

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009622.D
 Acq On : 16 May 2019 21:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:34 PM

Quant Time: May 17 07:31:01 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	159492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	106723	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.50	113	79882	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	8.71	98	314726	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	120871	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60965	41.480	ug/l	100
3) Chloromethane	1.32	50	94687	47.188	ug/l	99
4) Vinyl Chloride	1.41	62	93214	47.639	ug/l	100
5) Bromomethane	1.64	94	54933	46.775	ug/l	96
6) Chloroethane	1.71	64	59420	47.299	ug/l	97
7) Trichlorofluoromethane	1.92	101	117398	49.359	ug/l	98
8) Diethyl Ether	2.19	74	55557	49.313	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71571	47.919	ug/l	99
10) Methyl Iodide	2.51	142	92531	53.015	ug/l	99
11) Tert butyl alcohol	3.06	59	135673	269.202	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72331	48.334	ug/l	97
13) Acrolein	2.29	56	101991	223.458	ug/l	100
14) Allyl chloride	2.72	41	176760	48.468	ug/l	99
15) Acrylonitrile	3.15	53	322520	261.728	ug/l	100
16) Acetone	2.45	43	282100	241.297	ug/l	99
17) Carbon Disulfide	2.56	76	187271	44.572	ug/l	99
18) Methyl Acetate	2.78	43	151203	54.383	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	295241	50.805	ug/l	99
20) Methylene Chloride	2.85	84	90403	47.758	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	78054	48.094	ug/l	97
22) Diisopropyl ether	3.85	45	355698	50.716	ug/l	96
23) Vinyl Acetate	3.82	43	1590792	264.877	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171788	49.652	ug/l	99
25) 2-Butanone	4.68	43	479643	264.012	ug/l	99
26) 2,2-Dichloropropane	4.59	77	110722	42.994	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	95807	49.457	ug/l	98
28) Bromochloromethane	5.02	49	61732	43.994	ug/l	100
29) Tetrahydrofuran	5.13	42	317251	271.371	ug/l	99
30) Chloroform	5.21	83	158033	50.502	ug/l	100
31) Cyclohexane	5.58	56	156061	48.482	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	129986	49.900	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115815	49.160	ug/l	100
37) Ethyl Acetate	4.84	43	176818	53.867	ug/l	99
38) Carbon Tetrachloride	5.78	117	107204	50.084	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140503	48.562	ug/l	99
40) Benzene	6.14	78	364917	50.050	ug/l	99
41) Methacrylonitrile	5.04	41	101383	51.886	ug/l	100
42) 1,2-Dichloroethane	6.20	62	134560	51.448	ug/l	99
43) Isopropyl Acetate	6.45	43	283331	53.963	ug/l	99
44) Trichloroethene	7.21	130	85939	48.756	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105828	51.260	ug/l	98
46) Dibromomethane	7.66	93	59692	49.789	ug/l	98
47) Bromodichloromethane	7.90	83	123741	51.742	ug/l	97
48) Methyl methacrylate	7.77	41	143222	54.982	ug/l	99
49) 1,4-Dioxane	7.74	88	55229	1045.471	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	970507	282.796	ug/l	99
52) Toluene	8.79	92	225059	50.780	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141983	52.586	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154381	51.658	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	93361	51.633	ug/l	95
56) Ethyl methacrylate	9.18	69	173924	53.885	ug/l	99
57) 1,3-Dichloropropane	9.37	76	163698	51.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	384851	224.761	ug/l	100
59) 2-Hexanone	9.49	43	755051	280.135	ug/l	99
60) Dibromochloromethane	9.58	129	93673	53.042	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95292	52.209	ug/l	99
64) Tetrachloroethene	9.34	164	76359	47.526	ug/l	97
65) Chlorobenzene	10.14	112	236785	50.535	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87072	51.258	ug/l	99
67) Ethyl Benzene	10.25	91	439571	50.975	ug/l	99
68) m/p-Xylenes	10.36	106	321424	102.000	ug/l	98
69) o-Xylene	10.69	106	158794	51.073	ug/l	99
70) Styrene	10.71	104	281252	52.046	ug/l	99
71) Bromoform	10.86	173	73503	53.245	ug/l	99
73) Isopropylbenzene	11.02	105	420369	47.783	ug/l	99
74) N-amyl acetate	10.90	43	267253	52.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162843	49.654	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140808m	50.177	ug/l	
77) Bromobenzene	11.26	156	105618	48.370	ug/l	100
78) n-propylbenzene	11.36	91	491196	48.890	ug/l	99
79) 2-Chlorotoluene	11.42	91	296032	47.758	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	363281	49.043	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	54066	49.295	ug/l	99
82) 4-Chlorotoluene	11.51	91	342523	48.914	ug/l	99
83) tert-Butylbenzene	11.77	119	352132	48.867	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	364827	49.068	ug/l	100
85) sec-Butylbenzene	11.94	105	416370	48.737	ug/l	100
86) p-Isopropyltoluene	12.06	119	382142	49.757	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190439	48.924	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	192431	49.034	ug/l	99
89) n-Butylbenzene	12.38	91	347556	50.068	ug/l	99
90) Hexachloroethane	12.59	117	64664	49.420	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	192831	48.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37049	50.359	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137044	50.547	ug/l	98
94) Hexachlorobutadiene	13.78	225	70169	50.681	ug/l	99
95) Naphthalene	13.83	128	451917	51.233	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137981	50.206	ug/l	99

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

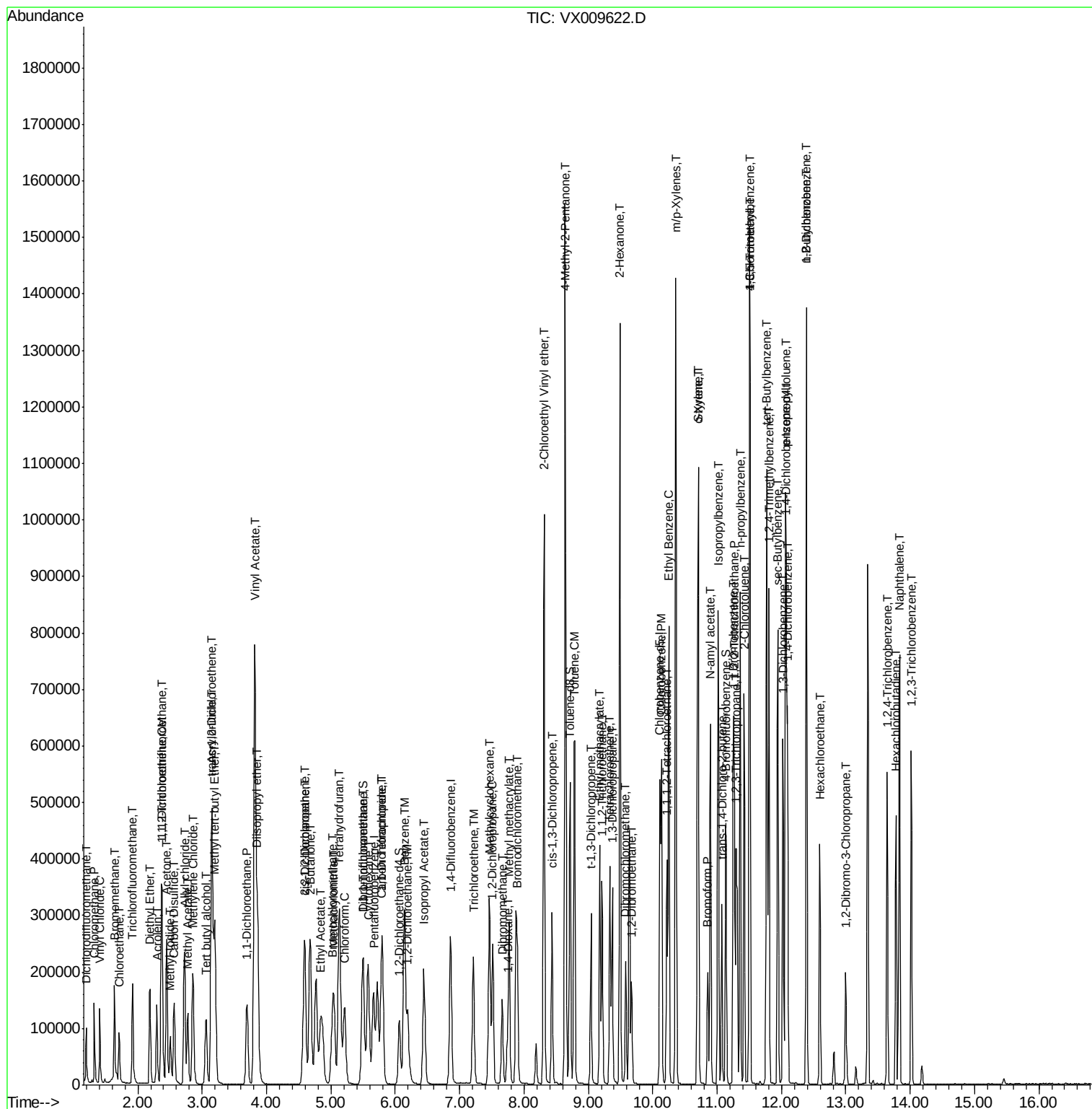
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051619\
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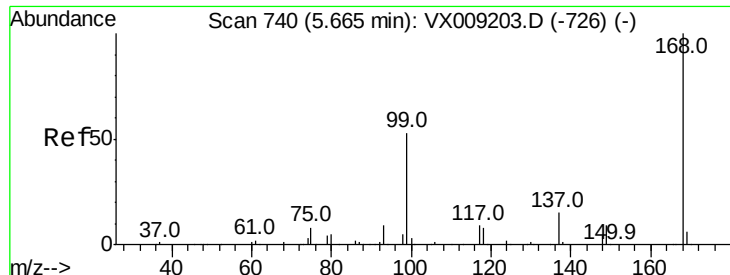
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159492

Ion Ratio Lower Upper

168 100

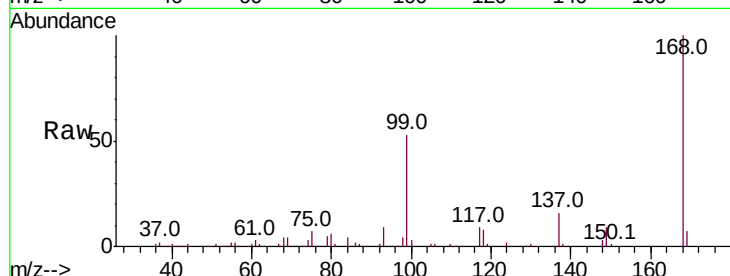
99 52.8 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

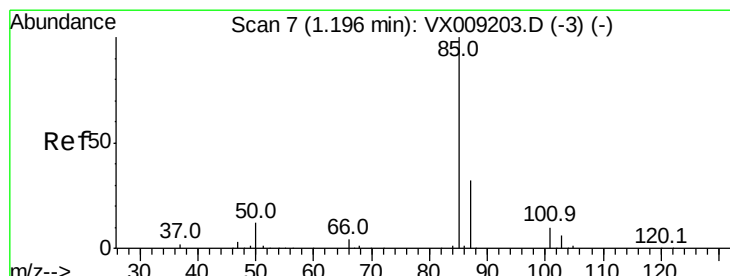
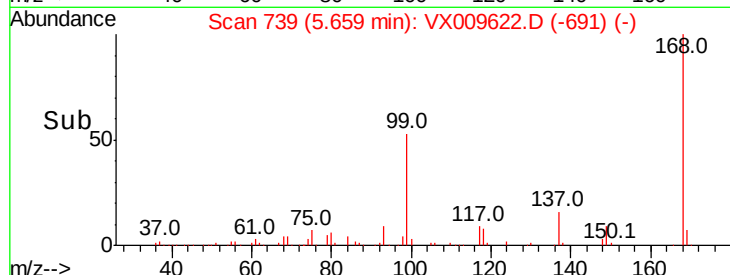
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.480 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009622.D

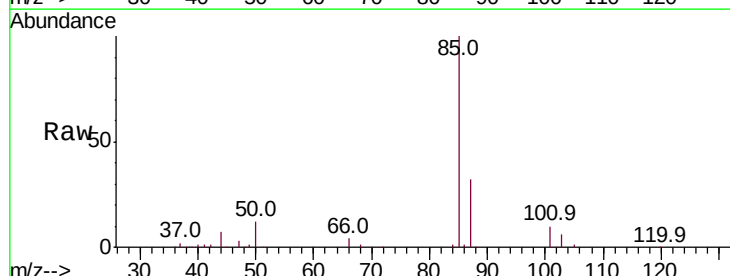
Acq: 16 May 2019 21:02

Tgt Ion: 85 Resp: 60965

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

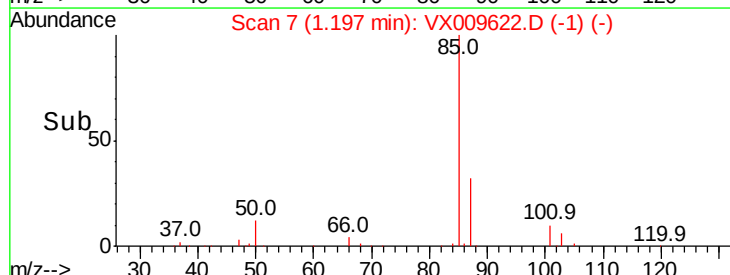
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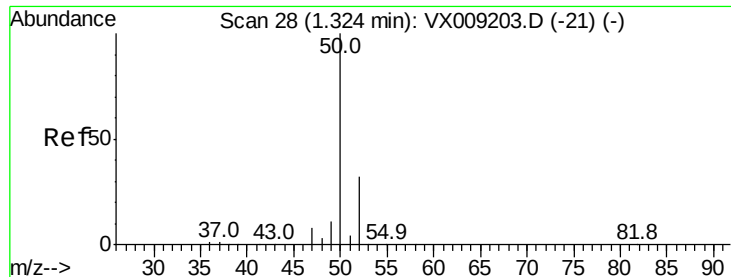
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.188 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94687

Ion Ratio Lower Upper

50 100

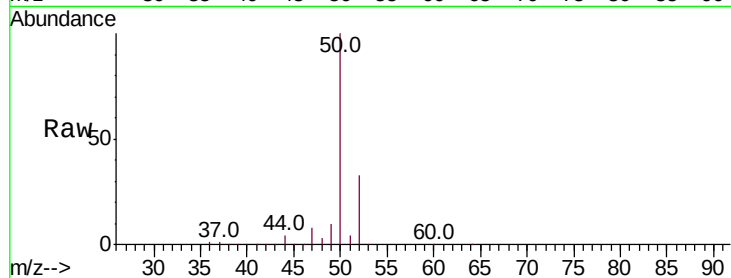
52 32.9 25.9 38.9

Manual Integrations

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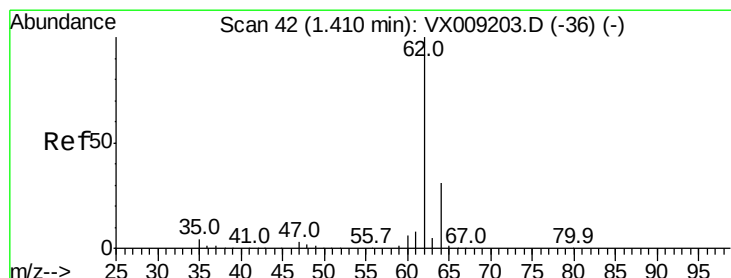
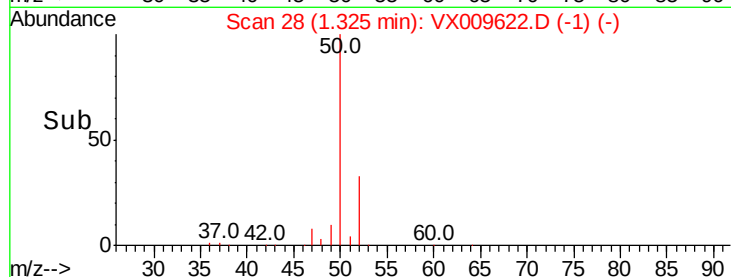
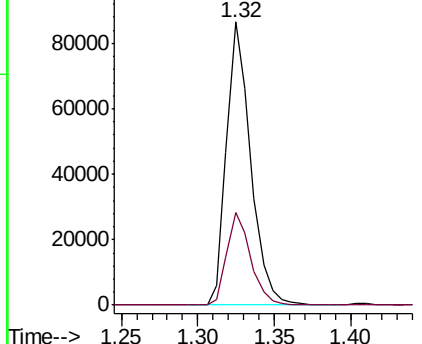
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.639 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009622.D

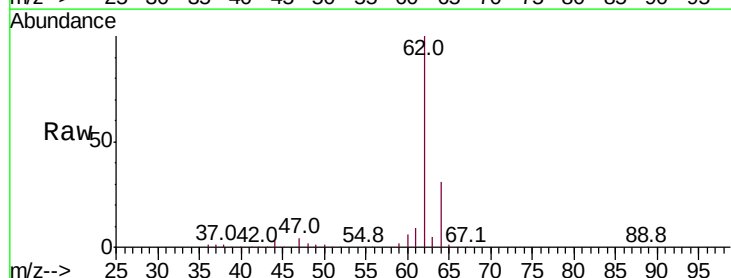
Acq: 16 May 2019 21:02

Tgt Ion: 62 Resp: 93214

Ion Ratio Lower Upper

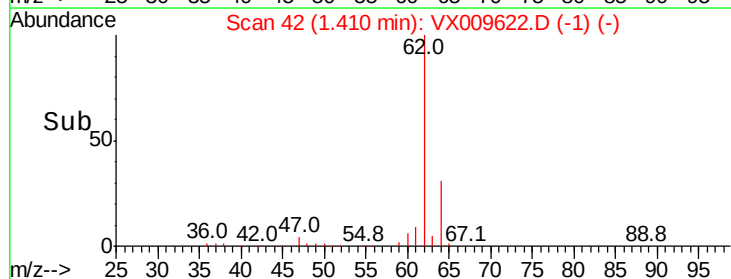
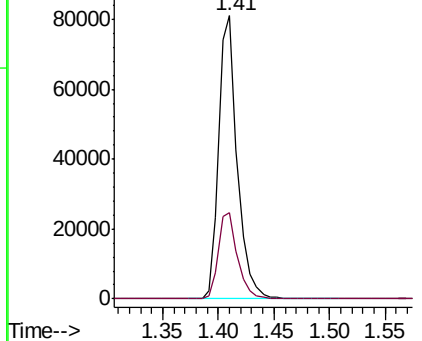
62 100

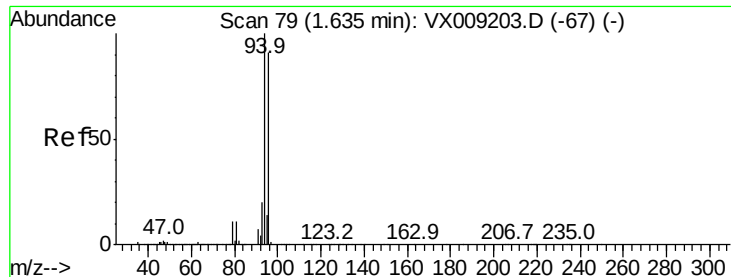
64 30.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.775 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 54933

Ion Ratio Lower Upper

94 100

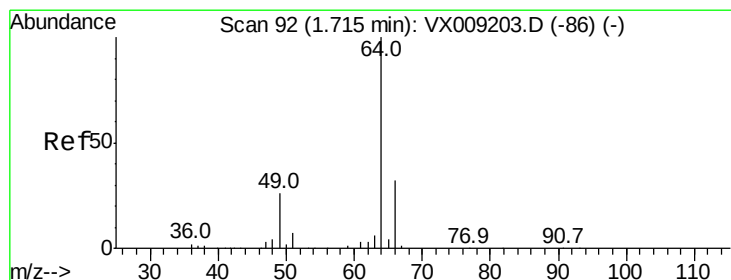
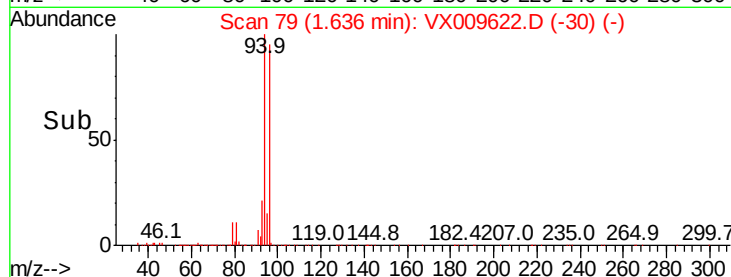
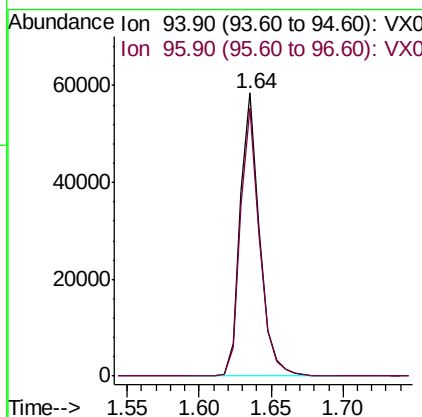
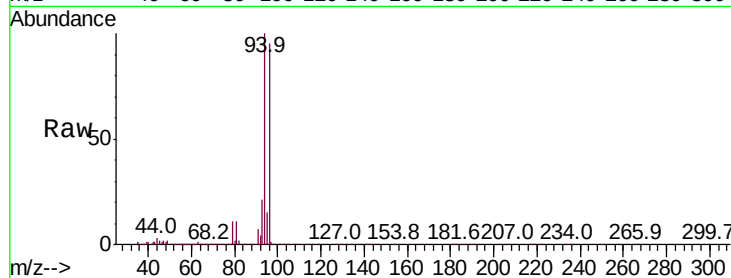
96 94.6 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 47.299 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009622.D

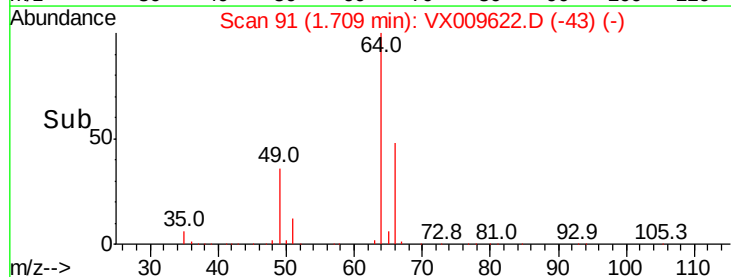
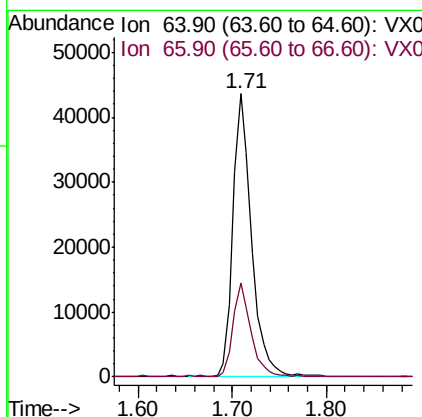
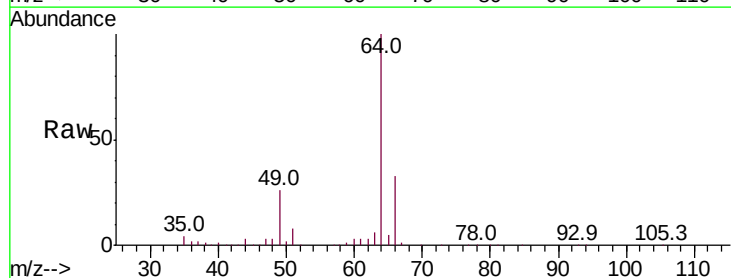
Acq: 16 May 2019 21:02

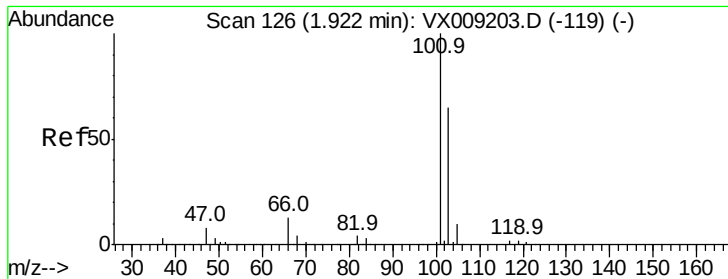
Tgt Ion: 64 Resp: 59420

Ion Ratio Lower Upper

64 100

66 33.1 25.3 37.9





#7

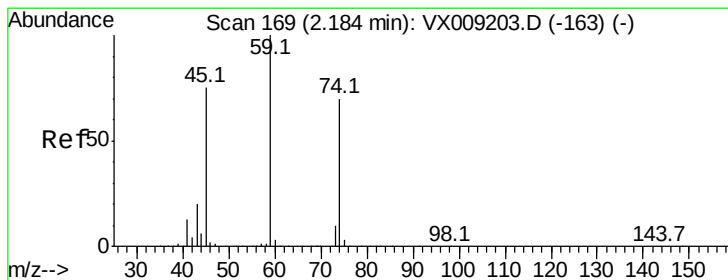
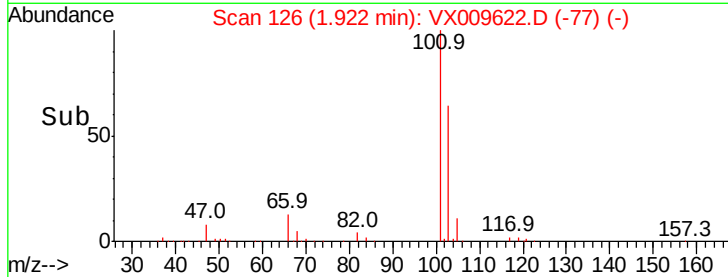
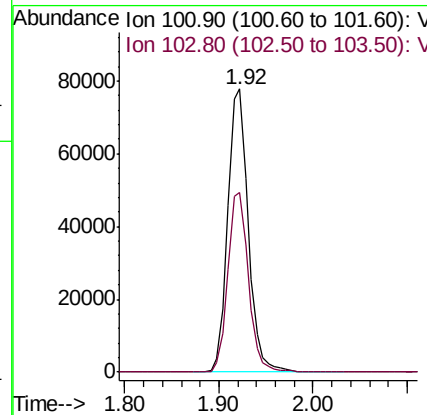
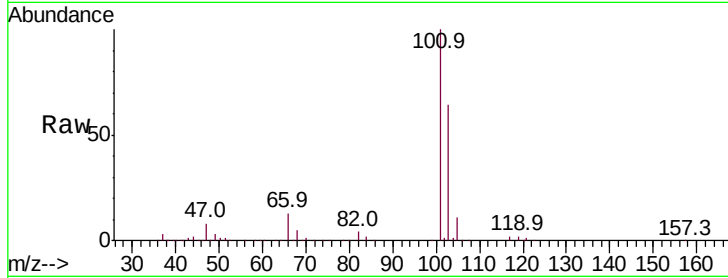
Trichlorofluoromethane
Concen: 49.359 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.4	78.6

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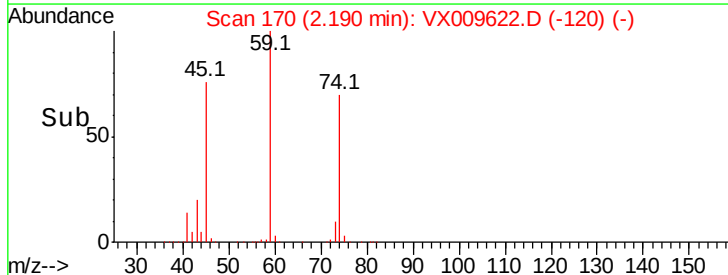
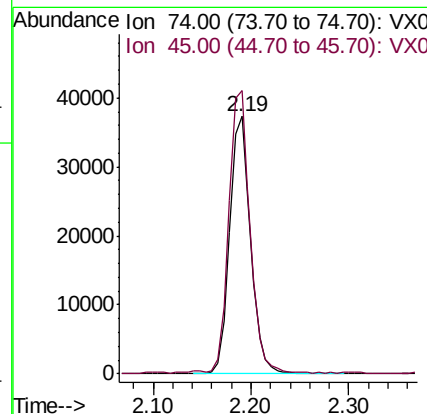
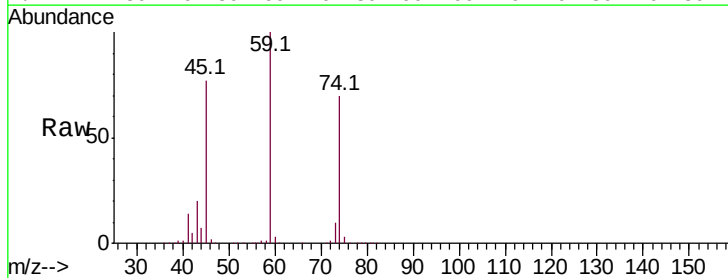
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5/17/2019 1:09:34 PM

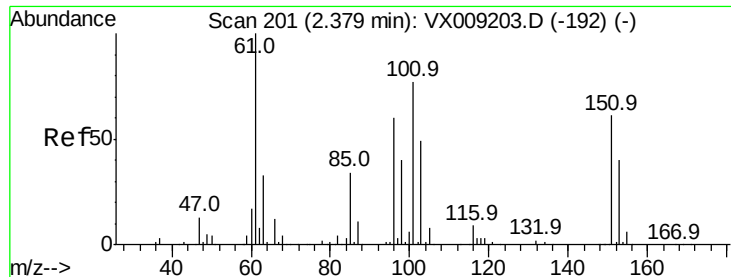


#8

Diethyl Ether
Concen: 49.313 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.919 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

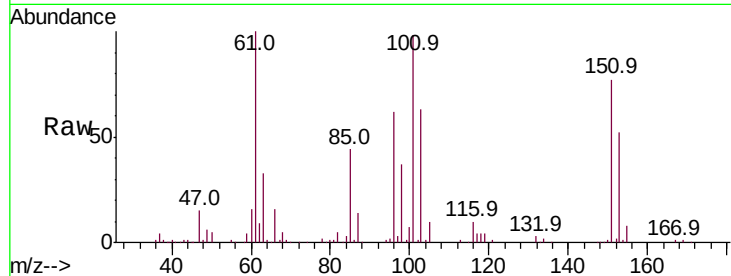
ClientSampleId :

VSTDCCC050EC

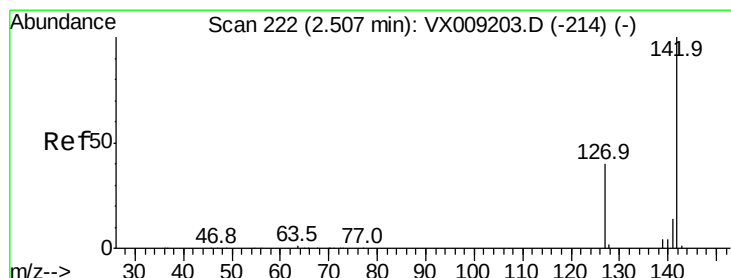
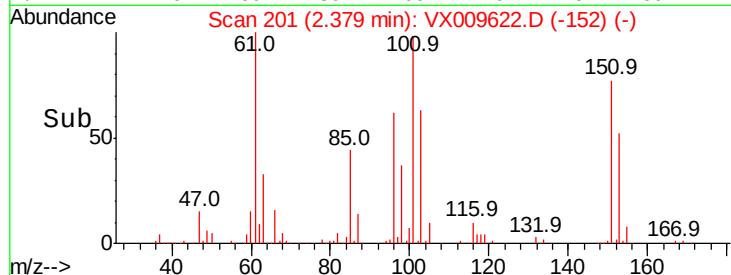
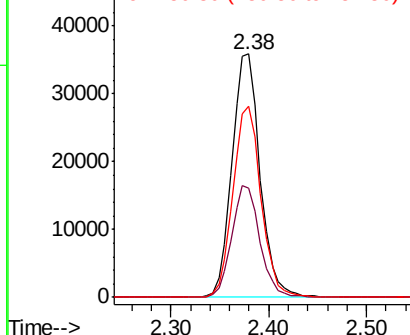
Tot Ion:	101	Resp:	71571
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.7	53.5
151	78.7	62.2	93.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.015 ug/l

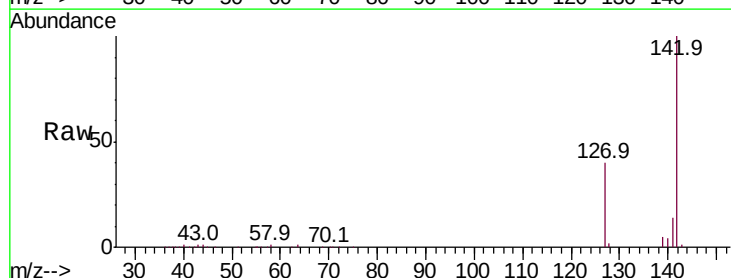
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

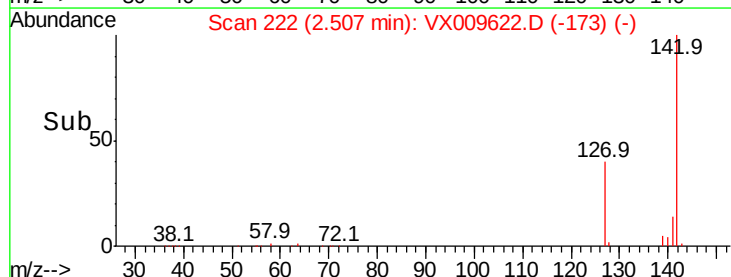
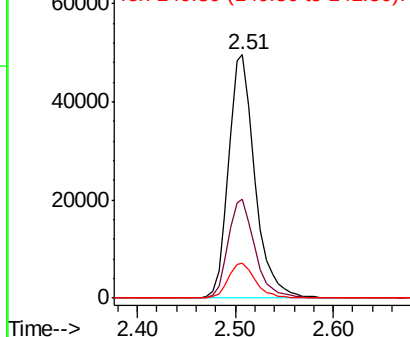
Lab File: VX009622.D

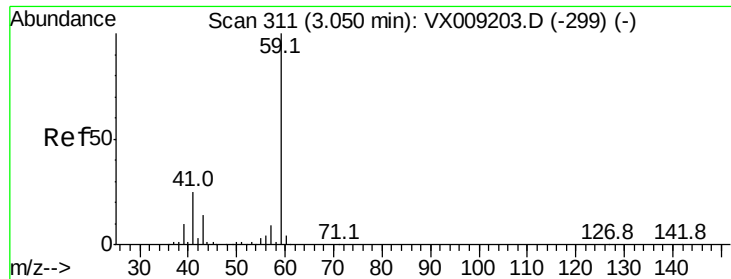
Acq: 16 May 2019 21:02

Tgt Ion:	142	Resp:	92531
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.8	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 269.202 ug/l

RT: 3.06 min Scan# 313

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

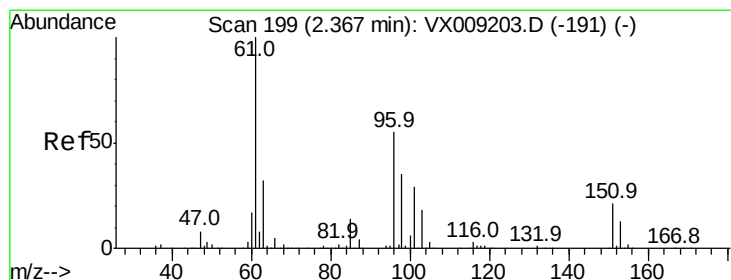
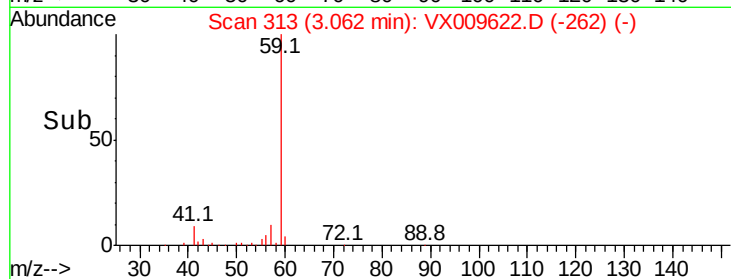
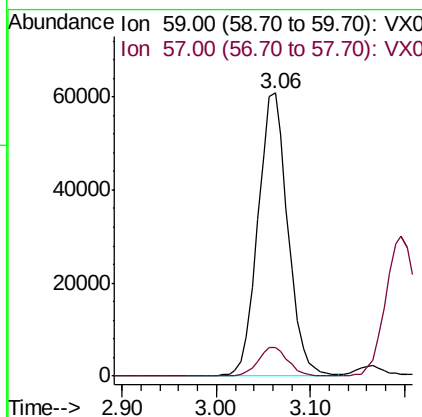
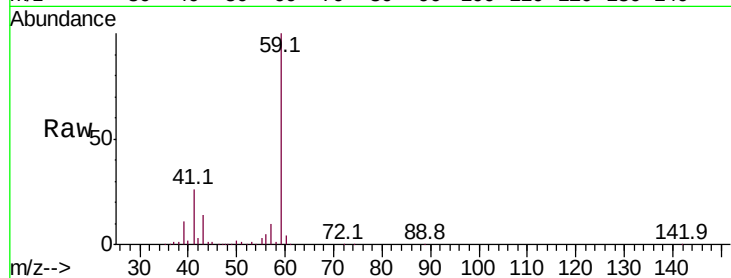
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 135673

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 48.334 ug/l

RT: 2.37 min Scan# 199

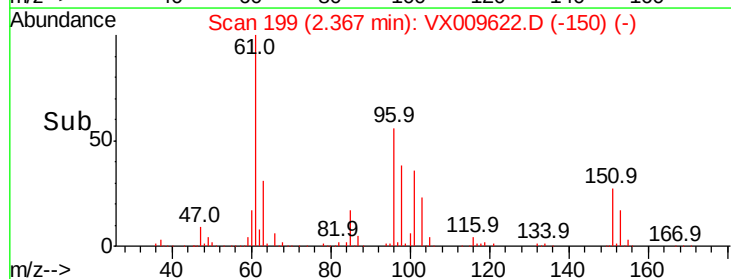
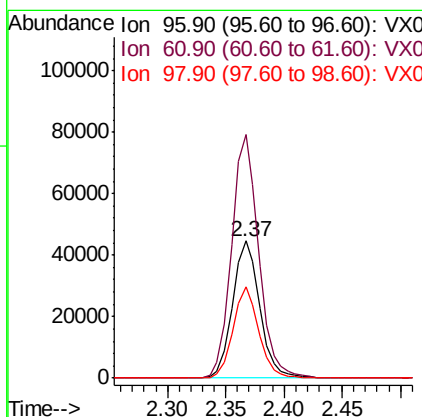
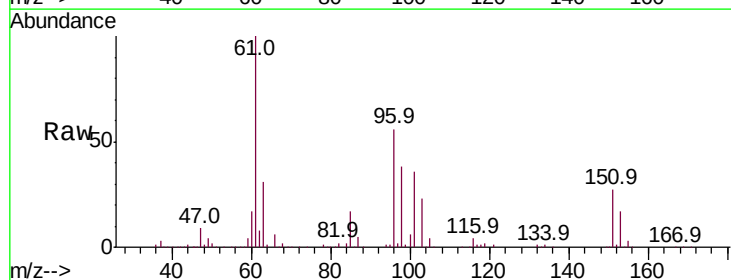
Delta R.T. 0.00 min

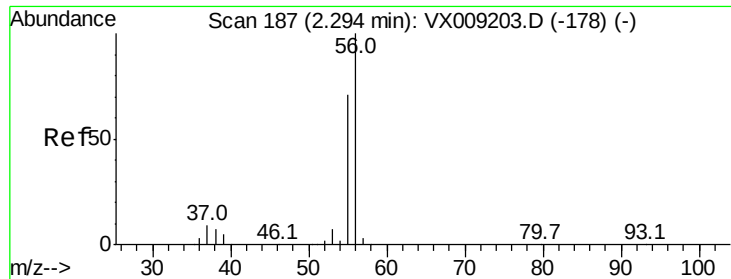
Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion: 96 Resp: 72331

Ion	Ratio	Lower	Upper
96	100		
61	177.9	144.3	216.5
98	66.9	50.3	75.5





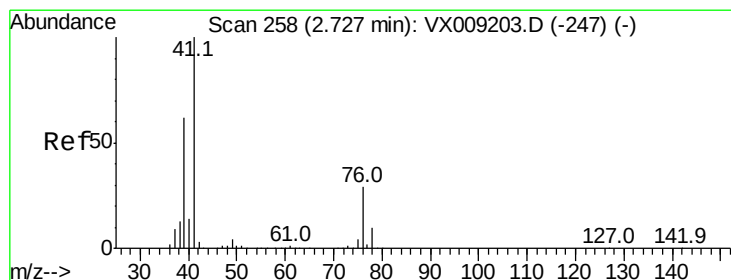
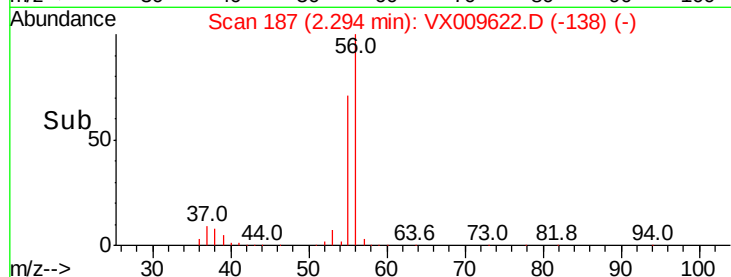
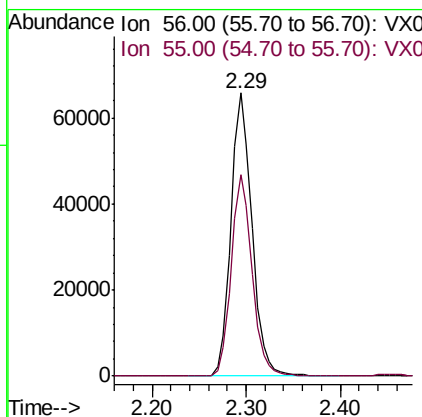
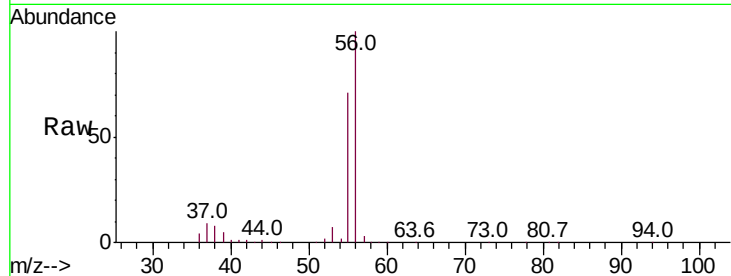
#13
Acrolein
Concen: 223.458 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
56	100				101991		
55	70.7					56.6	85.0

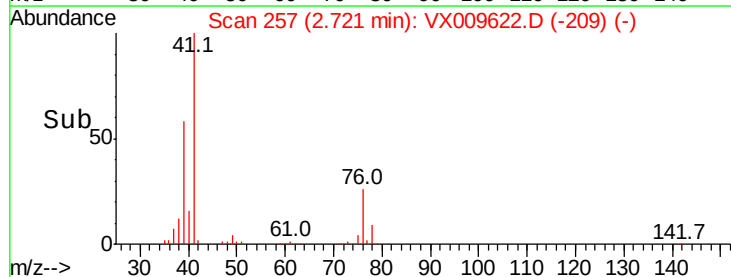
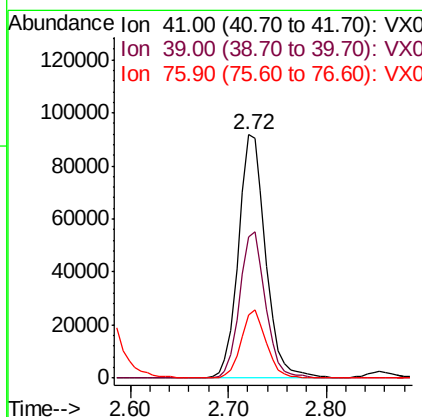
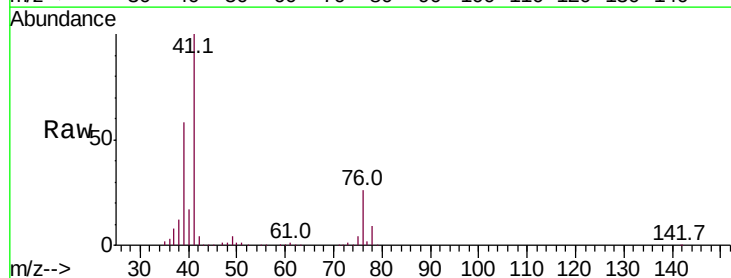
Manual Integrations
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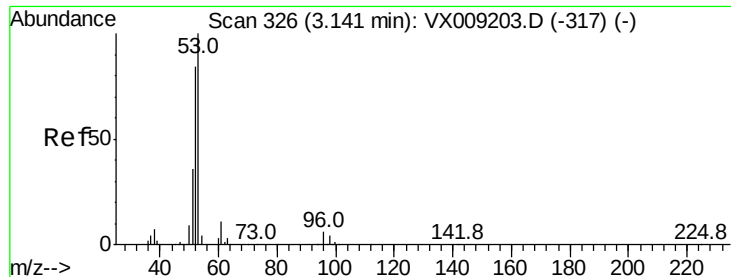
MMDadoda
5/17/2019 1:09:34 PM



#14
Allyl chloride
Concen: 48.468 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	41	39	76	Ratio	100	57.8	25.9	Resp	Lower	Upper
41	100				176760					
39	57.8					46.7	70.1			
76	25.9					21.8	32.8			





#15

Acrylonitrile

Concen: 261.728 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

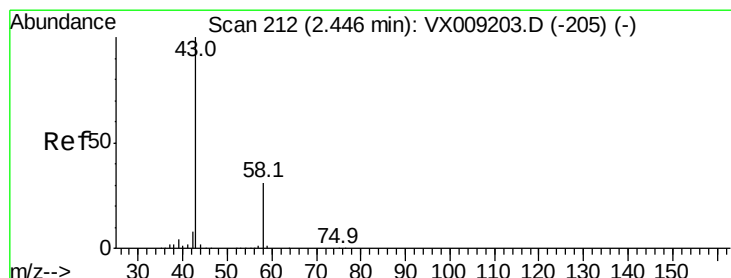
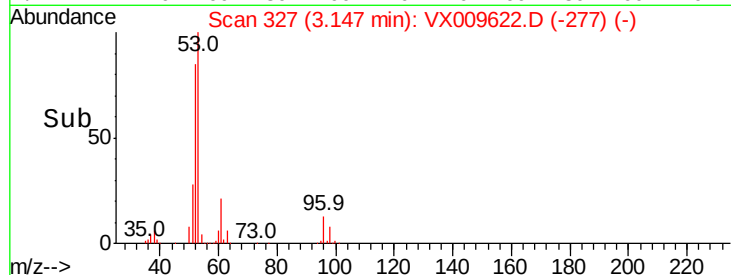
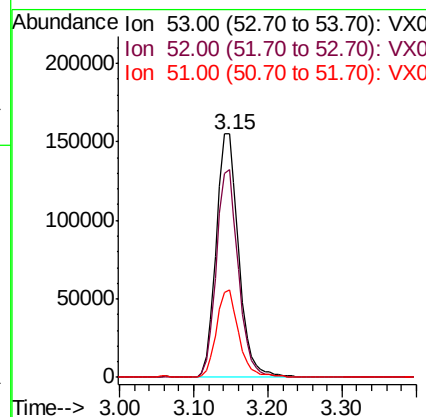
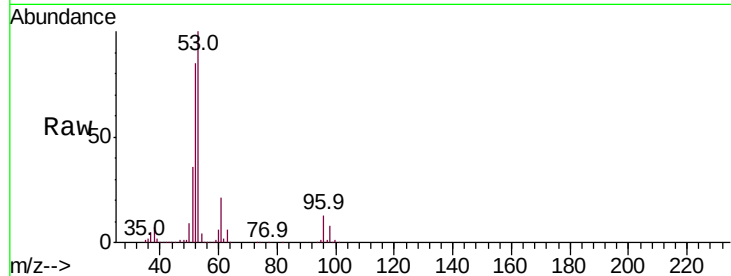
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	322520
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.9	28.2	42.2

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#16

Acetone

Concen: 241.297 ug/l

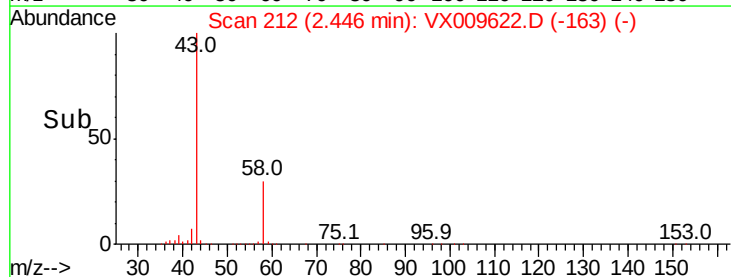
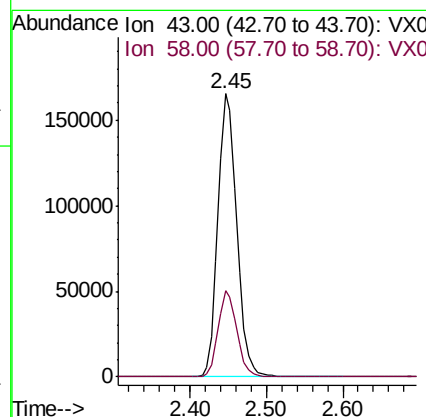
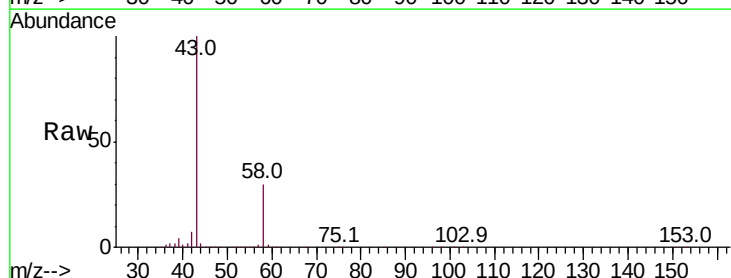
RT: 2.45 min Scan# 212

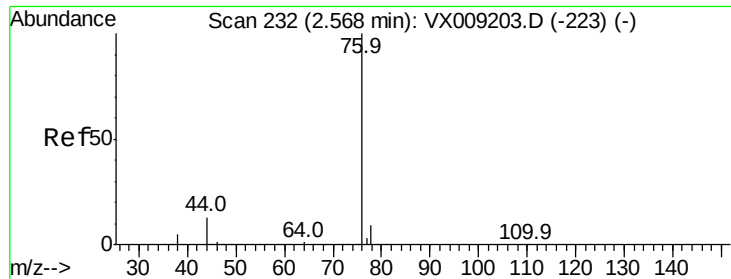
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion	43	Resp	282100
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





#17

Carbon Disulfide

Concen: 44.572 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 187271

Ion Ratio Lower Upper

76 100

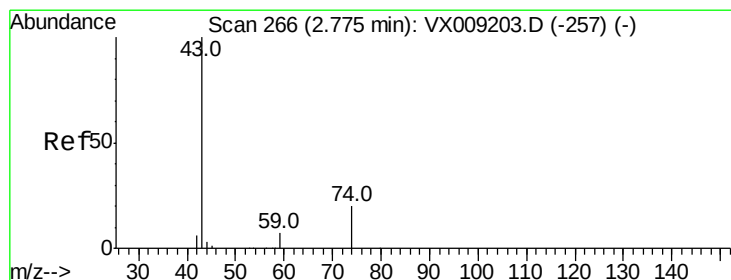
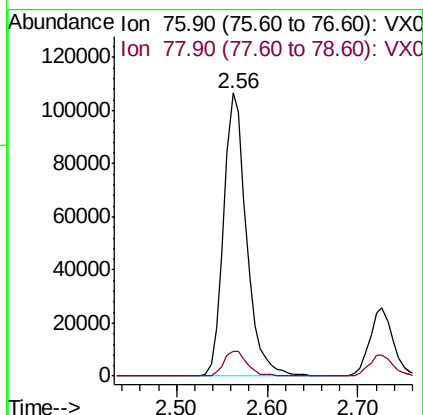
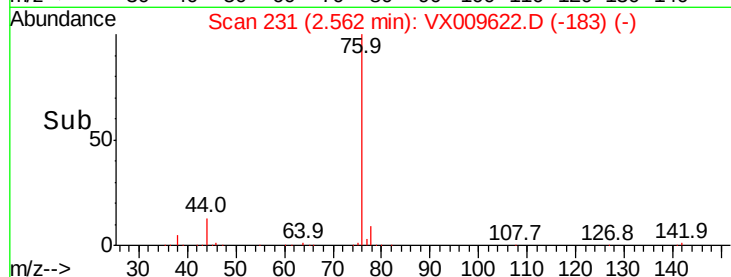
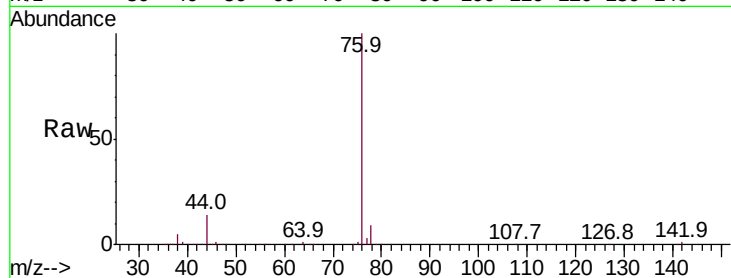
78 8.7 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 54.383 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009622.D

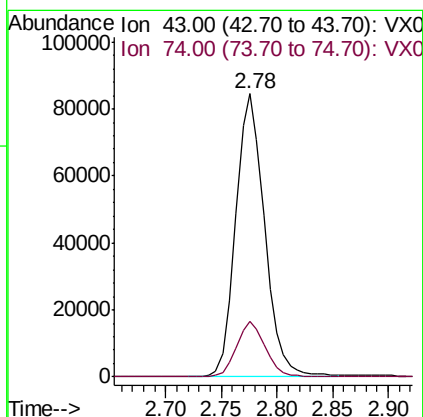
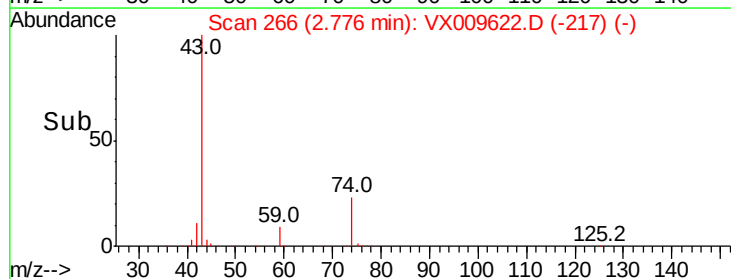
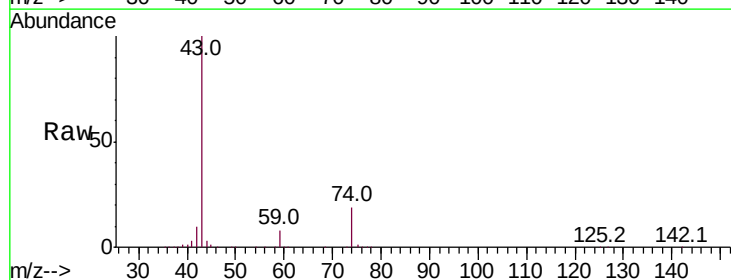
Acq: 16 May 2019 21:02

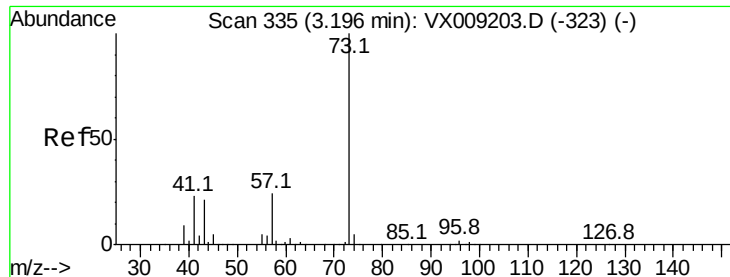
Tgt Ion: 43 Resp: 151203

Ion Ratio Lower Upper

43 100

74 19.9 16.2 24.4





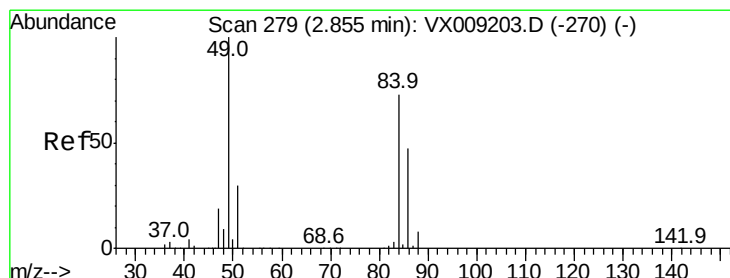
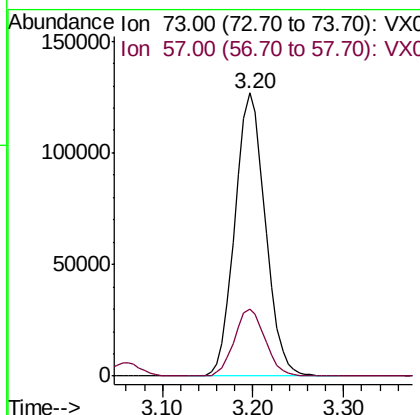
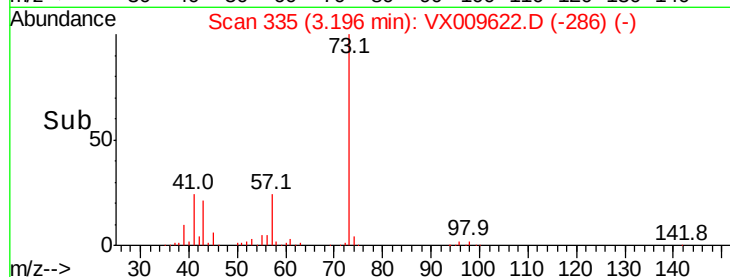
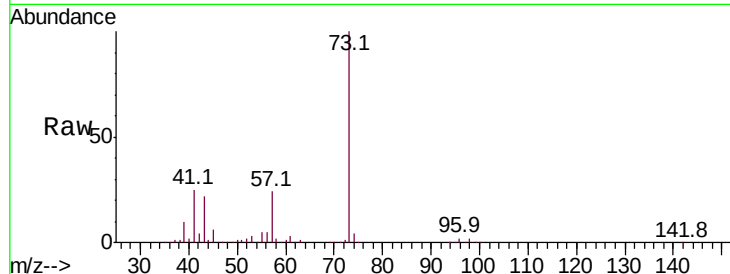
#19
Methyl tert-butyl Ether
Concen: 50.805 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.3	28.9

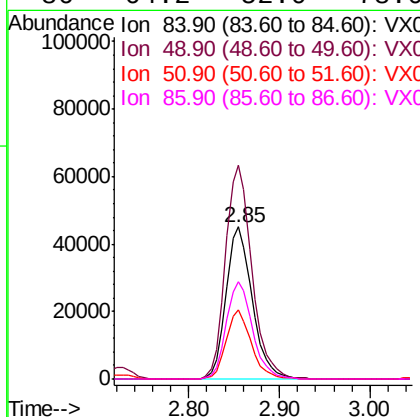
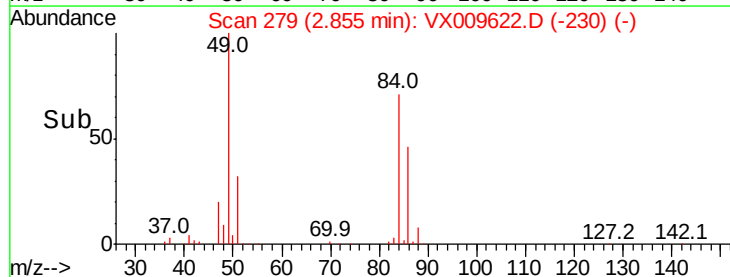
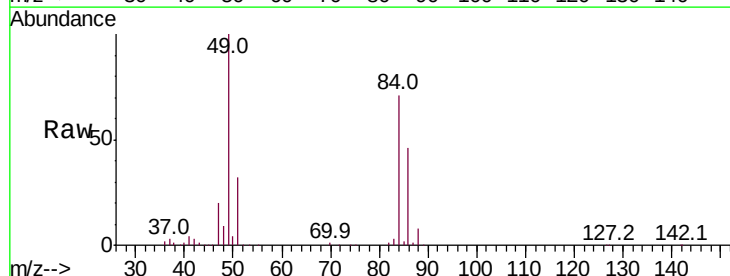
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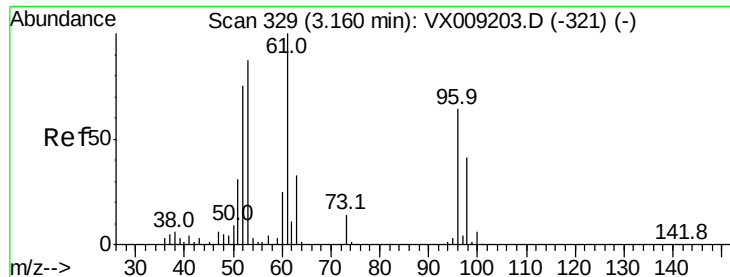
MMDadoda
5/17/2019 1:09:34 PM



#20
Methylene Chloride
Concen: 47.758 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	109.9	164.9
51	45.4	32.7	49.1
86	64.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.094 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 78054

Ion Ratio Lower Upper

96 100

61 158.7 124.5 186.7

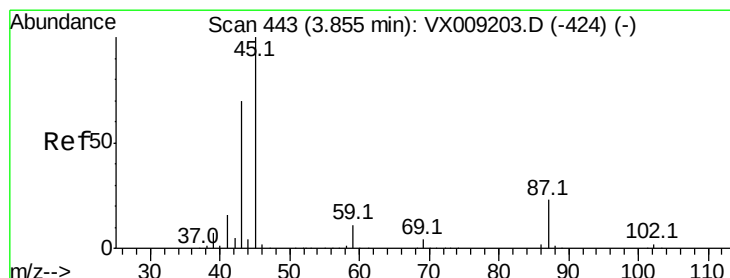
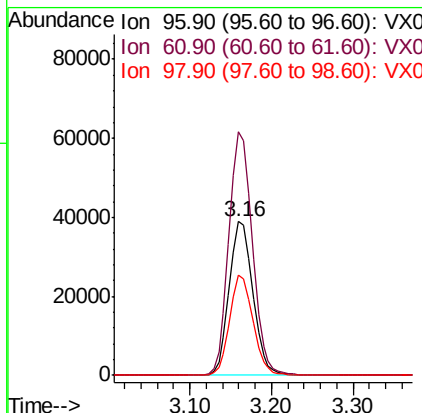
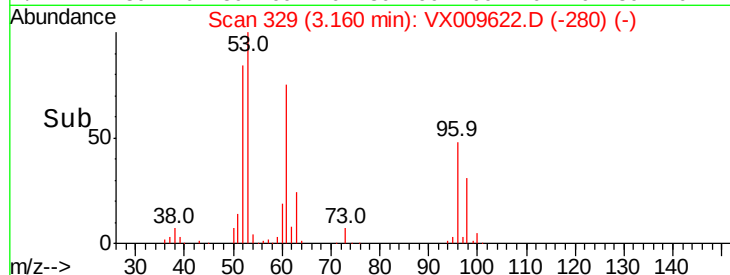
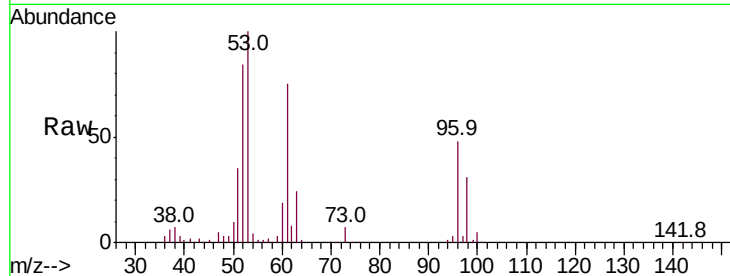
98 65.2 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.716 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion: 45 Resp: 355698

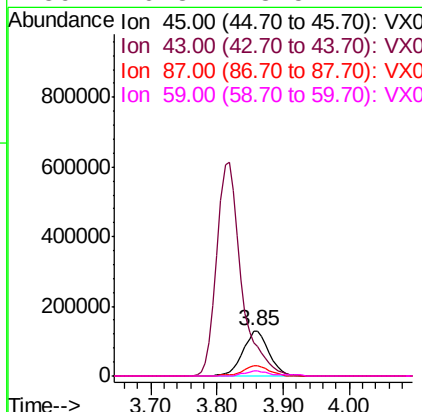
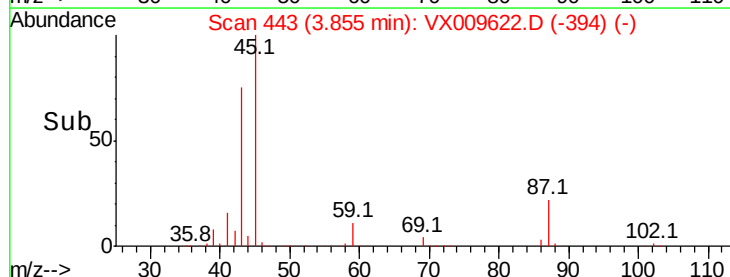
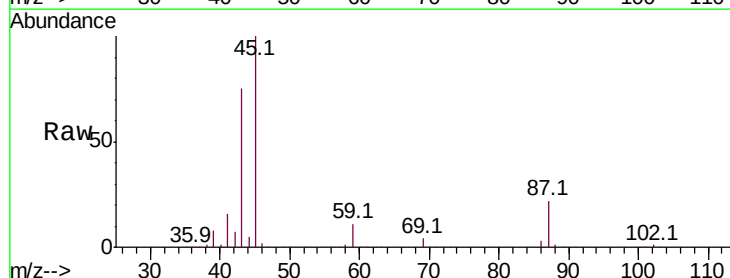
Ion Ratio Lower Upper

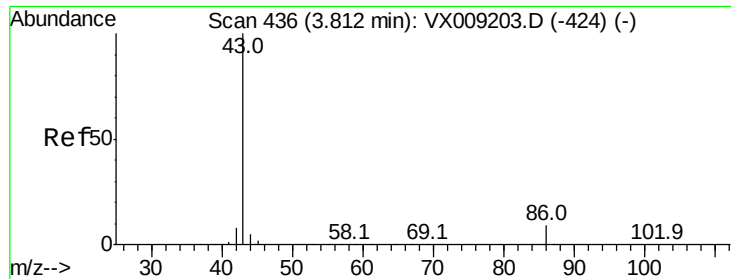
45 100

43 74.9 56.1 84.1

87 22.2 18.1 27.1

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 264.877 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1590792

Ion Ratio Lower Upper

43 100

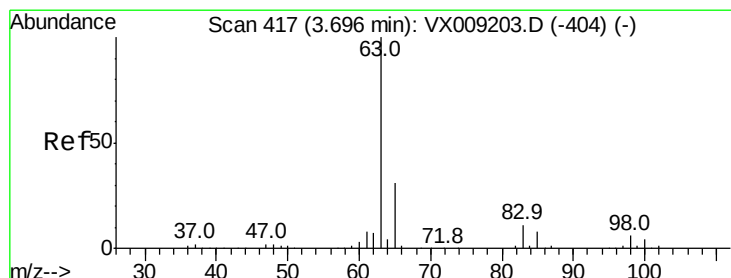
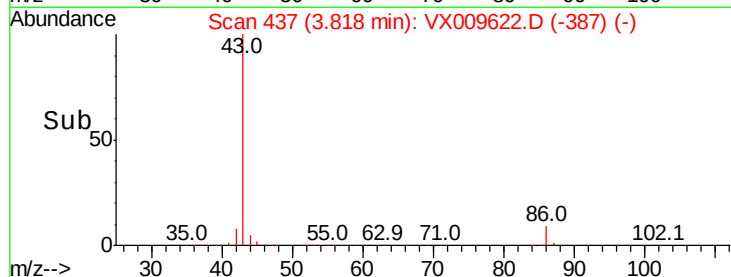
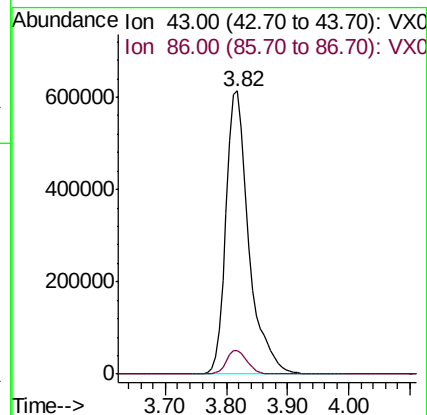
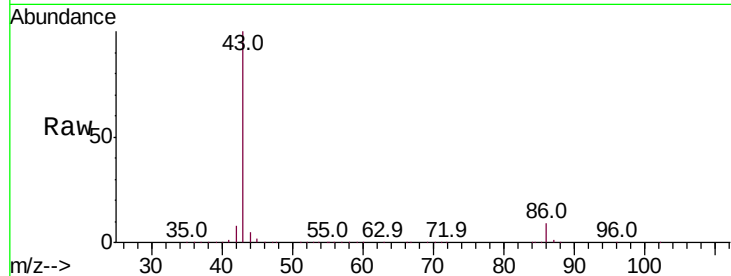
86 8.5 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.652 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

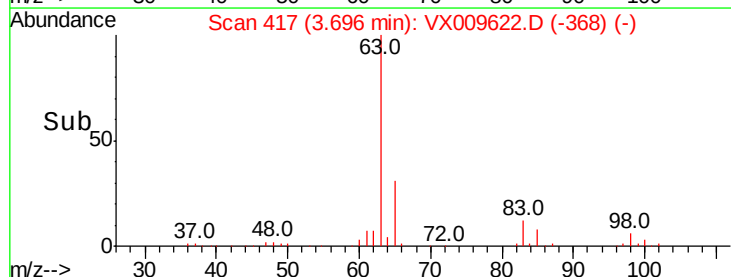
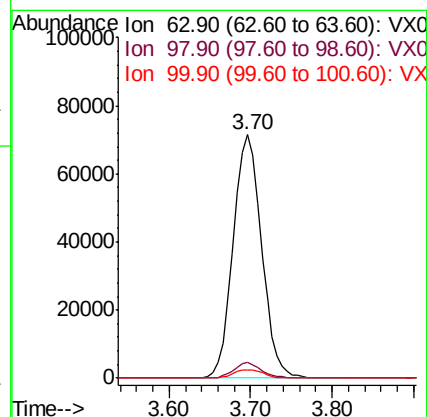
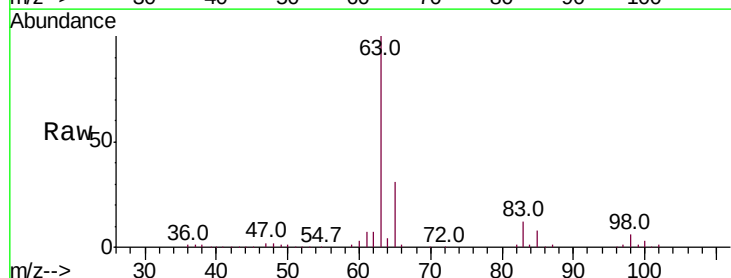
Tgt Ion: 63 Resp: 171788

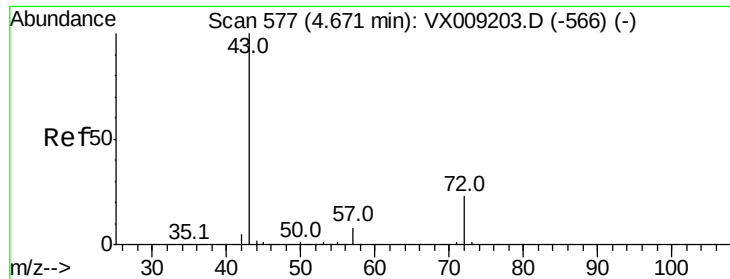
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 264.012 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 479643

Ion Ratio Lower Upper

43 100

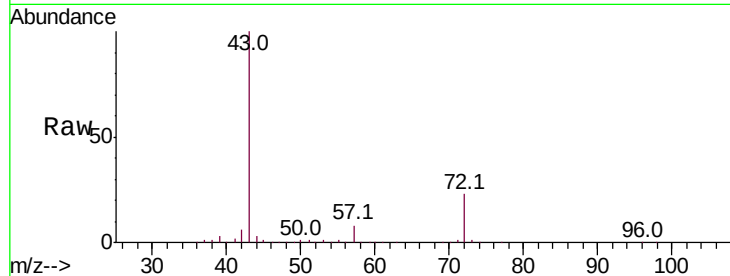
72 23.1 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

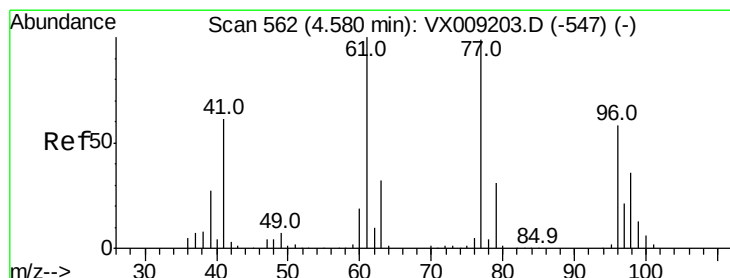
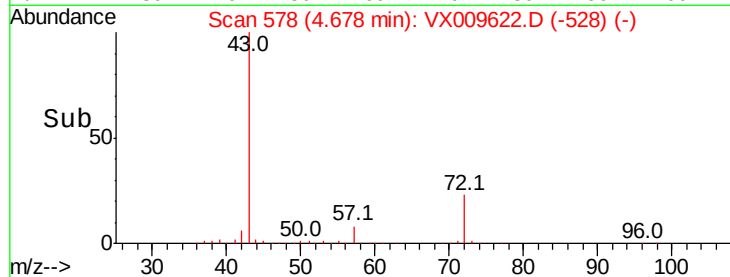
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.994 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009622.D

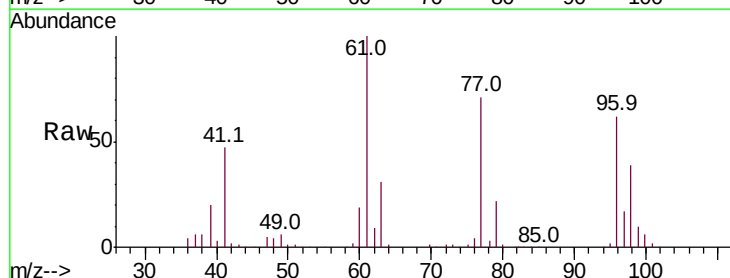
Acq: 16 May 2019 21:02

Tgt Ion: 77 Resp: 110722

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

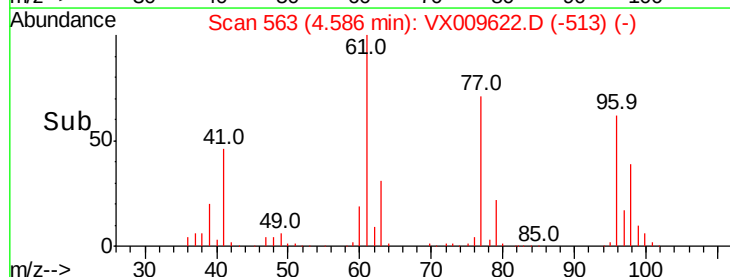
20000

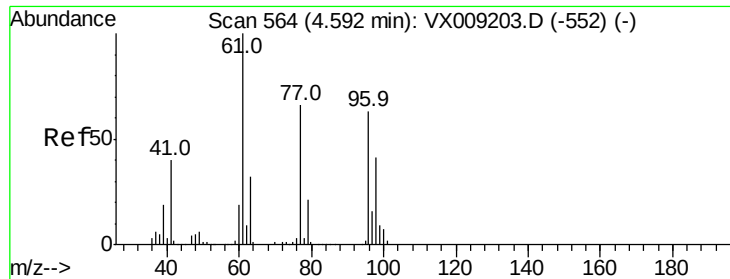
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

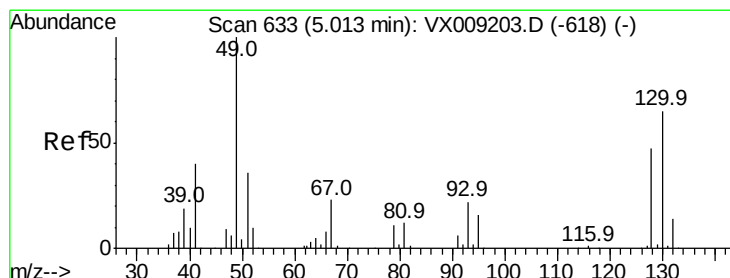
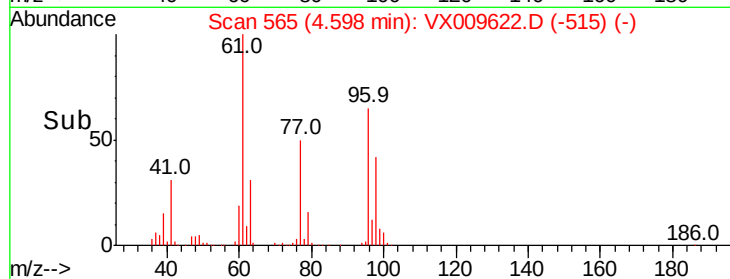
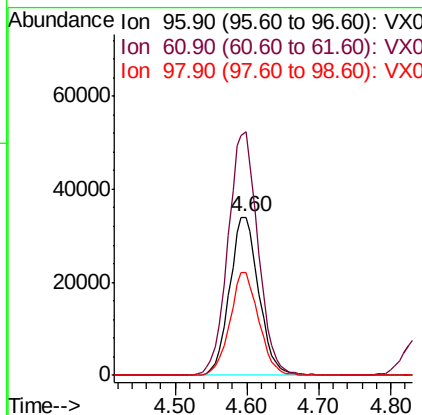
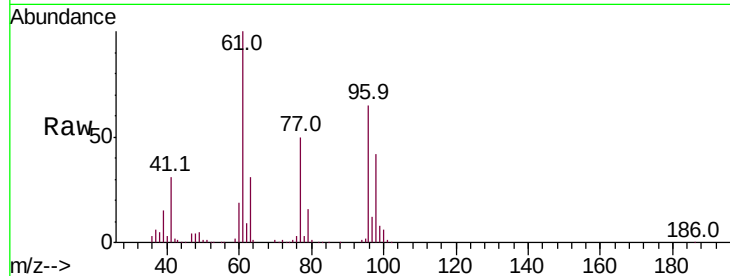
cis-1,2-Dichloroethene
Concen: 49.457 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.0	0.0	324.0	
98	64.1	0.0	130.4	

Manual Integrations
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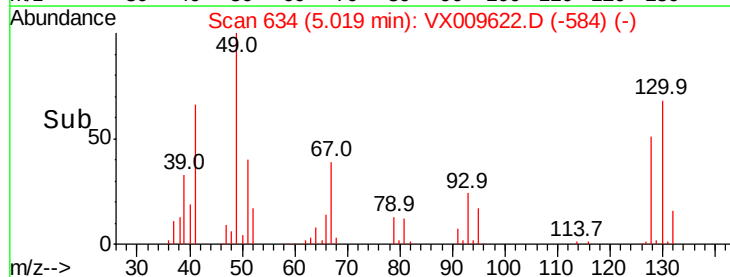
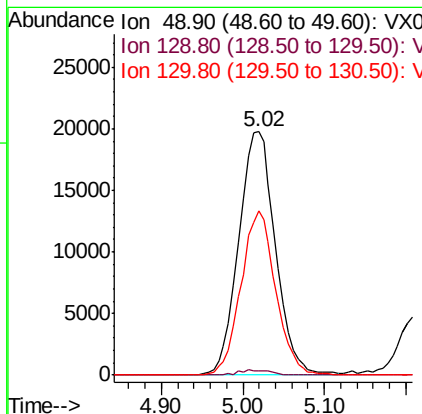
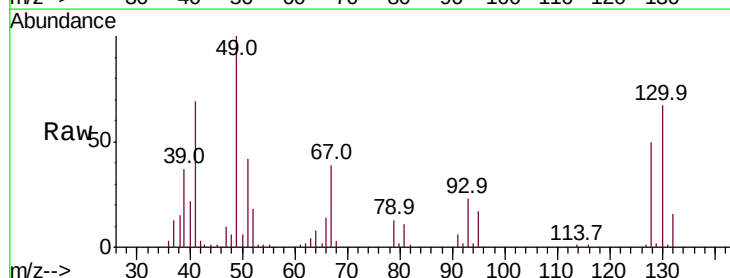
MMDadoda
5/17/2019 1:09:34 PM

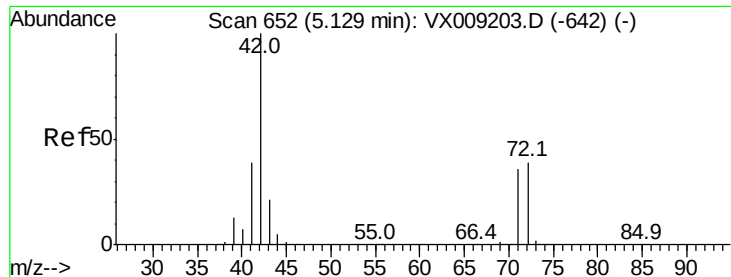


#28

Bromochloromethane
Concen: 43.994 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	63.8	51.2	76.8	





#29

Tetrahydrofuran

Concen: 271.371 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

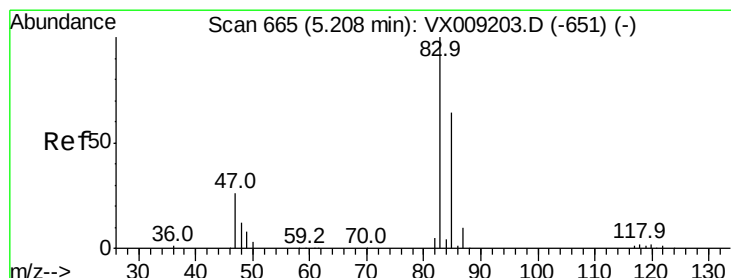
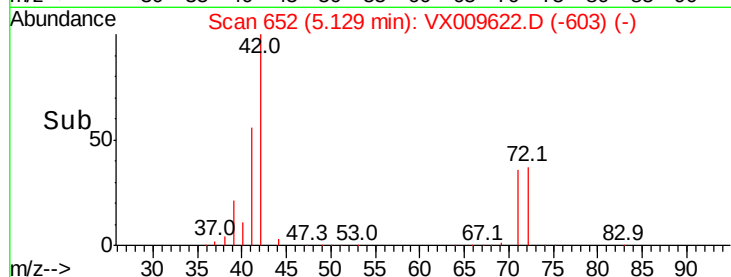
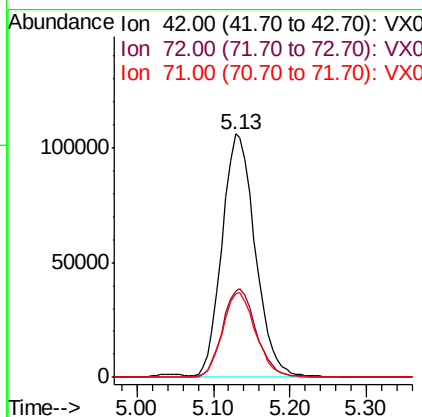
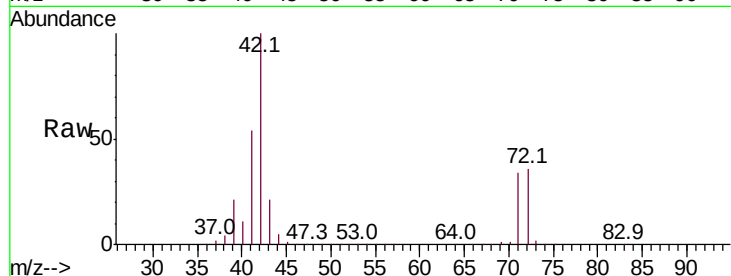
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	317251
Ion Ratio		Lower	Upper
42	100		
72	37.3	30.4	45.6
71	34.9	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 50.502 ug/l

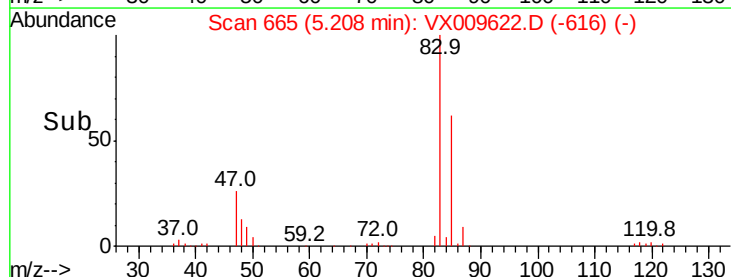
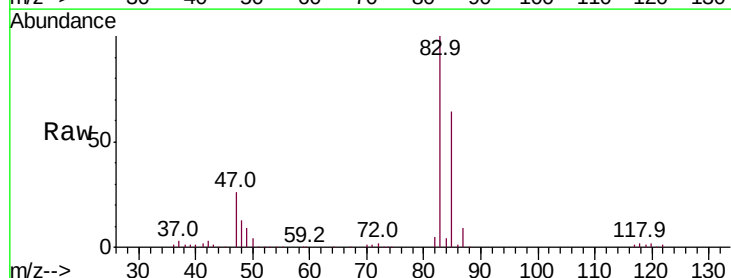
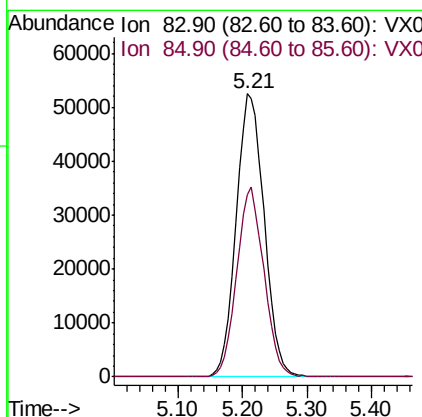
RT: 5.21 min Scan# 665

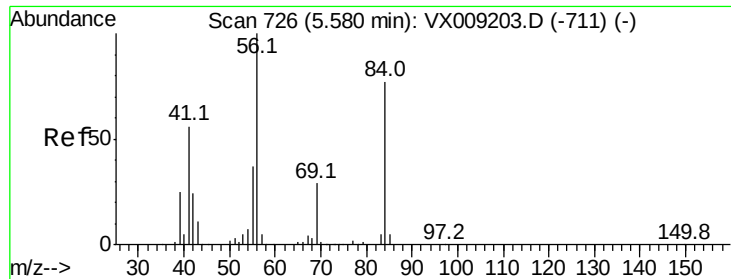
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion:	83	Resp:	158033
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.5	77.3





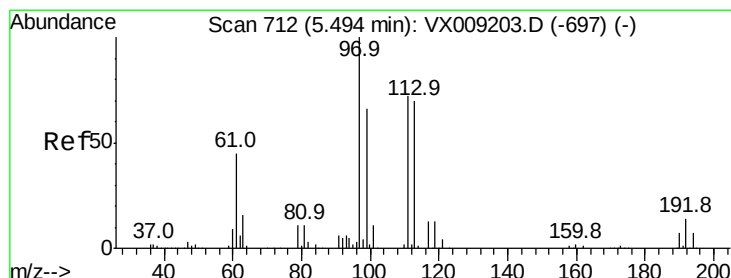
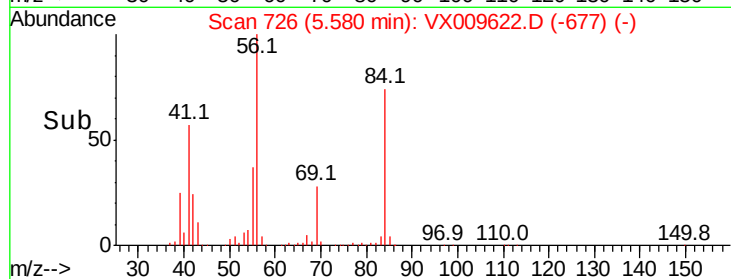
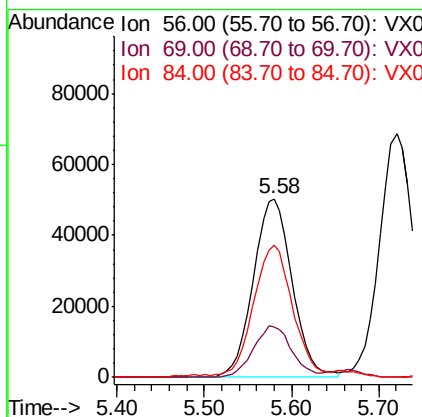
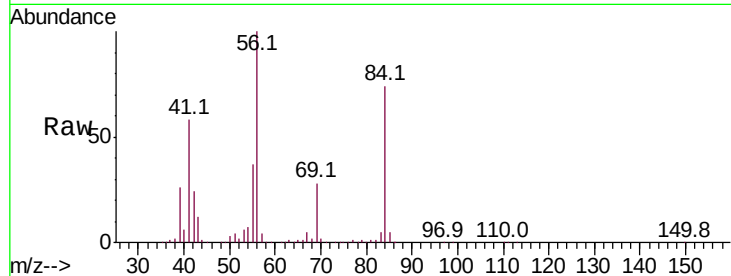
#31
Cyclohexane
Concen: 48.482 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	73.2	61.9	92.9

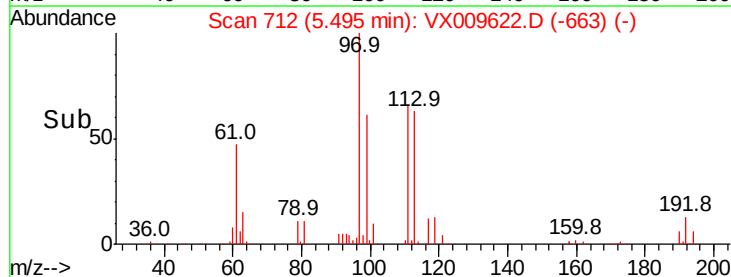
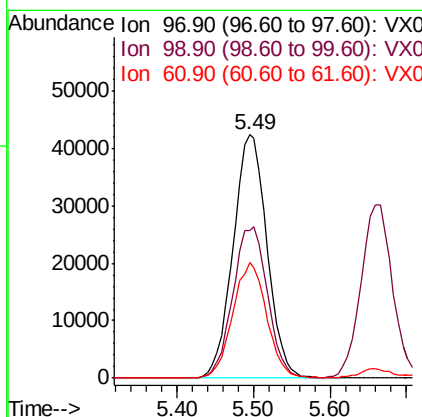
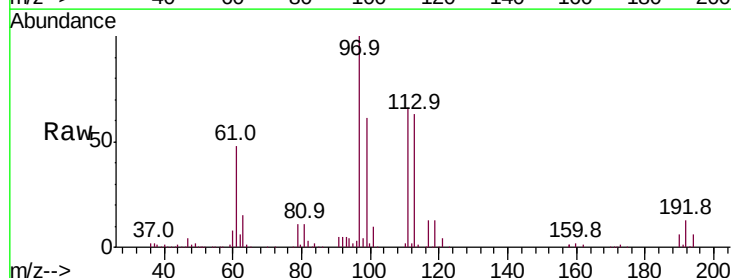
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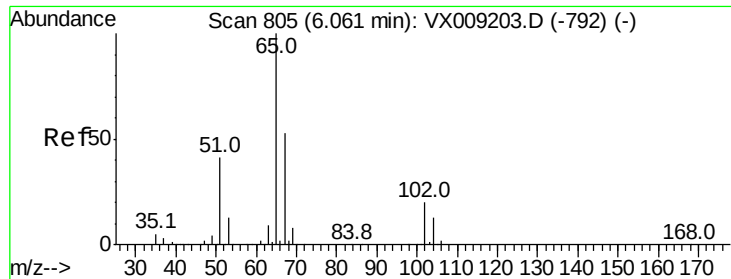
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#32
1,1,1-Trichloroethane
Concen: 49.900 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	47.7	37.8	56.8





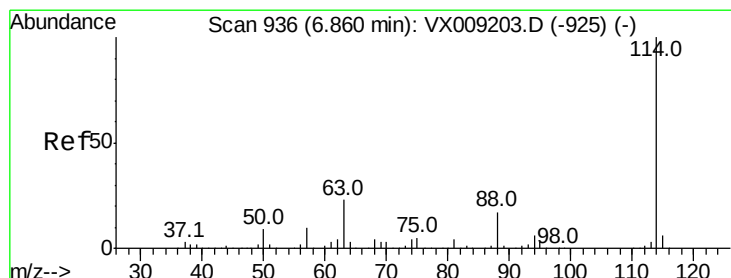
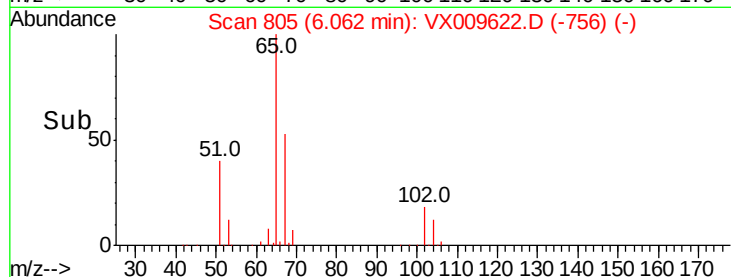
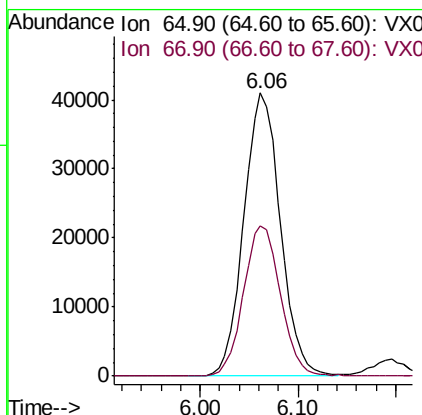
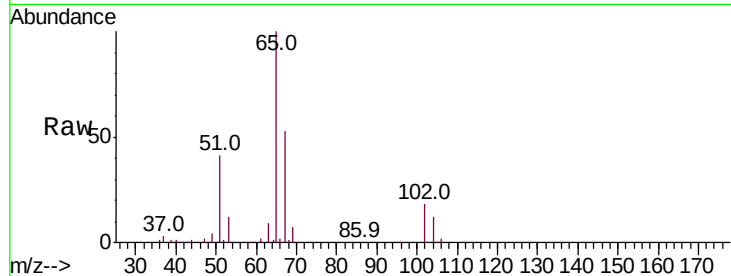
#33
 1,2-Dichloroethane-d4
 Concen: 49.017 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.6

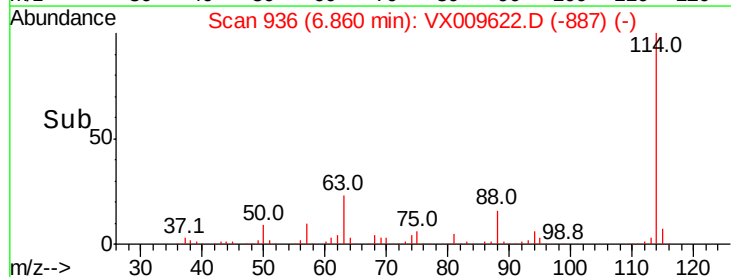
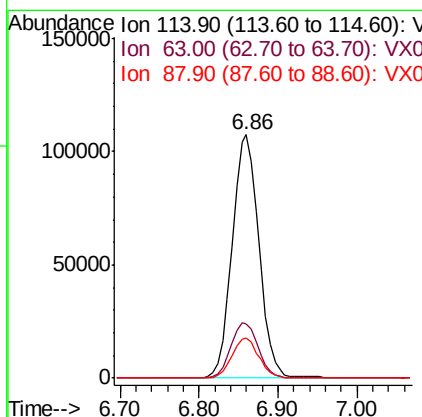
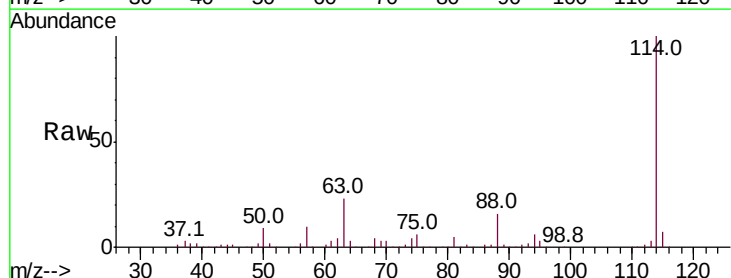
Manual Integrations
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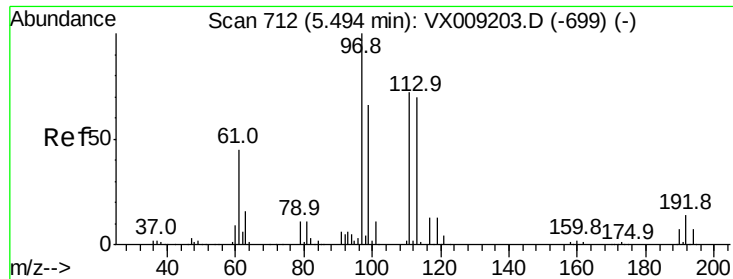
MMDadoda
 5/17/2019 1:09:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.3	0.0	33.2





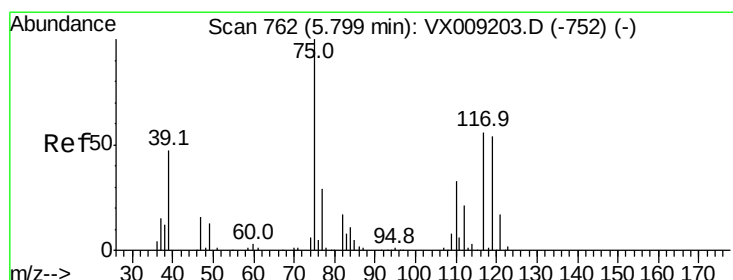
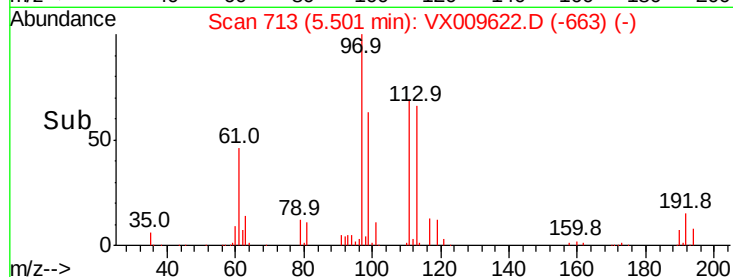
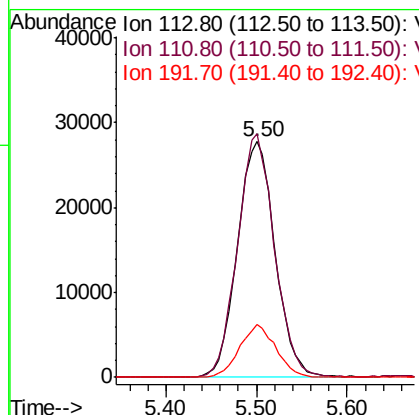
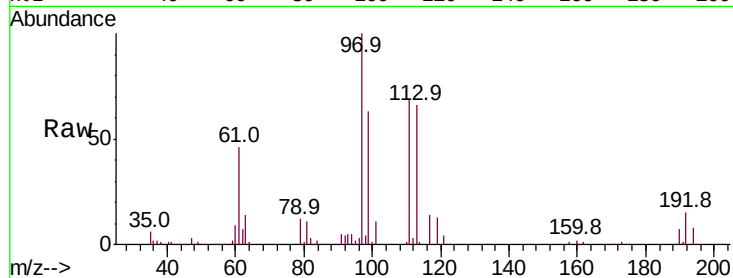
#35
 Dibromofluoromethane
 Concen: 50.125 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	21.7	17.0	25.6

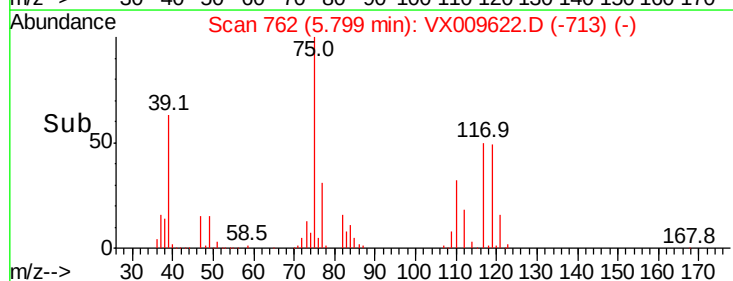
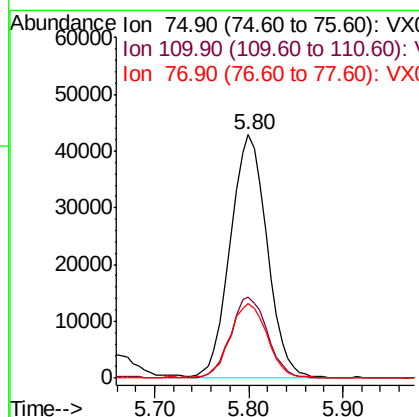
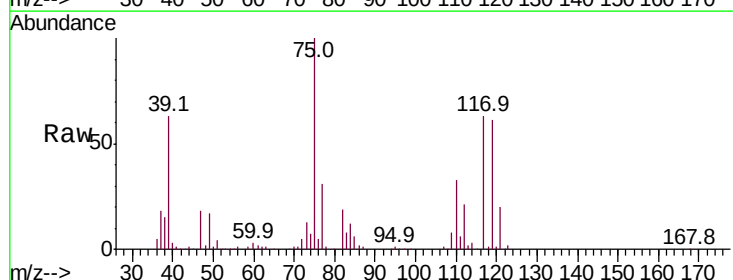
Manual Integrations
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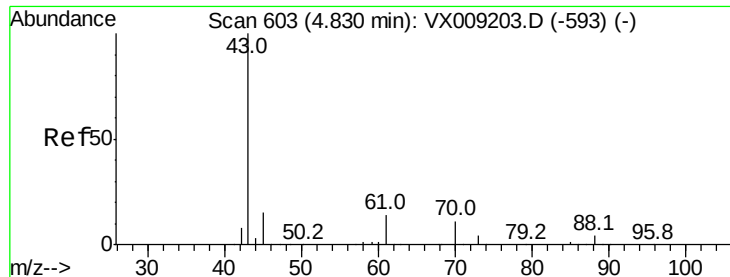
MMDadoda
 5/17/2019 1:09:34 PM



#36
 1,1-Dichloropropene
 Concen: 49.160 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.4	24.8	37.2





#37

Ethyl Acetate

Concen: 53.867 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

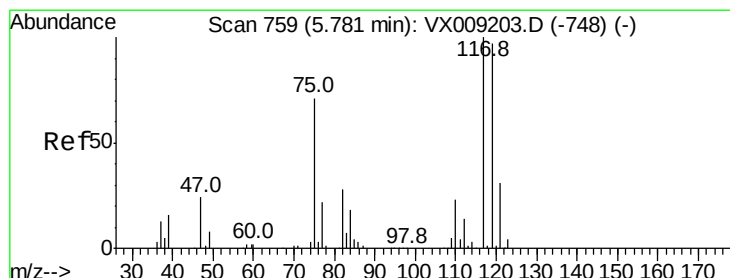
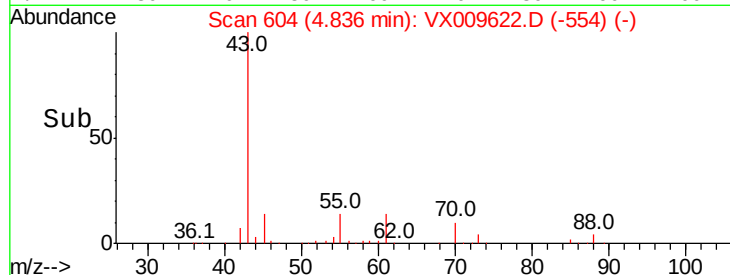
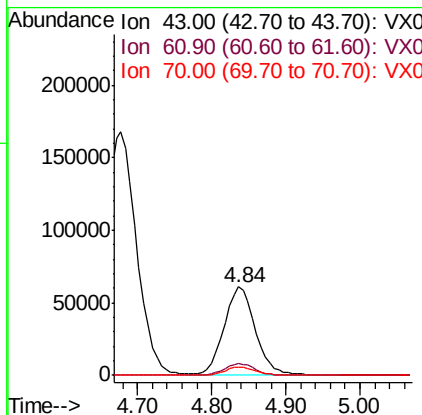
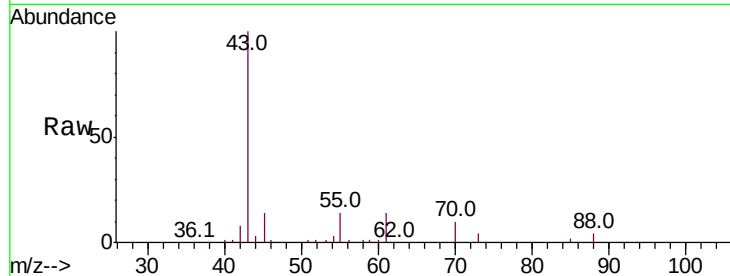
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	176818
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.6	7.9	11.9

Manual Integrations
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5/17/2019 1:09:34 PM



#38

Carbon Tetrachloride

Concen: 50.084 ug/l

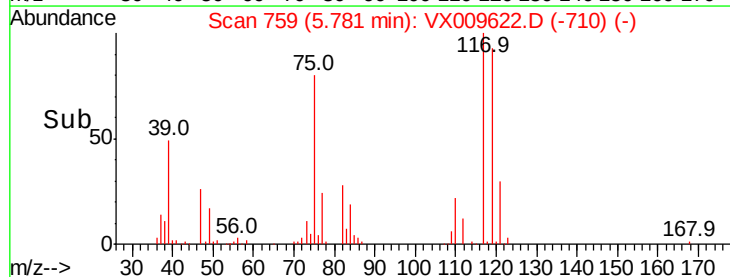
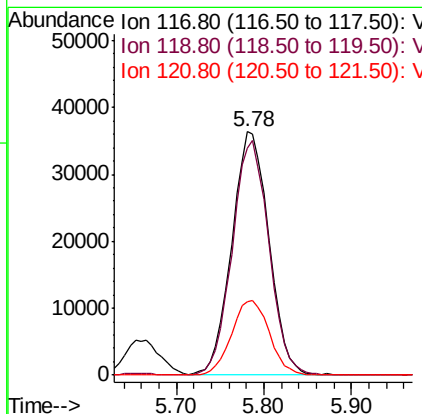
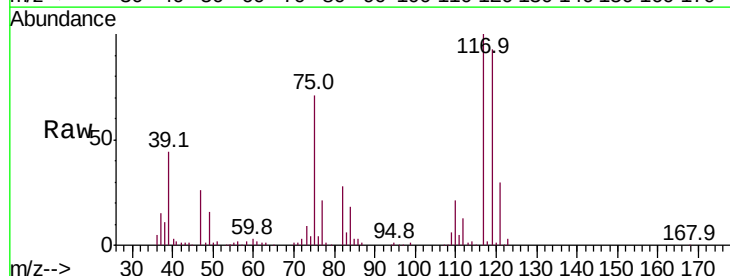
RT: 5.78 min Scan# 759

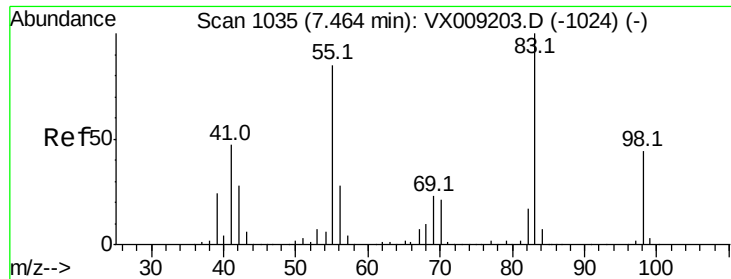
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion:	117	Resp:	107204
Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.5	116.3
121	30.1	24.7	37.1





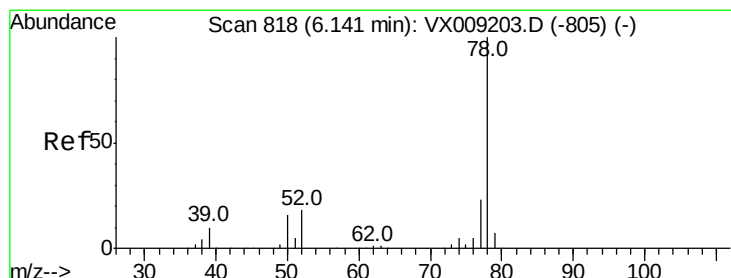
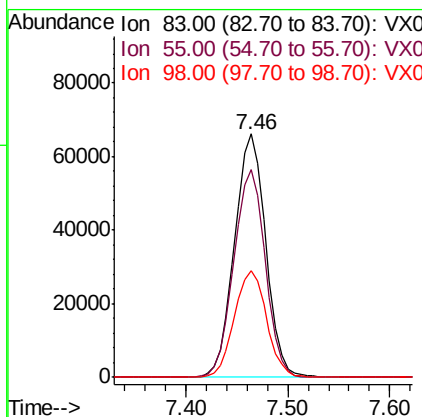
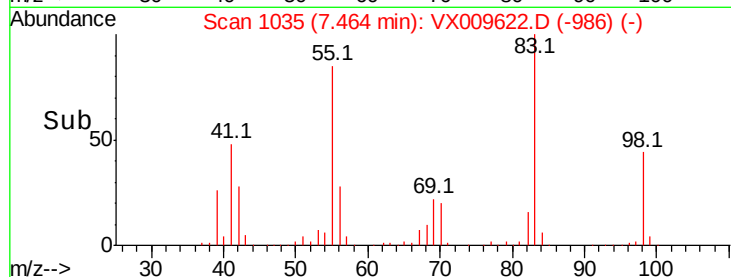
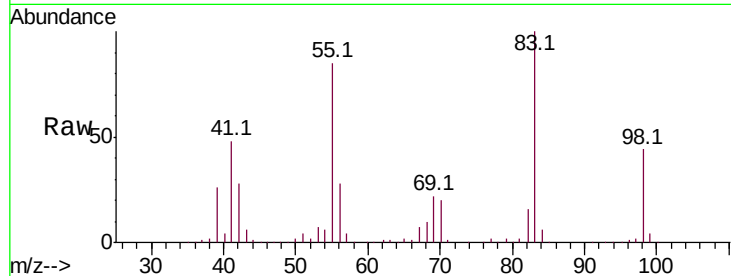
#39
Methylvlcyclohexane
Concen: 48.562 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.7	101.5
98	43.7	35.5	53.3

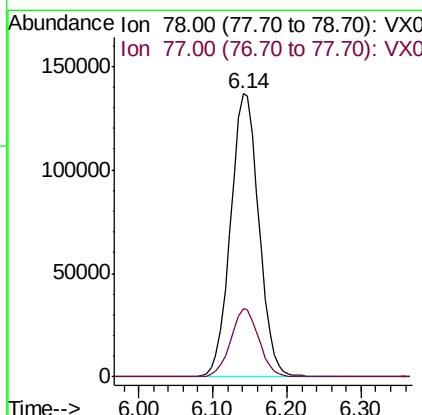
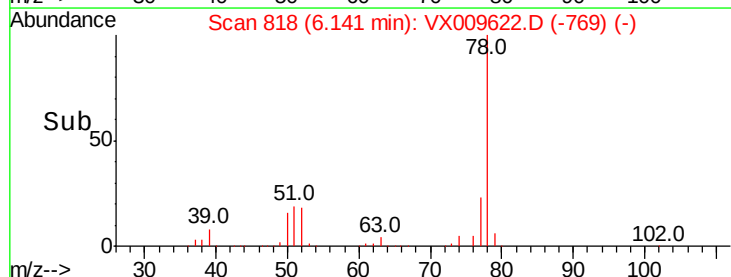
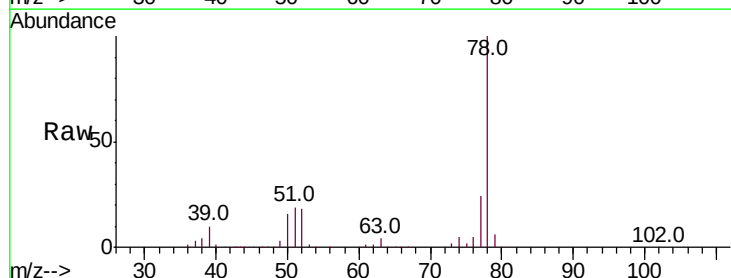
Manual Integrations
APPROVED

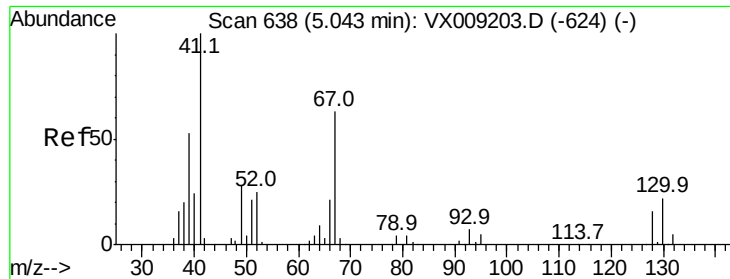
MMDadoda
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#40
Benzene
Concen: 50.050 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





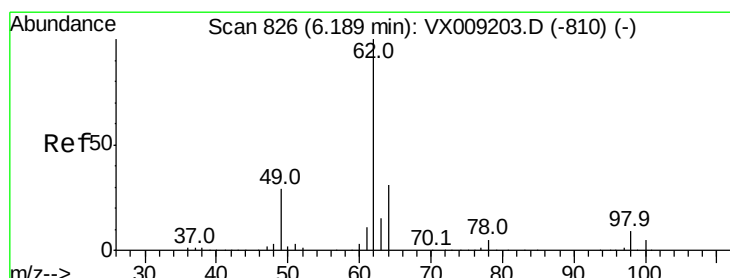
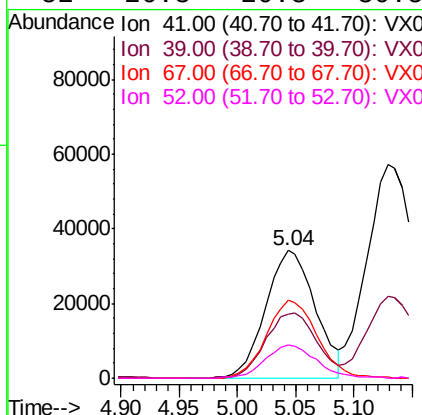
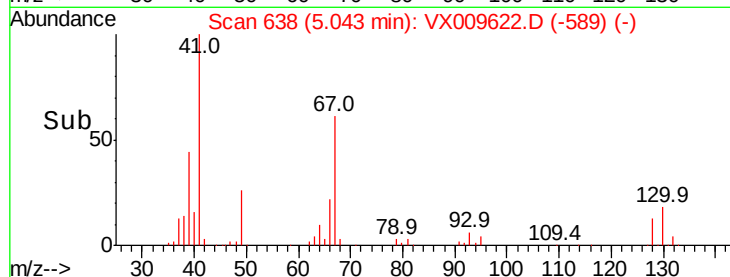
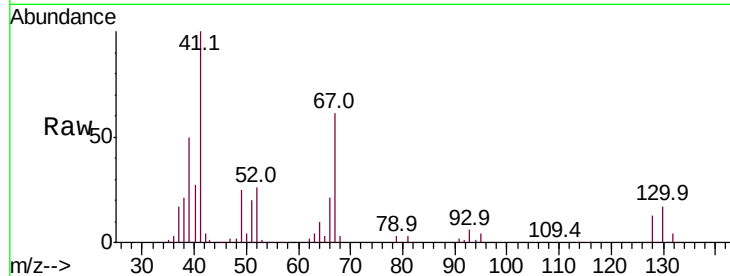
#41
Methacrylonitrile
Concen: 51.886 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.0	63.0	
67	62.3	49.8	74.8	
52	26.3	20.3	30.5	

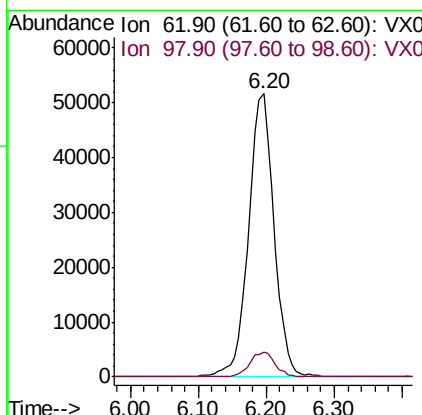
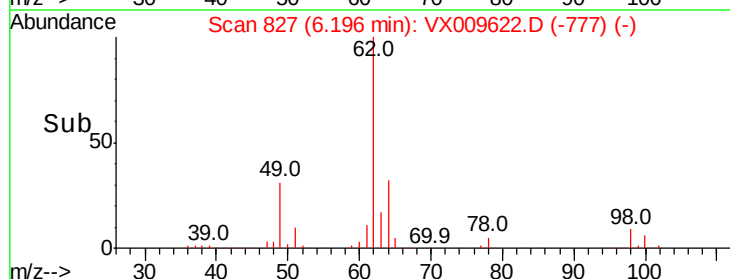
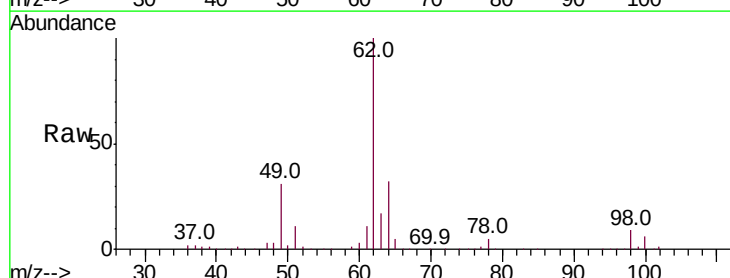
Manual Integrations
APPROVED

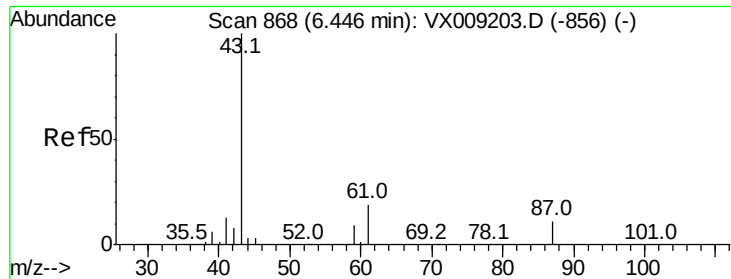
MMDadoda
5/17/2019 1:09:34 PM



#42
1,2-Dichloroethane
Concen: 51.448 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 53.963 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

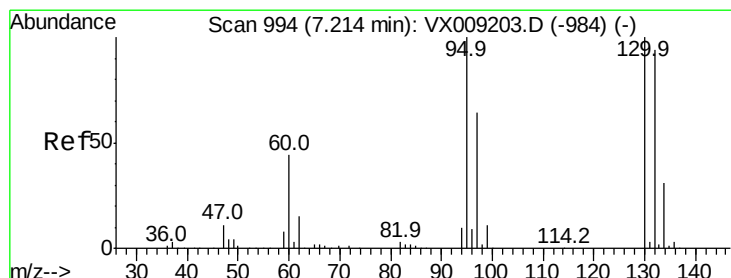
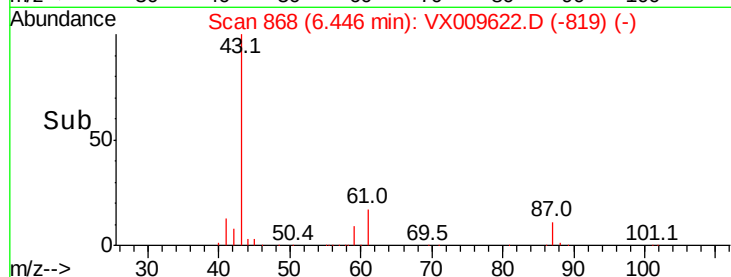
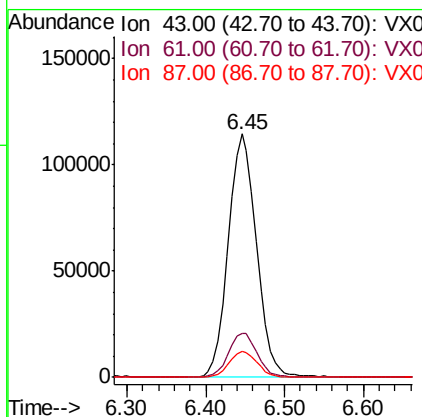
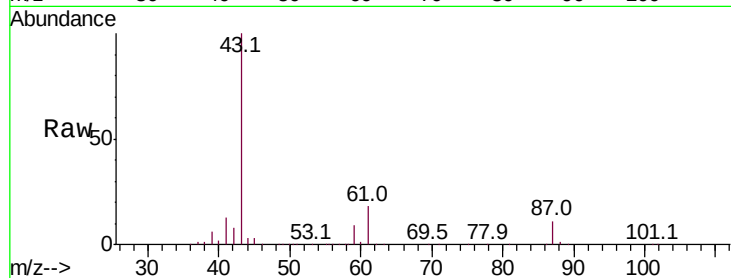
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	283331
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	10.9	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 48.756 ug/l

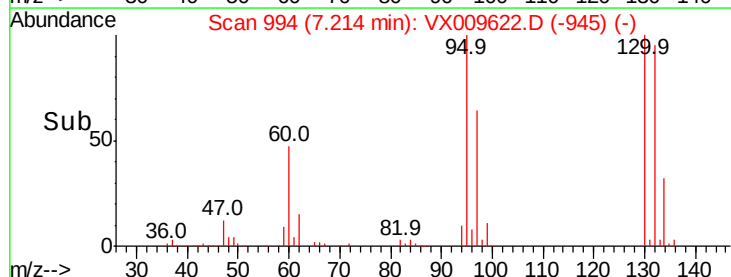
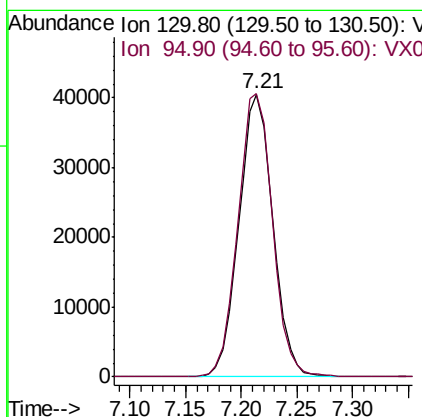
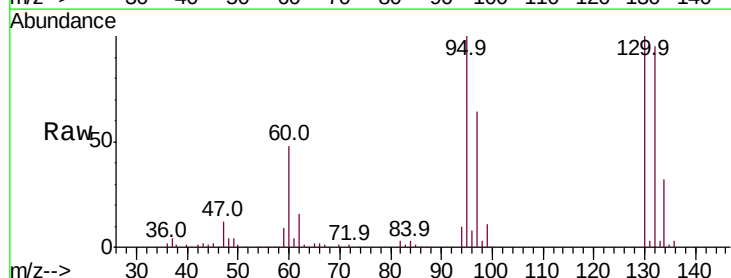
RT: 7.21 min Scan# 994

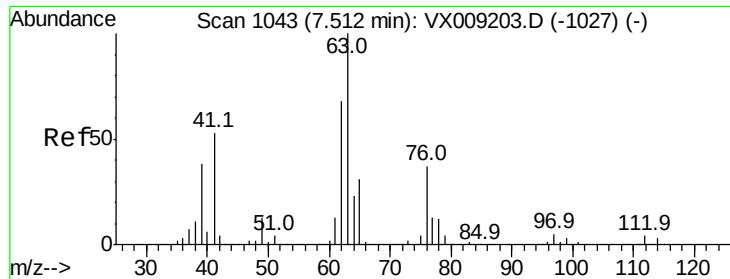
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion:	130	Resp:	85939
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	199.2





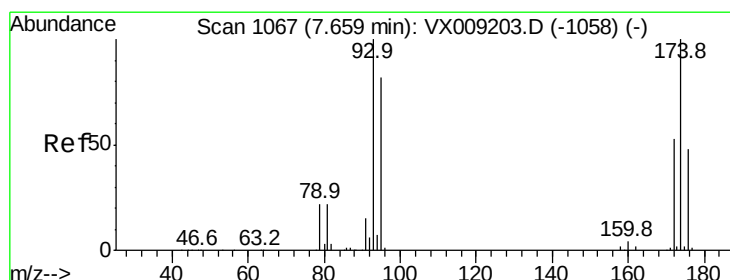
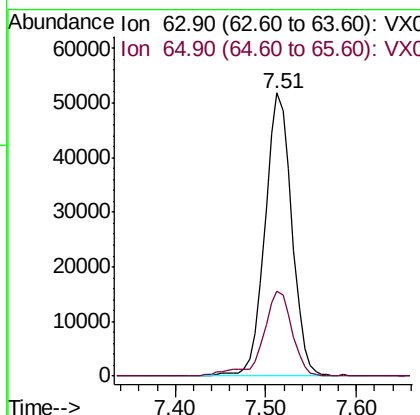
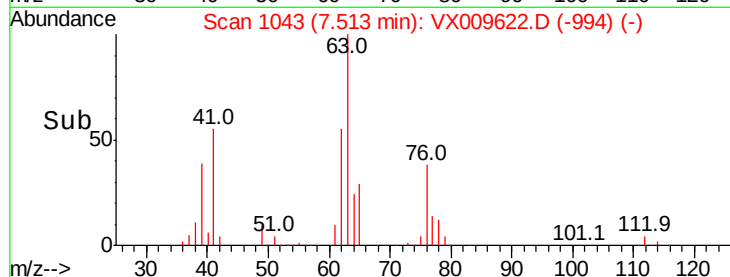
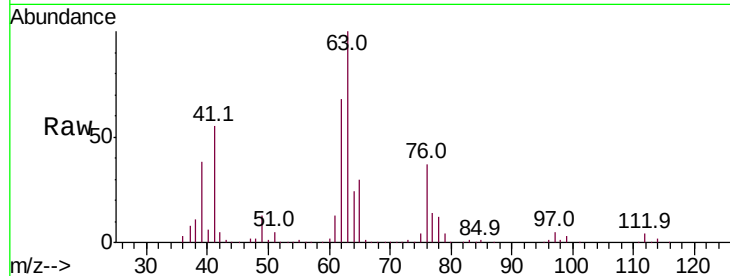
#45
 1,2-Dichloropropane
 Concen: 51.260 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 105828
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

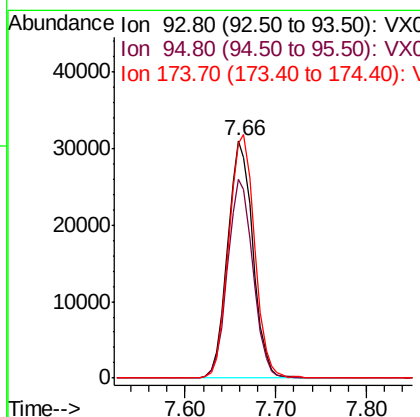
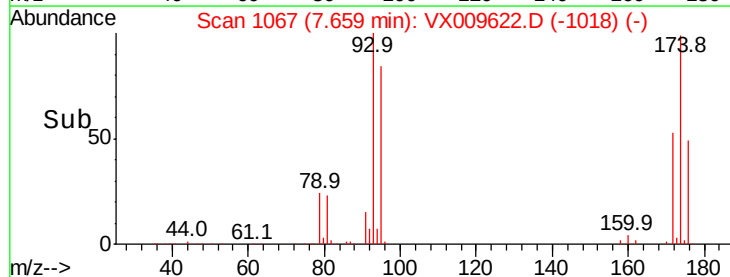
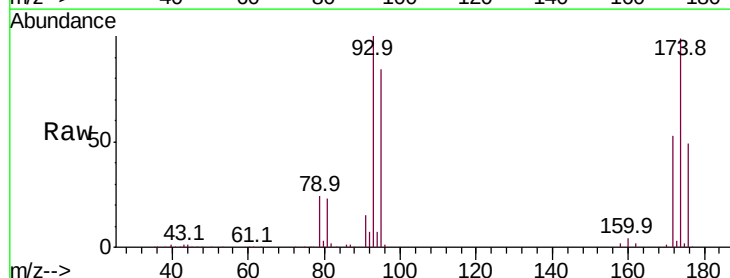
Manual Integrations
 APPROVED

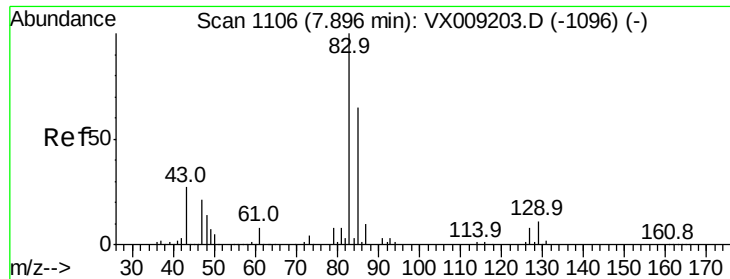
MMDadoda
 5/17/2019 1:09:34 PM



#46
 Dibromomethane
 Concen: 49.789 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion: 93 Resp: 59692
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.5 99.7
 174 105.3 82.1 123.1





#47

Bromodichloromethane

Concen: 51.742 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

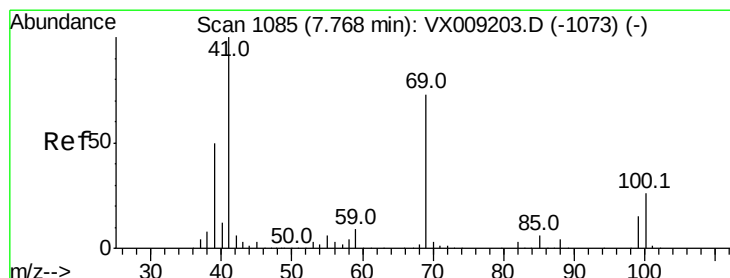
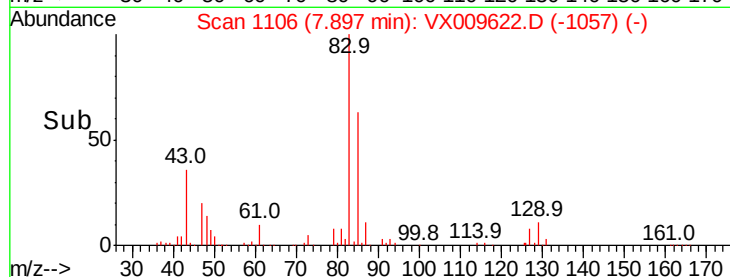
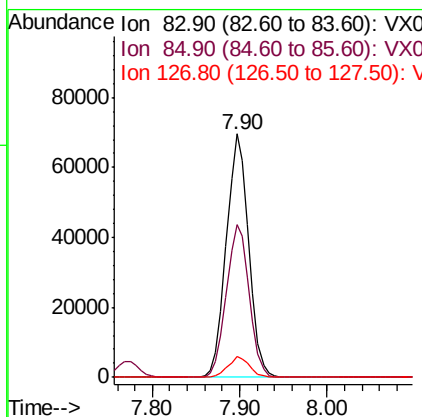
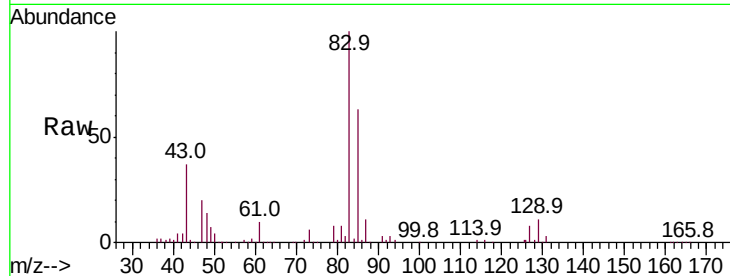
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123741
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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5/17/2019 1:09:34 PM



#48

Methyl methacrylate

Concen: 54.982 ug/l

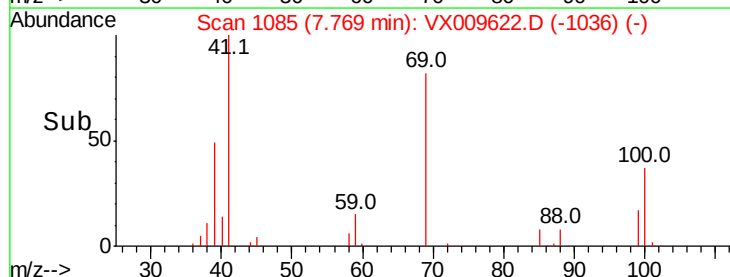
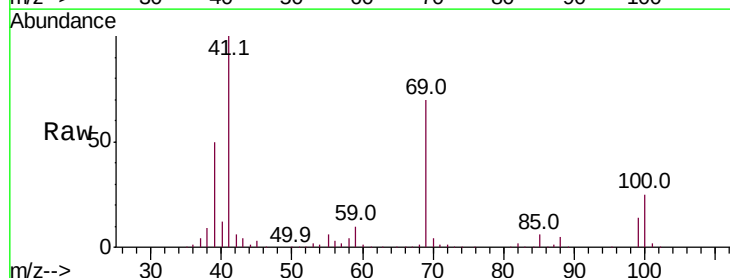
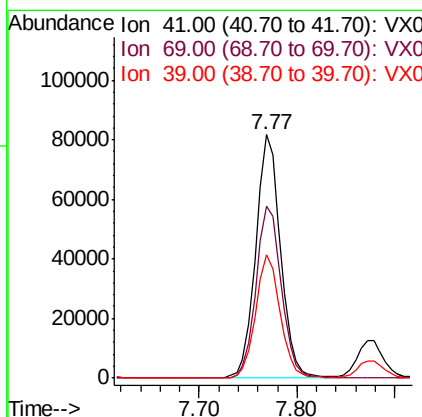
RT: 7.77 min Scan# 1085

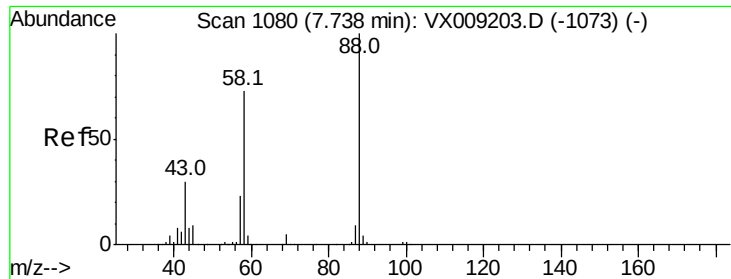
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion:	41	Resp:	143222
Ion Ratio	Lower	Upper	
41	100		
69	73.0	59.1	88.7
39	50.6	40.4	60.6





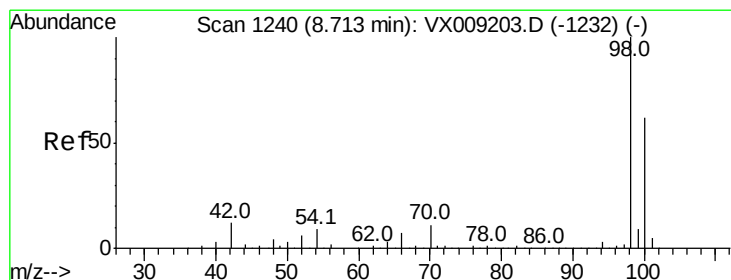
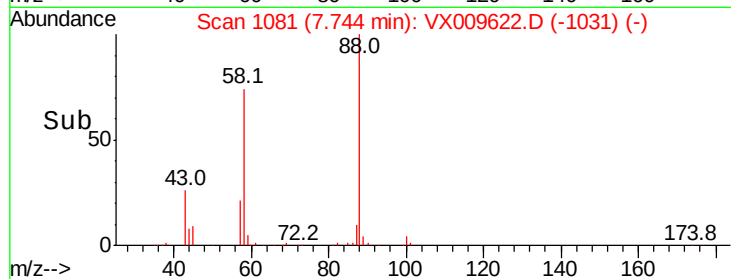
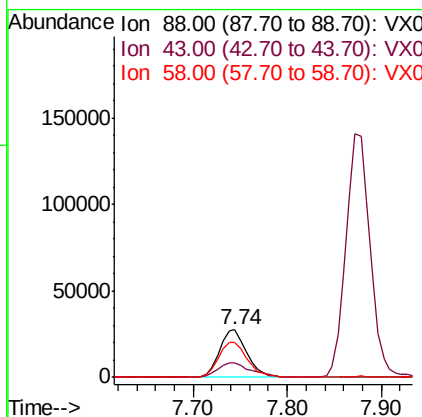
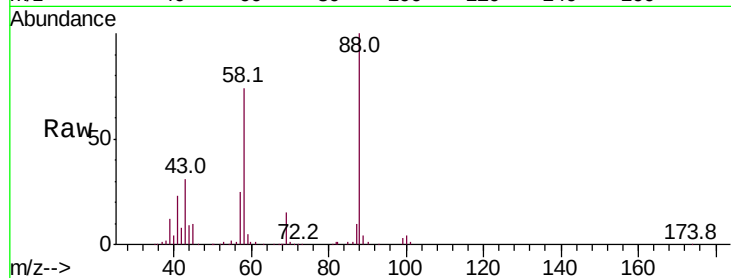
#49
1,4-Dioxane
Concen: 1045.471 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	42.8
58	78.1	61.7	92.5

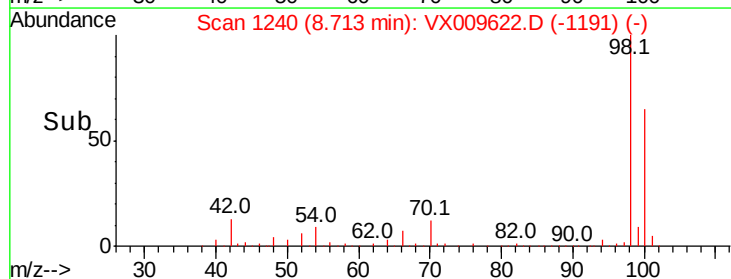
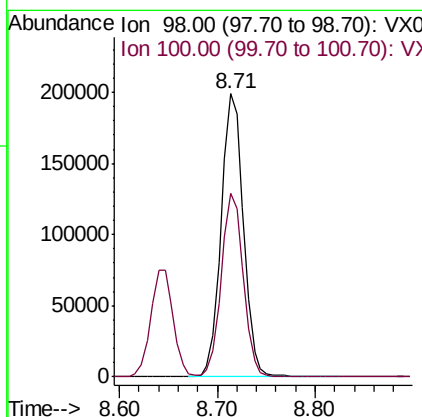
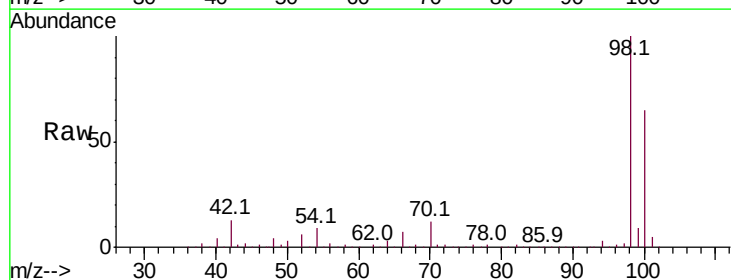
Manual Integrations
APPROVED

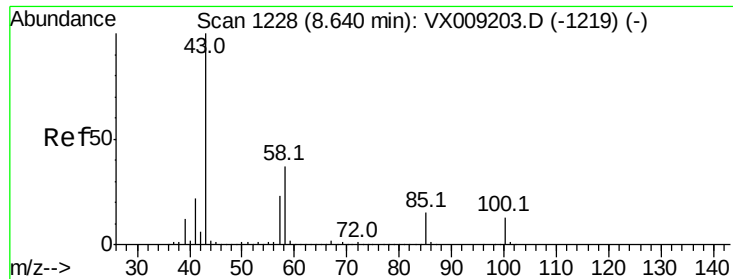
MMDadoda
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#50
Toluene-d8
Concen: 48.916 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 282.796 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 970507

Ion Ratio Lower Upper

43 100

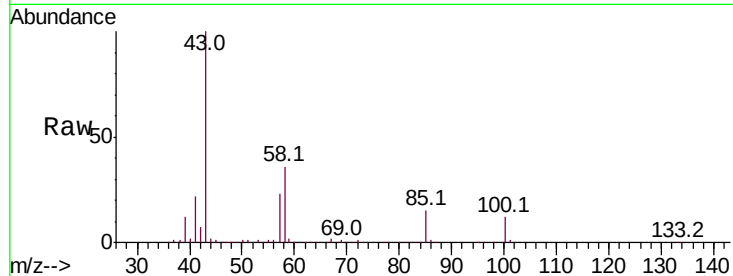
58 36.3 29.5 44.3

Manual Integrations

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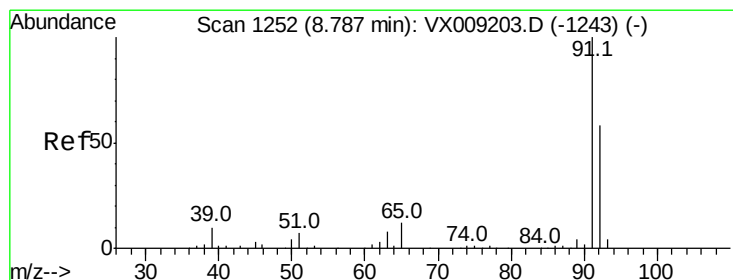
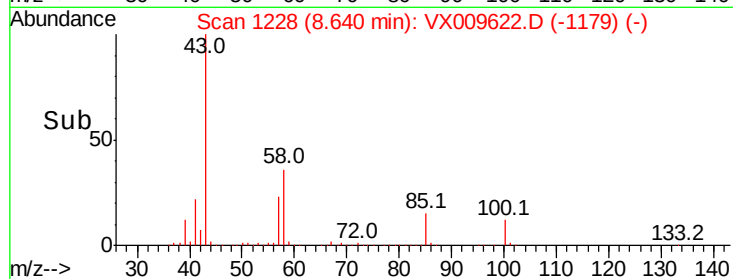
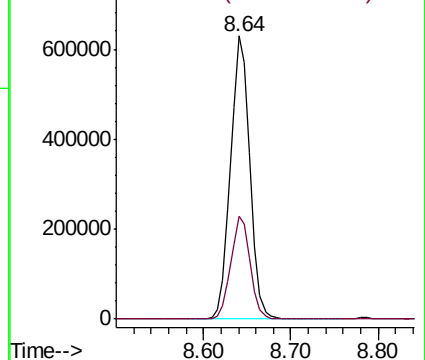
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.780 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009622.D

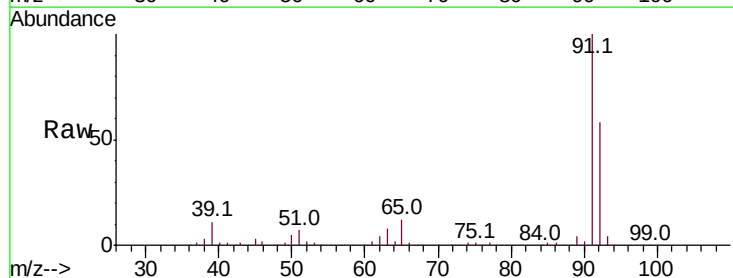
Acq: 16 May 2019 21:02

Tgt Ion: 92 Resp: 225059

Ion Ratio Lower Upper

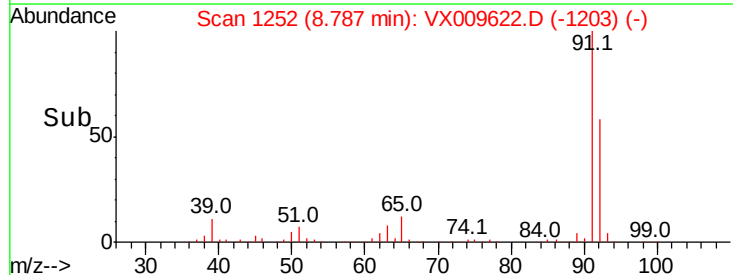
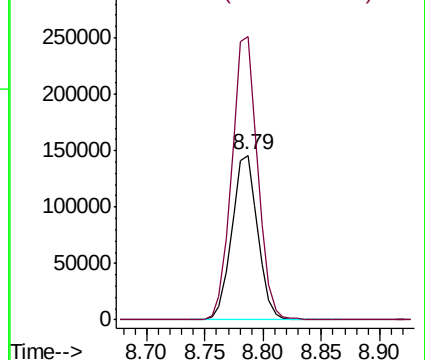
92 100

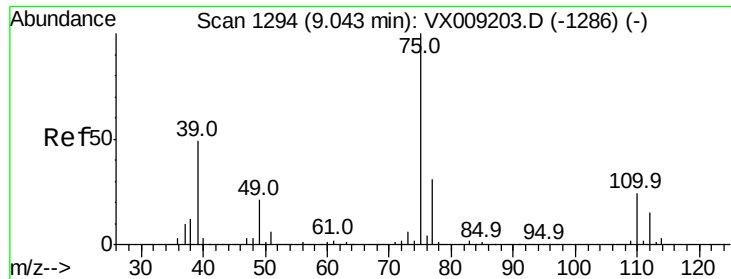
91 173.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





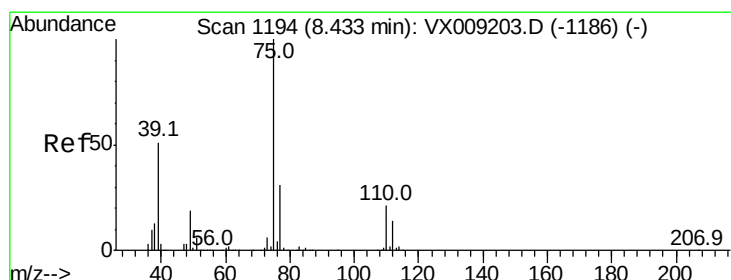
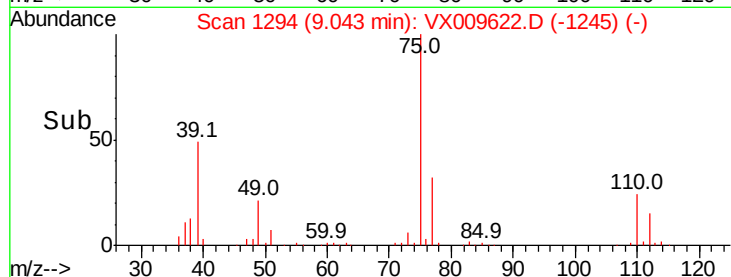
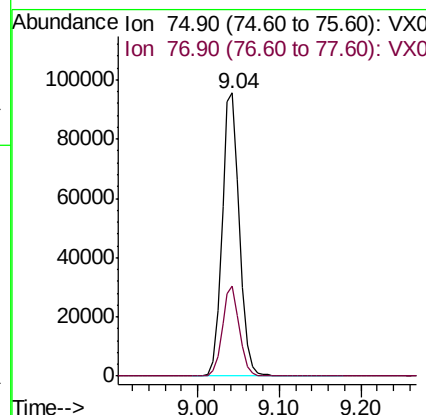
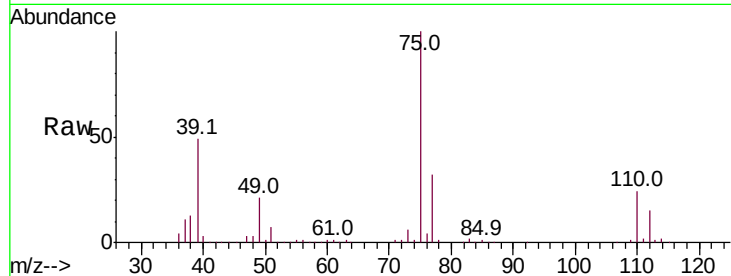
#53
t-1,3-Dichloropropene
Concen: 52.586 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141983
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

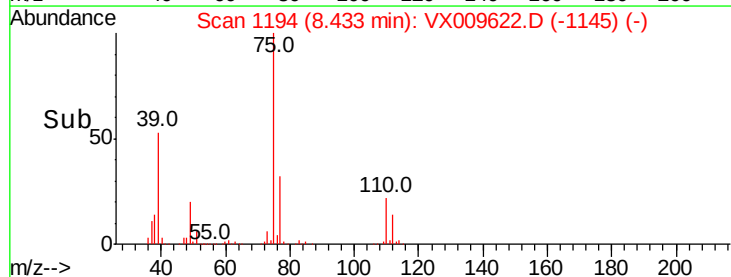
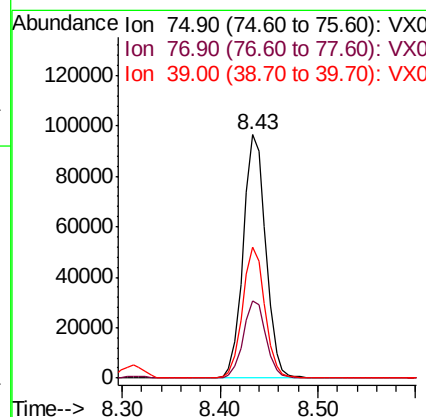
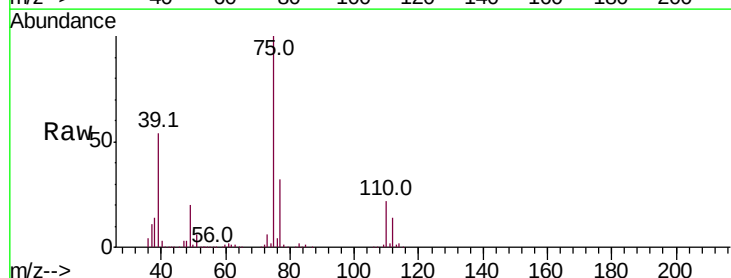
Manual Integrations
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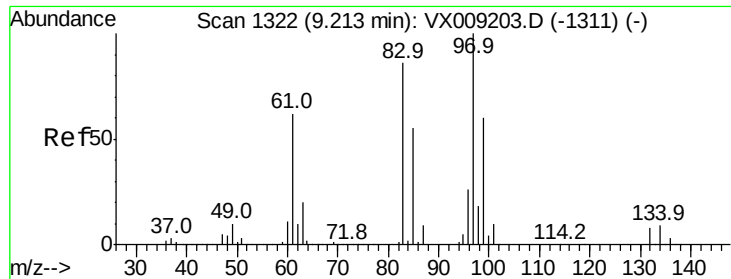
MMDadoda
5/17/2019 1:09:34 PM



#54
cis-1,3-Dichloropropene
Concen: 51.658 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 75 Resp: 154381
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 53.5 40.6 60.8





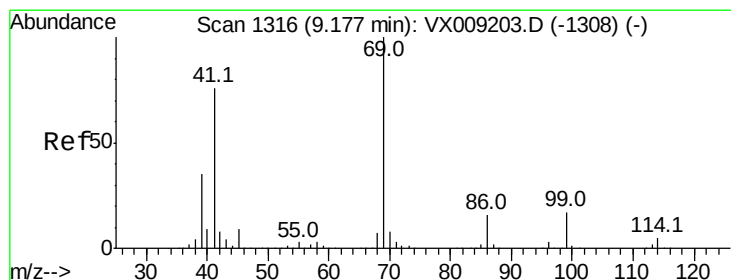
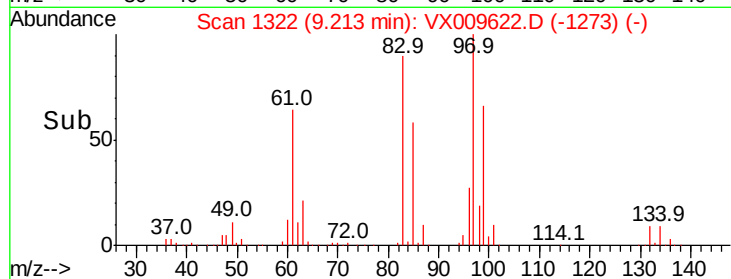
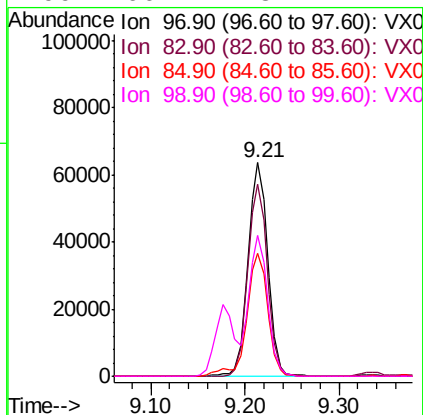
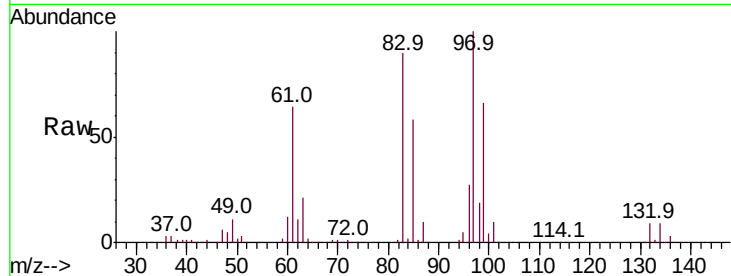
#55
 1,1,2-Trichloroethane
 Concen: 51.633 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93361		
83	89.7	68.9	103.3		
85	57.8	43.8	65.6		
99	66.1	48.2	72.2		

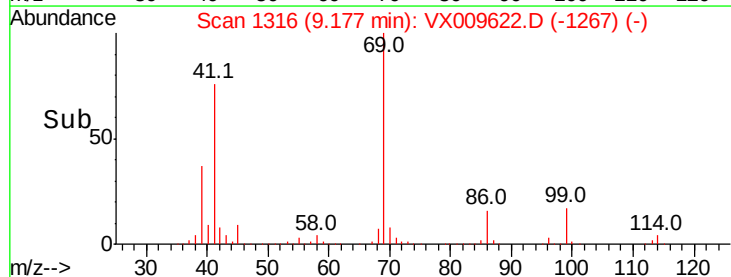
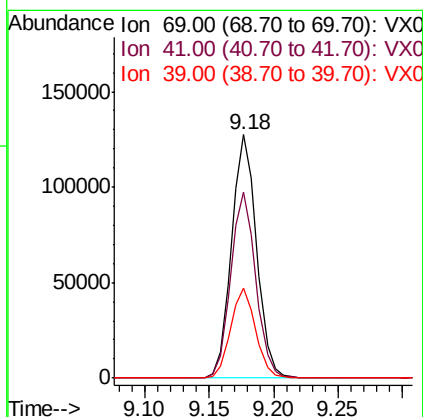
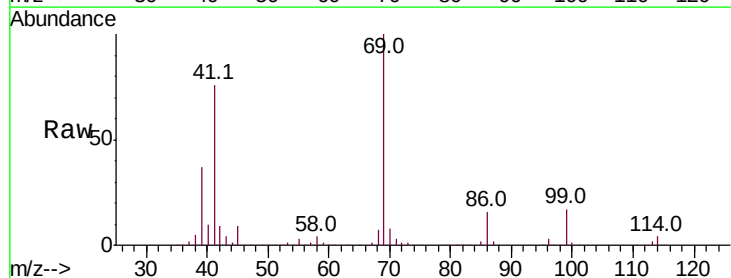
Manual Integrations
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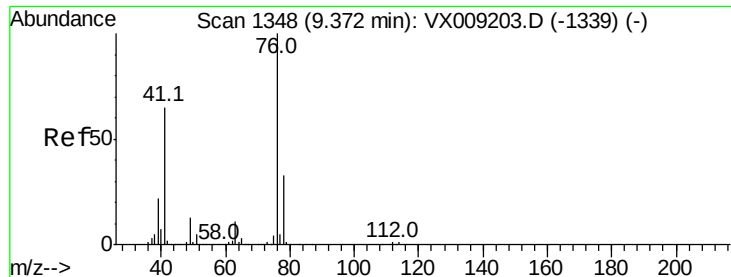
MMDadoda
 5/17/2019 1:09:34 PM



#56
 Ethyl methacrylate
 Concen: 53.885 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		173924		
41	76.5	60.6	90.8		
39	36.7	28.2	42.4		





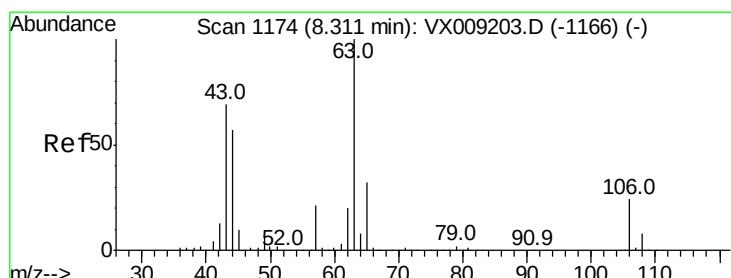
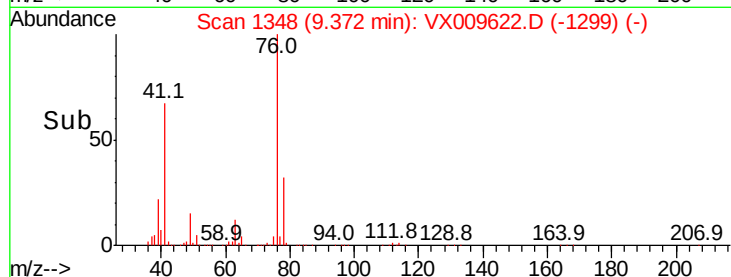
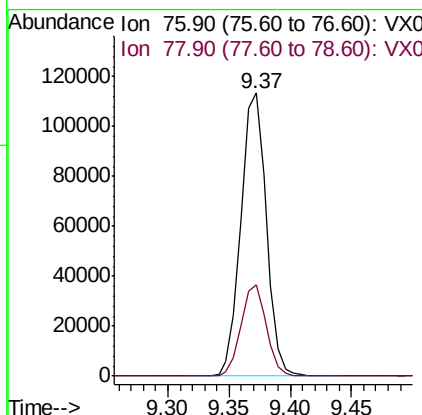
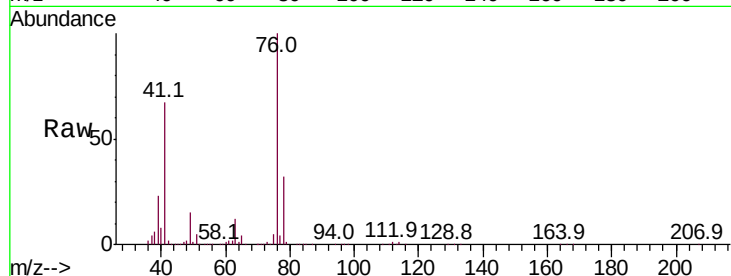
#57
 1,3-Dichloropropane
 Concen: 51.446 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

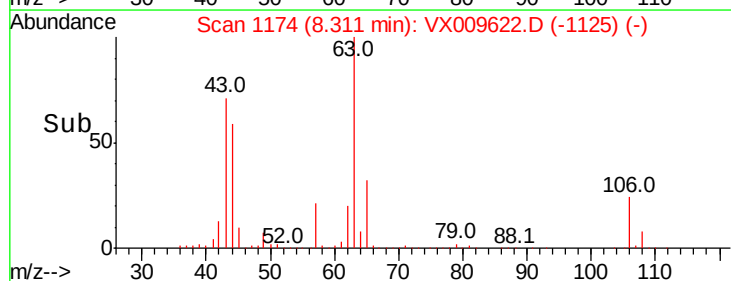
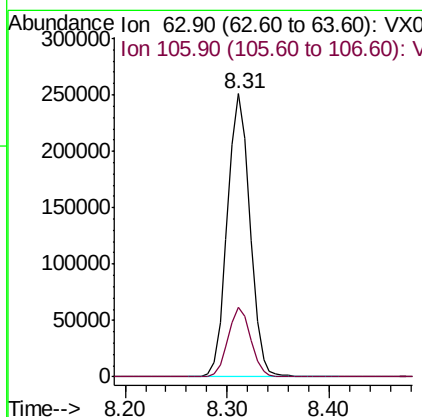
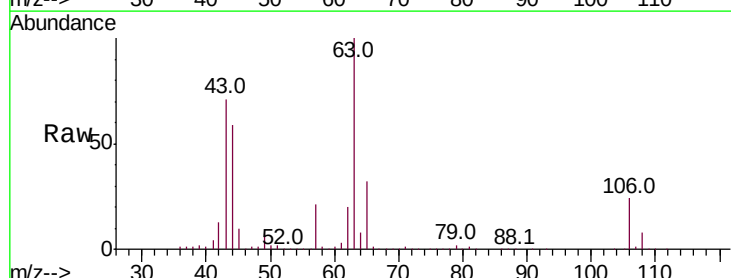
Manual Integrations
 APPROVED

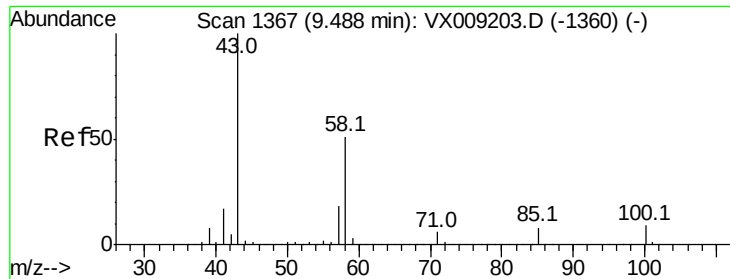
MMDadoda
 5/17/2019 1:09:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.761 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.7	29.5





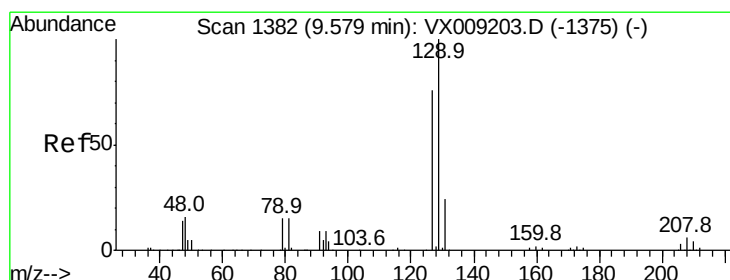
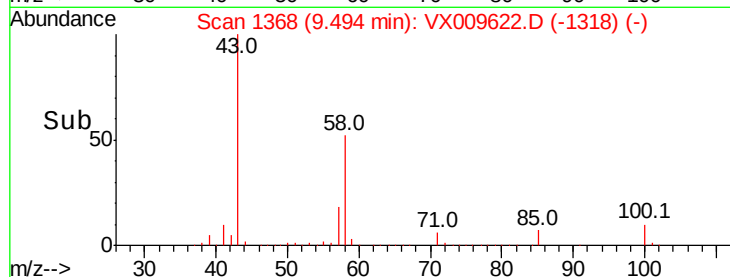
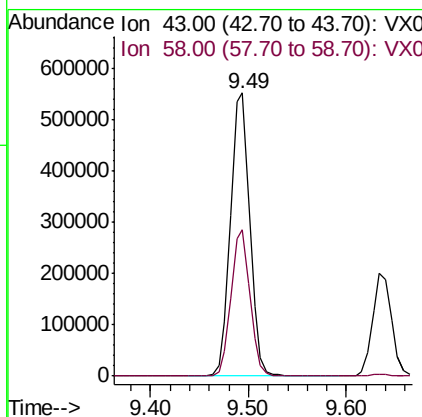
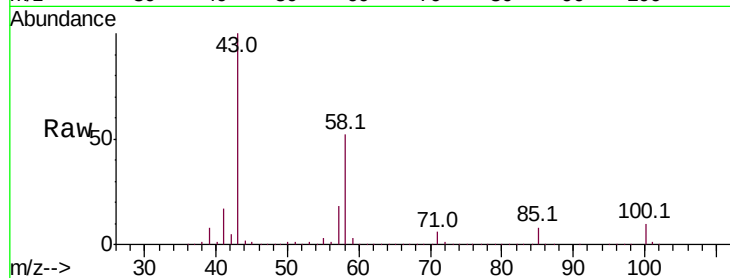
#59
2-Hexanone
Concen: 280.135 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 755051
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7

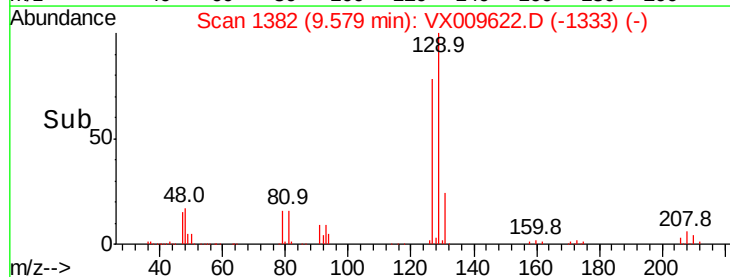
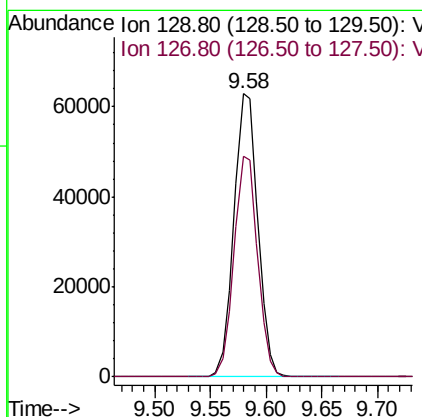
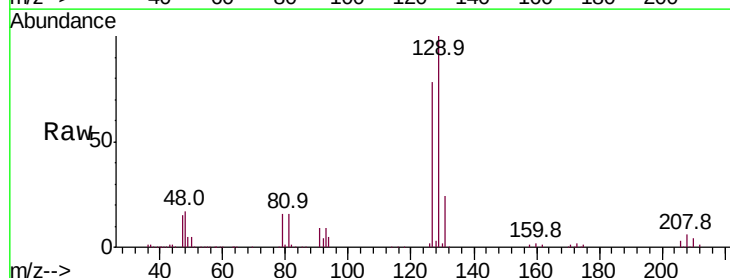
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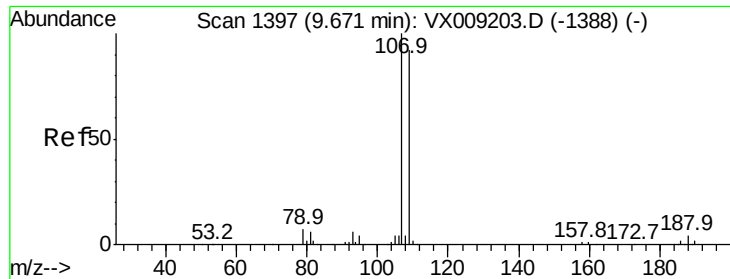
MMDadoda
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#60
Dibromochloromethane
Concen: 53.042 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 129 Resp: 93673
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.209 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 95292

Ion Ratio Lower Upper

107 100

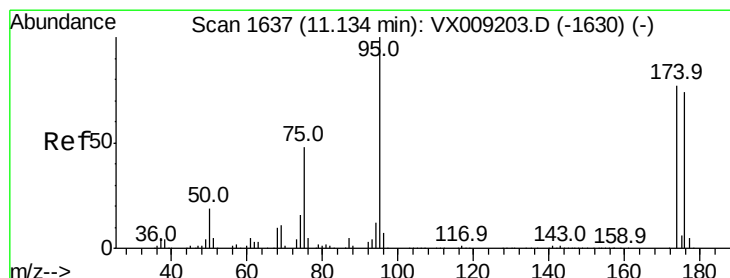
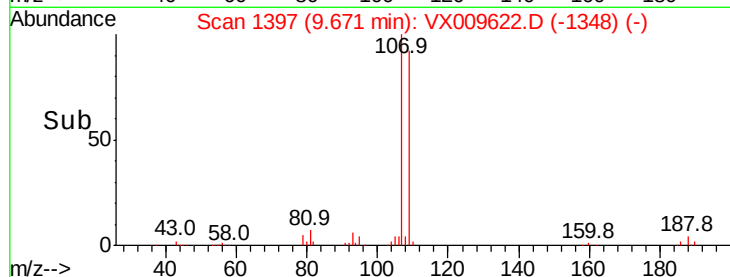
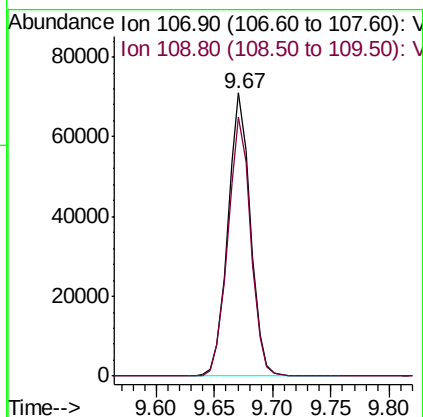
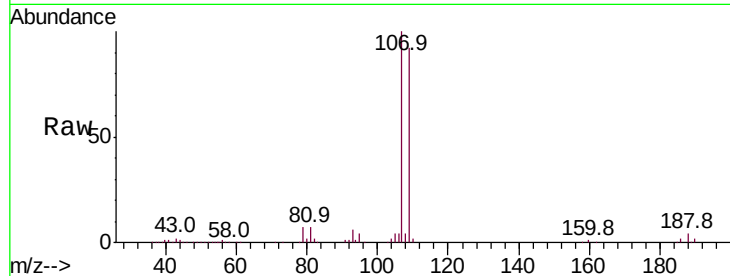
109 92.8 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.701 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

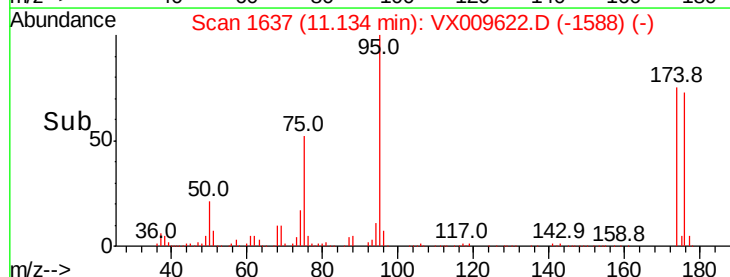
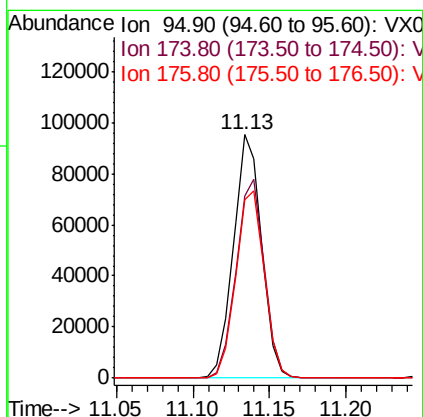
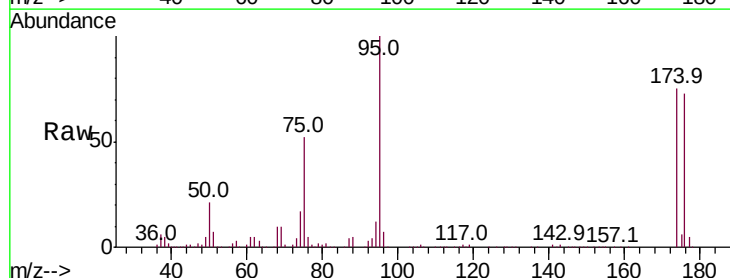
Tgt Ion: 95 Resp: 120871

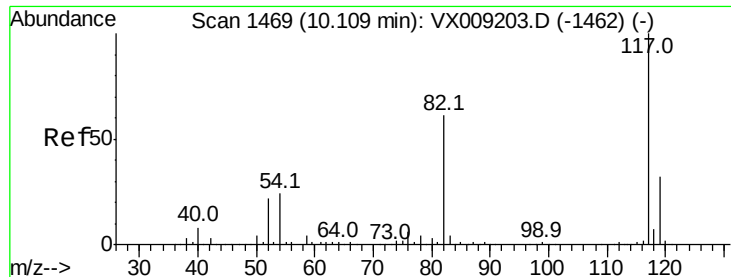
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

176 78.3 0.0 159.2





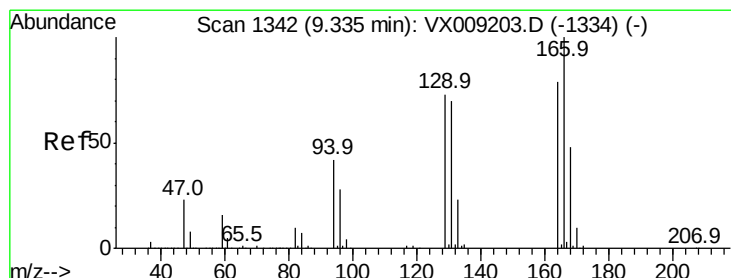
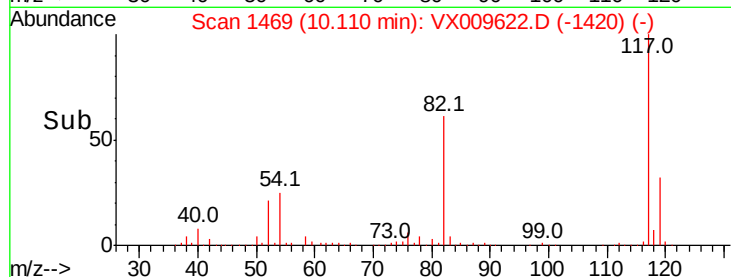
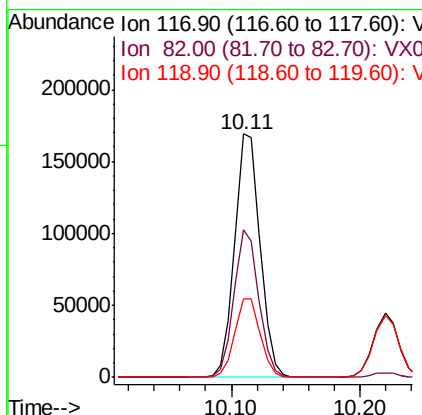
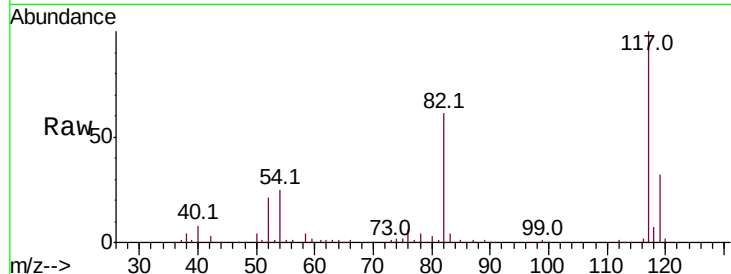
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.8	73.2
119	32.3	25.8	38.6

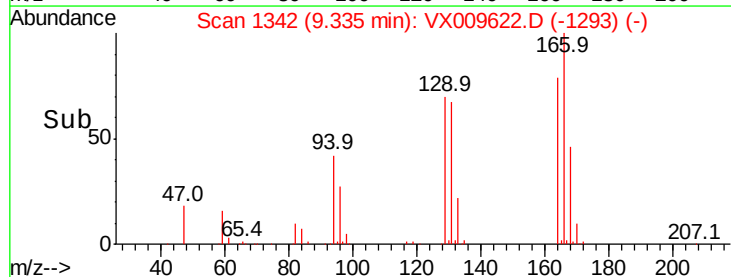
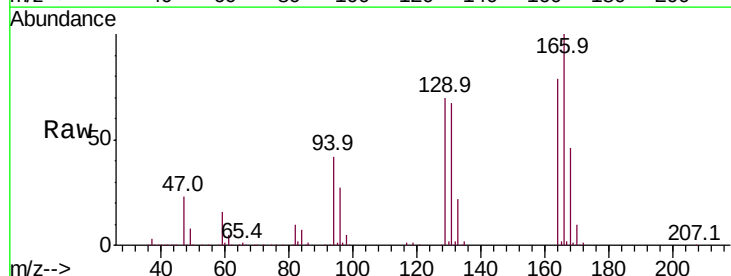
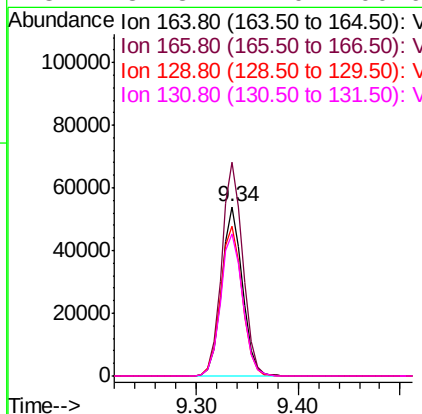
Manual Integrations
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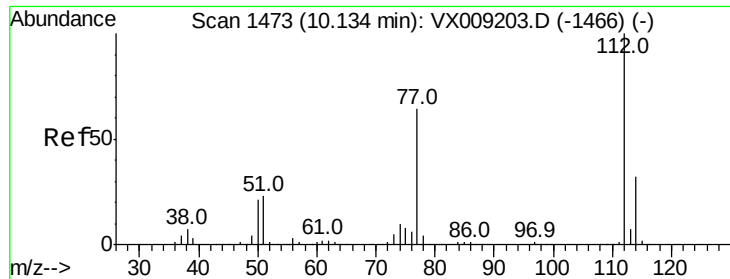
MMDadoda
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#64
Tetrachloroethene
Concen: 47.526 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.2	151.8
129	88.5	74.3	111.5
131	84.3	71.0	106.6





#65

Chlorobenzene

Concen: 50.535 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 236785

Ion Ratio Lower Upper

112 100

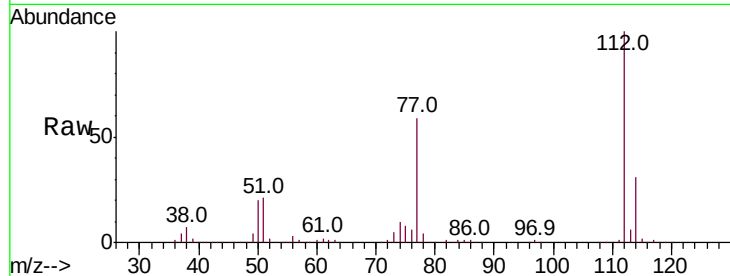
114 30.8 25.5 38.3

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

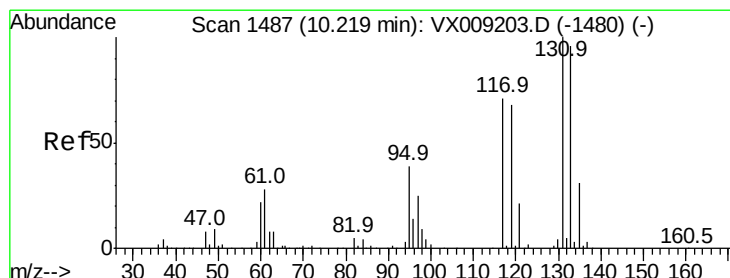
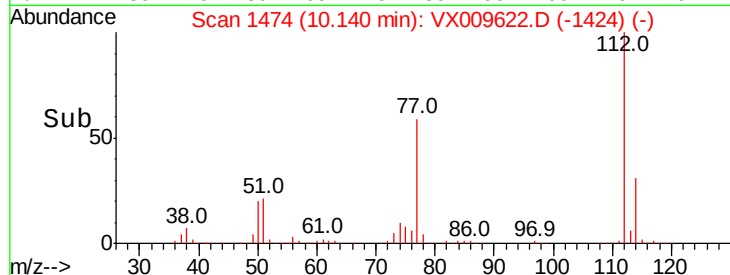
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.258 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

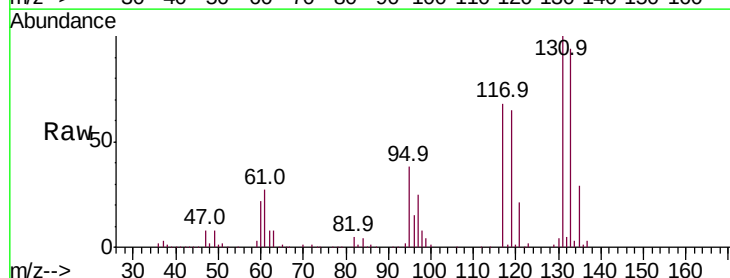
Tgt Ion:131 Resp: 87072

Ion Ratio Lower Upper

131 100

133 94.6 47.7 143.1

119 66.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

80000

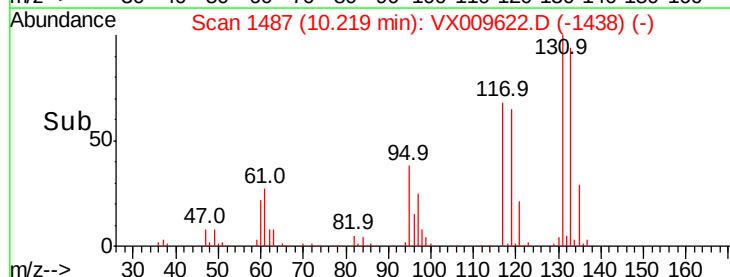
60000

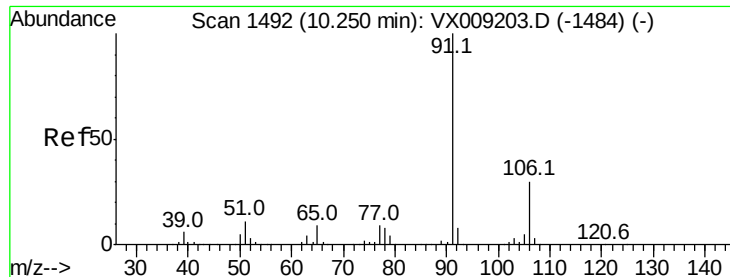
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 50.975 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 439571

Ion Ratio Lower Upper

91 100

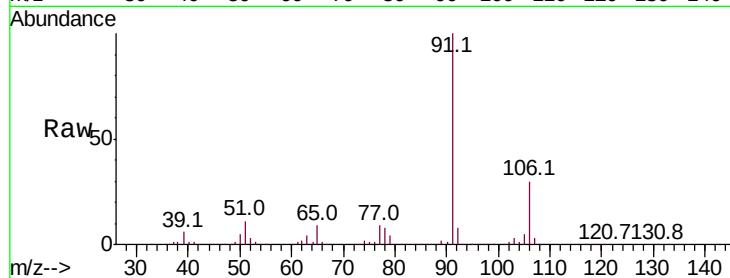
106 30.4 24.0 36.0

Manual Integrations

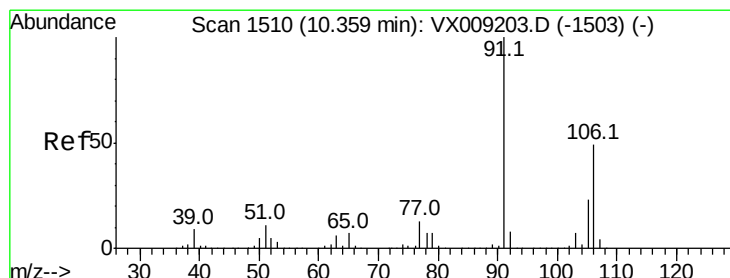
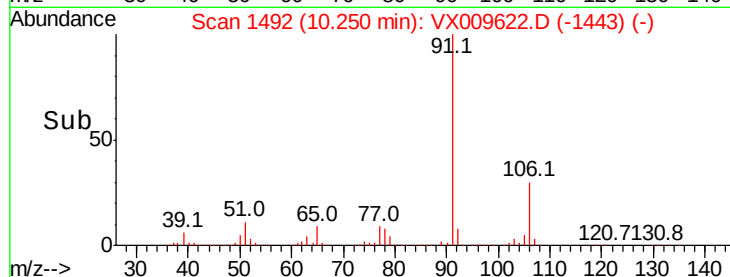
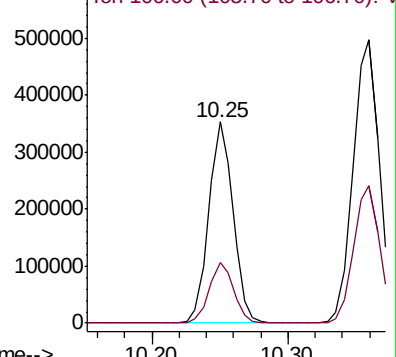
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 102.000 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009622.D

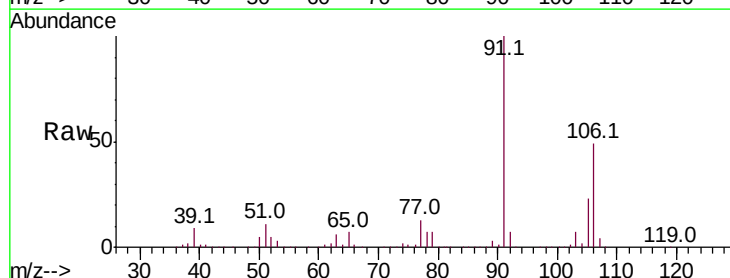
Acq: 16 May 2019 21:02

Tgt Ion: 106 Resp: 321424

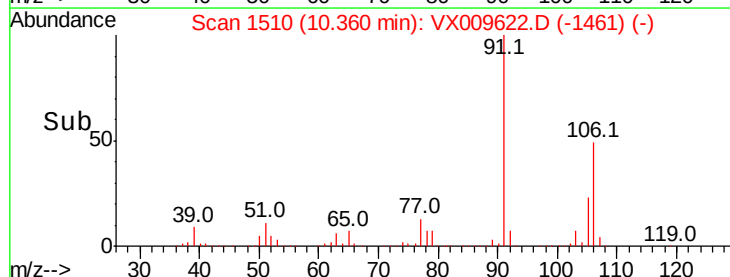
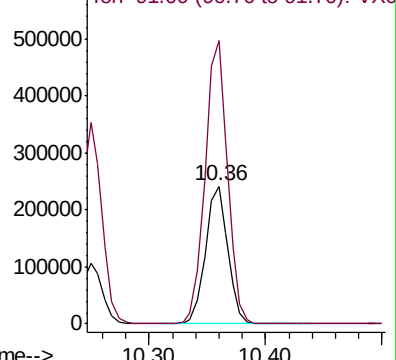
Ion Ratio Lower Upper

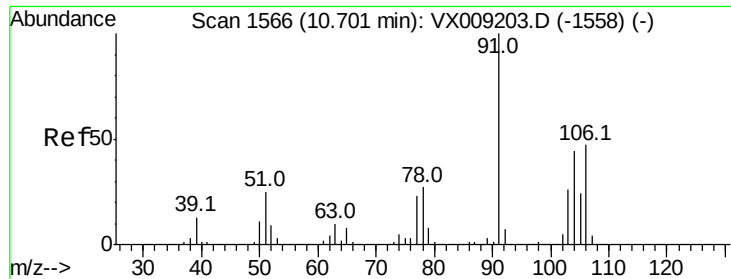
106 100

91 207.4 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)





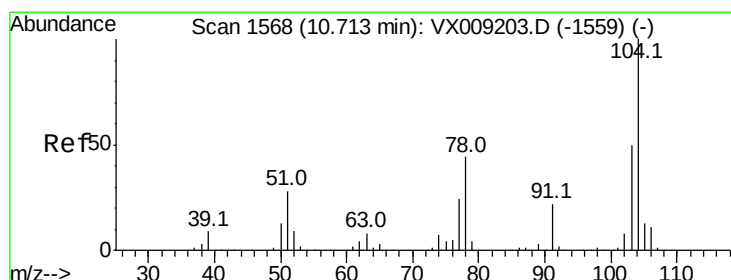
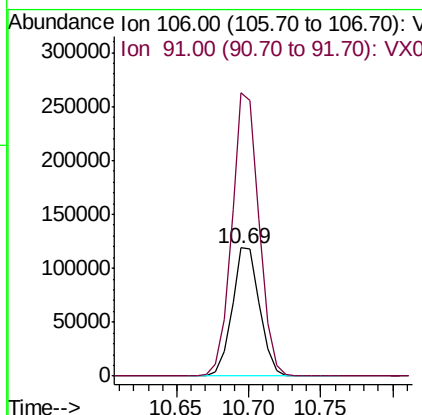
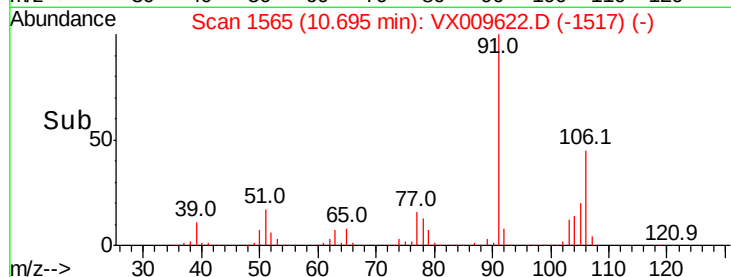
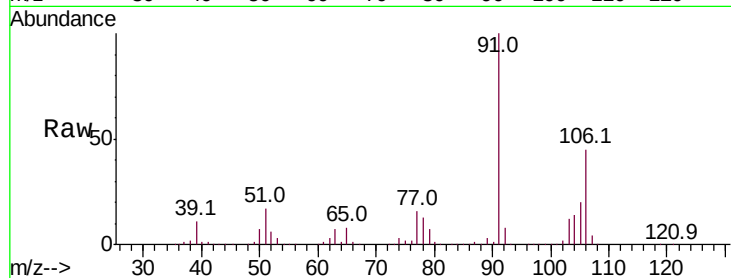
#69
o-Xylene
Concen: 51.073 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 158794
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4

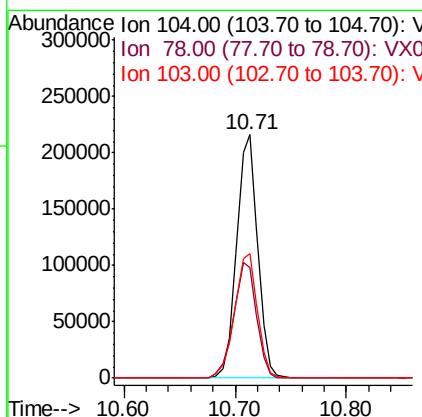
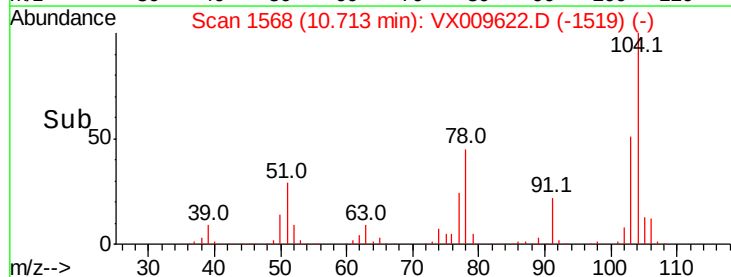
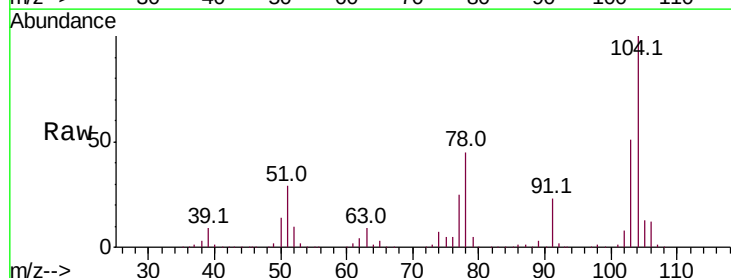
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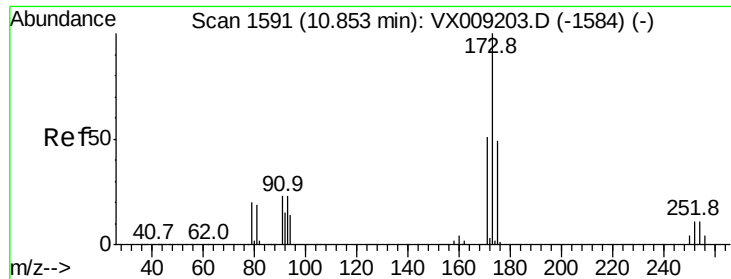
MMDadoda
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#70
Styrene
Concen: 52.046 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion:104 Resp: 281252
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.5 43.8 65.6





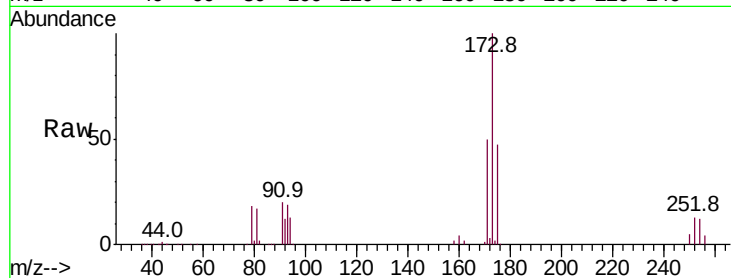
#71
Bromoform
Concen: 53.245 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

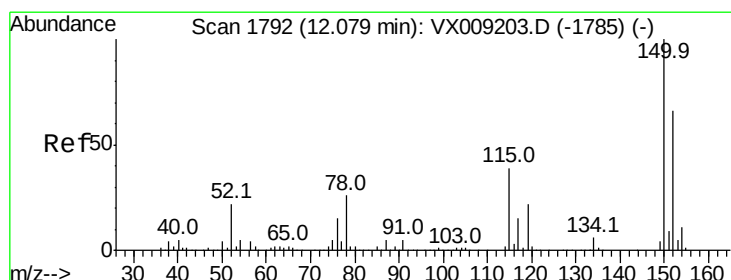
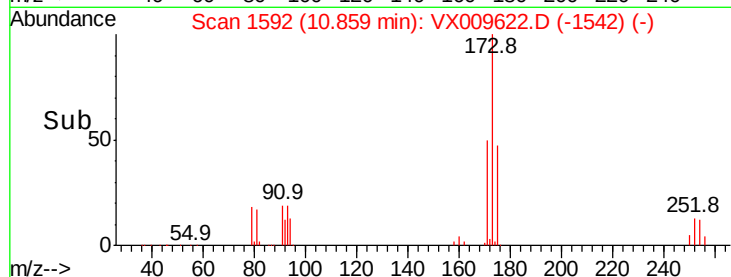
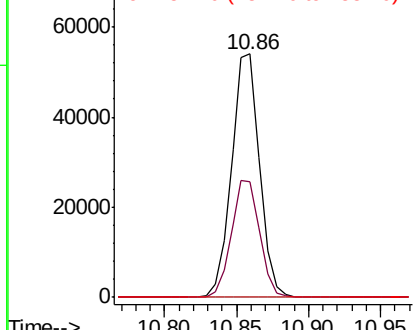
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.1	0.1	0.1

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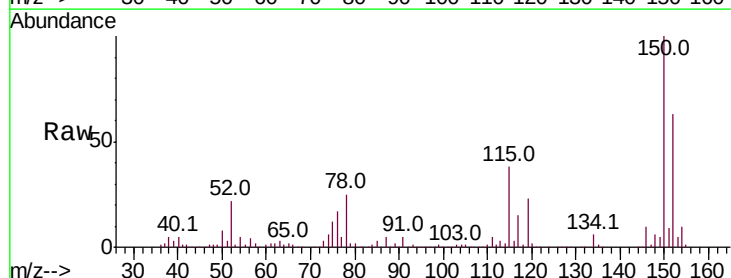


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

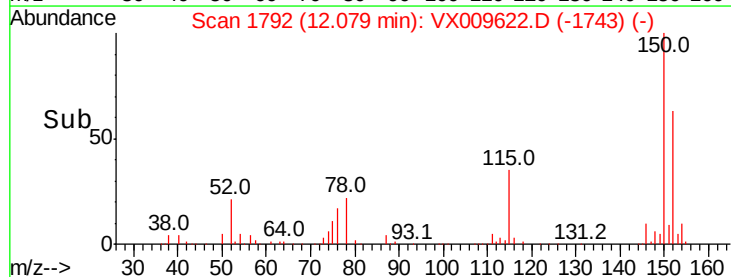
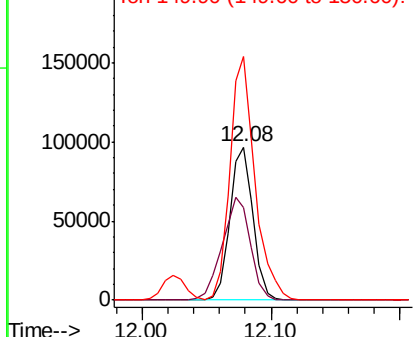


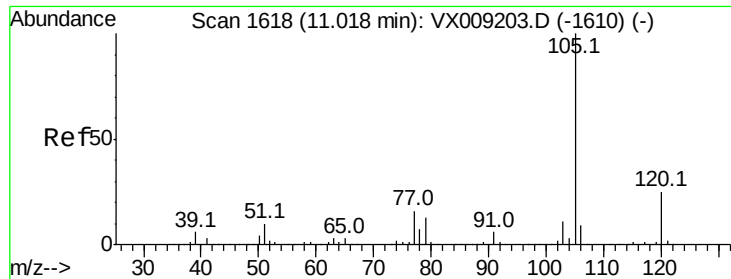
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.8	41.2	123.6
150	172.3	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





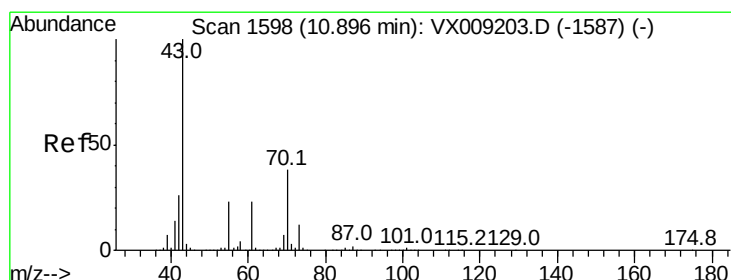
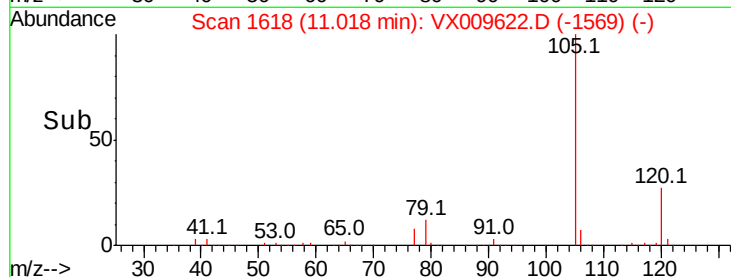
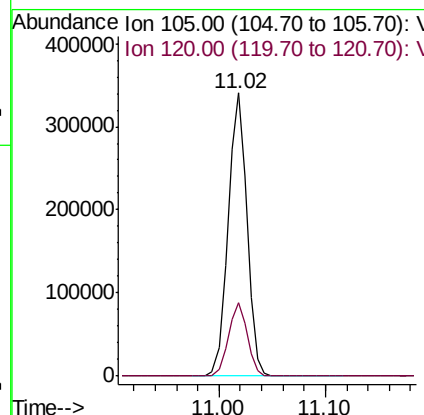
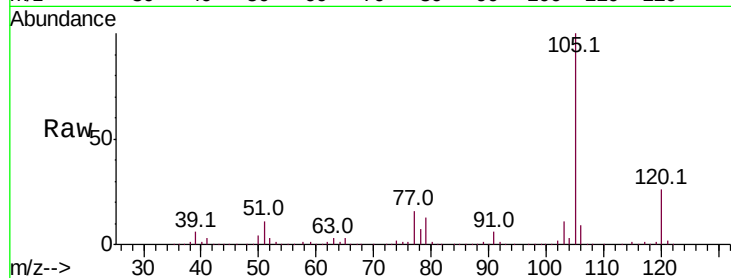
#73
Isopropylbenzene
Concen: 47.783 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 420369
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.3

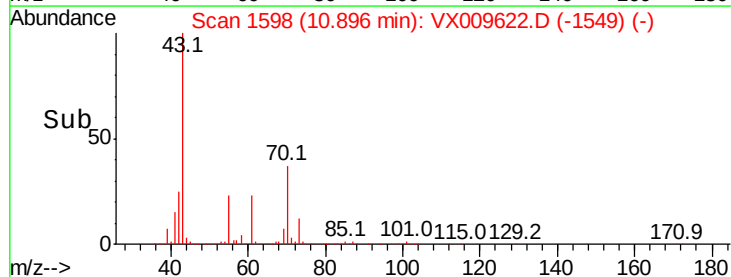
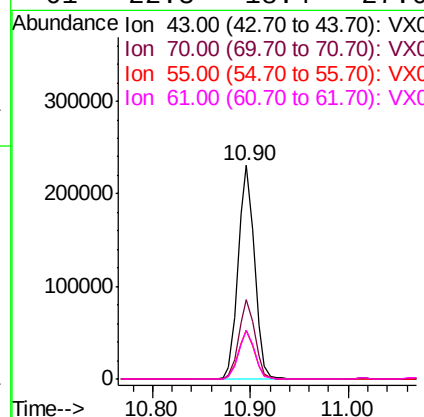
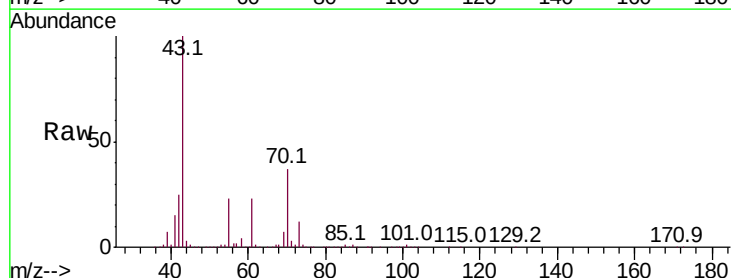
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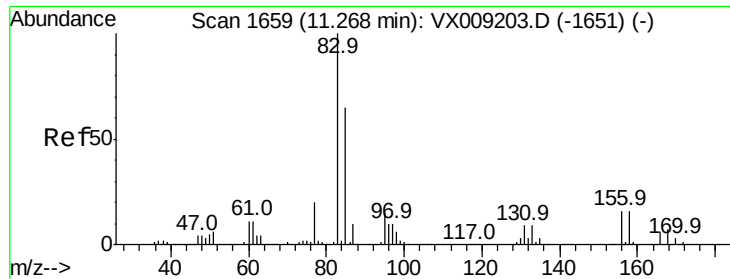
MMDadoda
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#74
N-ethyl acetate
Concen: 52.107 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion: 43 Resp: 267253
Ion Ratio Lower Upper
43 100
70 36.6 30.0 45.0
55 22.6 17.9 26.9
61 22.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.654 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

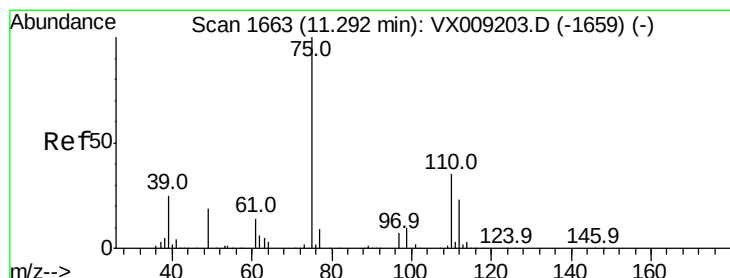
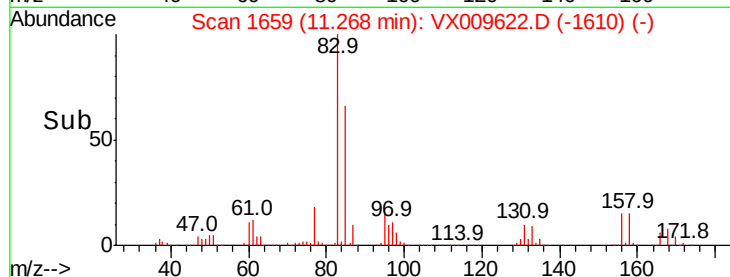
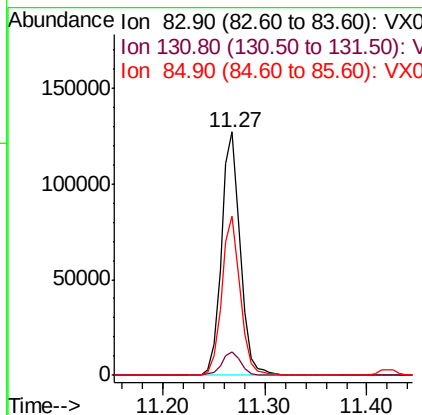
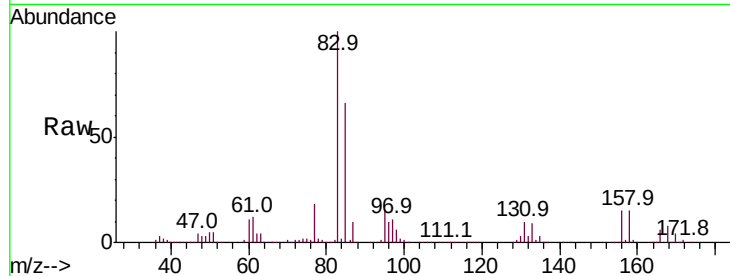
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162843
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.177 ug/l m

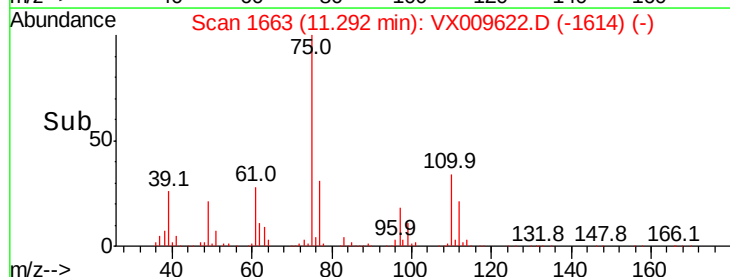
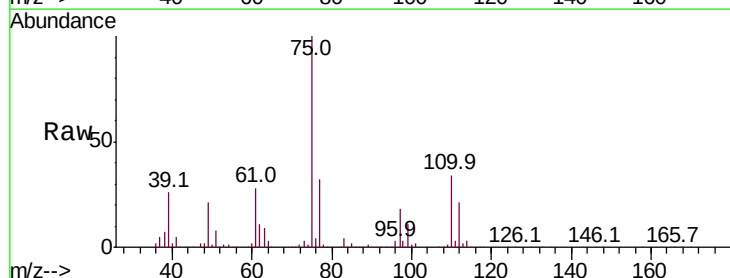
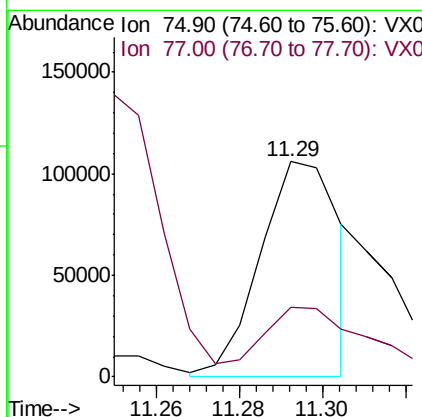
RT: 11.29 min Scan# 1663

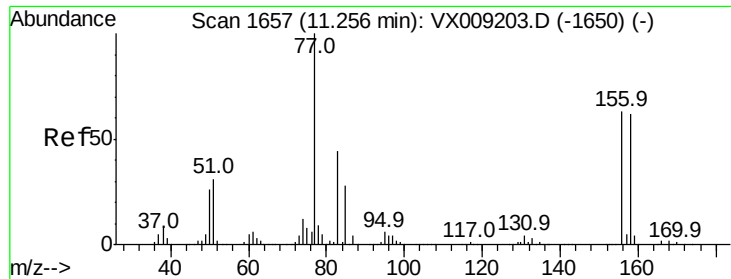
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion:	75	Resp:	140808
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1





#77

Bromobenzene

Concen: 48.370 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 105618

Ion Ratio Lower Upper

156 100

77 169.6 84.8 254.3

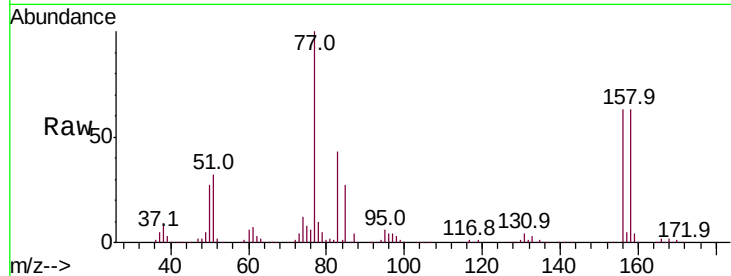
158 99.1 49.1 147.3

Manual Integrations

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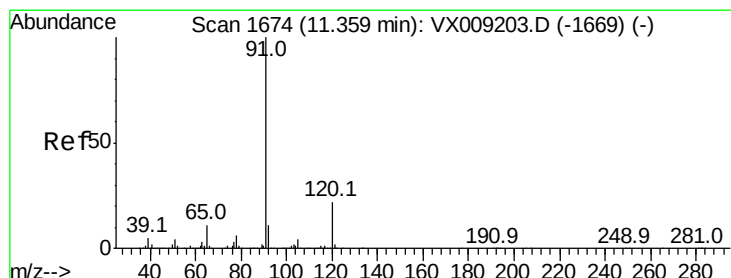
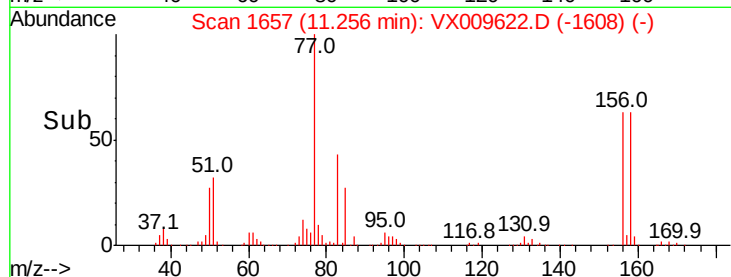
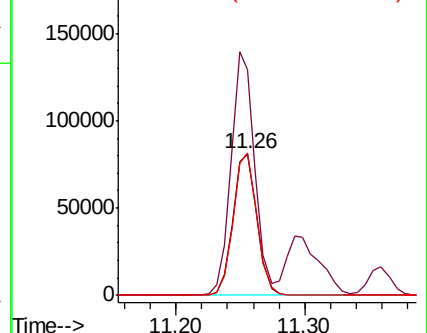
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.890 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009622.D

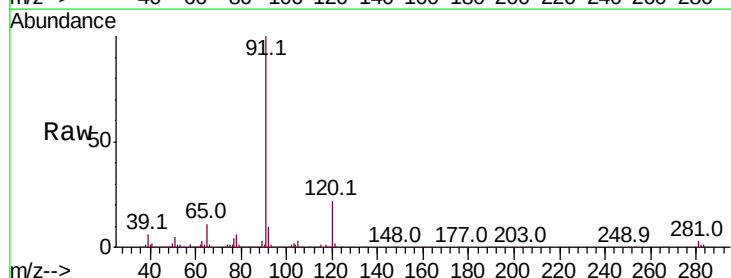
Acq: 16 May 2019 21:02

Tgt Ion: 91 Resp: 491196

Ion Ratio Lower Upper

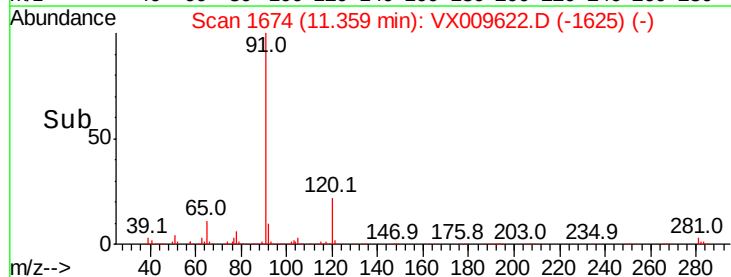
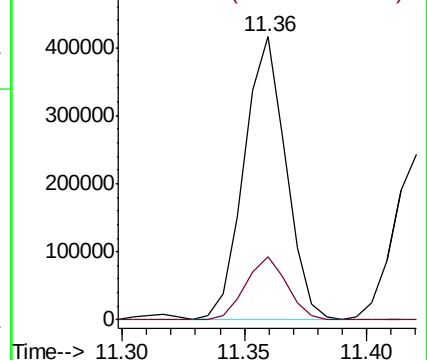
91 100

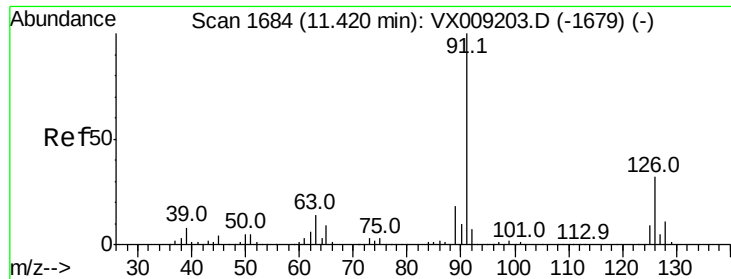
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.758 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 296032

Ion Ratio Lower Upper

91 100

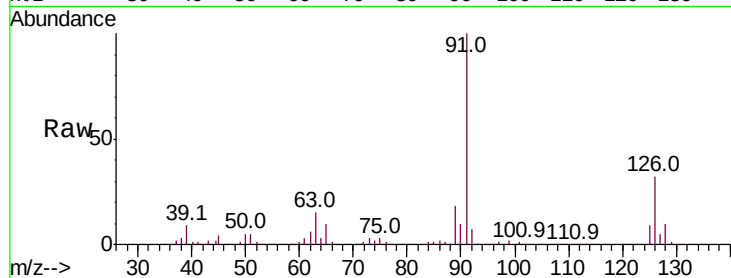
126 32.4 16.3 48.9

Manual Integrations

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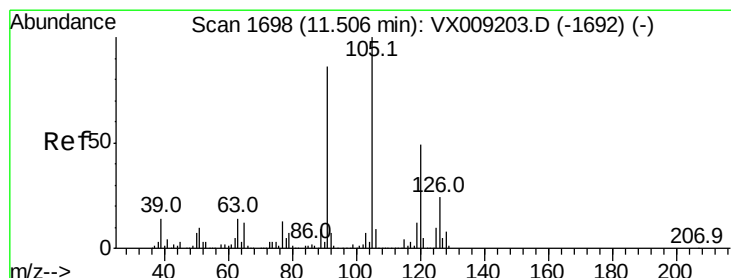
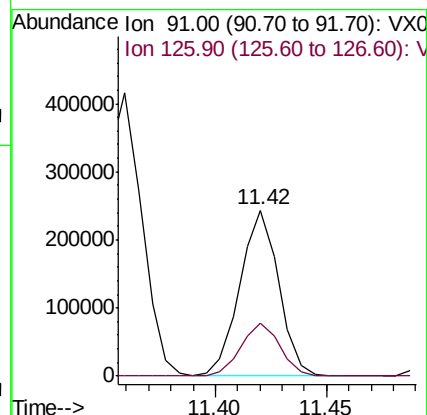
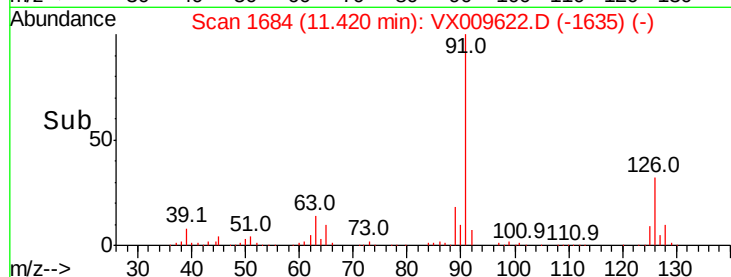
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

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

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.043 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009622.D

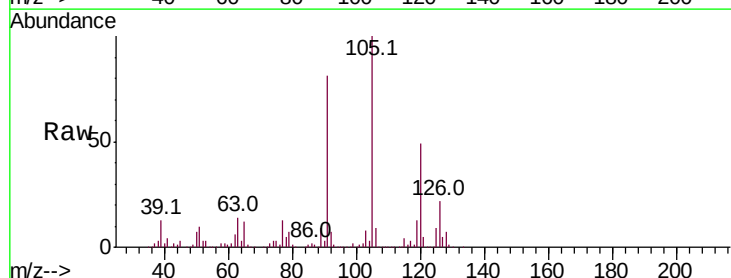
Acq: 16 May 2019 21:02

Tgt Ion: 105 Resp: 363281

Ion Ratio Lower Upper

105 100

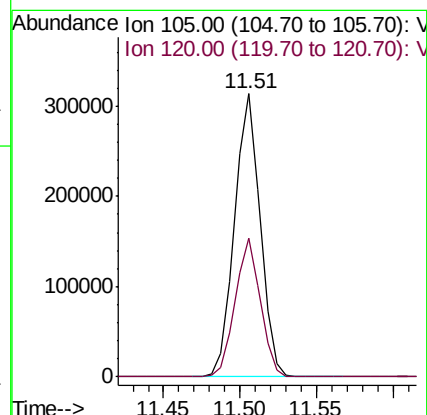
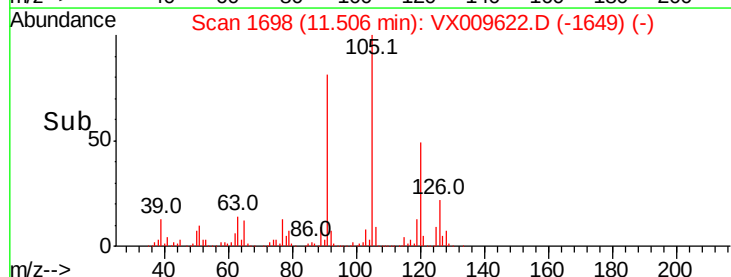
120 48.2 24.3 72.9

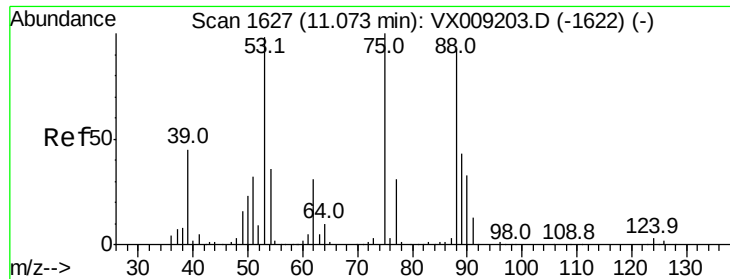


Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

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

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.295 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54066

Ion Ratio Lower Upper

75 100

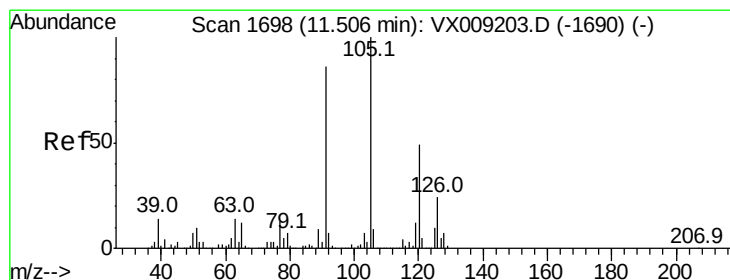
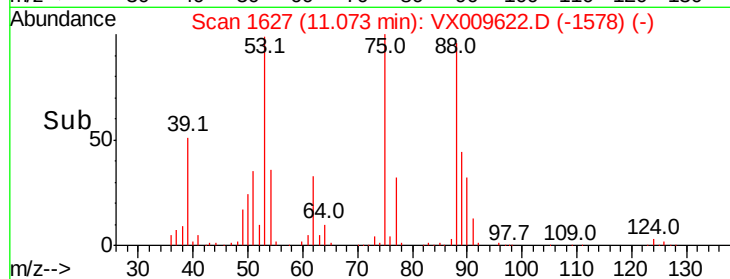
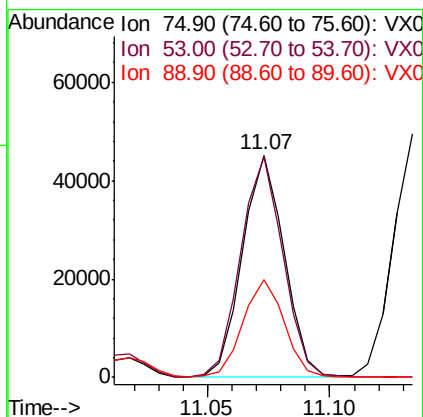
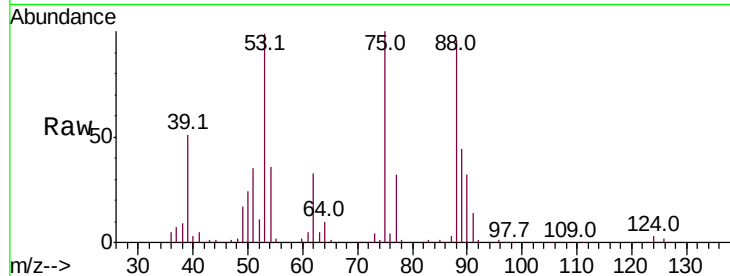
53 100.0 79.0 118.6

89 43.6 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.914 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009622.D

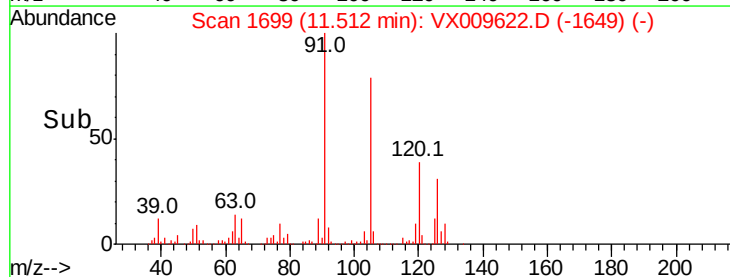
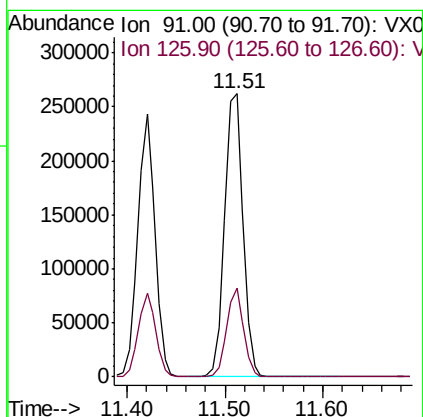
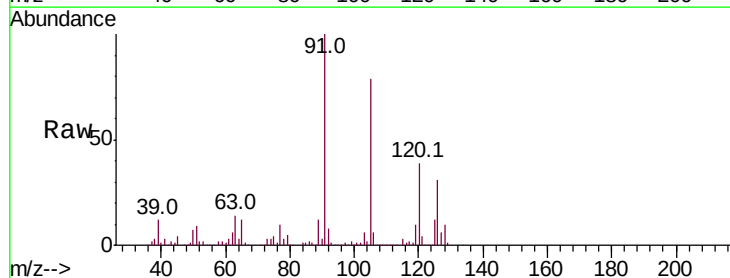
Acq: 16 May 2019 21:02

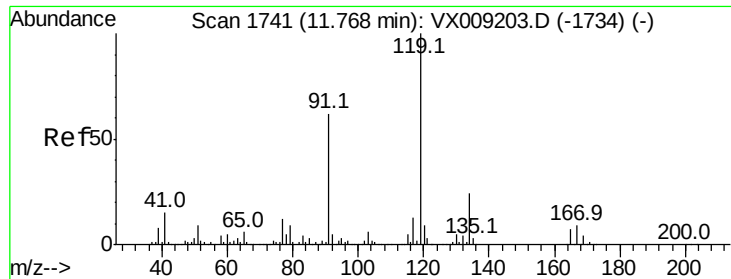
Tgt Ion: 91 Resp: 342523

Ion Ratio Lower Upper

91 100

126 28.8 14.5 43.6





#83

tert-Butylbenzene

Concen: 48.867 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009622.D

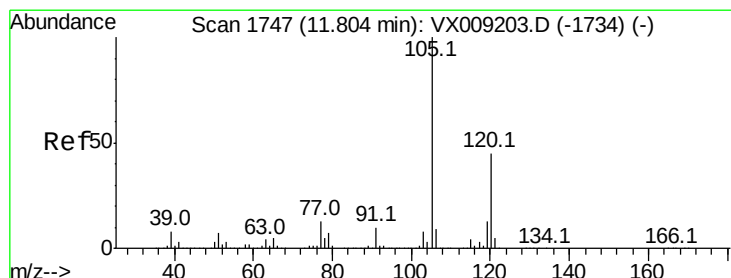
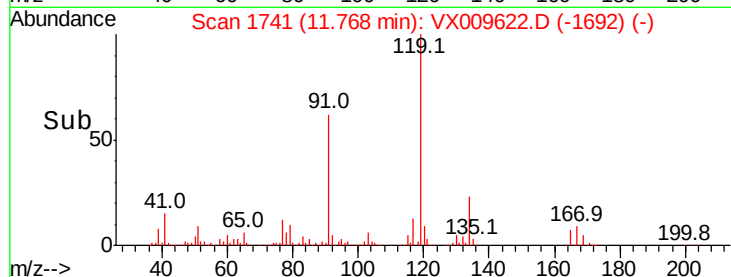
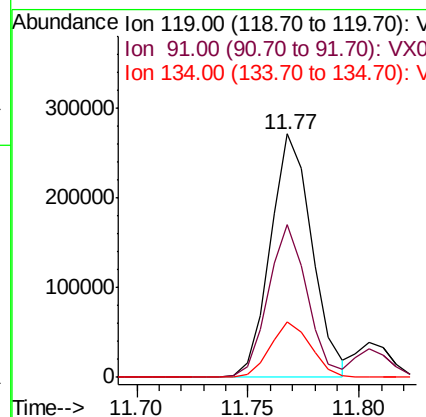
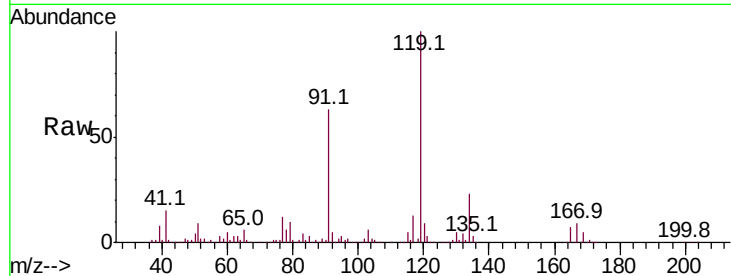
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352132		
91	59.0		29.5	88.5
134	22.2		11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 49.068 ug/l

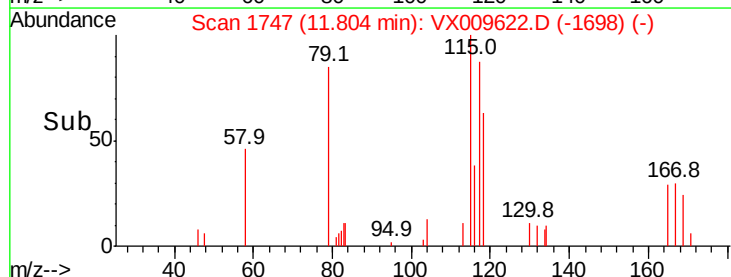
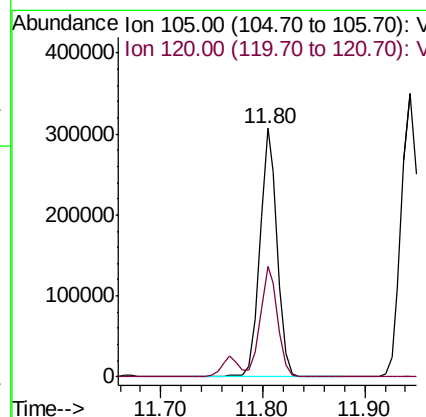
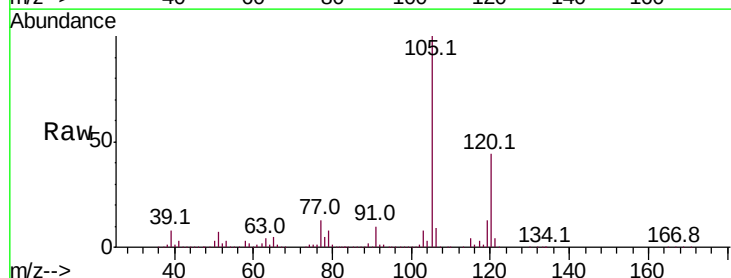
RT: 11.80 min Scan# 1747

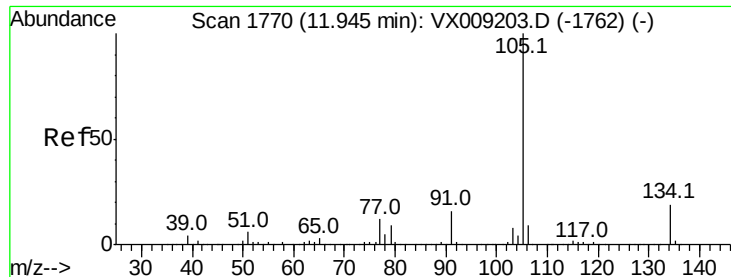
Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364827		
120	43.9		22.0	66.0





#85

sec-Butylbenzene

Concen: 48.737 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 416370

Ion Ratio Lower Upper

105 100

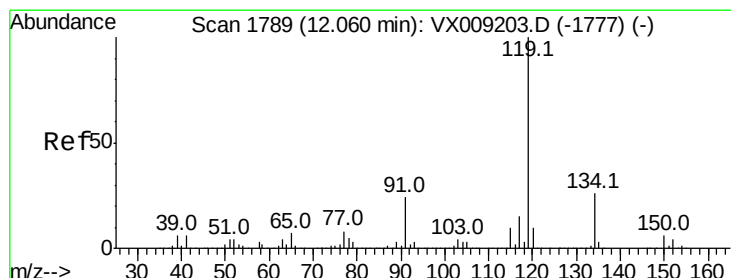
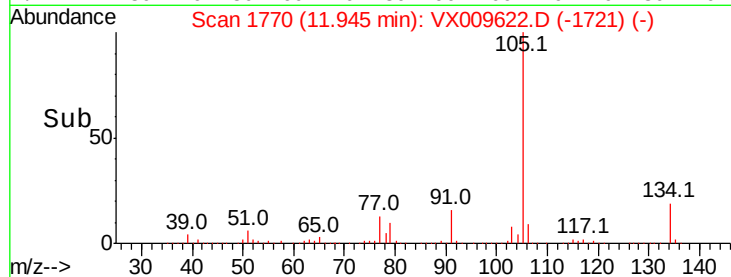
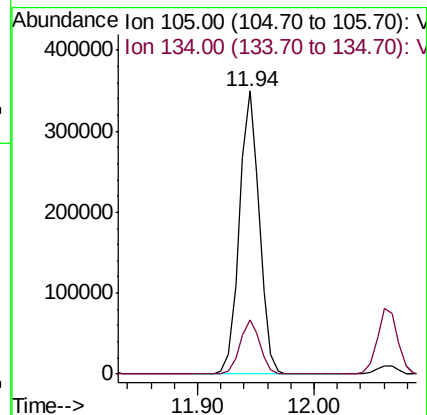
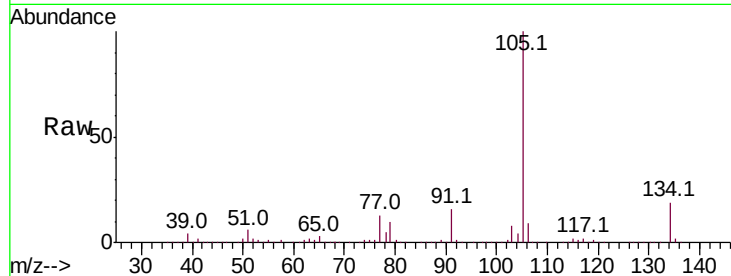
134 19.3 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.757 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009622.D

Acq: 16 May 2019 21:02

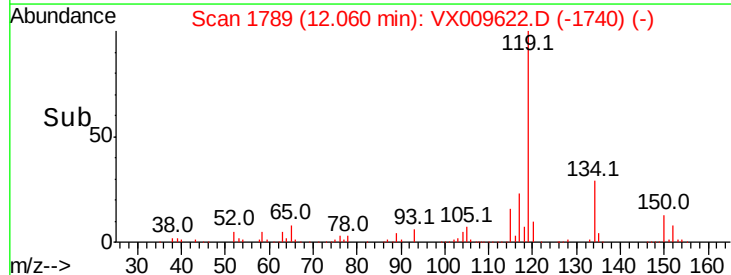
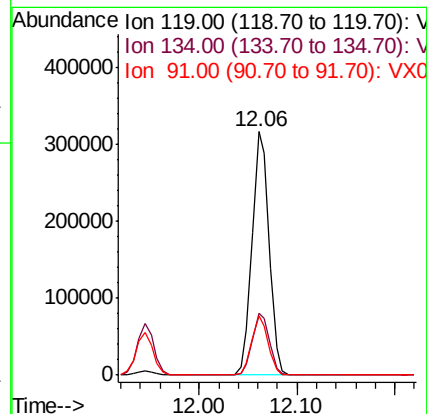
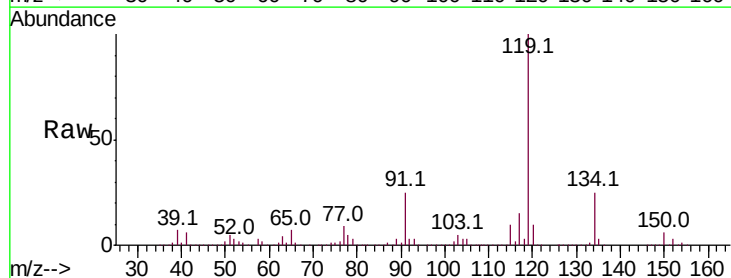
Tgt Ion:119 Resp: 382142

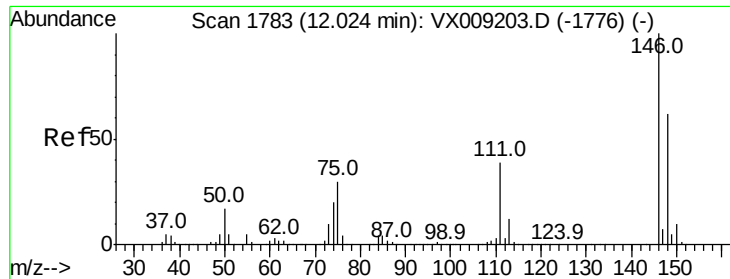
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.8 11.8 35.4





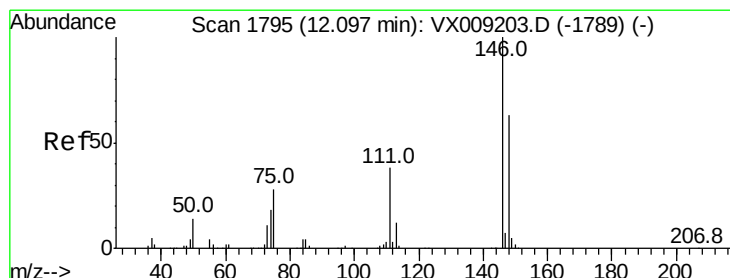
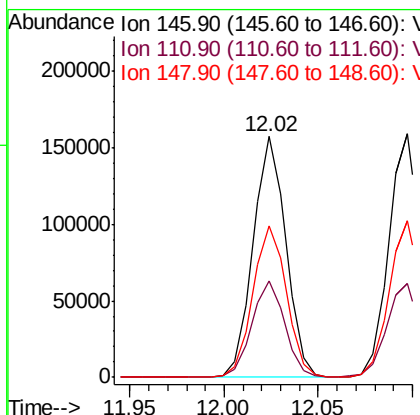
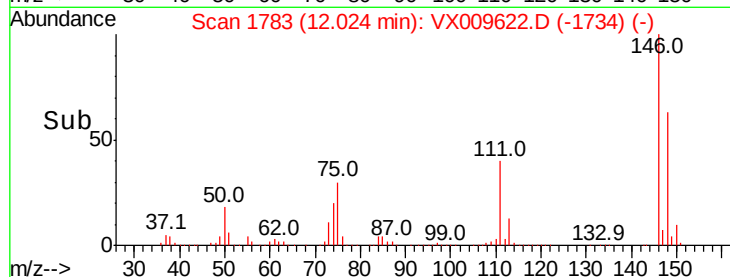
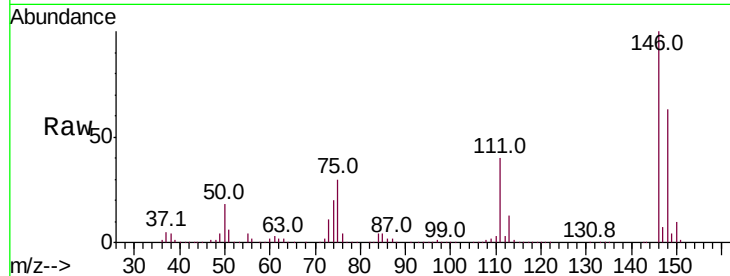
#87
 1,3-Dichlorobenzene
 Concen: 48.924 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.9	31.8	95.3

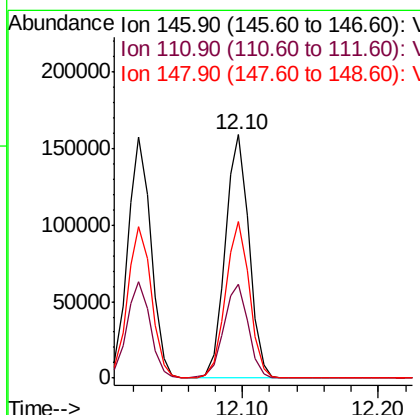
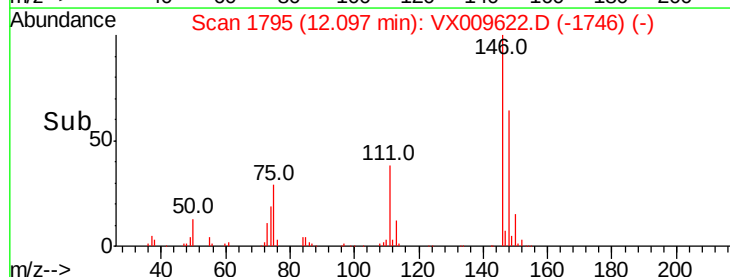
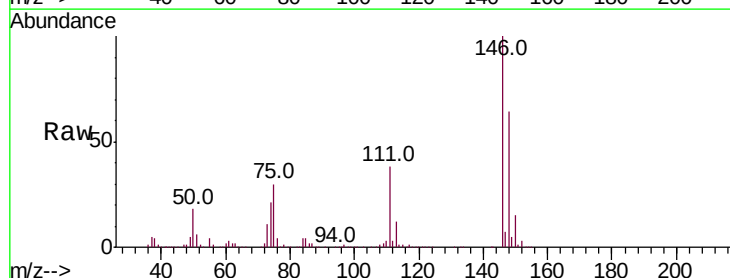
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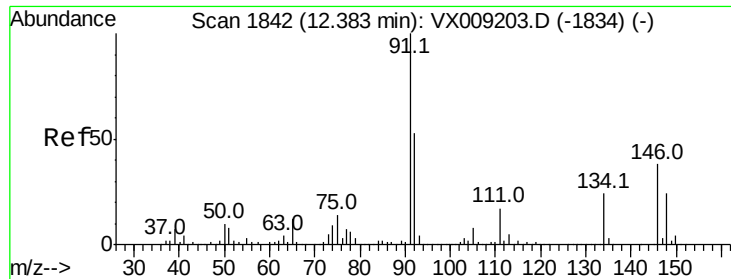
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#88
 1,4-Dichlorobenzene
 Concen: 49.034 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.2	31.8	95.3





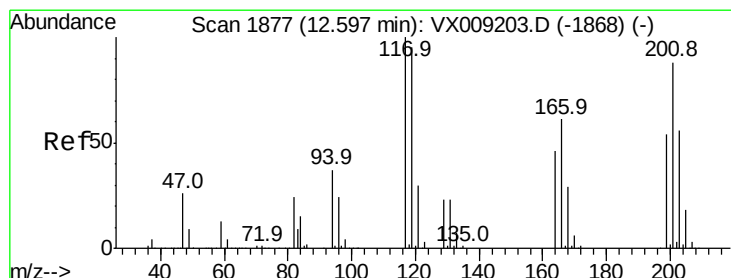
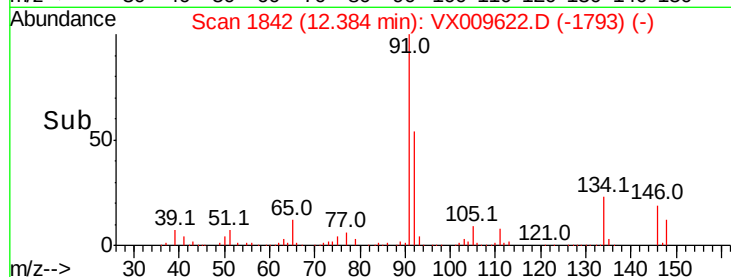
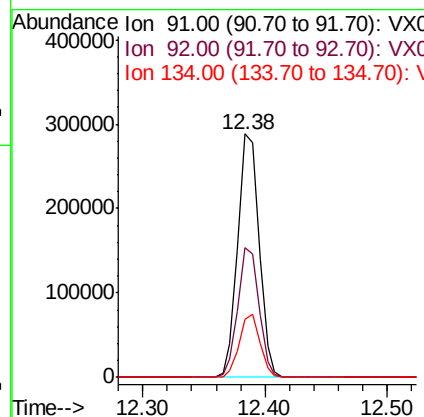
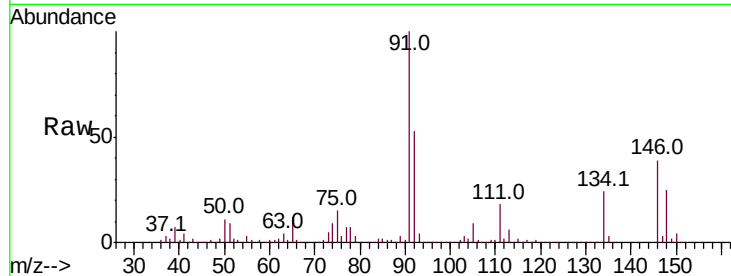
#89
n-Butylbenzene
Concen: 50.068 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	25.0	12.4	37.2

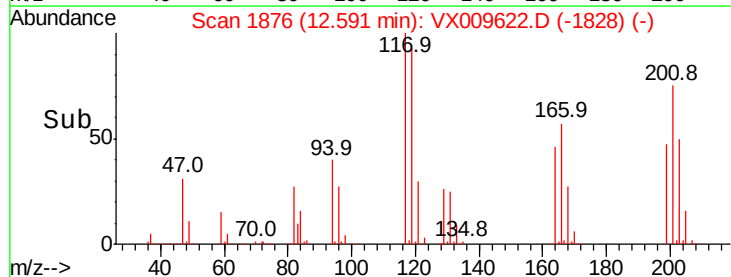
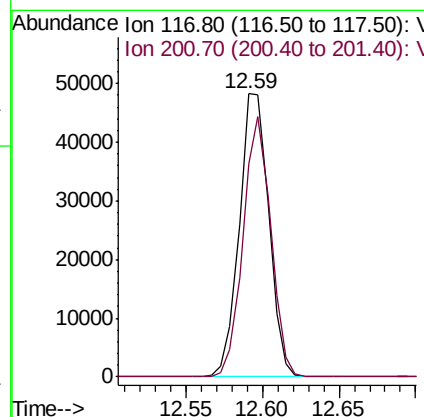
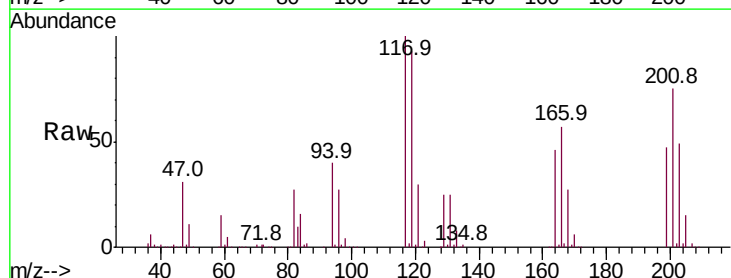
Manual Integrations
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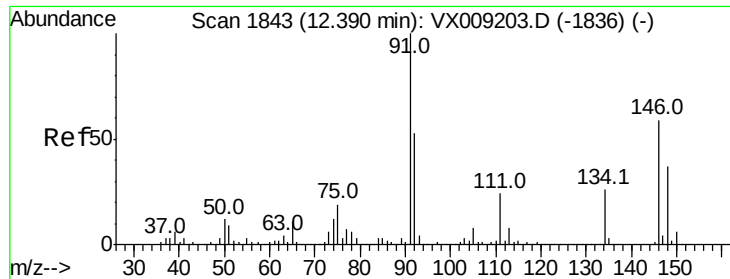
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#90
Hexachloroethane
Concen: 49.420 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.3	126.9





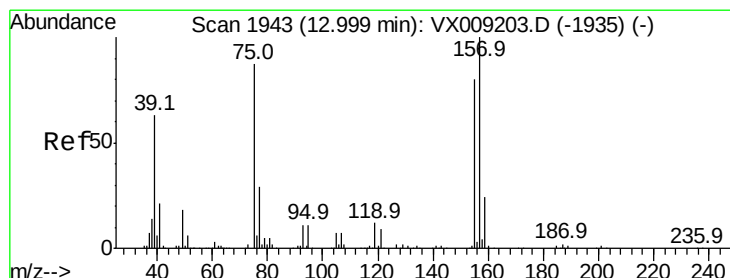
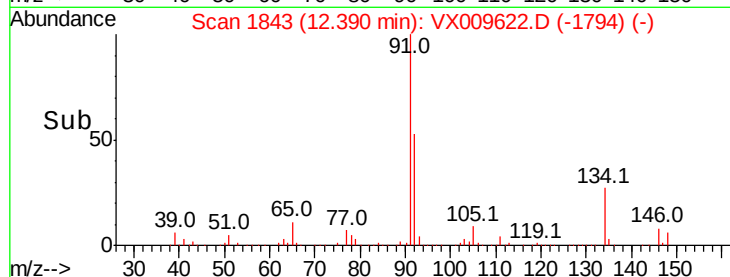
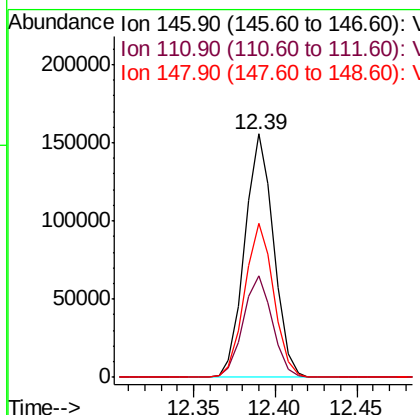
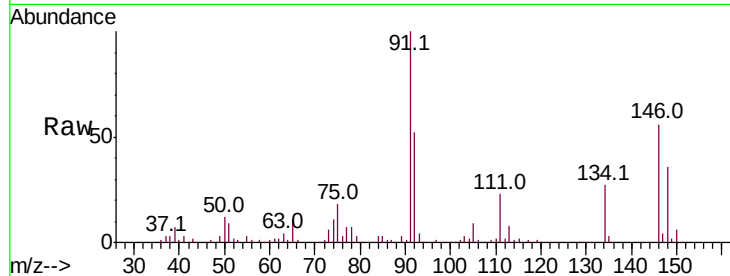
#91
 1,2-Dichlorobenzene
 Concen: 48.636 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192831		
111	41.8	20.8	62.4	
148	63.5	31.9	95.9	

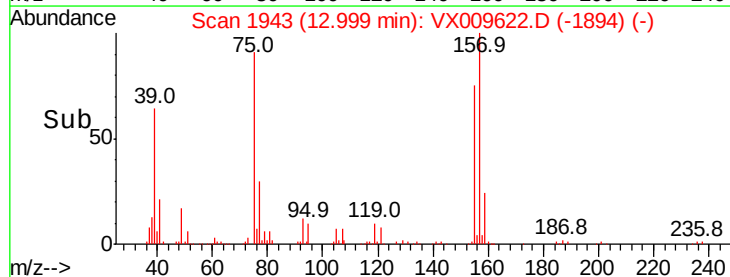
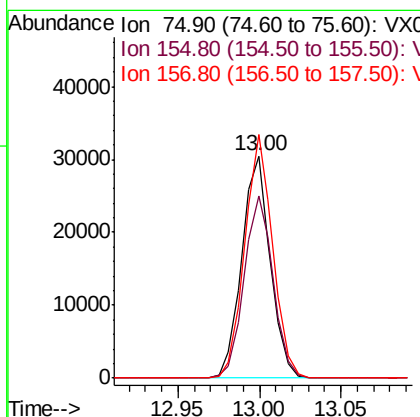
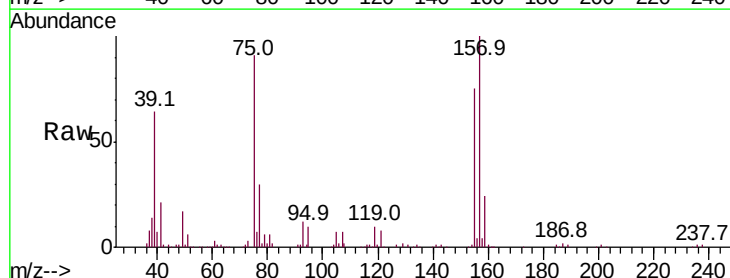
Manual Integrations
 APPROVED

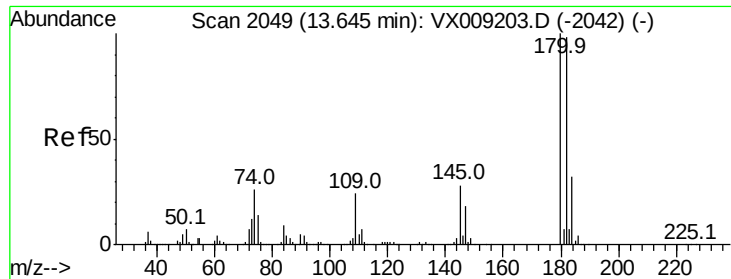
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.359 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37049		
155	83.2	42.0	126.0	
157	107.2	53.2	159.6	





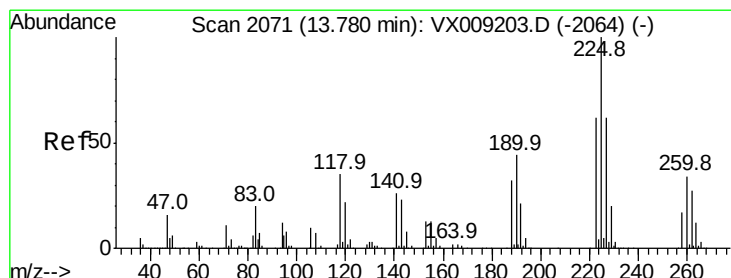
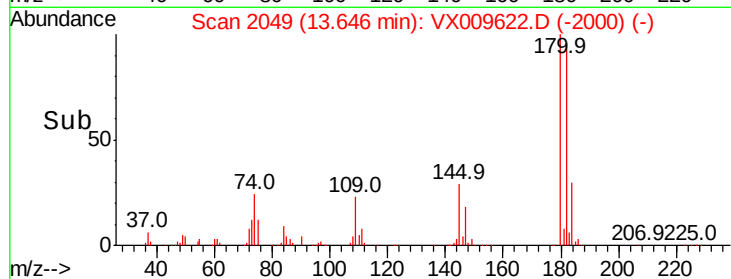
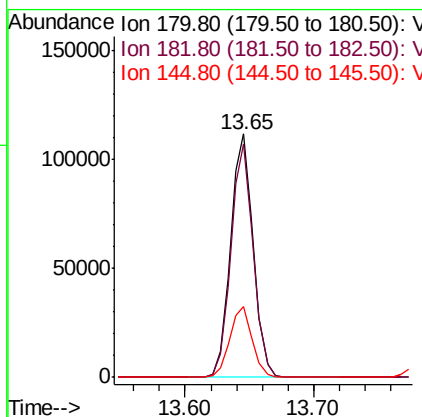
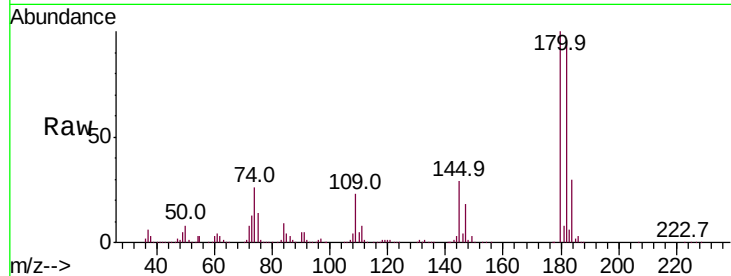
#93
 1,2,4-Trichlorobenzene
 Concen: 50.547 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137044		
182	94.8	48.4	145.2	
145	28.9	14.6	43.8	

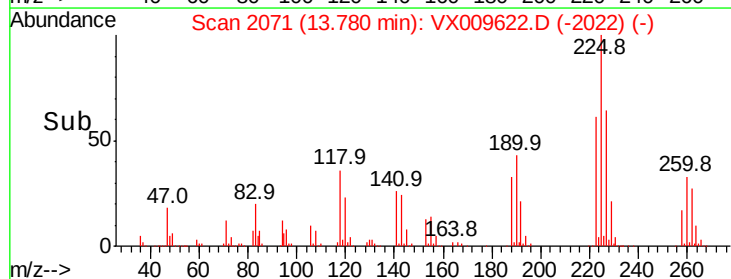
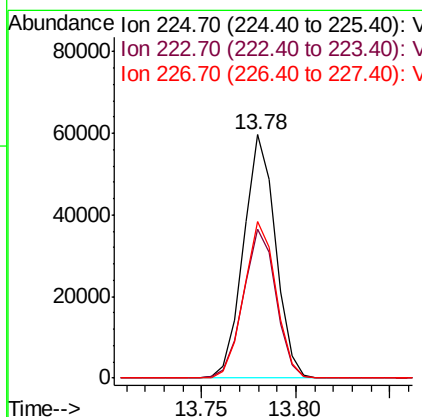
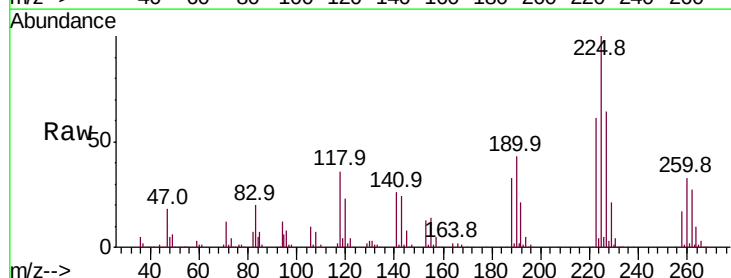
Manual Integrations
 APPROVED

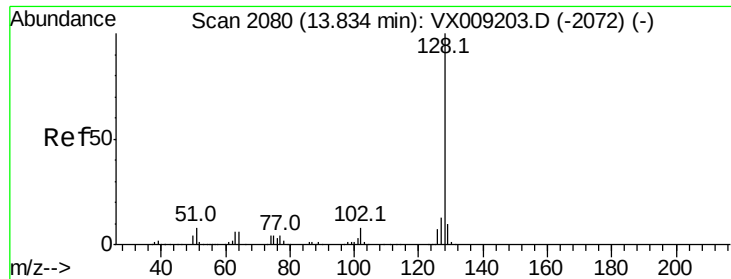
MMDadoda
 5/17/2019 1:09:34 PM



#94
 Hexachlorobutadiene
 Concen: 50.681 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009622.D
 Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70169		
223	62.3	31.3	93.8	
227	64.2	31.8	95.3	





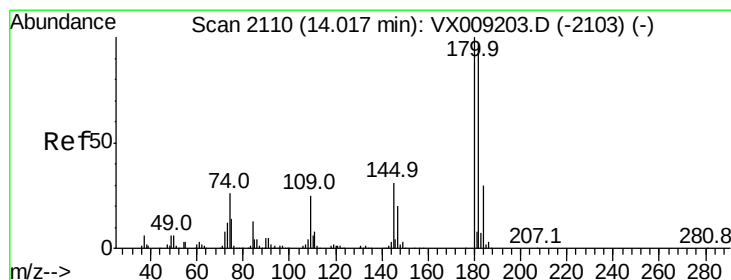
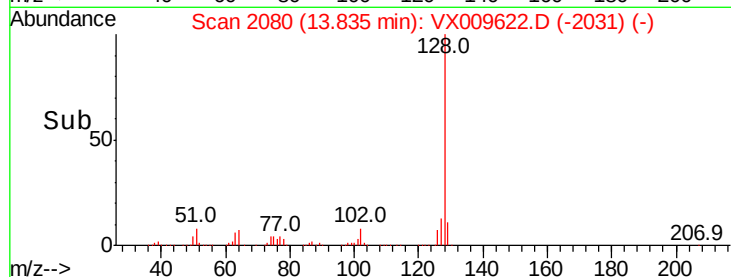
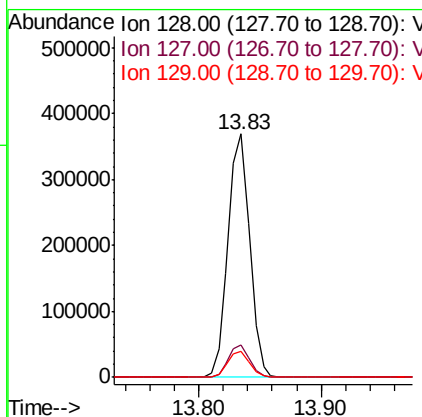
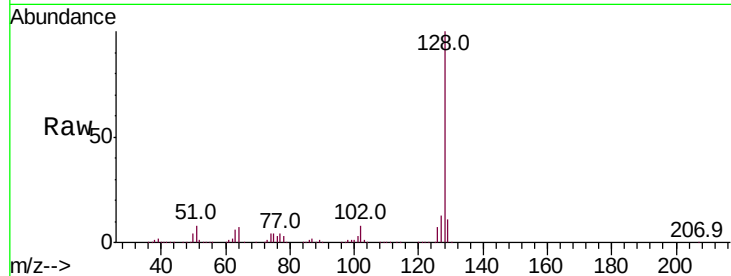
#95
Naphthalene
Concen: 51.233 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	451917		
127	13.1		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/17/2019 1:09:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.206 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009622.D
Acq: 16 May 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137981		
182	96.3		47.8	143.4
145	30.7		15.4	46.4

