

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009624.D
 Acq On : 16 May 2019 22:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:40 PM

Quant Time: May 17 07:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	158918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	256925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106890	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.50	113	80533	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	316809	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.13	95	119658	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60667	41.426	ug/l	99
3) Chloromethane	1.32	50	95033	47.532	ug/l	99
4) Vinyl Chloride	1.41	62	93208	47.808	ug/l	100
5) Bromomethane	1.64	94	57531	49.164	ug/l	100
6) Chloroethane	1.71	64	60849	48.612	ug/l	100
7) Trichlorofluoromethane	1.92	101	116616	49.208	ug/l	99
8) Diethyl Ether	2.19	74	56118	49.991	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70748	47.539	ug/l	100
10) Methyl Iodide	2.51	142	90059	51.892	ug/l	99
11) Tert butyl alcohol	3.06	59	135996	270.818	ug/l	99
12) 1,1-Dichloroethene	2.37	96	72662	48.730	ug/l	98
13) Acrolein	2.29	56	98869	217.400	ug/l	99
14) Allyl chloride	2.72	41	176670	48.618	ug/l	99
15) Acrylonitrile	3.15	53	326696	266.074	ug/l	100
16) Acetone	2.45	43	284787	244.475	ug/l	99
17) Carbon Disulfide	2.56	76	189219	45.199	ug/l	99
18) Methyl Acetate	2.78	43	148748	53.693	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	298181	51.496	ug/l	100
20) Methylene Chloride	2.85	84	91947	48.749	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	79032	48.872	ug/l	98
22) Diisopropyl ether	3.86	45	360274	51.554	ug/l	93
23) Vinyl Acetate	3.82	43	1595255	266.579	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171600	49.776	ug/l	99
25) 2-Butanone	4.68	43	488400	269.803	ug/l	99
26) 2,2-Dichloropropane	4.58	77	105066	40.945	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	95503	49.478	ug/l	98
28) Bromochloromethane	5.02	49	61307	43.840	ug/l	99
29) Tetrahydrofuran	5.13	42	319755	274.500	ug/l	99
30) Chloroform	5.21	83	160035	51.327	ug/l	99
31) Cyclohexane	5.57	56	154090	48.043	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	129921	50.055	ug/l	99
36) 1,1-Dichloropropene	5.80	75	116048	48.604	ug/l	100
37) Ethyl Acetate	4.84	43	181322	54.505	ug/l	99
38) Carbon Tetrachloride	5.78	117	107641	49.620	ug/l	99

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MMDadoda
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Quant Time: May 17 07:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138201	47.131	ug/l	98
40) Benzene	6.14	78	367576	49.744	ug/l	98
41) Methacrylonitrile	5.04	41	102774	51.899	ug/l	99
42) 1,2-Dichloroethane	6.20	62	134257	50.650	ug/l	99
43) Isopropyl Acetate	6.45	43	284970	53.554	ug/l	100
44) Trichloroethene	7.21	130	87714	49.101	ug/l	99
45) 1,2-Dichloropropane	7.51	63	106516	50.907	ug/l	99
46) Dibromomethane	7.66	93	61239	50.401	ug/l	99
47) Bromodichloromethane	7.90	83	124738	51.466	ug/l	97
48) Methyl methacrylate	7.77	41	145556	55.135	ug/l	98
49) 1,4-Dioxane	7.74	88	54745	1022.535	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	981684	282.251	ug/l	99
52) Toluene	8.79	92	228413	50.851	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140127	51.209	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	153069	50.538	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	95293	52.001	ug/l	95
56) Ethyl methacrylate	9.18	69	176407	53.928	ug/l	98
57) 1,3-Dichloropropane	9.37	76	165738	51.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	394894	227.561	ug/l	100
59) 2-Hexanone	9.49	43	753898	275.989	ug/l	98
60) Dibromochloromethane	9.58	129	94034	52.539	ug/l	99
61) 1,2-Dibromoethane	9.67	107	96261	52.039	ug/l	99
64) Tetrachloroethene	9.34	164	80401	49.291	ug/l	98
65) Chlorobenzene	10.14	112	238179	50.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88679	51.421	ug/l	99
67) Ethyl Benzene	10.25	91	439493	50.202	ug/l	98
68) m/p-Xylenes	10.36	106	322489	100.804	ug/l	98
69) o-Xylene	10.69	106	156822	49.683	ug/l	97
70) Styrene	10.71	104	281556	51.321	ug/l	99
71) Bromoform	10.85	173	74209	52.950	ug/l #	100
73) Isopropylbenzene	11.02	105	423673	48.509	ug/l	99
74) N-amyl acetate	10.90	43	262240	51.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	161903	49.726	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	139333m	50.011	ug/l	
77) Bromobenzene	11.26	156	106443	49.102	ug/l	100
78) n-propylbenzene	11.36	91	492962	49.422	ug/l	100
79) 2-Chlorotoluene	11.42	91	296725	48.218	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358123	48.697	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52429	48.150	ug/l	98
82) 4-Chlorotoluene	11.51	91	340402	48.964	ug/l	99
83) tert-Butylbenzene	11.77	119	347722	48.606	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	366621	49.667	ug/l	100
85) sec-Butylbenzene	11.94	105	413593	48.764	ug/l	100
86) p-Isopropyltoluene	12.06	119	379834	49.815	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188488	48.774	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187995	48.252	ug/l	99
89) n-Butylbenzene	12.39	91	342713	49.729	ug/l	100
90) Hexachloroethane	12.60	117	63989	49.259	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	189383	48.114	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37202	50.934	ug/l	98

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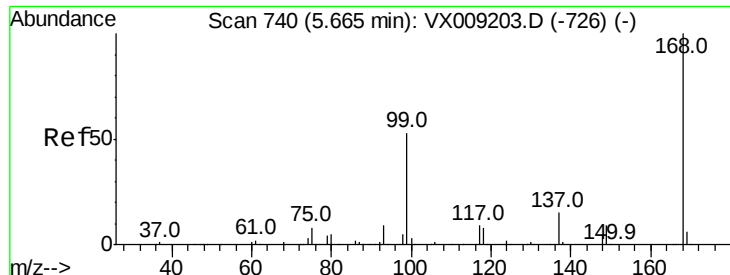
Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:40 PM

Quant Time: May 17 07:34:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	132956	49.395	ug/l	99
94) Hexachlorobutadiene	13.78	225	68261	49.661	ug/l	99
95) Naphthalene	13.83	128	443071	50.595	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	136031	49.856	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 158918

Ion Ratio Lower Upper

168 100

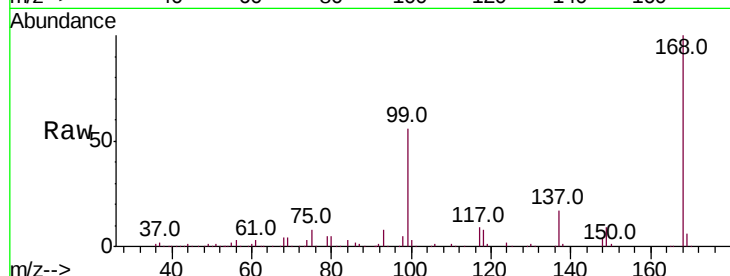
99 55.4 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

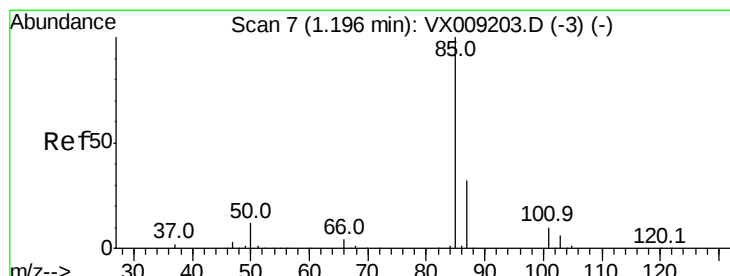
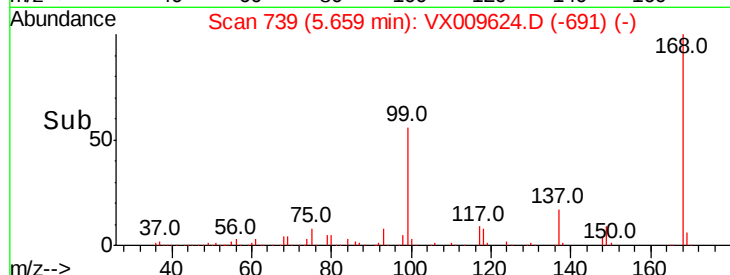
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.426 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009624.D

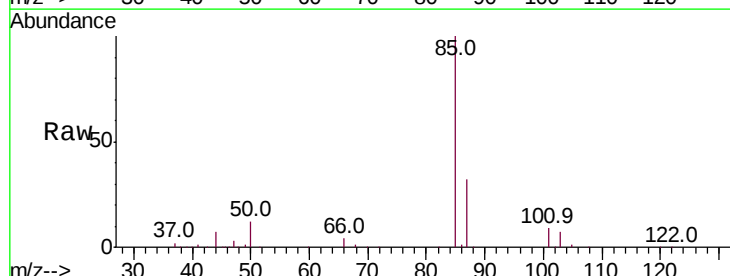
Acq: 16 May 2019 22:12

Tgt Ion: 85 Resp: 60667

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

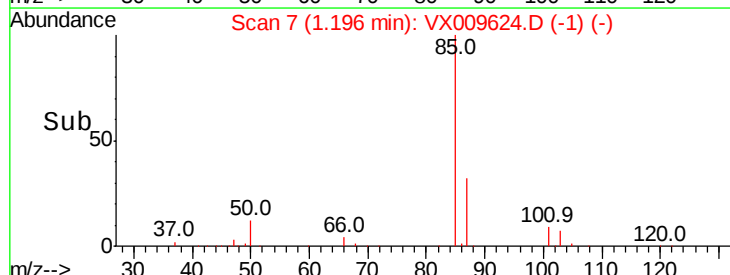
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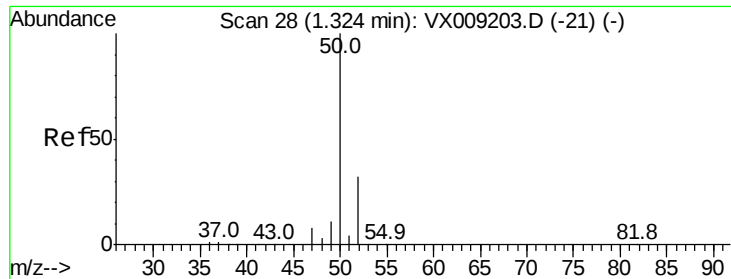
20000

10000

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Time-->





#3

Chloromethane

Concen: 47.532 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95033

Ion Ratio Lower Upper

50 100

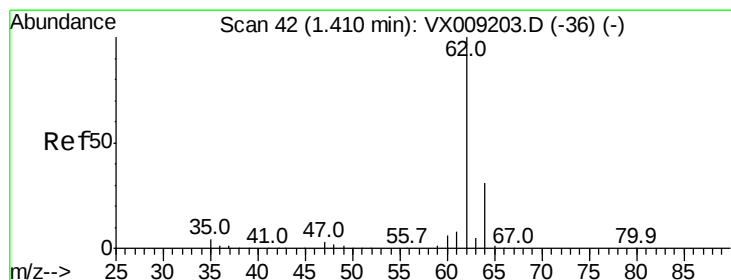
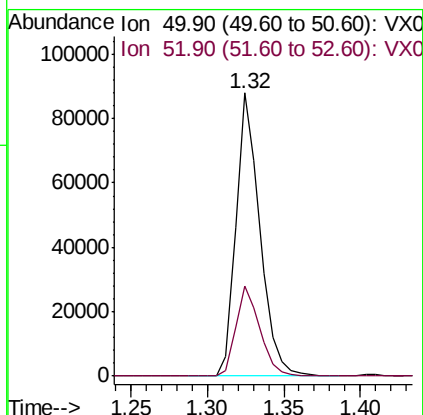
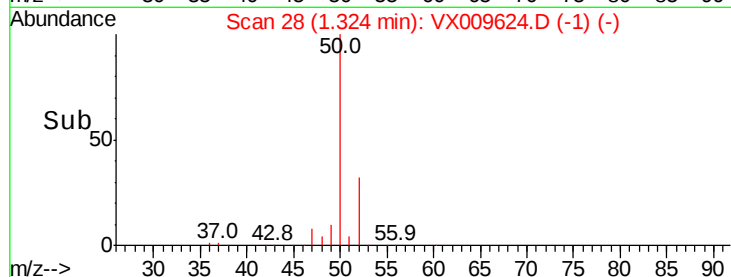
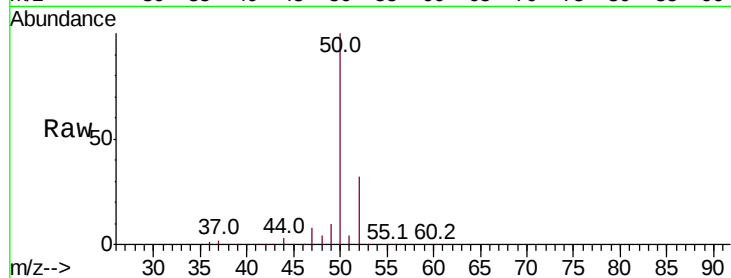
52 31.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.808 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009624.D

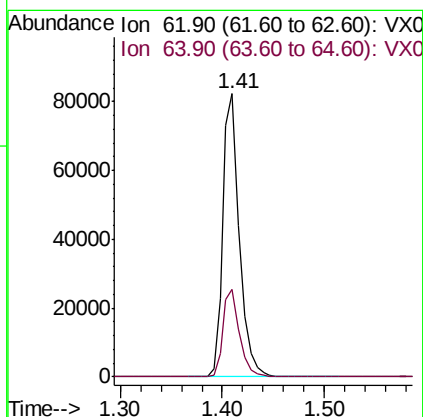
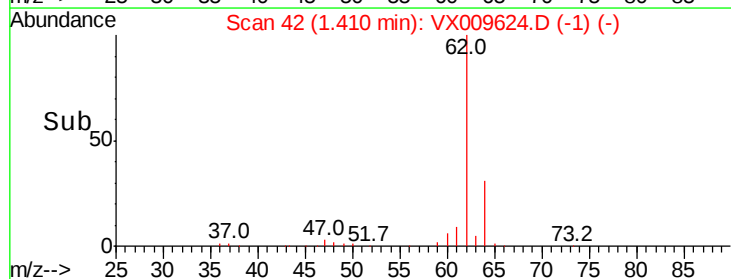
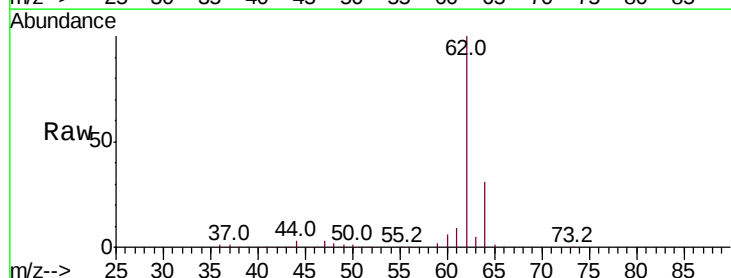
Acq: 16 May 2019 22:12

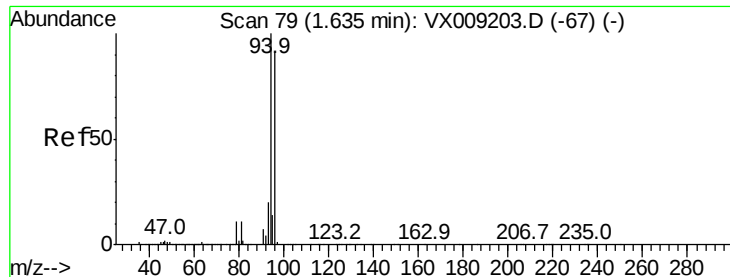
Tgt Ion: 62 Resp: 93208

Ion Ratio Lower Upper

62 100

64 30.8 24.6 36.8





#5

Bromomethane

Concen: 49.164 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57531

Ion Ratio Lower Upper

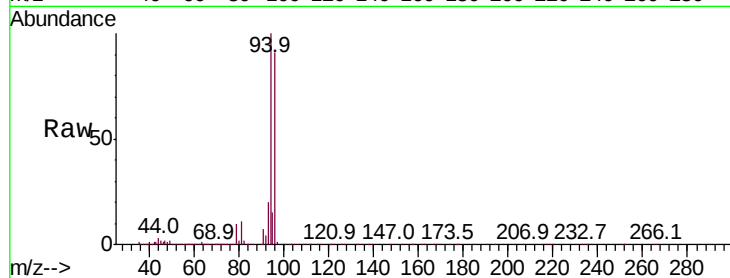
94 100

96 91.5 73.0 109.6

Manual Integrations
APPROVED

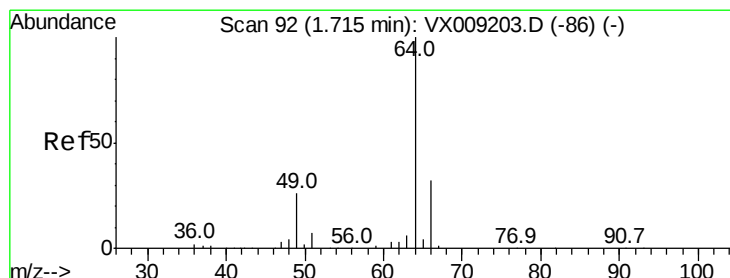
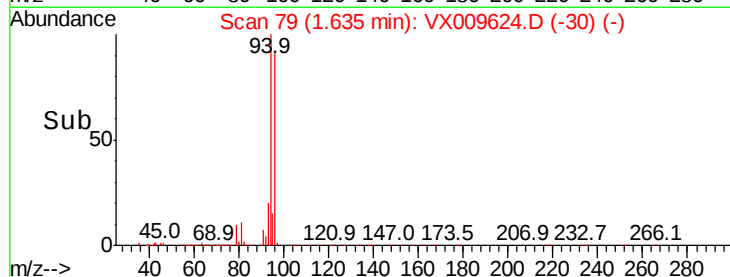
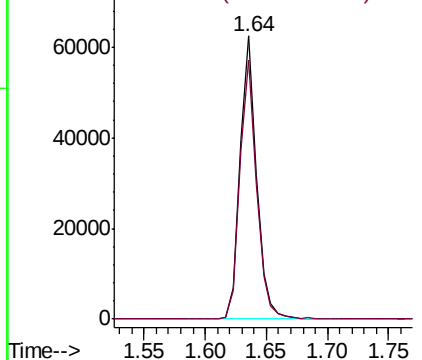
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.612 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009624.D

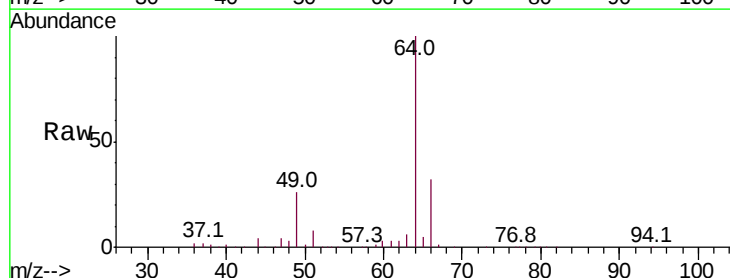
Acq: 16 May 2019 22:12

Tgt Ion: 64 Resp: 60849

Ion Ratio Lower Upper

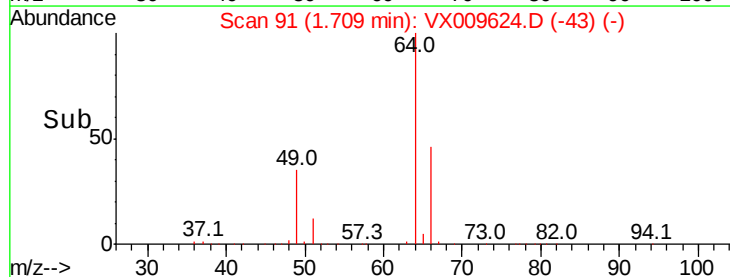
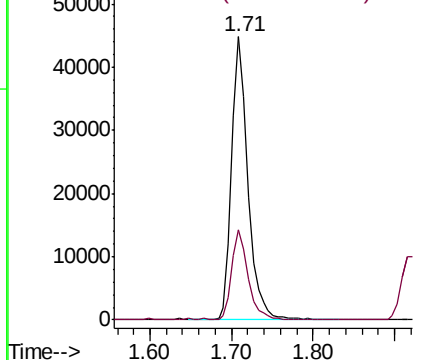
64 100

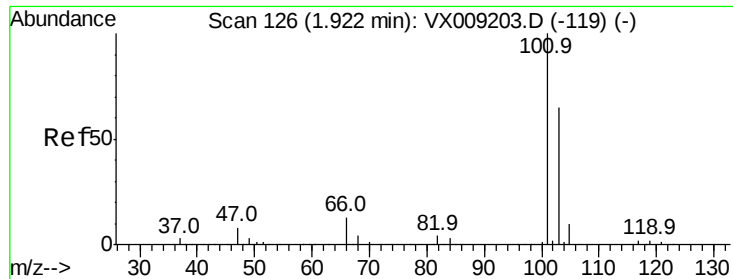
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

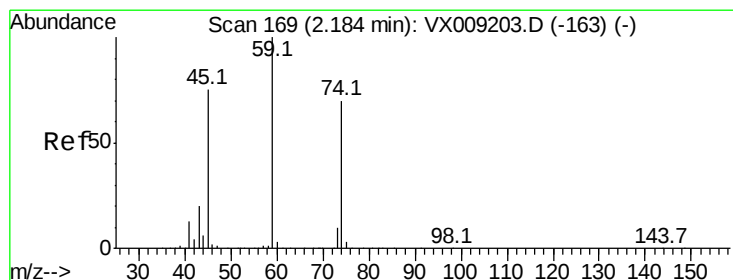
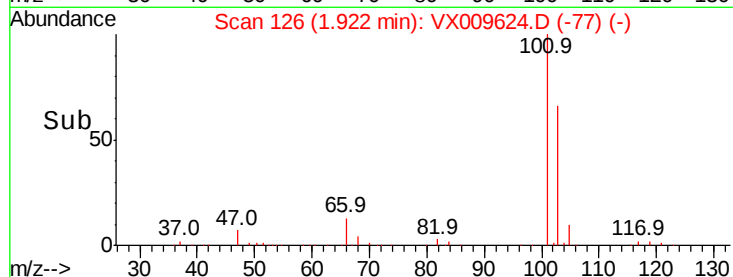
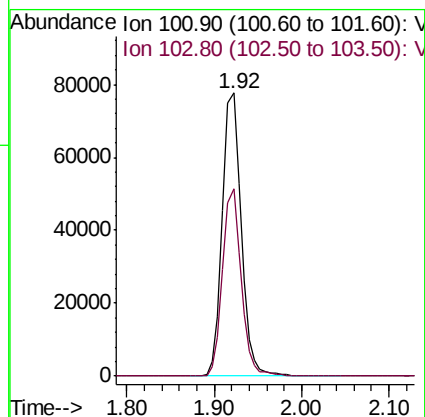
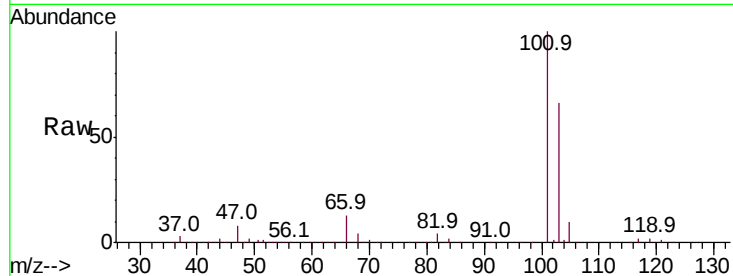
Trichlorofluoromethane
Concen: 49.208 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	116616		
103	66.3	52.4	78.6		

Manual Integrations
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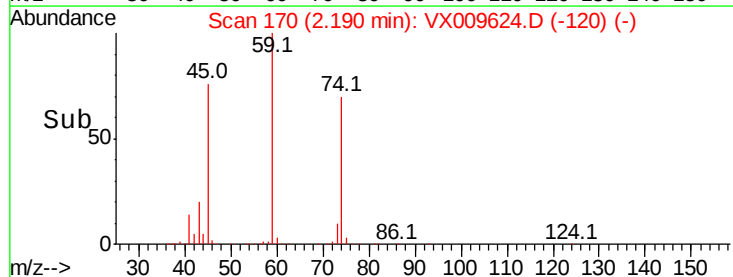
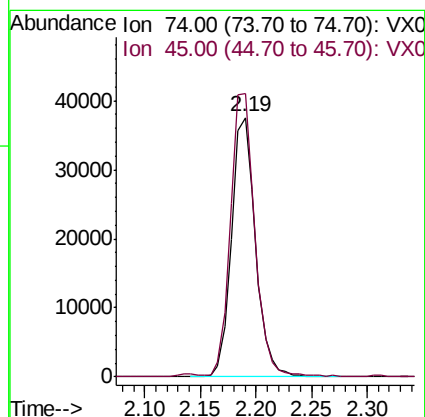
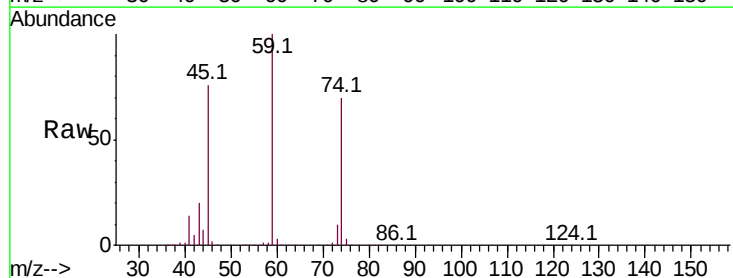
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5/17/2019 1:09:40 PM

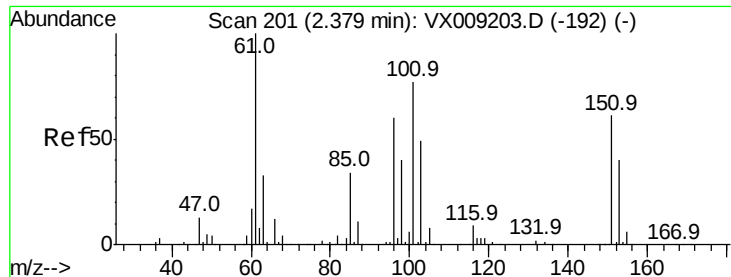


#8

Diethyl Ether
Concen: 49.991 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	56118		
45	110.0	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.539 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 70748

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

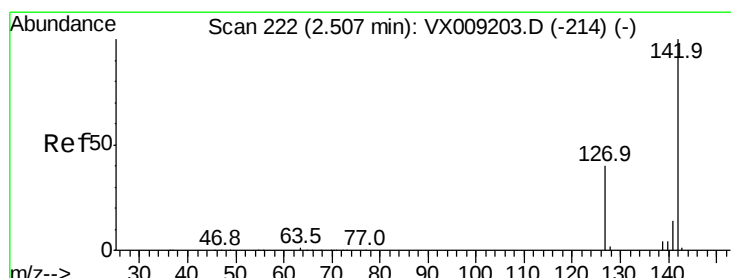
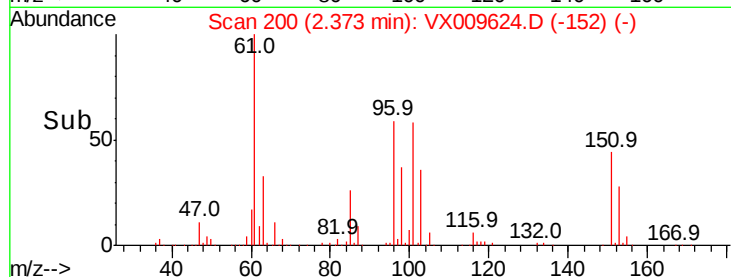
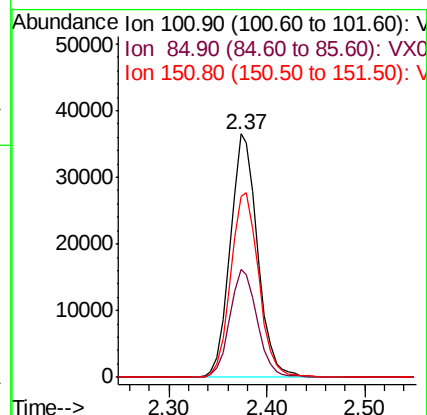
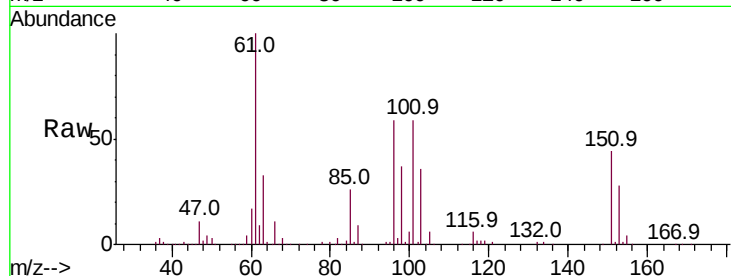
151 77.9 62.2 93.2

Manual Integrations

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#10

Methyl Iodide

Concen: 51.892 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

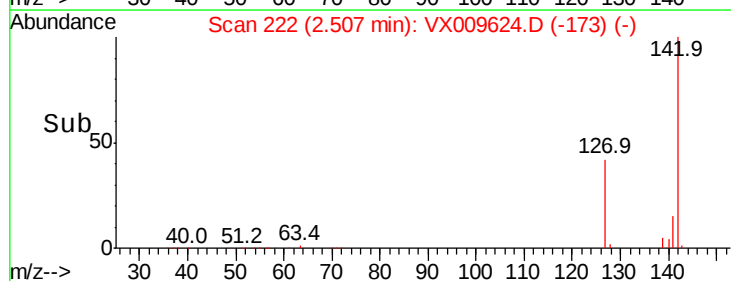
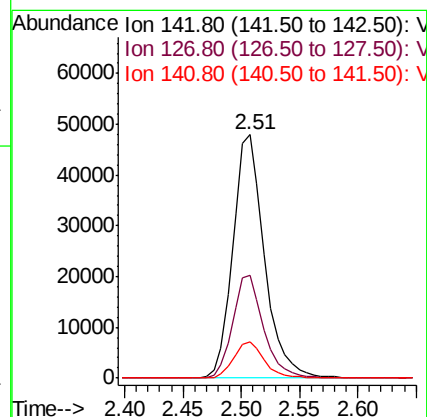
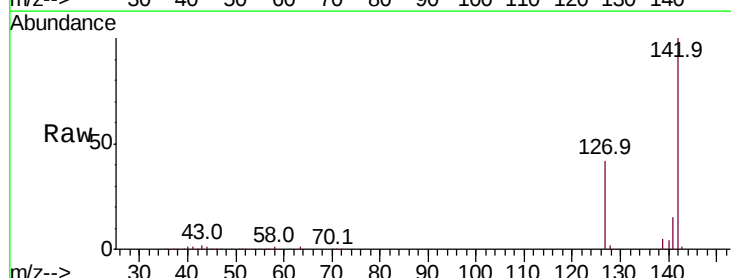
Tgt Ion:142 Resp: 90059

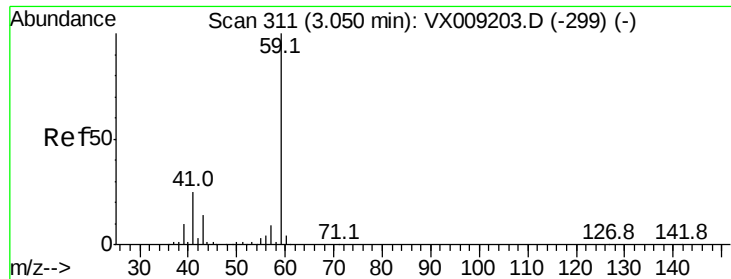
Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

141 14.6 11.5 17.3





#11

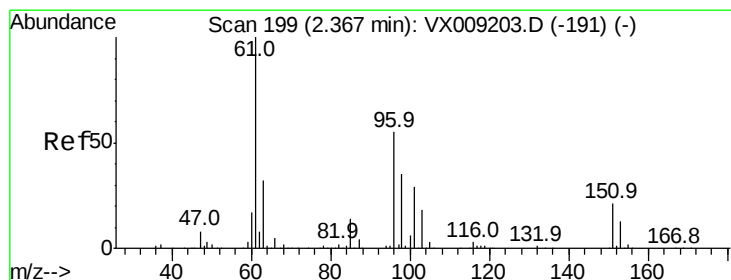
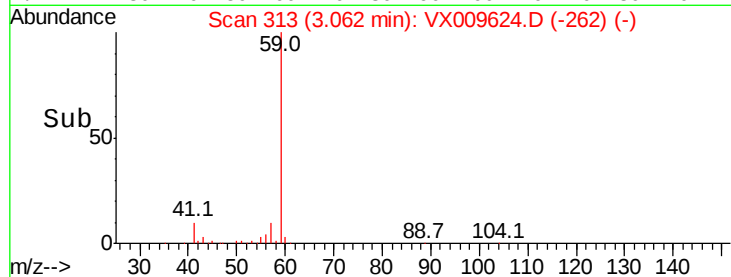
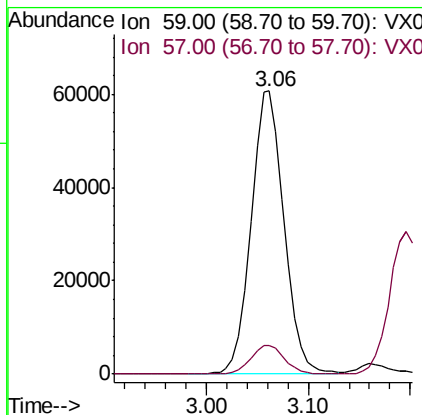
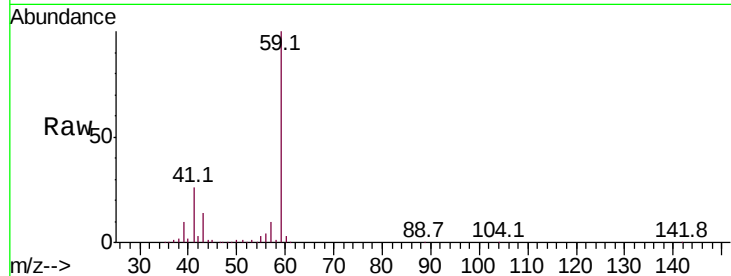
Tert butyl alcohol
Concen: 270.818 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

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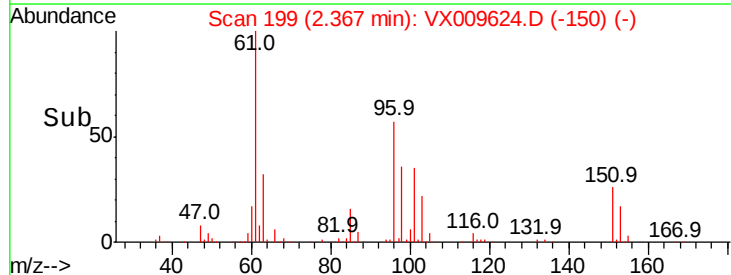
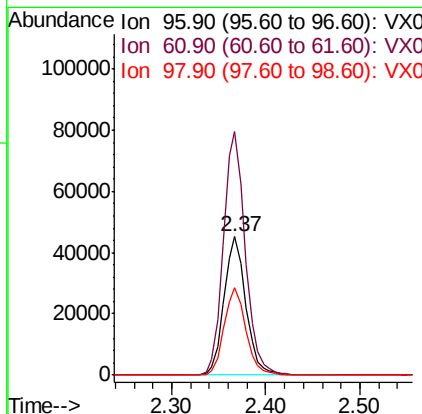
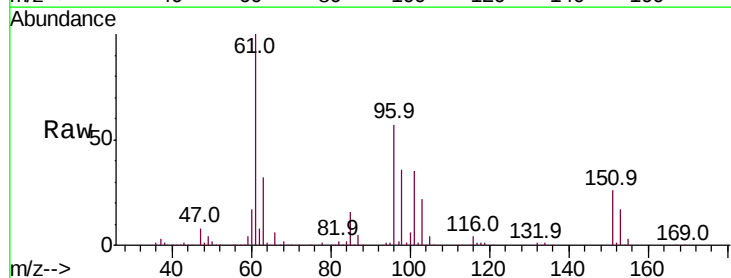
MMDadoda
5/17/2019 1:09:40 PM

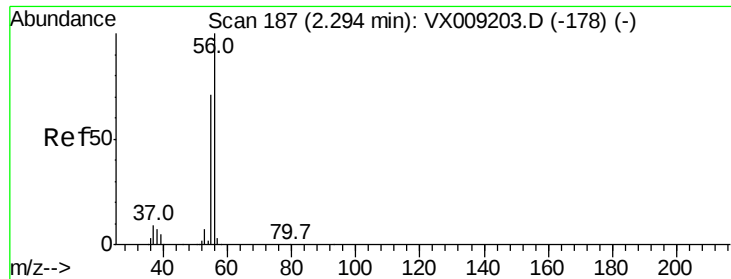


#12

1,1-Dichloroethene
Concen: 48.730 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	144.3	216.5
98	63.1	50.3	75.5





#13

Acrolein

Concen: 217.400 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98869

Ion Ratio Lower Upper

56 100

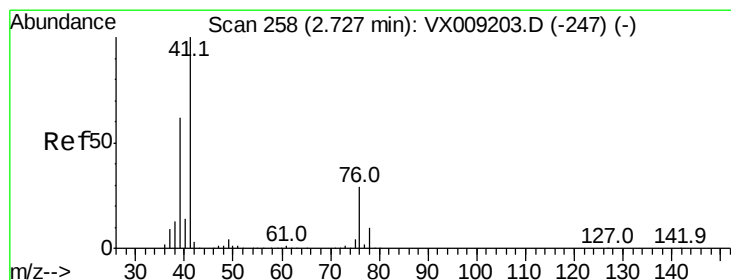
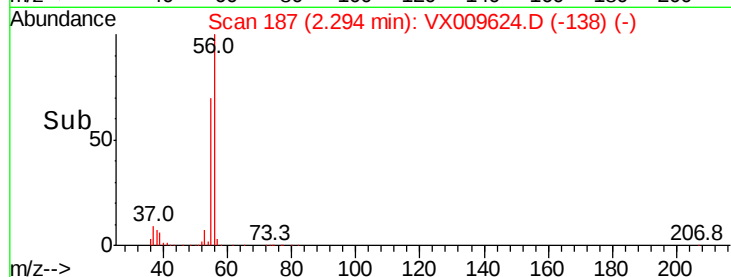
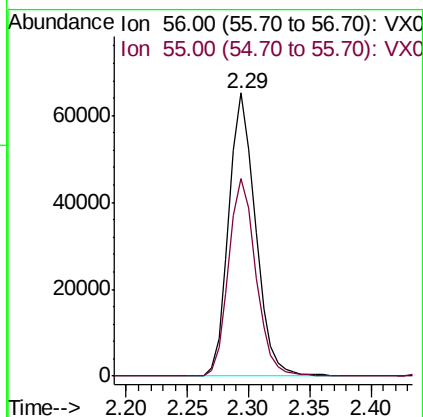
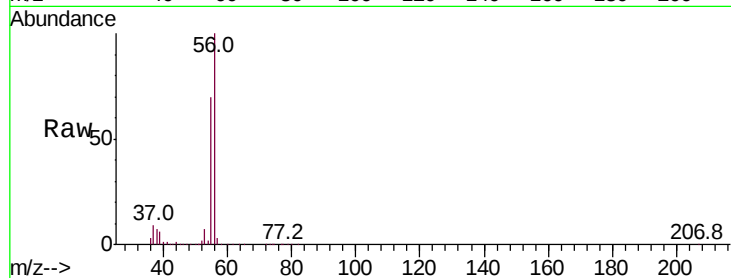
55 71.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.618 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

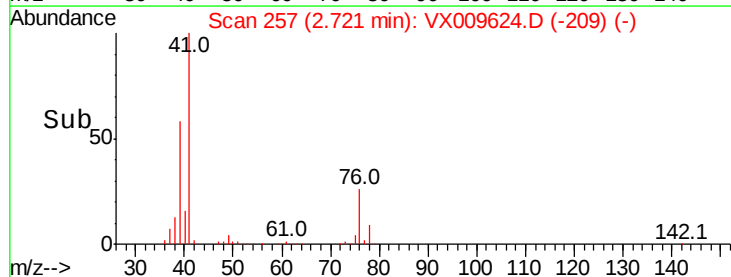
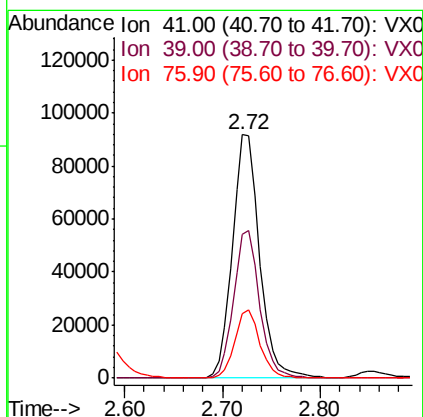
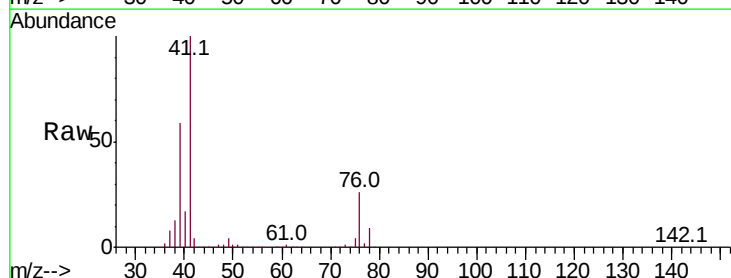
Tgt Ion: 41 Resp: 176670

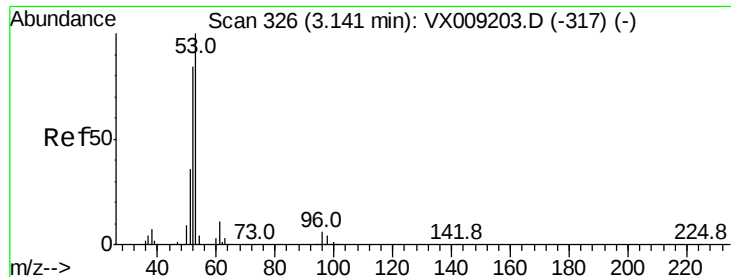
Ion Ratio Lower Upper

41 100

39 57.6 46.7 70.1

76 26.3 21.8 32.8





#15

Acrylonitrile

Concen: 266.074 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

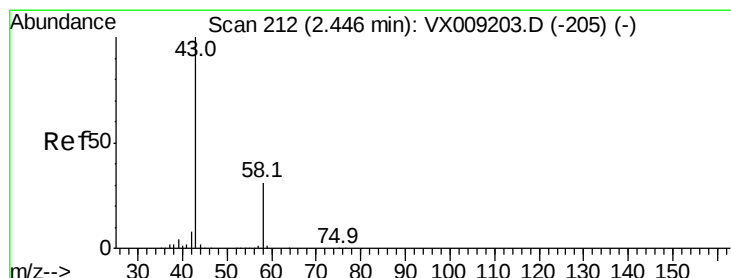
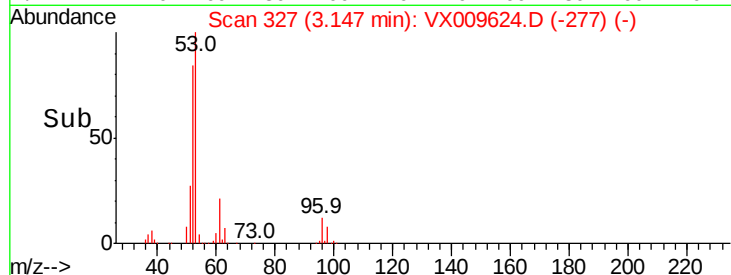
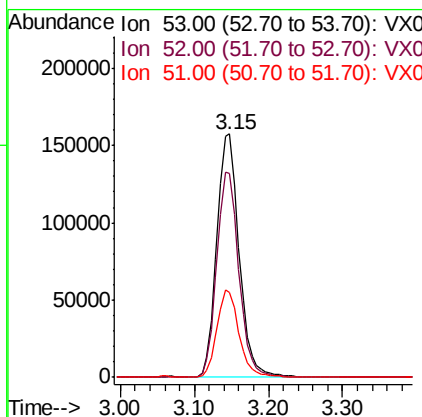
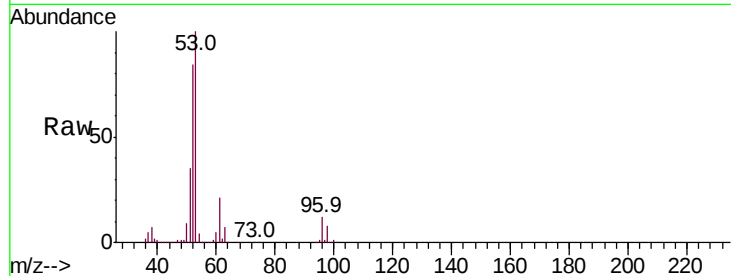
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	32696
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 244.475 ug/l

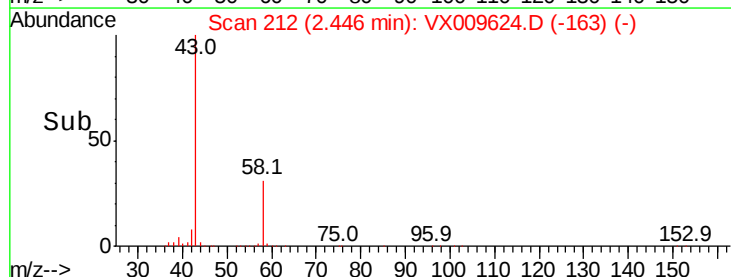
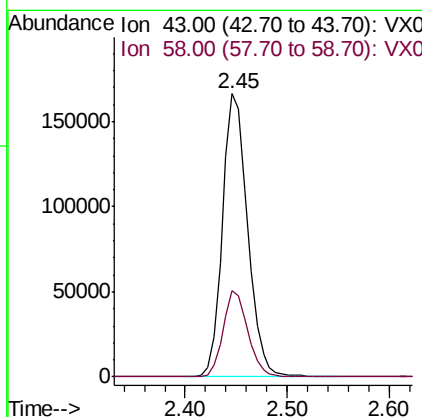
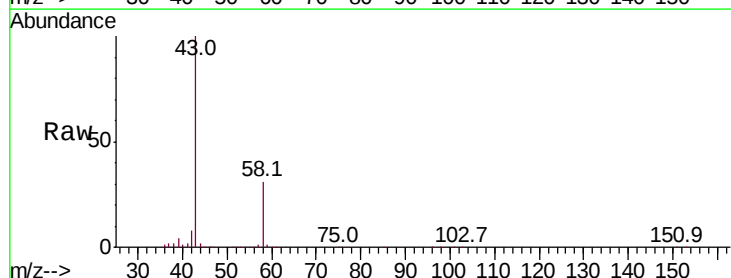
RT: 2.45 min Scan# 212

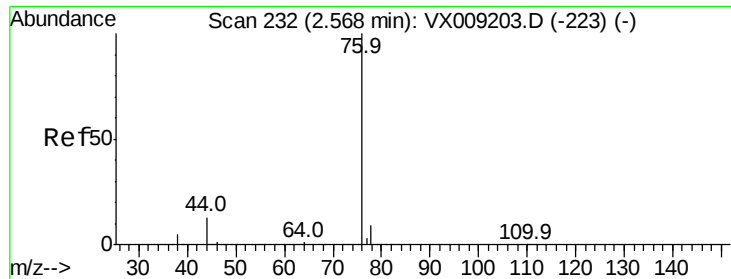
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion:	43	Resp:	284787
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.9	37.3





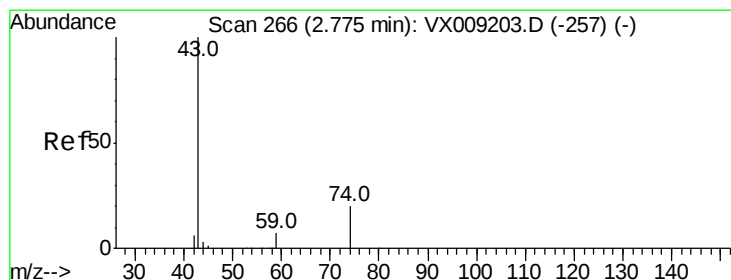
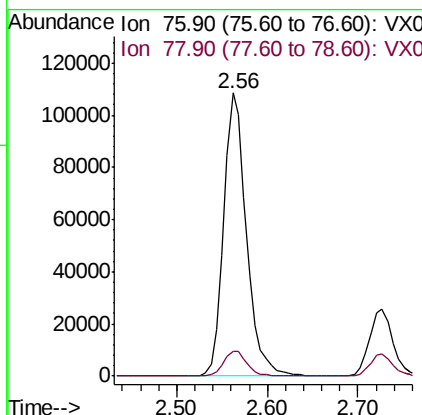
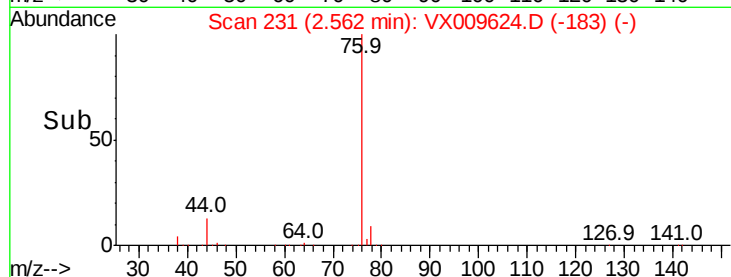
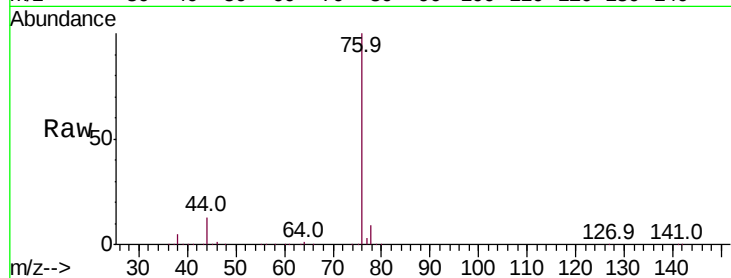
#17
Carbon Disulfide
Concen: 45.199 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 189219
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

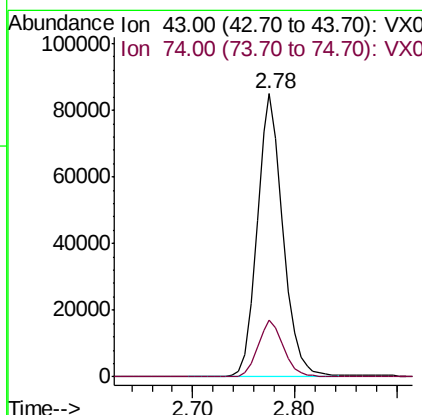
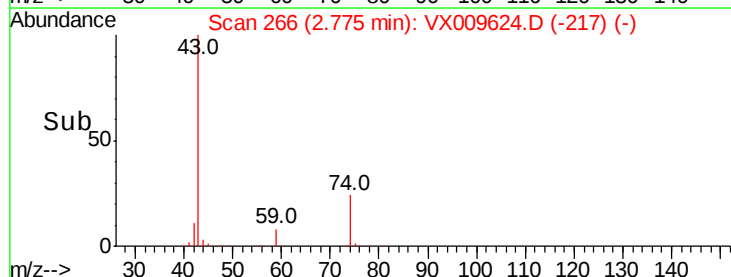
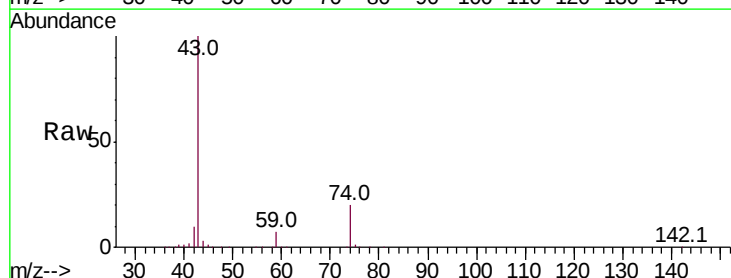
Manual Integrations
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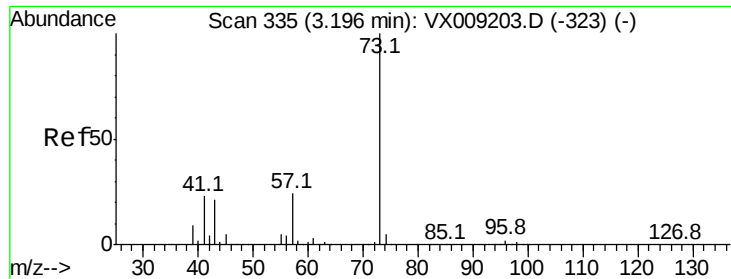
MMDadoda
5/17/2019 1:09:40 PM



#18
Methyl Acetate
Concen: 53.693 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion: 43 Resp: 148748
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.4





#19

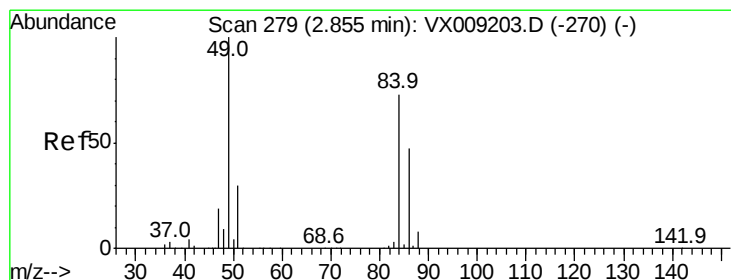
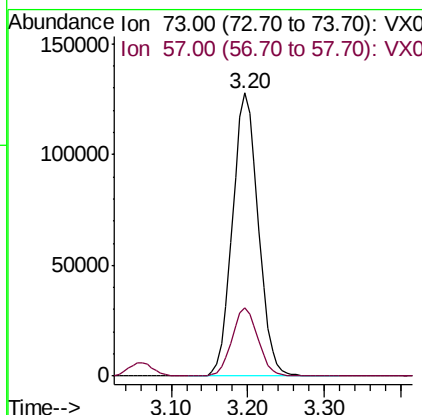
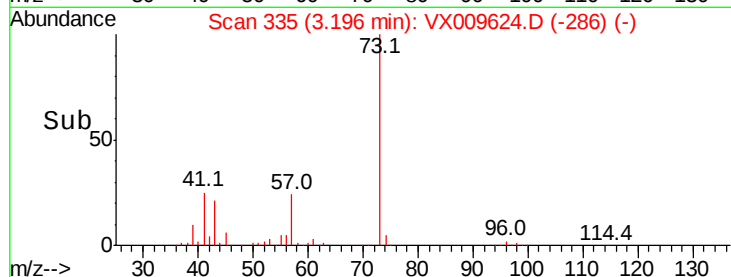
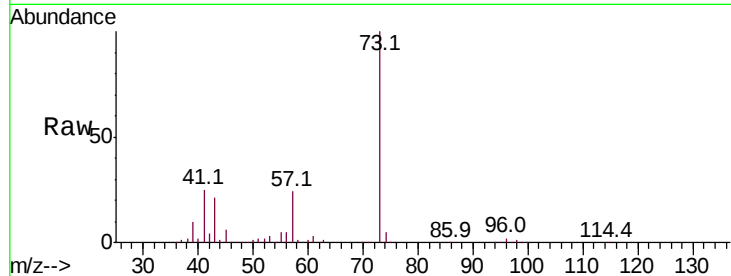
Methyl tert-butyl Ether
 Concen: 51.496 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

Manual Integrations
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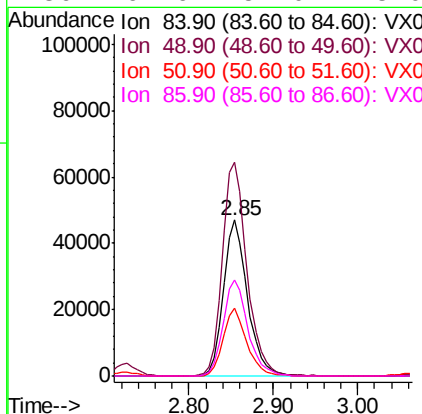
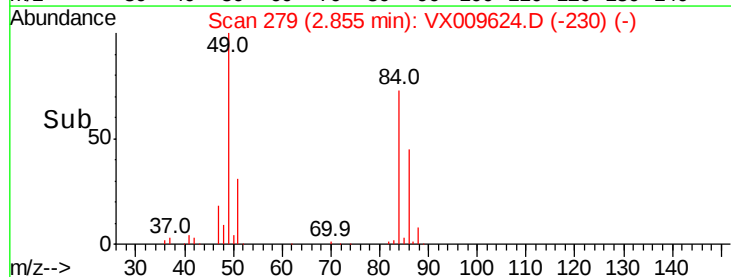
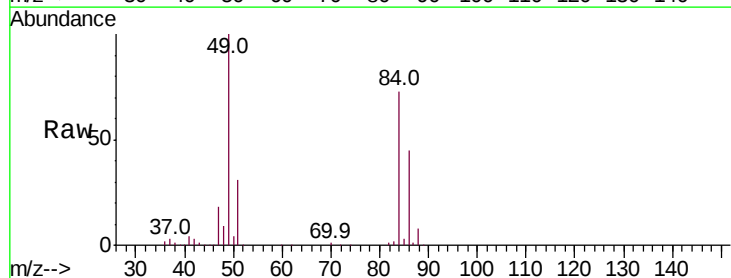
MMDadoda
 5/17/2019 1:09:40 PM

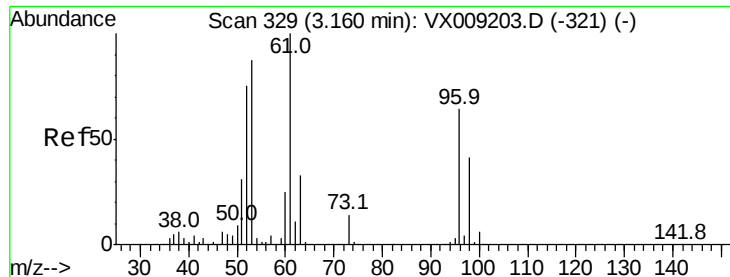


#20

Methylene Chloride
 Concen: 48.749 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	109.9	164.9
51	43.2	32.7	49.1
86	61.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.872 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 79032

Ion Ratio Lower Upper

96 100

61 153.3 124.5 186.7

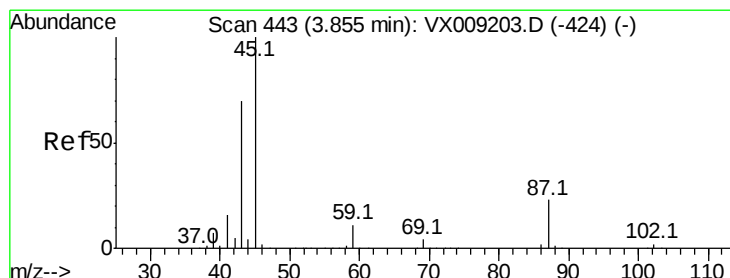
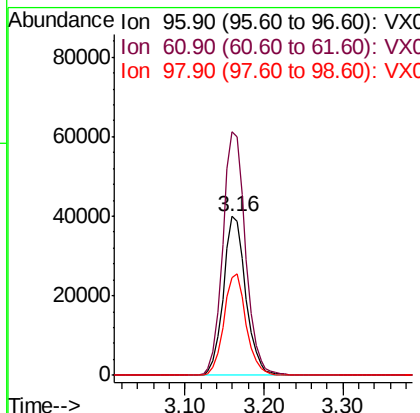
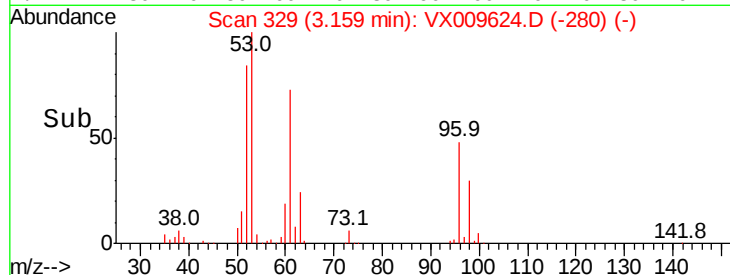
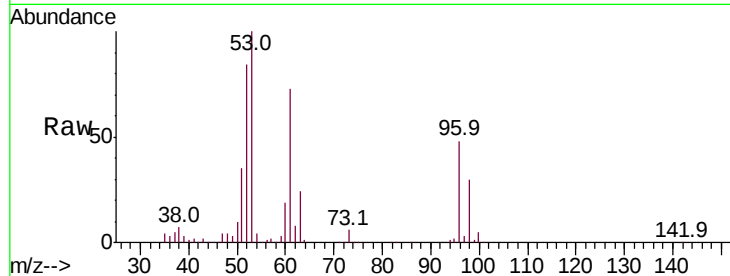
98 61.8 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.554 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion: 45 Resp: 360274

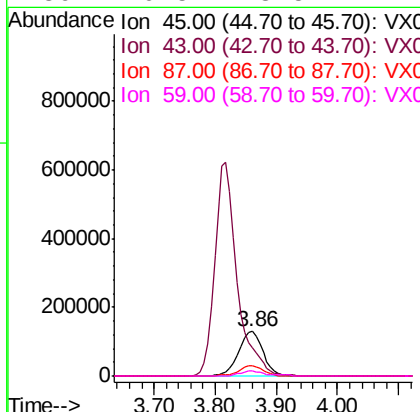
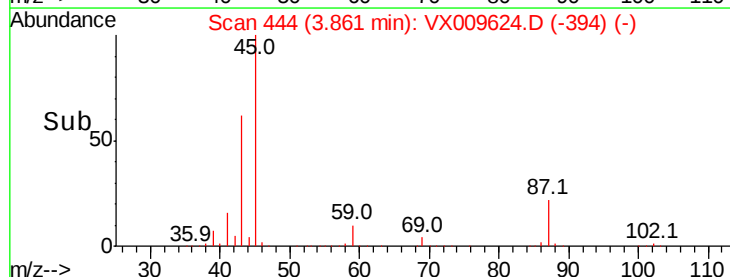
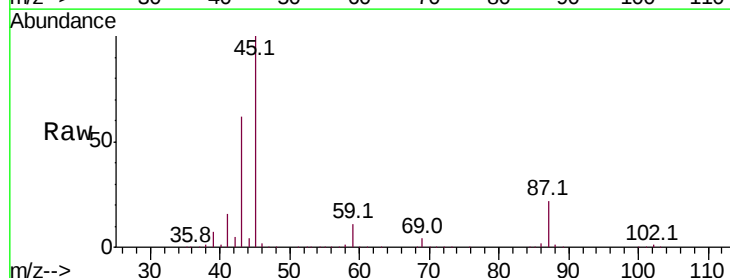
Ion Ratio Lower Upper

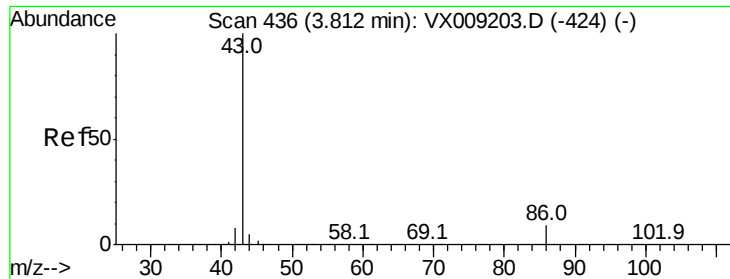
45 100

43 61.7 56.1 84.1

87 22.0 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 266.579 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1595255

Ion Ratio Lower Upper

43 100

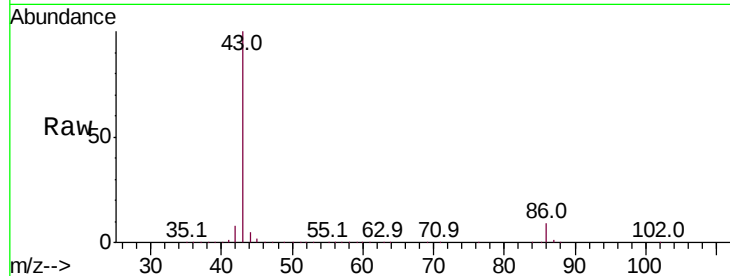
86 8.6 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

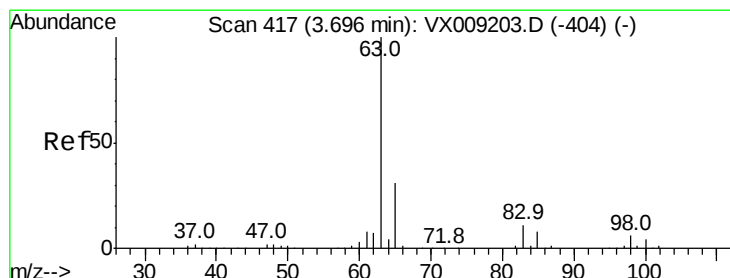
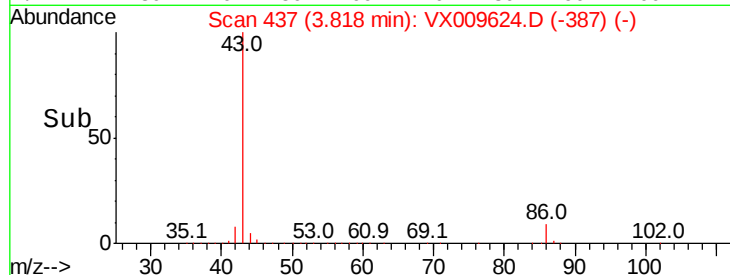
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 49.776 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

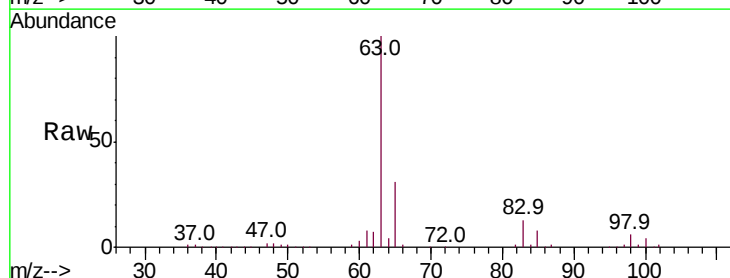
Tgt Ion: 63 Resp: 171600

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

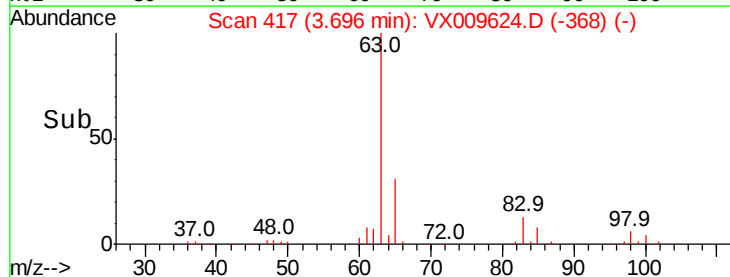
60000

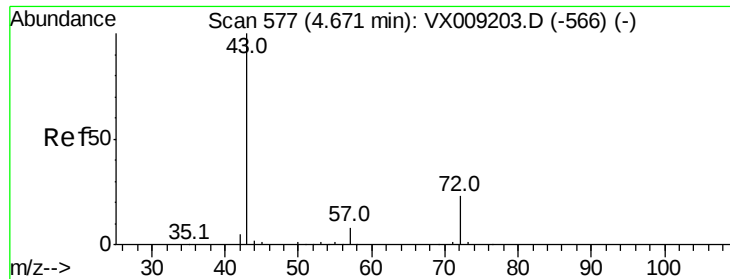
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 269.803 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 488400

Ion Ratio Lower Upper

43 100

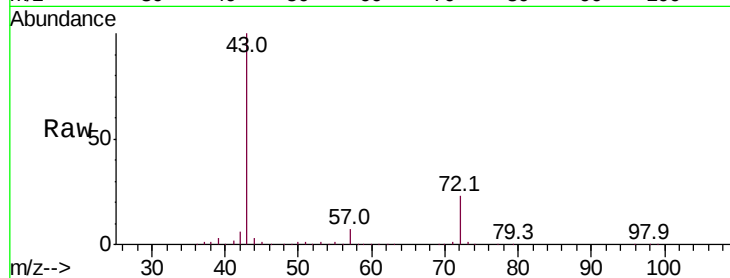
72 22.4 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

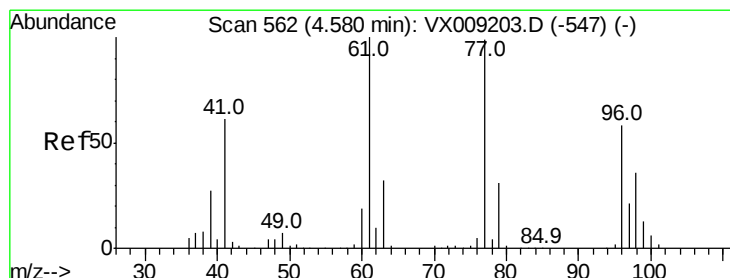
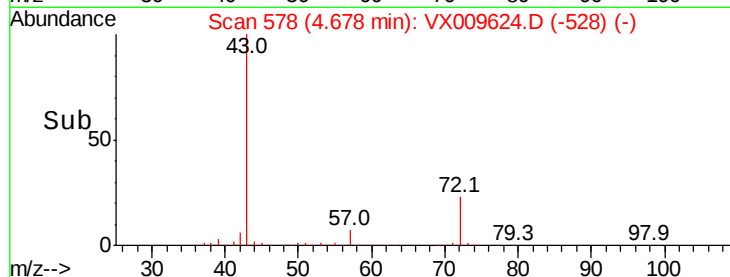
50000

0

4.68

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.945 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009624.D

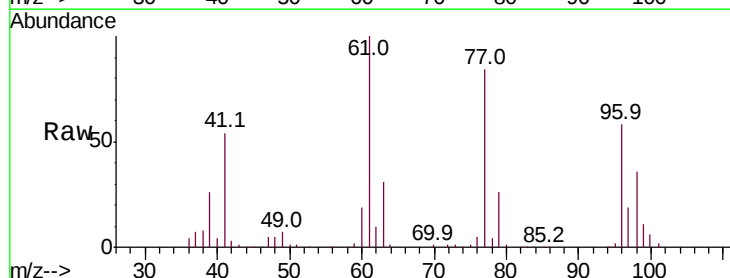
Acq: 16 May 2019 22:12

Tgt Ion: 77 Resp: 105066

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

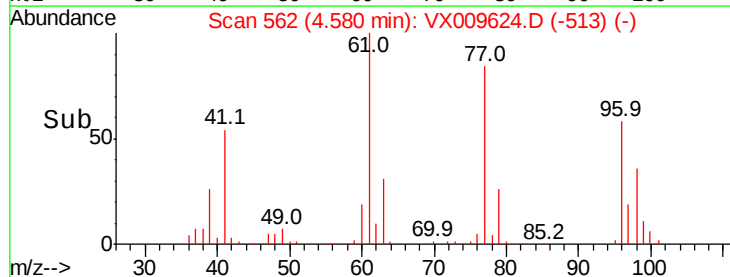
10000

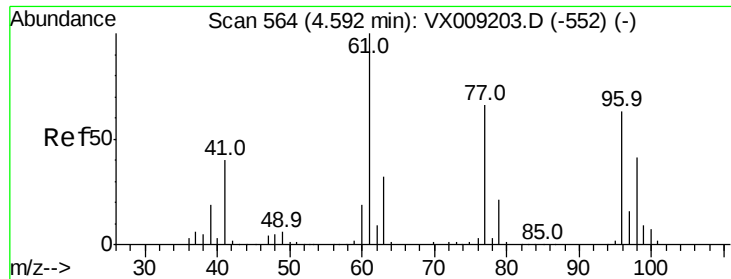
0

4.58

4.50 4.60 4.70

Time-->





#27

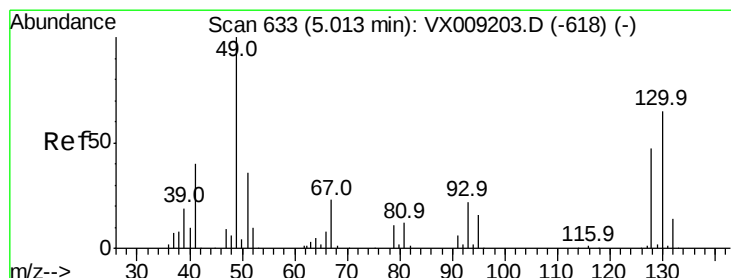
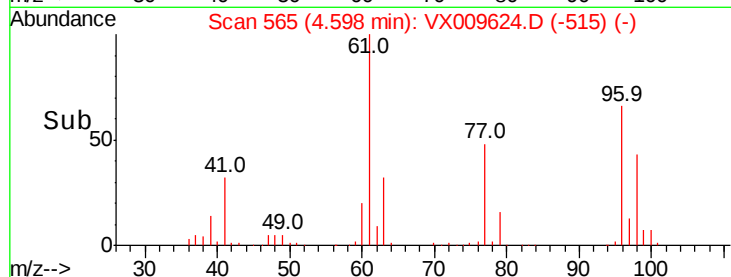
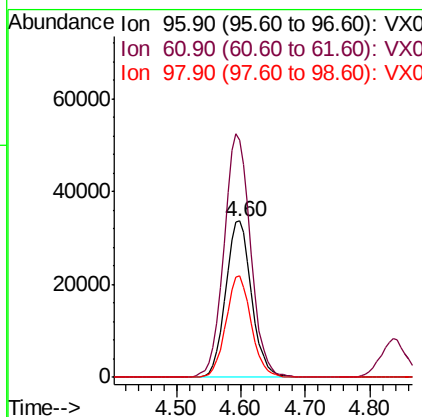
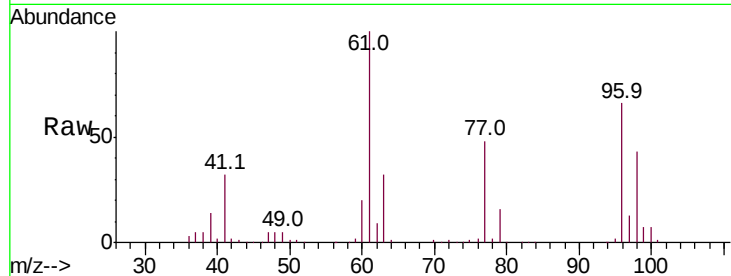
cis-1,2-Dichloroethene
Concen: 49.478 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.9	0.0	324.0	
98	63.7	0.0	130.4	

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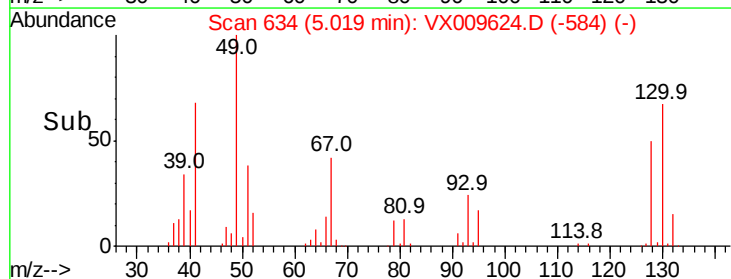
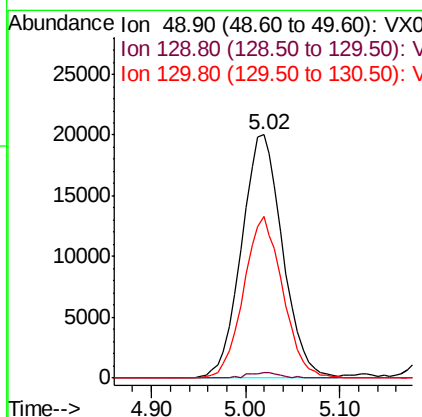
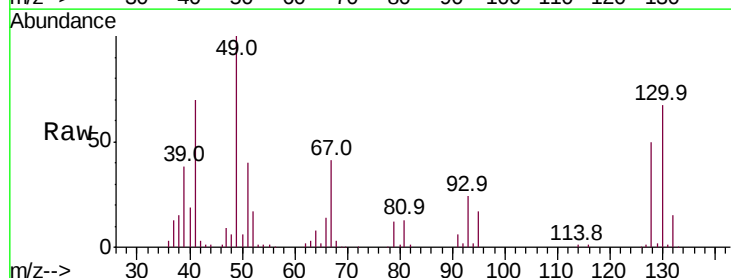
MMDadoda
5/17/2019 1:09:40 PM

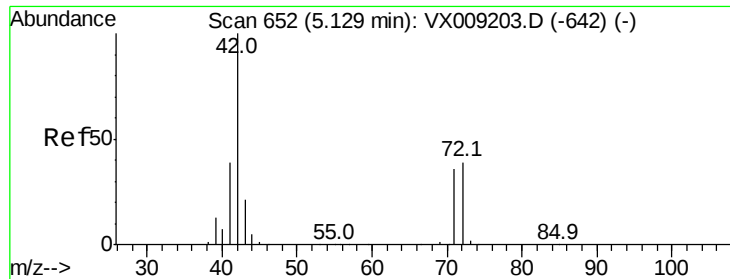


#28

Bromochloromethane
Concen: 43.840 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	63.2	51.2	76.8	





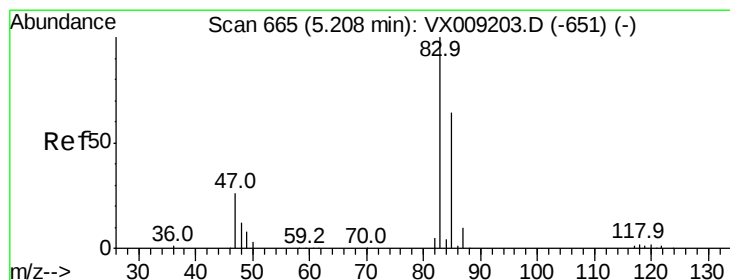
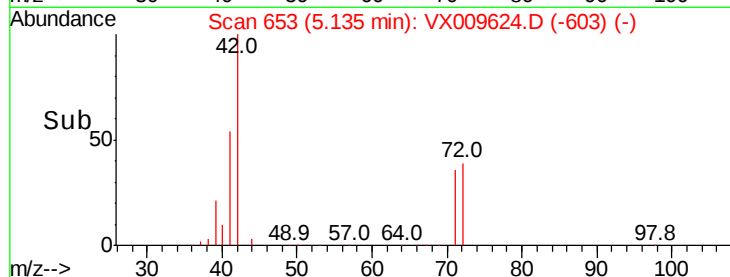
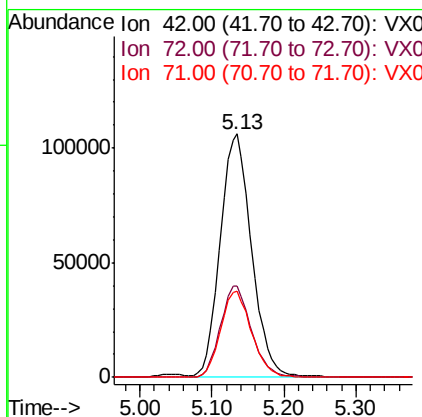
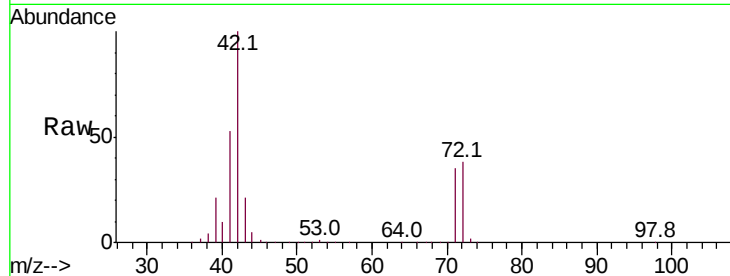
#29
Tetrahydrofuran
Concen: 274.500 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.5	30.4	45.6	
71	35.3	28.6	43.0	

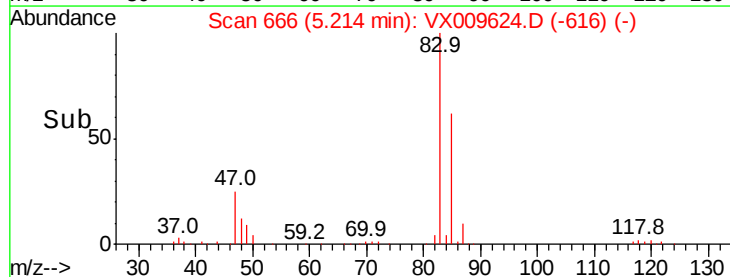
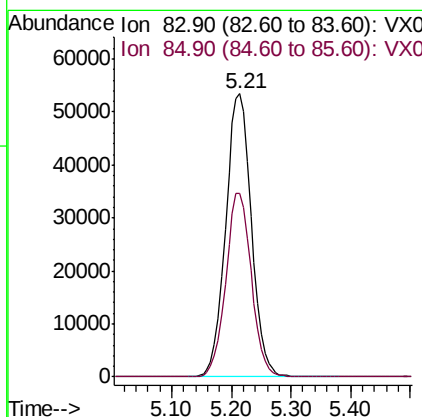
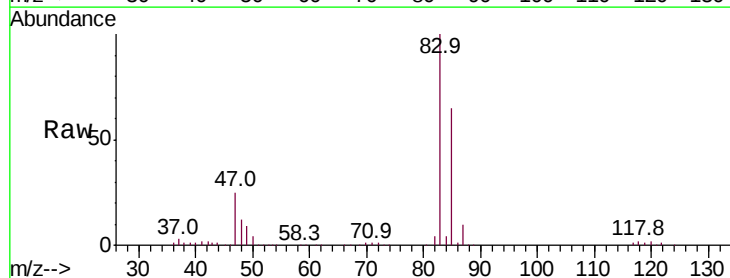
Manual Integrations
APPROVED

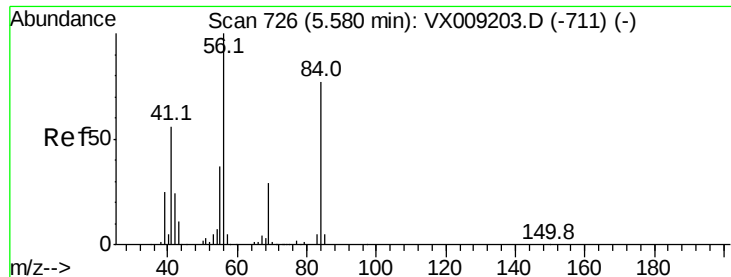
MMDadoda
5/17/2019 1:09:40 PM



#30
Chloroform
Concen: 51.327 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.9	51.5	77.3	





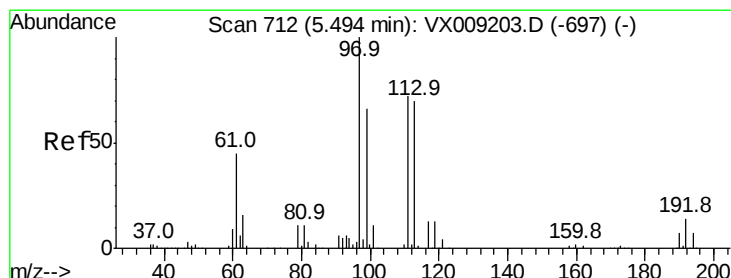
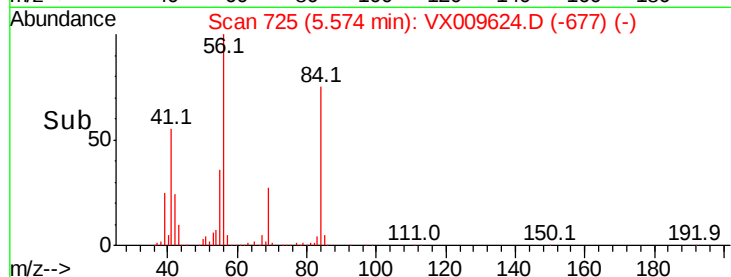
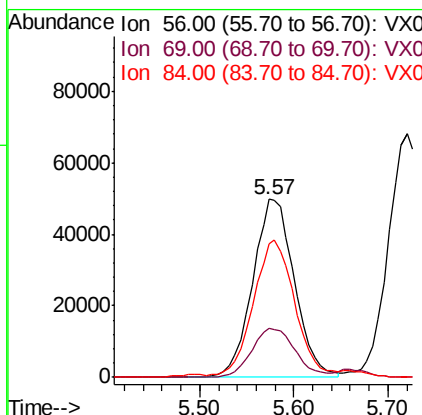
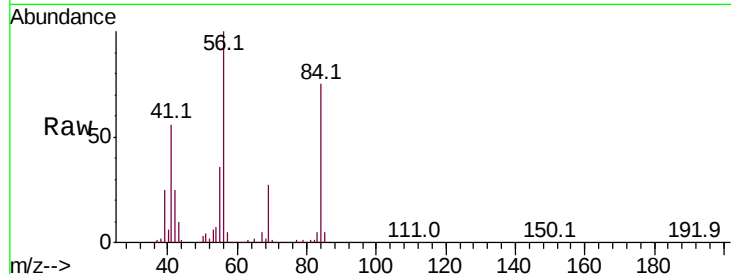
#31
Cyclohexane
Concen: 48.043 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	23.4	35.0
84	74.0	61.9	92.9

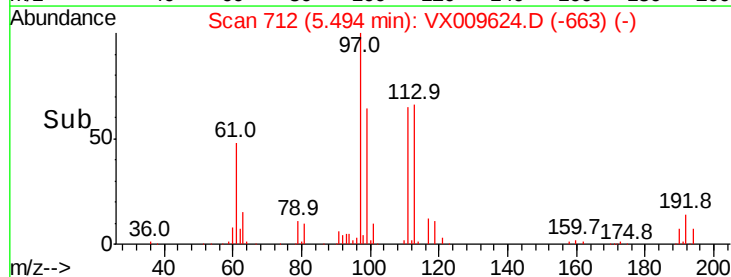
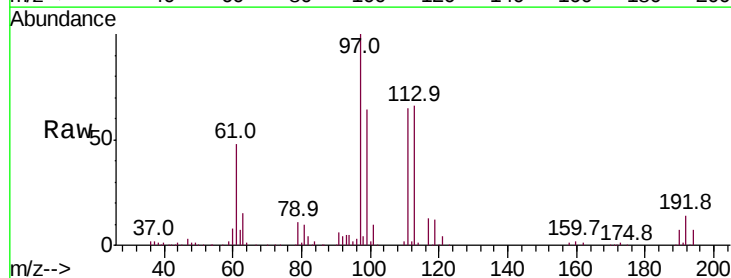
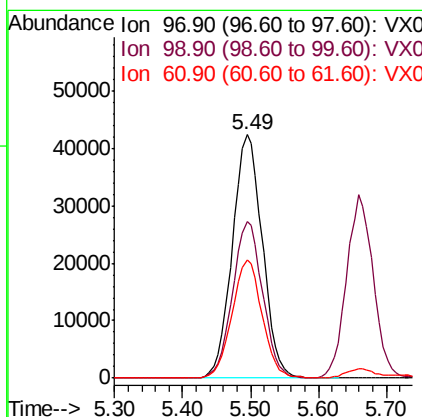
Manual Integrations
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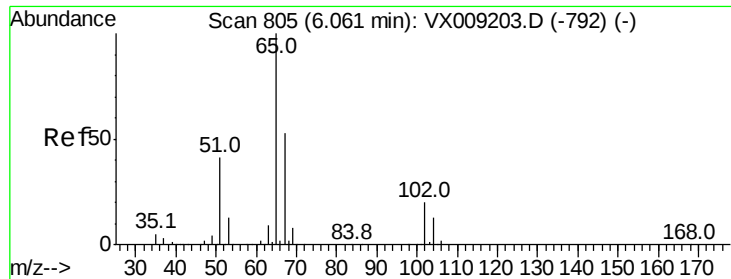
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#32
1,1,1-Trichloroethane
Concen: 50.055 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	48.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.271 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 106890

Ion Ratio Lower Upper

65 100

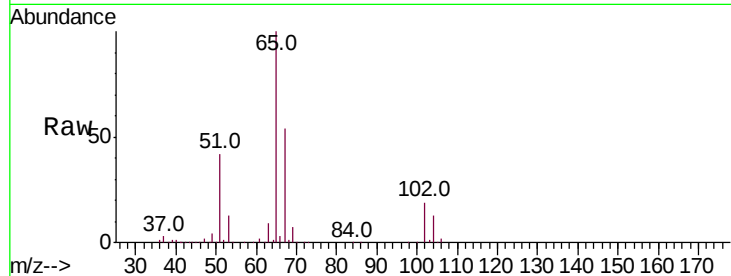
67 54.1 0.0 106.6

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Abundance Ion 64.90 (64.60 to 65.60): VX009624.D (-756) (-)

Ion 66.90 (66.60 to 67.60): VX009624.D (-756) (-)

6.06

40000

30000

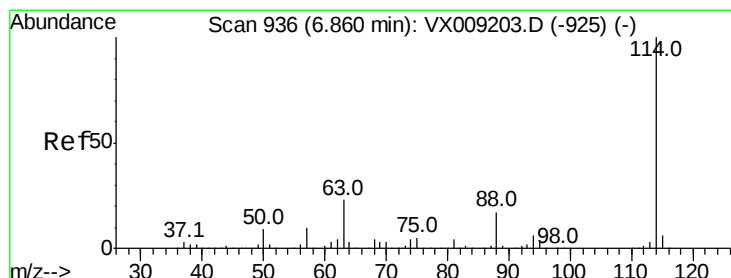
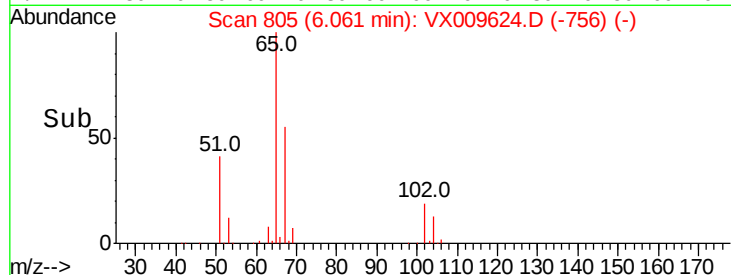
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

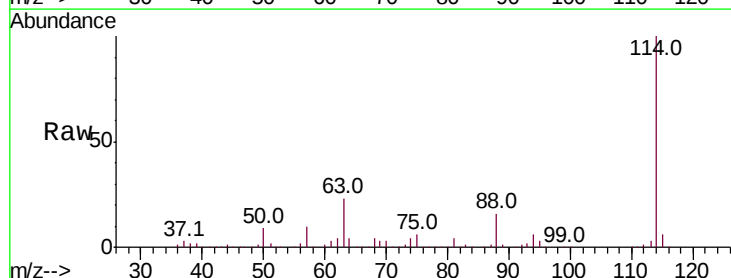
Tgt Ion:114 Resp: 256925

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VX009624.D (-887) (-)

Ion 63.00 (62.70 to 63.70): VX009624.D (-887) (-)

Ion 87.90 (87.60 to 88.60): VX009624.D (-887) (-)

6.86

150000

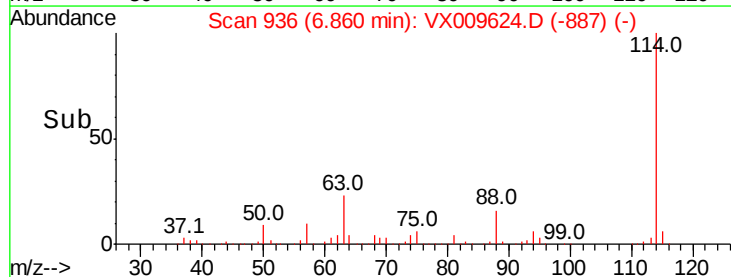
100000

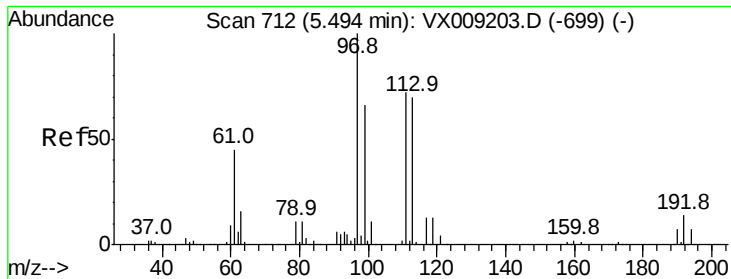
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.862 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

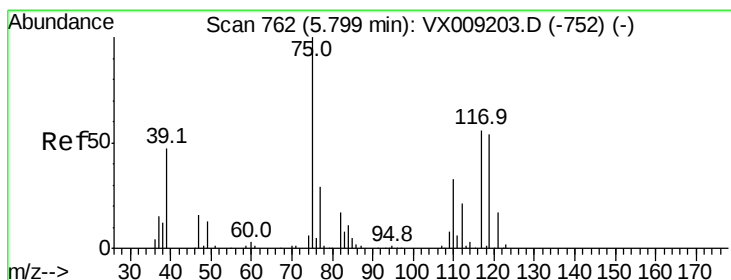
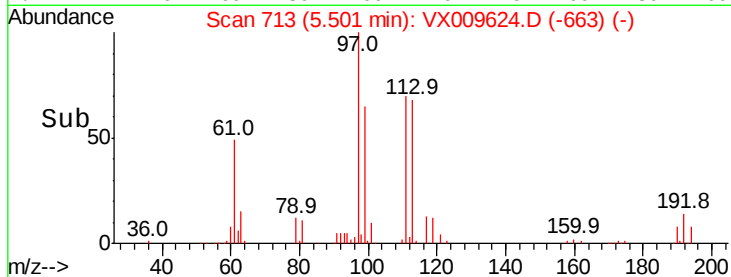
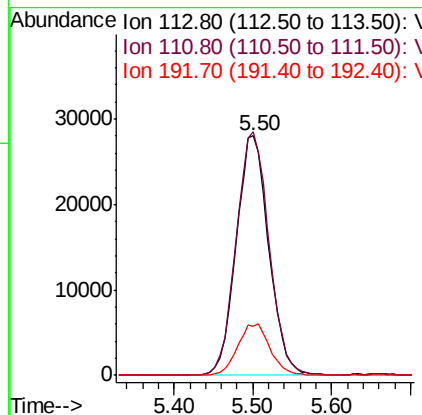
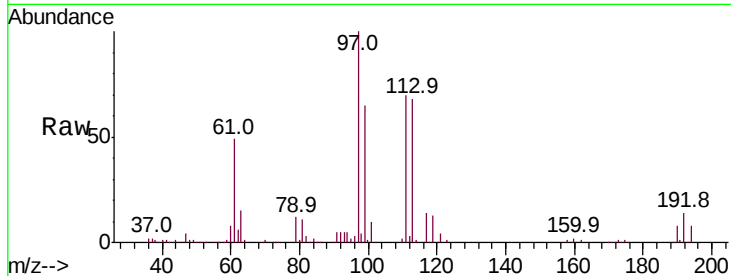
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	21.3	17.0	25.6

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5/17/2019 1:09:40 PM



#36

1,1-Dichloropropene

Concen: 48.604 ug/l

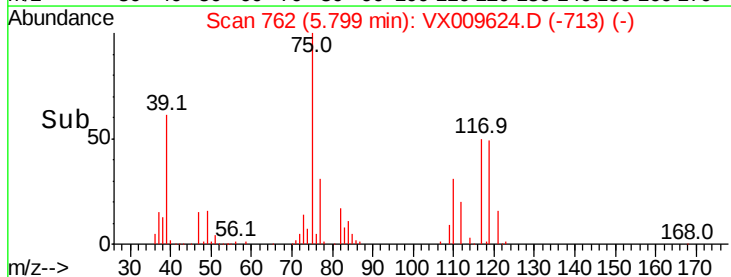
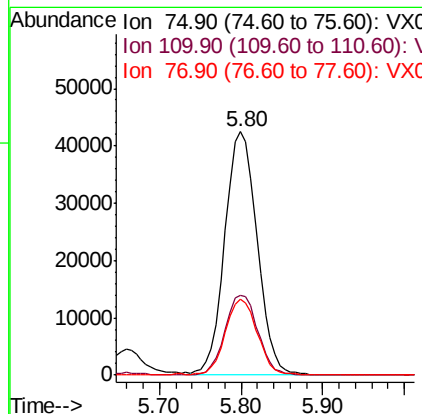
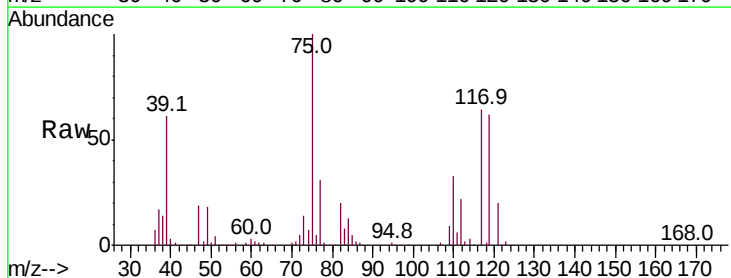
RT: 5.80 min Scan# 762

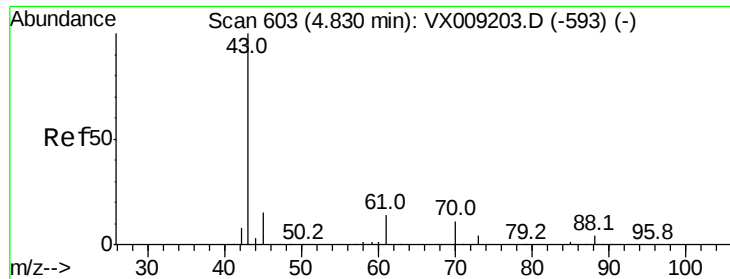
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	31.2	24.8	37.2





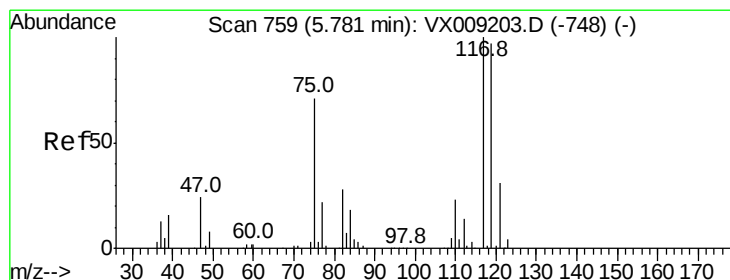
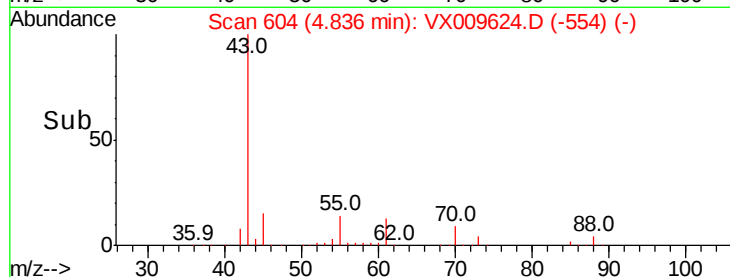
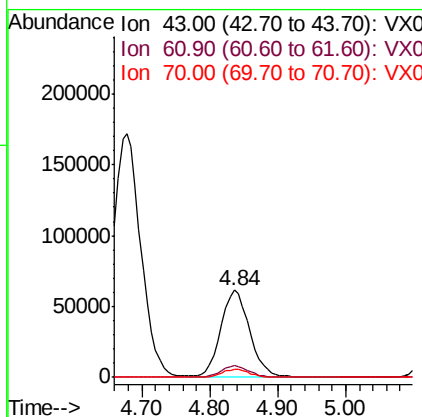
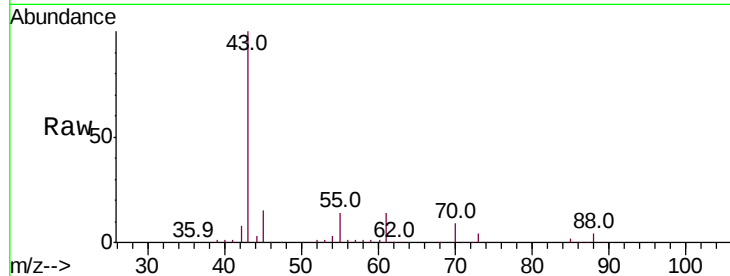
#37
Ethyl Acetate
Concen: 54.505 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.1	7.9	11.9

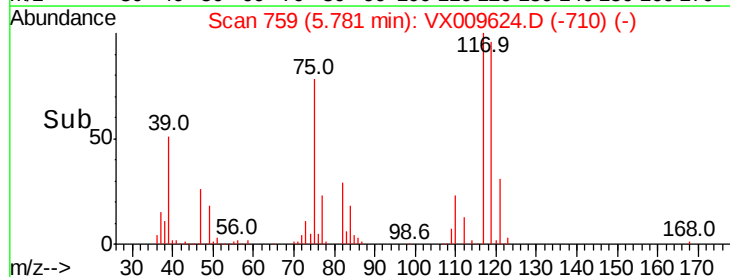
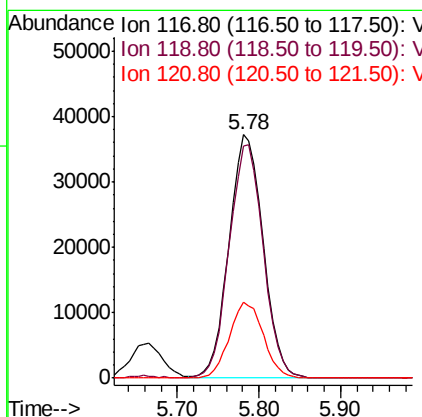
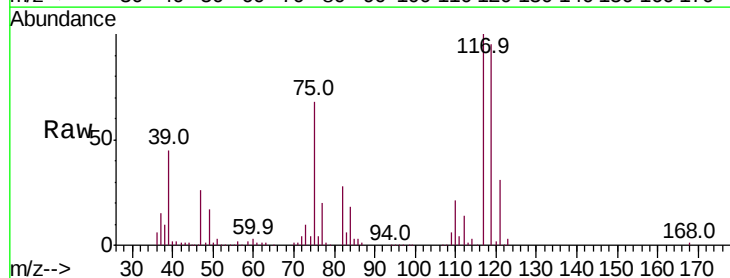
Manual Integrations
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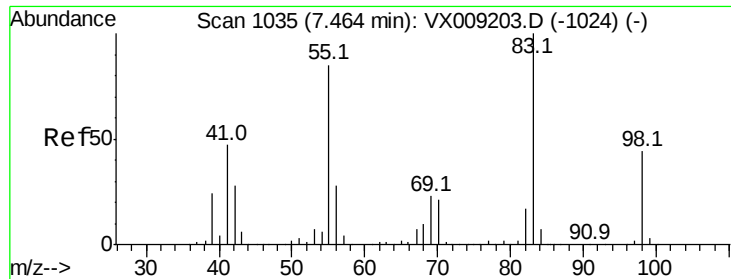
MMDadoda
5/17/2019 1:09:40 PM



#38
Carbon Tetrachloride
Concen: 49.620 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.5	116.3
121	31.0	24.7	37.1





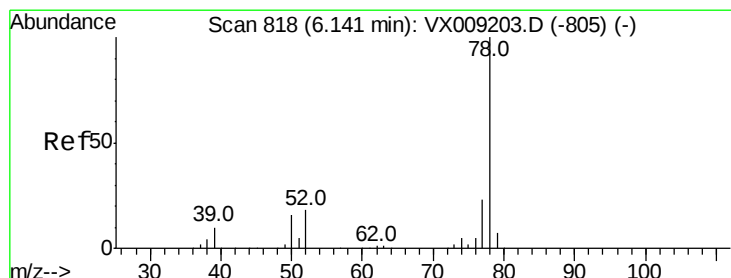
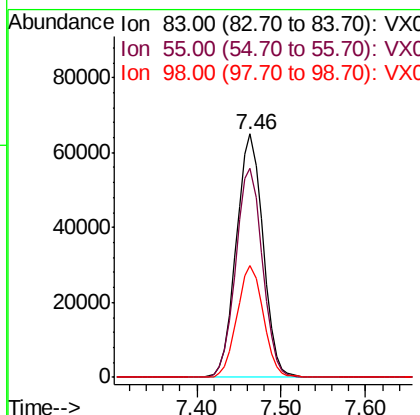
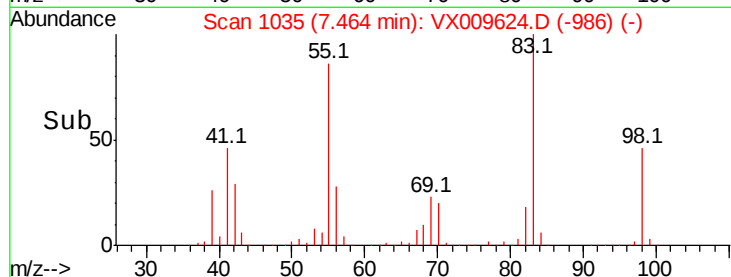
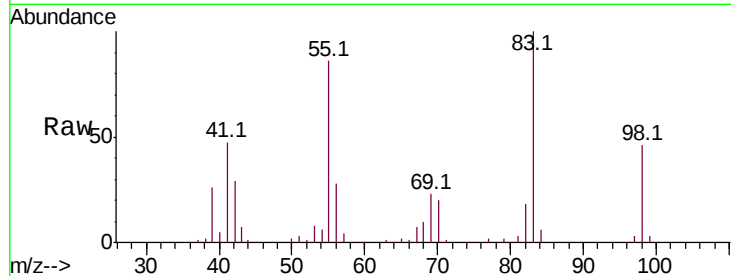
#39
Methvlcvclohexane
Concen: 47.131 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	67.7	101.5
98	46.0	35.5	53.3

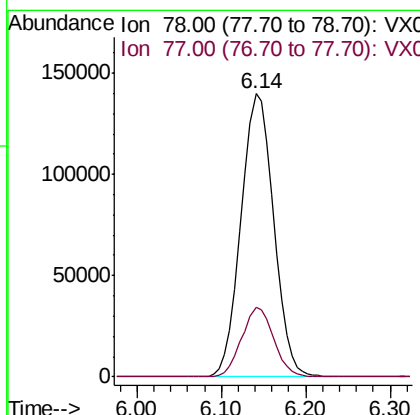
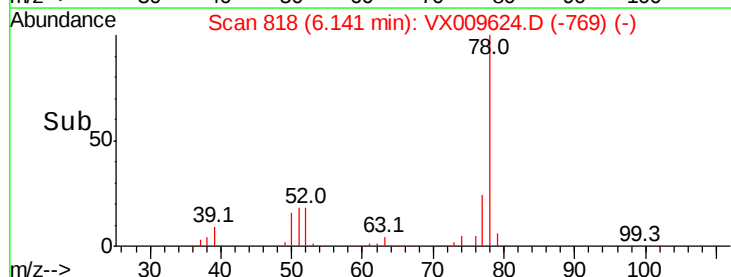
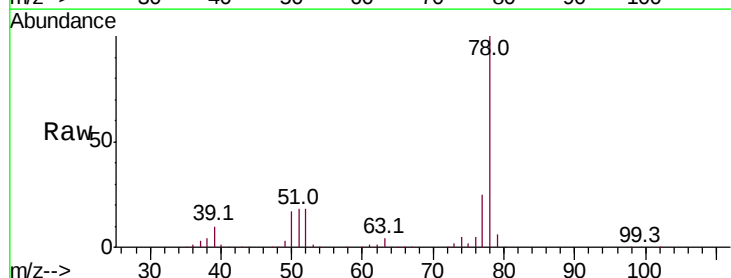
Manual Integrations
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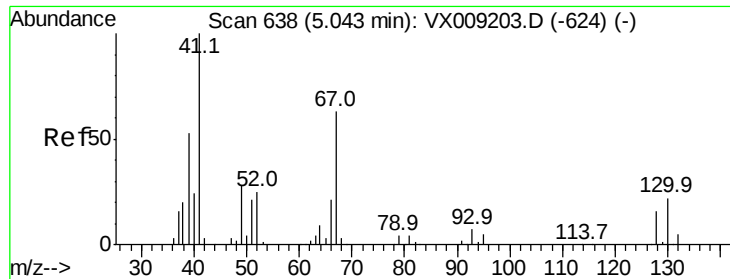
MMDadoda
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#40
Benzene
Concen: 49.744 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2





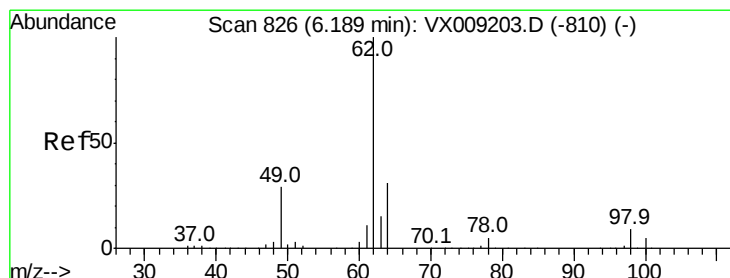
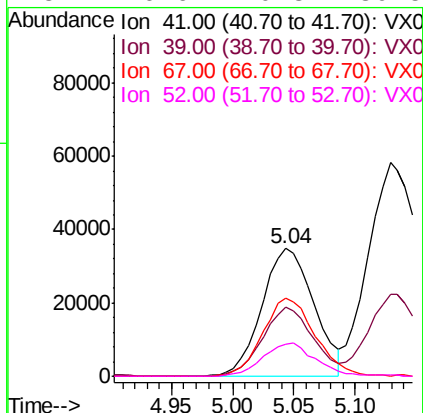
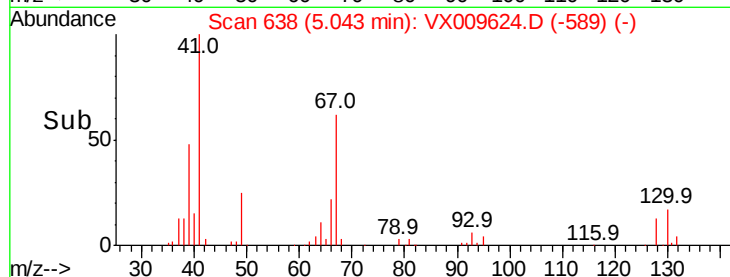
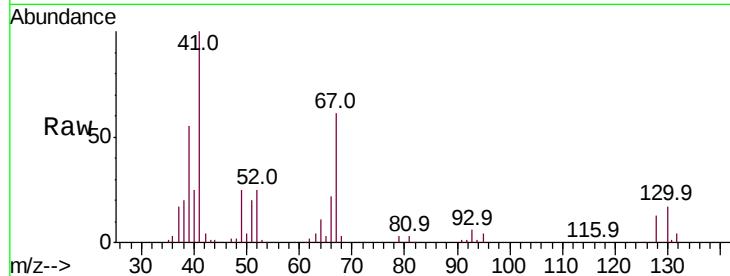
#41
Methacrylonitrile
Concen: 51.899 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	61.8	49.8	74.8	
52	26.6	20.3	30.5	

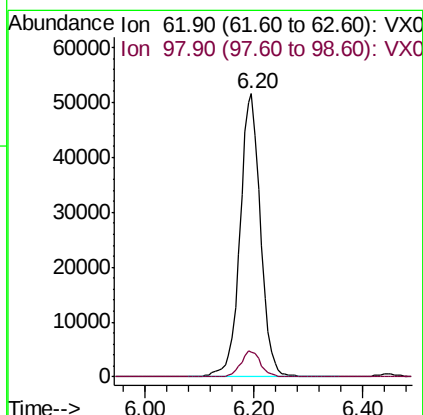
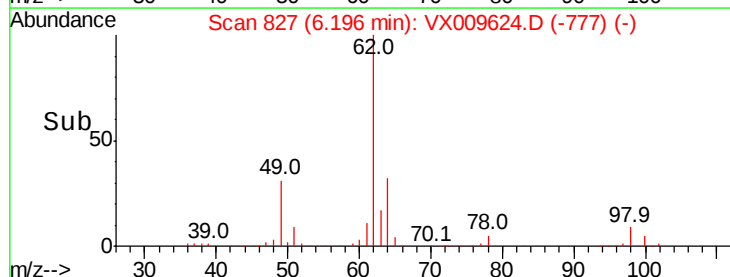
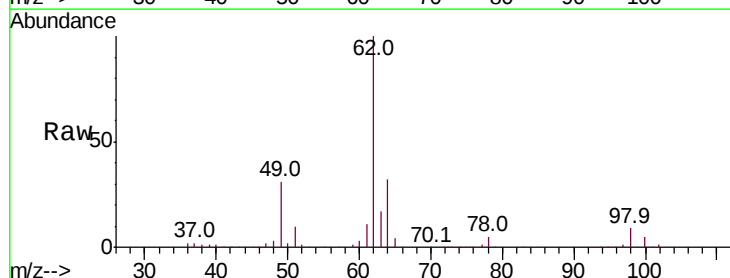
Manual Integrations
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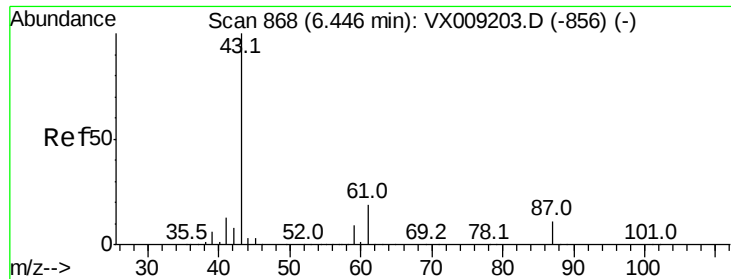
MMDadoda
5/17/2019 1:09:40 PM



#42
1,2-Dichloroethane
Concen: 50.650 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





#43

Isopropyl Acetate

Concen: 53.554 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

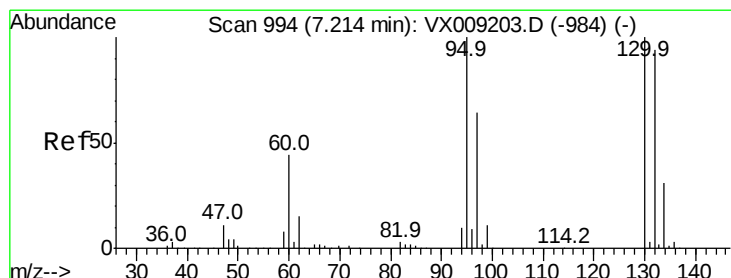
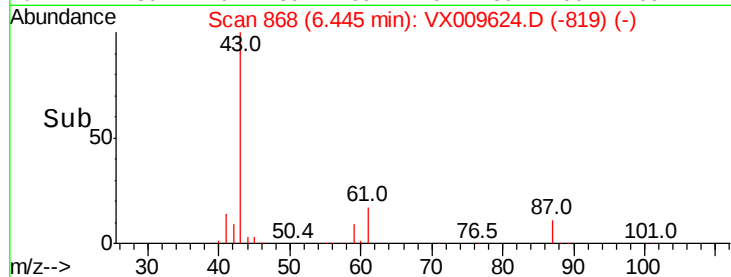
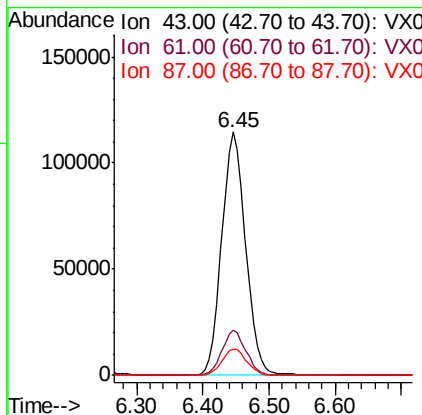
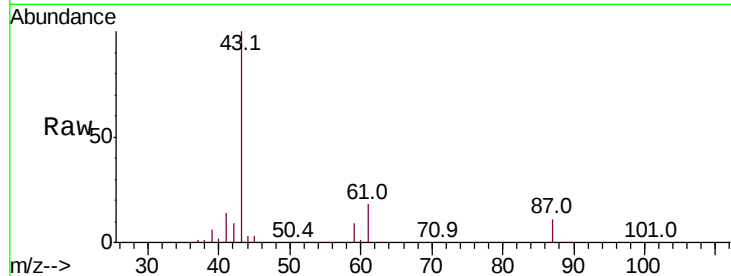
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	284970
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	11.3	9.0	13.6

Manual Integrations
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5/17/2019 1:09:40 PM



#44

Trichloroethene

Concen: 49.101 ug/l

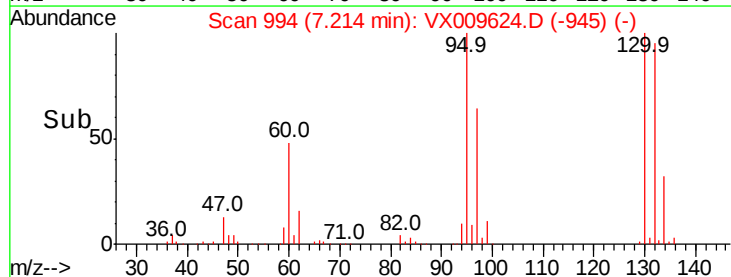
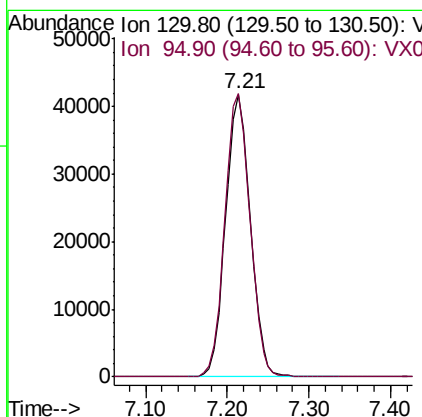
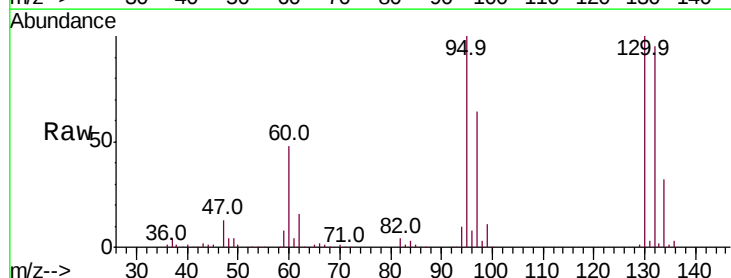
RT: 7.21 min Scan# 994

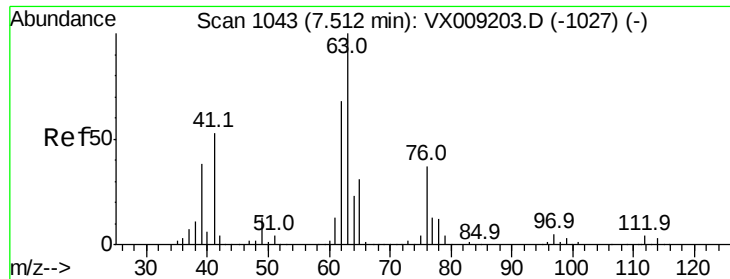
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion:	130	Resp:	87714
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	199.2





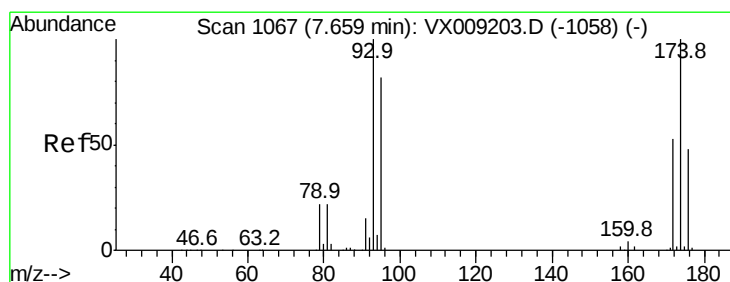
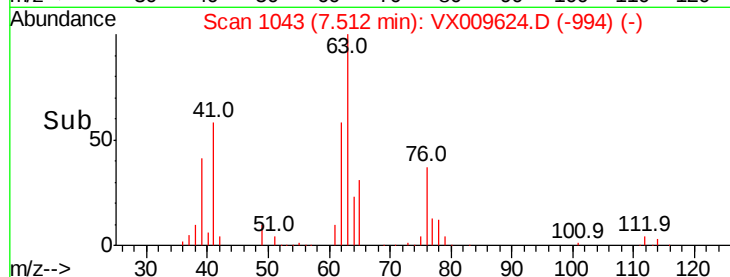
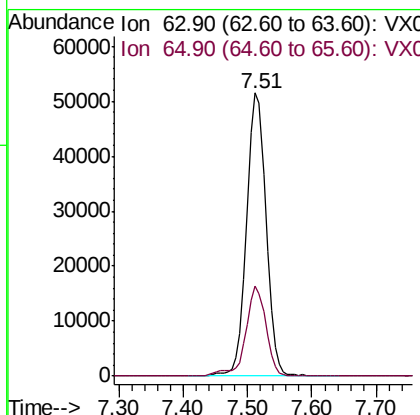
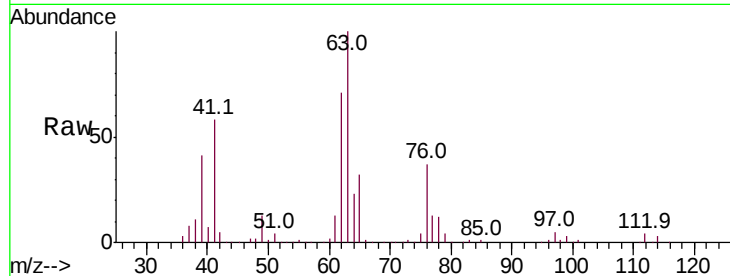
#45
 1,2-Dichloropropane
 Concen: 50.907 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 106516
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6

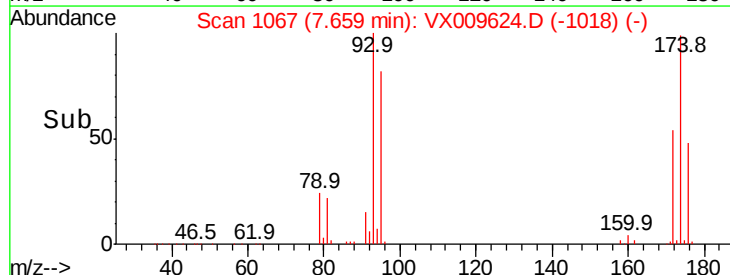
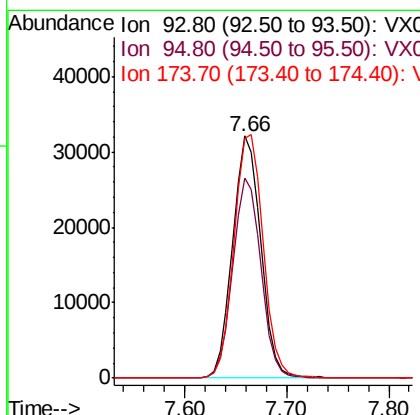
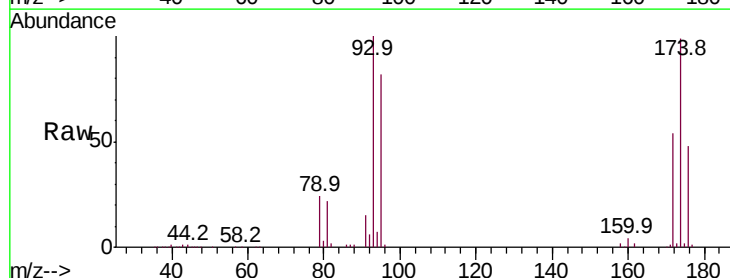
Manual Integrations
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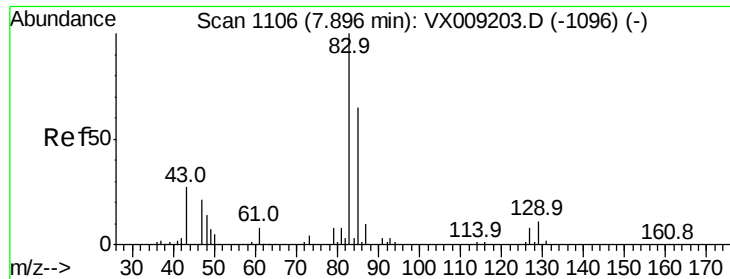
MMDadoda
 5/17/2019 1:09:40 PM



#46
 Dibromomethane
 Concen: 50.401 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion: 93 Resp: 61239
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.5 99.7
 174 104.3 82.1 123.1





#47

Bromodichloromethane

Concen: 51.466 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 124738

Ion Ratio Lower Upper

83 100

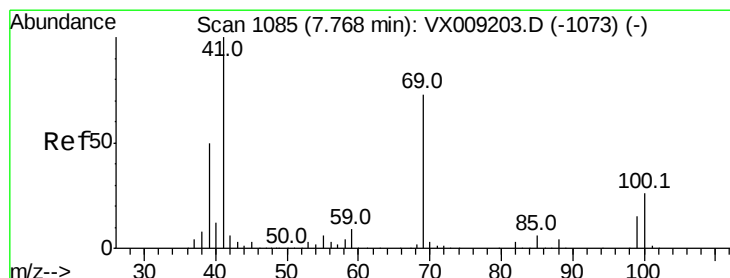
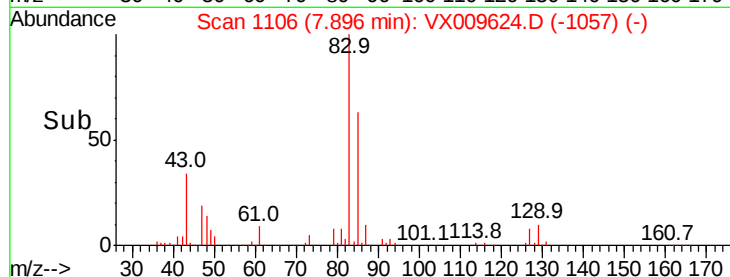
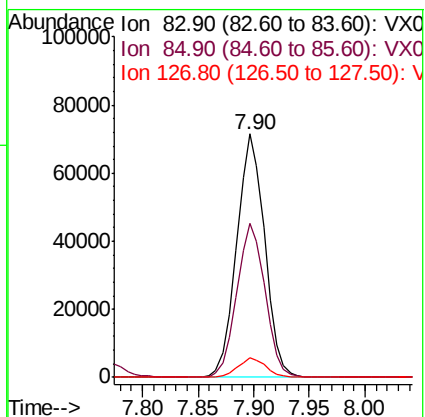
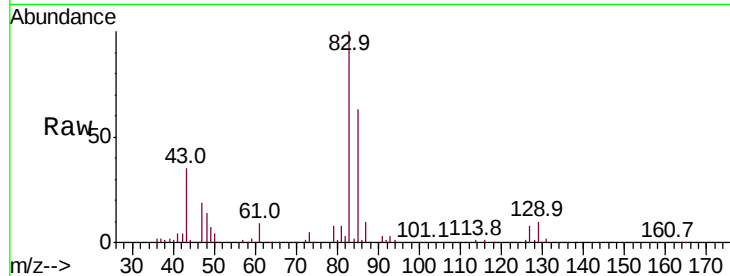
85 63.0 52.4 78.6

127 8.2 6.6 10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.135 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

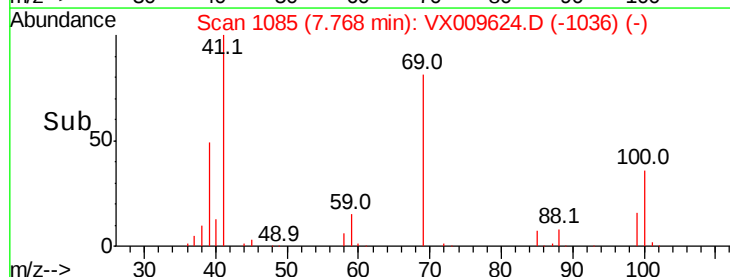
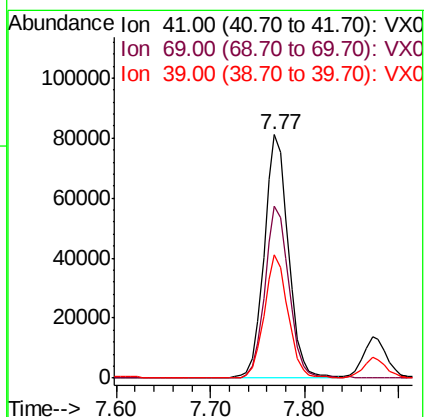
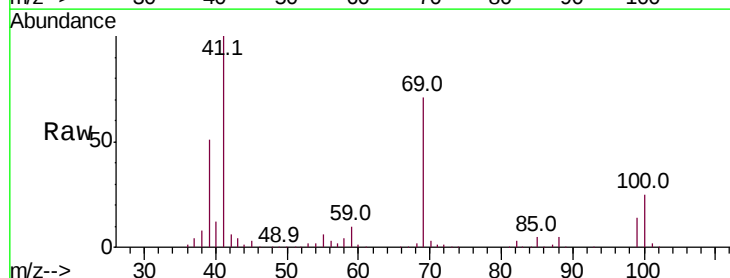
Tgt Ion: 41 Resp: 145556

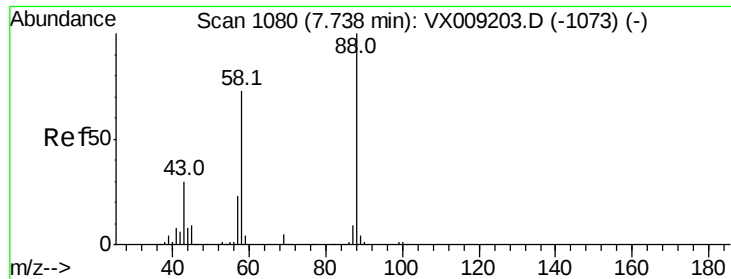
Ion Ratio Lower Upper

41 100

69 71.3 59.1 88.7

39 50.0 40.4 60.6





#49

1,4-Dioxane

Concen: 1022.535 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

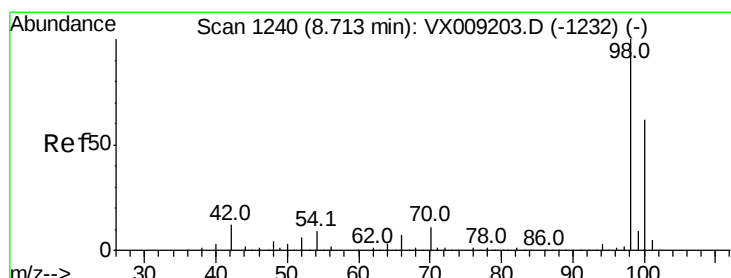
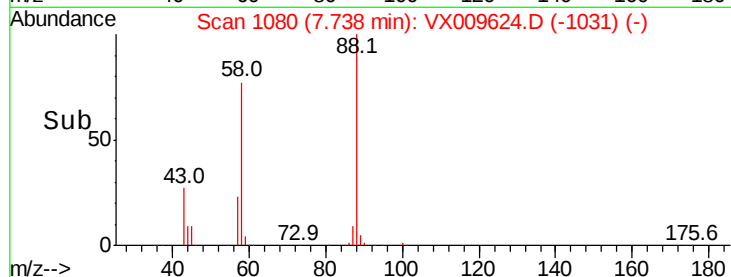
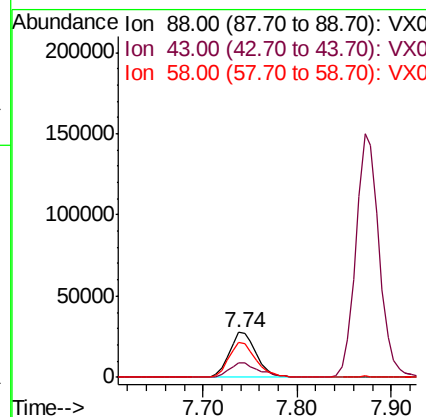
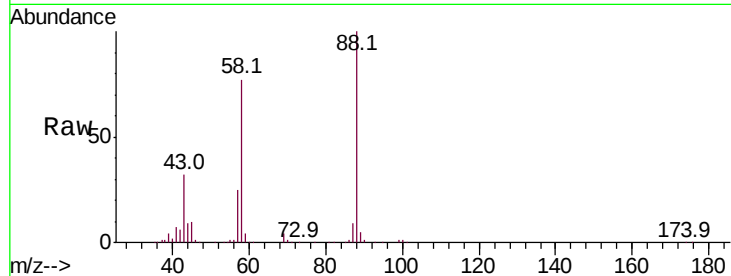
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	54745
Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	42.8
58	78.8	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 48.585 ug/l

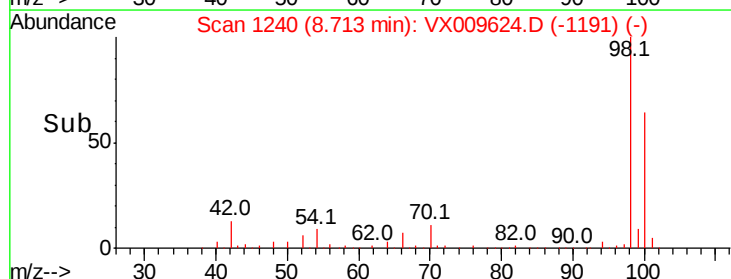
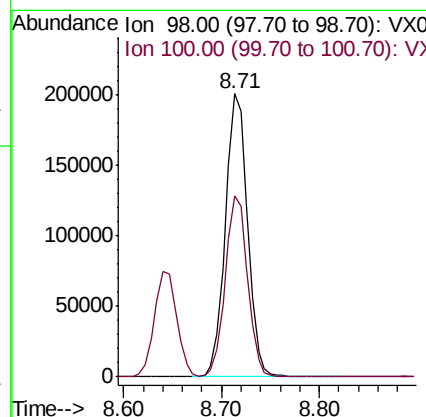
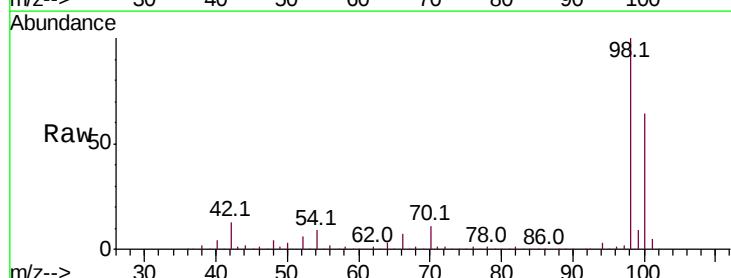
RT: 8.71 min Scan# 1240

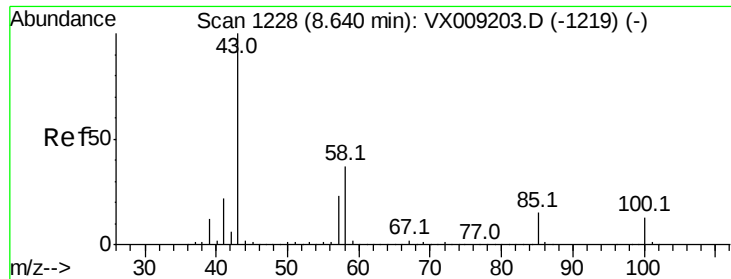
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion:	98	Resp:	316809
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 282.251 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 981684

Ion Ratio Lower Upper

43 100

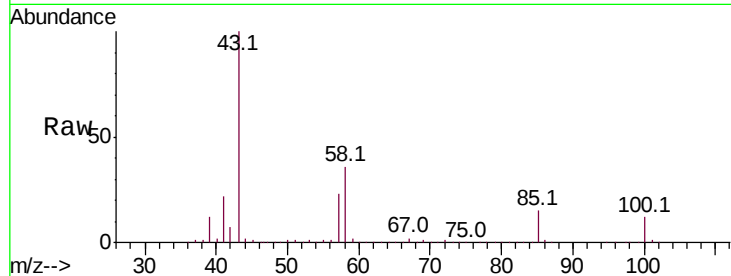
58 36.4 29.5 44.3

Manual Integrations

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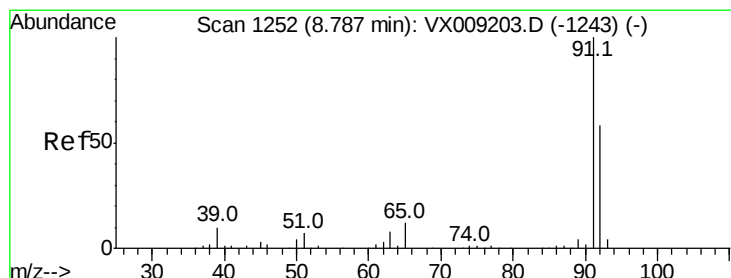
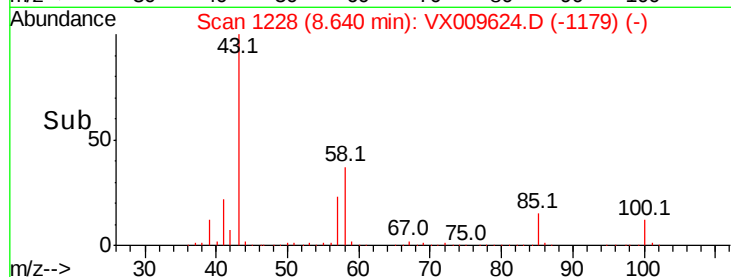
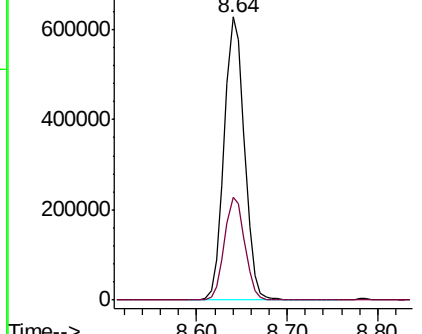
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.851 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009624.D

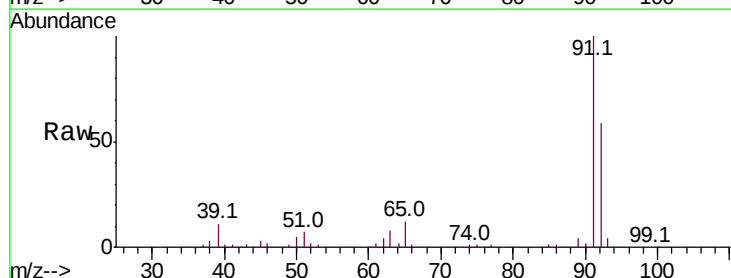
Acq: 16 May 2019 22:12

Tgt Ion: 92 Resp: 228413

Ion Ratio Lower Upper

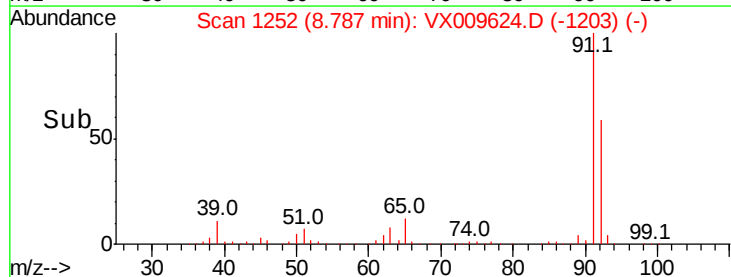
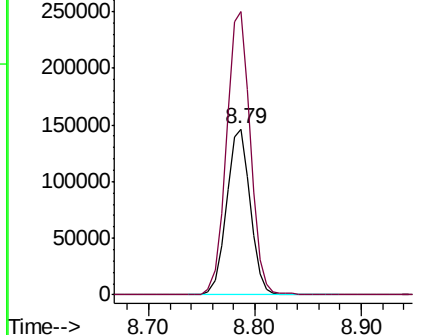
92 100

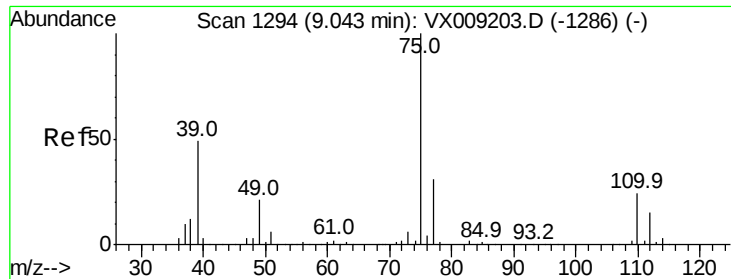
91 172.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





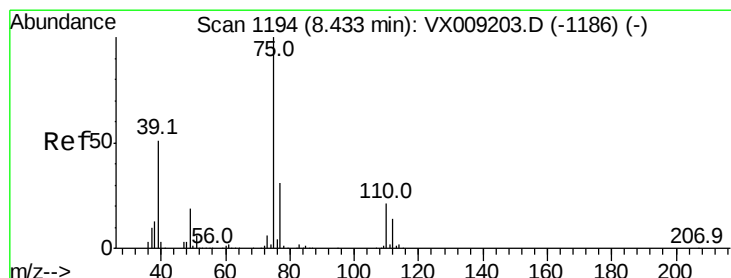
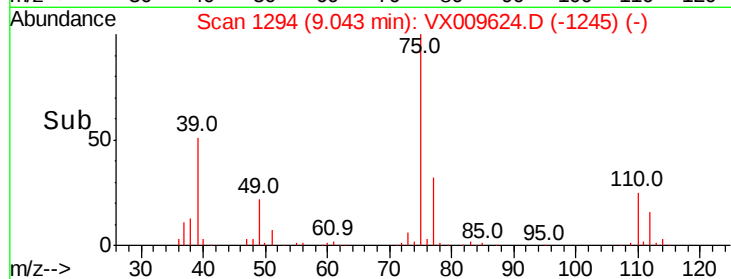
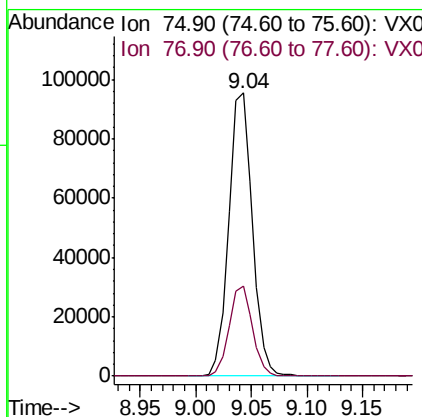
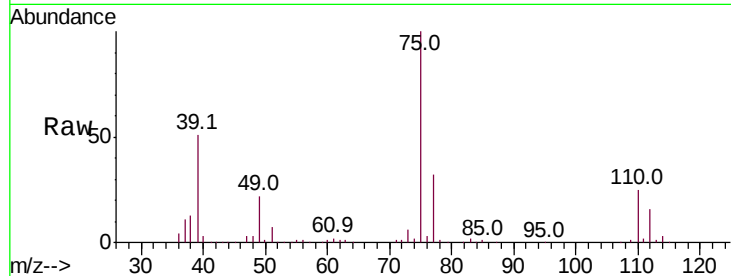
#53
 t-1,3-Dichloropropene
 Concen: 51.209 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

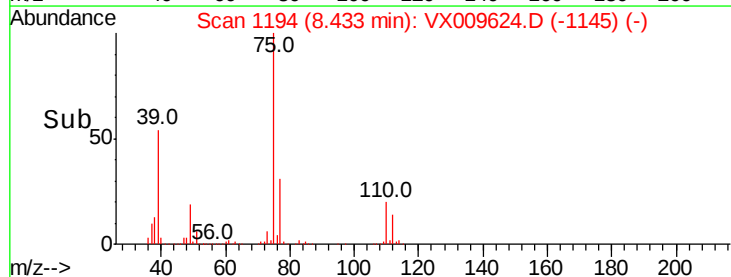
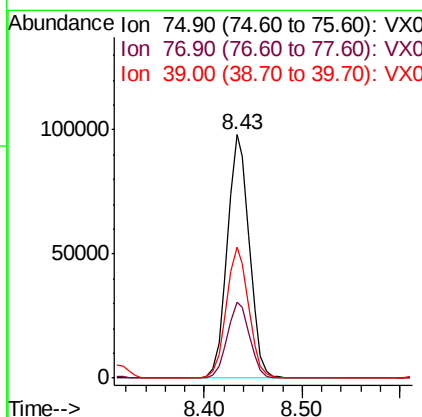
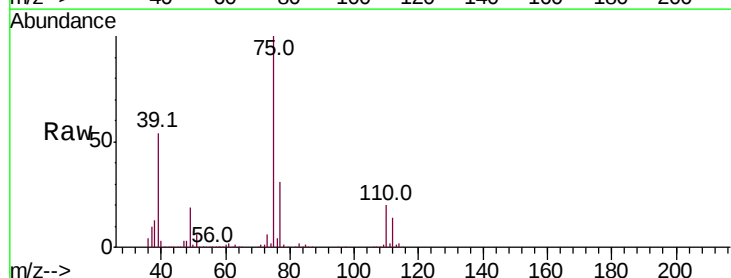
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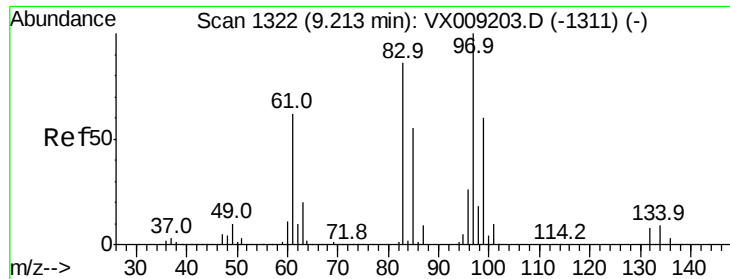
MMDadoda
 5/17/2019 1:09:40 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.538 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	53.8	40.6	60.8





#55

1,1,2-Trichloroethane

Concen: 52.001 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

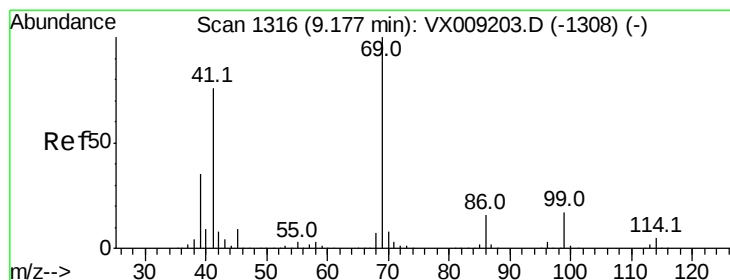
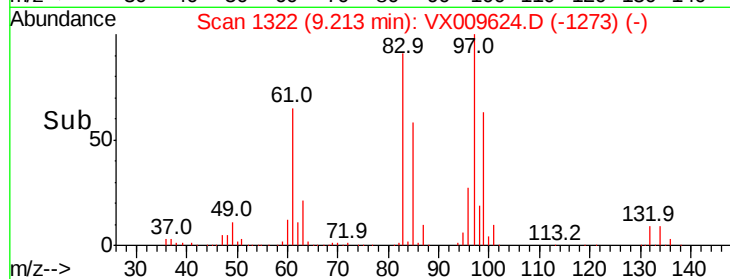
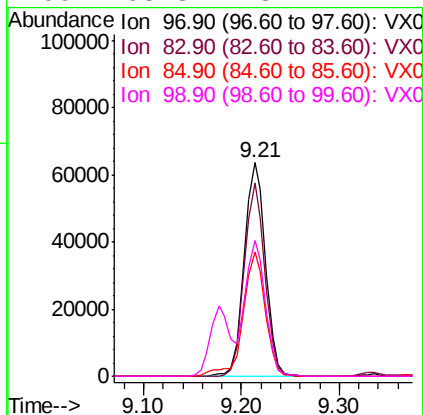
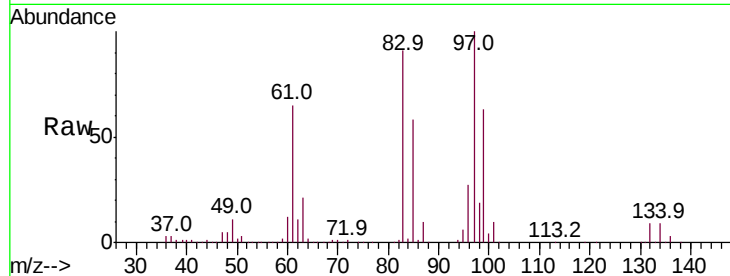
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	95293
Ion Ratio	Lower	Upper	
97	100		
83	90.6	68.9	103.3
85	58.2	43.8	65.6
99	63.3	48.2	72.2

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#56

Ethyl methacrylate

Concen: 53.928 ug/l

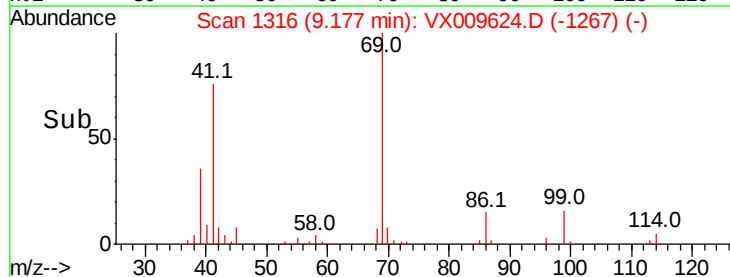
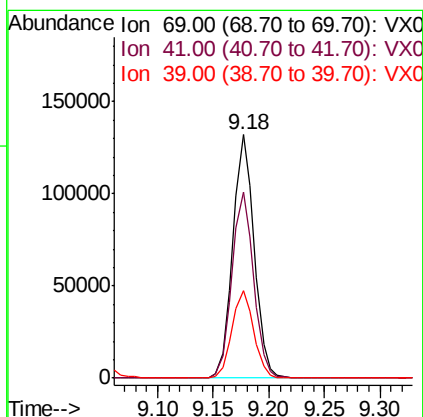
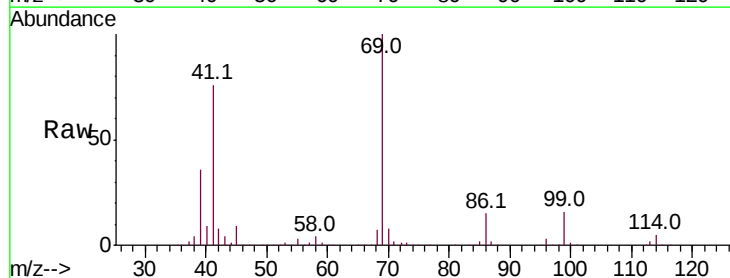
RT: 9.18 min Scan# 1316

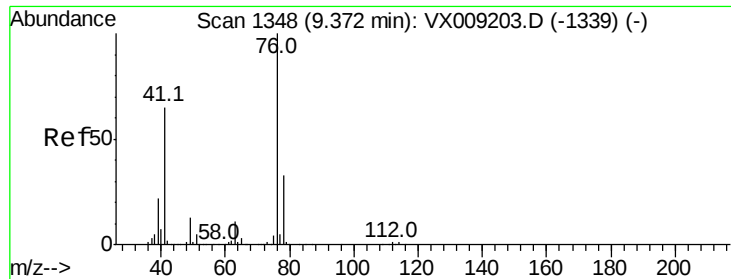
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion	69	Resp	176407
Ion Ratio	Lower	Upper	
69	100		
41	77.3	60.6	90.8
39	36.5	28.2	42.4





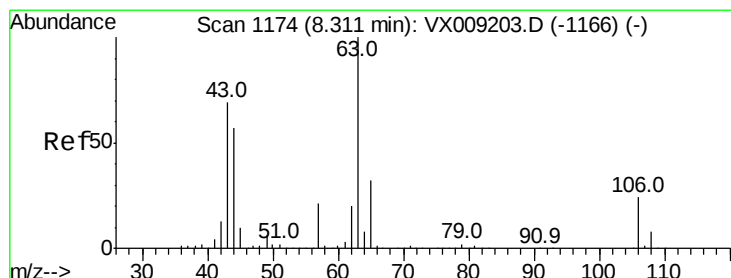
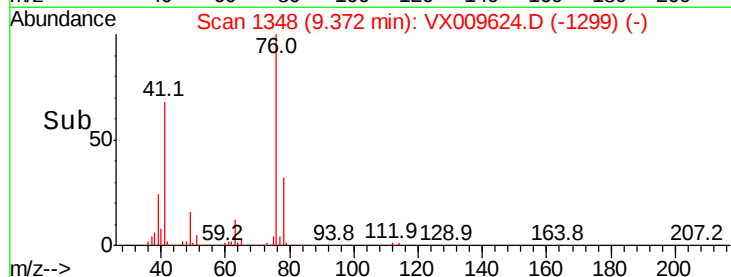
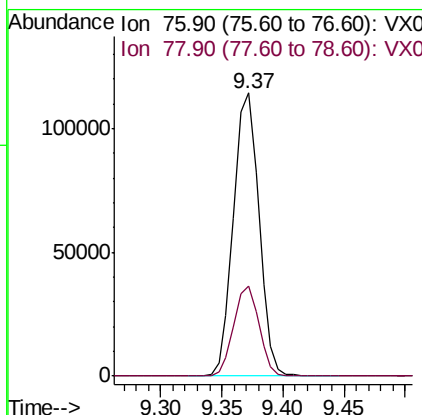
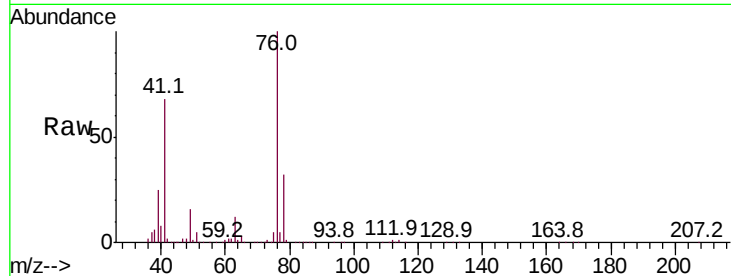
#57
 1,3-Dichloropropane
 Concen: 51.395 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

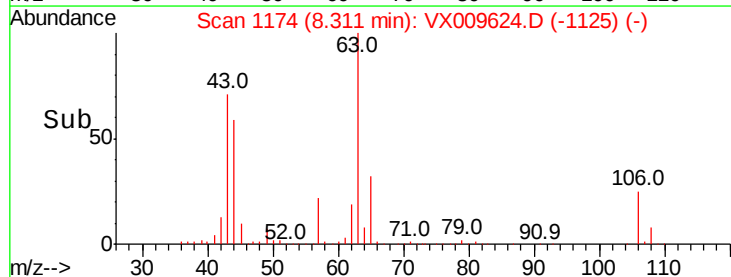
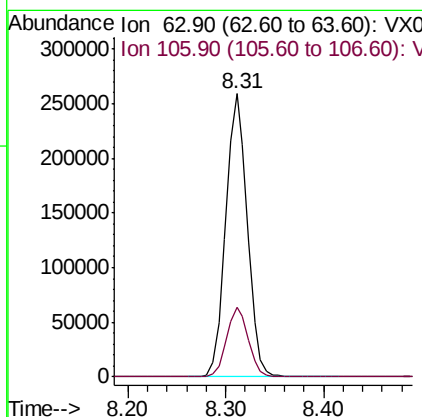
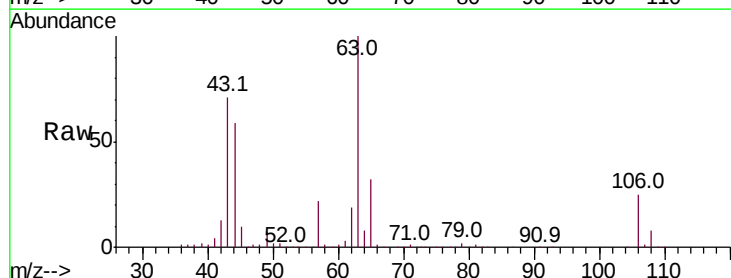
Manual Integrations
 APPROVED

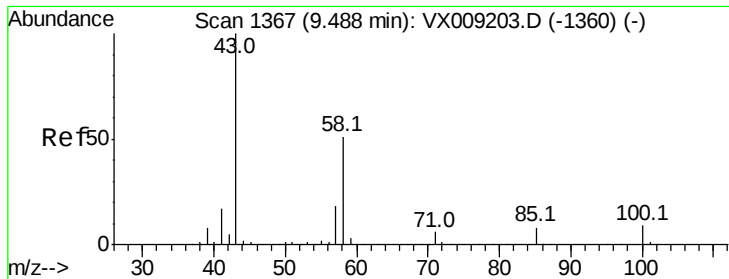
MMDadoda
 5/17/2019 1:09:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.561 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.7	29.5





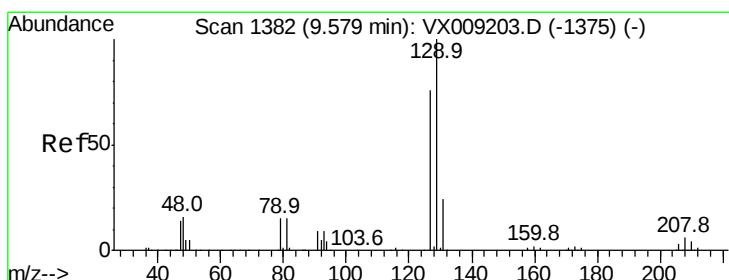
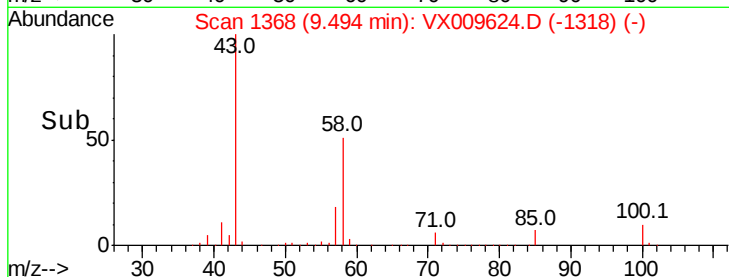
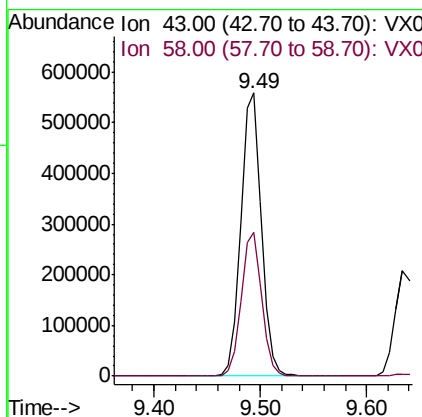
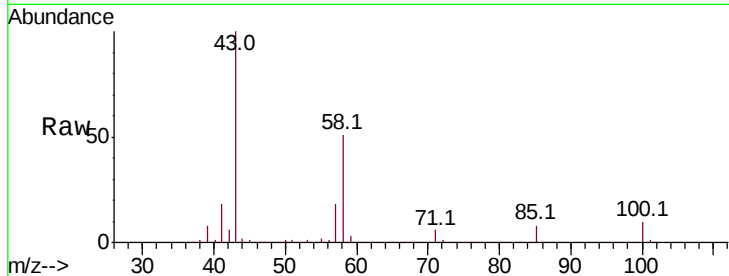
#59
2-Hexanone
Concen: 275.989 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 753898
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7

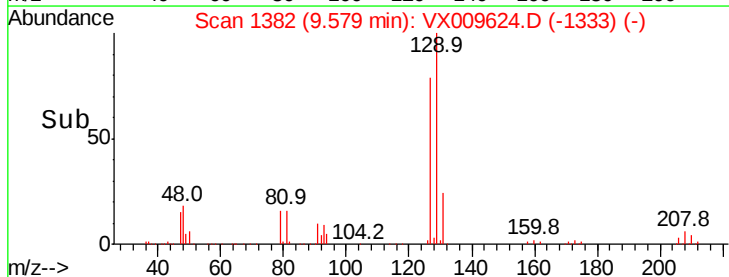
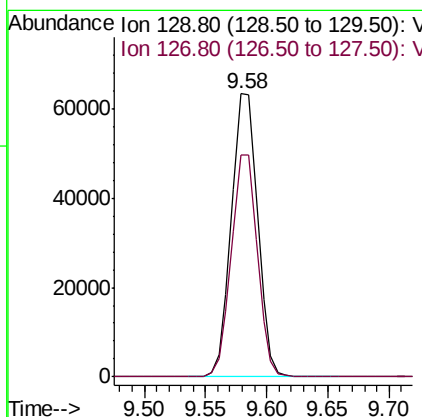
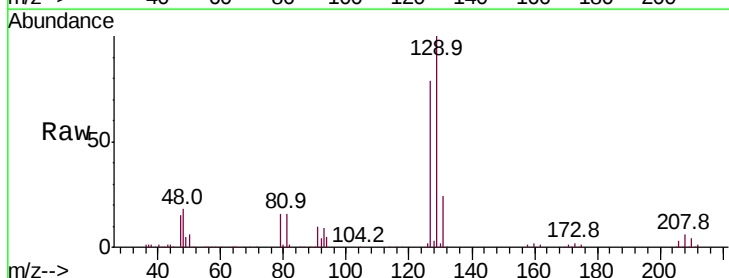
Manual Integrations
APPROVED

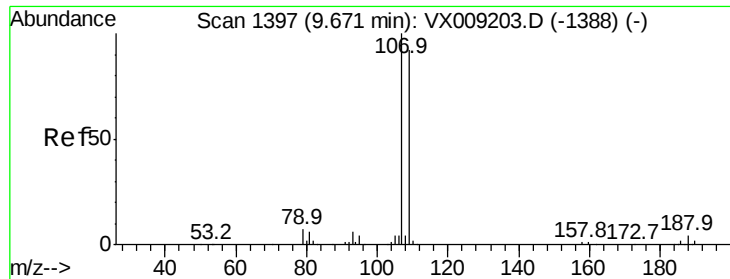
MMDadoda
5/17/2019 1:09:40 PM



#60
Dibromochloromethane
Concen: 52.539 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion: 129 Resp: 94034
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.039 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 96261

Ion Ratio Lower Upper

107 100

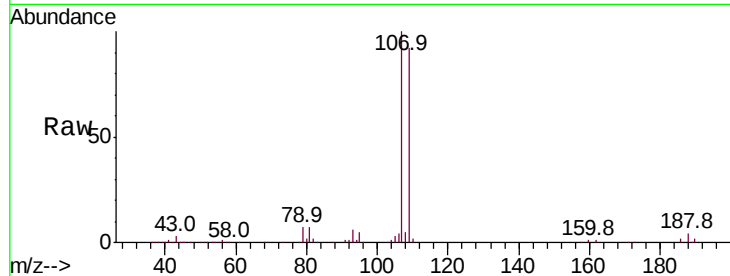
109 93.2 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/17/2019 1:09:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

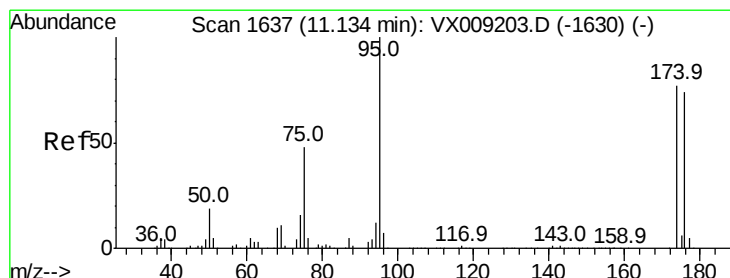
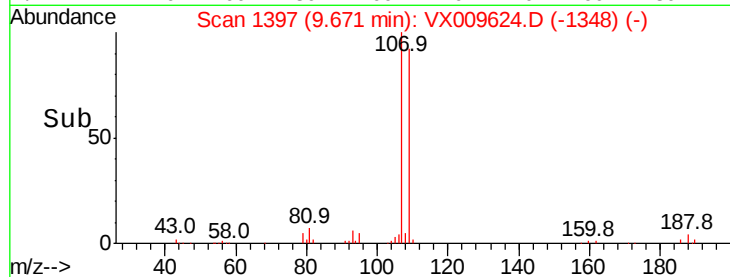
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

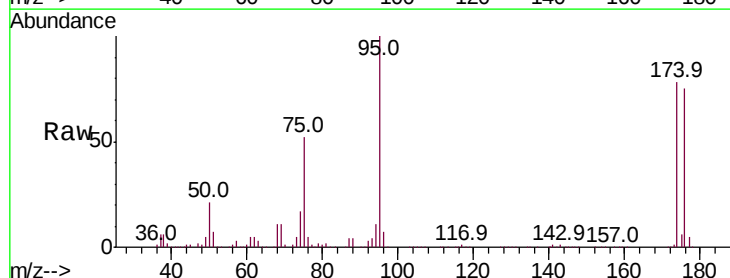
Tgt Ion: 95 Resp: 119658

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

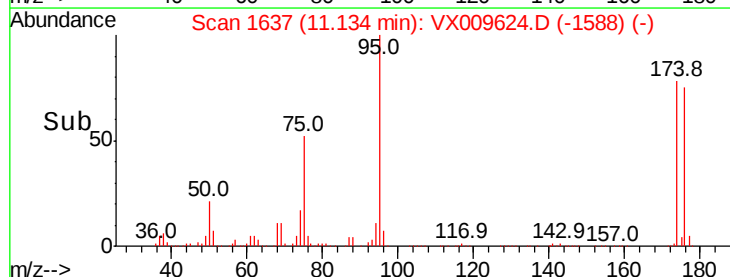
40000

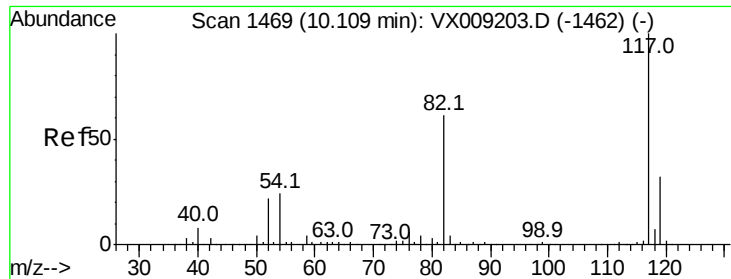
20000

0

11.10 11.15 11.20

Time-->





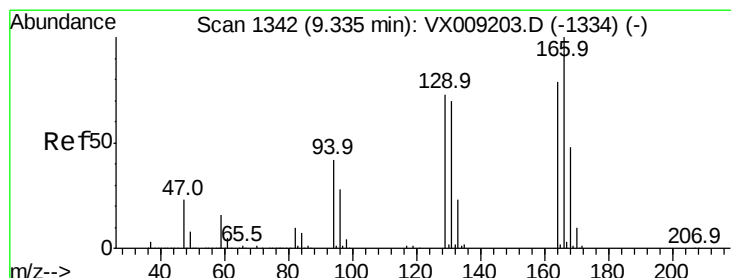
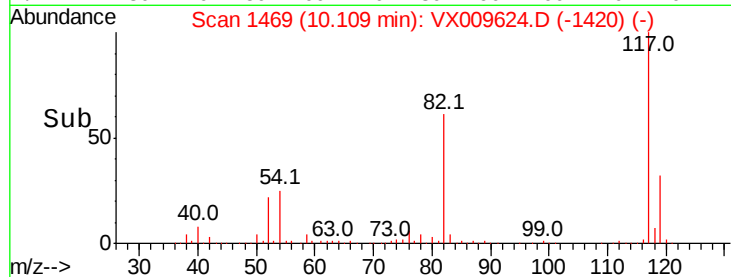
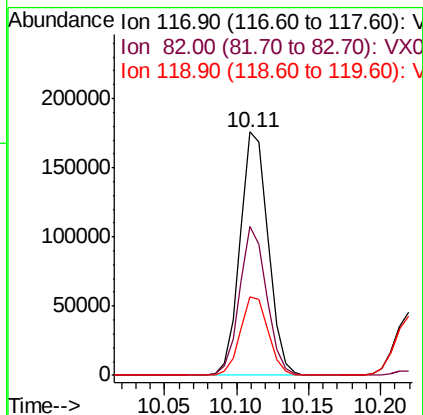
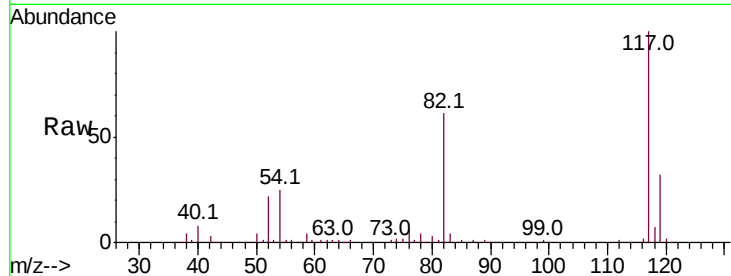
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	237792		
82	60.9	48.8	73.2	
119	32.5	25.8	38.6	

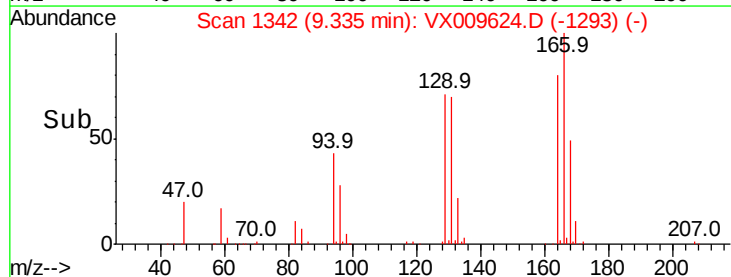
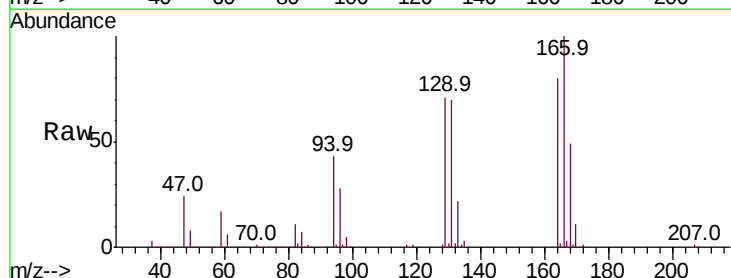
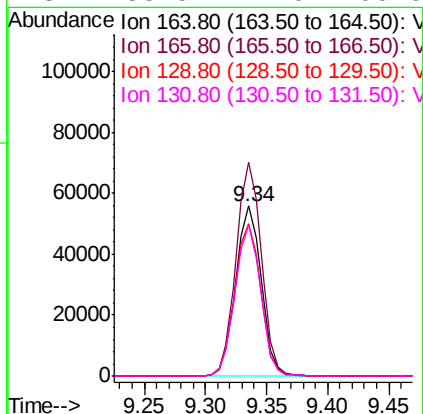
Manual Integrations
APPROVED

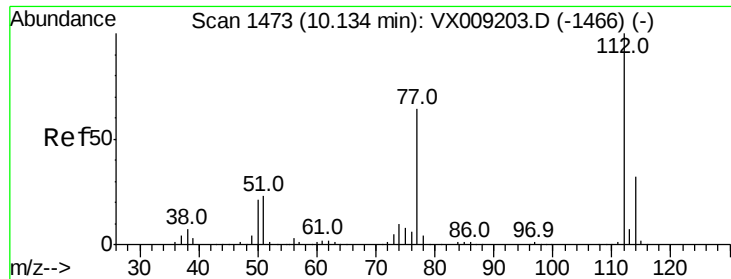
MMDadoda
5/17/2019 1:09:40 PM



#64
Tetrachloroethene
Concen: 49.291 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80401		
166	125.7	101.2	151.8	
129	89.3	74.3	111.5	
131	88.5	71.0	106.6	





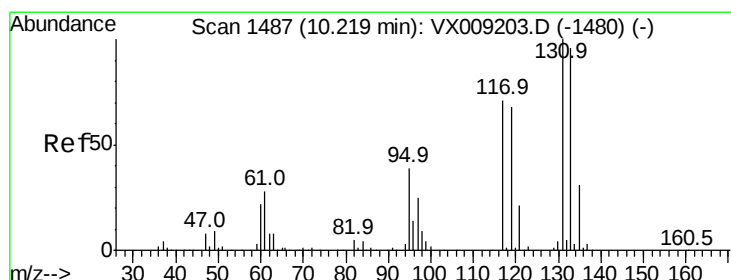
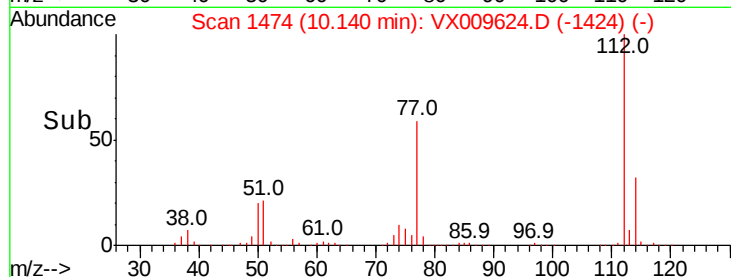
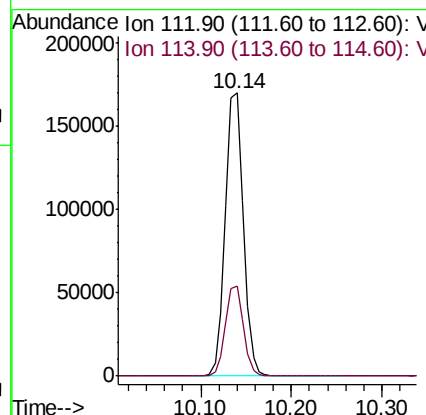
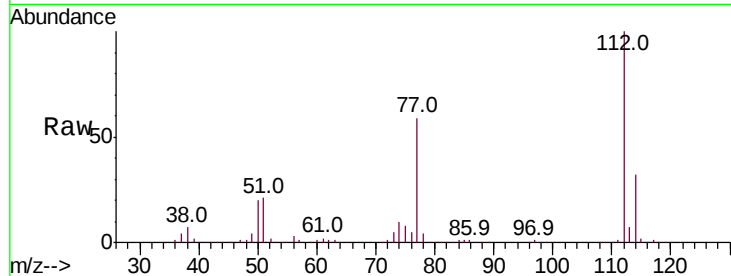
#65
Chlorobenzene
Concen: 50.070 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 238179
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

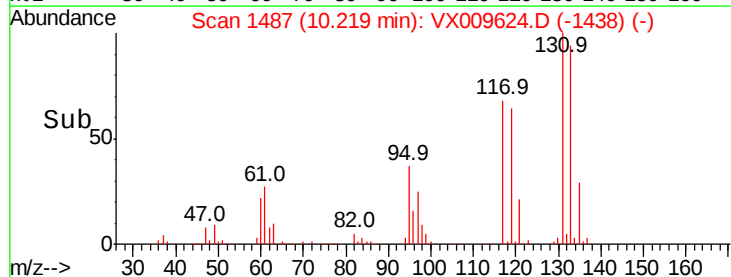
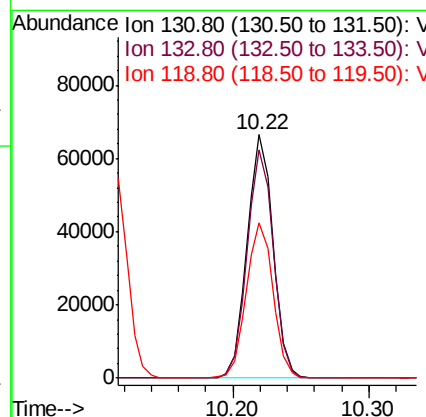
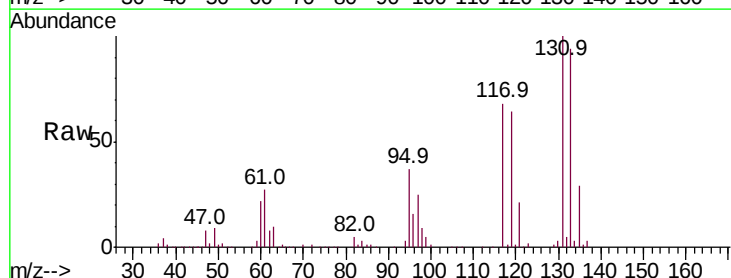
Manual Integrations
APPROVED

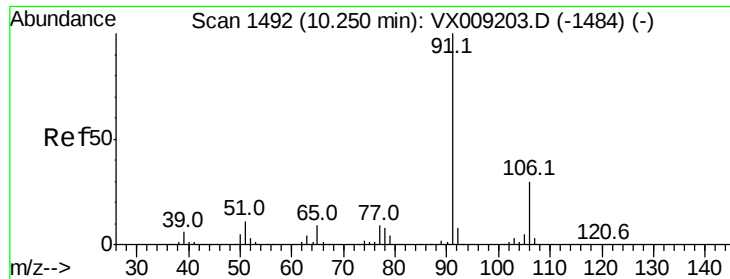
MMDadoda
5/17/2019 1:09:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.421 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion:131 Resp: 88679
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 65.7 33.5 100.4





#67

Ethyl Benzene

Concen: 50.202 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 439493

Ion Ratio Lower Upper

91 100

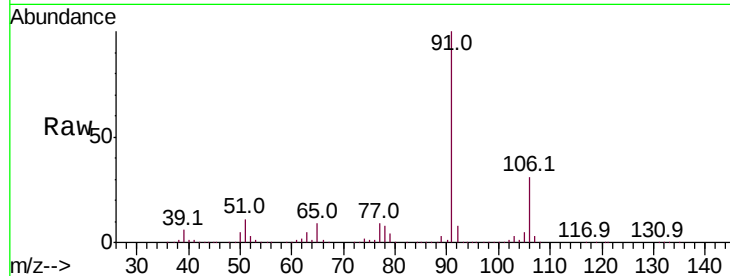
106 30.9 24.0 36.0

Manual Integrations

APPROVED

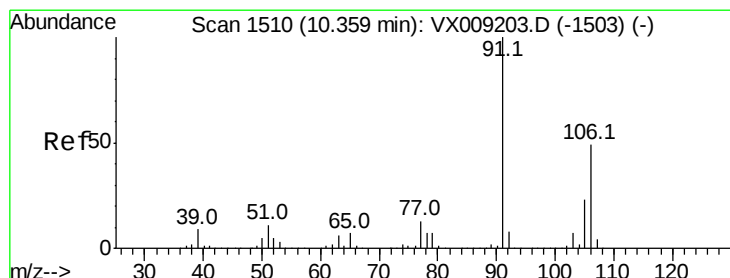
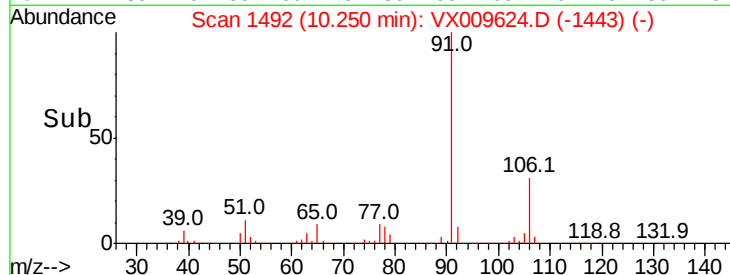
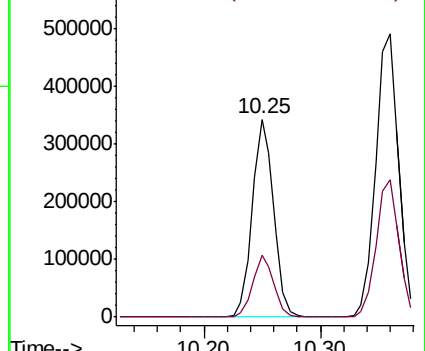
MMDadoda

5/17/2019 1:09:40 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.804 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009624.D

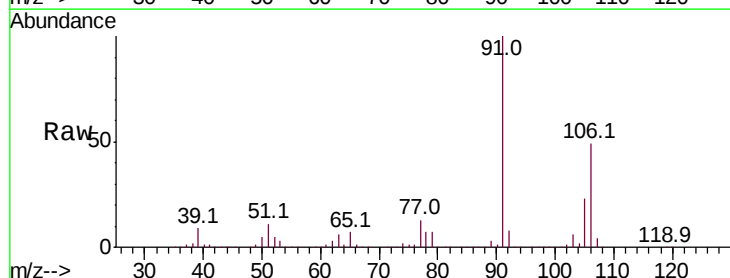
Acq: 16 May 2019 22:12

Tgt Ion:106 Resp: 322489

Ion Ratio Lower Upper

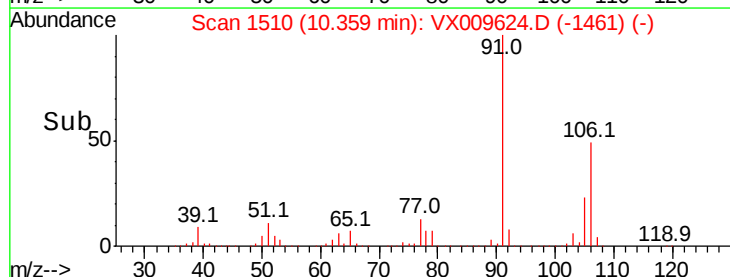
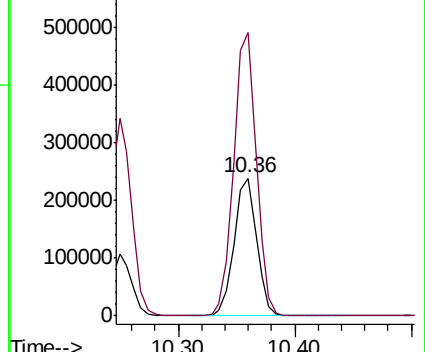
106 100

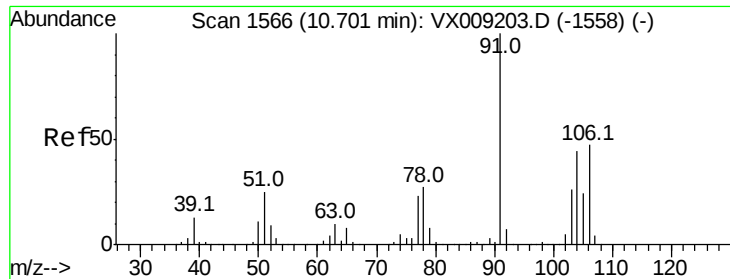
91 208.0 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





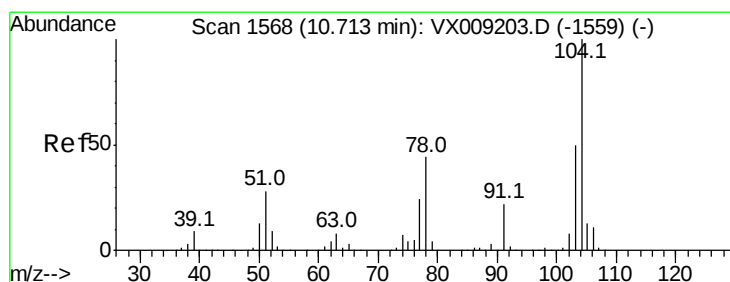
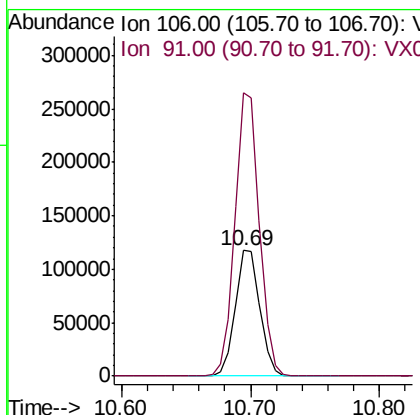
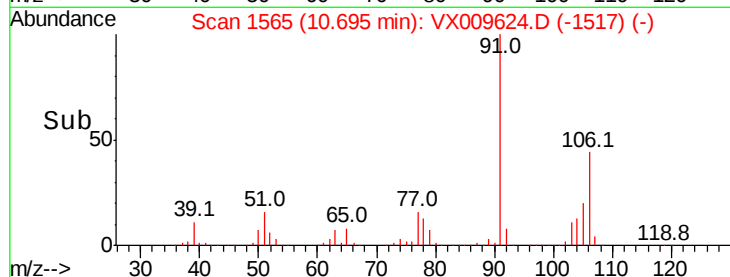
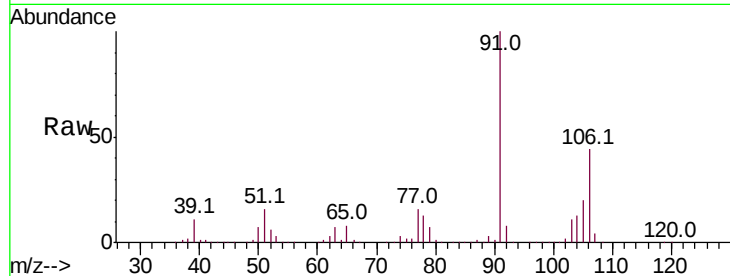
#69
o-Xylene
Concen: 49.683 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 156822
Ion Ratio Lower Upper
106 100
91 222.9 109.5 328.4

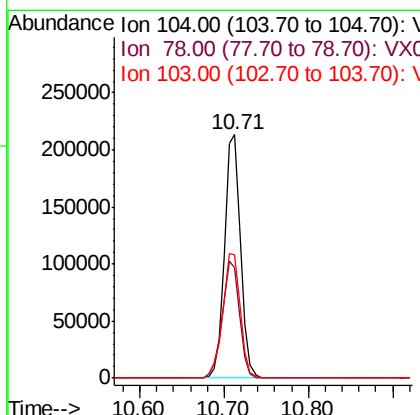
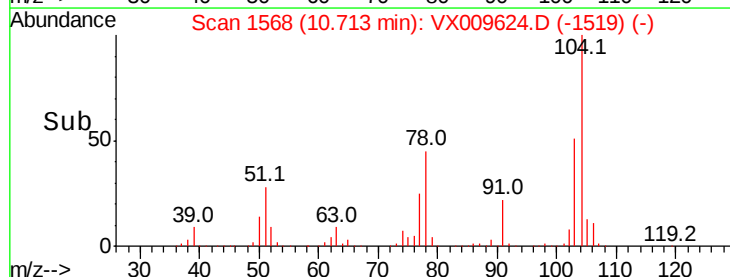
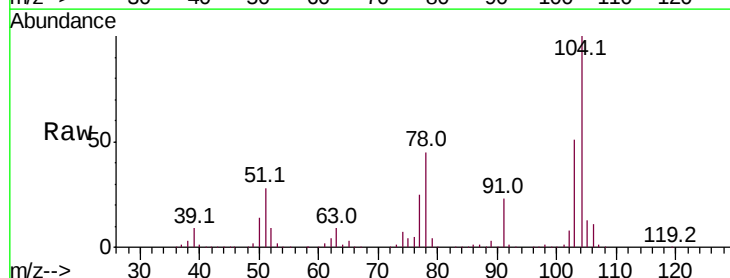
Manual Integrations
APPROVED

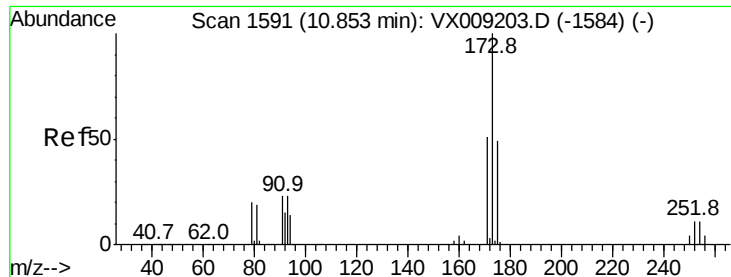
MMDadoda
5/17/2019 1:09:40 PM



#70
Styrene
Concen: 51.321 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion:104 Resp: 281556
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 55.9 43.8 65.6





#71

Bromoform

Concen: 52.950 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74209

Ion Ratio Lower Upper

173 100

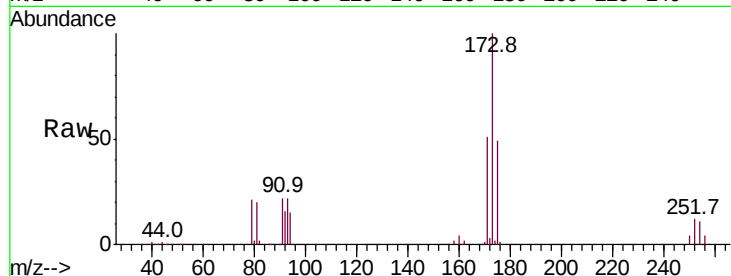
175 48.7 24.5 73.5

254 0.0 0.1 0.1#

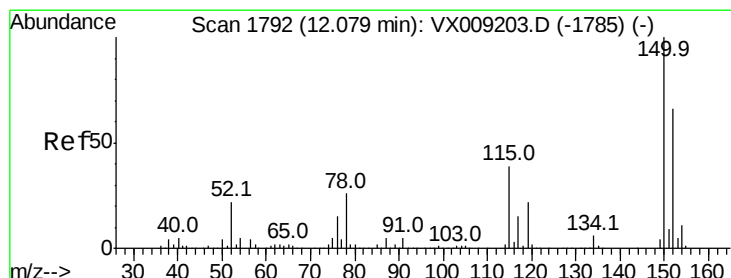
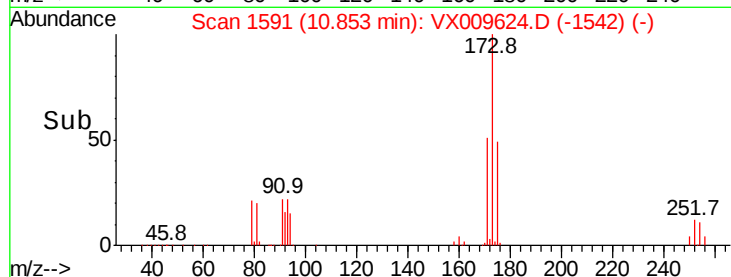
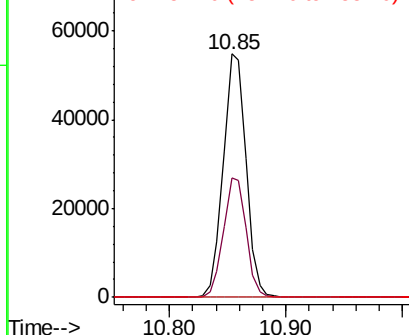
Manual Integrations
APPROVED

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5/17/2019 1:09:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

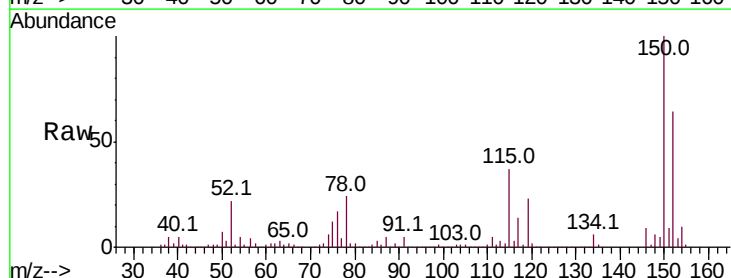
Tgt Ion:152 Resp: 120106

Ion Ratio Lower Upper

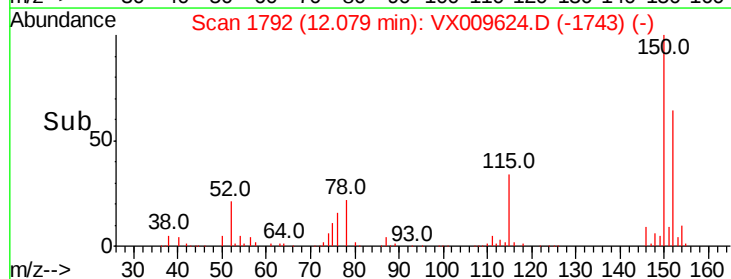
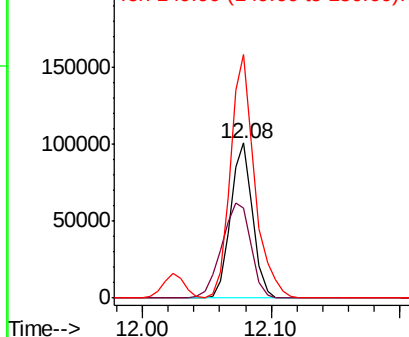
152 100

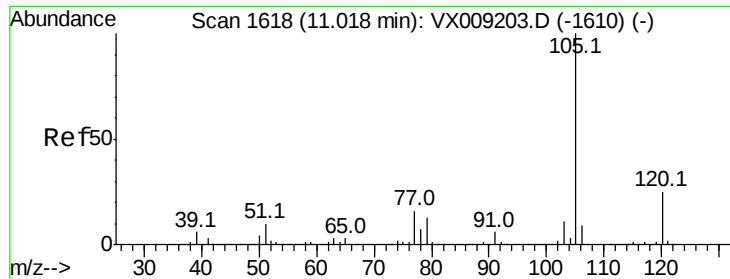
115 81.6 41.2 123.6

150 171.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





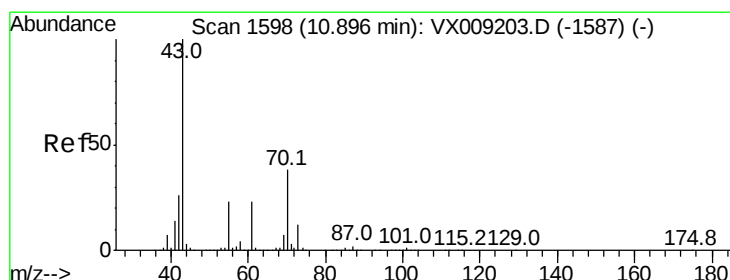
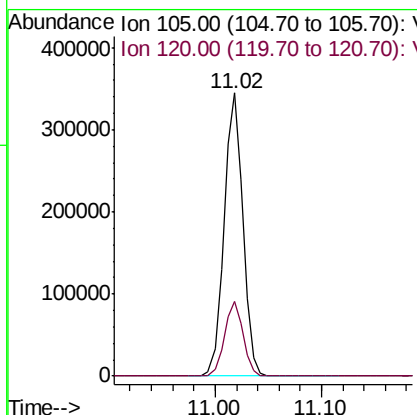
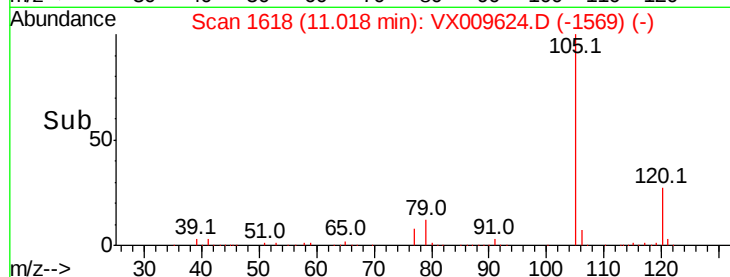
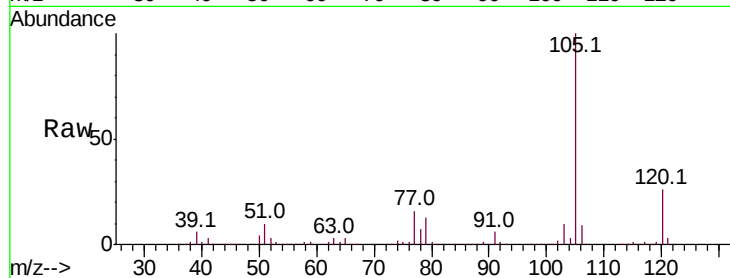
#73
Isopropylbenzene
Concen: 48.509 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 423673
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.3

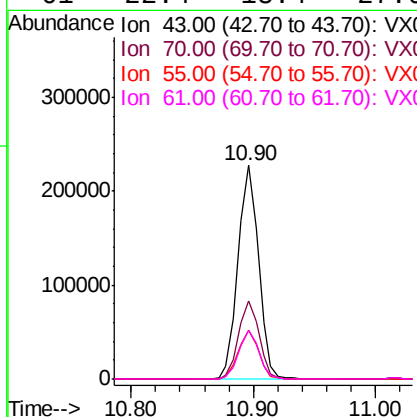
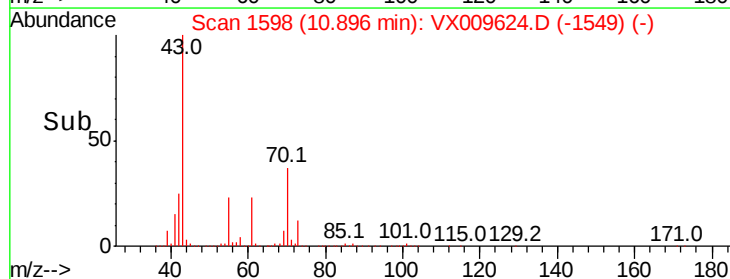
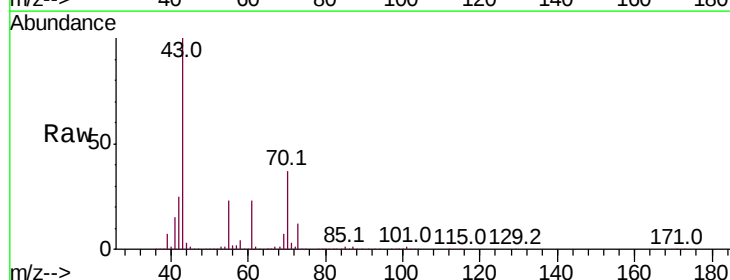
Manual Integrations
APPROVED

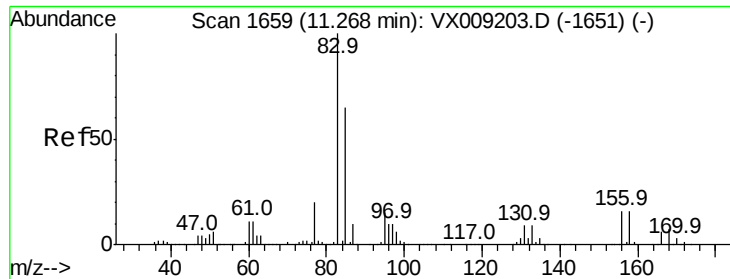
MMDadoda
5/17/2019 1:09:40 PM



#74
N-ethyl acetate
Concen: 51.500 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion: 43 Resp: 262240
Ion Ratio Lower Upper
43 100
70 36.8 30.0 45.0
55 22.8 17.9 26.9
61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.726 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

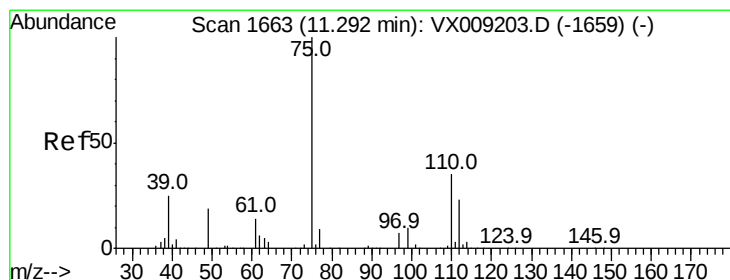
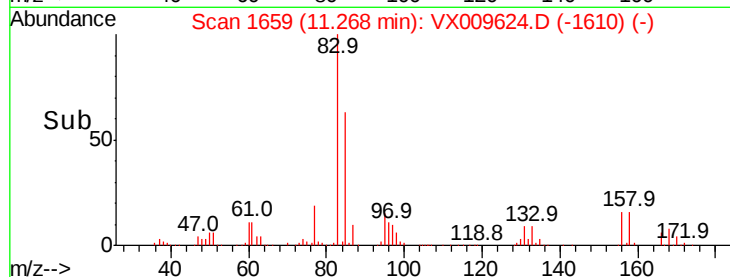
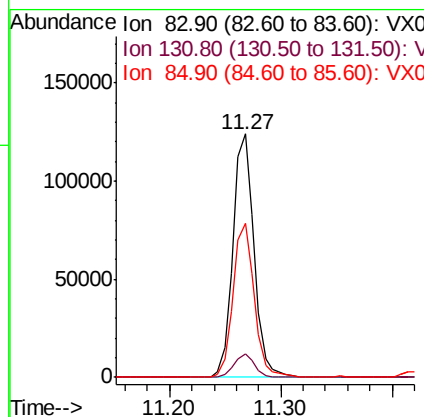
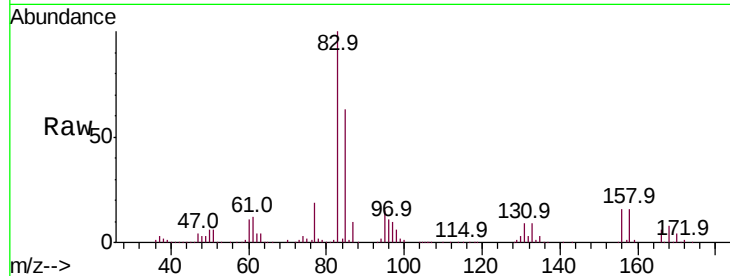
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161903
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.011 ug/l m

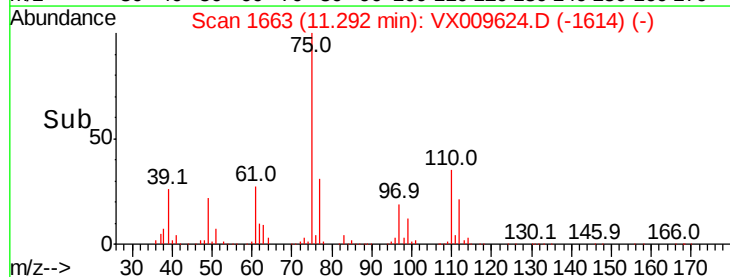
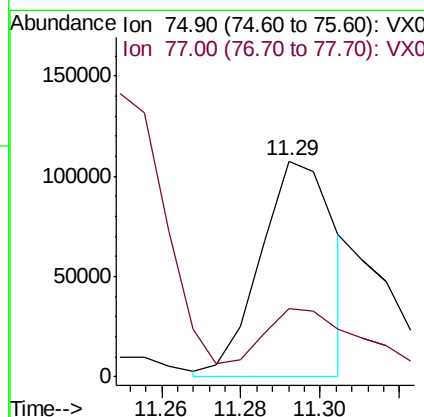
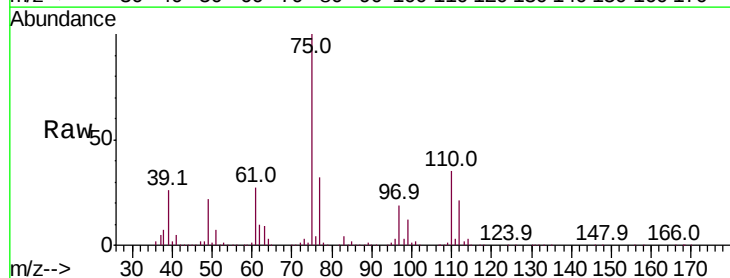
RT: 11.29 min Scan# 1663

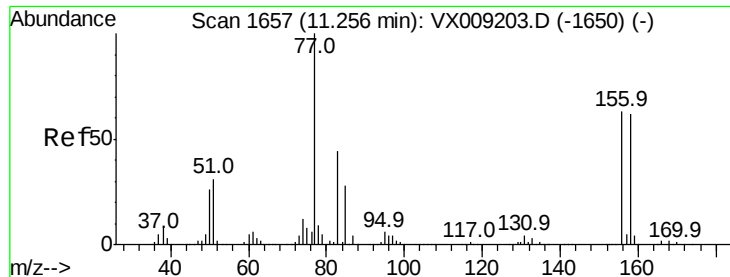
Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion:	75	Resp:	139333
Ion Ratio	Lower	Upper	
75	100		
77	43.9	22.1	66.1





#77

Bromobenzene

Concen: 49.102 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 106443

Ion Ratio Lower Upper

156 100

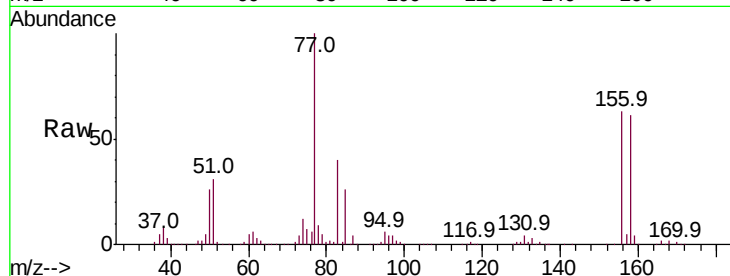
77 170.1 84.8 254.3

158 97.9 49.1 147.3

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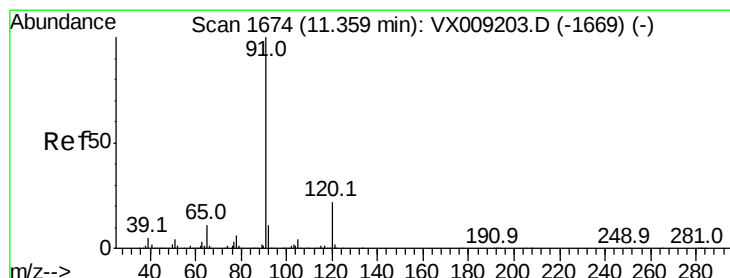
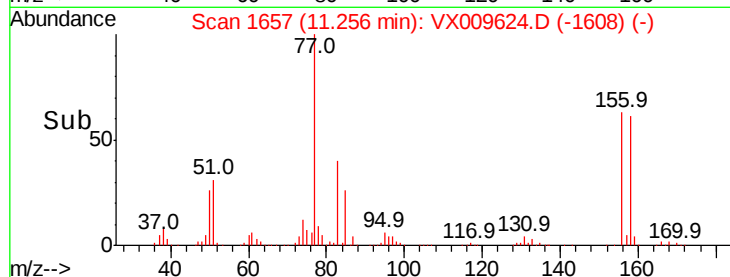
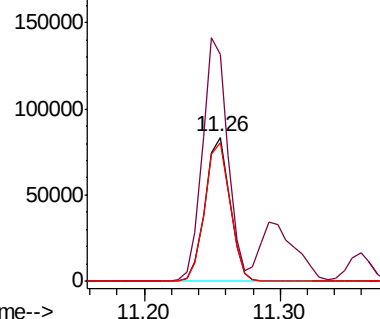
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.422 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009624.D

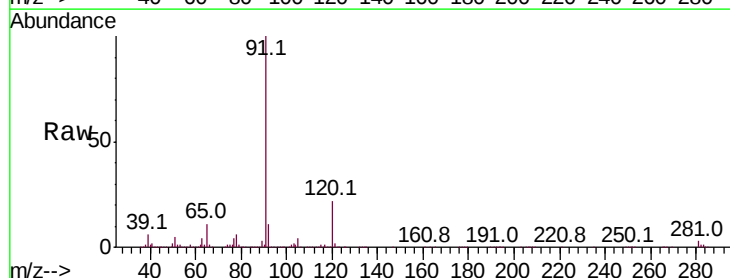
Acq: 16 May 2019 22:12

Tgt Ion: 91 Resp: 492962

Ion Ratio Lower Upper

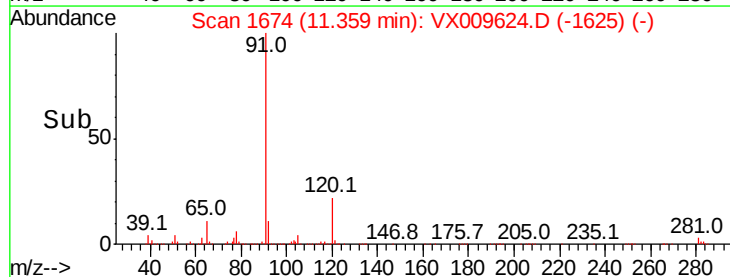
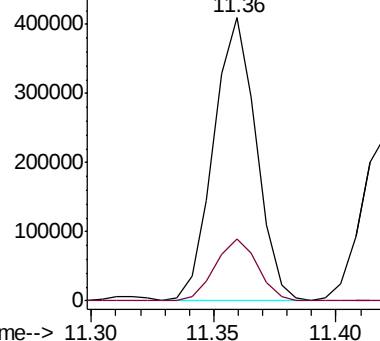
91 100

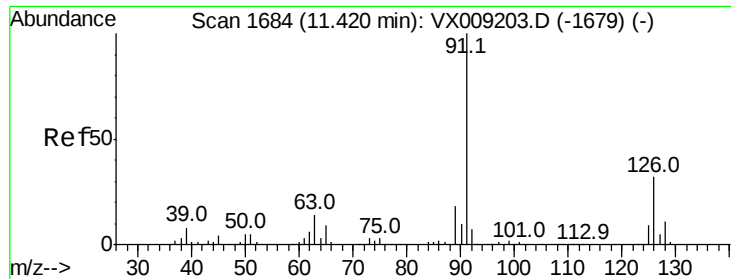
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.218 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 296725

Ion Ratio Lower Upper

91 100

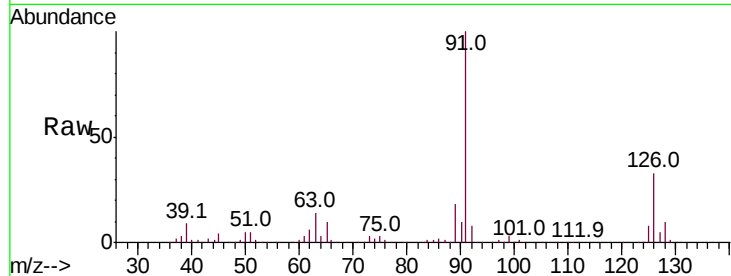
126 32.5 16.3 48.9

Manual Integrations

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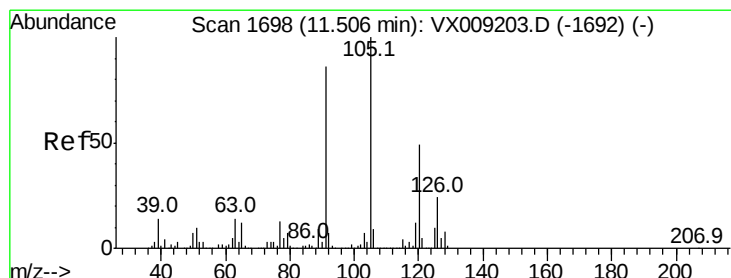
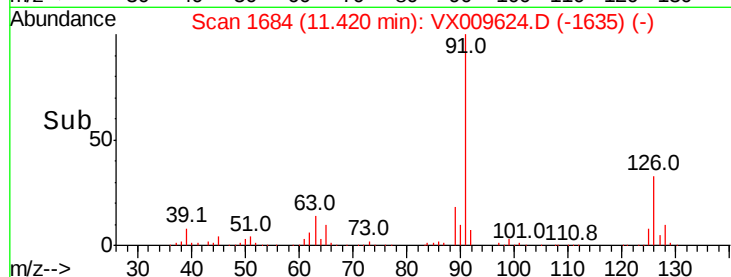
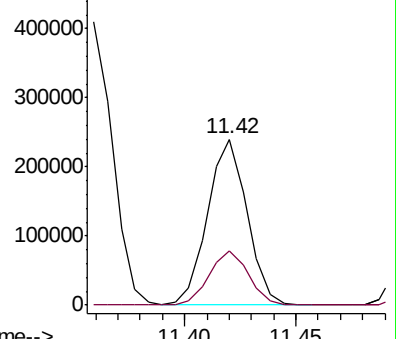
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.697 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009624.D

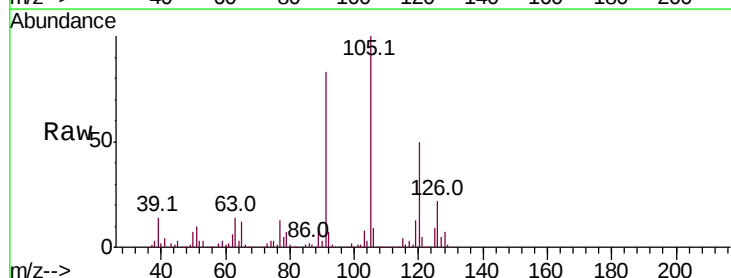
Acq: 16 May 2019 22:12

Tgt Ion: 105 Resp: 358123

Ion Ratio Lower Upper

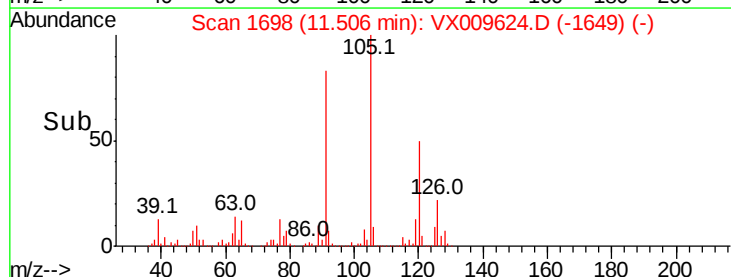
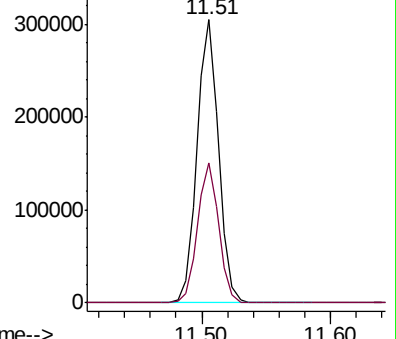
105 100

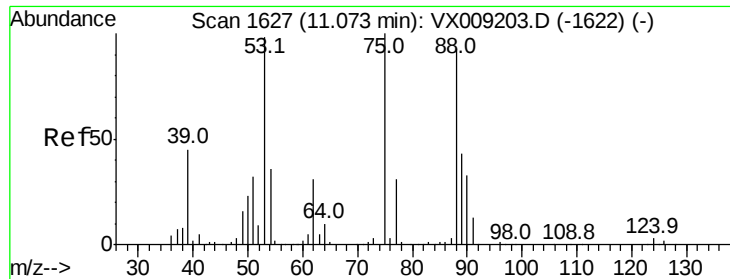
120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)





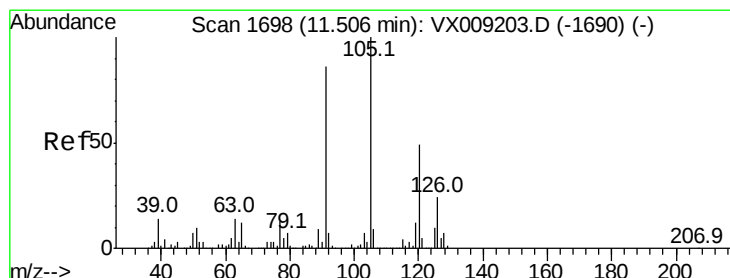
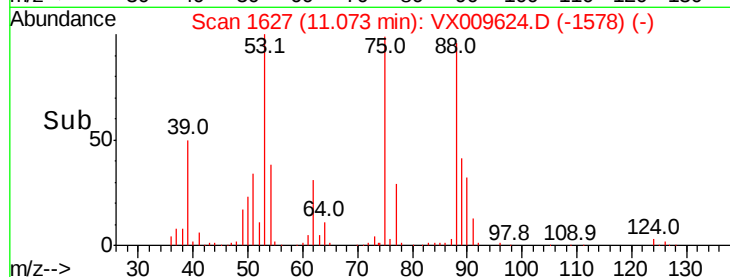
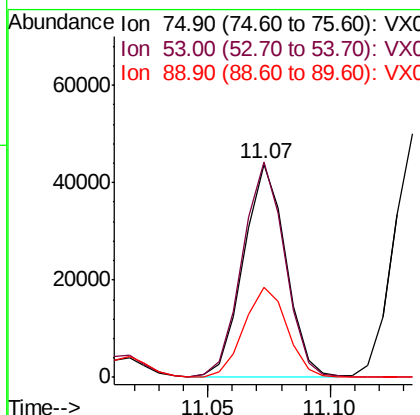
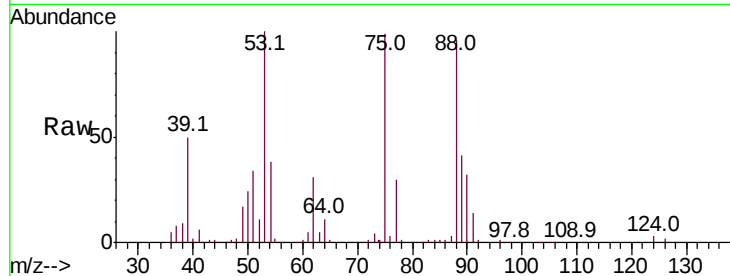
#81
trans-1,4-Dichloro-2-butene
Concen: 48.150 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	79.0	118.6
89	43.4	34.7	52.1

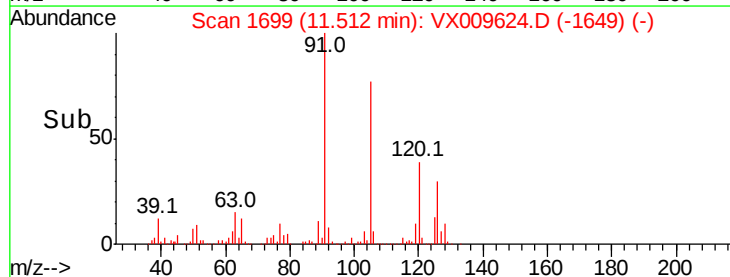
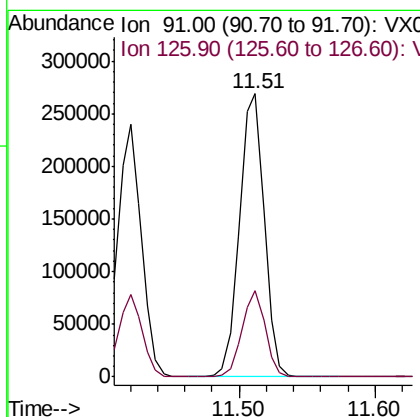
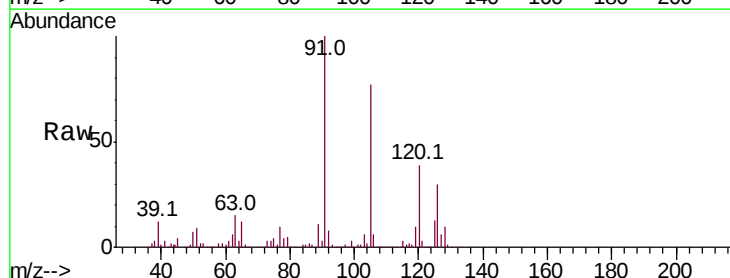
Manual Integrations
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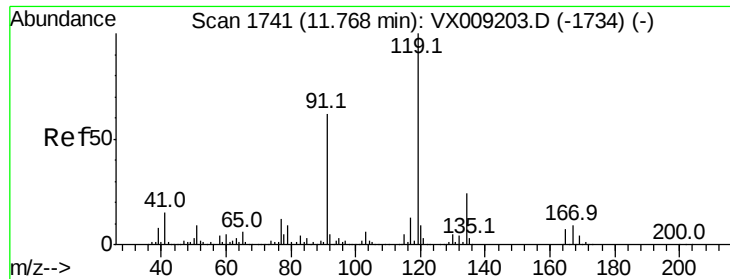
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#82
4-Chlorotoluene
Concen: 48.964 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6





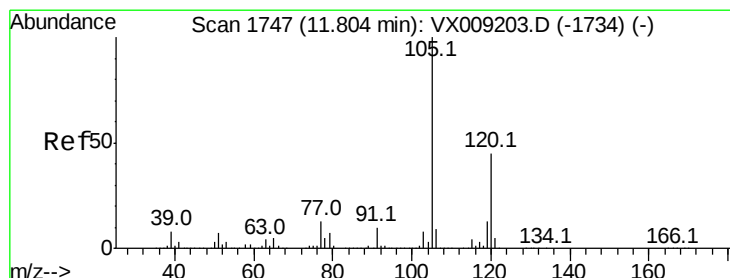
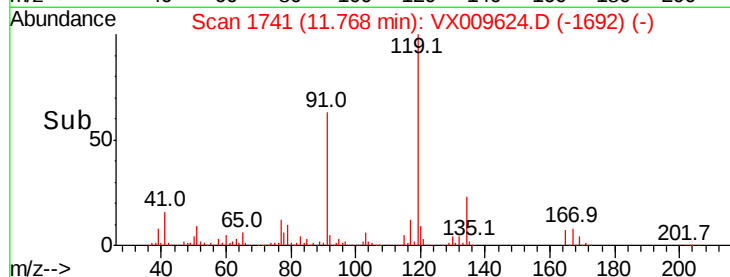
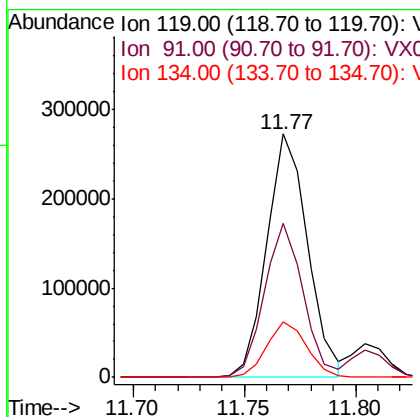
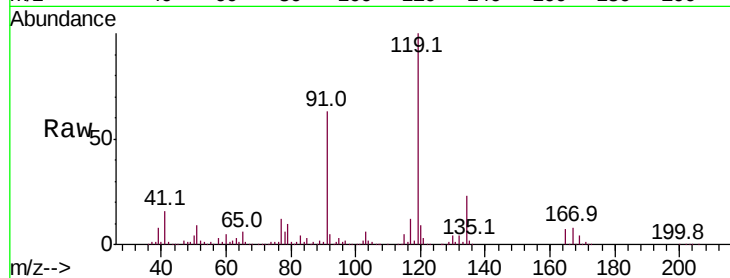
#83
 tert-Butylbenzene
 Concen: 48.606 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347722		
91	60.0	29.5	88.5	
134	22.4	11.4	34.1	

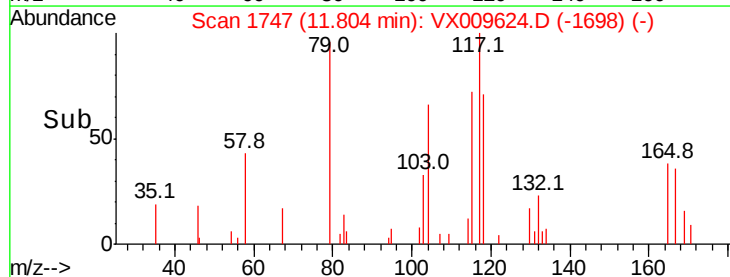
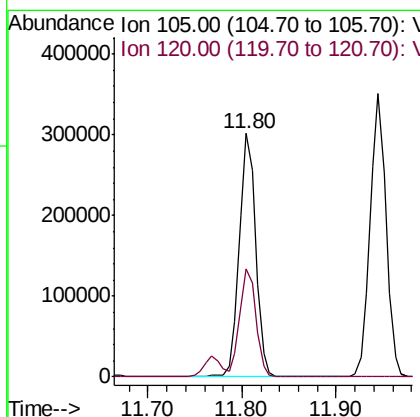
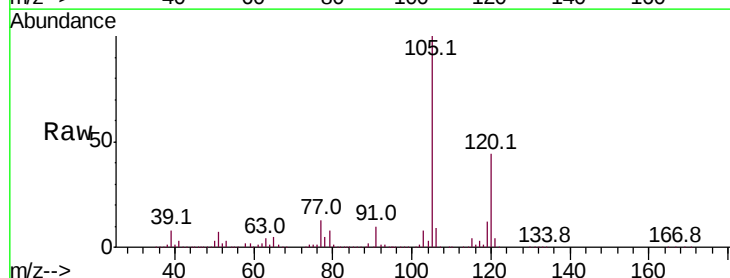
Manual Integrations
 APPROVED

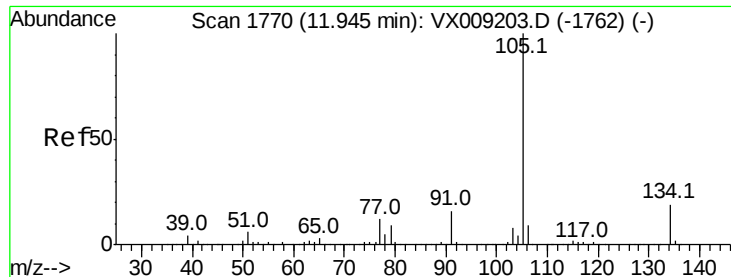
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.667 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366621		
120	43.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 48.764 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 413593

Ion Ratio Lower Upper

105 100

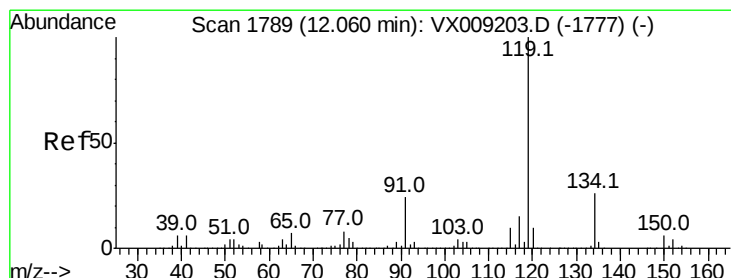
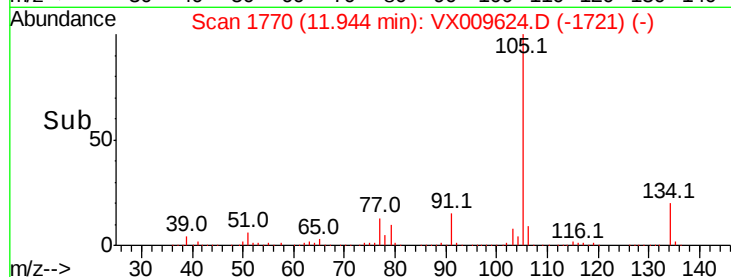
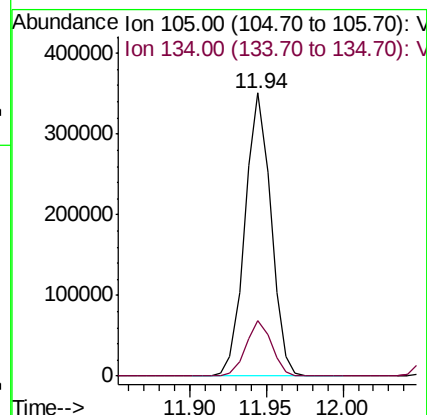
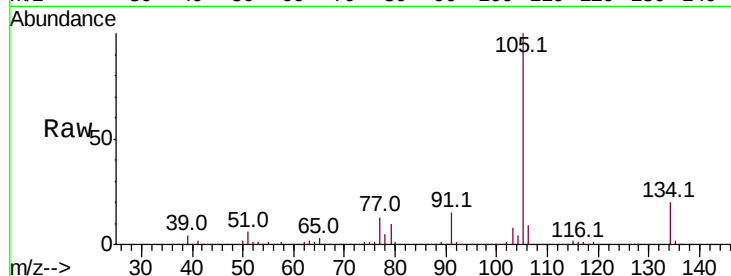
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.815 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

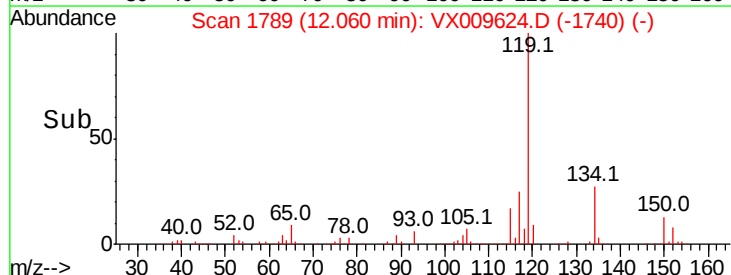
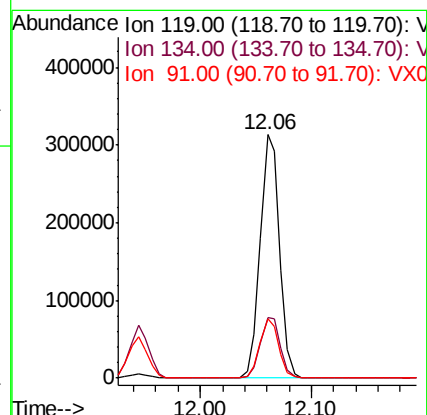
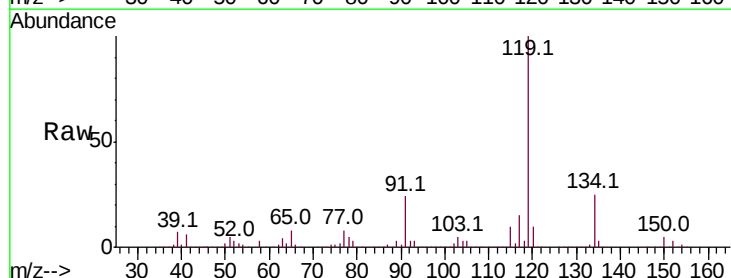
Tgt Ion:119 Resp: 379834

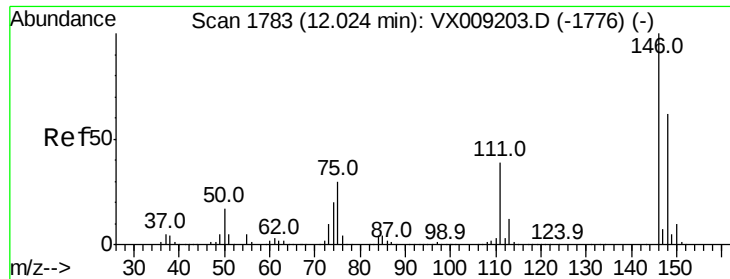
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.8 11.8 35.4





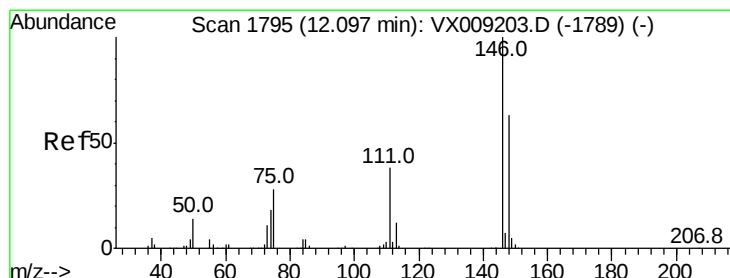
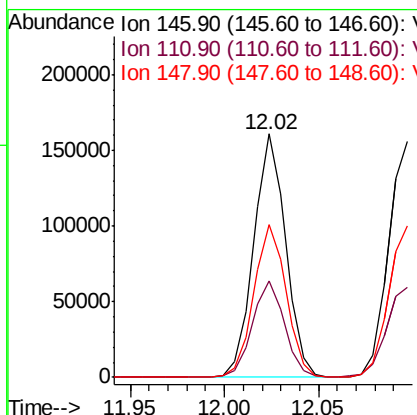
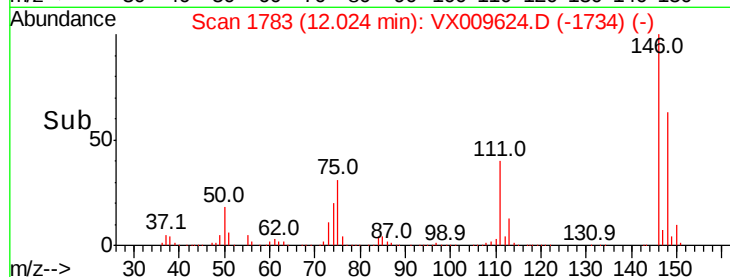
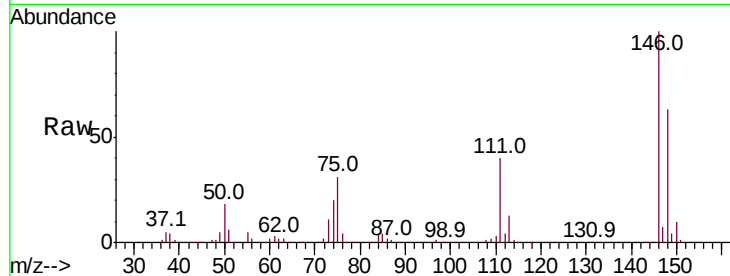
#87
 1,3-Dichlorobenzene
 Concen: 48.774 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.7	31.8	95.3

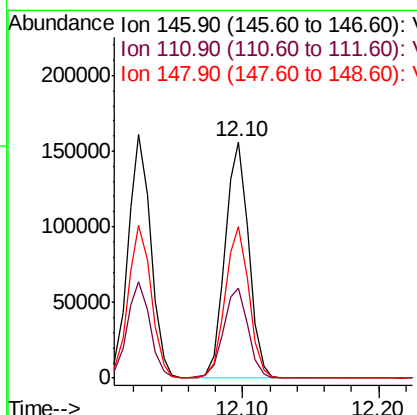
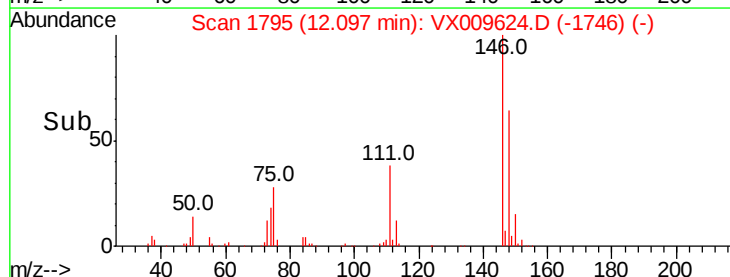
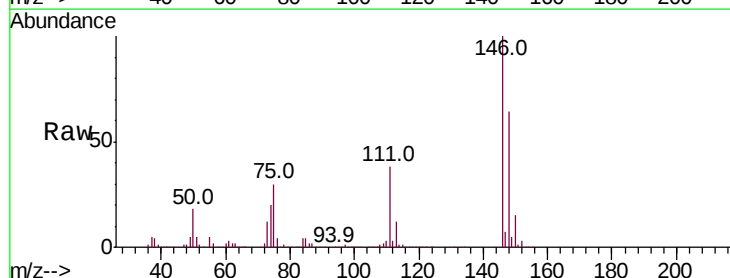
Manual Integrations
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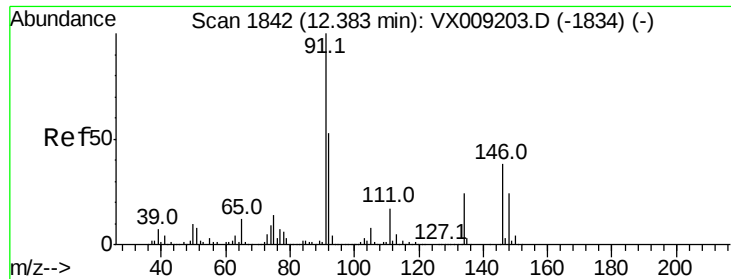
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.252 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	64.4	31.8	95.3





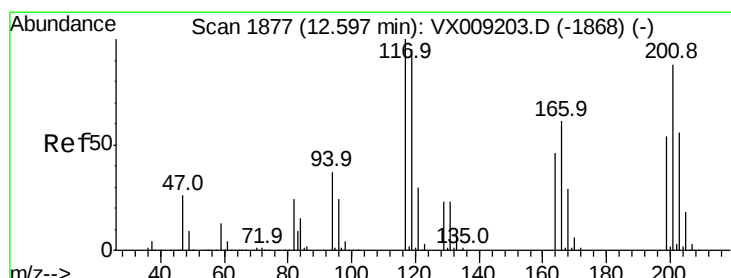
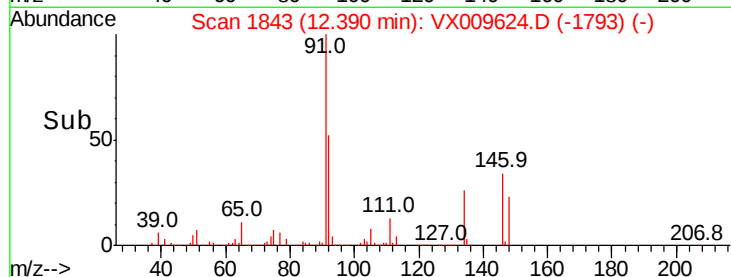
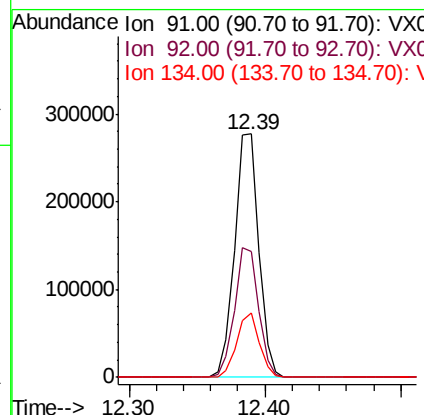
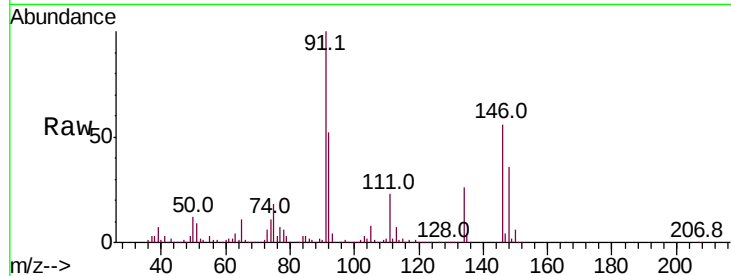
#89
n-Butylbenzene
Concen: 49.729 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.8	12.4	37.2

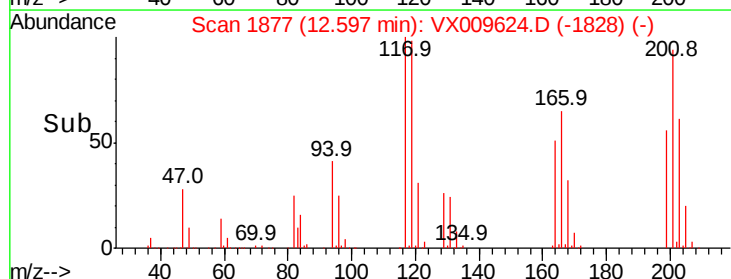
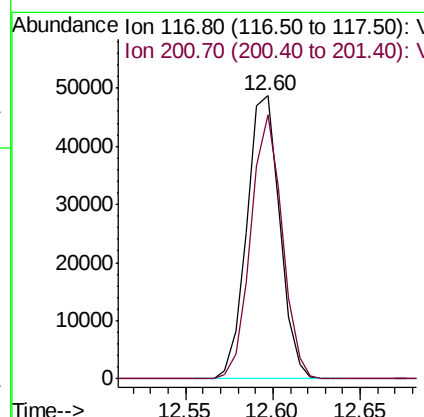
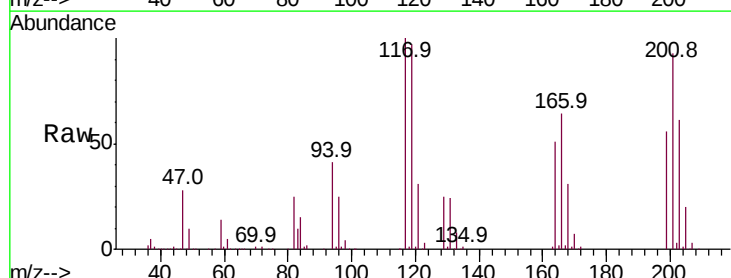
Manual Integrations
APPROVED

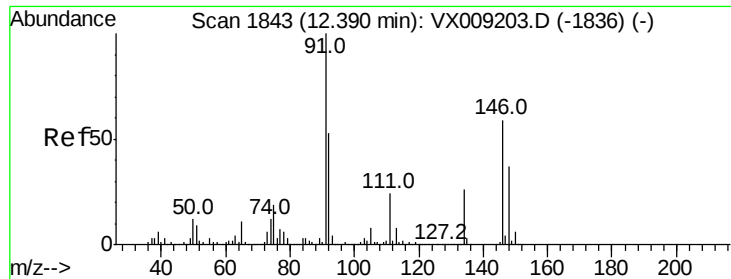
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#90
Hexachloroethane
Concen: 49.259 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009624.D
Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	42.3	126.9





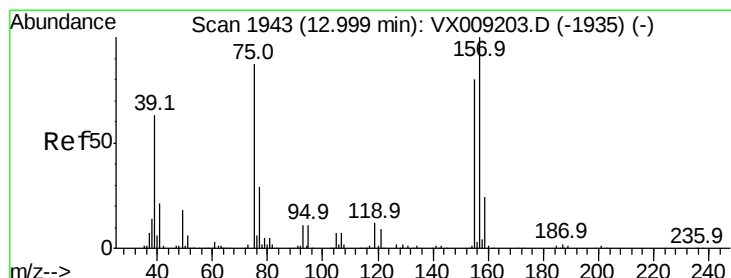
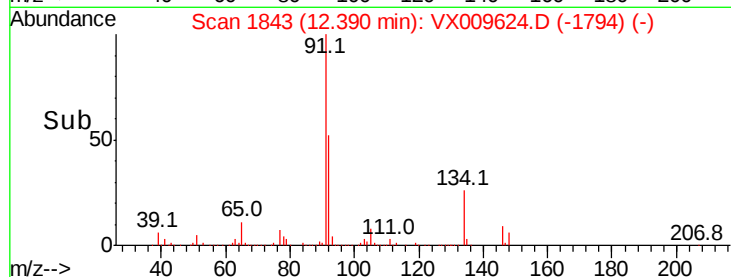
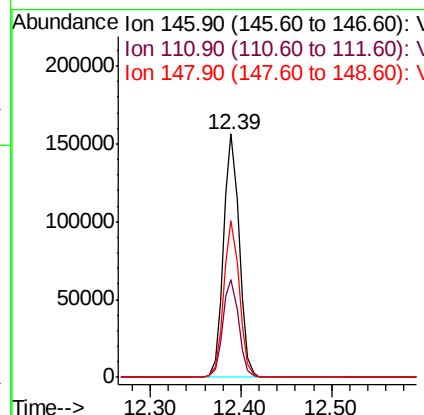
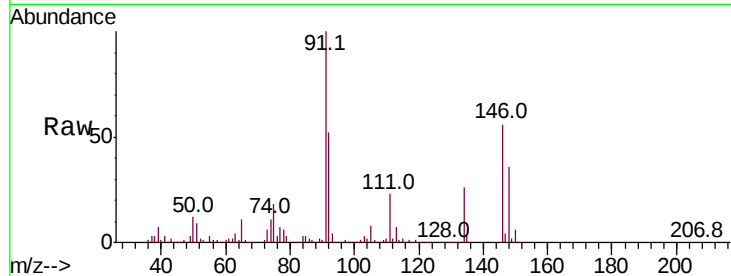
#91
 1,2-Dichlorobenzene
 Concen: 48.114 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189383		
111	40.8	20.8	62.4	
148	63.9	31.9	95.9	

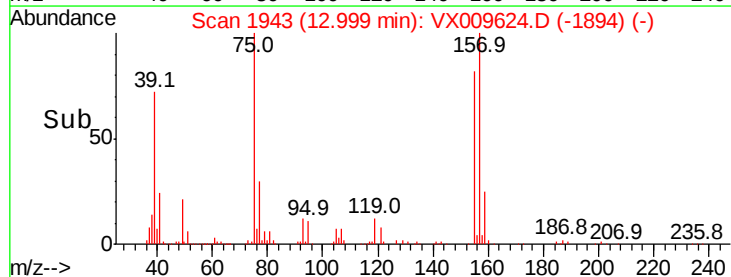
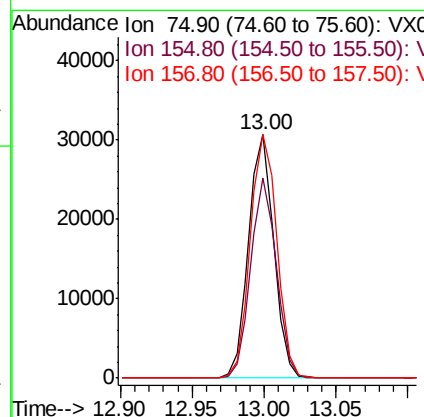
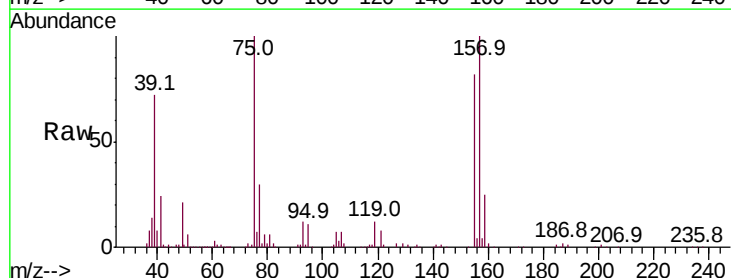
Manual Integrations
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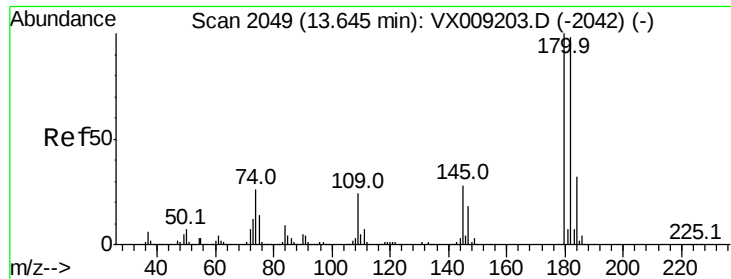
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.934 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37202		
155	82.7	42.0	126.0	
157	104.3	53.2	159.6	





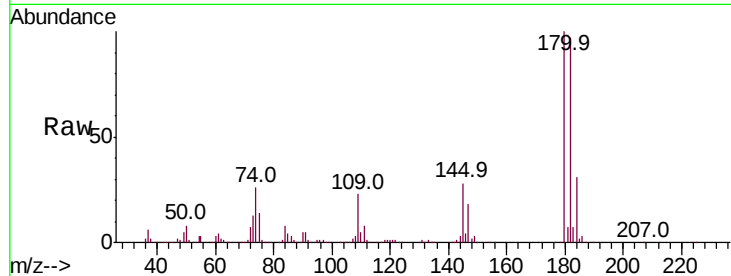
#93
 1,2,4-Trichlorobenzene
 Concen: 49.395 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

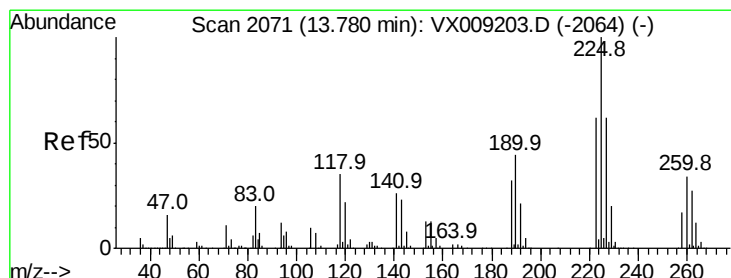
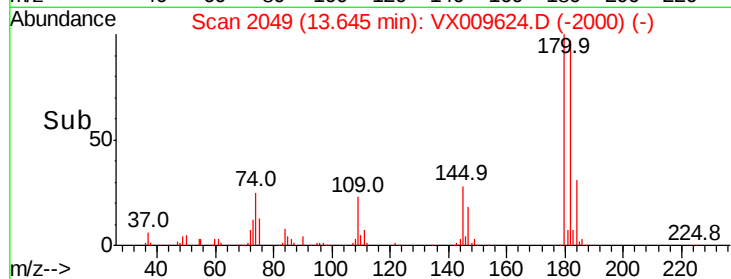
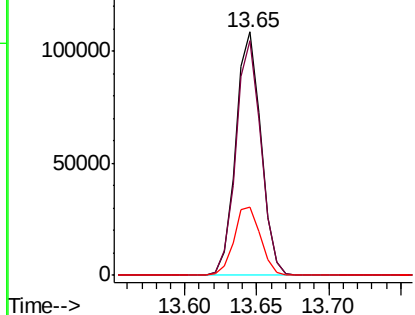
Tot Ion:	180	Resp:	132956
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.4	145.2
145	29.5	14.6	43.8

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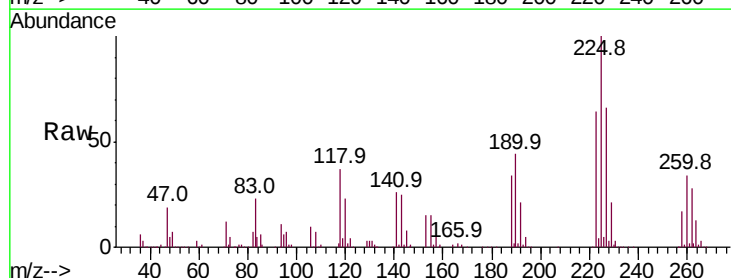


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

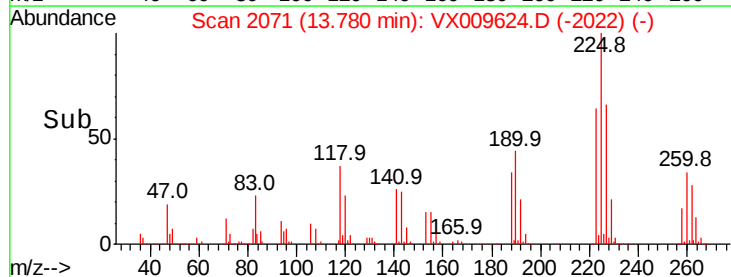
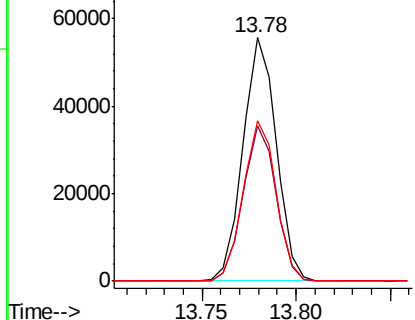


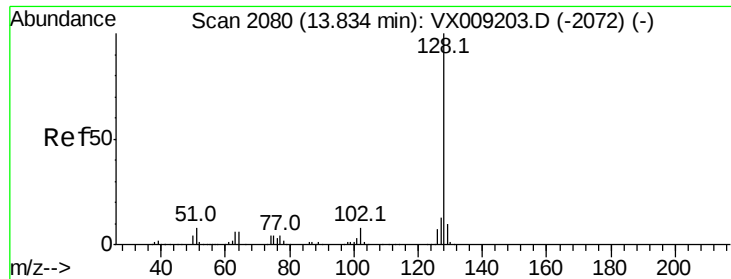
#94
 Hexachlorobutadiene
 Concen: 49.661 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009624.D
 Acq: 16 May 2019 22:12

Tgt Ion:	225	Resp:	68261
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.3	93.8
227	65.0	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.595 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Instrument :

MSVOA_X

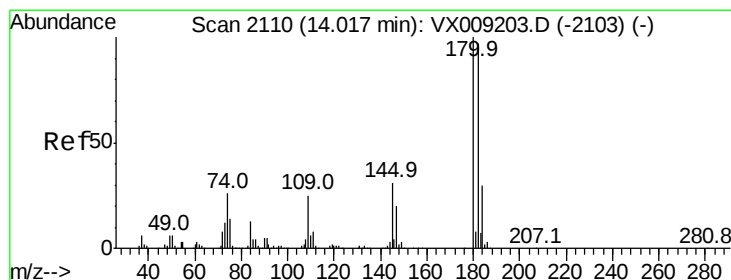
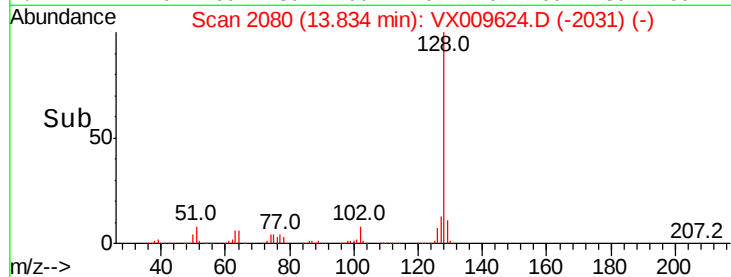
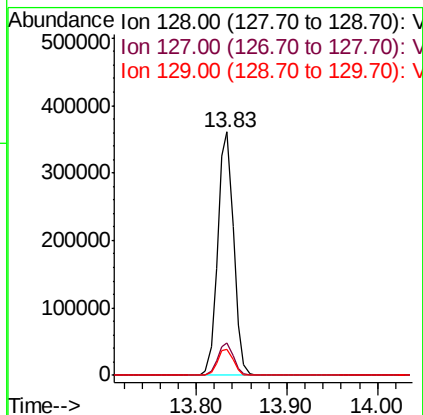
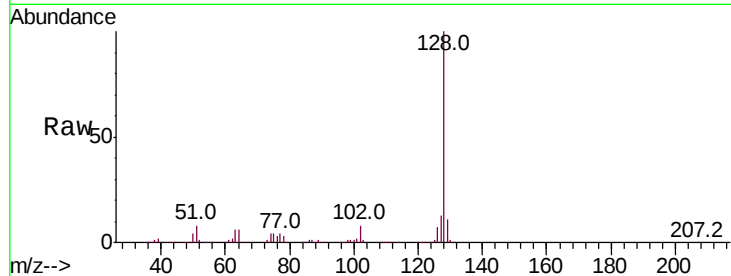
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	443071
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.856 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009624.D

Acq: 16 May 2019 22:12

Tgt Ion:	180	Resp:	136031
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.4
145	30.3	15.4	46.4

