

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009847.D
 Acq On : 23 May 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:01:47 AM

Quant Time: May 23 14:13:34 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	188831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299137	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115213	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	5.49	113	81524	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
50) Toluene-d8	8.71	98	336146	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
62) 4-Bromofluorobenzene	11.13	95	127260	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	70251	40.372	ug/l 99
3) Chloromethane	1.32	50	110284	46.422	ug/l 100
4) Vinyl Chloride	1.41	62	103913	44.856	ug/l 100
5) Bromomethane	1.64	94	65925	47.413	ug/l 95
6) Chloroethane	1.71	64	65087	43.761	ug/l 97
7) Trichlorofluoromethane	1.92	101	125083	44.419	ug/l 97
8) Diethyl Ether	2.19	74	60822	45.598	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76946	43.513	ug/l 99
10) Methyl Iodide	2.51	142	84579	41.977	ug/l 99
11) Tert butyl alcohol	3.06	59	136508	228.775	ug/l 99
12) 1,1-Dichloroethene	2.37	96	79204	44.703	ug/l 99
13) Acrolein	2.29	56	117352	217.165	ug/l 100
14) Allyl chloride	2.73	41	201279	46.616	ug/l 98
15) Acrylonitrile	3.14	53	326345	223.685	ug/l 100
16) Acetone	2.45	43	349932	252.812	ug/l 99
17) Carbon Disulfide	2.56	76	234338	47.109	ug/l 100
18) Methyl Acetate	2.77	43	142641	43.332	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	318364	46.272	ug/l 100
20) Methylene Chloride	2.85	84	98801	44.085	ug/l 96
21) trans-1,2-Dichloroethene	3.16	96	87899	45.745	ug/l 97
22) Diisopropyl ether	3.85	45	390363	47.011	ug/l 98
23) Vinyl Acetate	3.81	43	1760733	247.622	ug/l 98
24) 1,1-Dichloroethane	3.69	63	184247	44.979	ug/l 99
25) 2-Butanone	4.67	43	529418	246.133	ug/l 98
26) 2,2-Dichloropropane	4.58	77	142077	46.597	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	102682	44.770	ug/l 97
28) Bromochloromethane	5.01	49	92287	56.313	ug/l 96
29) Tetrahydrofuran	5.12	42	326594	235.957	ug/l 97
30) Chloroform	5.20	83	169052	45.630	ug/l 99
31) Cyclohexane	5.57	56	178021	46.711	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	137750	44.664	ug/l 99
36) 1,1-Dichloropropene	5.80	75	129340	46.527	ug/l 99
37) Ethyl Acetate	4.83	43	187651	48.448	ug/l 98
38) Carbon Tetrachloride	5.78	117	115734	45.822	ug/l 96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	163617	47.925	ug/l	97
40) Benzene	6.14	78	397431	46.195	ug/l	99
41) Methacrylonitrile	5.04	41	105709	45.848	ug/l	99
42) 1,2-Dichloroethane	6.19	62	146912	47.603	ug/l	99
43) Isopropyl Acetate	6.44	43	305300	49.278	ug/l	99
44) Trichloroethene	7.21	130	94707	45.535	ug/l	97
45) 1,2-Dichloropropane	7.51	63	115036	47.221	ug/l	100
46) Dibromomethane	7.66	93	64798	45.804	ug/l	99
47) Bromodichloromethane	7.90	83	133324	47.246	ug/l	97
48) Methyl methacrylate	7.77	41	155988	50.749	ug/l	98
49) 1,4-Dioxane	7.74	88	53735	862.039	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	995602	245.858	ug/l	99
52) Toluene	8.78	92	244658	46.782	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	160435	50.357	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	174165	49.389	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	97387	45.645	ug/l	97
56) Ethyl methacrylate	9.18	69	186211	48.892	ug/l	96
57) 1,3-Dichloropropane	9.37	76	174807	46.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	476421	235.800	ug/l	99
59) 2-Hexanone	9.49	43	786458	247.281	ug/l	97
60) Dibromochloromethane	9.58	129	99015	47.515	ug/l	99
61) 1,2-Dibromoethane	9.67	107	101307	47.038	ug/l	100
64) Tetrachloroethene	9.34	164	86014	45.107	ug/l	98
65) Chlorobenzene	10.13	112	258831	46.544	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	92501	45.881	ug/l	99
67) Ethyl Benzene	10.25	91	479740	46.875	ug/l	100
68) m/p-Xylenes	10.36	106	352743	94.317	ug/l	98
69) o-Xylene	10.69	106	171630	46.512	ug/l	99
70) Styrene	10.71	104	304386	47.460	ug/l	99
71) Bromoform	10.85	173	75754	46.237	ug/l #	99
73) Isopropylbenzene	11.02	105	459715	44.924	ug/l	100
74) N-amyl acetate	10.90	43	276777	46.392	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	161250	42.270	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145616m	44.609	ug/l	
77) Bromobenzene	11.26	156	113959	44.867	ug/l	99
78) n-propylbenzene	11.36	91	543083	46.470	ug/l	100
79) 2-Chlorotoluene	11.42	91	320006	44.382	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	394400	45.773	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57918	45.398	ug/l	97
82) 4-Chlorotoluene	11.51	91	378560	46.475	ug/l	98
83) tert-Butylbenzene	11.77	119	375504	44.799	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	400991	46.364	ug/l	99
85) sec-Butylbenzene	11.94	105	450318	45.315	ug/l	100
86) p-Isopropyltoluene	12.06	119	413179	46.249	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206965	45.709	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	208558	45.687	ug/l	99
89) n-Butylbenzene	12.38	91	395107	48.932	ug/l	100
90) Hexachloroethane	12.60	117	69150	45.433	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	202394	43.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36983	43.216	ug/l	96

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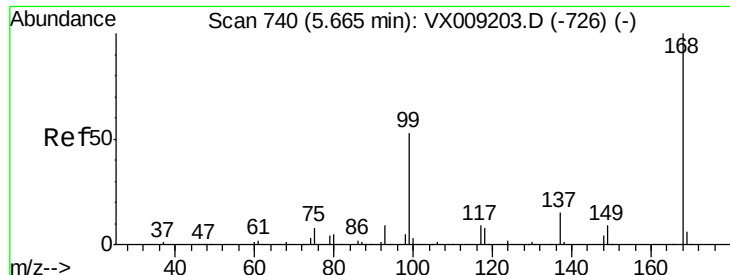
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	152269	48.282	ug/l	98
94) Hexachlorobutadiene	13.78	225	74905	46.511	ug/l	100
95) Naphthalene	13.83	128	460534	44.884	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149410	46.737	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: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188831

Ion Ratio Lower Upper

168 100

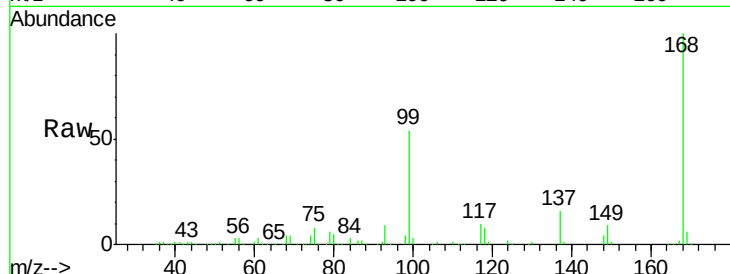
99 54.1 42.3 63.5

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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

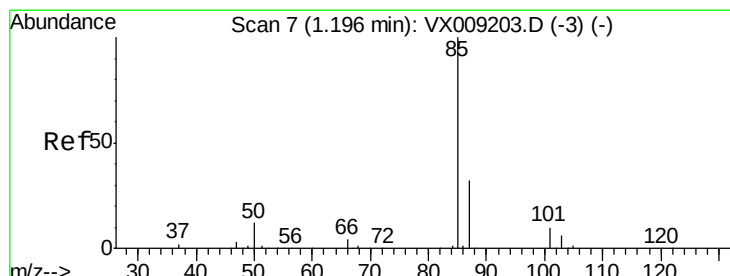
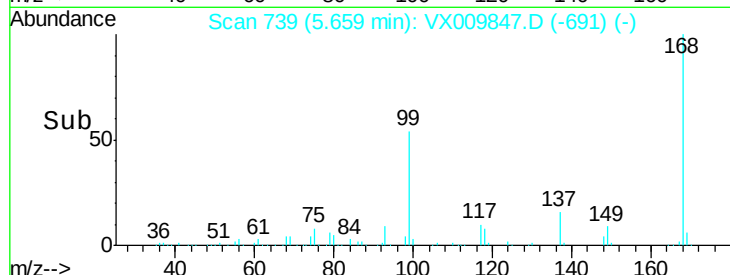
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.372 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009847.D

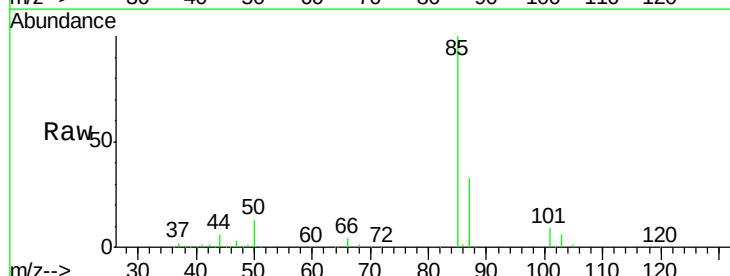
Acq: 23 May 2019 10:32

Tgt Ion: 85 Resp: 70251

Ion Ratio Lower Upper

85 100

87 32.6 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

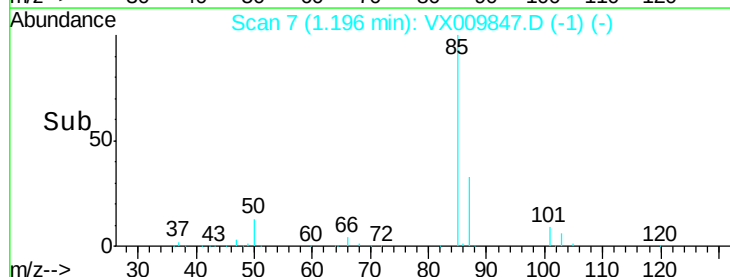
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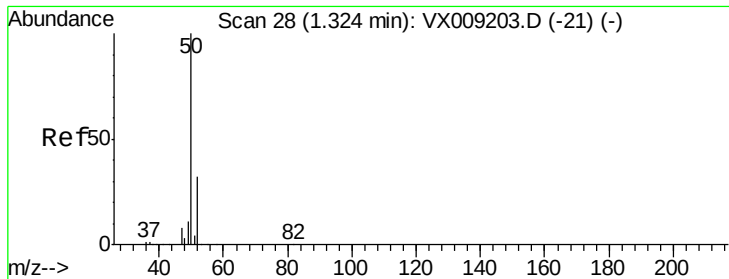
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.422 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 110284

Ion Ratio Lower Upper

50 100

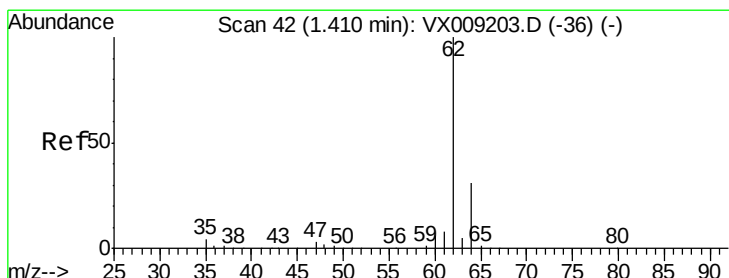
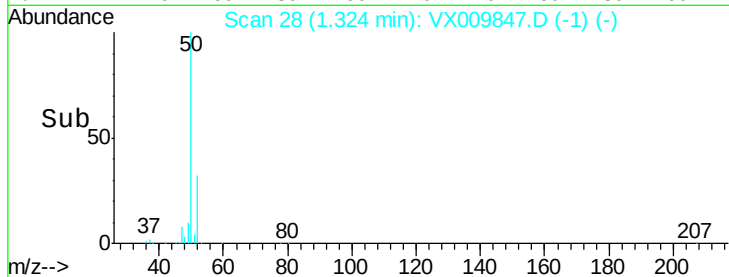
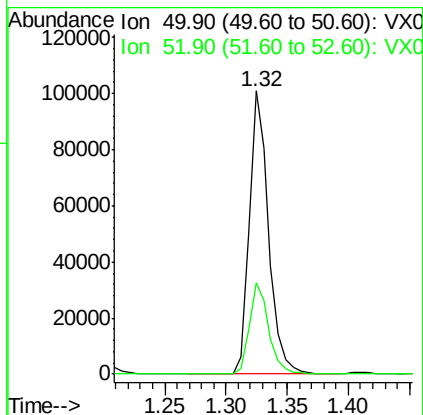
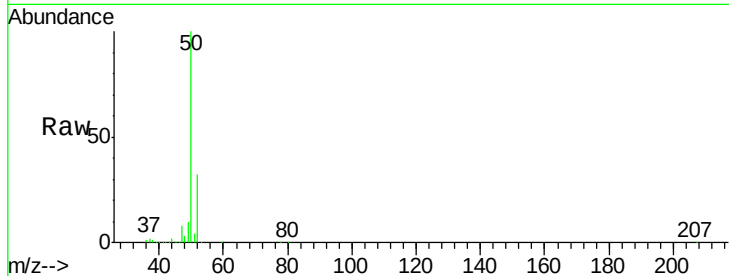
52 32.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 44.856 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009847.D

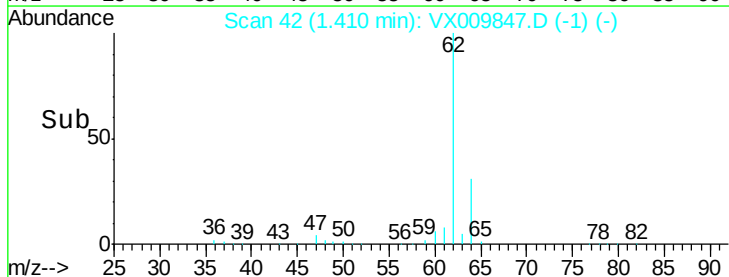
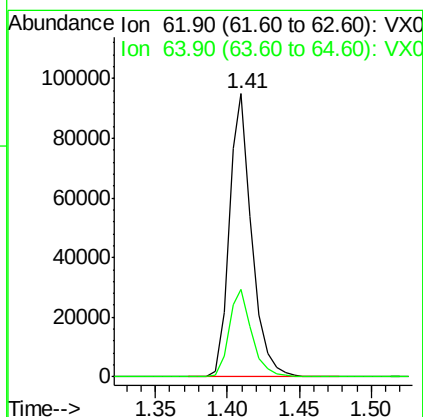
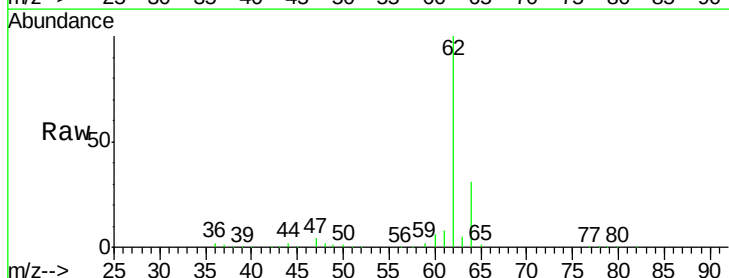
Acq: 23 May 2019 10:32

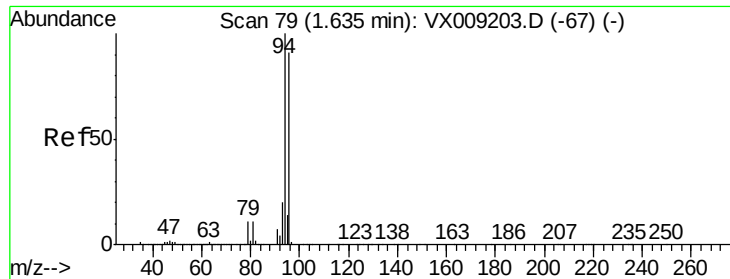
Tgt Ion: 62 Resp: 103913

Ion Ratio Lower Upper

62 100

64 30.8 24.6 36.8





#5

Bromomethane

Concen: 47.413 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65925

Ion Ratio Lower Upper

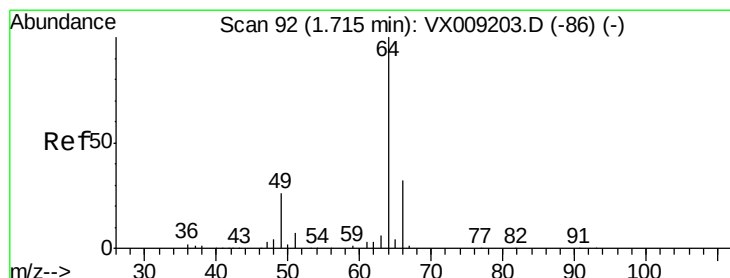
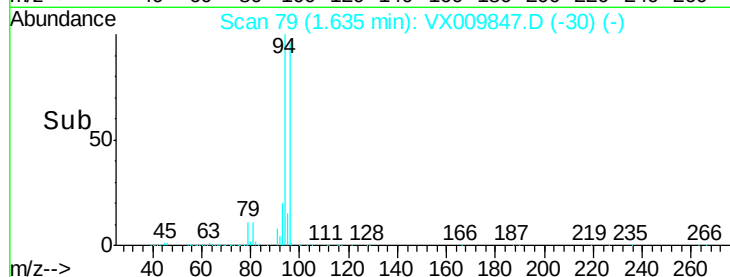
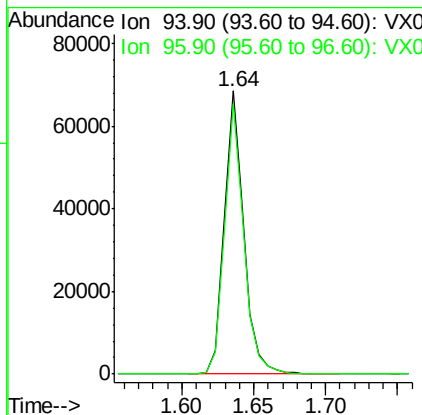
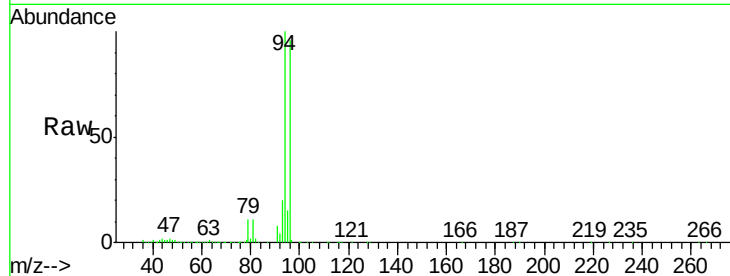
94 100

96 95.6 73.0 109.6

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#6

Chloroethane

Concen: 43.761 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009847.D

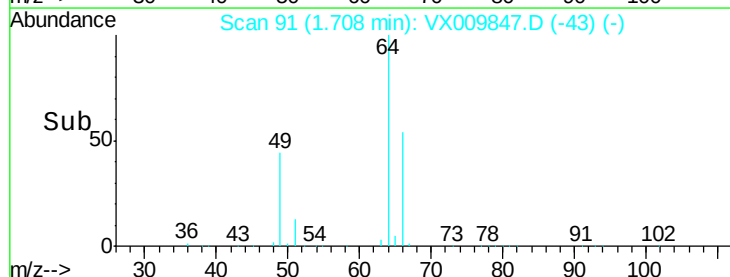
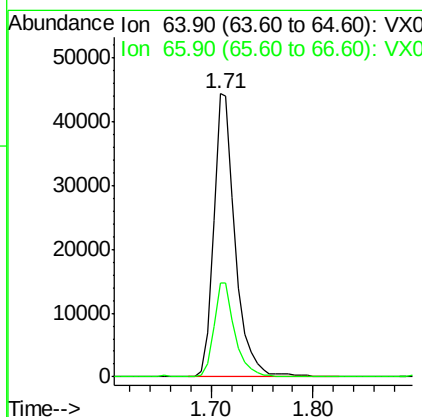
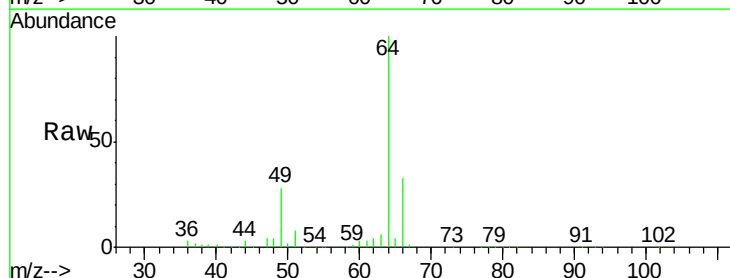
Acq: 23 May 2019 10:32

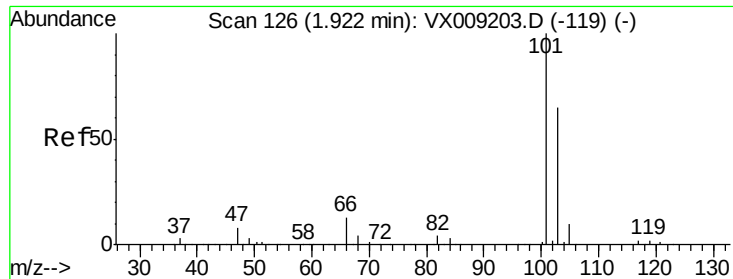
Tgt Ion: 64 Resp: 65087

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9





#7

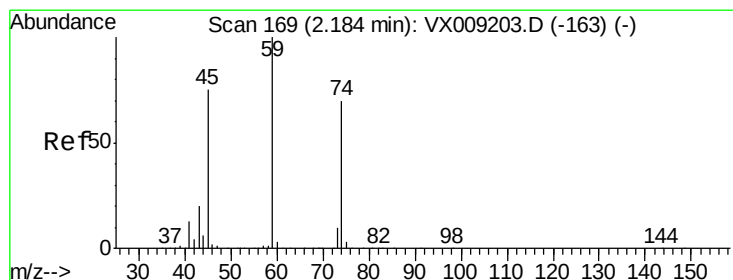
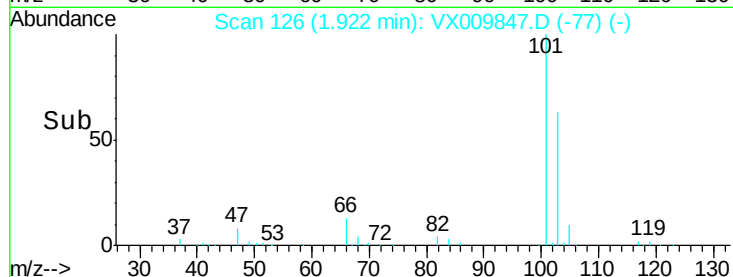
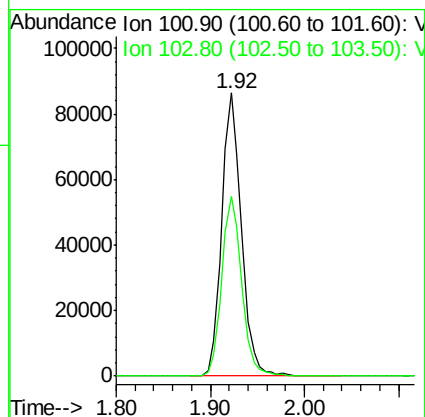
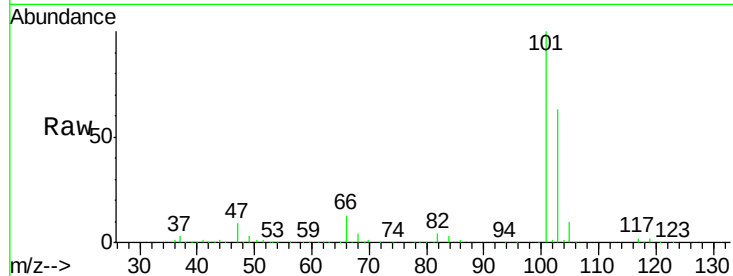
Trichlorofluoromethane
Concen: 44.419 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 125083
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

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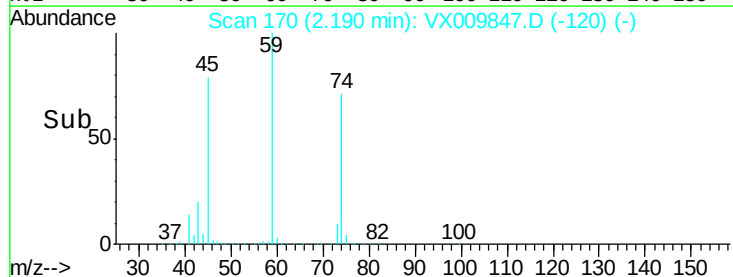
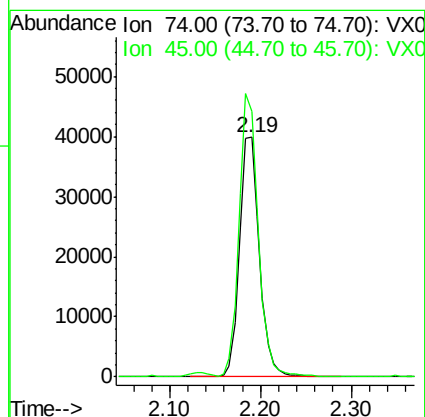
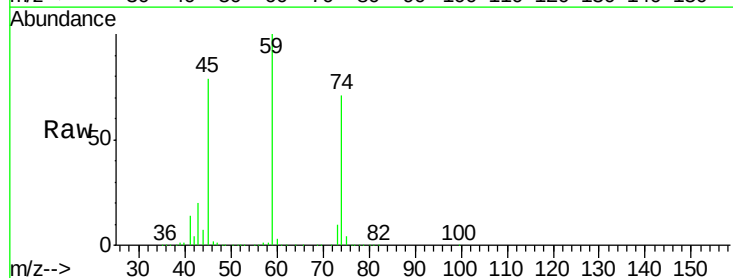
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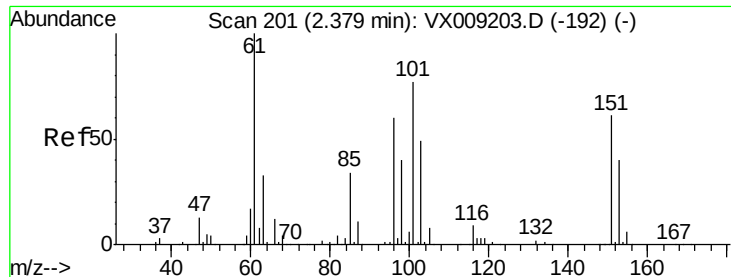


#8

Diethyl Ether
Concen: 45.598 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion: 74 Resp: 60822
Ion Ratio Lower Upper
74 100
45 112.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.513 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

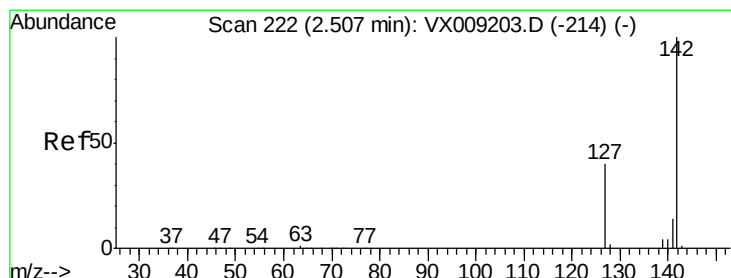
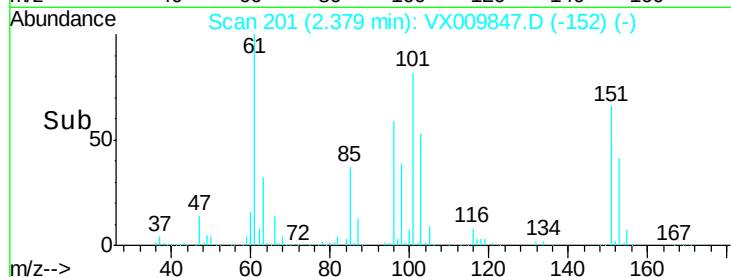
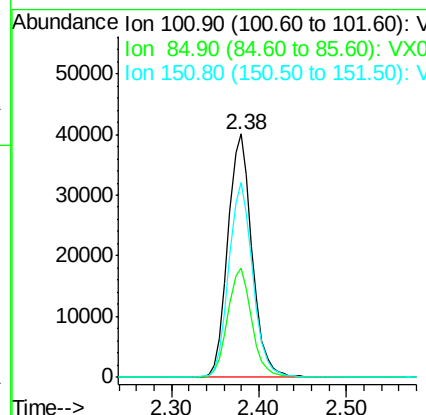
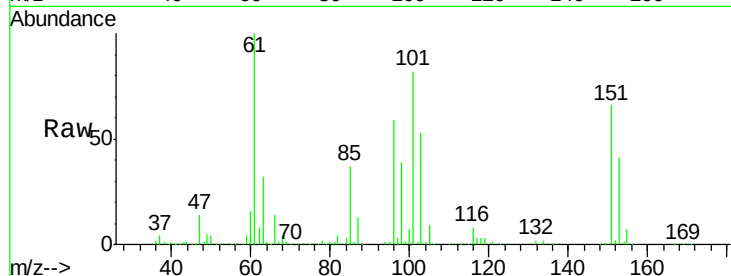
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	76946
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.7	53.5
151	79.5	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 41.977 ug/l

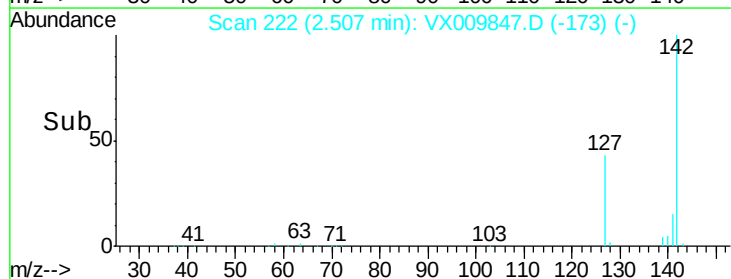
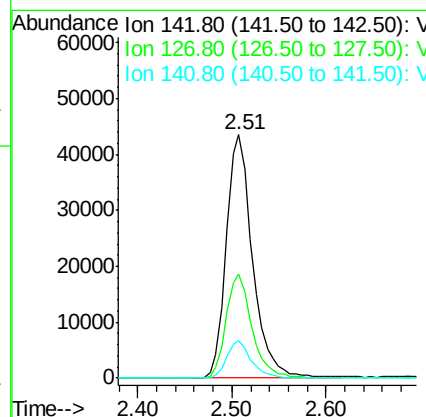
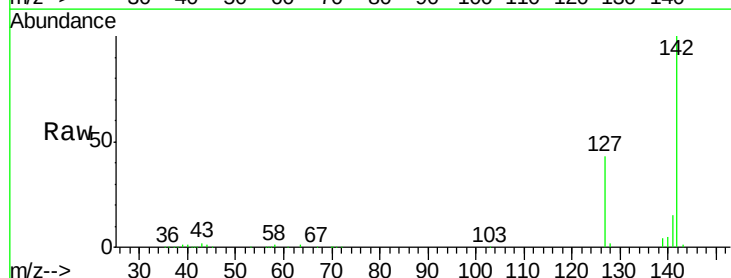
RT: 2.51 min Scan# 222

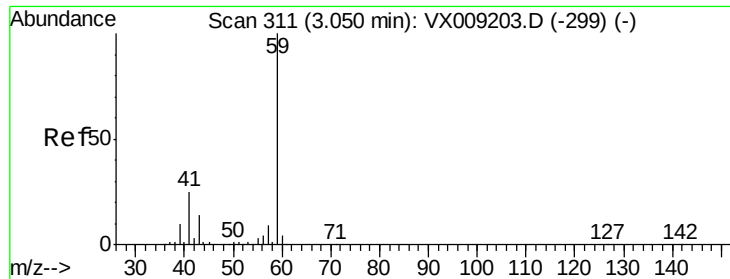
Delta R.T. 0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	142	Resp:	84579
Ion	Ratio	Lower	Upper
142	100		
127	42.0	32.7	49.1
141	14.6	11.5	17.3





#11

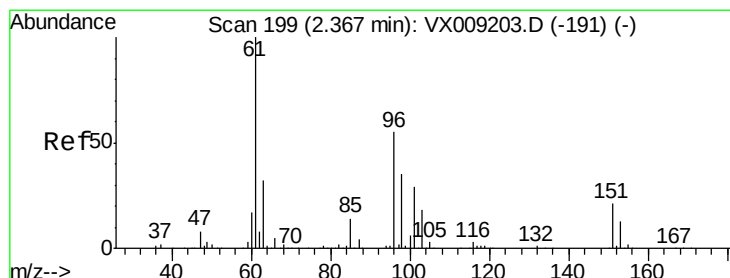
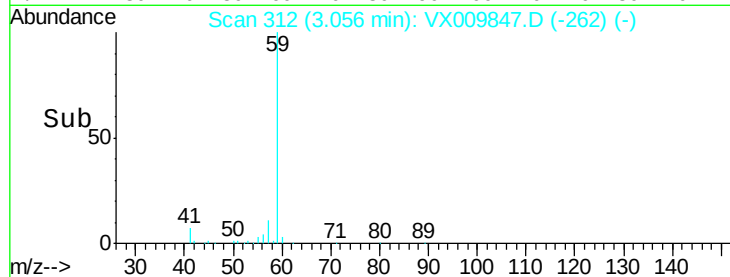
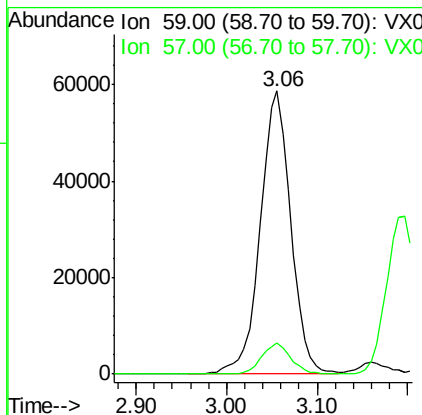
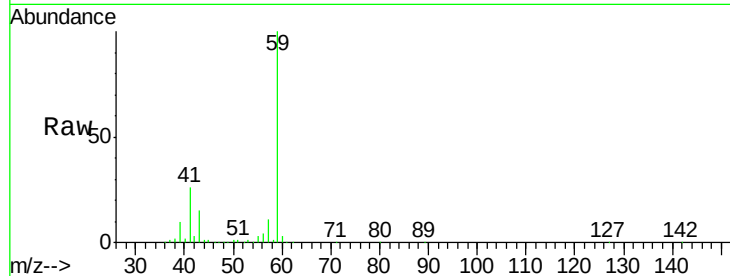
Tert butyl alcohol
Concen: 228.775 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	136508	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.5	Resp	136508	Lower	8.2	Upper	12.2

Manual Integrations
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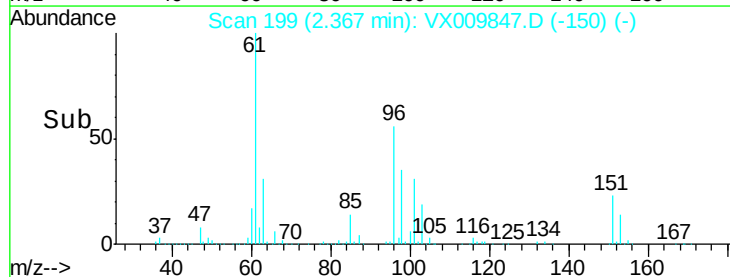
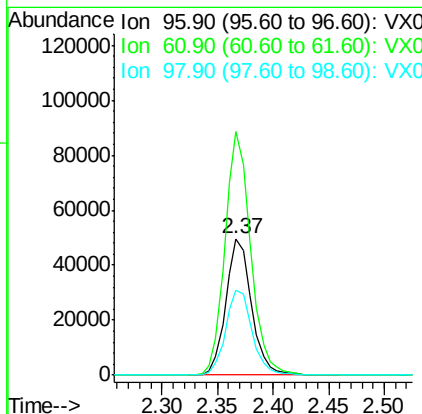
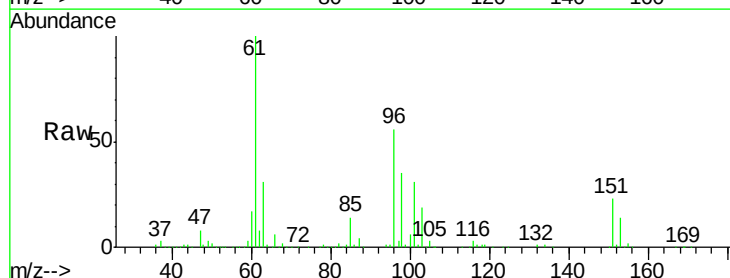
MMDadoda
5/24/2019 9:01:47 AM

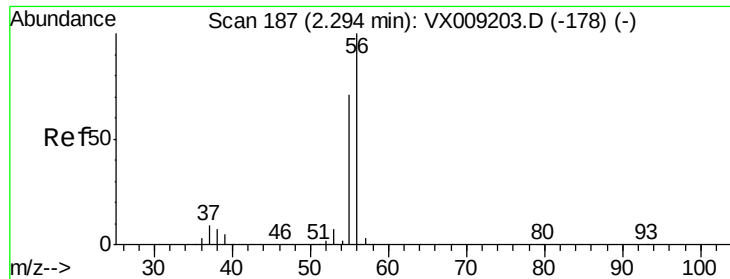


#12

1,1-Dichloroethene
Concen: 44.703 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	96	61	98	Ratio	100	178.6	61.9	Resp	79204	Lower	144.3	50.3	Upper	216.5	75.5
Ion	96	61	98	Ratio	100	178.6	61.9	Resp	79204	Lower	144.3	50.3	Upper	216.5	75.5





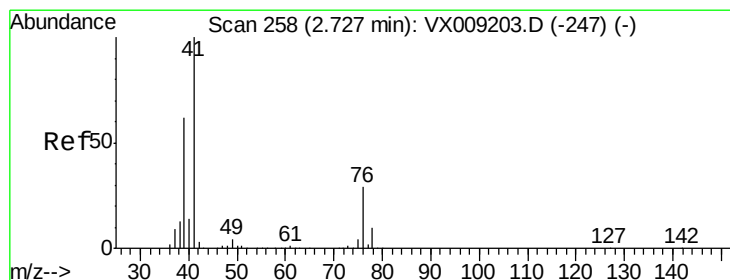
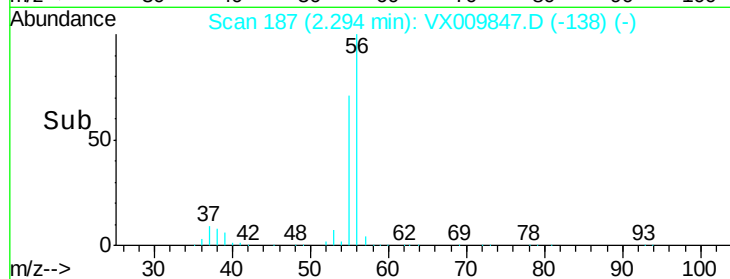
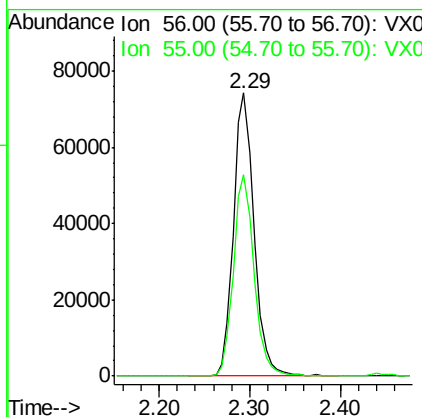
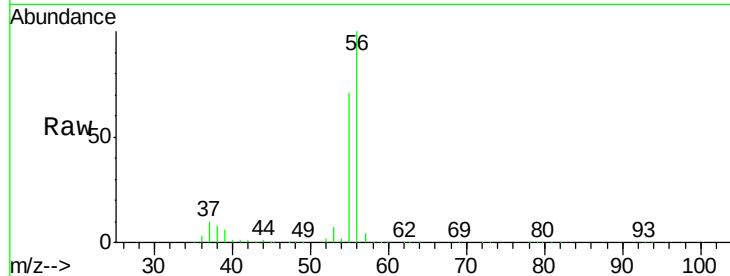
#13
Acrolein
Concen: 217.165 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

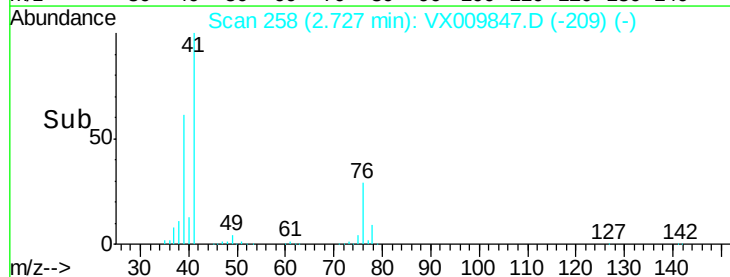
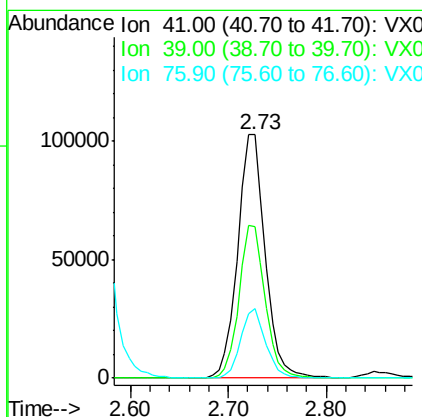
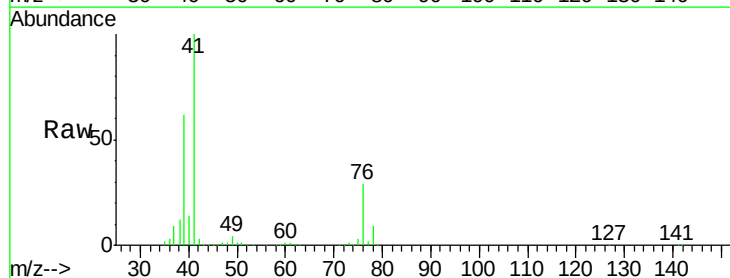
Manual Integrations
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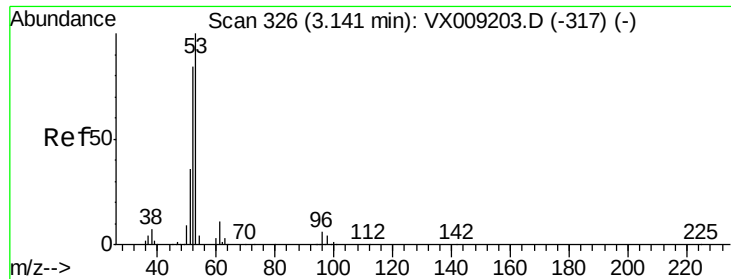
MMDadoda
5/24/2019 9:01:47 AM



#14
Allyl chloride
Concen: 46.616 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.7	46.7	70.1
76	25.9	21.8	32.8





#15

Acrylonitrile

Concen: 223.685 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

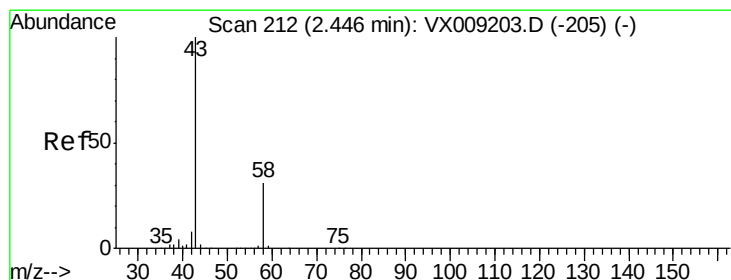
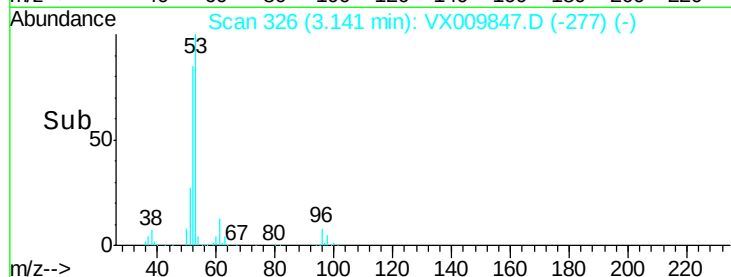
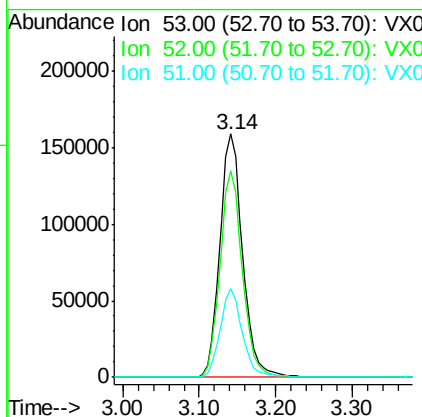
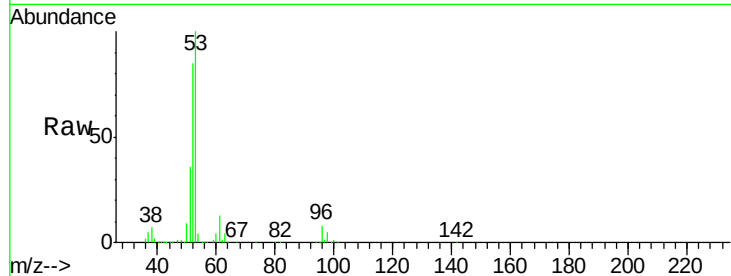
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	326345
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 252.812 ug/l

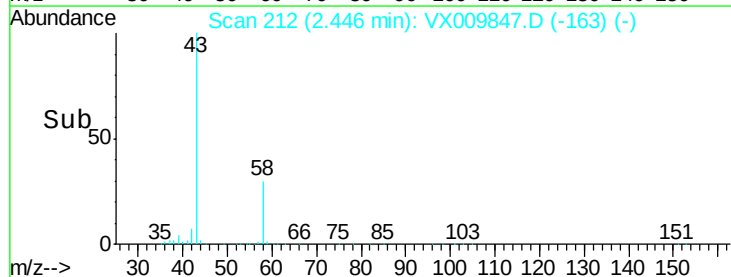
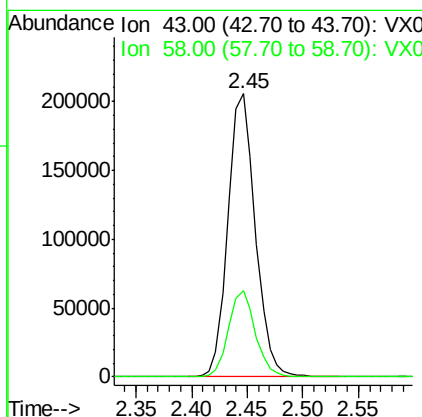
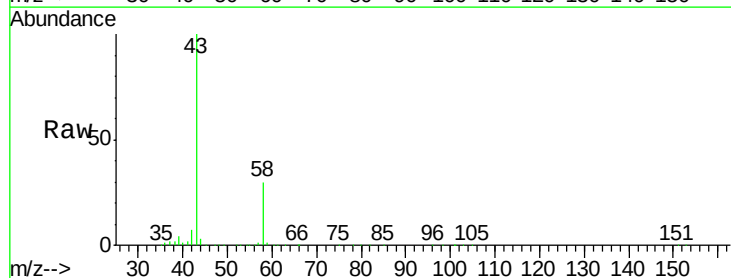
RT: 2.45 min Scan# 212

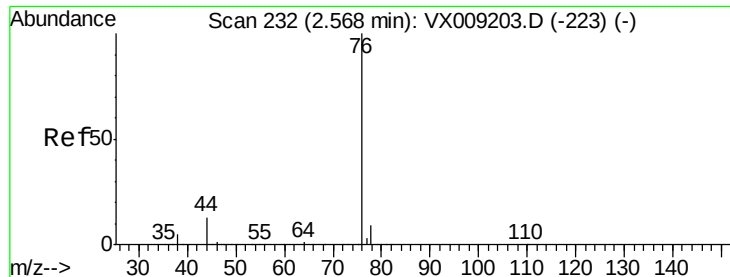
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	43	Resp:	349932
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 47.109 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 234338

Ion Ratio Lower Upper

76 100

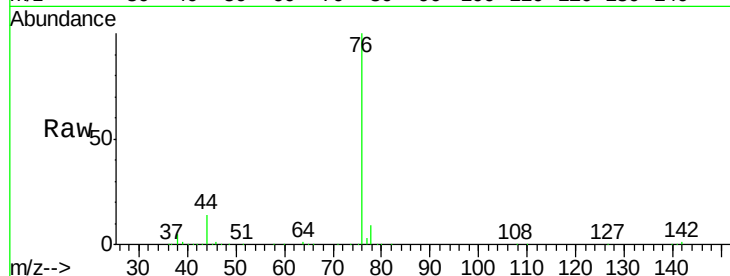
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

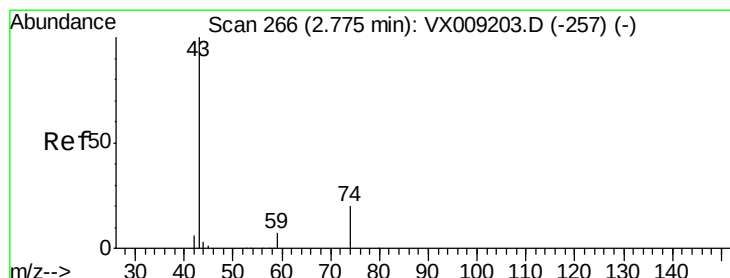
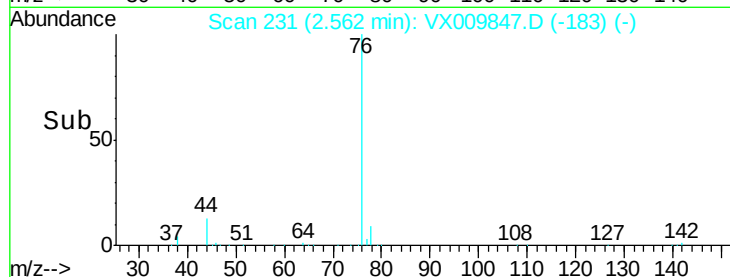
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.332 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009847.D

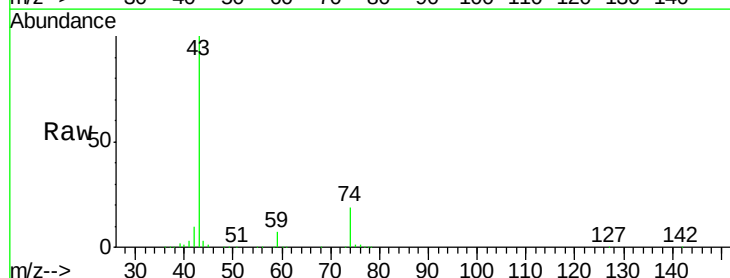
Acq: 23 May 2019 10:32

Tgt Ion: 43 Resp: 142641

Ion Ratio Lower Upper

43 100

74 19.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

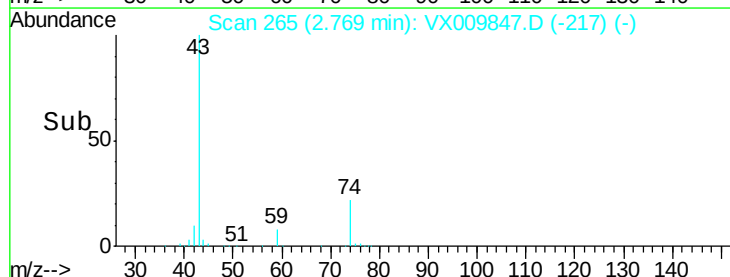
60000

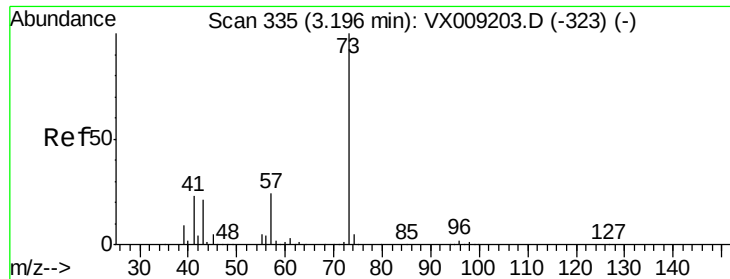
40000

20000

0

Time-->





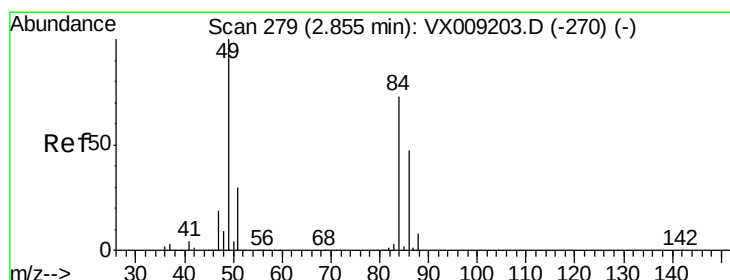
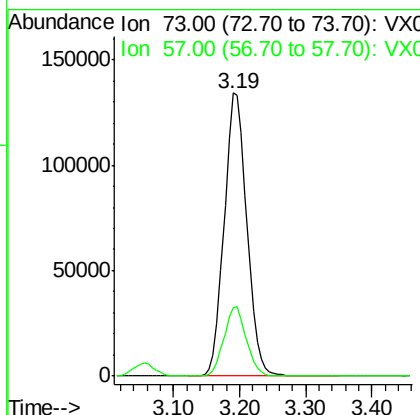
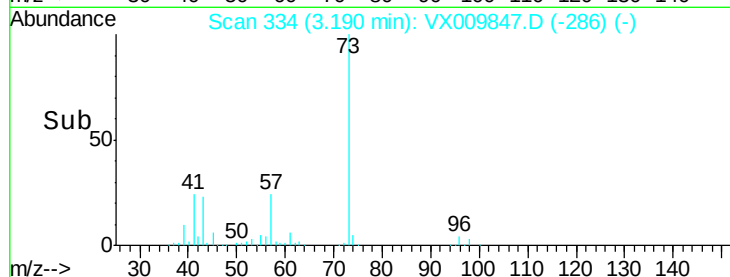
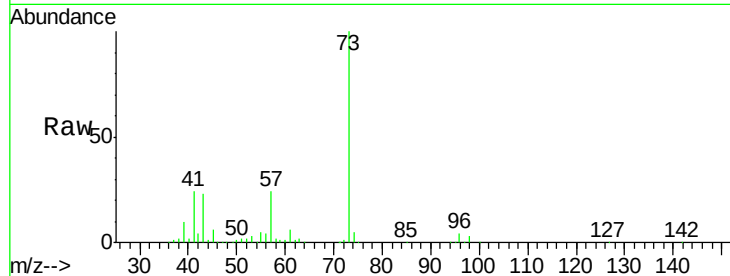
#19
Methyl tert-butyl Ether
Concen: 46.272 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.3	28.9

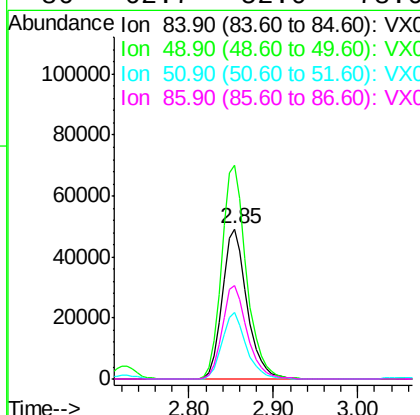
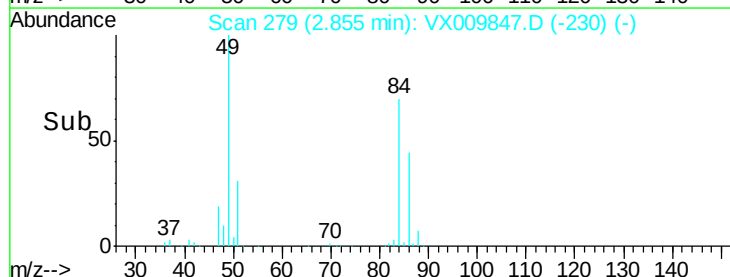
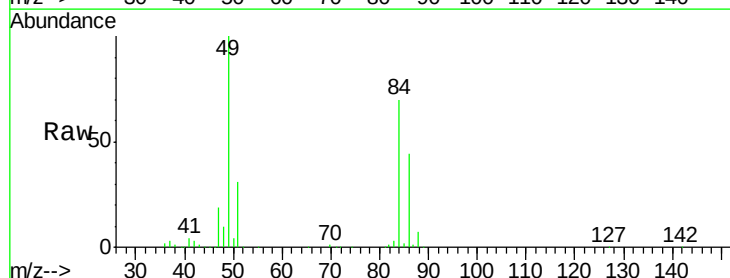
Manual Integrations
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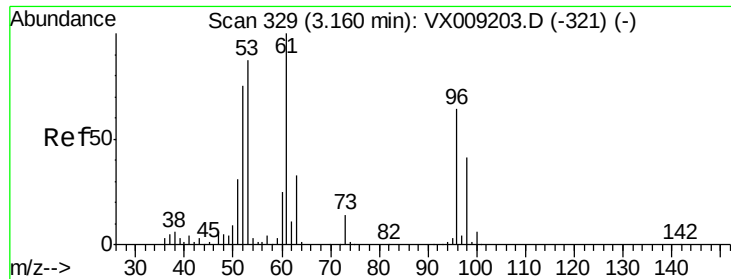
MMDadoda
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#20
Methylene Chloride
Concen: 44.085 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.6	109.9	164.9
51	44.6	32.7	49.1
86	62.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 45.745 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

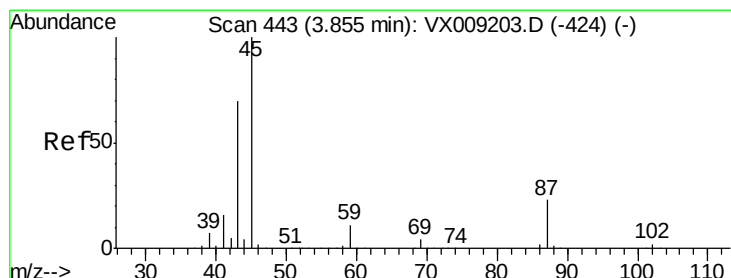
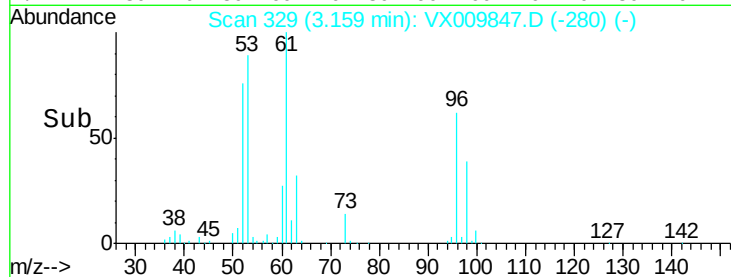
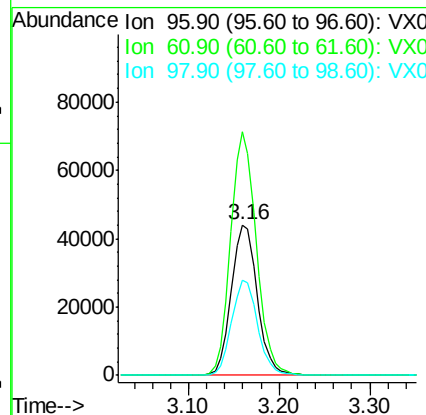
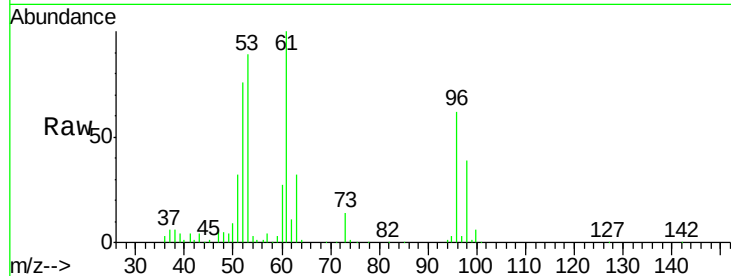
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	87899
Ion	Ratio	Lower	Upper
96	100		
61	161.8	124.5	186.7
98	62.9	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.011 ug/l

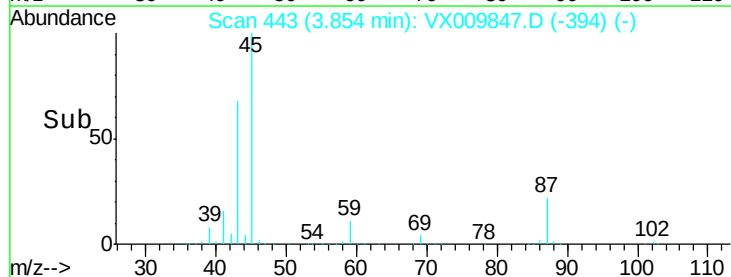
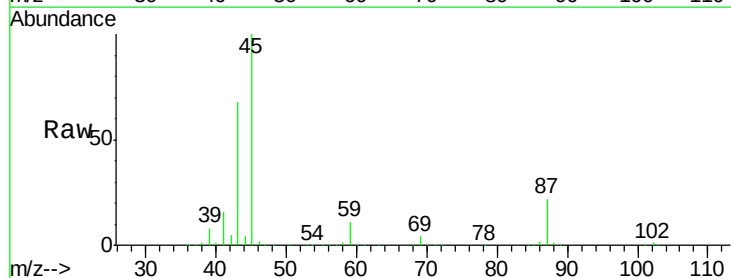
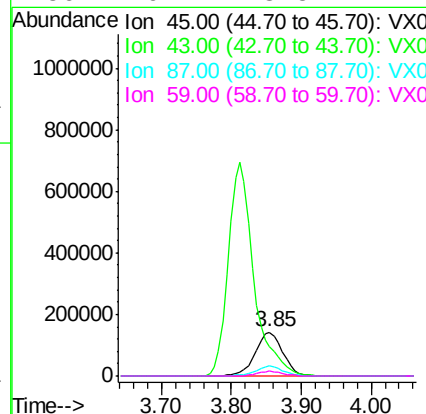
RT: 3.85 min Scan# 443

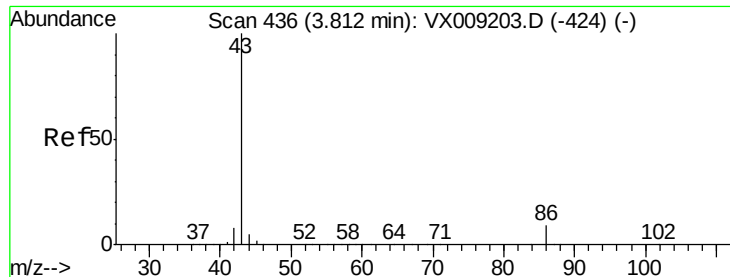
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	45	Resp:	390363
Ion	Ratio	Lower	Upper
45	100		
43	67.8	56.1	84.1
87	22.4	18.1	27.1
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 247.622 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1760733

Ion Ratio Lower Upper

43 100

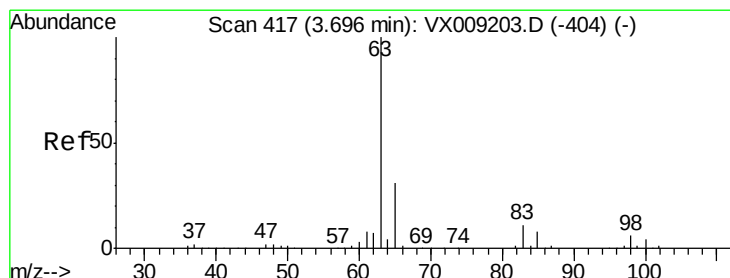
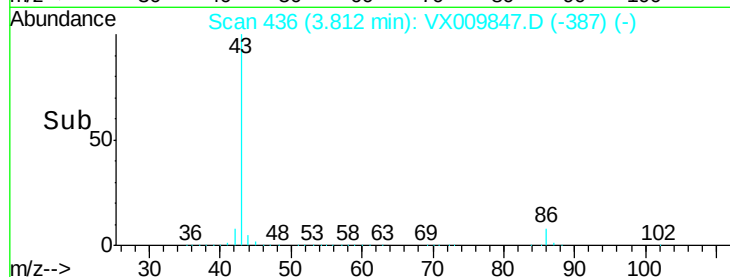
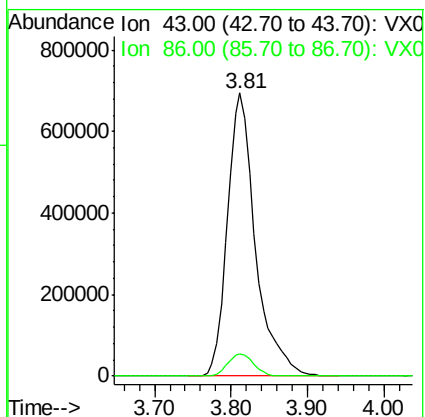
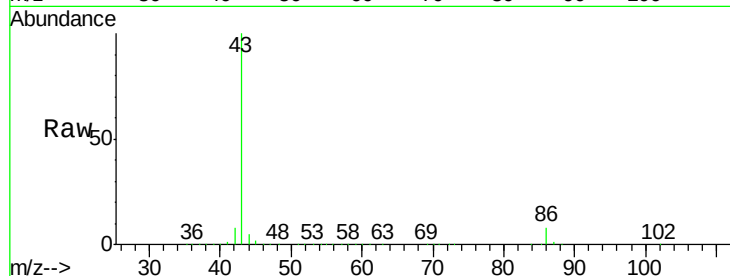
86 8.0 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.979 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

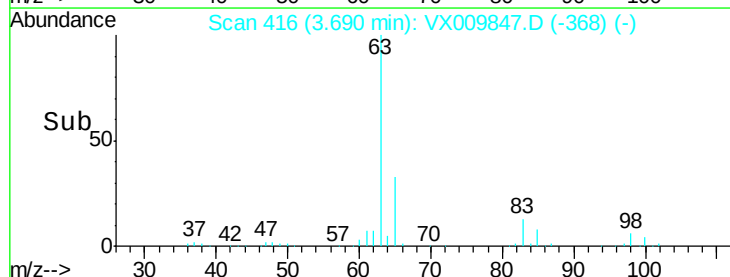
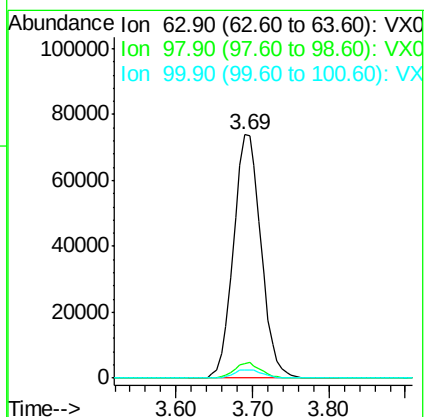
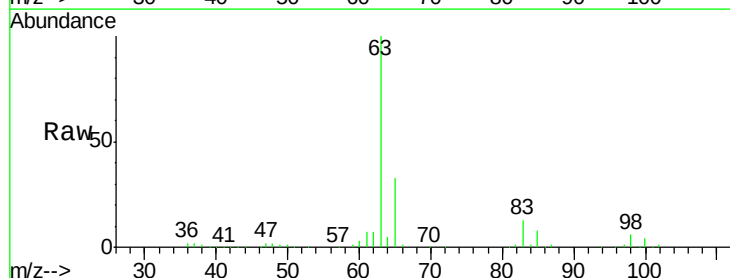
Tgt Ion: 63 Resp: 184247

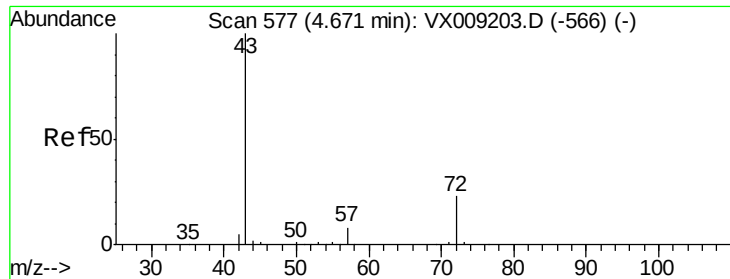
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 246.133 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 529418

Ion Ratio Lower Upper

43 100

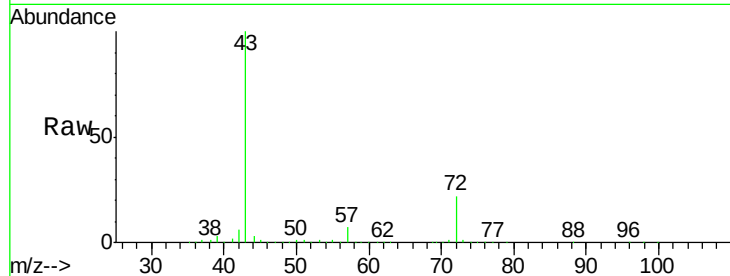
72 21.8 18.2 27.2

Manual Integrations

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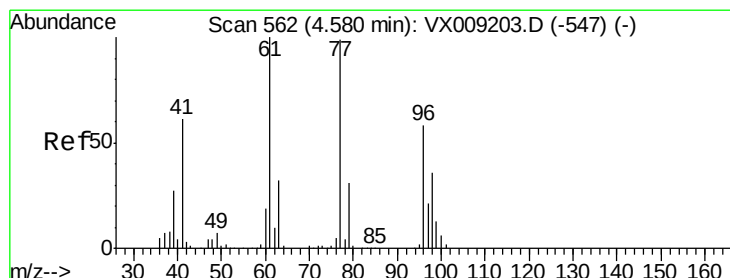
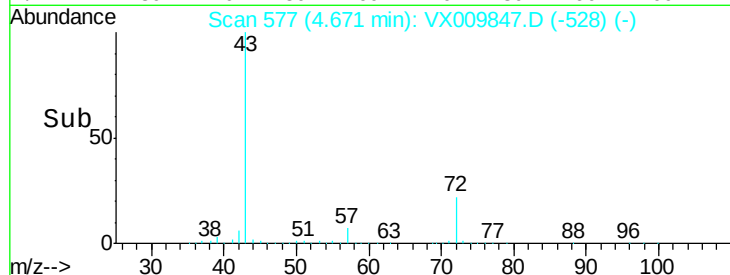
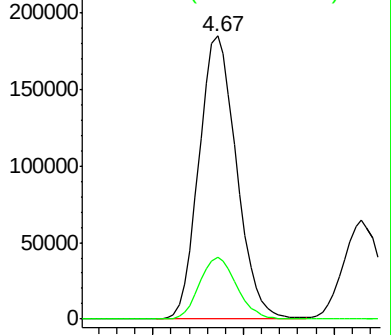
MMDadoda

5/24/2019 9:01:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.597 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009847.D

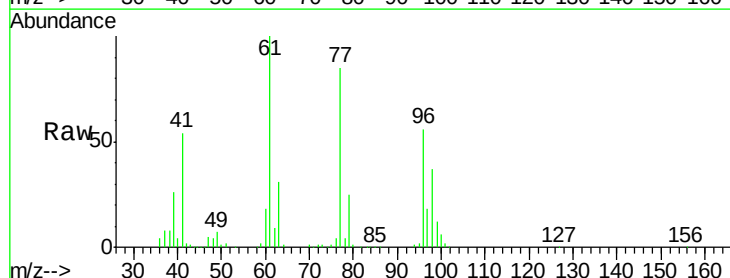
Acq: 23 May 2019 10:32

Tgt Ion: 77 Resp: 142077

Ion Ratio Lower Upper

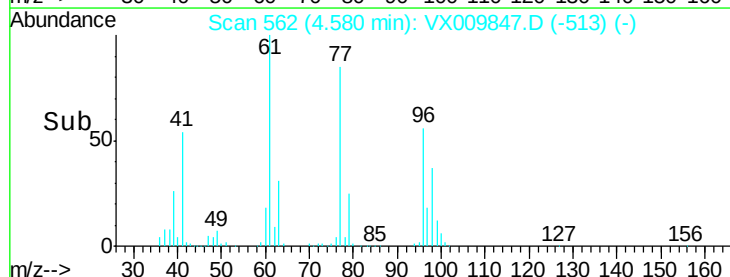
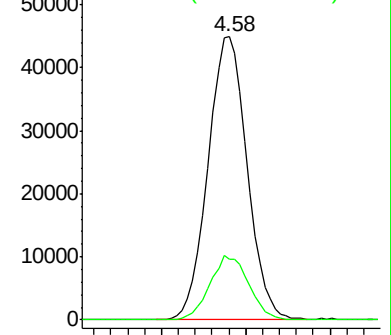
77 100

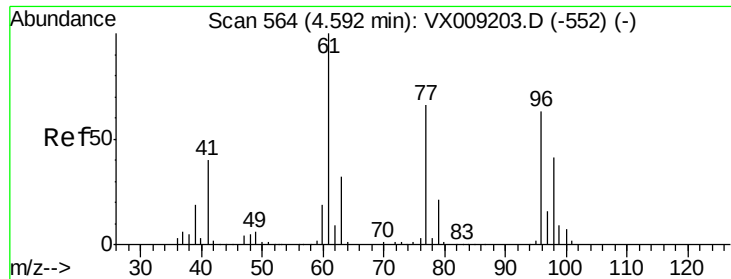
97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

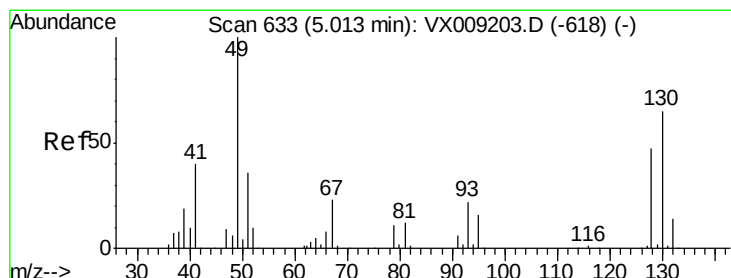
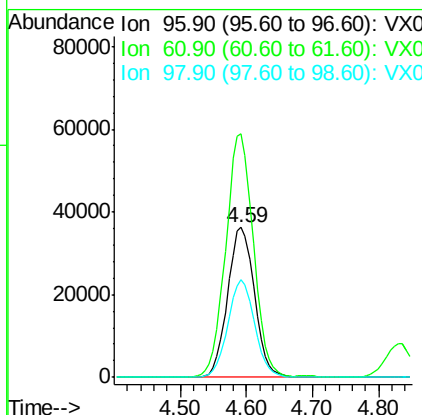
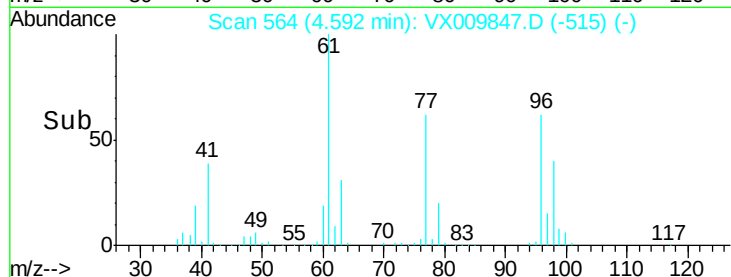
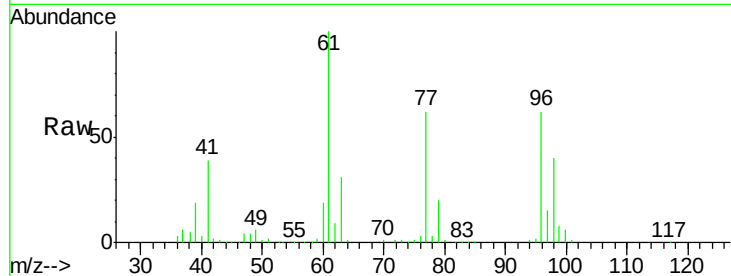
cis-1,2-Dichloroethene
Concen: 44.770 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.3	0.0	324.0	
98	64.4	0.0	130.4	

Manual Integrations
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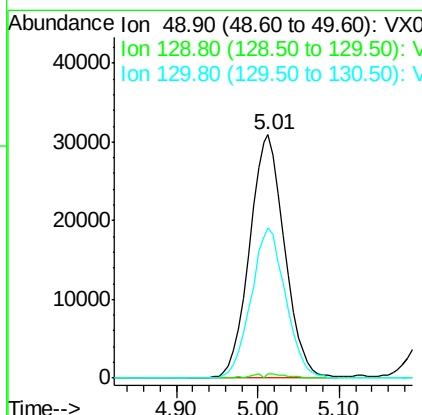
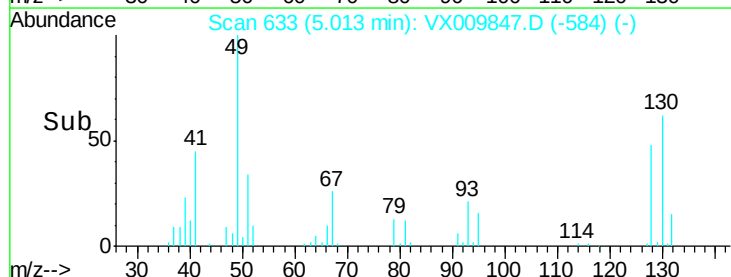
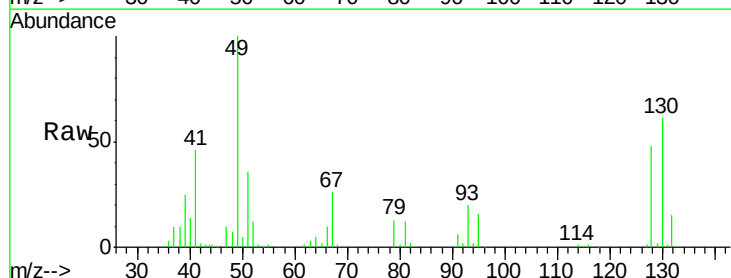
MMDadoda
5/24/2019 9:01:47 AM

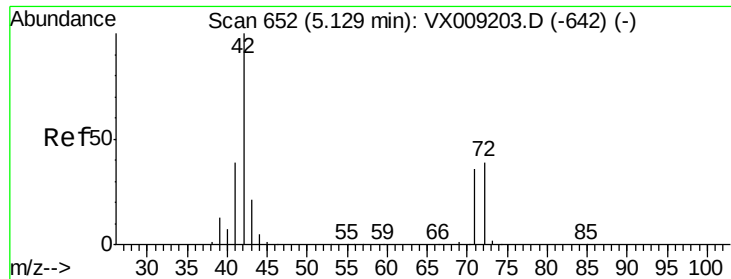


#28

Bromochloromethane
Concen: 56.313 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	3.8	
130	60.9	51.2	76.8	





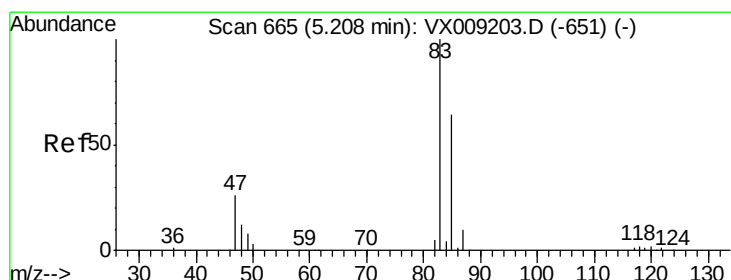
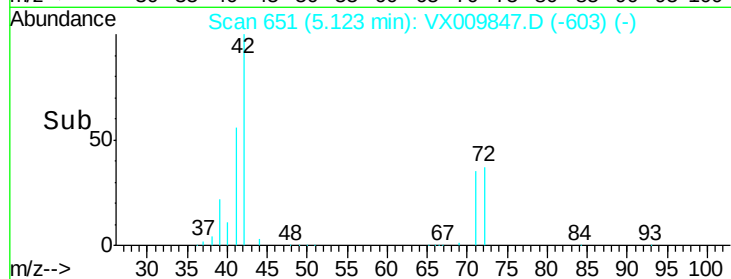
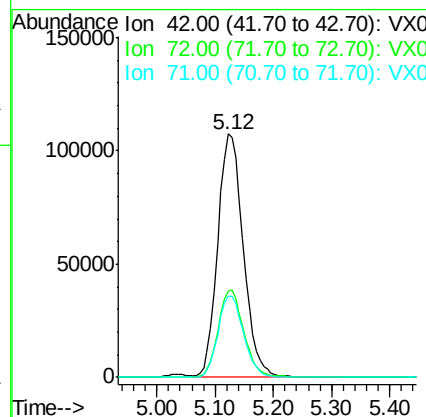
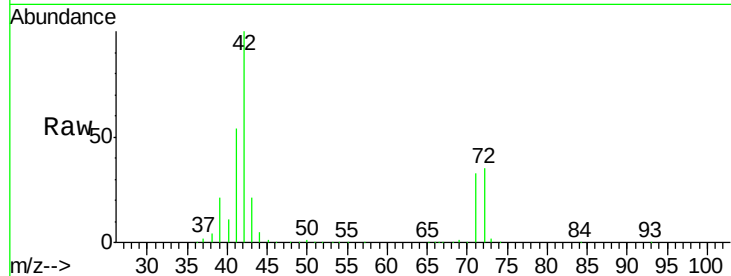
#29
Tetrahydrofuran
Concen: 235.957 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	30.4	45.6
71	33.7	28.6	43.0

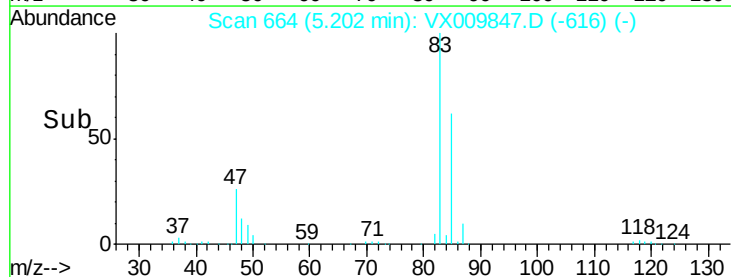
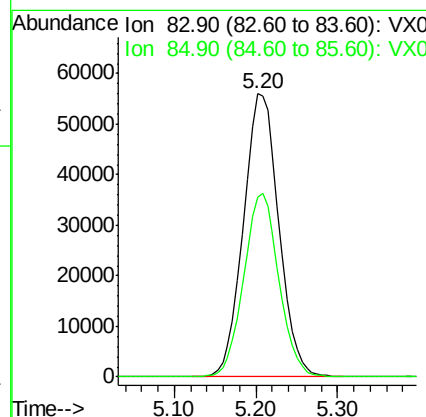
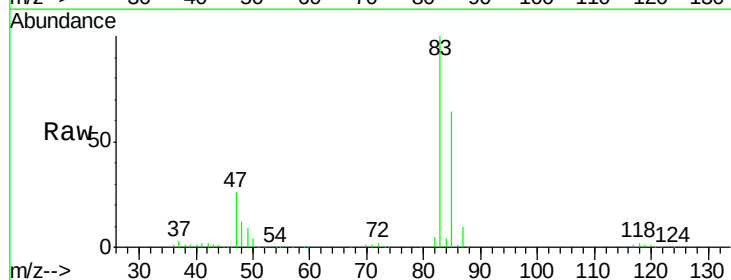
Manual Integrations
APPROVED

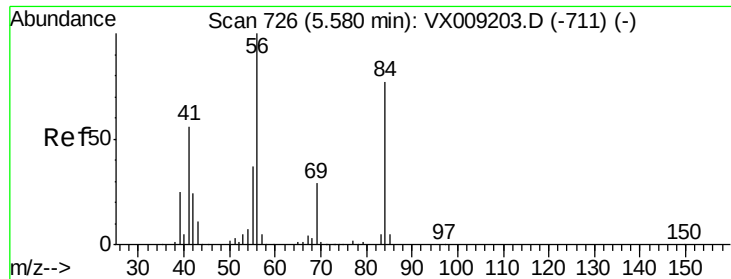
MMDadoda
5/24/2019 9:01:47 AM



#30
Chloroform
Concen: 45.630 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





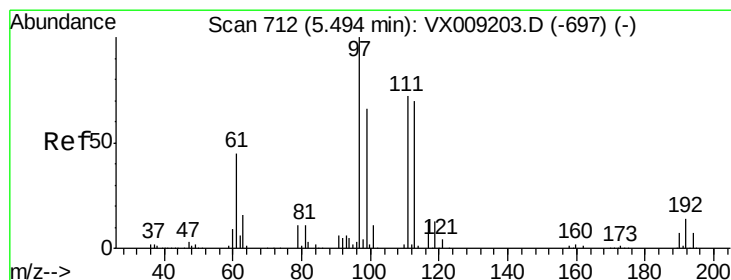
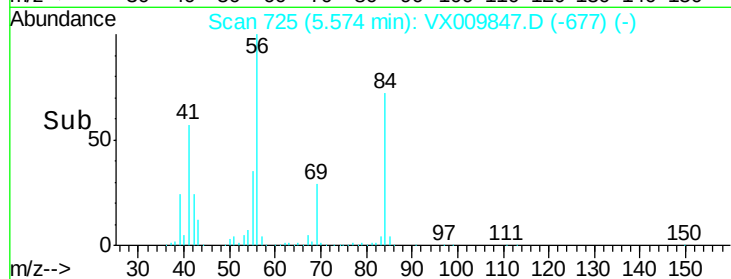
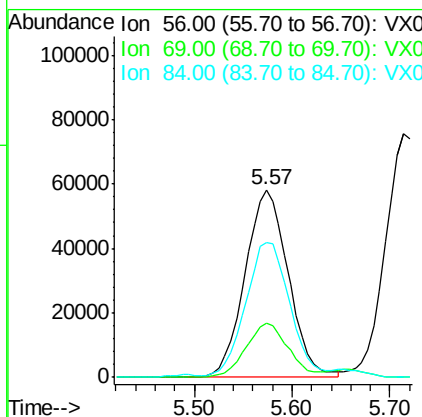
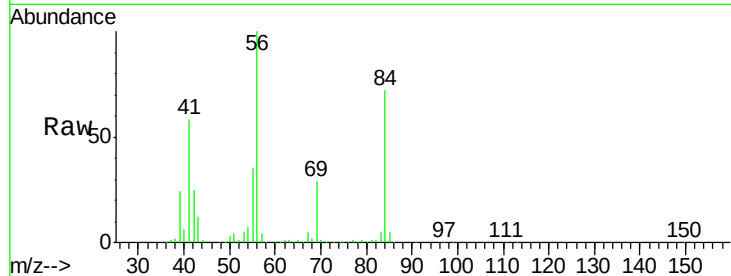
#31
Cyclohexane
Concen: 46.711 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.0
84	70.5	61.9	92.9

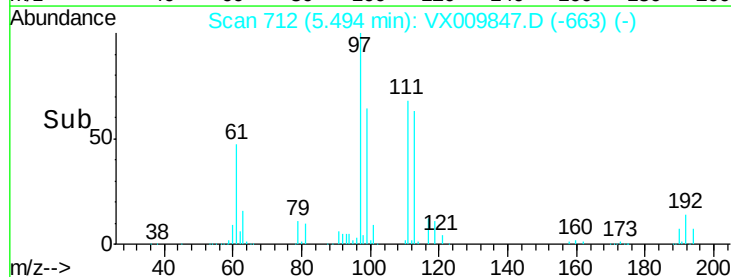
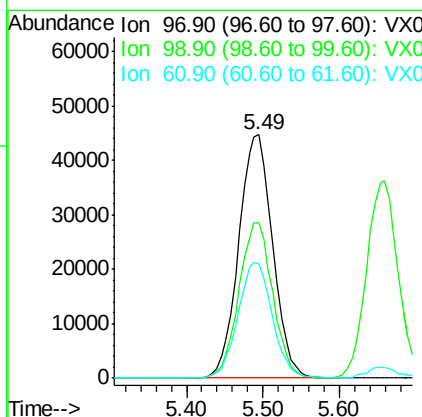
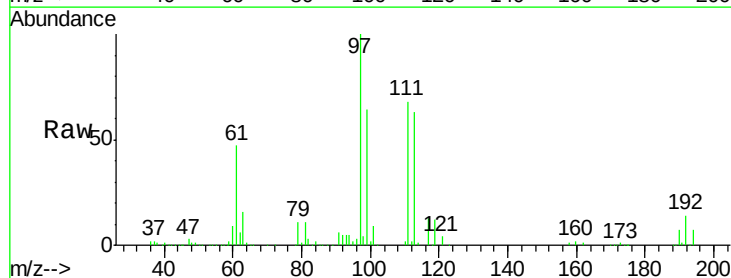
Manual Integrations
APPROVED

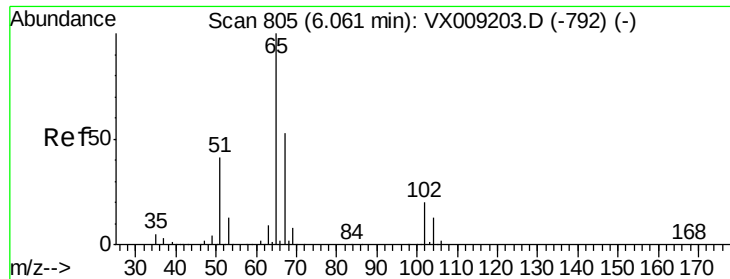
MMDadoda
5/24/2019 9:01:47 AM



#32
1,1,1-Trichloroethane
Concen: 44.664 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.8
61	48.0	37.8	56.8





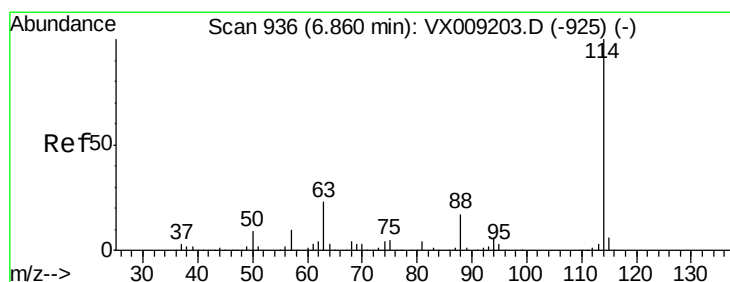
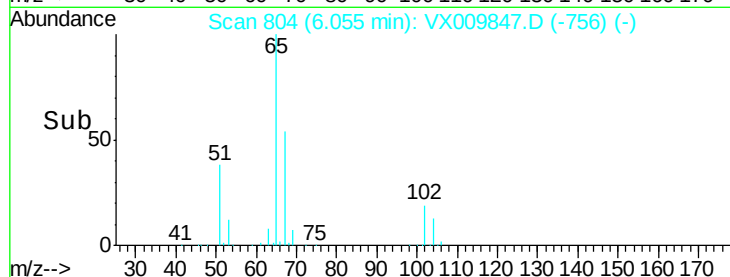
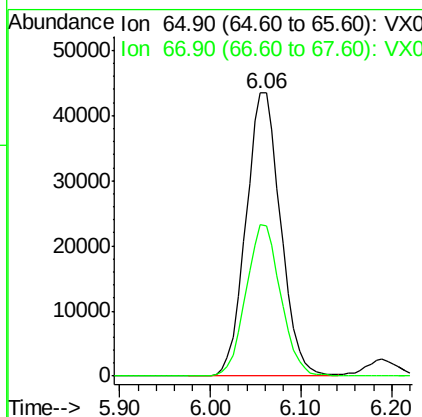
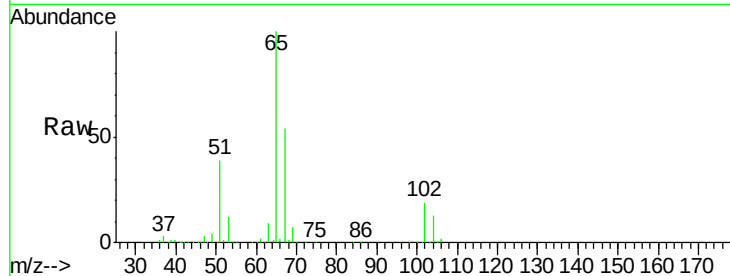
#33
 1,2-Dichloroethane-d4
 Concen: 44.695 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115213		
67	53.5	0.0	106.6	

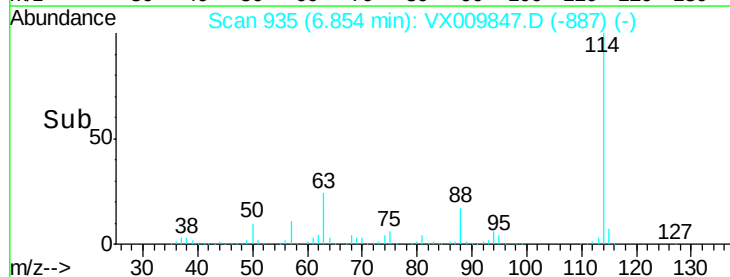
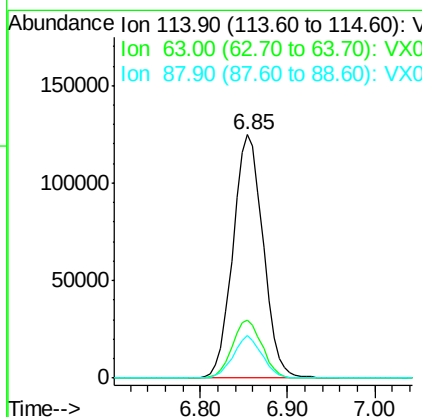
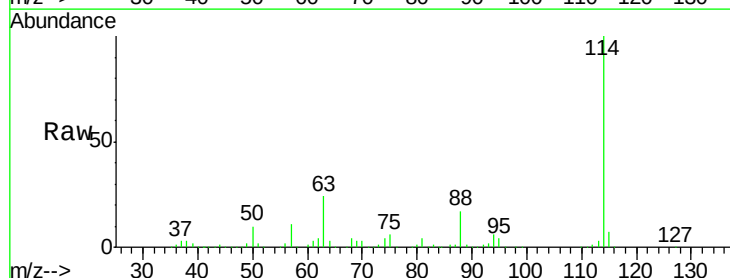
Manual Integrations
 APPROVED

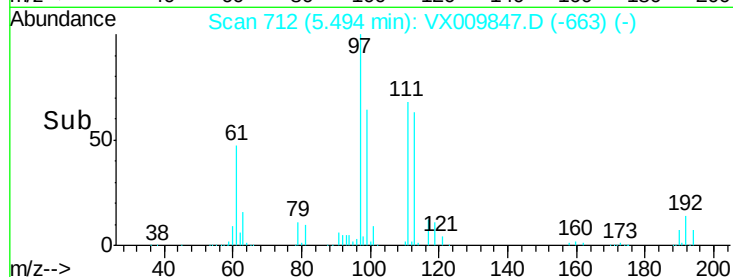
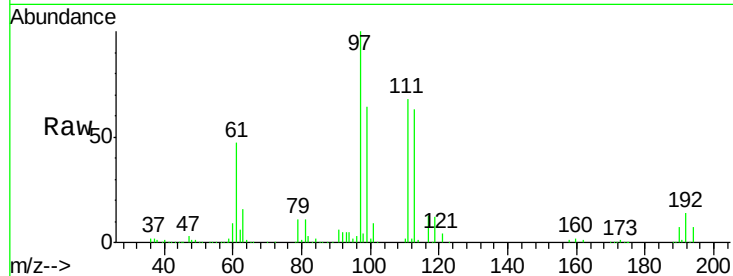
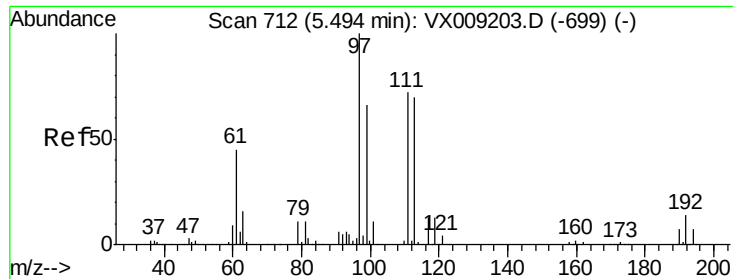
MMDadoda
 5/24/2019 9:01:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299137		
63	23.8	0.0	45.6	
88	17.3	0.0	33.2	





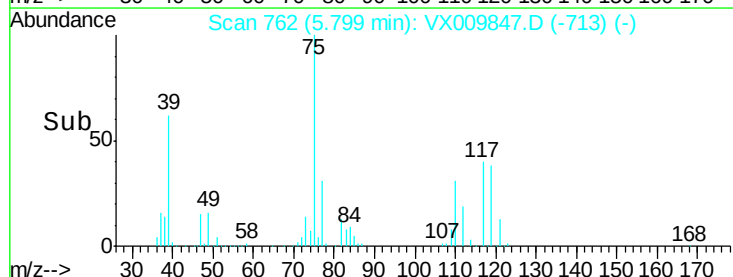
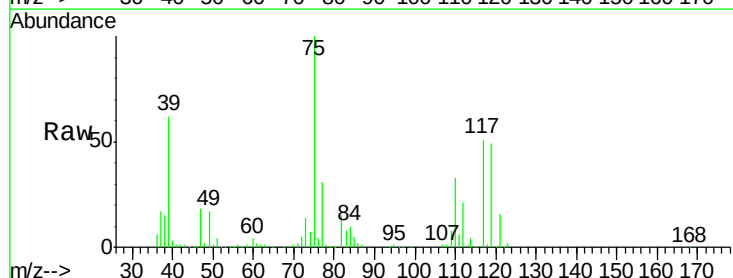
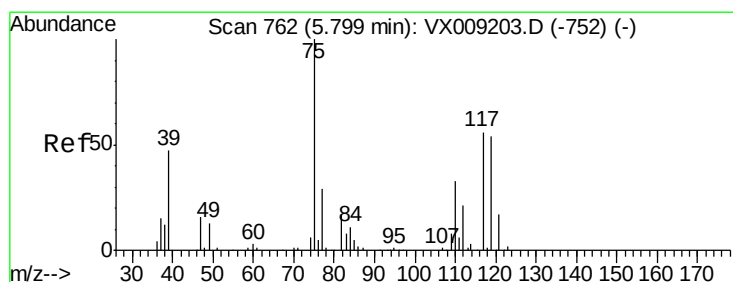
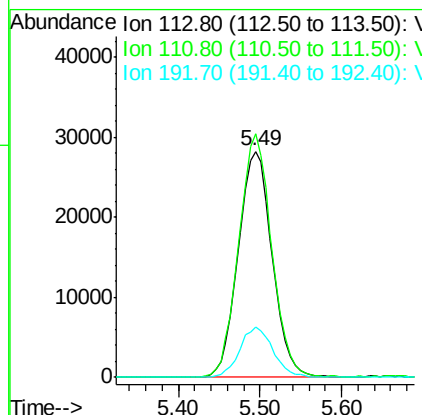
#35
Dibromofluoromethane
Concen: 43.352 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.8	124.2
192	21.7	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

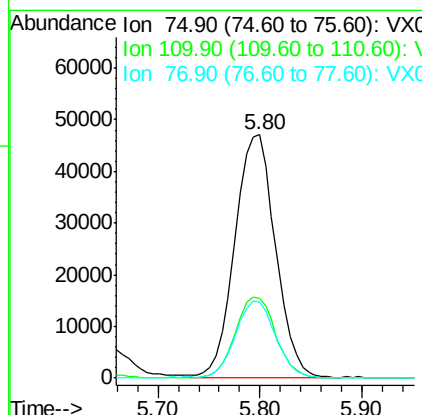
Manual Integrations
APPROVED

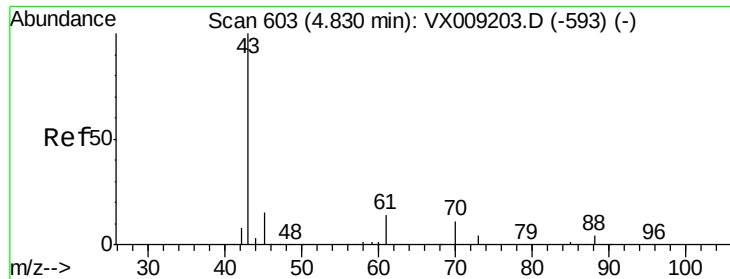
MMDadoda
5/24/2019 9:01:47 AM



#36
1,1-Dichloropropene
Concen: 46.527 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	32.0	24.8	37.2





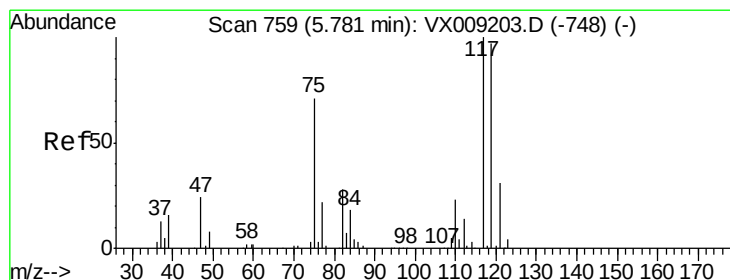
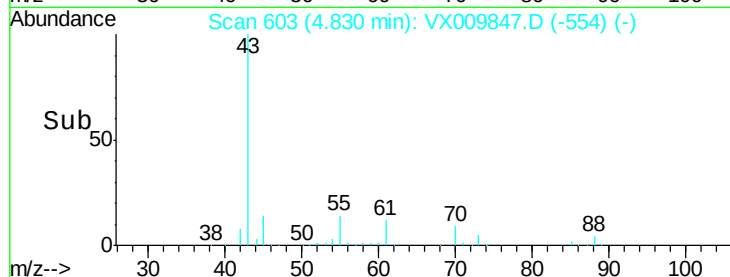
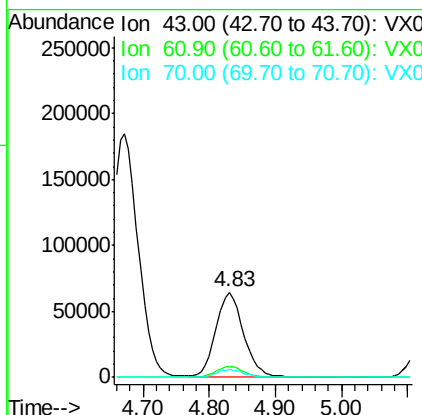
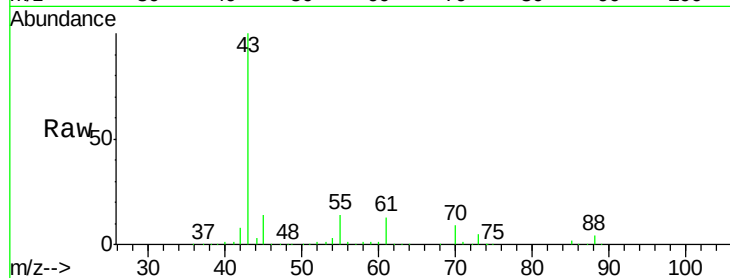
#37
Ethyl Acetate
Concen: 48.448 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.5	15.7
70	8.9	7.9	11.9

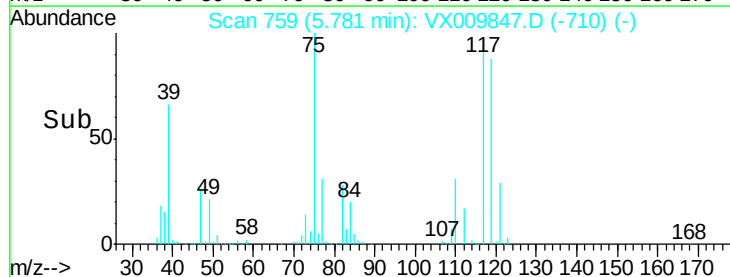
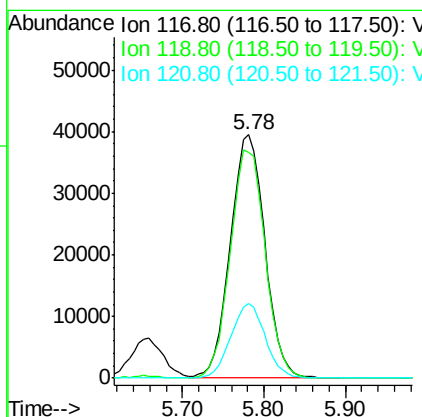
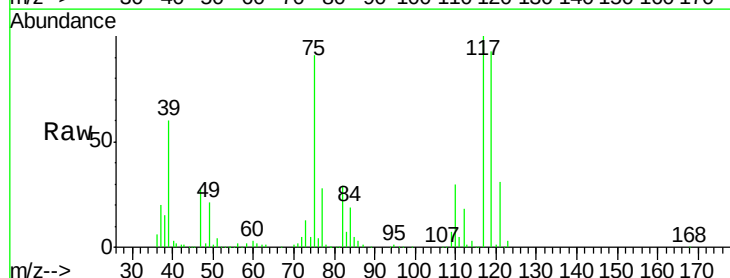
Manual Integrations
APPROVED

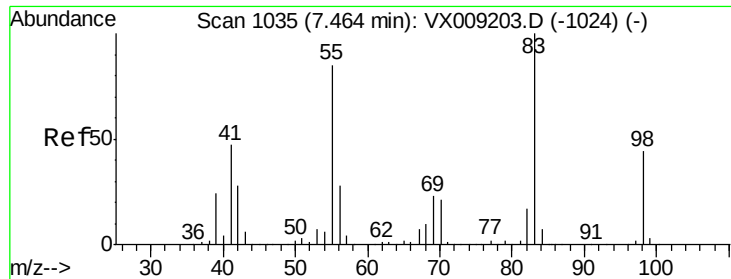
MMDadoda
5/24/2019 9:01:47 AM



#38
Carbon Tetrachloride
Concen: 45.822 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.5	116.3
121	30.6	24.7	37.1





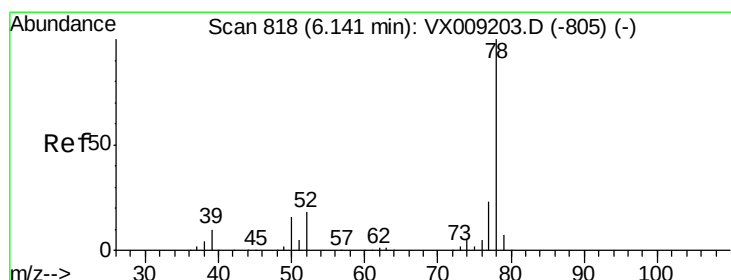
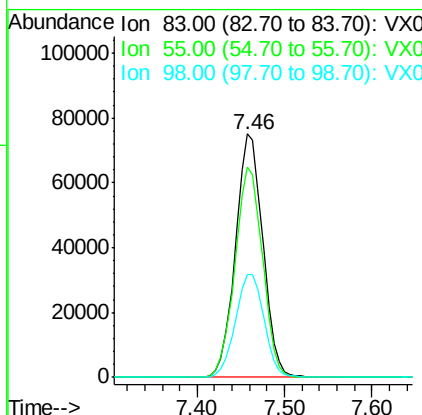
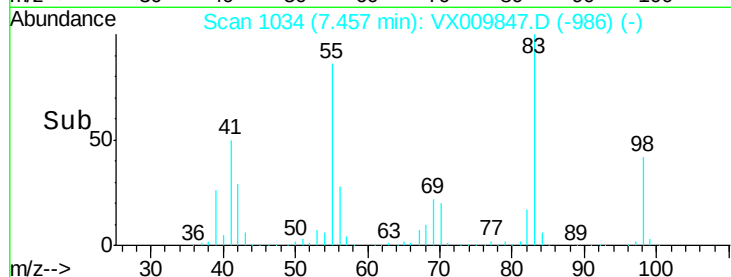
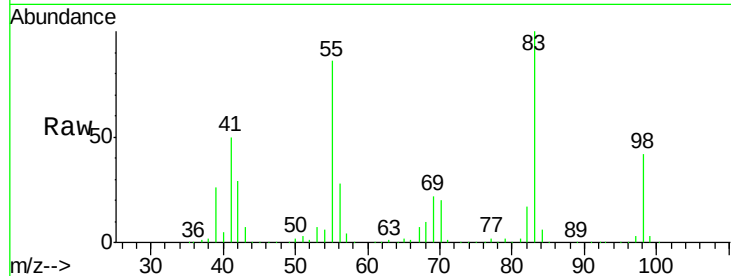
#39
Methylvlcyclohexane
Concen: 47.925 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	67.7	101.5
98	42.0	35.5	53.3

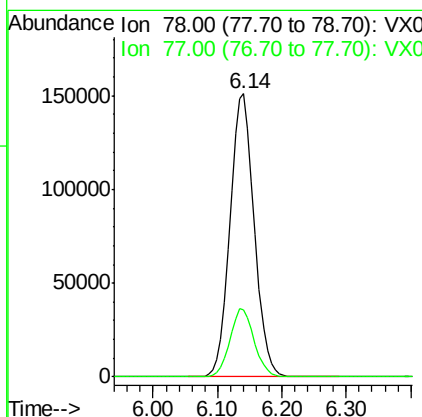
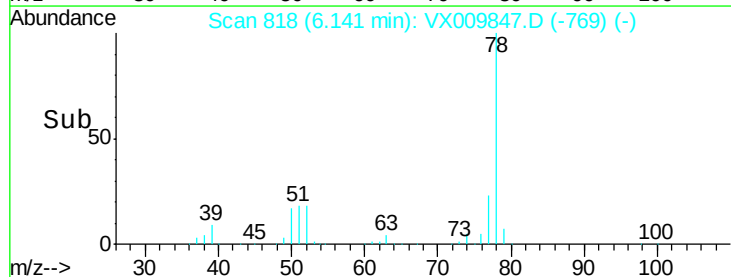
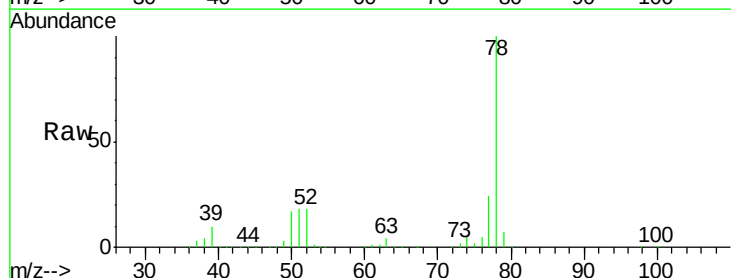
Manual Integrations
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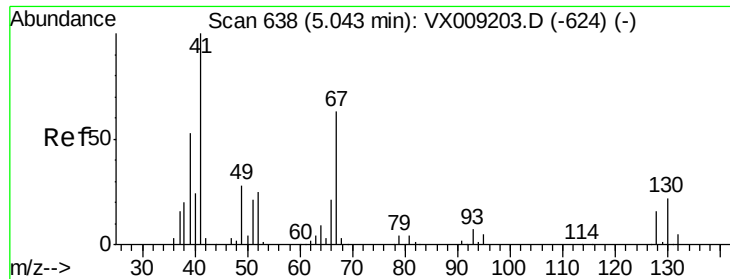
MMDadoda
5/24/2019 9:01:47 AM



#40
Benzene
Concen: 46.195 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 45.848 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

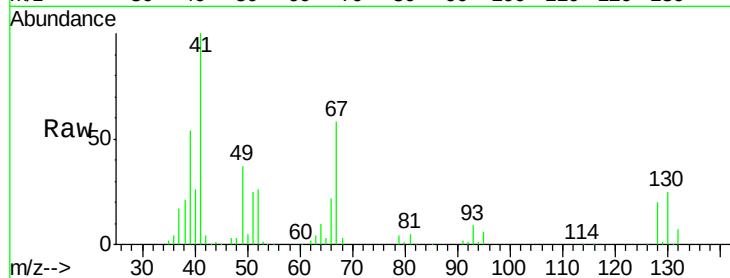
VSTDCCC050

Tot Ion: 41 Resp: 105709

Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.0	63.0
67	61.4	49.8	74.8
52	26.4	20.3	30.5

Manual Integrations
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MMDadoda
5/24/2019 9:01:47 AM

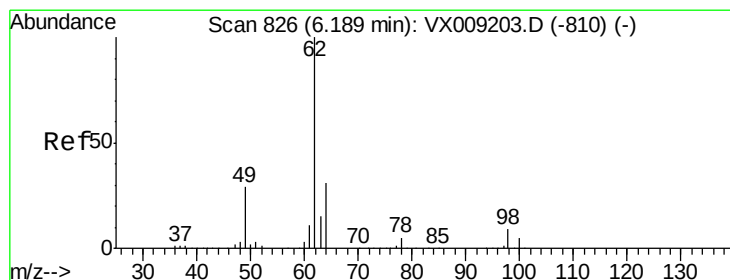
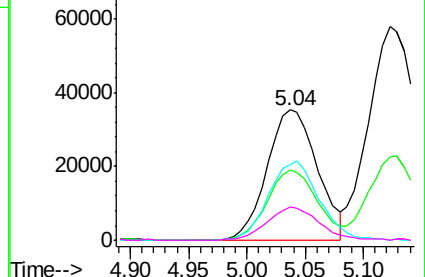
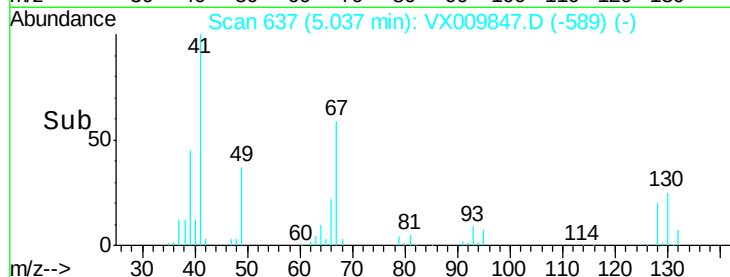


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.603 ug/l

RT: 6.19 min Scan# 826

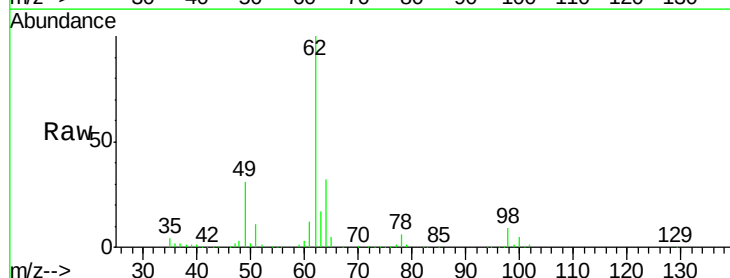
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

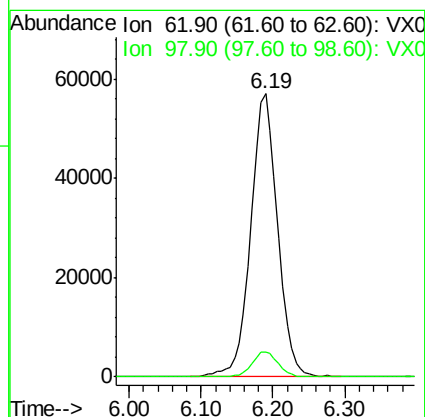
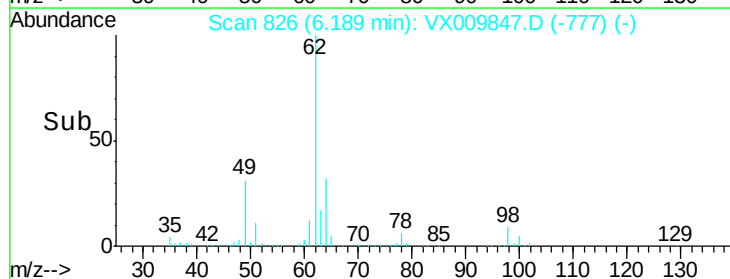
Tgt Ion: 62 Resp: 146912

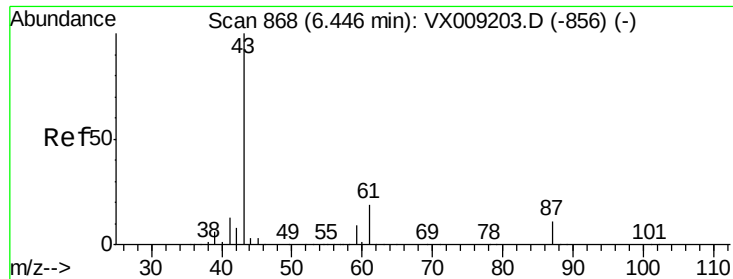
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.278 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

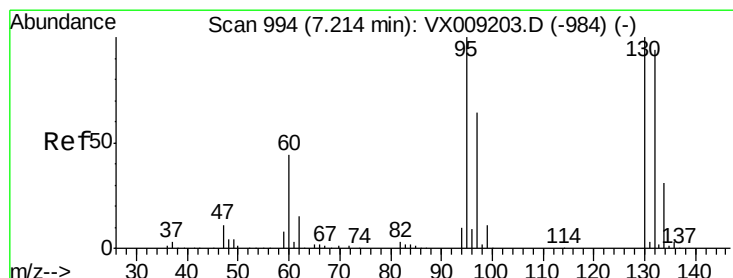
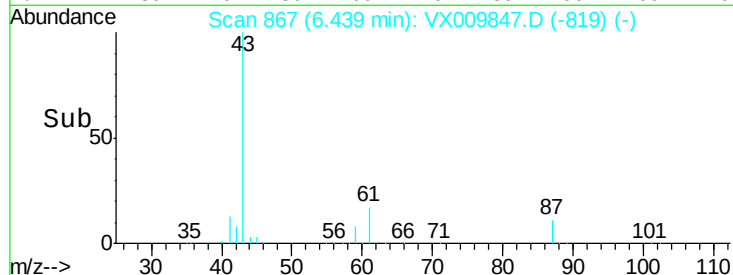
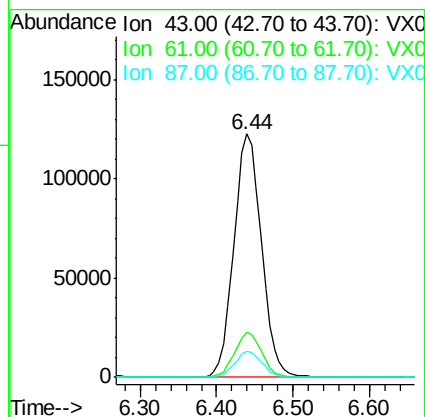
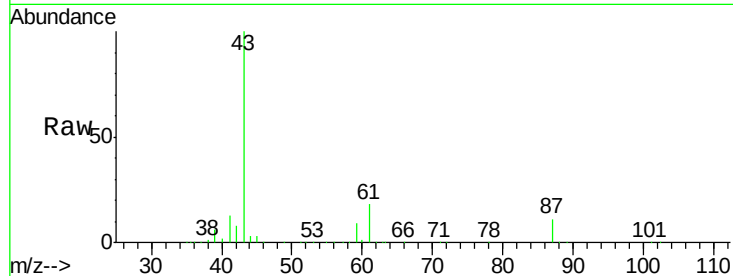
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	305300
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	10.7	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 45.535 ug/l

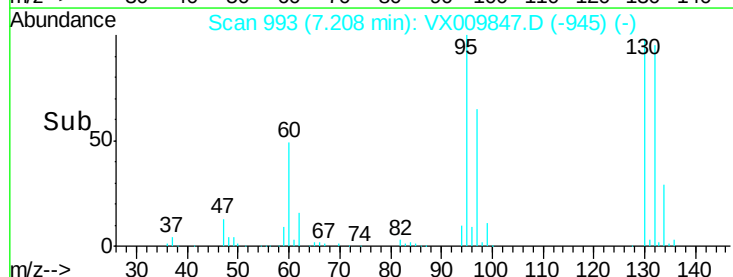
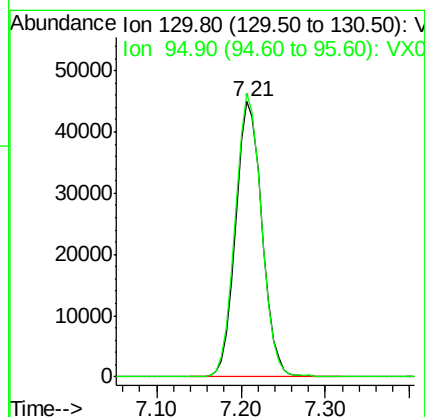
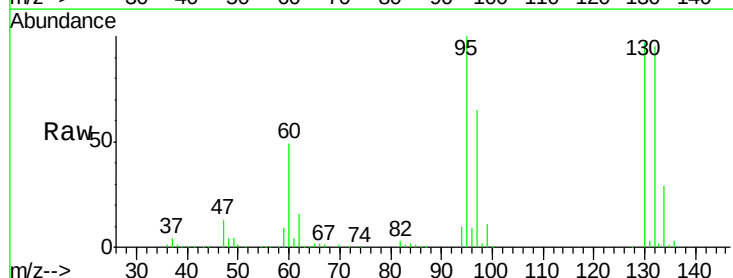
RT: 7.21 min Scan# 993

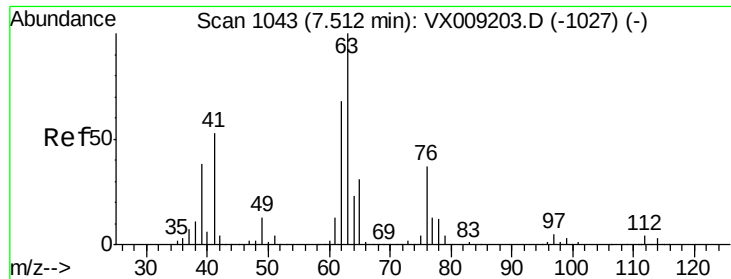
Delta R.T. -0.01 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	130	Resp:	94707
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	199.2





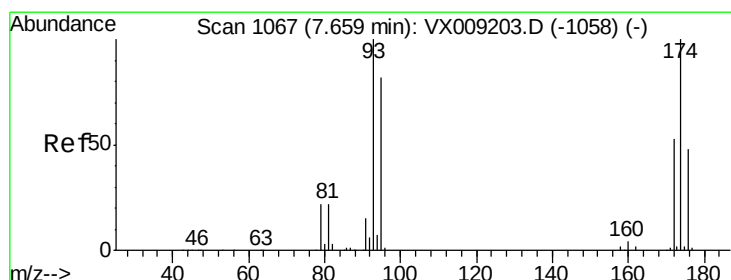
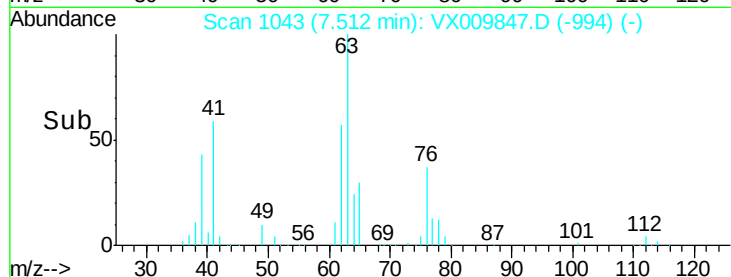
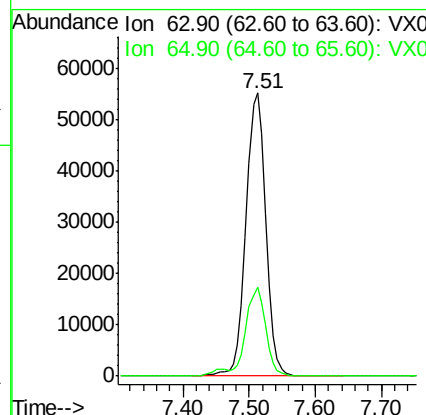
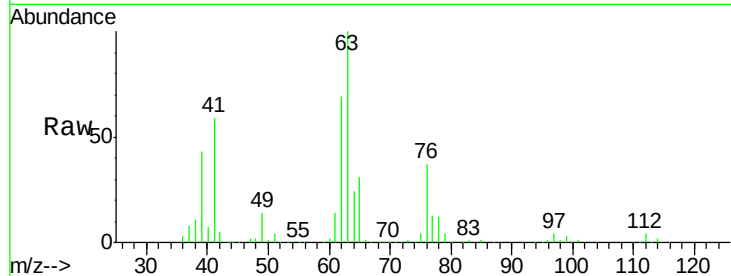
#45
 1,2-Dichloropropane
 Concen: 47.221 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 115036
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

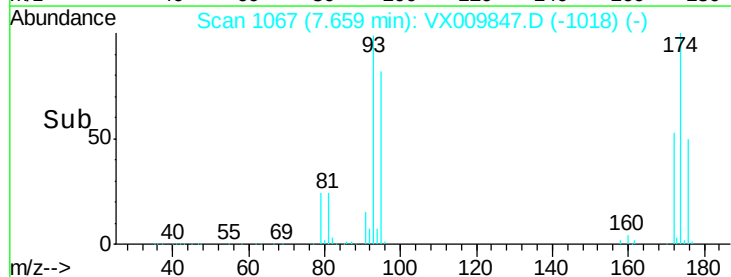
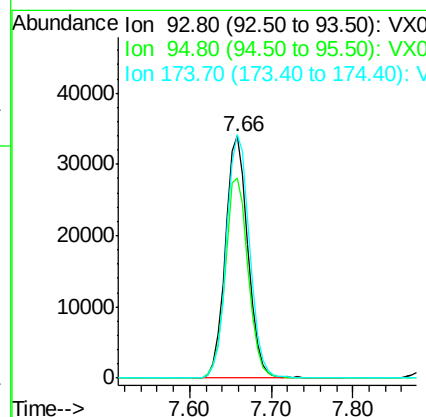
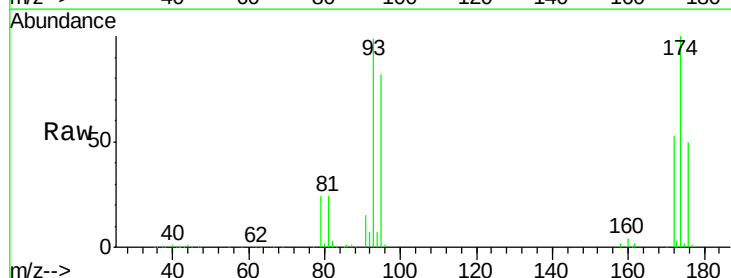
Manual Integrations
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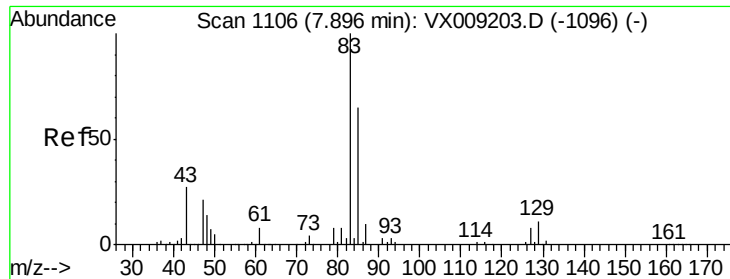
MMDadoda
 5/24/2019 9:01:47 AM



#46
 Dibromomethane
 Concen: 45.804 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion: 93 Resp: 64798
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.5 99.7
 174 102.5 82.1 123.1





#47

Bromodichloromethane

Concen: 47.246 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

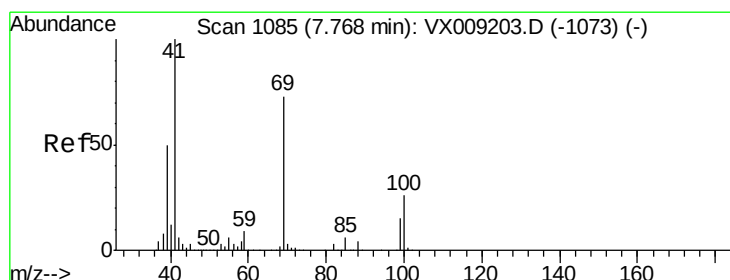
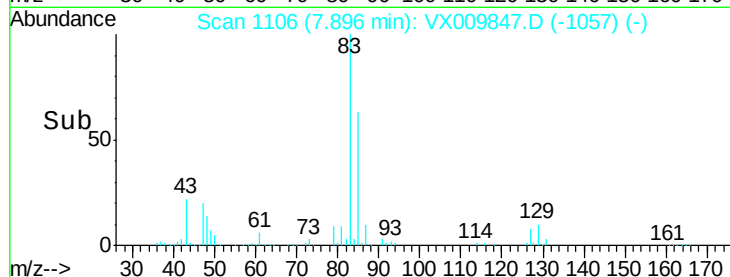
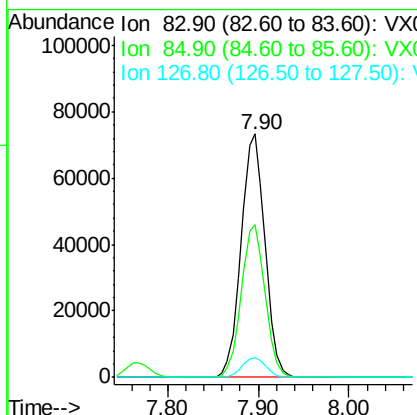
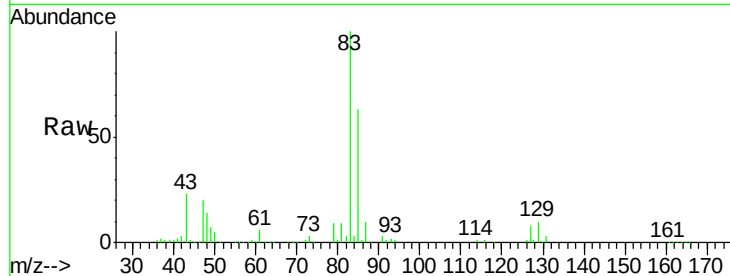
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	133324
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6
127	8.1	6.6	10.0

Manual Integrations
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5/24/2019 9:01:47 AM



#48

Methyl methacrylate

Concen: 50.749 ug/l

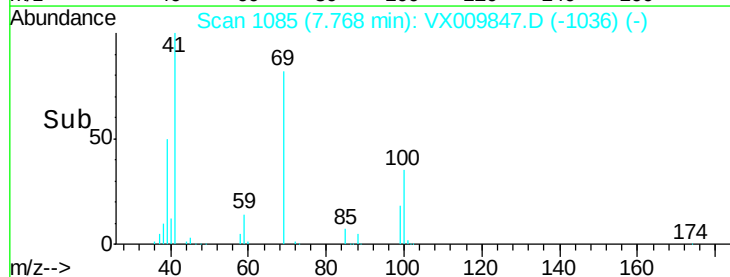
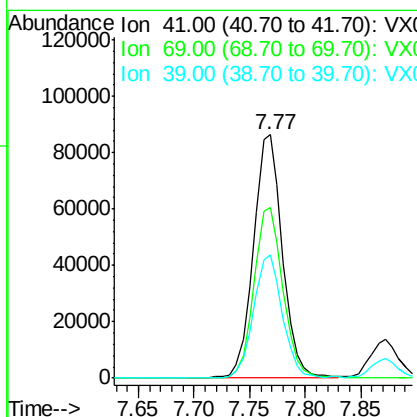
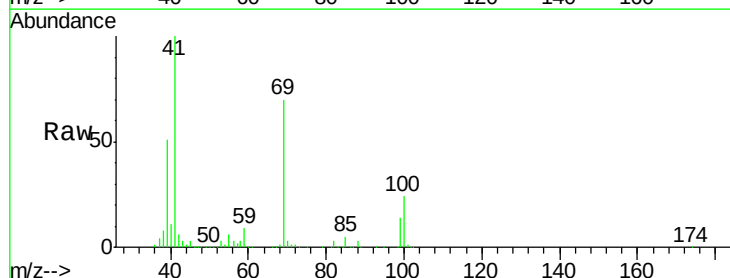
RT: 7.77 min Scan# 1085

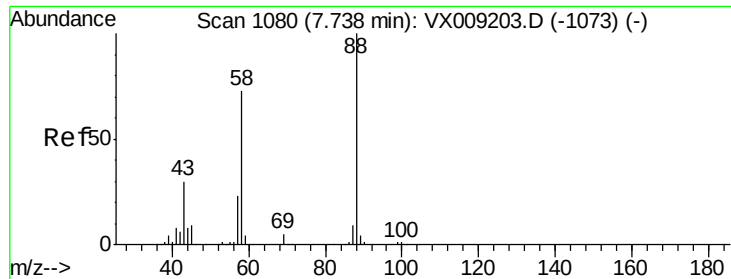
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	41	Resp:	155988
Ion	Ratio	Lower	Upper
41	100		
69	70.7	59.1	88.7
39	50.7	40.4	60.6





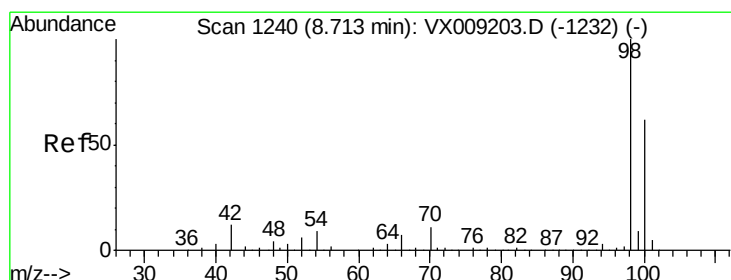
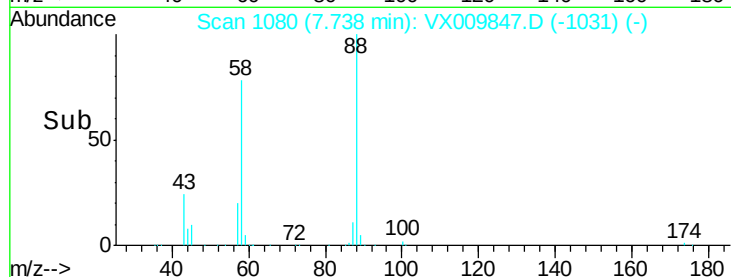
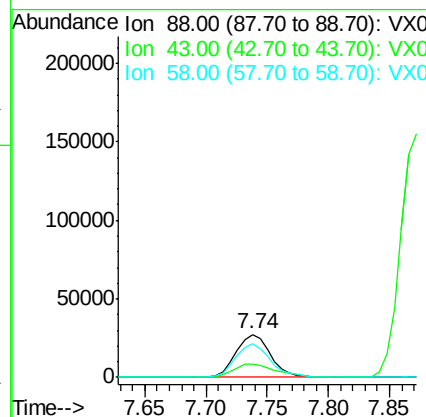
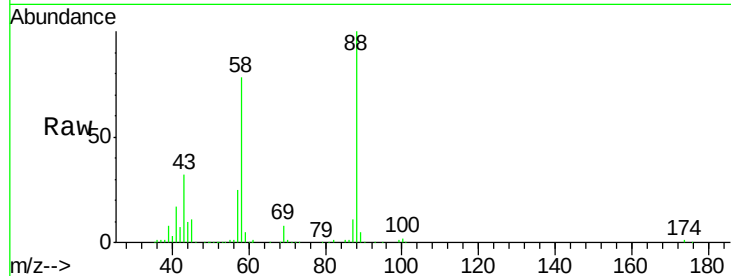
#49
1,4-Dioxane
Concen: 862.039 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	42.8
58	80.2	61.7	92.5

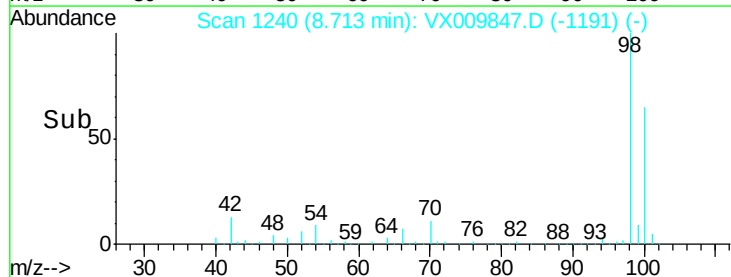
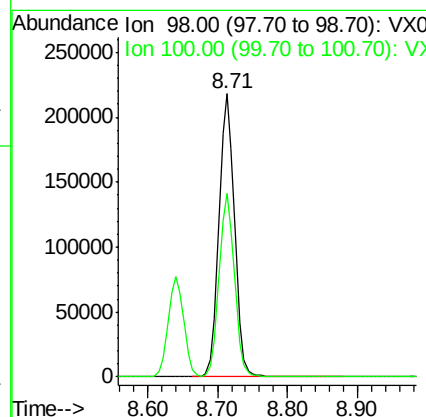
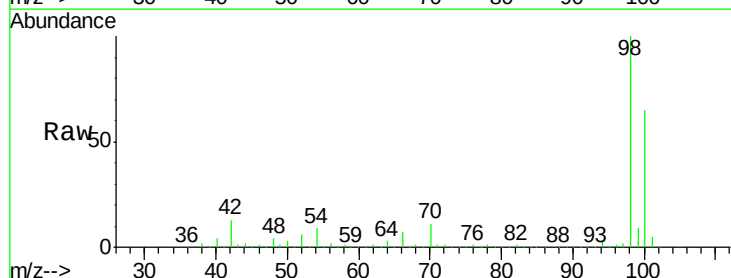
Manual Integrations
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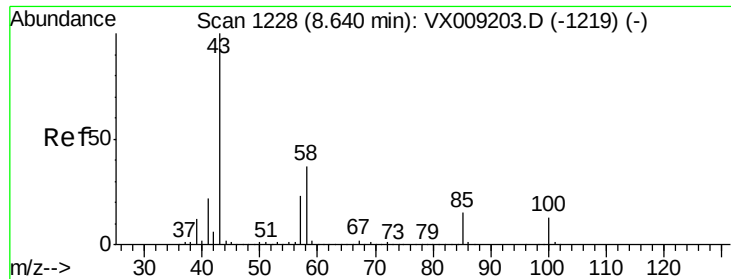
MMDadoda
5/24/2019 9:01:47 AM



#50
Toluene-d8
Concen: 44.276 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 245.858 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 995602

Ion Ratio Lower Upper

43 100

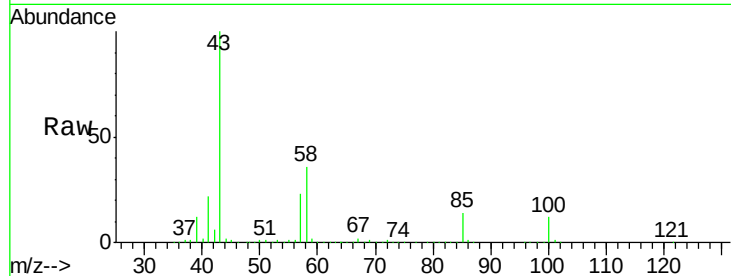
58 36.1 29.5 44.3

Manual Integrations

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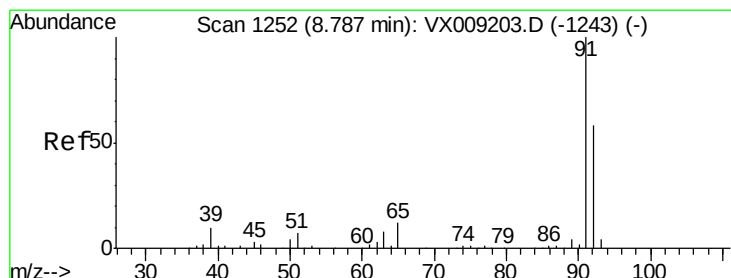
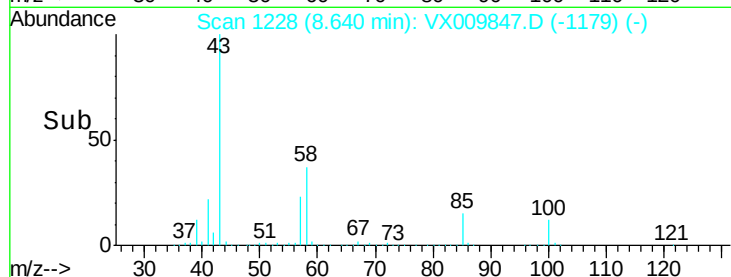
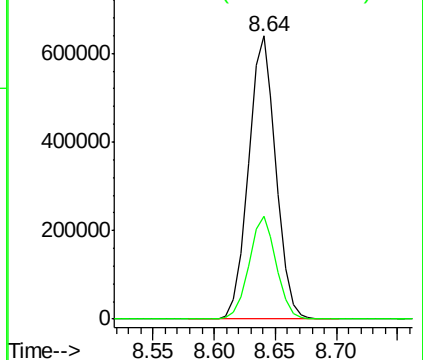
MMDadoda

5/24/2019 9:01:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.782 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009847.D

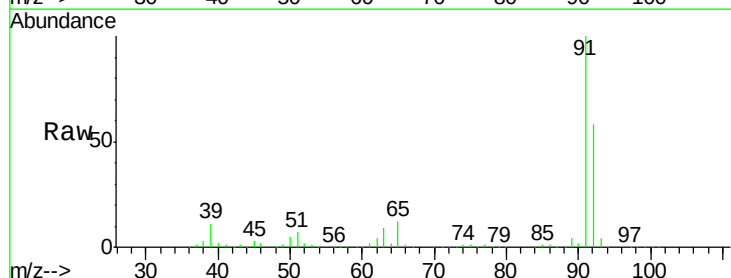
Acq: 23 May 2019 10:32

Tgt Ion: 92 Resp: 244658

Ion Ratio Lower Upper

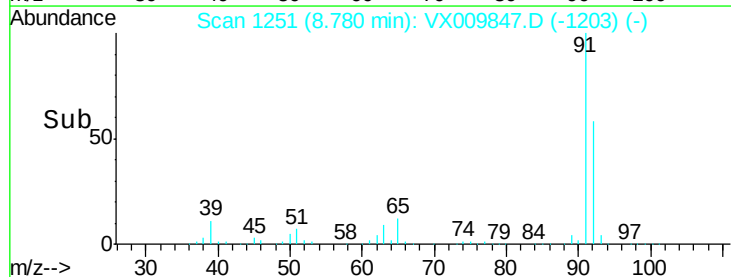
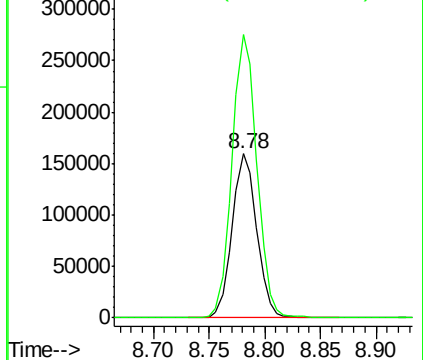
92 100

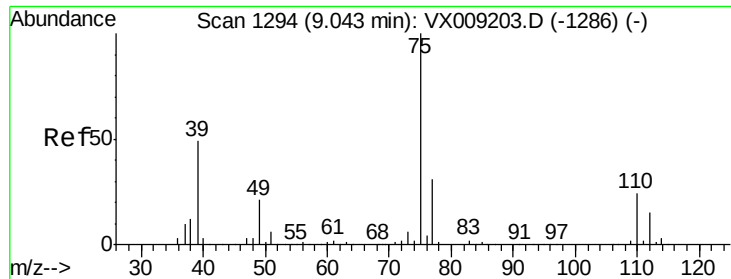
91 175.1 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





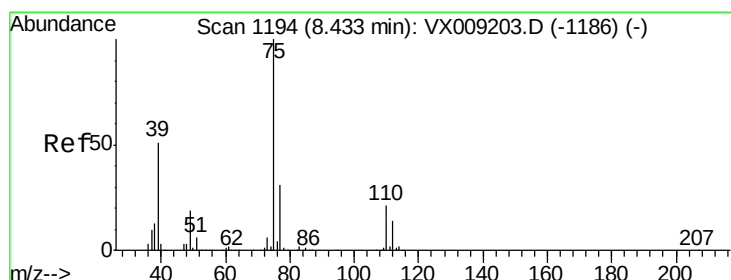
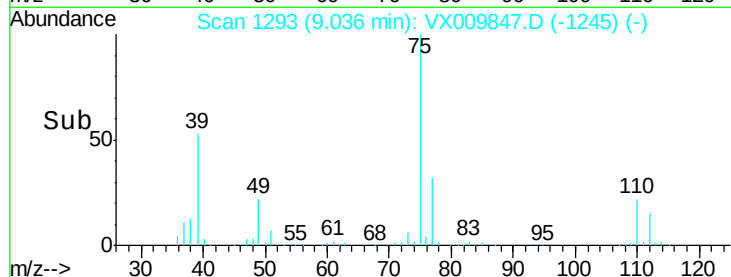
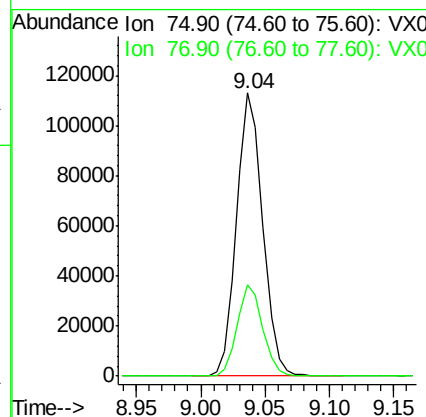
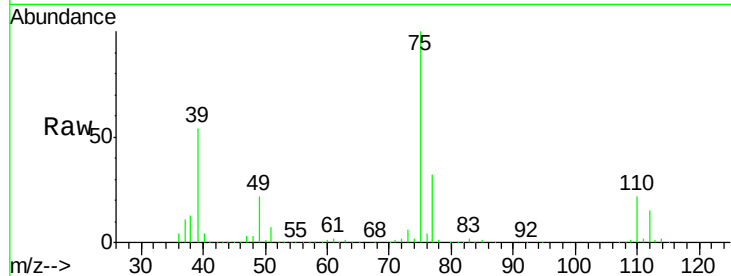
#53
t-1,3-Dichloropropene
Concen: 50.357 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 160435
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6

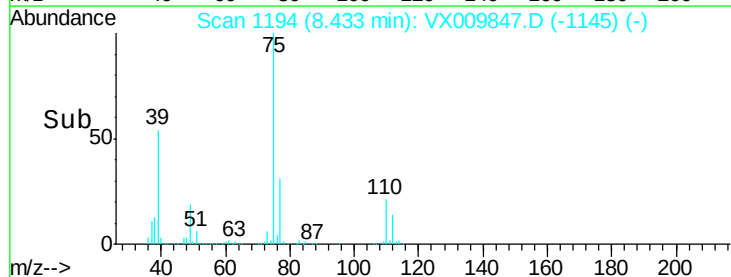
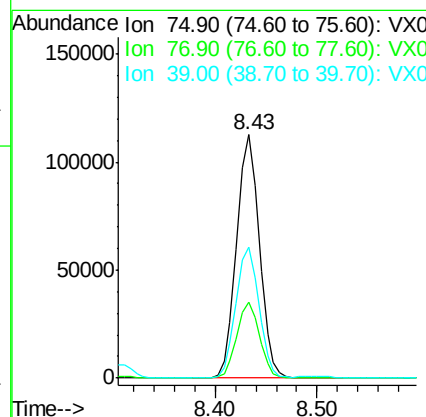
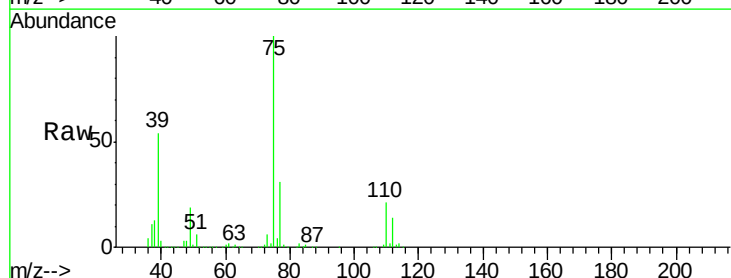
Manual Integrations
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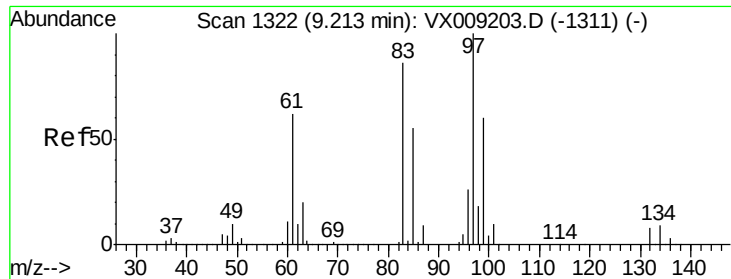
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.389 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion: 75 Resp: 174165
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 53.6 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 45.645 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

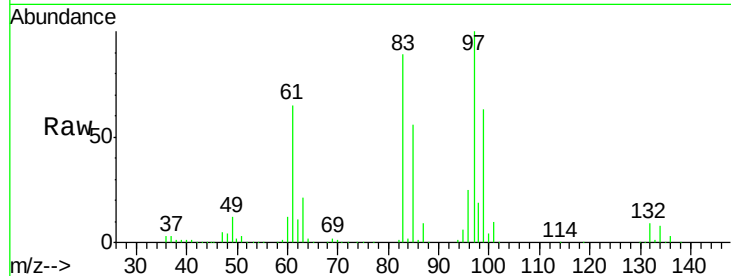
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	97387
Ion	Ratio	Lower	Upper
97	100		
83	89.3	68.9	103.3
85	56.3	43.8	65.6
99	62.8	48.2	72.2

Manual Integrations
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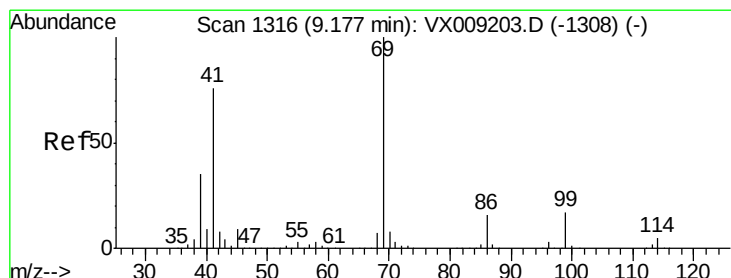
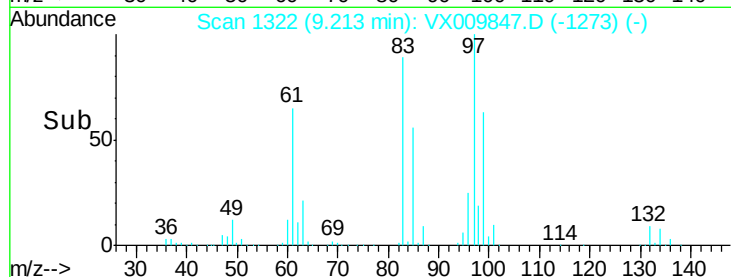
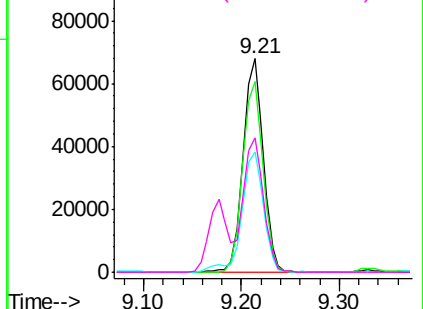
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 48.892 ug/l

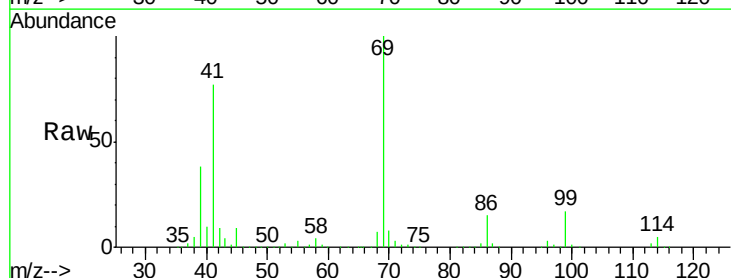
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	69	Resp:	186211
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.6	90.8
39	37.4	28.2	42.4

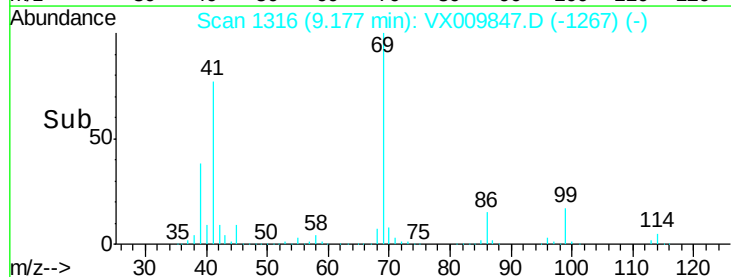
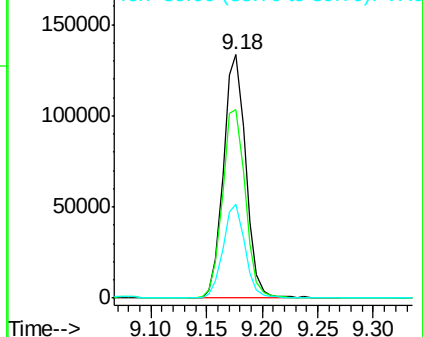


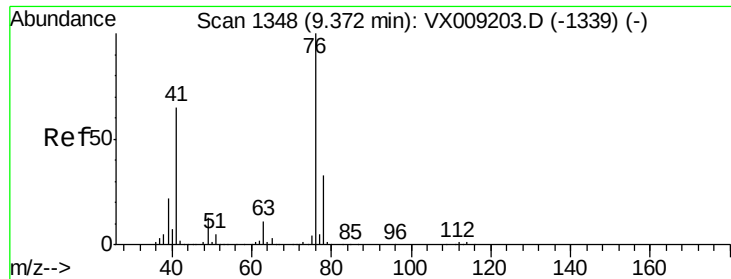
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





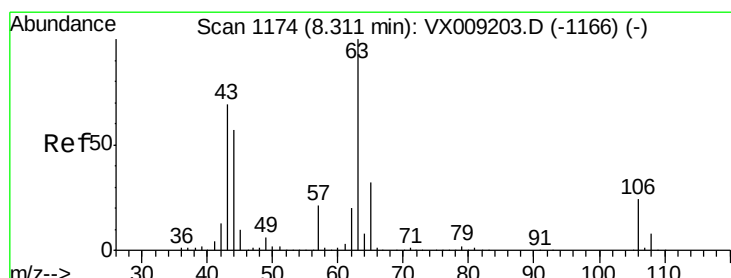
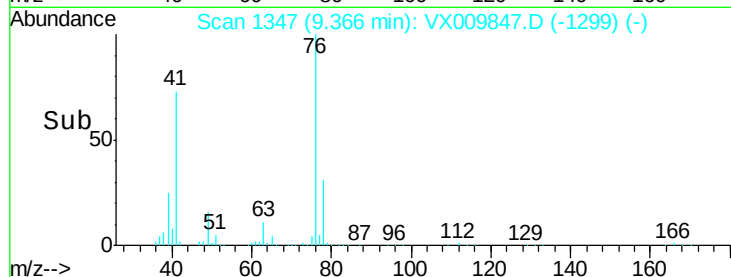
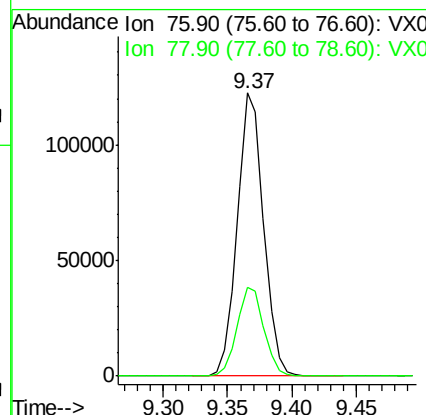
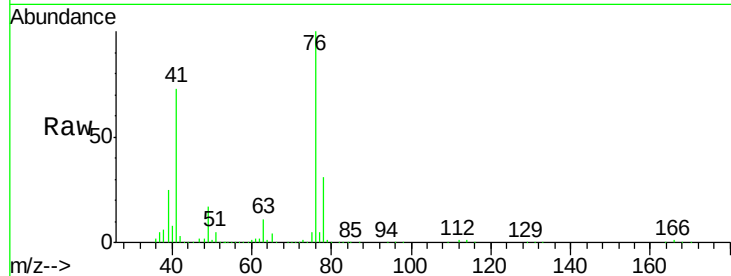
#57
 1,3-Dichloropropane
 Concen: 46.558 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 174807
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

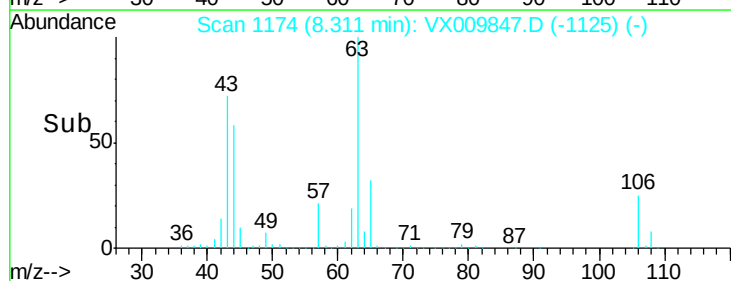
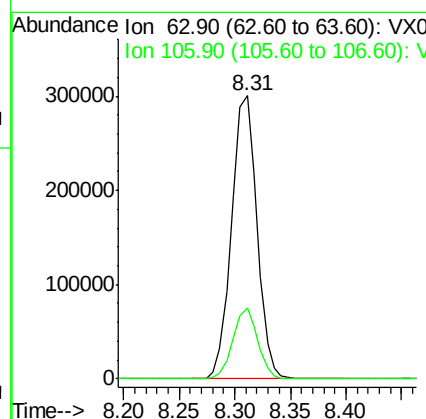
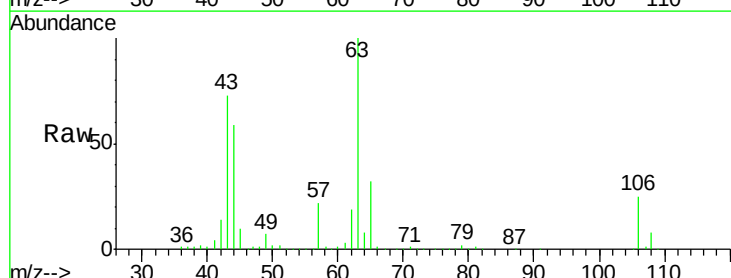
Manual Integrations
 APPROVED

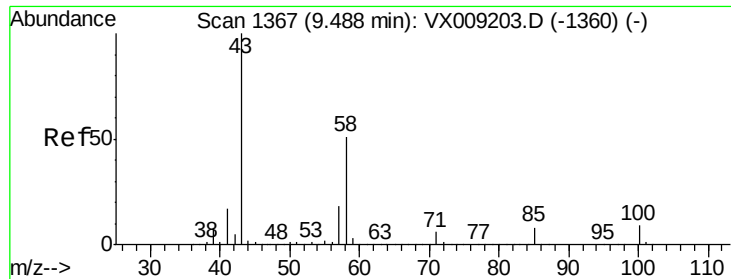
MMDadoda
 5/24/2019 9:01:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.800 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion: 63 Resp: 476421
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





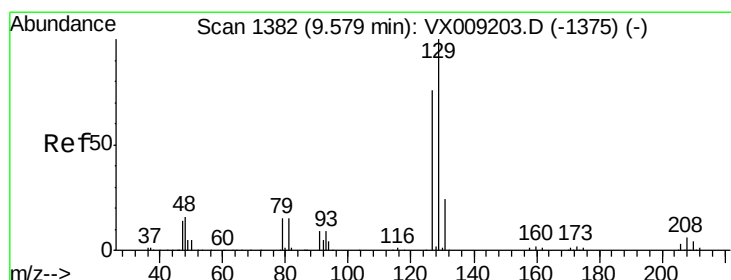
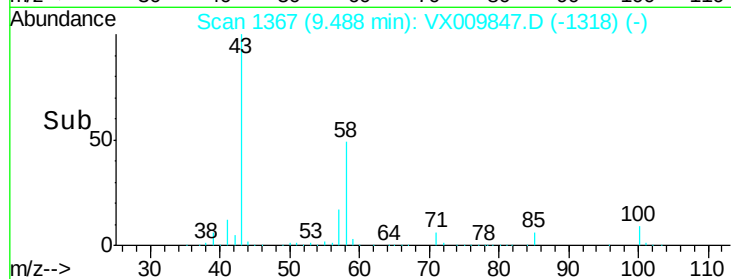
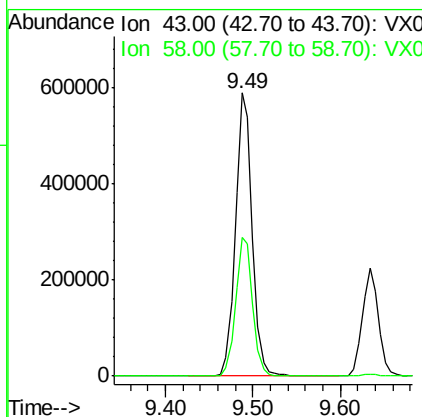
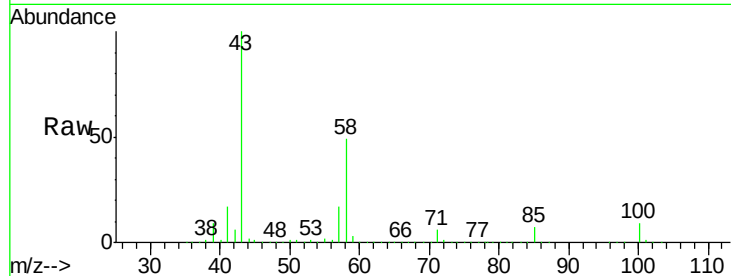
#59
2-Hexanone
Concen: 247.281 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	25.9	77.7

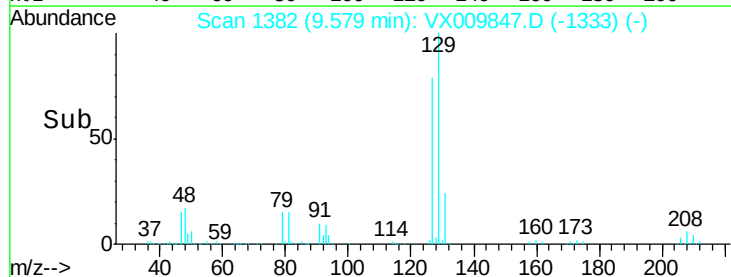
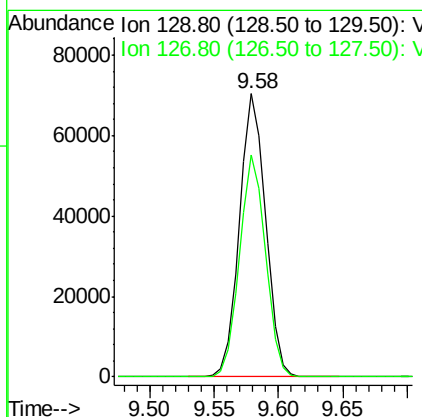
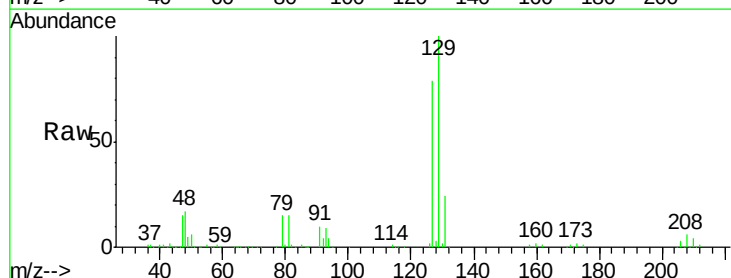
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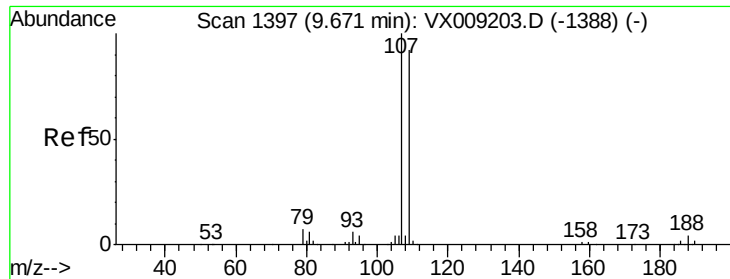
MMDadoda
5/24/2019 9:01:47 AM



#60
Dibromochloromethane
Concen: 47.515 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.1





#61

1,2-Dibromoethane

Concen: 47.038 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 101307

Ion Ratio Lower Upper

107 100

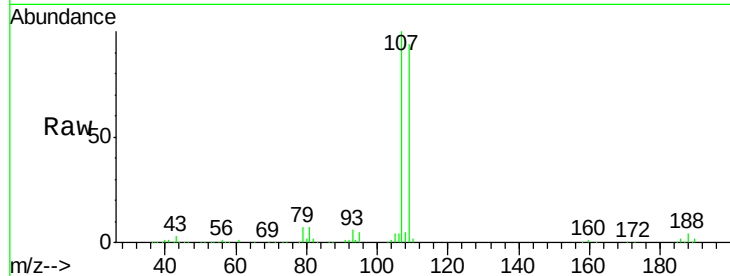
109 93.7 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

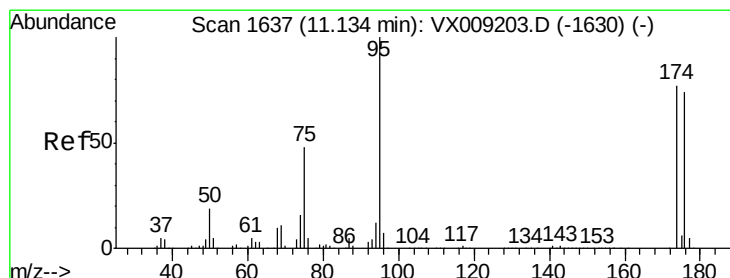
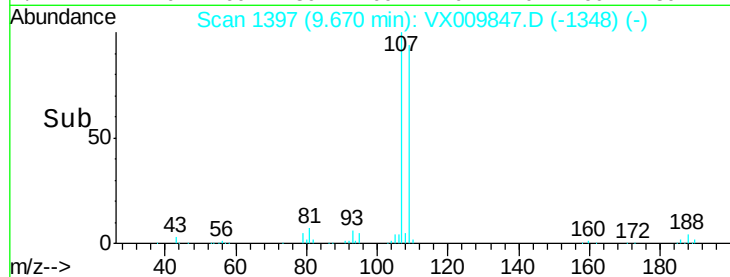
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 46.131 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

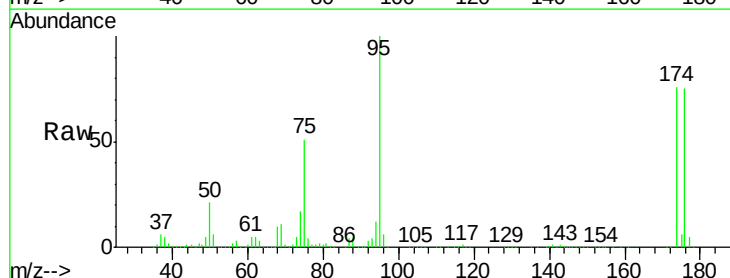
Tgt Ion: 95 Resp: 127260

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.6

176 78.6 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

11.13

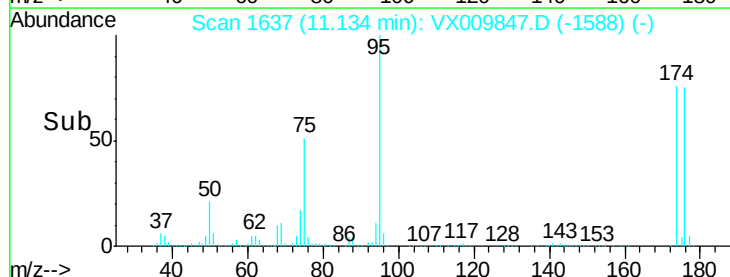
100000

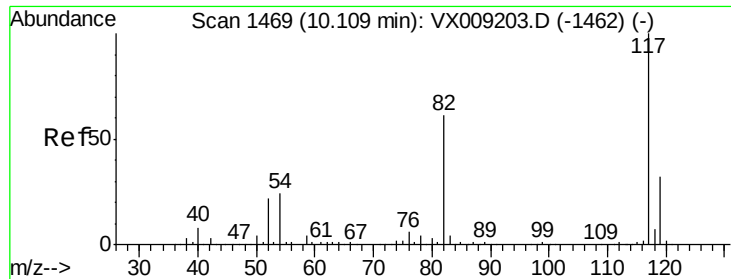
50000

0

Time-->

11.10 11.20





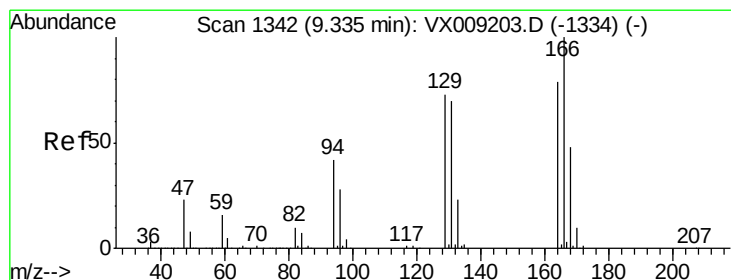
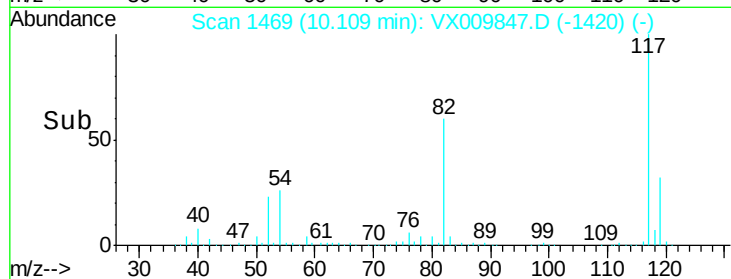
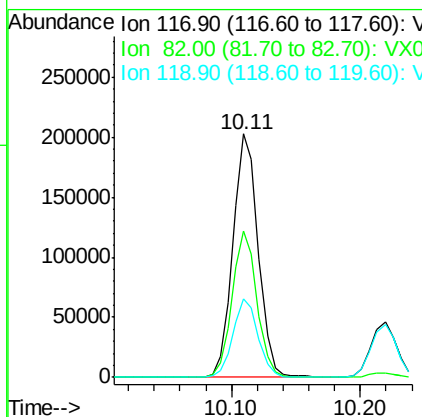
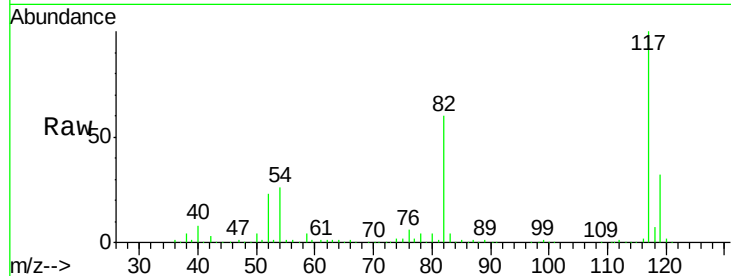
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277988		
82	60.2	48.8	73.2	
119	32.2	25.8	38.6	

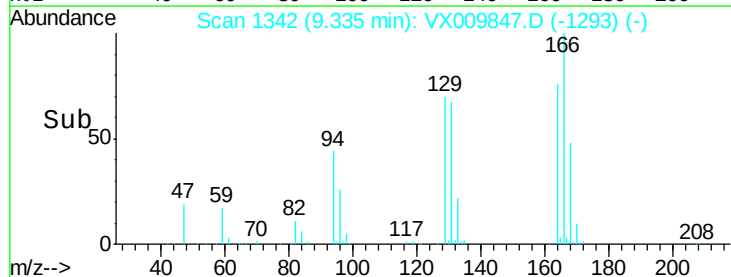
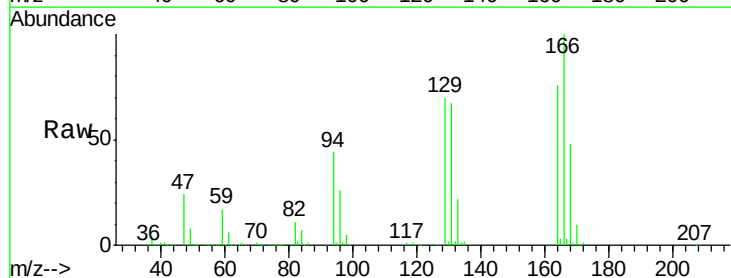
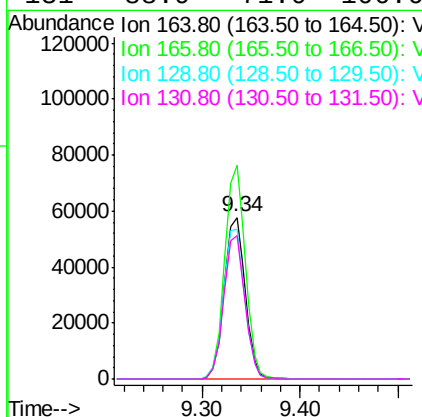
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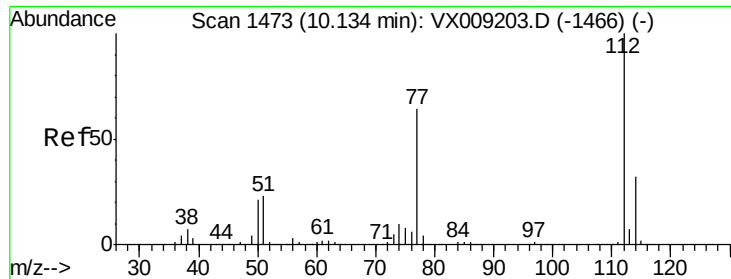
MMDadoda
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#64
Tetrachloroethene
Concen: 45.107 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86014		
166	132.2	101.2	151.8	
129	93.0	74.3	111.5	
131	88.9	71.0	106.6	





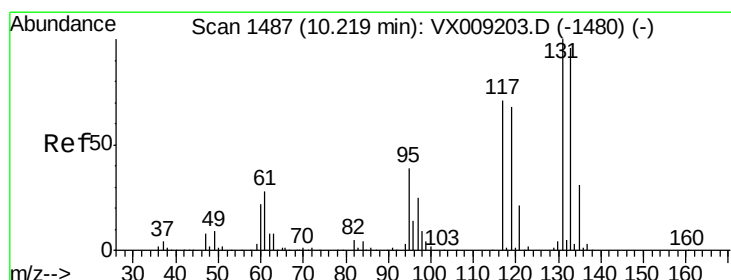
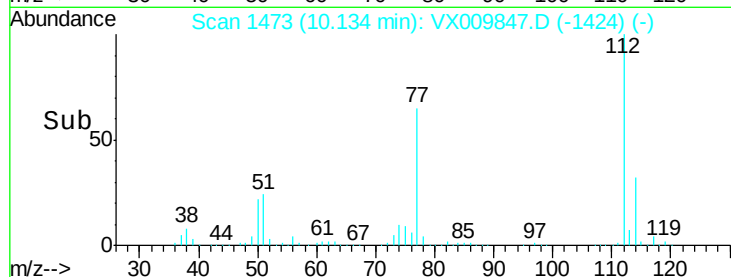
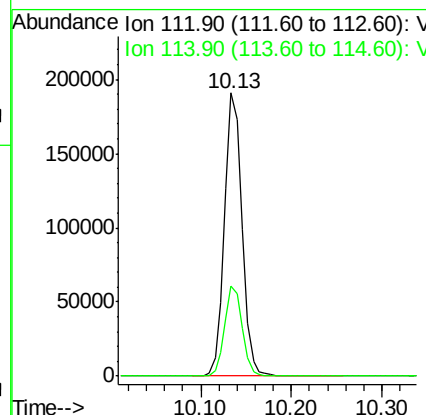
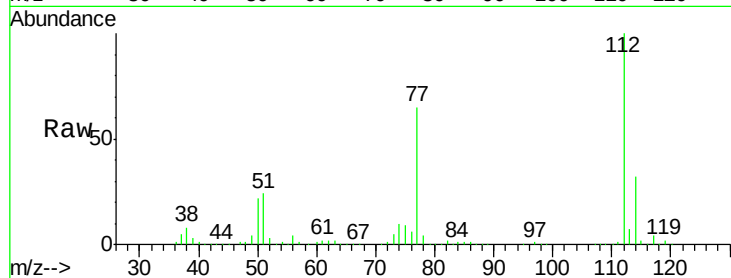
#65
Chlorobenzene
Concen: 46.544 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 258831
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

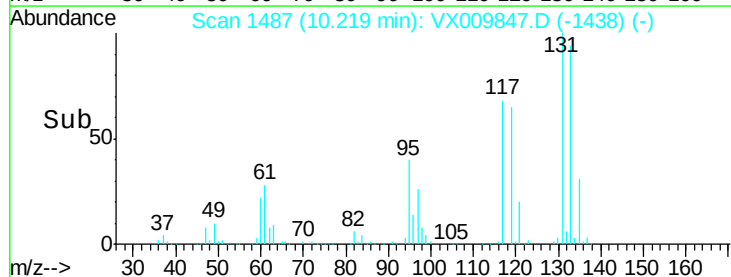
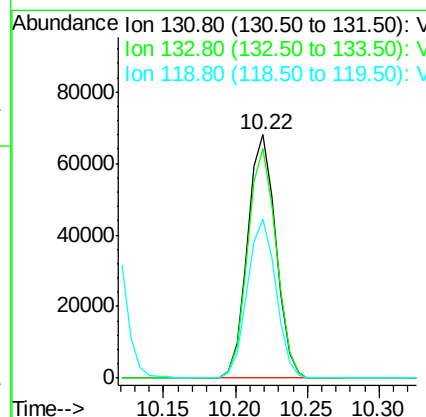
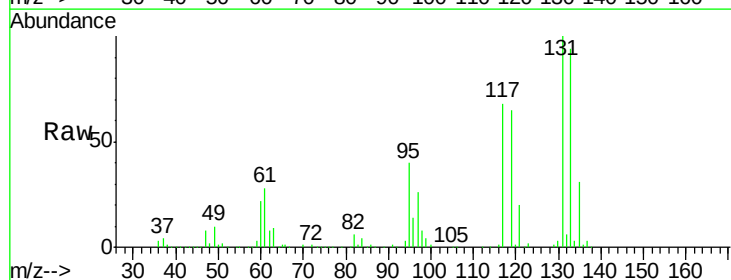
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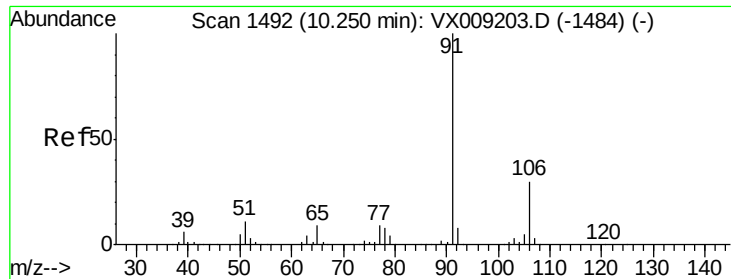
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.881 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion:131 Resp: 92501
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 66.1 33.5 100.4





#67

Ethyl Benzene

Concen: 46.875 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 479740

Ion Ratio Lower Upper

91 100

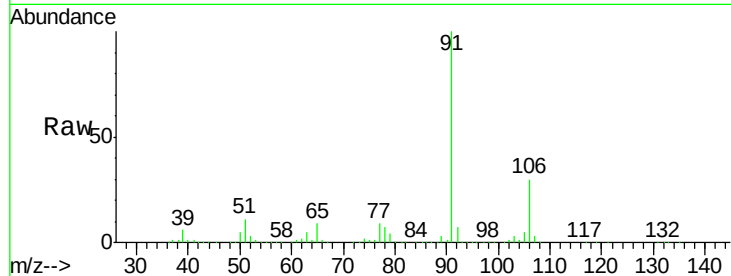
106 29.8 24.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

600000

500000

400000

300000

200000

100000

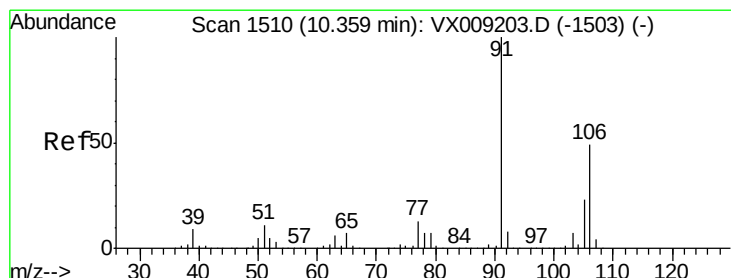
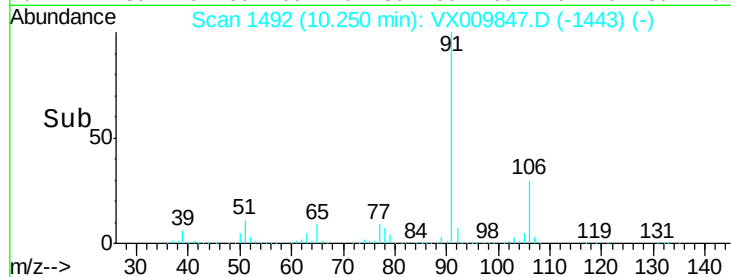
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 94.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009847.D

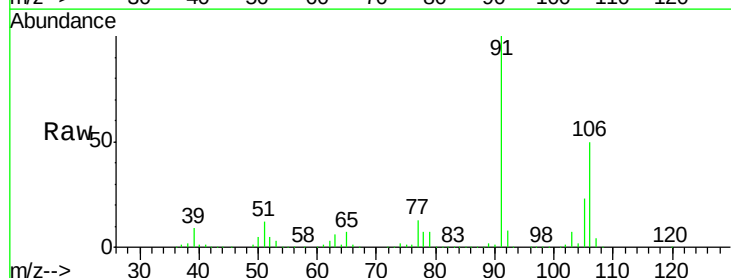
Acq: 23 May 2019 10:32

Tgt Ion:106 Resp: 352743

Ion Ratio Lower Upper

106 100

91 208.4 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

200000

100000

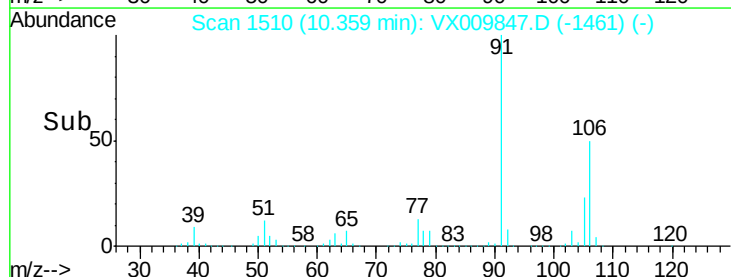
0

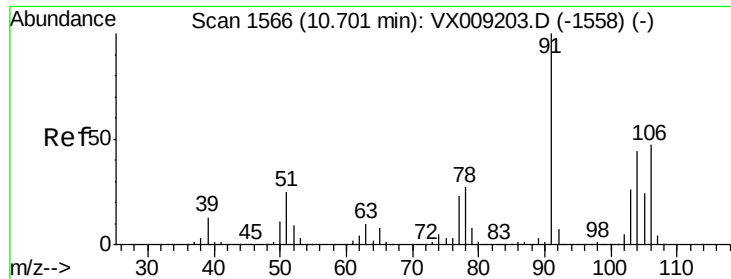
10.30

10.36

10.40

Time-->





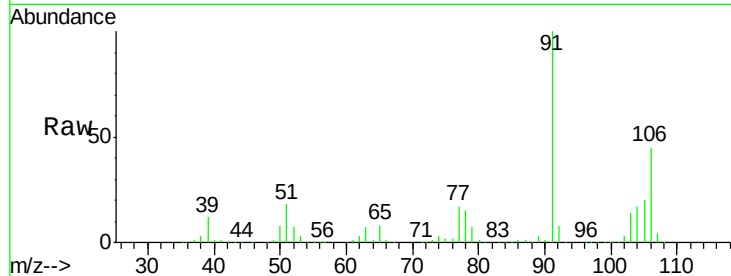
#69
o-Xylene
Concen: 46.512 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

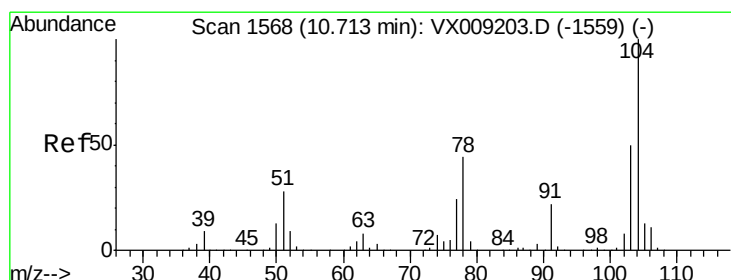
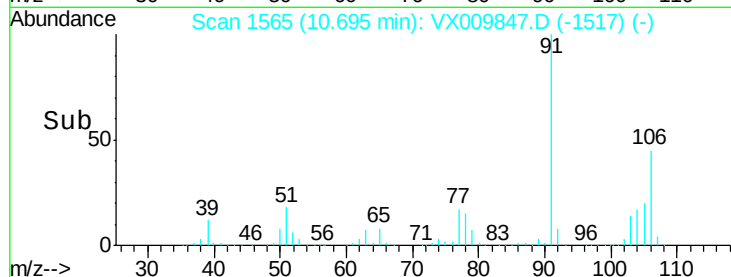
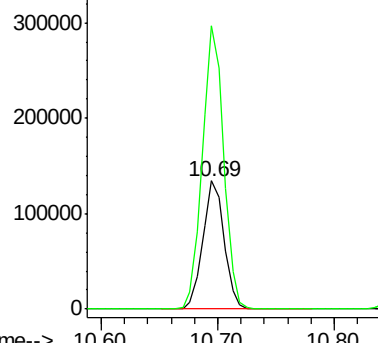
Tot Ion:106 Resp: 171630
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

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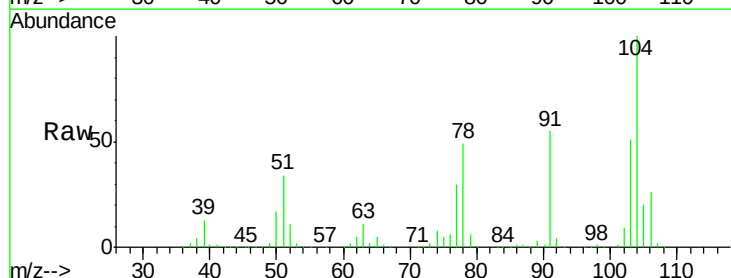


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

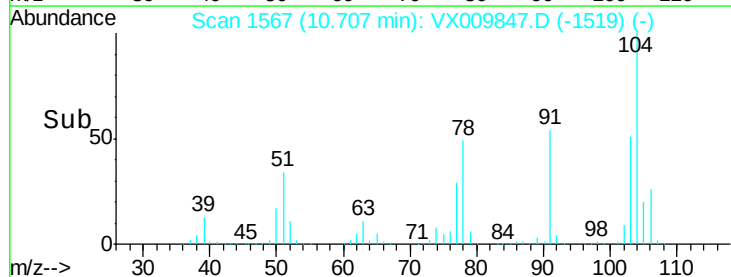
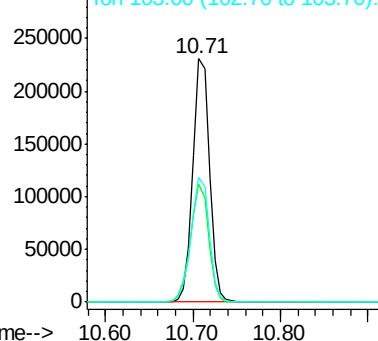


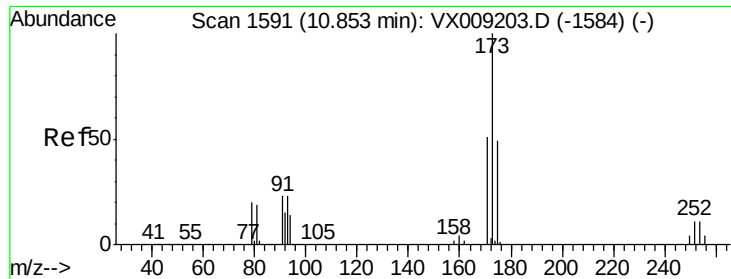
#70
Styrene
Concen: 47.460 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion:104 Resp: 304386
Ion Ratio Lower Upper
104 100
78 52.6 41.0 61.4
103 55.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 46.237 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

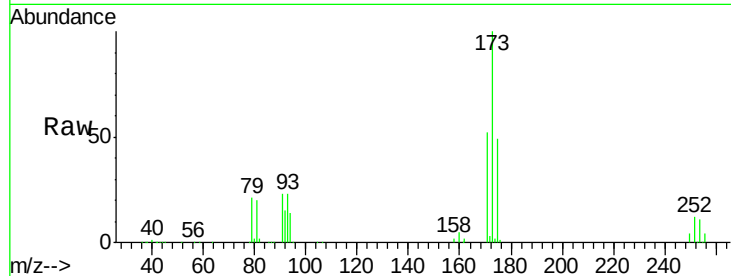
ClientSampleId :

VSTDCCC050

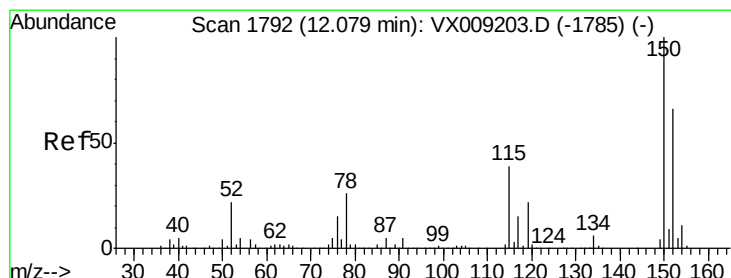
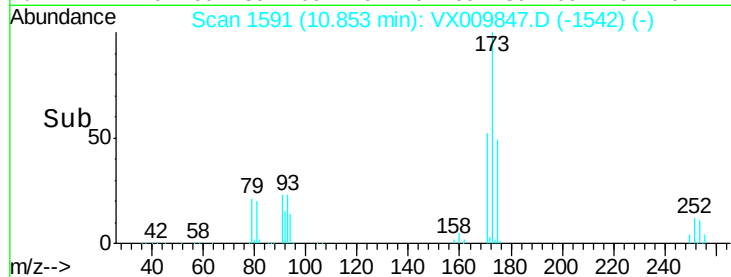
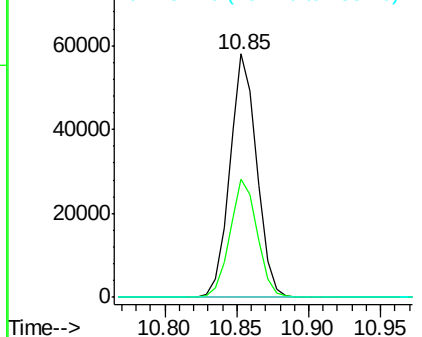
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.5	73.5
254	0.2	0.1	0.1#

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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

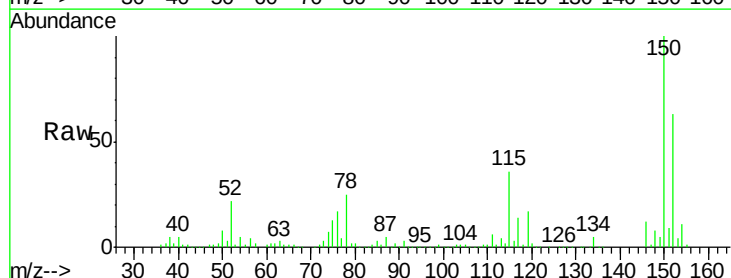
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

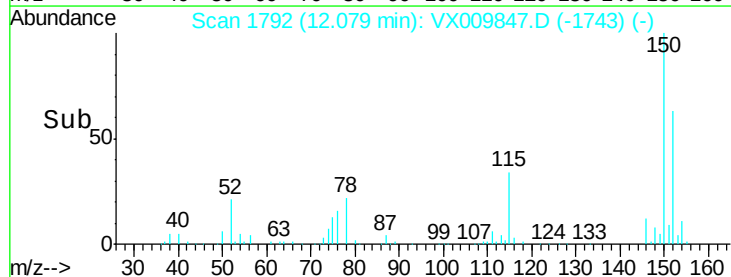
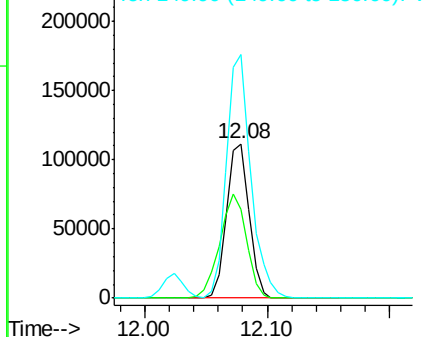
Lab File: VX009847.D

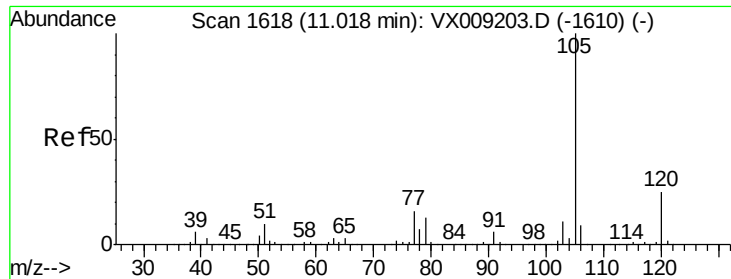
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.5	41.2	123.6
150	171.3	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: 44.924 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 459715

Ion Ratio Lower Upper

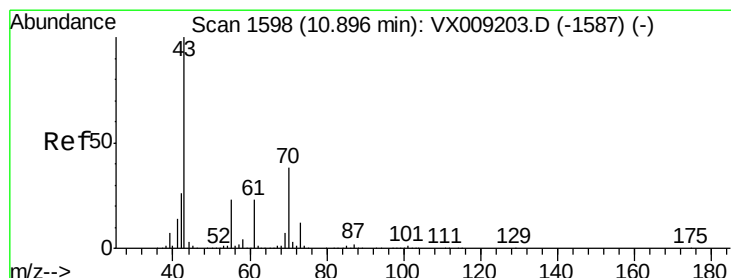
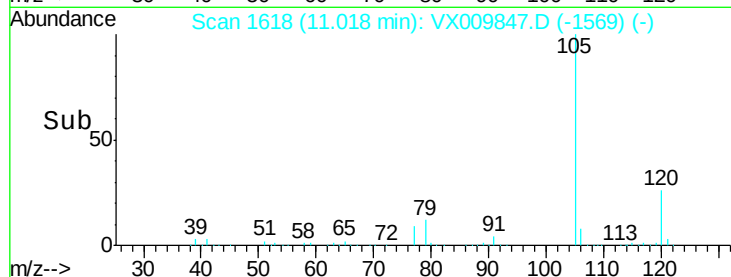
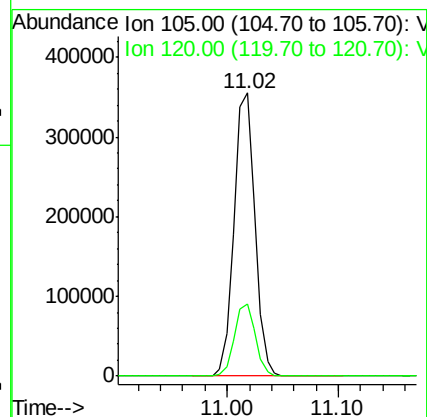
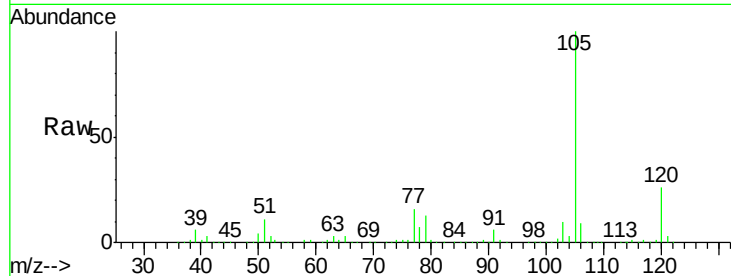
105 100

120 25.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 46.392 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion: 43 Resp: 276777

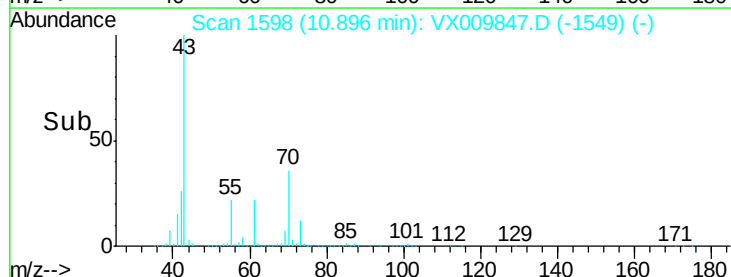
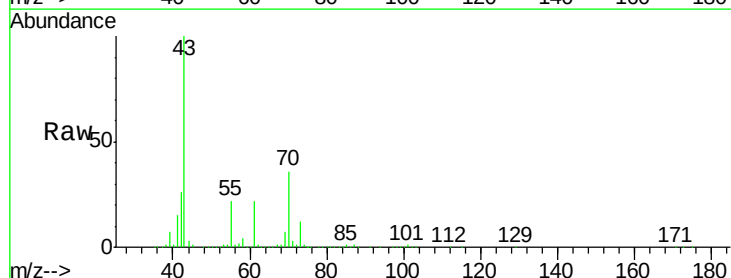
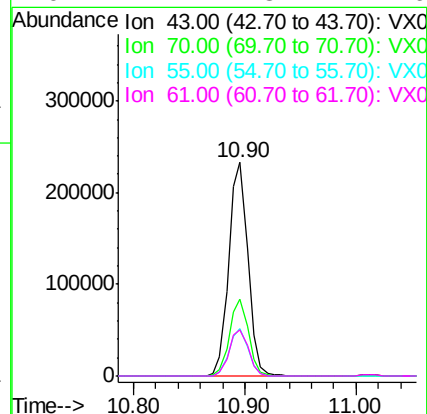
Ion Ratio Lower Upper

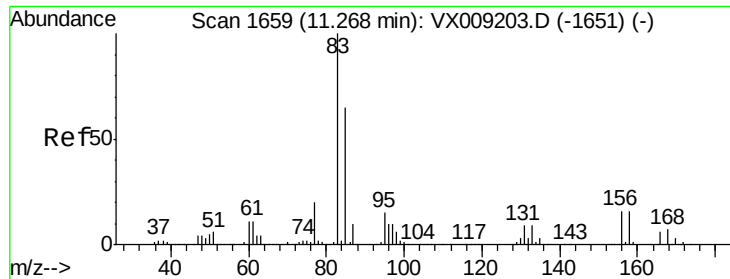
43 100

70 35.7 30.0 45.0

55 22.0 17.9 26.9

61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.270 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

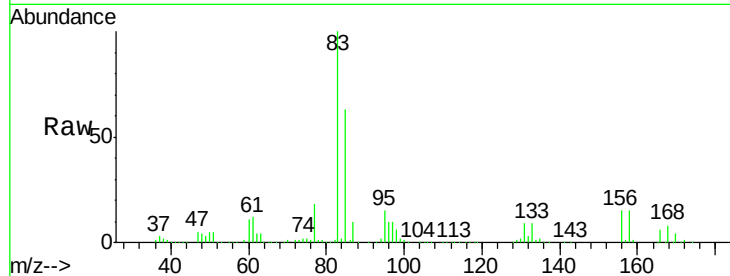
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161250
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	63.8	32.0	96.2

Manual Integrations
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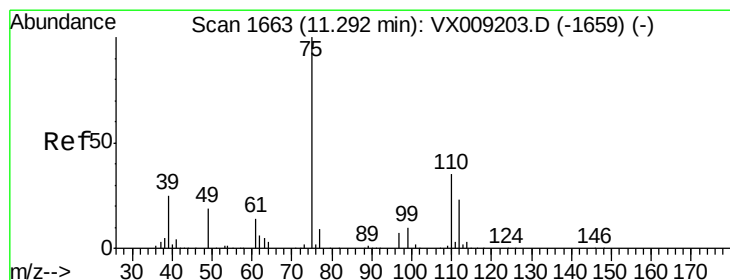
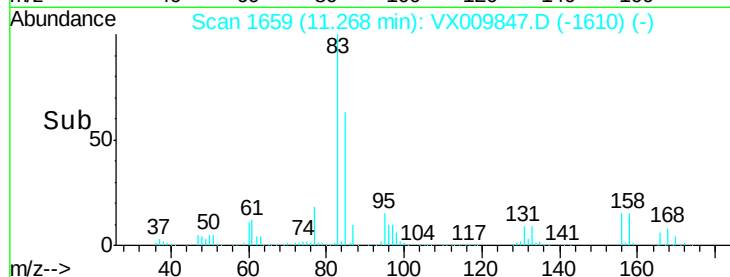
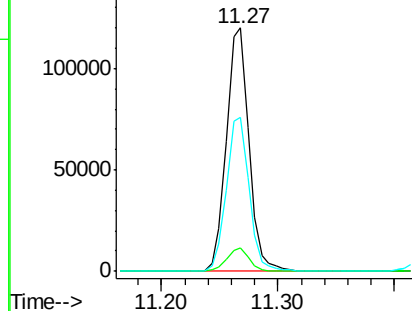
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 44.609 ug/l m

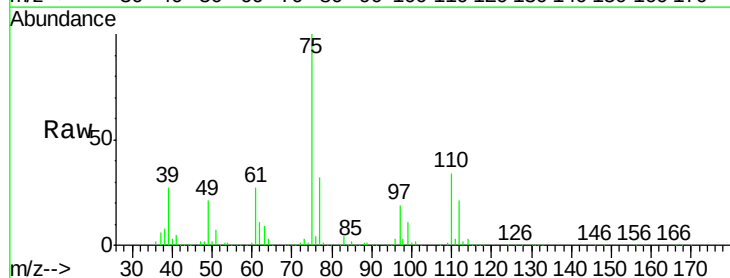
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009847.D

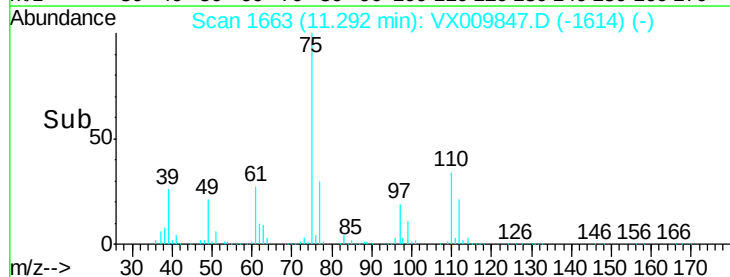
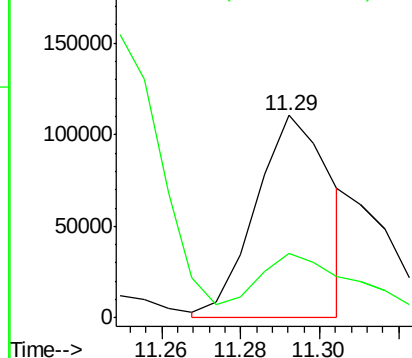
Acq: 23 May 2019 10:32

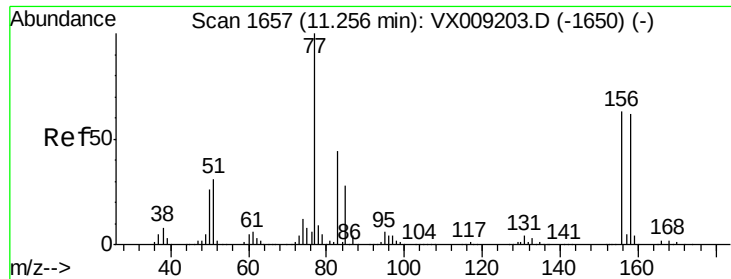
Tgt Ion:	75	Resp:	145616
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.867 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

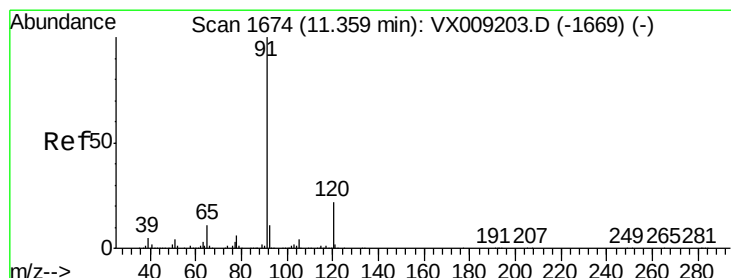
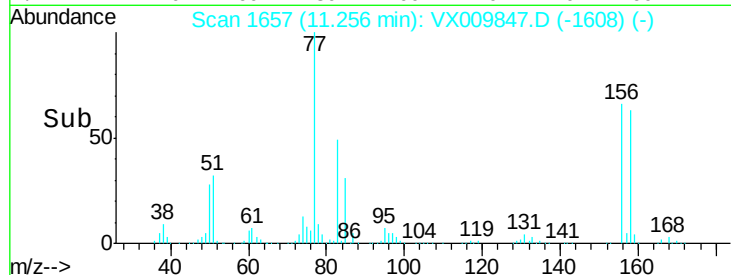
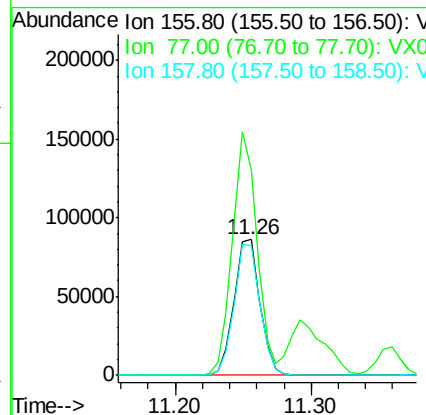
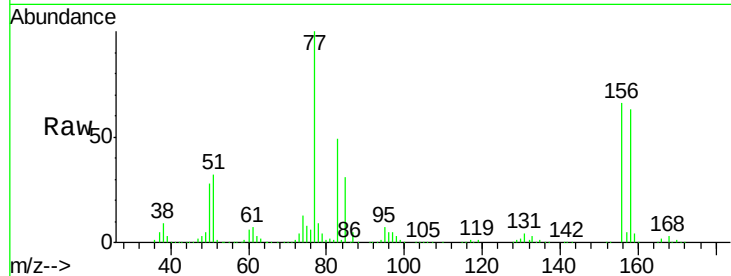
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.3	84.8	254.3
158	97.1	49.1	147.3

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#78

n-propylbenzene

Concen: 46.470 ug/l

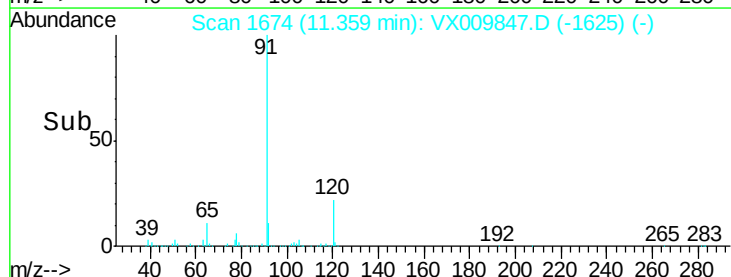
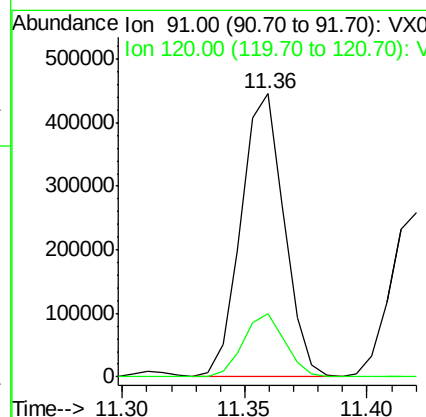
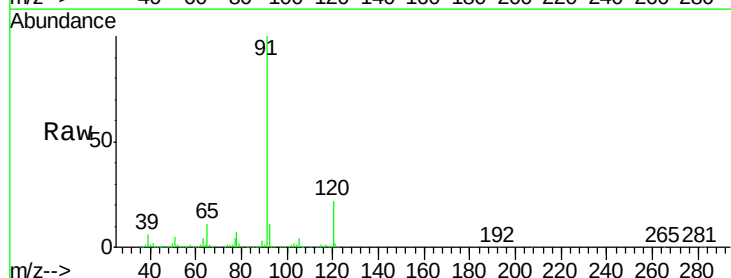
RT: 11.36 min Scan# 1674

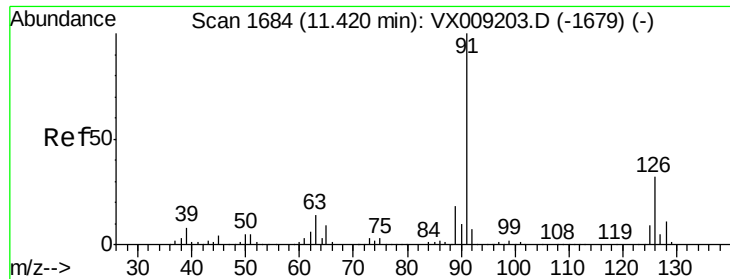
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.0	33.0





#79

2-Chlorotoluene

Concen: 44.382 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 320006

Ion Ratio Lower Upper

91 100

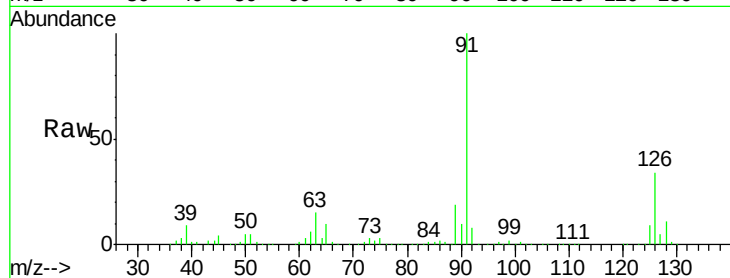
126 32.3 16.3 48.9

Manual Integrations

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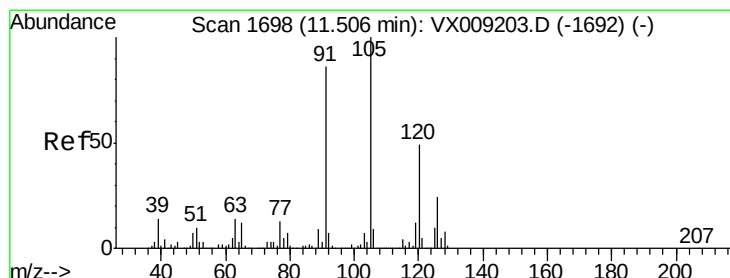
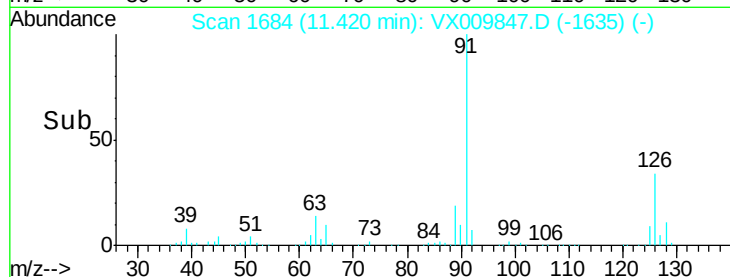
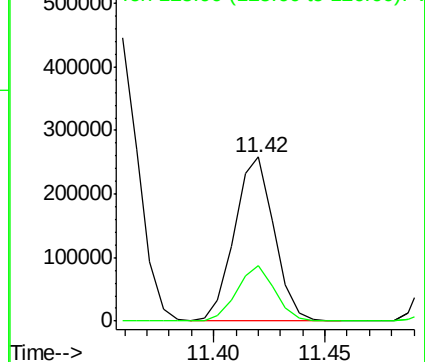
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.773 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009847.D

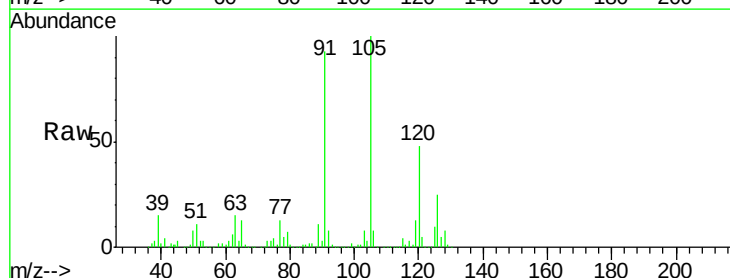
Acq: 23 May 2019 10:32

Tgt Ion:105 Resp: 394400

Ion Ratio Lower Upper

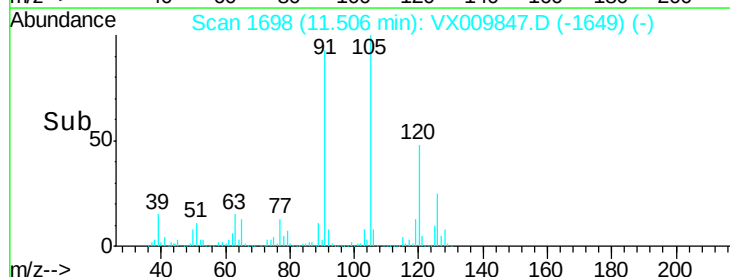
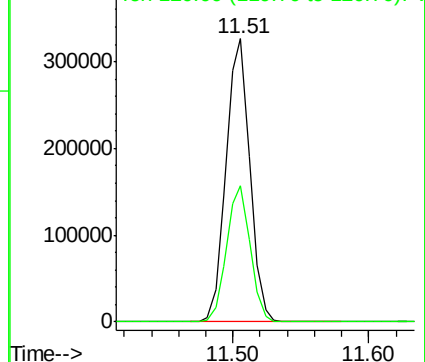
105 100

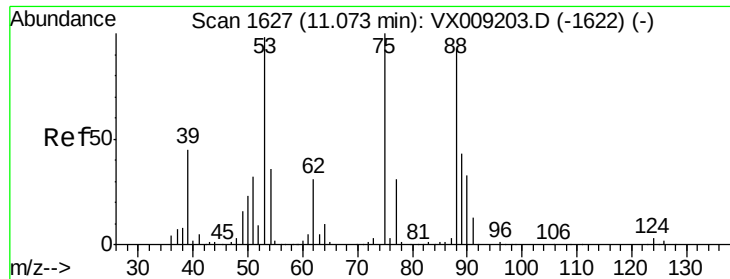
120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





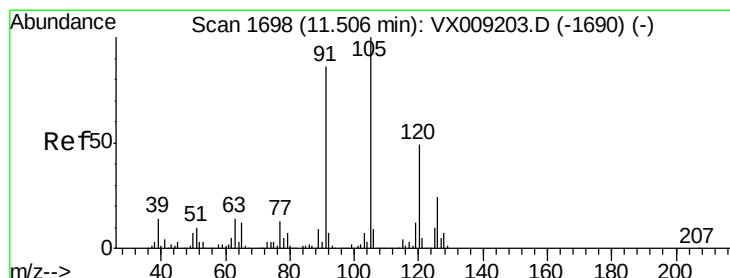
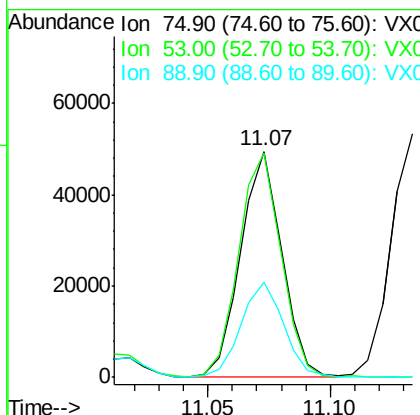
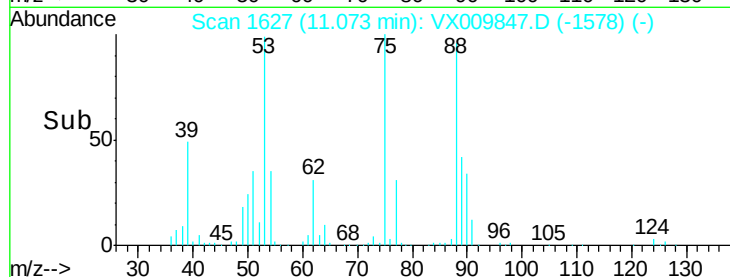
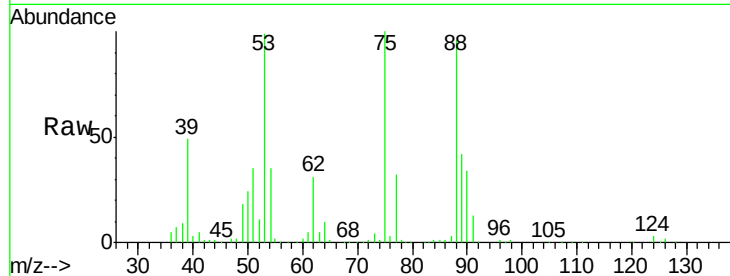
#81
trans-1,4-Dichloro-2-butene
Concen: 45.398 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	79.0	118.6
89	44.0	34.7	52.1

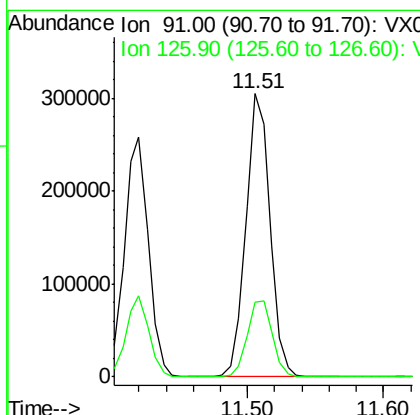
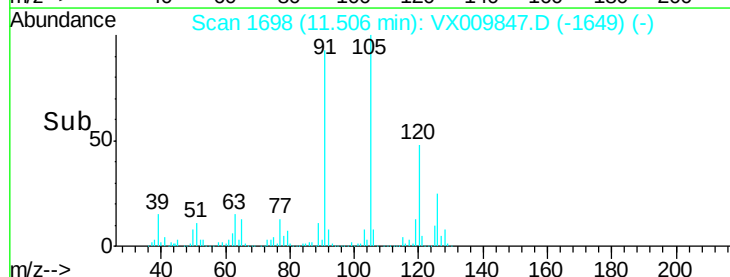
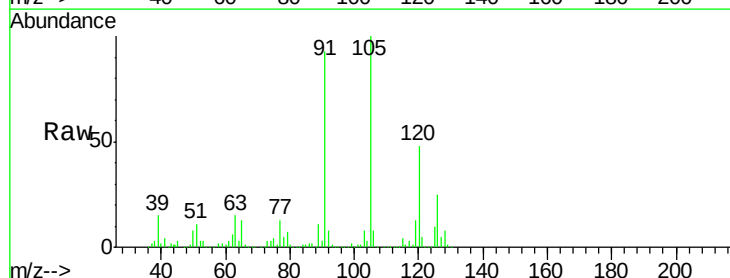
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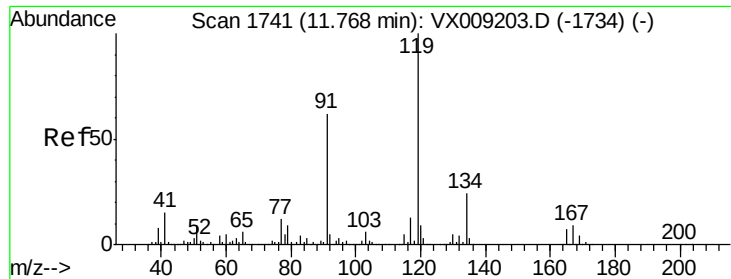
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.475 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.5	43.6





#83

tert-Butylbenzene

Concen: 44.799 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

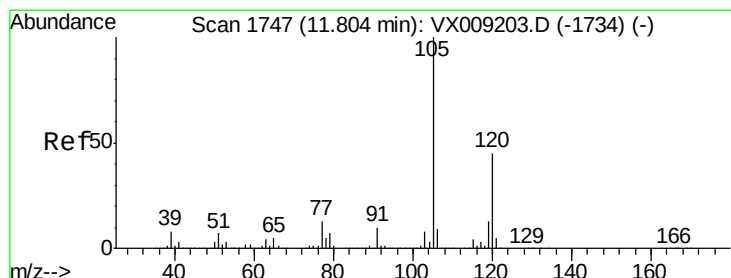
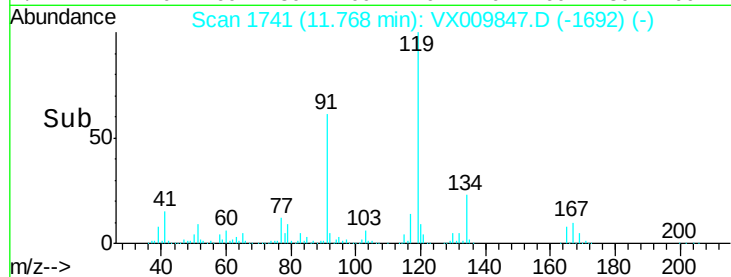
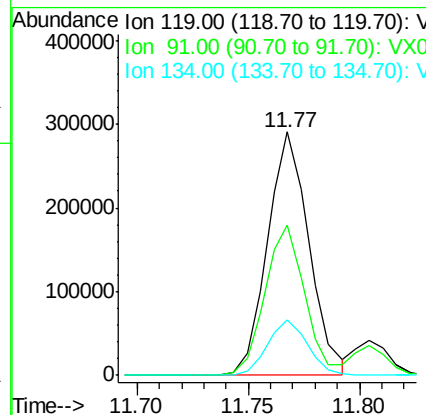
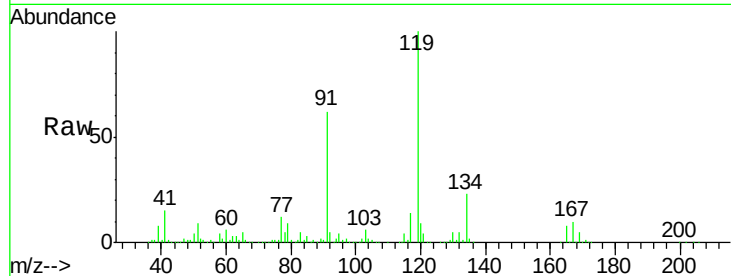
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	375504
Ion Ratio	Lower	Upper	
119	100		
91	59.5	29.5	88.5
134	22.0	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 46.364 ug/l

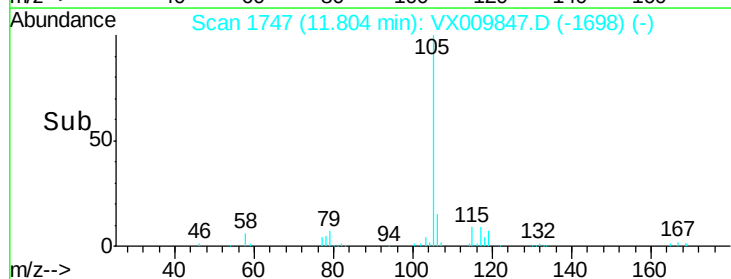
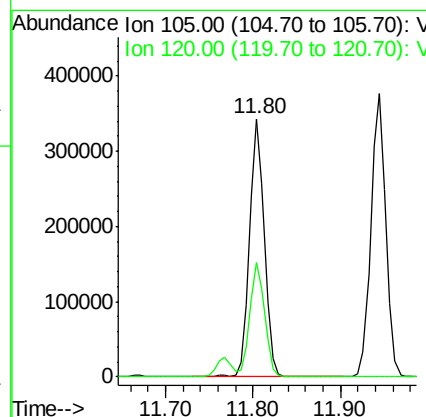
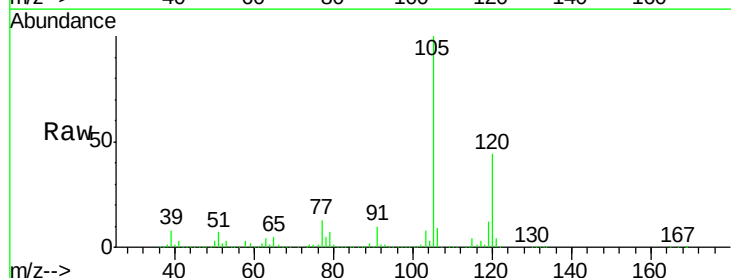
RT: 11.80 min Scan# 1747

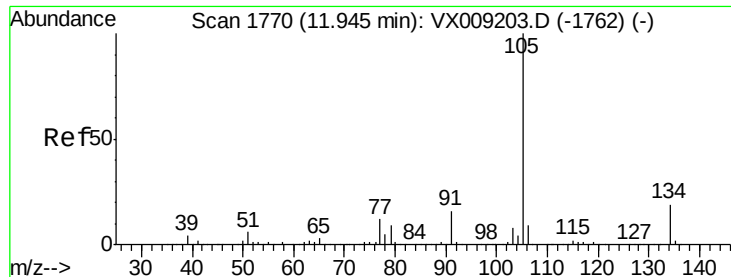
Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Tgt Ion:	105	Resp:	400991
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.0	66.0





#85

sec-Butylbenzene

Concen: 45.315 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 450318

Ion Ratio Lower Upper

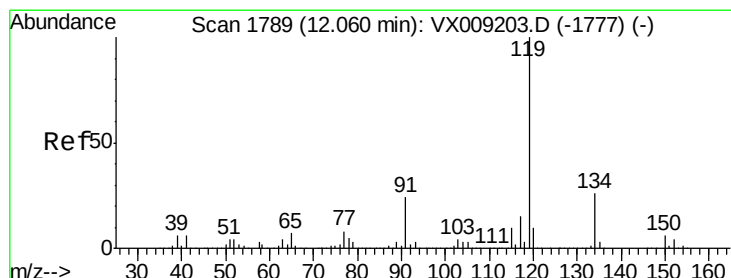
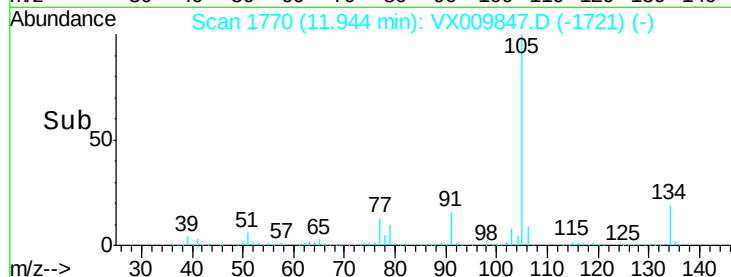
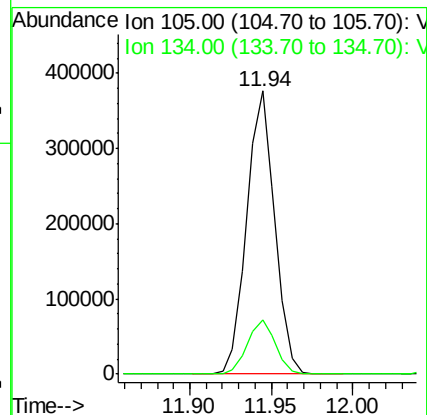
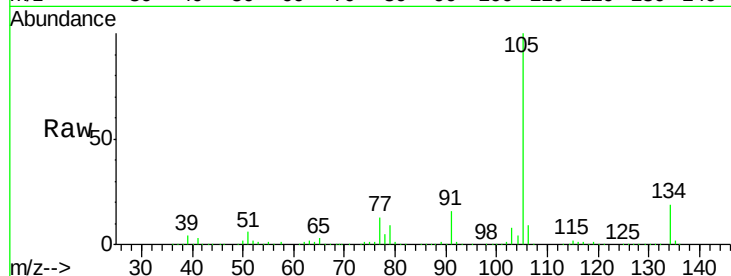
105 100

134 19.1 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 46.249 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009847.D

Acq: 23 May 2019 10:32

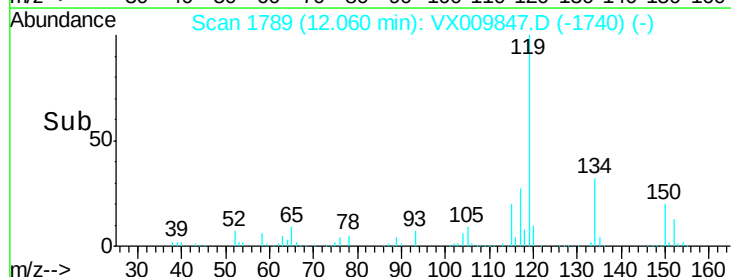
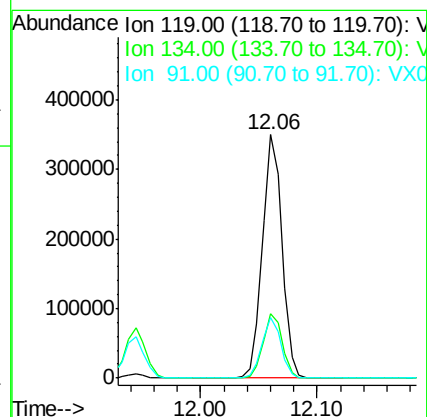
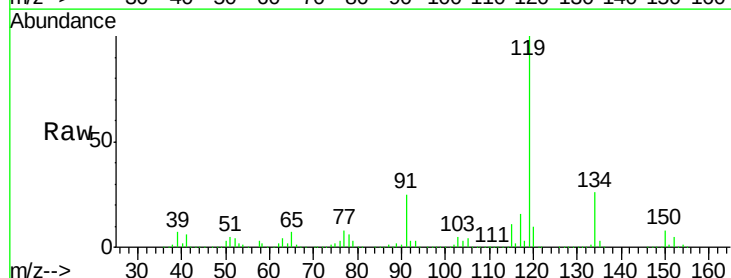
Tgt Ion:119 Resp: 413179

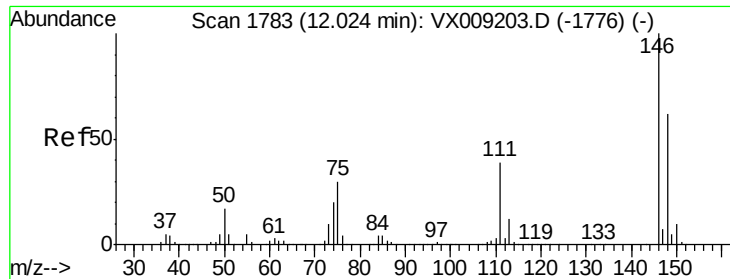
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 24.3 11.8 35.4





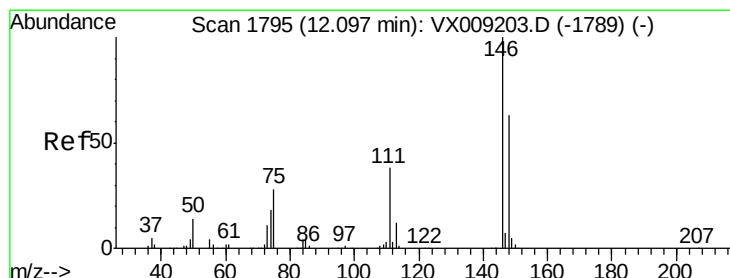
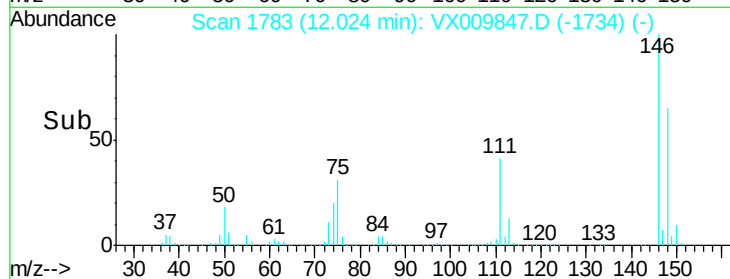
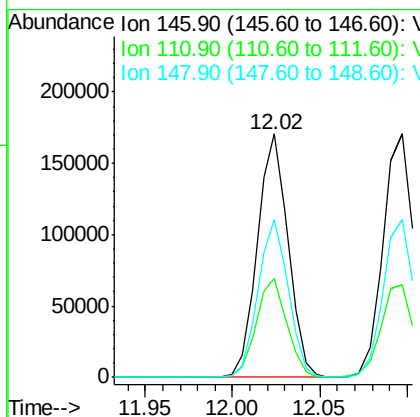
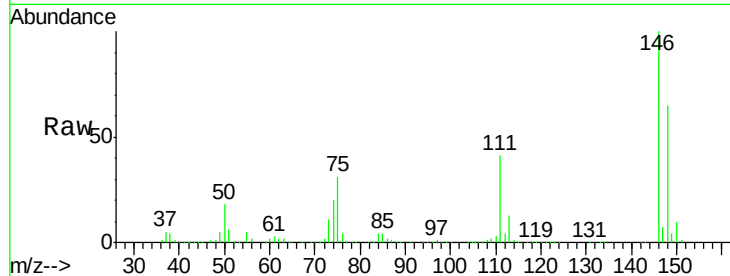
#87
 1,3-Dichlorobenzene
 Concen: 45.709 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	64.1	31.8	95.3

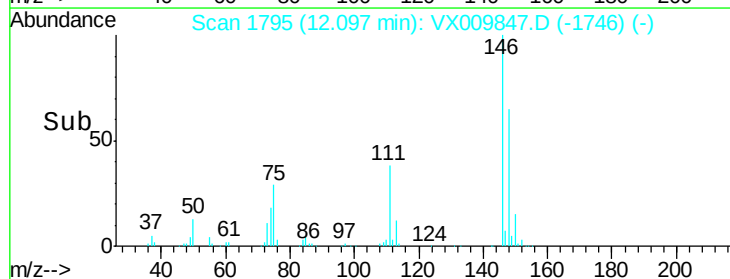
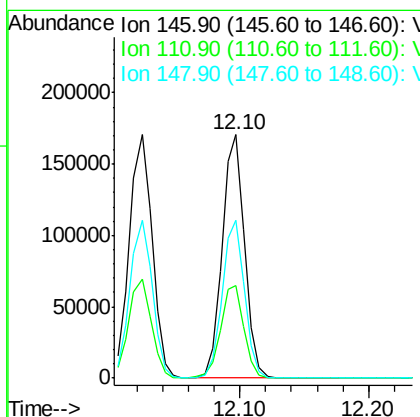
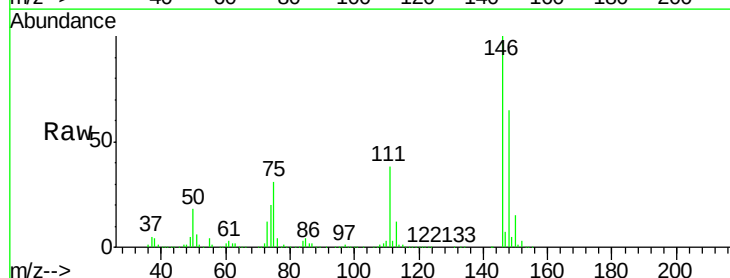
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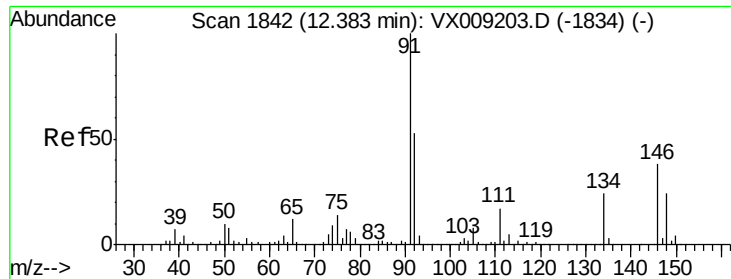
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#88
 1,4-Dichlorobenzene
 Concen: 45.687 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.8	31.8	95.3





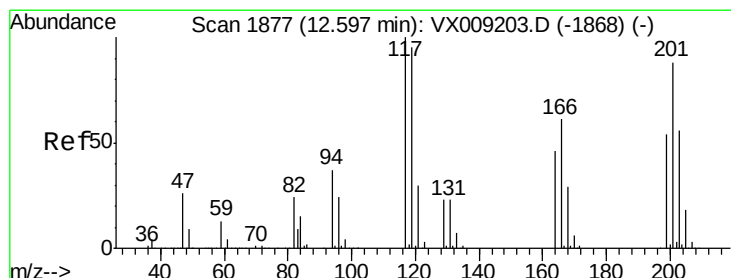
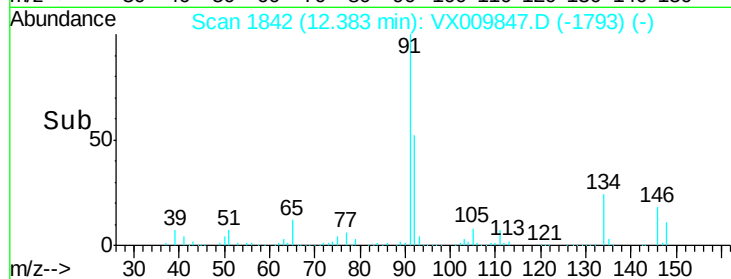
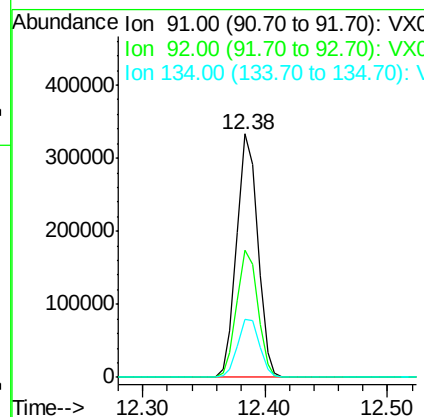
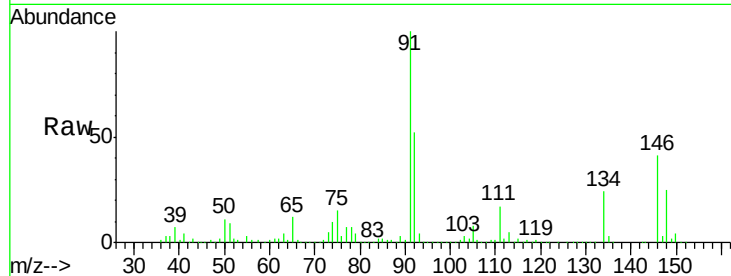
#89
n-Butylbenzene
Concen: 48.932 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.8	12.4	37.2

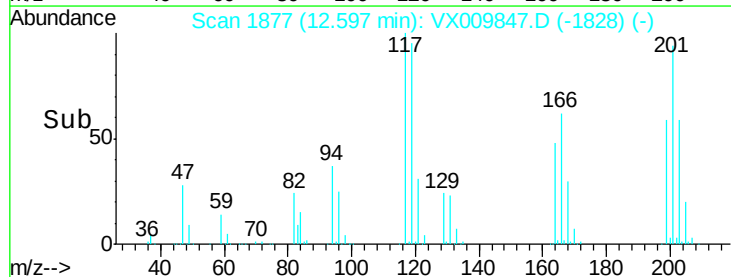
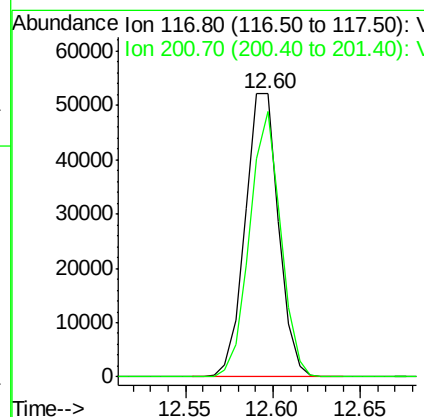
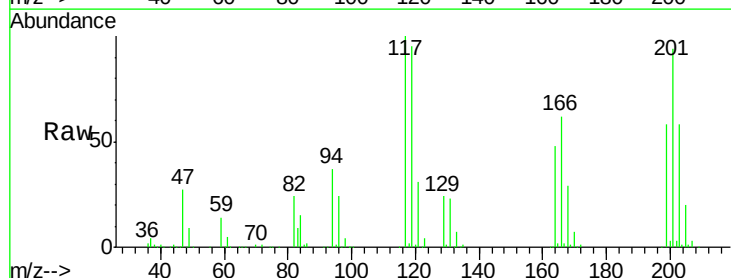
Manual Integrations
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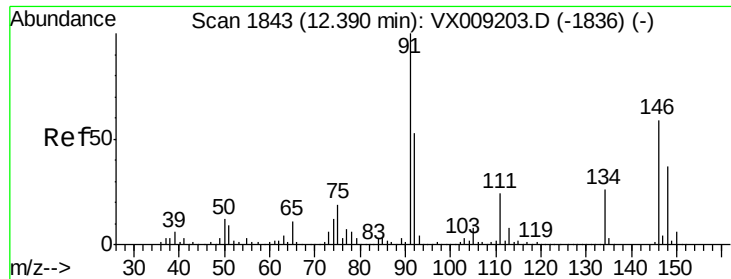
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#90
Hexachloroethane
Concen: 45.433 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	42.3	126.9





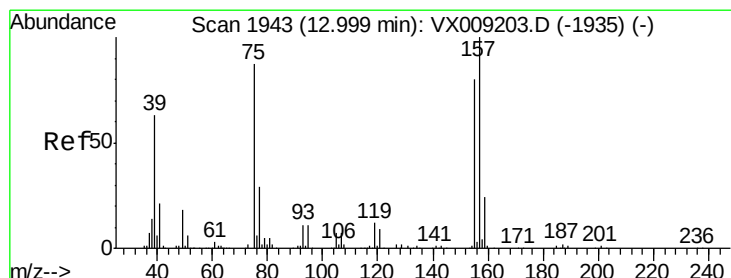
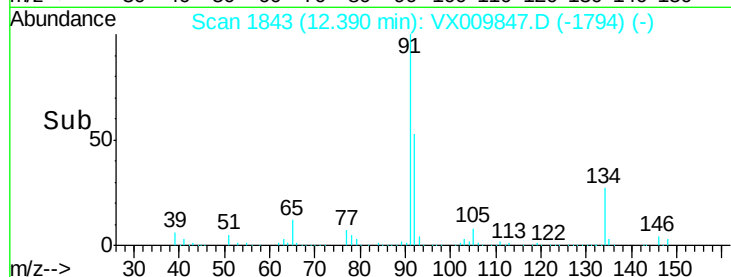
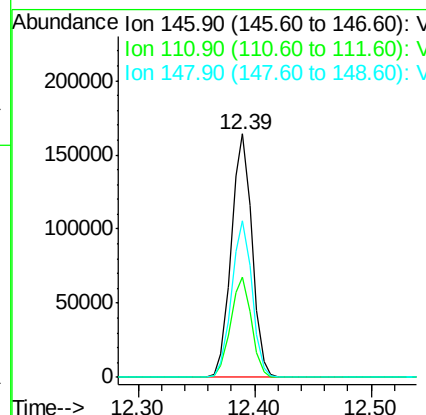
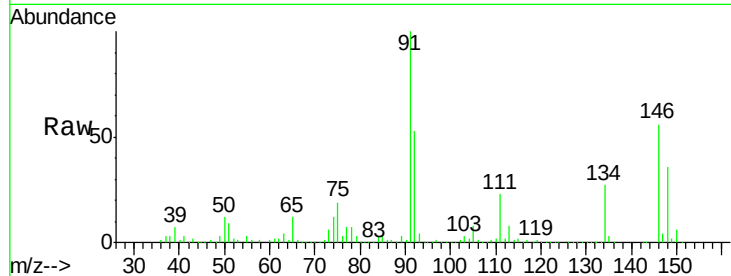
#91
 1,2-Dichlorobenzene
 Concen: 43.886 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.5	31.9	95.9

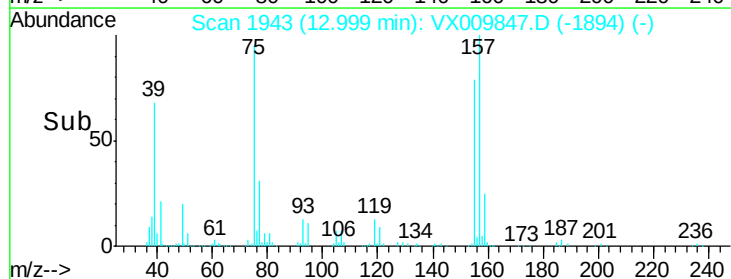
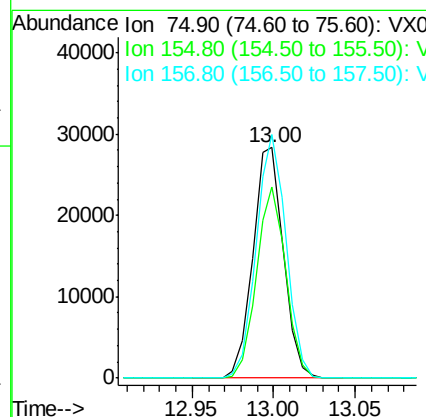
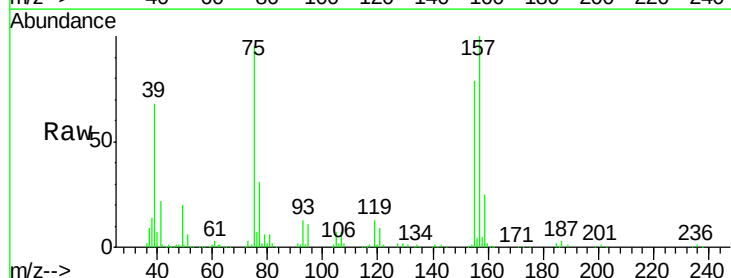
Manual Integrations
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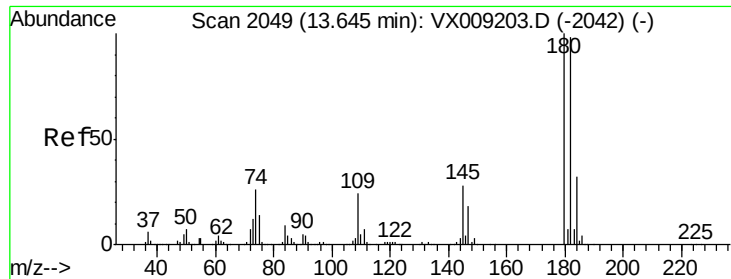
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.216 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	42.0	126.0
157	103.0	53.2	159.6





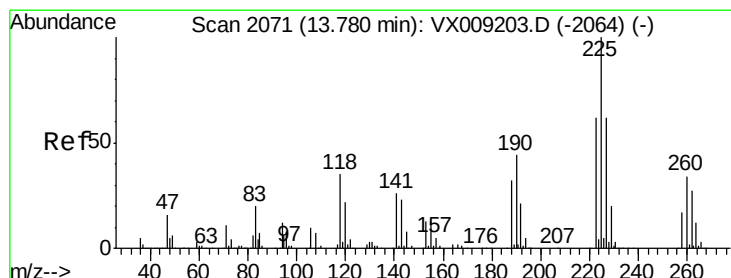
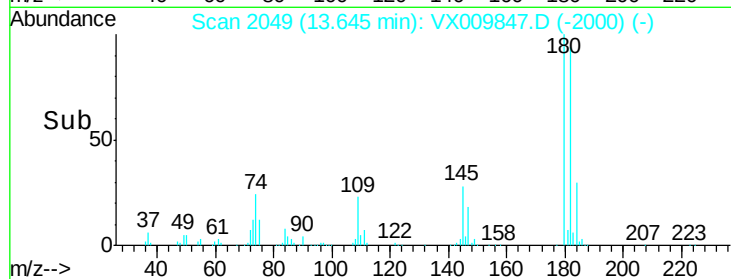
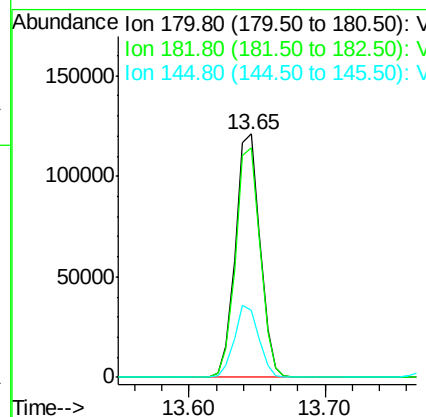
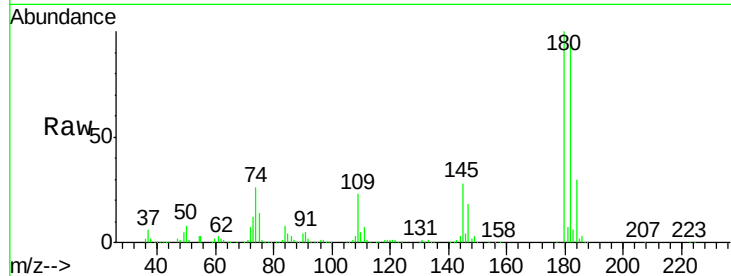
#93
 1,2,4-Trichlorobenzene
 Concen: 48.282 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152269		
182	94.6		48.4	145.2
145	29.3		14.6	43.8

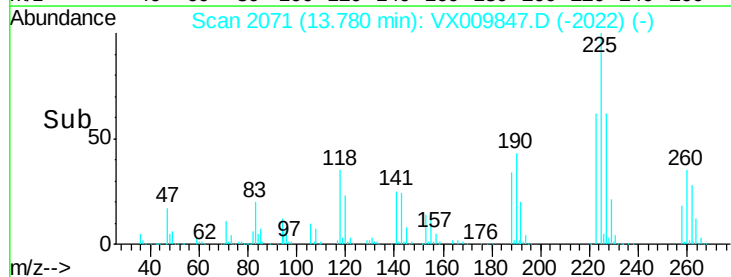
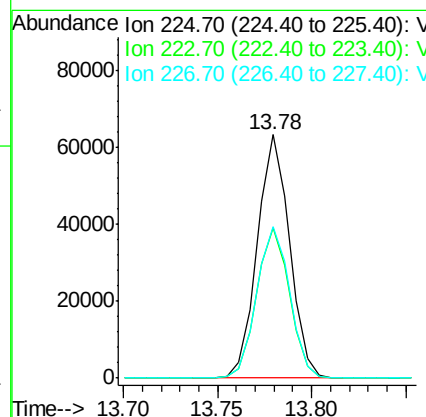
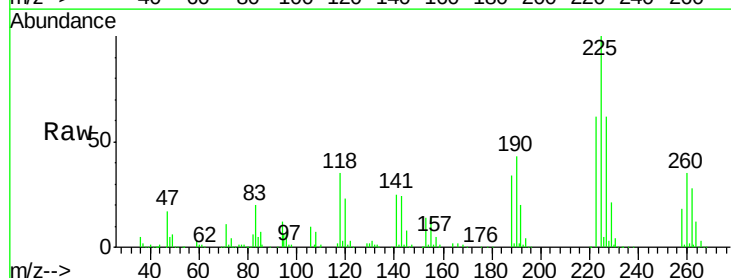
Manual Integrations
 APPROVED

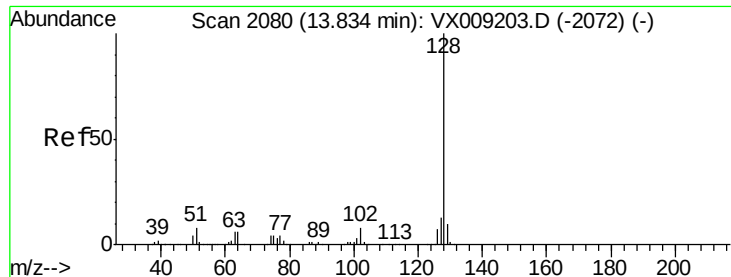
MMDadoda
 5/24/2019 9:01:47 AM



#94
 Hexachlorobutadiene
 Concen: 46.511 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009847.D
 Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74905		
223	63.0		31.3	93.8
227	63.6		31.8	95.3





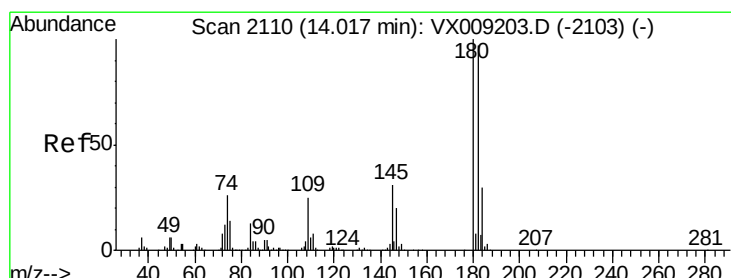
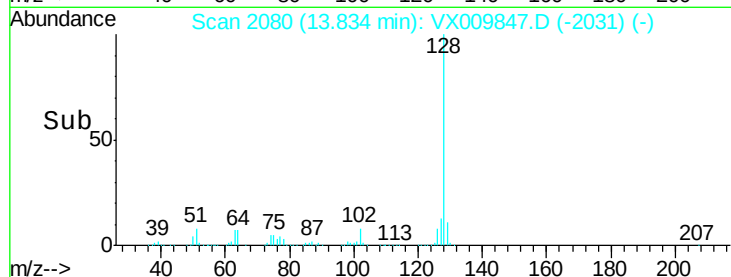
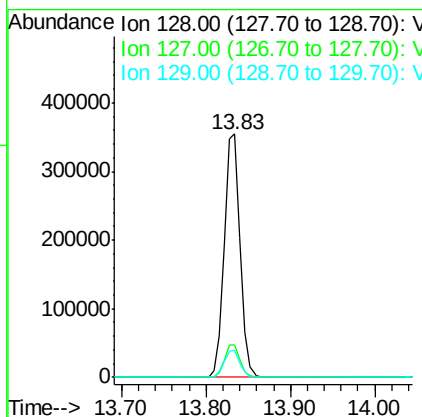
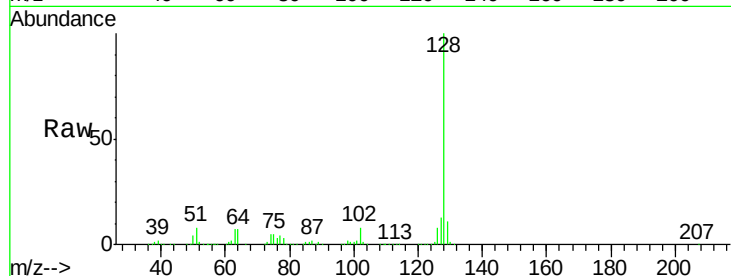
#95
Naphthalene
Concen: 44.884 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:01:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.737 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009847.D
Acq: 23 May 2019 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	30.7	15.4	46.4

