

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050719\
 Data File : VX009367.D
 Acq On : 07 May 2019 09:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:10:20 AM

Quant Time: May 08 02:27:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	179836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	124881	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	5.49	113	93685	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	8.71	98	382011	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	11.13	95	141032	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	73825	44.548	ug/l	100
3) Chloromethane	1.32	50	97990	43.310	ug/l	100
4) Vinyl Chloride	1.41	62	97228	44.069	ug/l	98
5) Bromomethane	1.64	94	57322	43.287	ug/l	98
6) Chloroethane	1.71	64	60927	43.013	ug/l	100
7) Trichlorofluoromethane	1.92	101	122346	45.621	ug/l	100
8) Diethyl Ether	2.19	74	55863	43.975	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78160	46.411	ug/l	98
10) Methyl Iodide	2.51	142	78403	40.981	ug/l	99
11) Tert butyl alcohol	3.05	59	122916	216.300	ug/l	98
12) 1,1-Dichloroethene	2.37	96	75207	44.570	ug/l	96
13) Acrolein	2.29	56	106904	207.726	ug/l	99
14) Allyl chloride	2.73	41	179002	43.530	ug/l	100
15) Acrylonitrile	3.14	53	305163	219.628	ug/l	100
16) Acetone	2.44	43	318350	241.499	ug/l	97
17) Carbon Disulfide	2.57	76	195599	41.288	ug/l	100
18) Methyl Acetate	2.77	43	137202	43.765	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	297167	45.352	ug/l	100
20) Methylene Chloride	2.85	84	93120	43.628	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	80941	44.231	ug/l	98
22) Diisopropyl ether	3.85	45	359876	45.507	ug/l	95
23) Vinyl Acetate	3.81	43	1566341	231.302	ug/l	100
24) 1,1-Dichloroethane	3.70	63	175025	44.865	ug/l	100
25) 2-Butanone	4.67	43	480762	234.692	ug/l	99
26) 2,2-Dichloropropane	4.57	77	133494	45.972	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	98252	44.982	ug/l	98
28) Bromochloromethane	5.01	49	72555	45.981	ug/l	100
29) Tetrahydrofuran	5.12	42	293283	222.489	ug/l	99
30) Chloroform	5.21	83	161290	45.712	ug/l	98
31) Cyclohexane	5.57	56	164073	45.205	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	133439	45.430	ug/l	99
36) 1,1-Dichloropropene	5.79	75	120568	46.324	ug/l	100
37) Ethyl Acetate	4.83	43	167157	46.095	ug/l	100
38) Carbon Tetrachloride	5.78	117	111758	47.260	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152055	47.571	ug/l	100
40) Benzene	6.14	78	372091	46.194	ug/l	100
41) Methacrylonitrile	5.04	41	97164	45.011	ug/l	99
42) 1,2-Dichloroethane	6.19	62	135266	46.814	ug/l	99
43) Isopropyl Acetate	6.44	43	269033	46.381	ug/l	100
44) Trichloroethene	7.21	130	90390	46.418	ug/l	97
45) 1,2-Dichloropropane	7.51	63	107323	47.054	ug/l	98
46) Dibromomethane	7.66	93	60738	45.858	ug/l	99
47) Bromodichloromethane	7.89	83	126337	47.818	ug/l	97
48) Methyl methacrylate	7.76	41	135816	47.195	ug/l	99
49) 1,4-Dioxane	7.74	88	53320	913.622	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	906816	239.180	ug/l	100
52) Toluene	8.78	92	230085	46.991	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	144735	48.522	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	159218	48.225	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	94030	47.072	ug/l	95
56) Ethyl methacrylate	9.18	69	169791	47.617	ug/l	99
57) 1,3-Dichloropropane	9.37	76	163965	46.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	456023	241.072	ug/l	99
59) 2-Hexanone	9.49	43	728429	244.630	ug/l	99
60) Dibromochloromethane	9.58	129	94314	48.341	ug/l	98
61) 1,2-Dibromoethane	9.67	107	94574	46.902	ug/l	100
64) Tetrachloroethene	9.34	164	83599	48.711	ug/l	97
65) Chlorobenzene	10.13	112	241365	48.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	88753	48.912	ug/l	99
67) Ethyl Benzene	10.25	91	444657	48.273	ug/l	99
68) m/p-Xylenes	10.35	106	327539	97.306	ug/l	97
69) o-Xylene	10.69	106	160203	48.237	ug/l	100
70) Styrene	10.71	104	285410	49.444	ug/l	99
71) Bromoform	10.85	173	73661	49.954	ug/l #	99
73) Isopropylbenzene	11.02	105	435473	46.243	ug/l	99
74) N-amyl acetate	10.90	43	254012	46.266	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	159268	45.368	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140039m	46.619	ug/l	
77) Bromobenzene	11.26	156	107579	46.026	ug/l	99
78) n-propylbenzene	11.36	91	508687	47.299	ug/l	99
79) 2-Chlorotoluene	11.42	91	301787	45.483	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	371429	46.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54431	46.362	ug/l	97
82) 4-Chlorotoluene	11.51	91	350420	46.749	ug/l	99
83) tert-Butylbenzene	11.77	119	362152	46.950	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	375425	47.170	ug/l	99
85) sec-Butylbenzene	11.94	105	433605	47.415	ug/l	100
86) p-Isopropyltoluene	12.06	119	399045	48.538	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	196672	47.200	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	199273	47.436	ug/l	99
89) n-Butylbenzene	12.38	91	371478	49.993	ug/l	100
90) Hexachloroethane	12.59	117	67200	47.979	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	197204	46.466	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35052	44.509	ug/l	99

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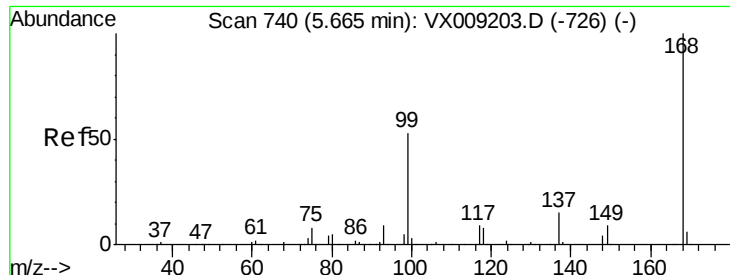
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	141464	48.743	ug/l	99
94) Hexachlorobutadiene	13.78	225	73611	49.668	ug/l	99
95) Naphthalene	13.83	128	444523	47.079	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141093	47.960	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 179836

Ion Ratio Lower Upper

168 100

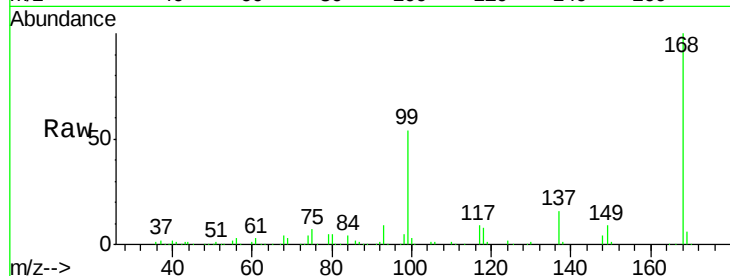
99 53.4 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

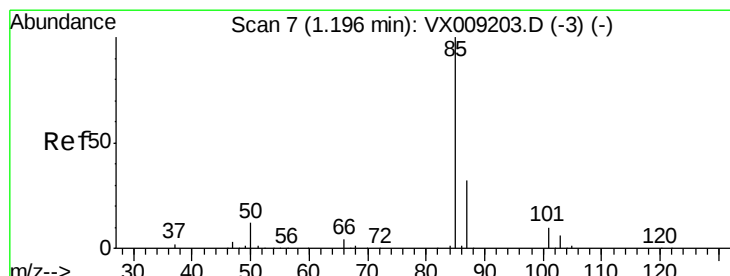
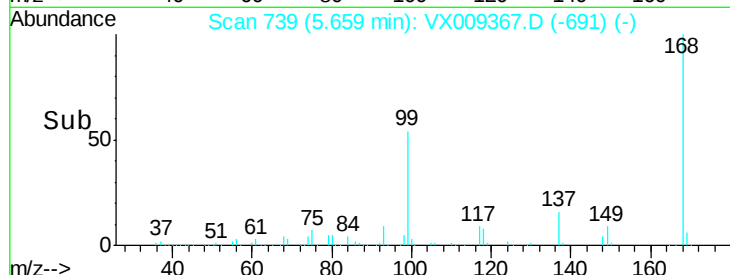
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.548 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009367.D

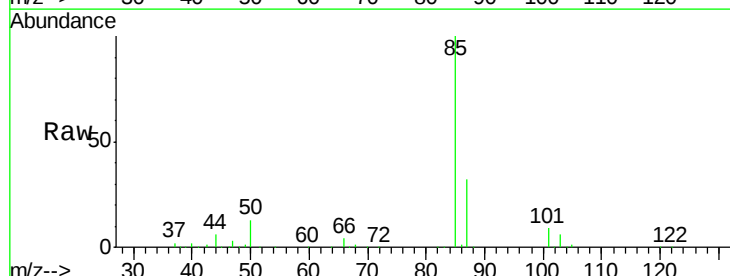
Acq: 07 May 2019 09:44

Tgt Ion: 85 Resp: 73825

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

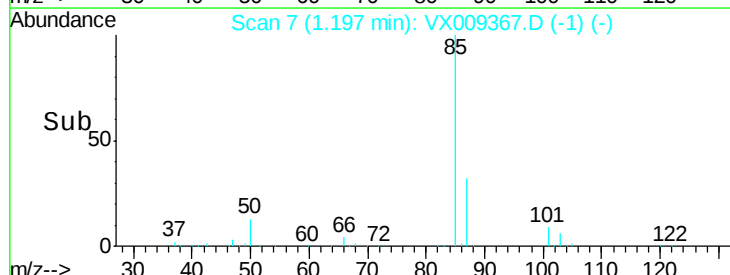
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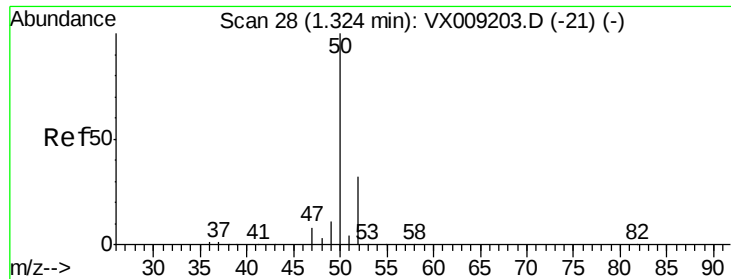
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.310 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 97990

Ion Ratio Lower Upper

50 100

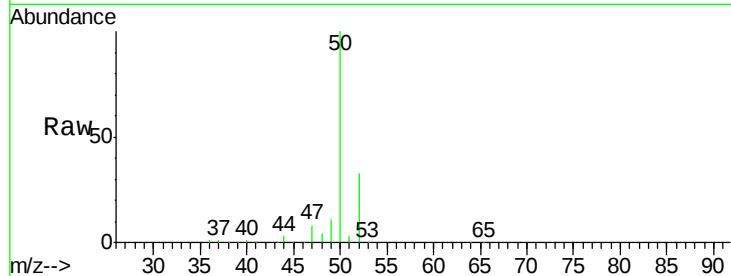
52 32.5 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

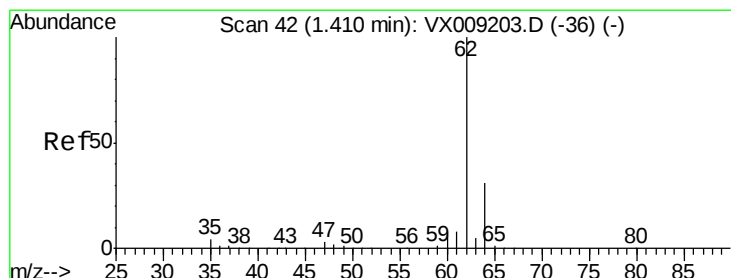
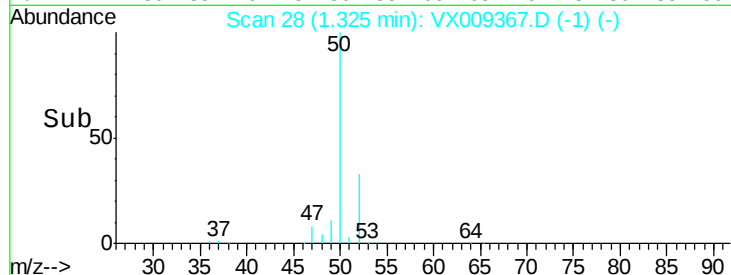
60000

40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 44.069 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009367.D

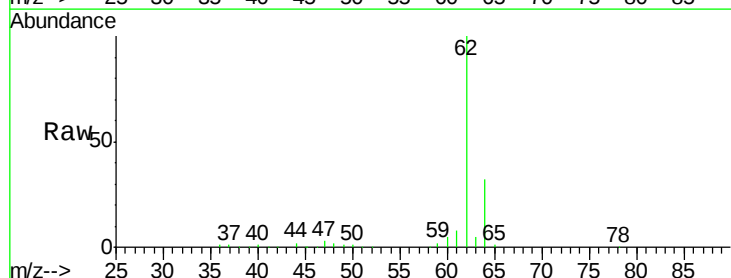
Acq: 07 May 2019 09:44

Tgt Ion: 62 Resp: 97228

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

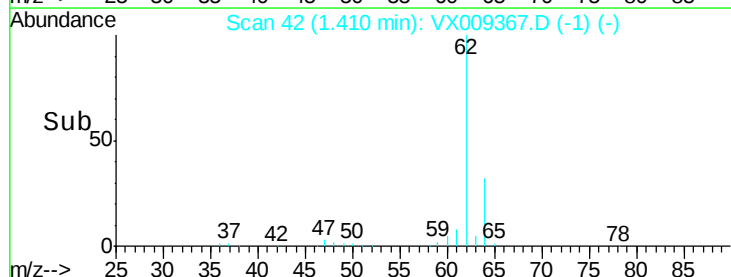
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.287 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57322

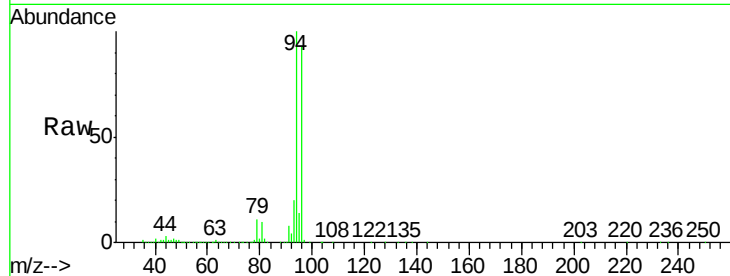
Ion Ratio Lower Upper

94 100

96 93.4 73.0 109.6

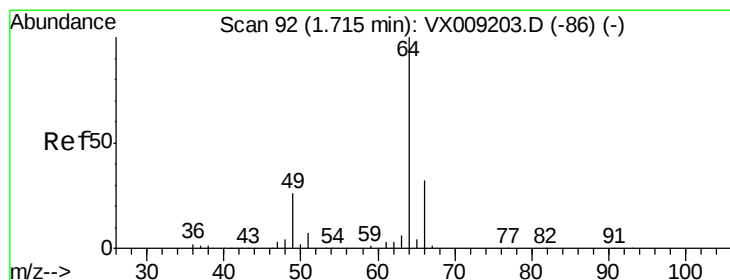
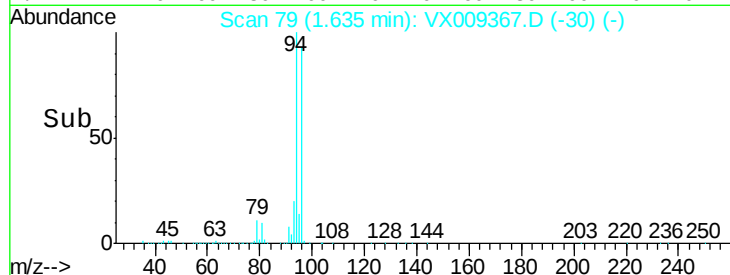
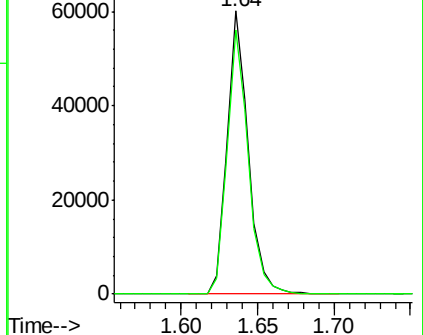
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.013 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009367.D

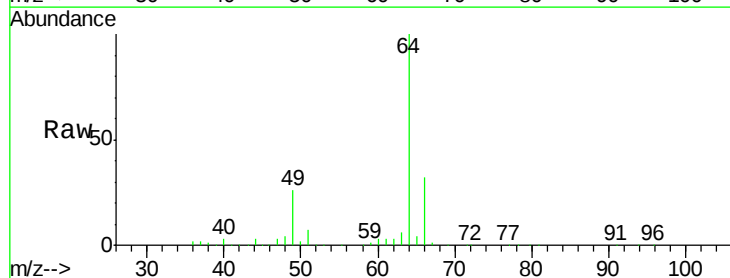
Acq: 07 May 2019 09:44

Tgt Ion: 64 Resp: 60927

Ion Ratio Lower Upper

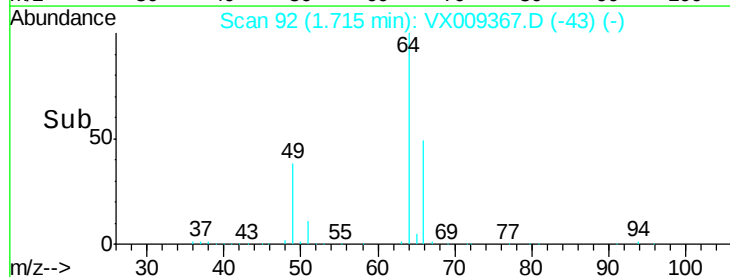
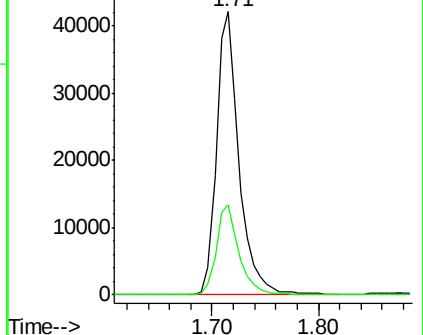
64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

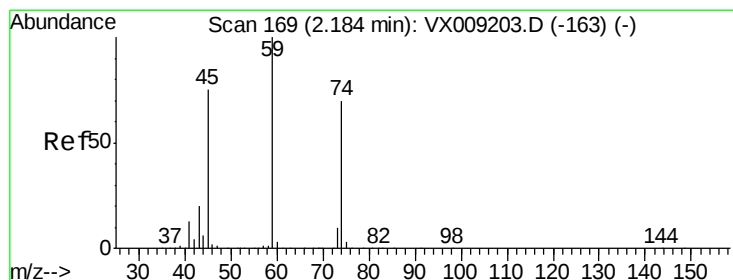
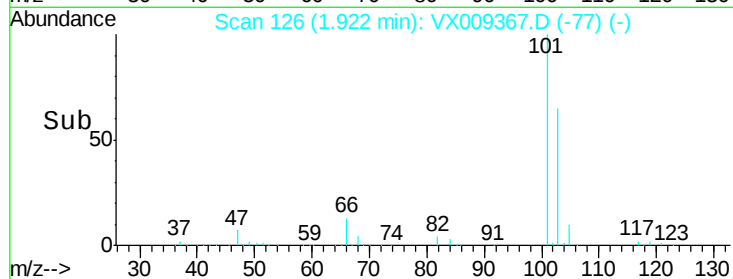
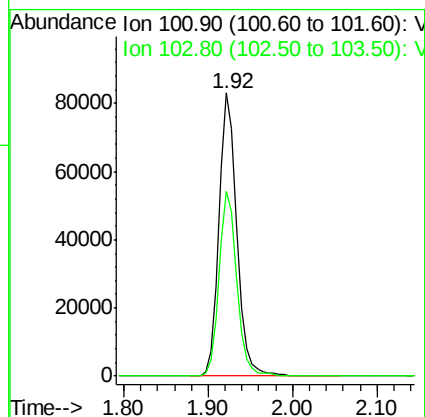
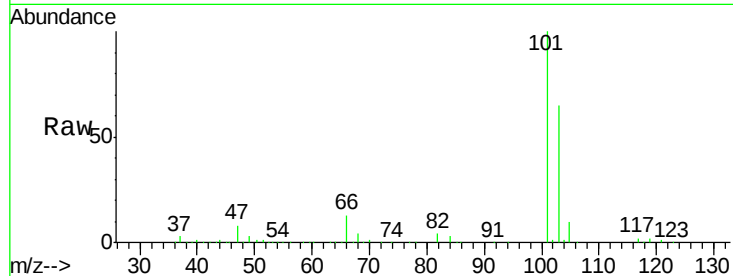
Trichlorofluoromethane
 Concen: 45.621 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	122346		
103	65.4	52.4	78.6	

Manual Integrations
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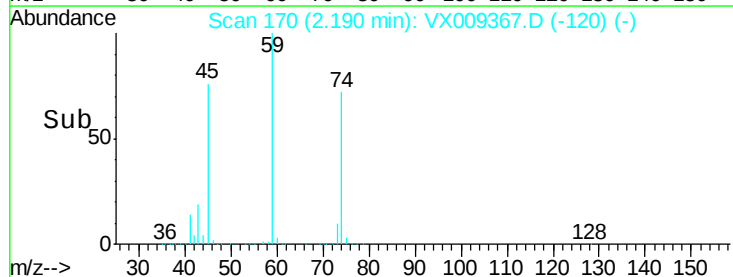
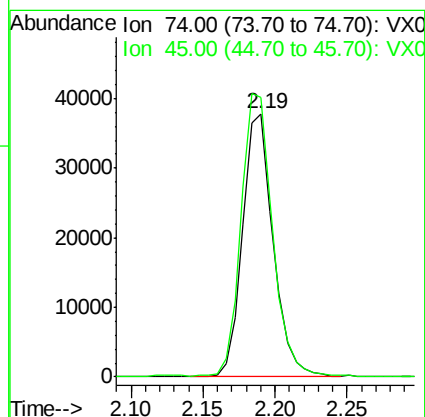
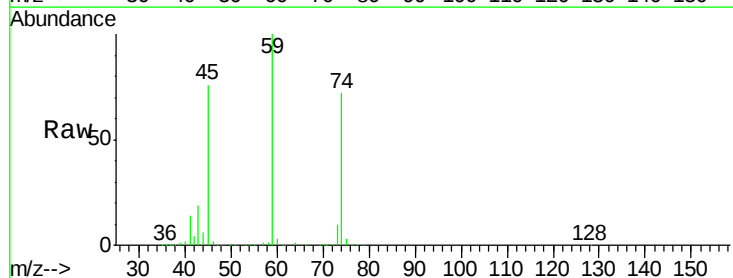
MMDadoda
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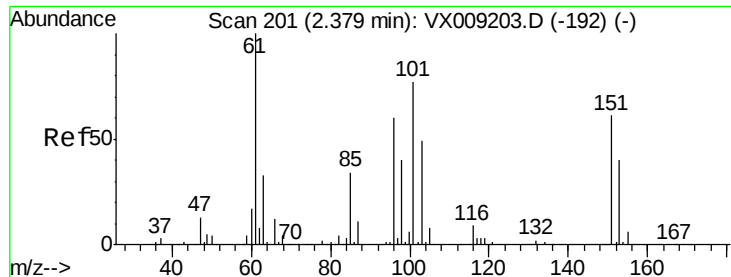


#8

Diethyl Ether
 Concen: 43.975 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55863		
45	110.4	53.3	159.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.411 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

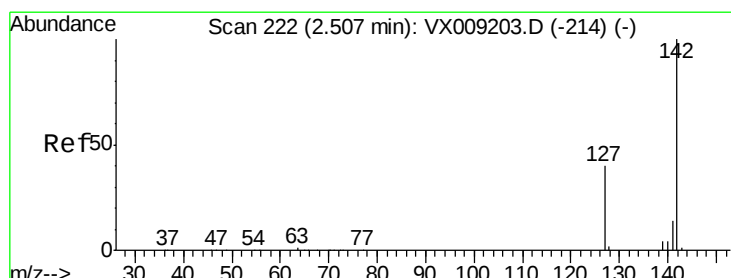
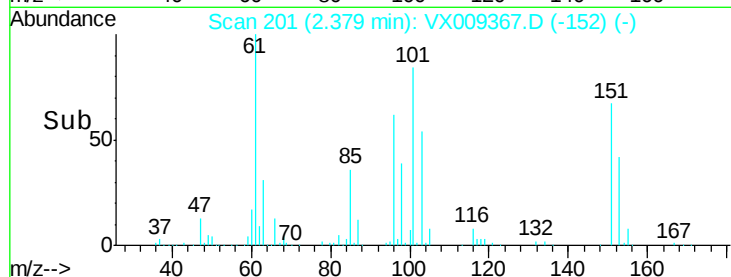
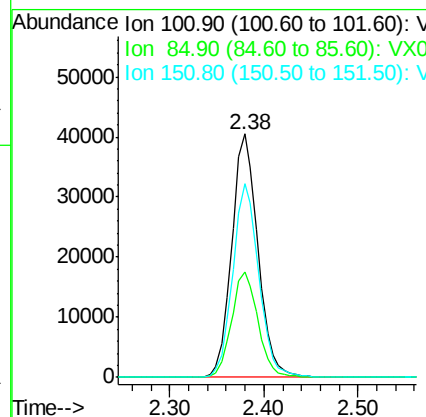
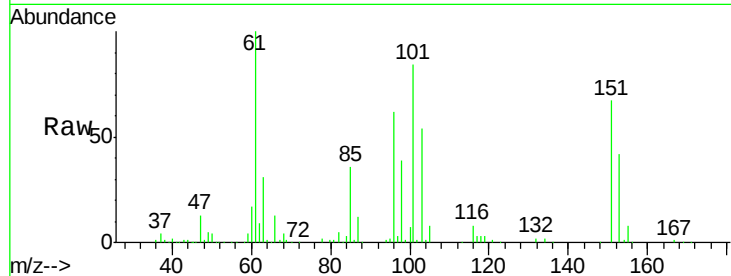
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	78160
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	79.1	62.2	93.2

Manual Integrations
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5/8/2019 10:10:20 AM



#10

Methyl Iodide

Concen: 40.981 ug/l

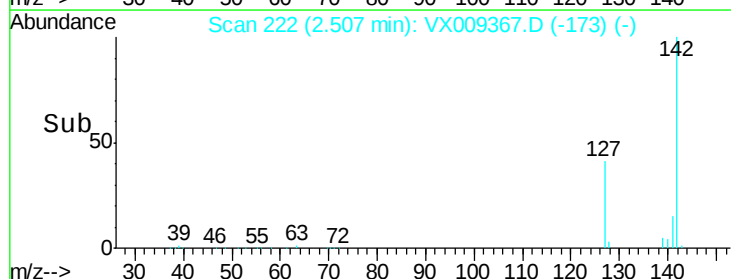
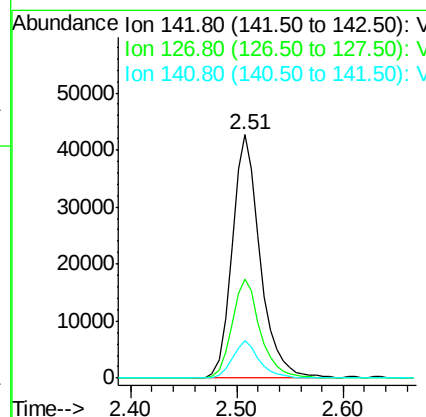
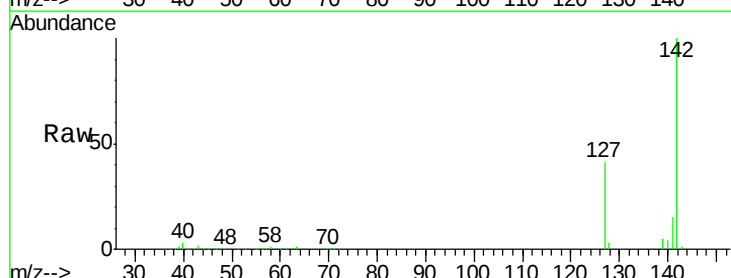
RT: 2.51 min Scan# 222

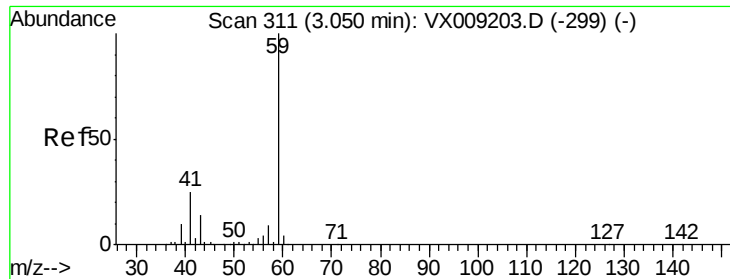
Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	142	Resp:	78403
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.7	49.1
141	14.7	11.5	17.3





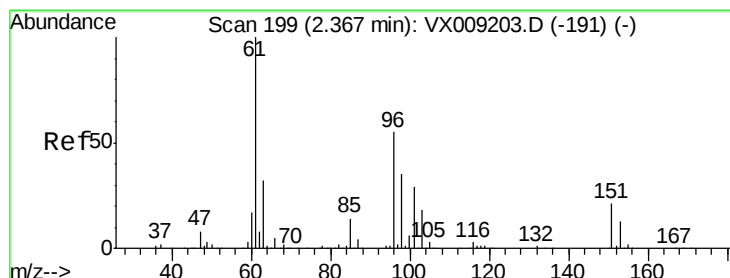
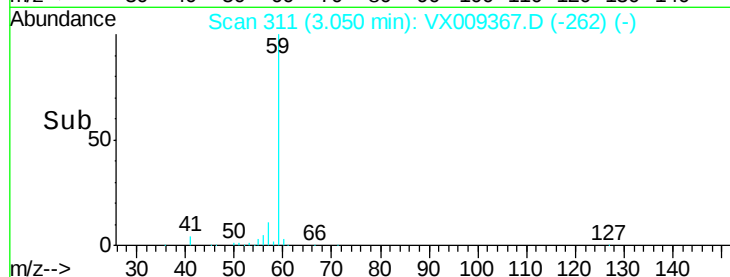
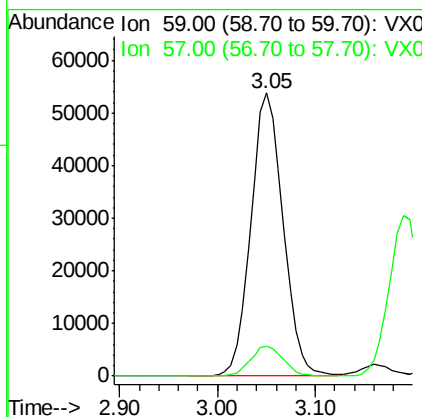
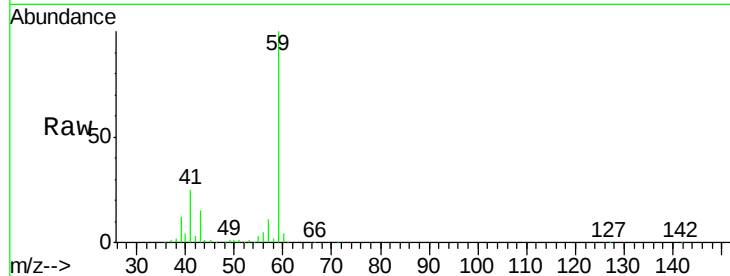
#11
Tert butyl alcohol
Concen: 216.300 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 122916
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

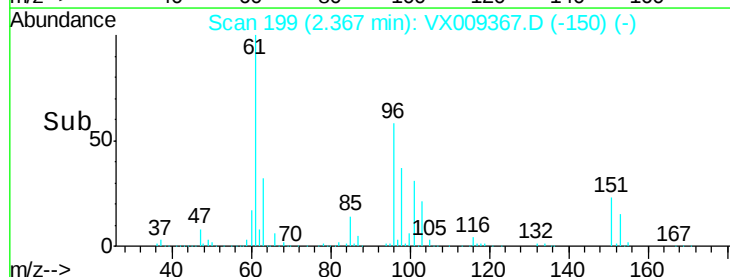
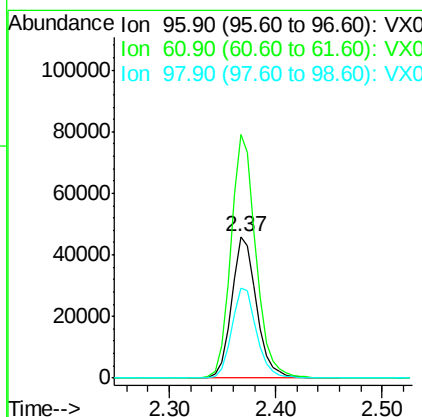
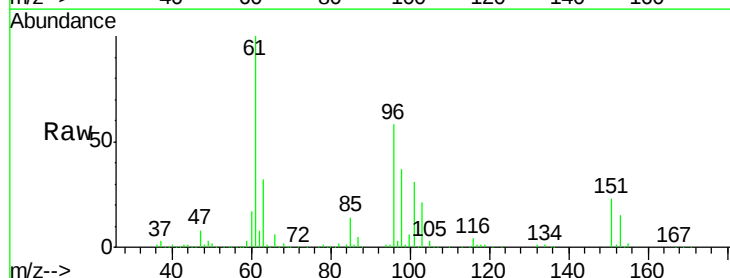
Manual Integrations
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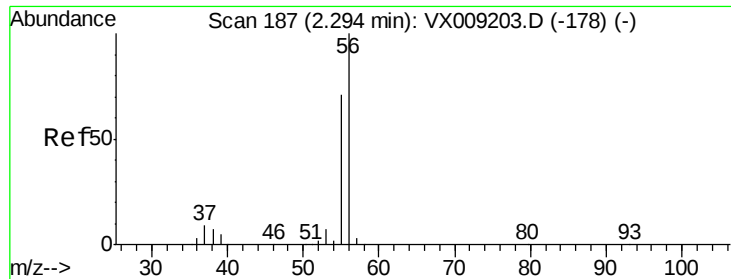
MMDadoda
5/8/2019 10:10:20 AM



#12
1,1-Dichloroethene
Concen: 44.570 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion: 96 Resp: 75207
Ion Ratio Lower Upper
96 100
61 172.1 144.3 216.5
98 63.3 50.3 75.5





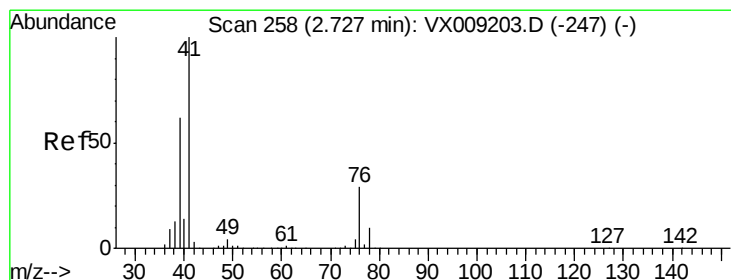
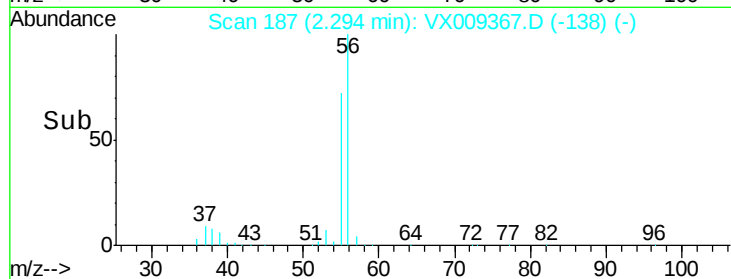
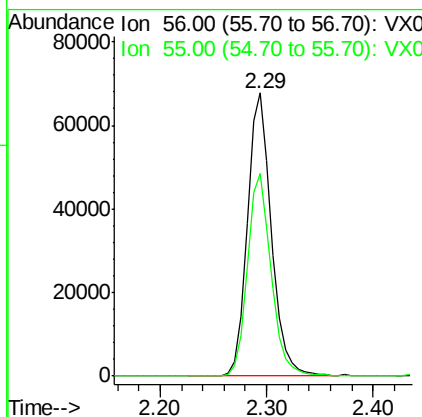
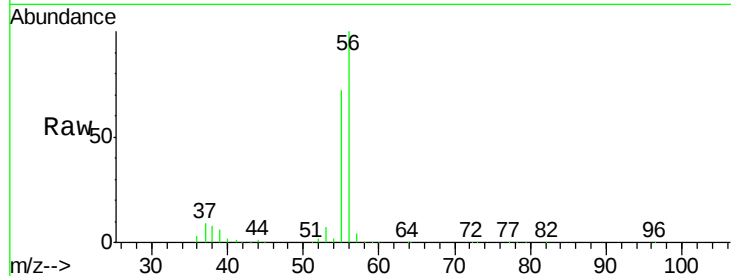
#13
 Acrolein
 Concen: 207.726 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		106904		
55	71.3		56.6	85.0	

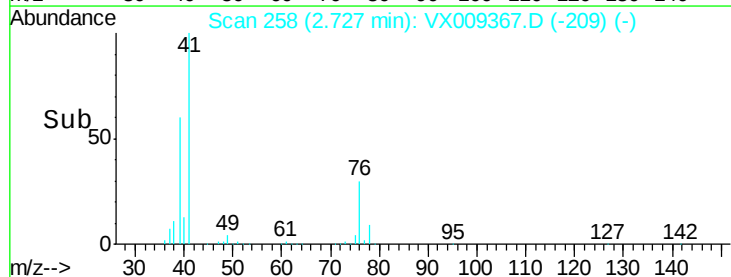
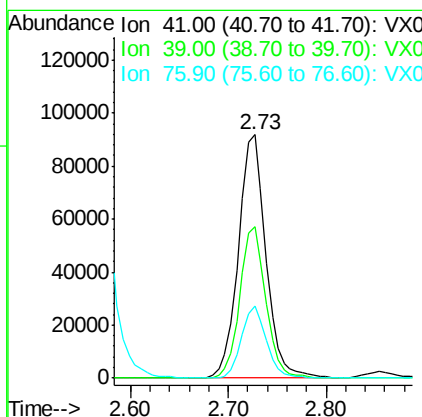
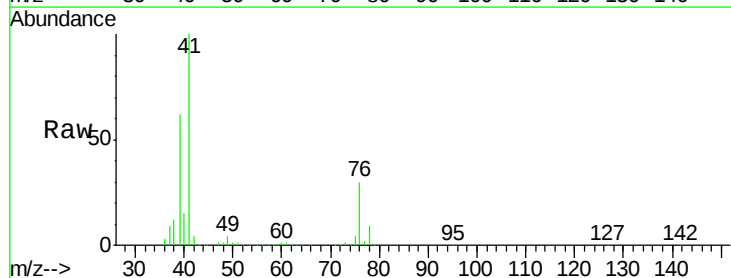
Manual Integrations
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 5/8/2019 10:10:20 AM



#14
 Allyl chloride
 Concen: 43.530 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		179002		
39	58.8		46.7	70.1	
76	27.3		21.8	32.8	





#15

Acrylonitrile

Concen: 219.628 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

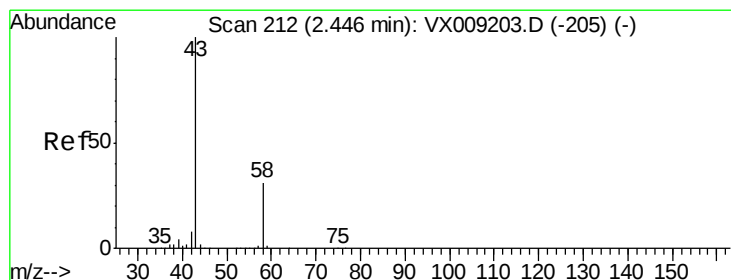
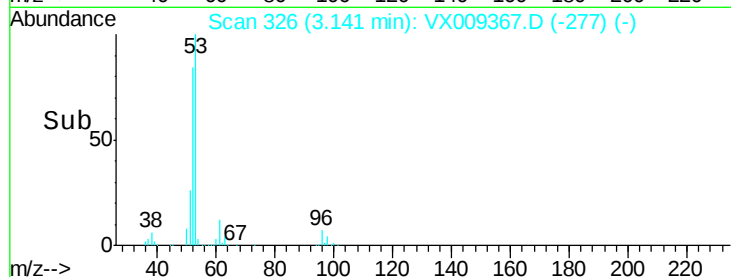
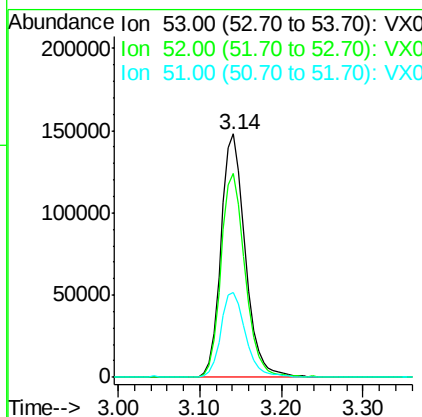
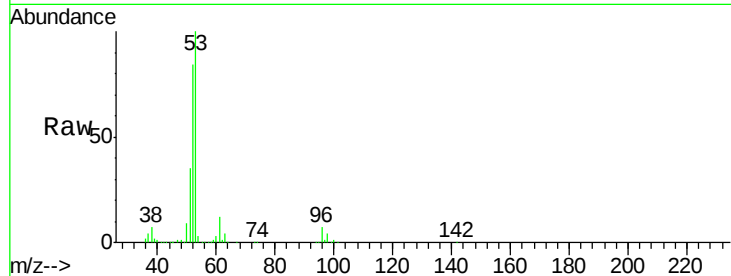
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	305163
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 241.499 ug/l

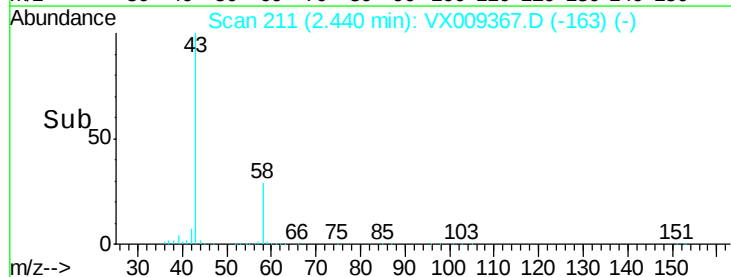
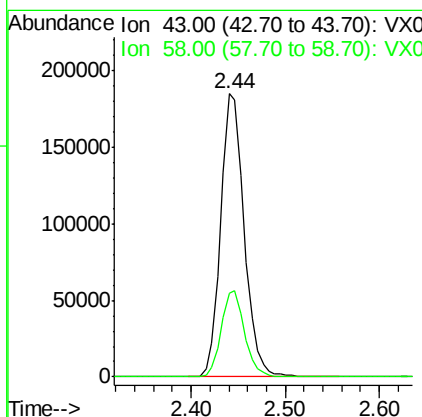
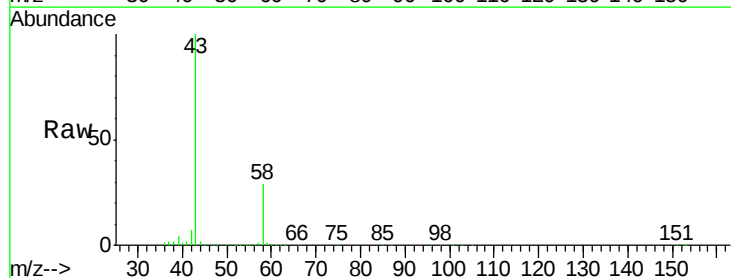
RT: 2.44 min Scan# 211

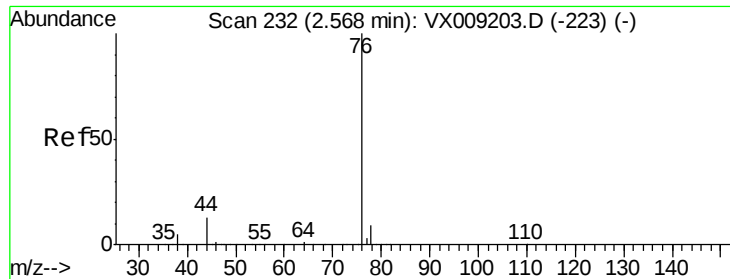
Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	43	Resp:	318350
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.9	37.3





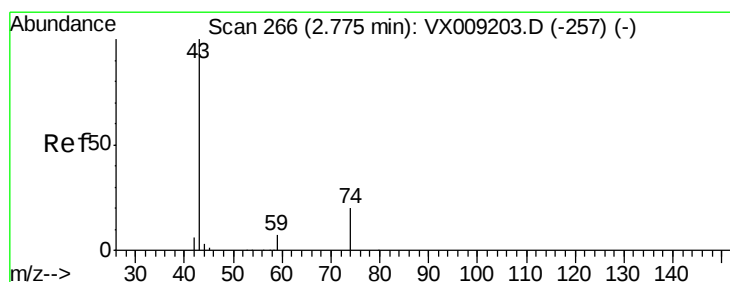
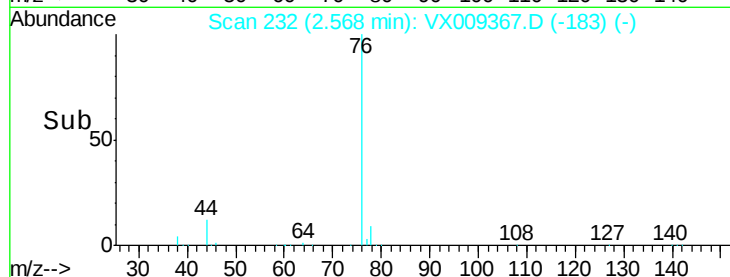
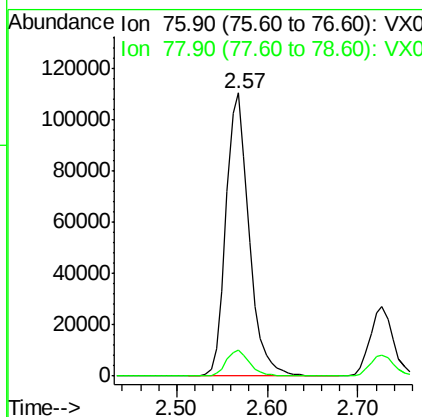
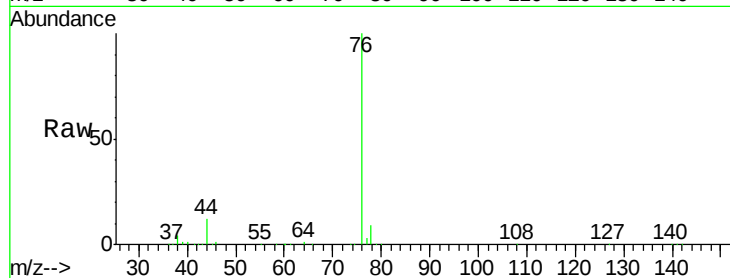
#17
Carbon Disulfide
Concen: 41.288 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

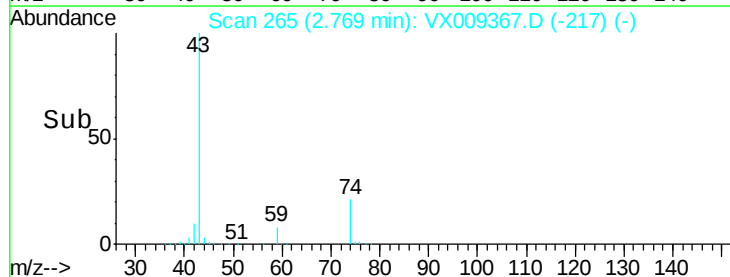
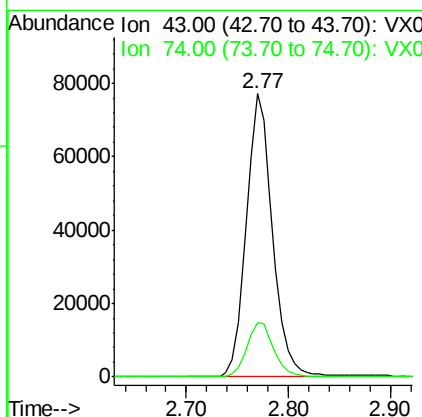
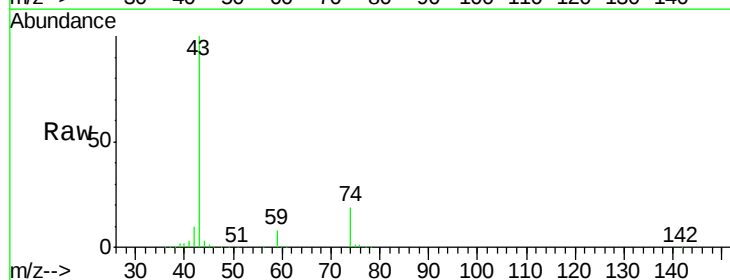
Manual Integrations
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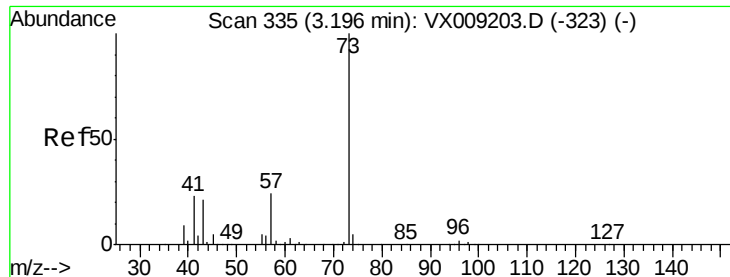
MMDadoda
5/8/2019 10:10:20 AM



#18
Methyl Acetate
Concen: 43.765 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.2	24.4





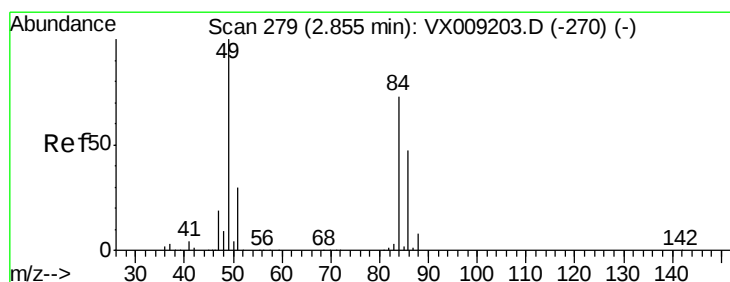
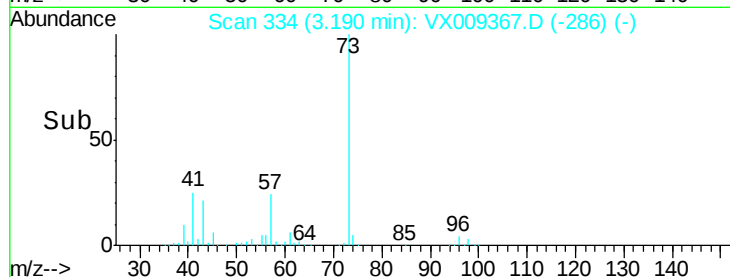
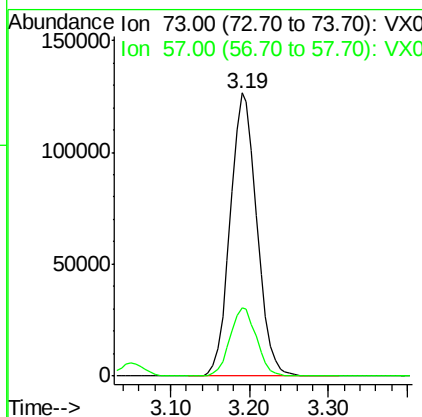
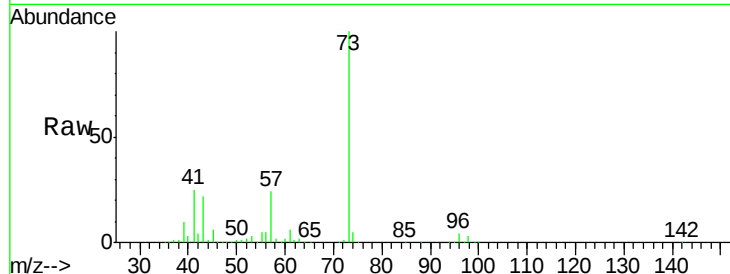
#19
Methvl tert-butvl Ether
Concen: 45.352 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

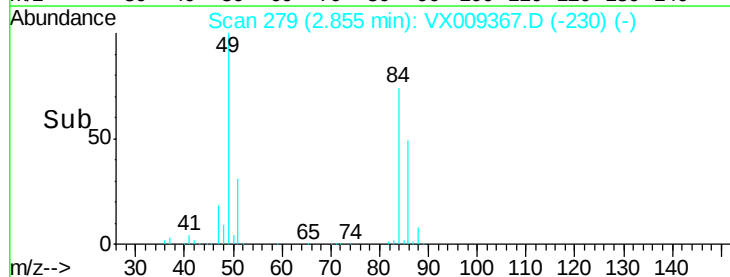
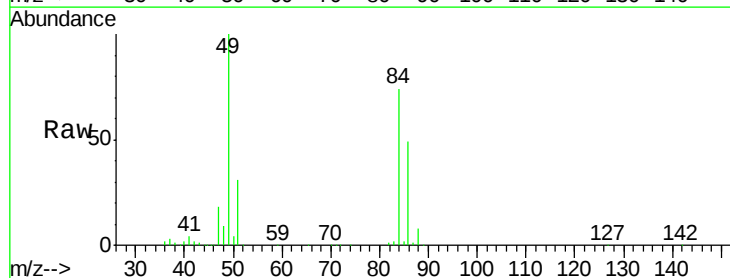
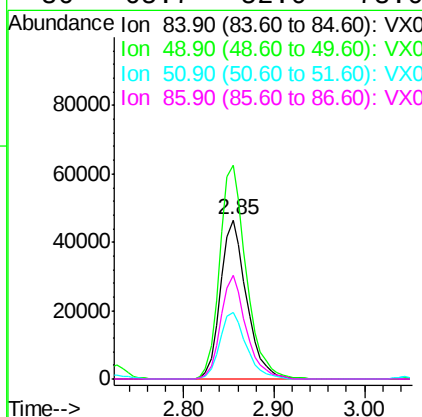
Manual Integrations
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MMDadoda
5/8/2019 10:10:20 AM



#20
Methylene Chloride
Concen: 43.628 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	109.9	164.9
51	42.1	32.7	49.1
86	65.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 44.231 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

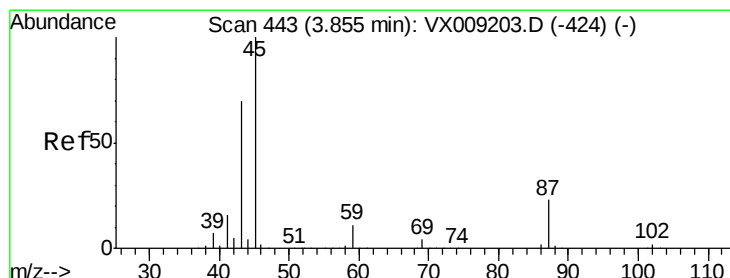
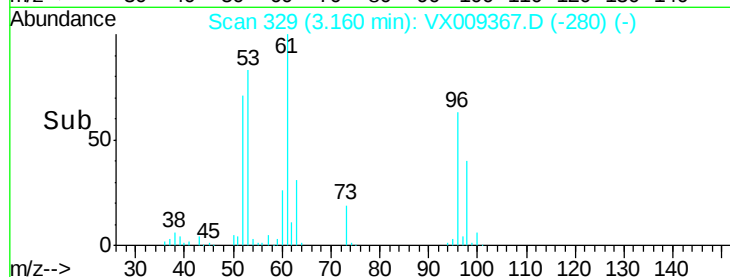
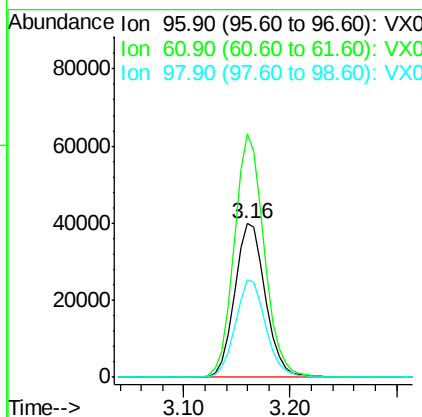
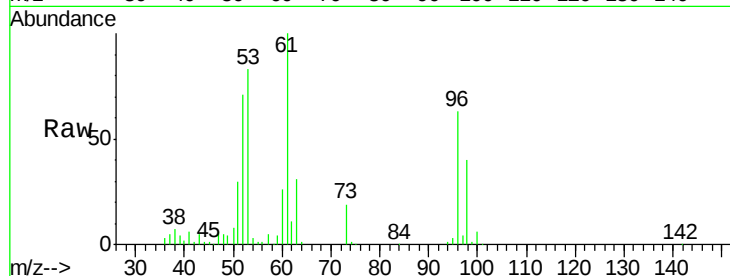
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	80941
Ion	Ratio	Lower	Upper
96	100		
61	158.3	124.5	186.7
98	63.9	50.4	75.6

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#22

Diisopropyl ether

Concen: 45.507 ug/l

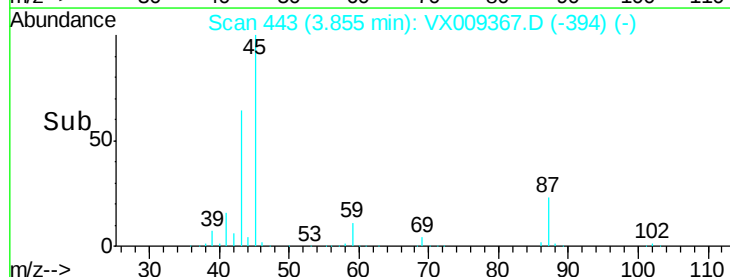
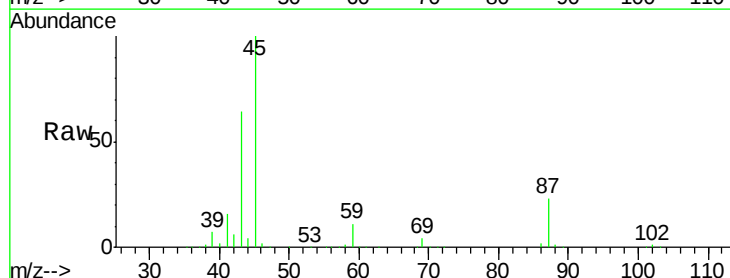
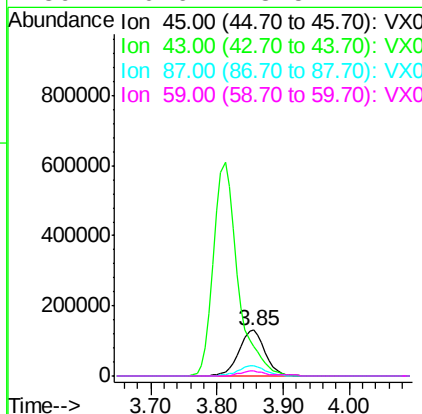
RT: 3.85 min Scan# 443

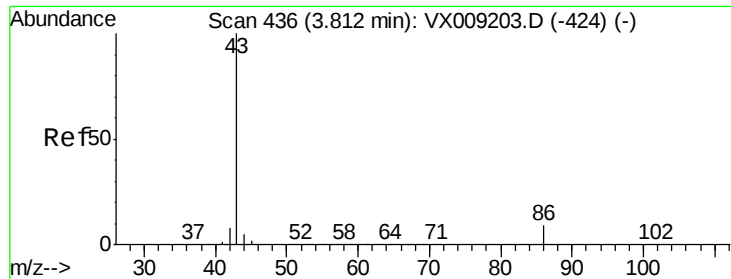
Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	45	Resp:	359876
Ion	Ratio	Lower	Upper
45	100		
43	63.9	56.1	84.1
87	22.7	18.1	27.1
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 231.302 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1566341

Ion Ratio Lower Upper

43 100

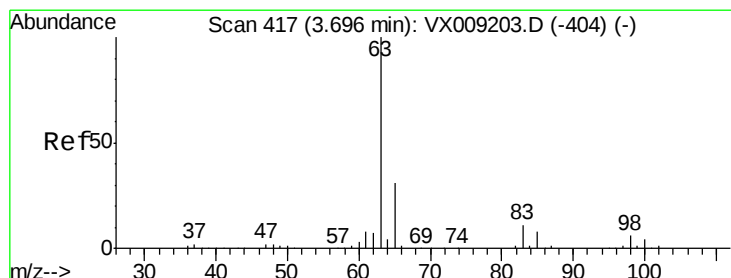
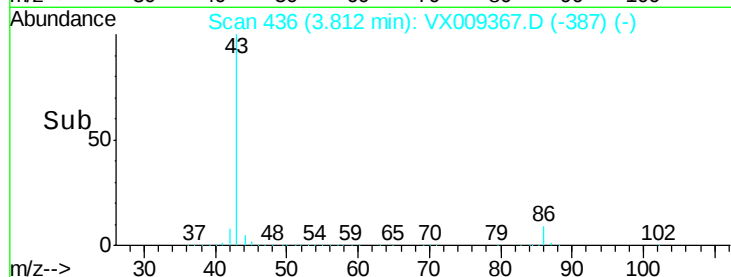
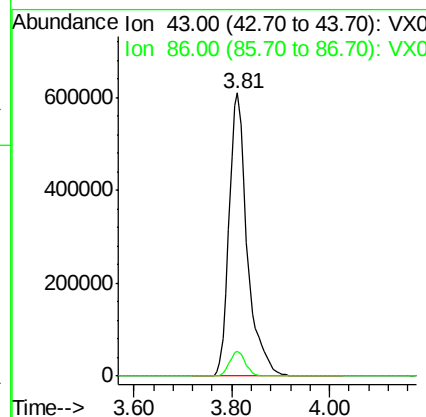
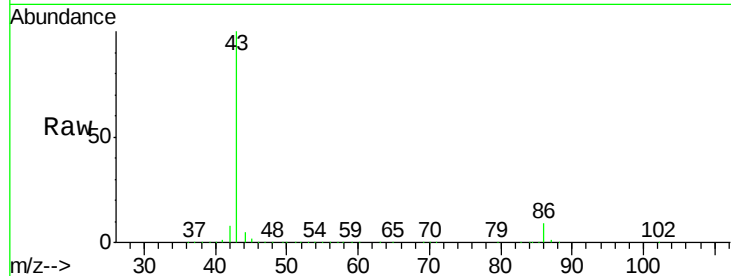
86 8.6 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.865 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

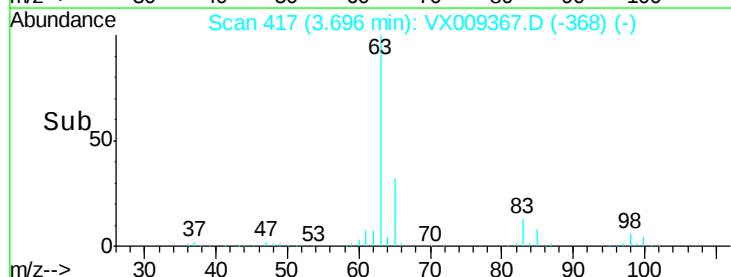
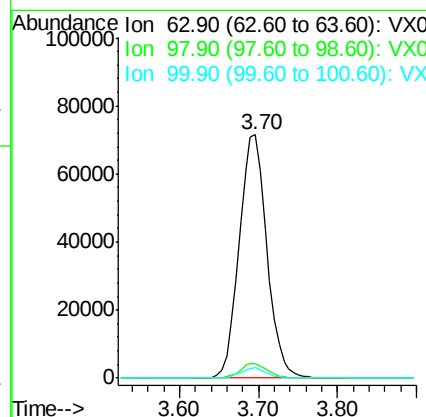
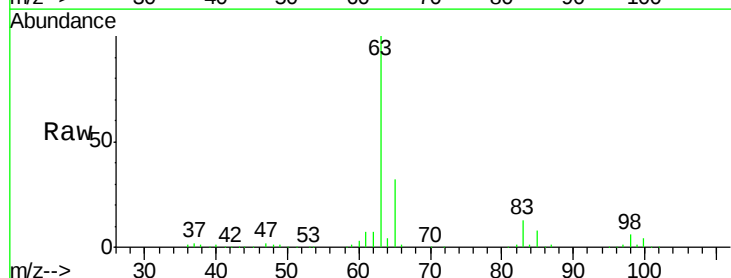
Tgt Ion: 63 Resp: 175025

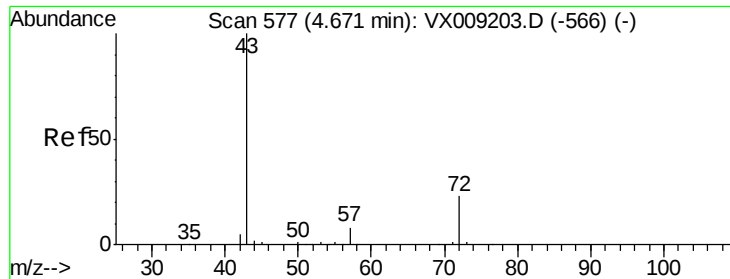
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 234.692 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 480762

Ion Ratio Lower Upper

43 100

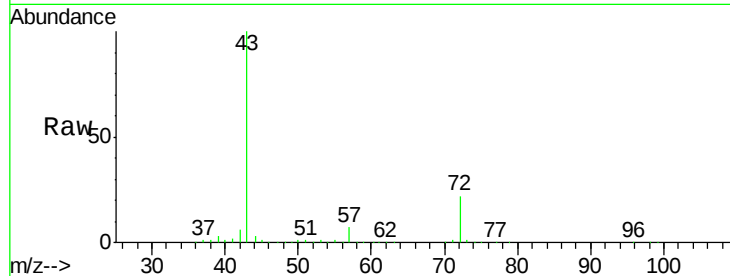
72 22.0 18.2 27.2

Manual Integrations

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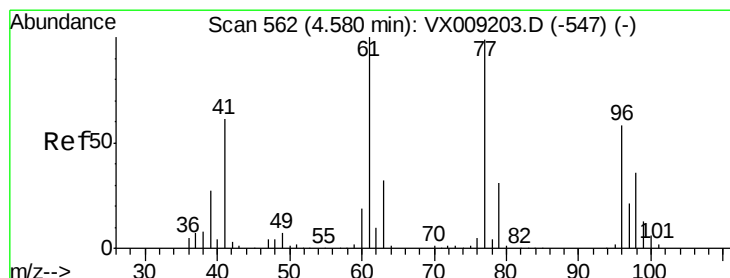
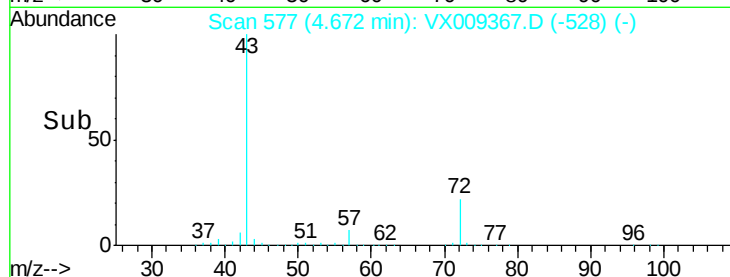
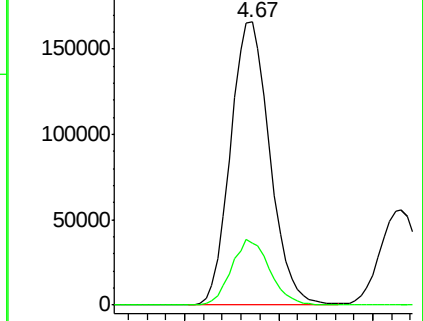
MMDadoda

5/8/2019 10:10:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.972 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009367.D

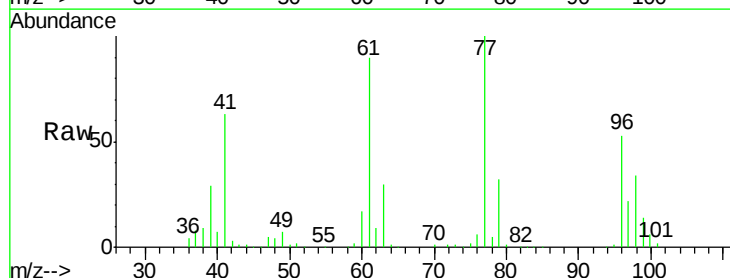
Acq: 07 May 2019 09:44

Tgt Ion: 77 Resp: 133494

Ion Ratio Lower Upper

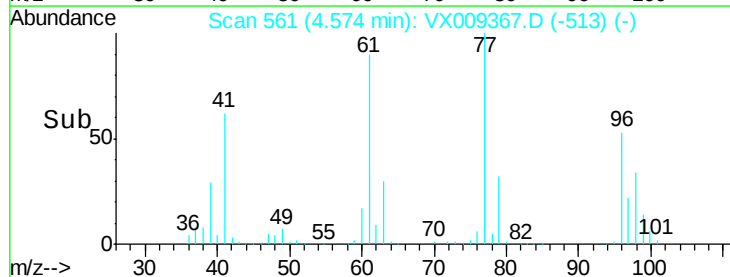
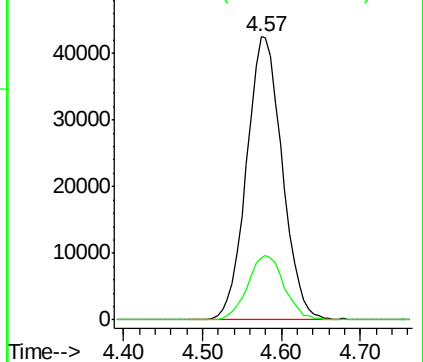
77 100

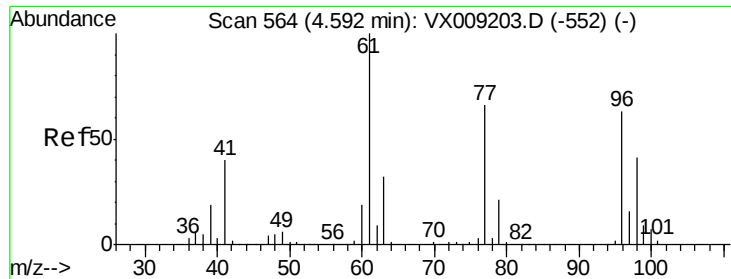
97 23.2 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

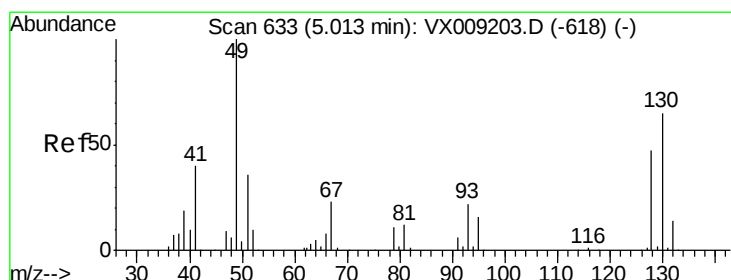
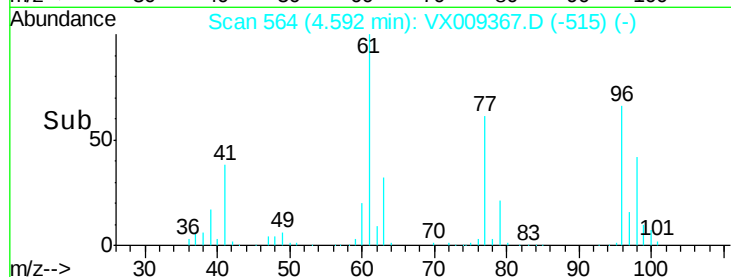
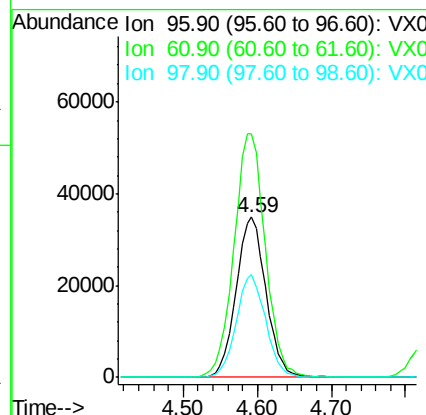
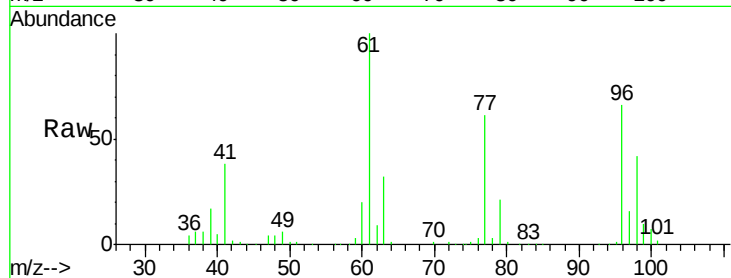
cis-1,2-Dichloroethene
Concen: 44.982 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	324.0
98	63.2	0.0	130.4

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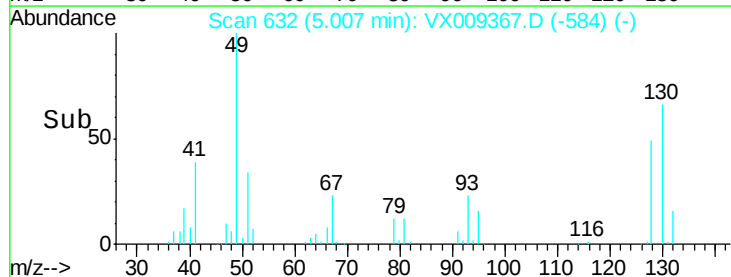
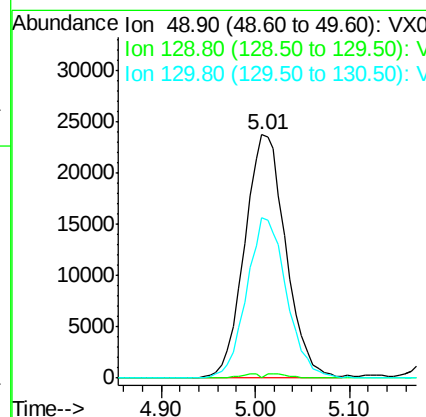
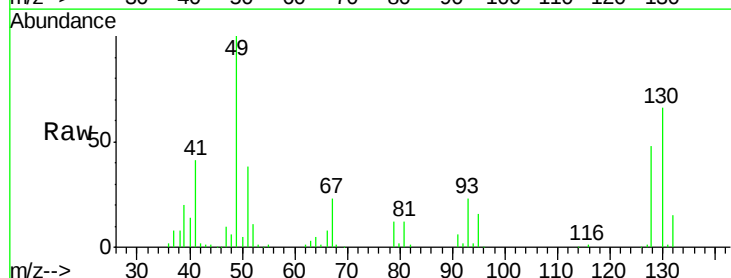
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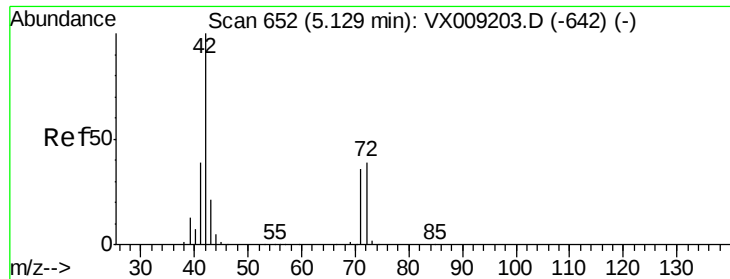


#28

Bromochloromethane
Concen: 45.981 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	64.0	51.2	76.8





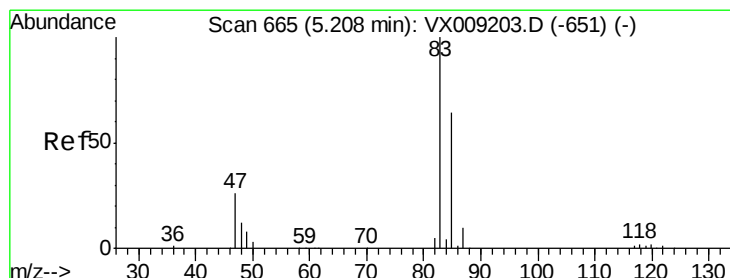
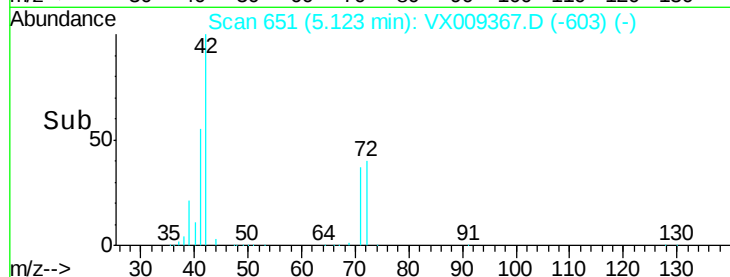
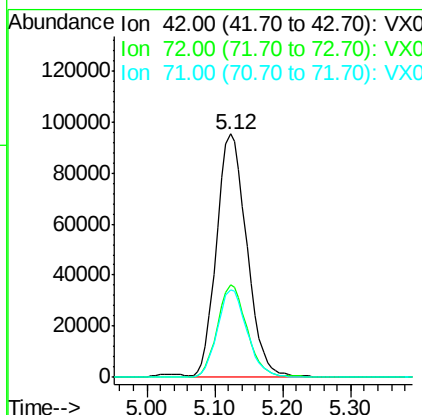
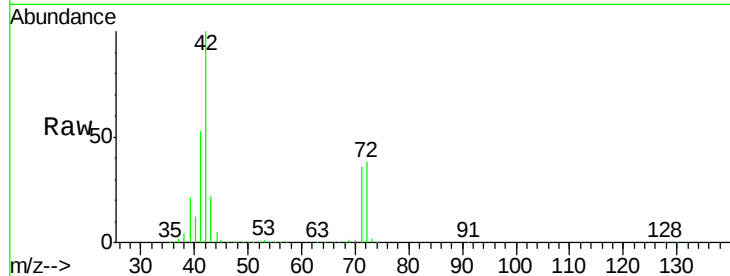
#29
Tetrahydrofuran
Concen: 222.489 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.4	45.6
71	35.2	28.6	43.0

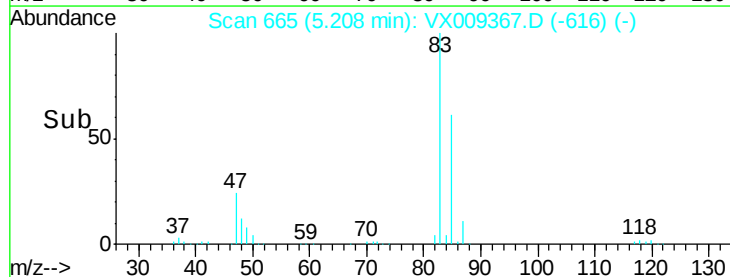
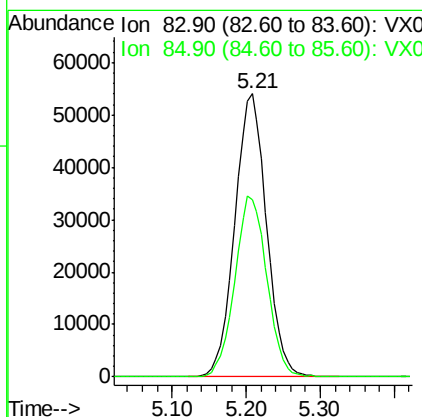
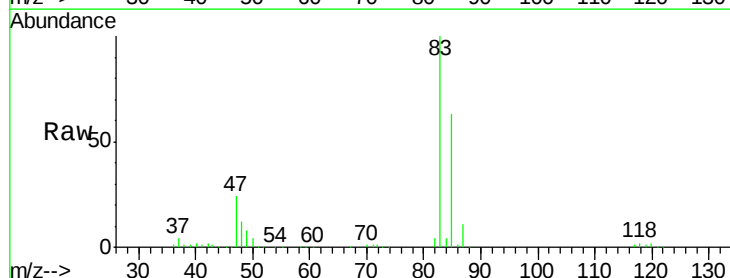
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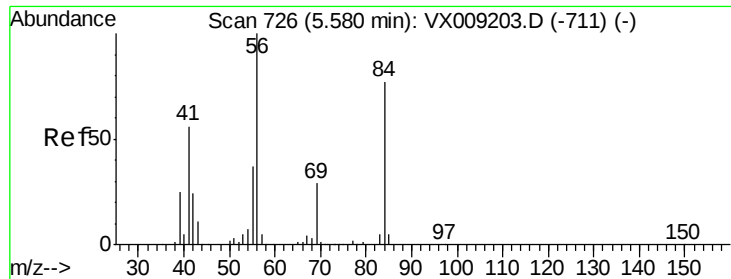
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#30
Chloroform
Concen: 45.712 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3





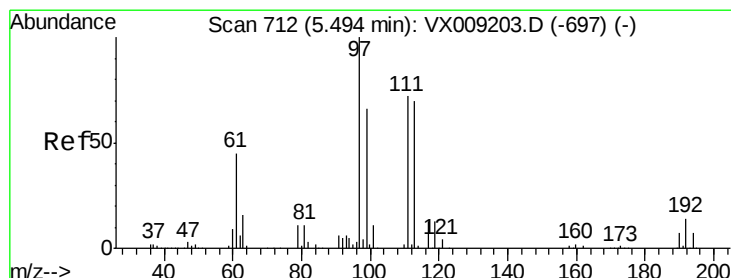
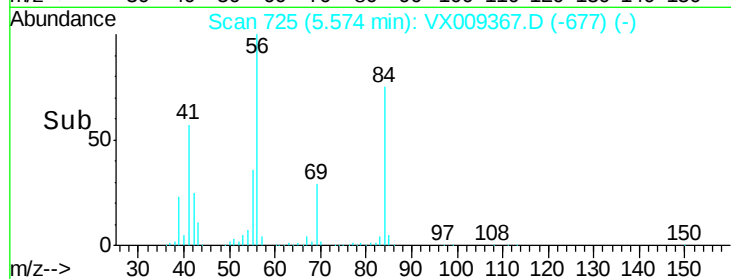
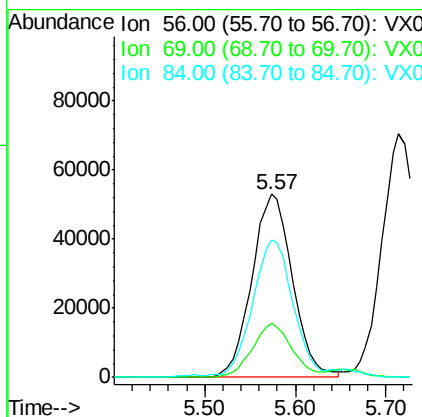
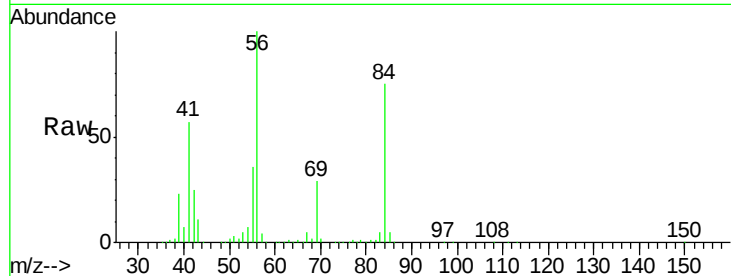
#31
Cyclohexane
Concen: 45.205 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.0
84	74.1	61.9	92.9

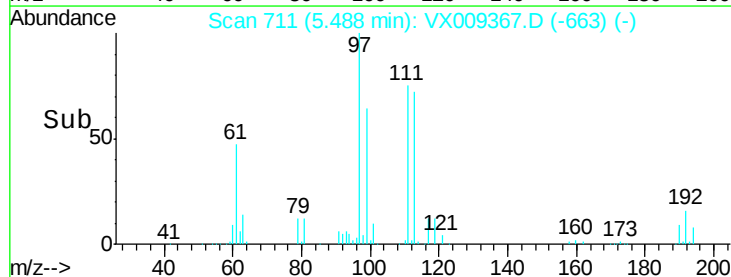
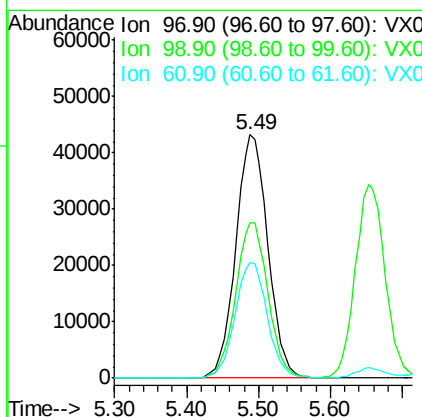
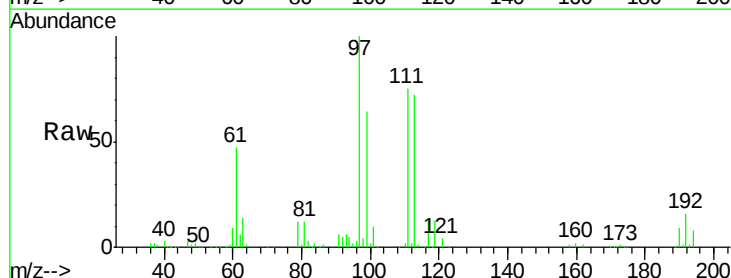
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#32
1,1,1-Trichloroethane
Concen: 45.430 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.8	37.8	56.8





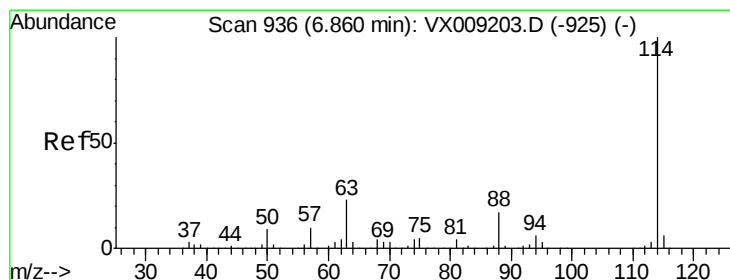
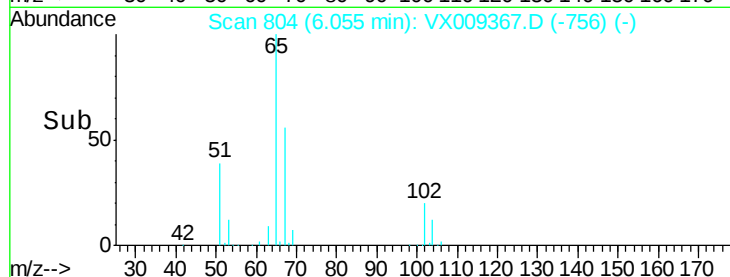
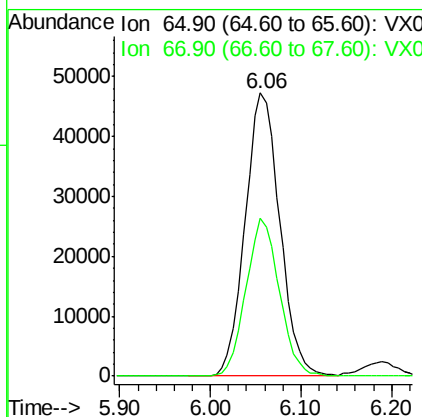
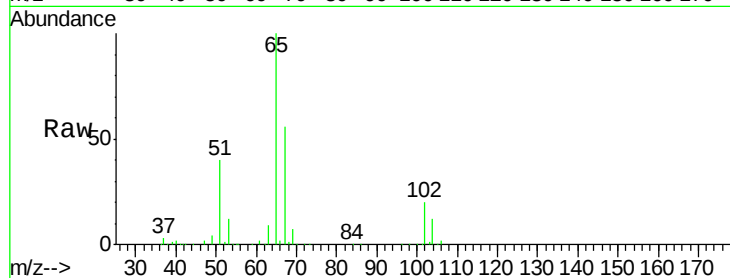
#33
 1,2-Dichloroethane-d4
 Concen: 50.869 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.6

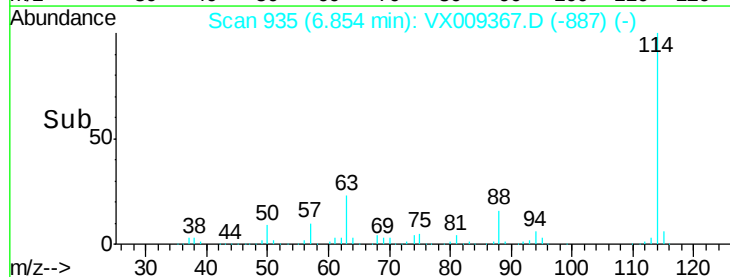
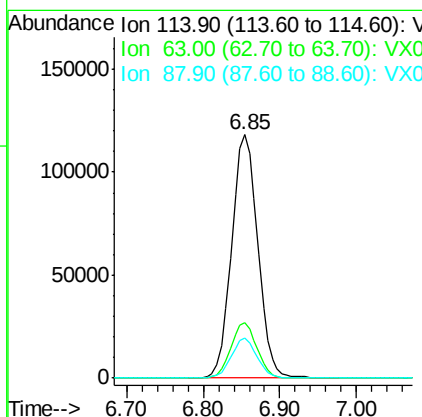
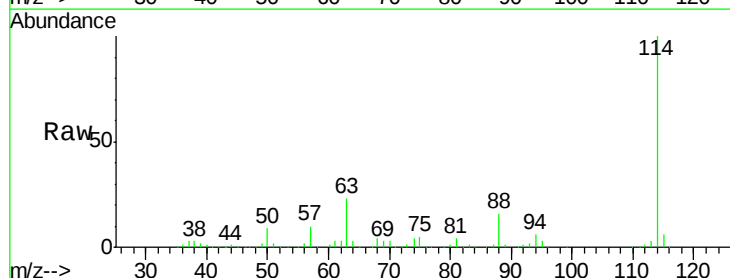
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.6
88	16.4	0.0	33.2





#35

Dibromofluoromethane

Concen: 53.211 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

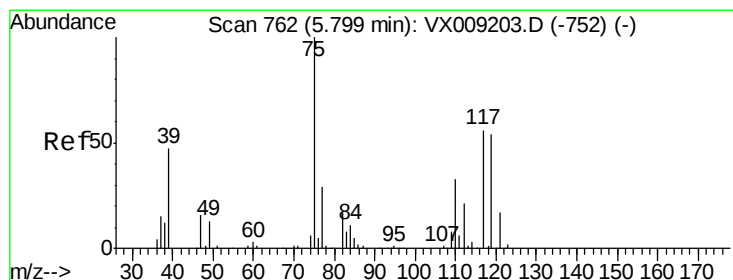
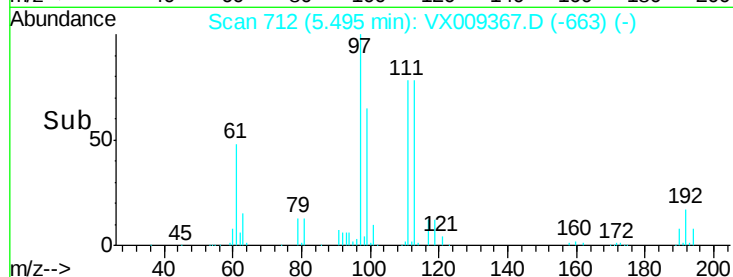
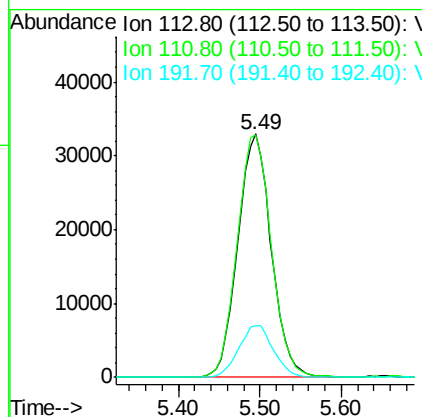
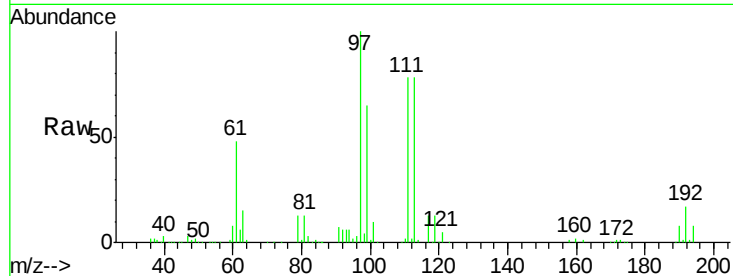
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	93685
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.8	124.2
192	22.0	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 46.324 ug/l

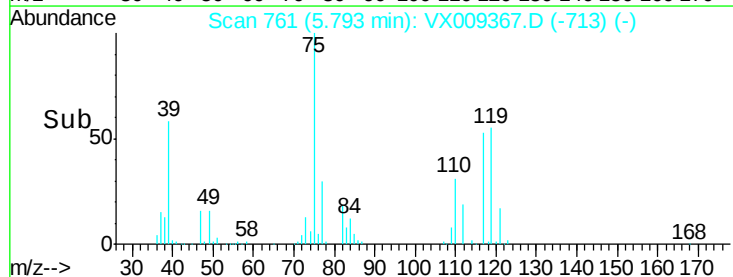
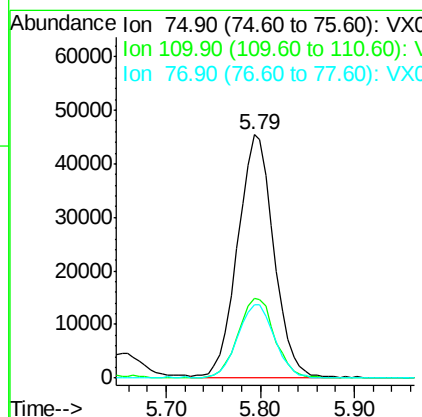
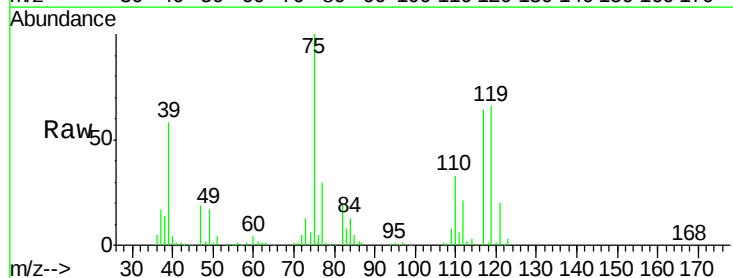
RT: 5.79 min Scan# 761

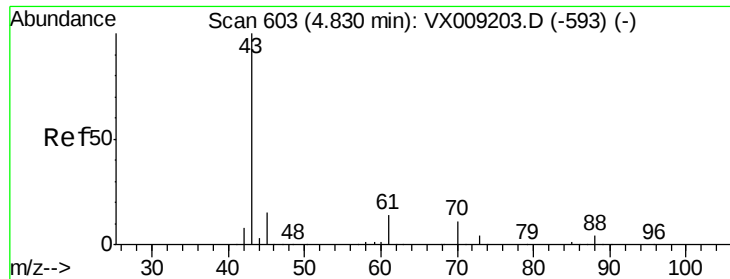
Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	75	Resp:	120568
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	30.7	24.8	37.2





#37

Ethyl Acetate

Concen: 46.095 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

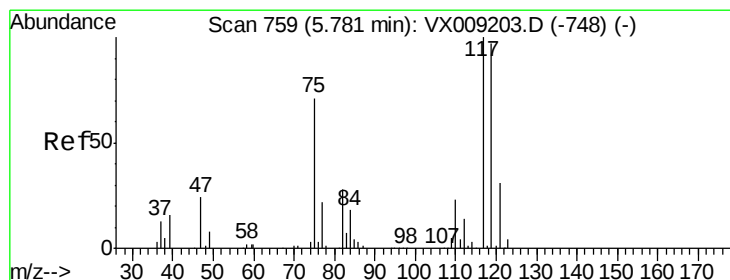
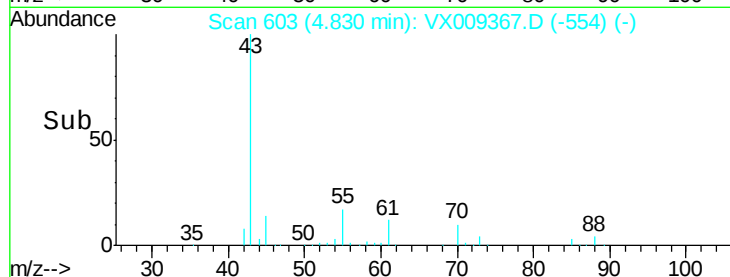
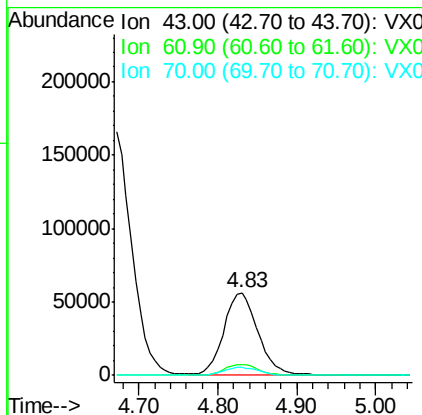
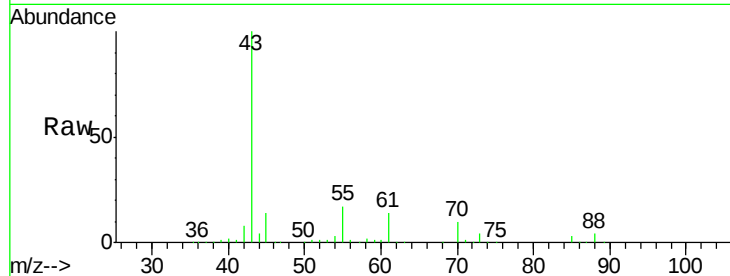
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	167157
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.9	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 47.260 ug/l

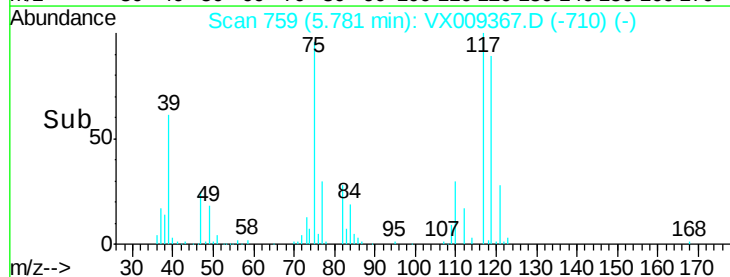
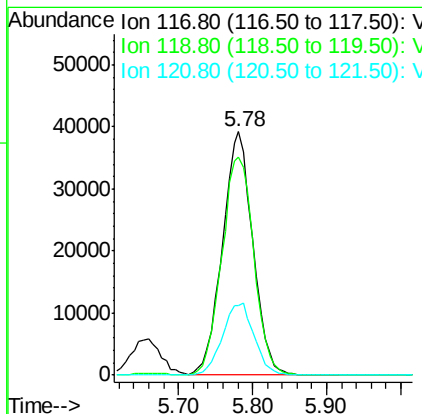
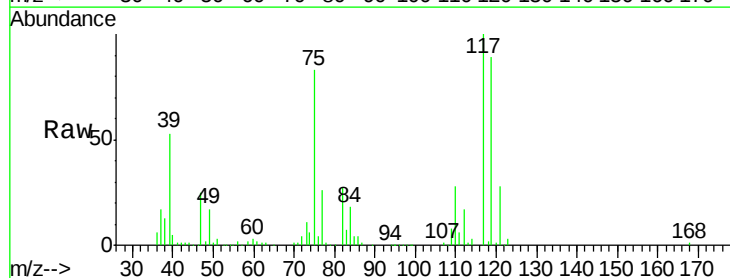
RT: 5.78 min Scan# 759

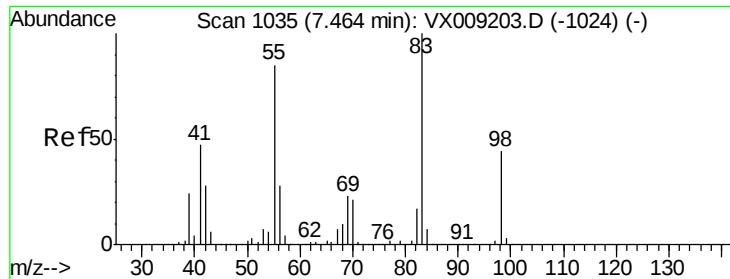
Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	117	Resp:	111758
Ion	Ratio	Lower	Upper
117	100		
119	89.5	77.5	116.3
121	28.3	24.7	37.1





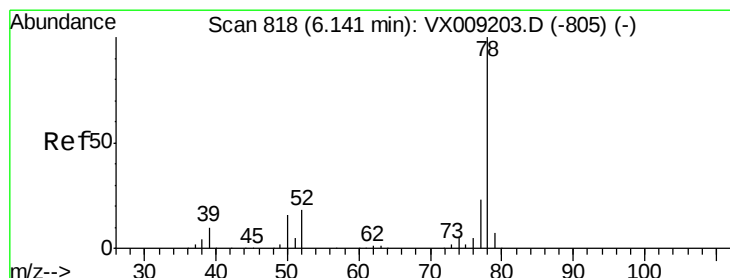
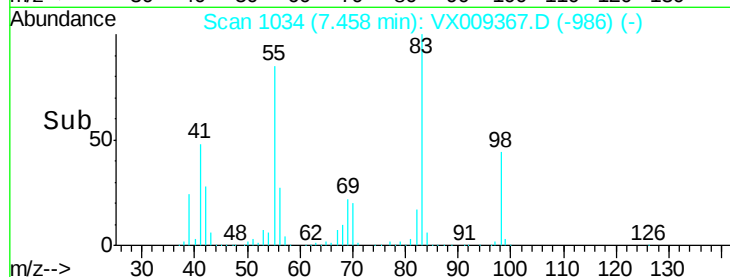
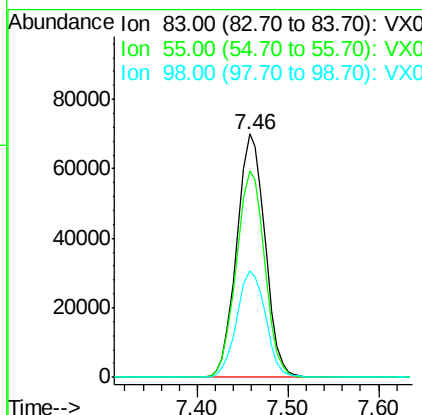
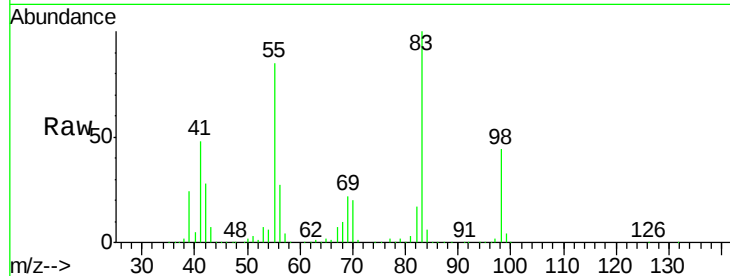
#39
Methvlcvclohexane
Concen: 47.571 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.6	67.7	101.5	
98	43.7	35.5	53.3	

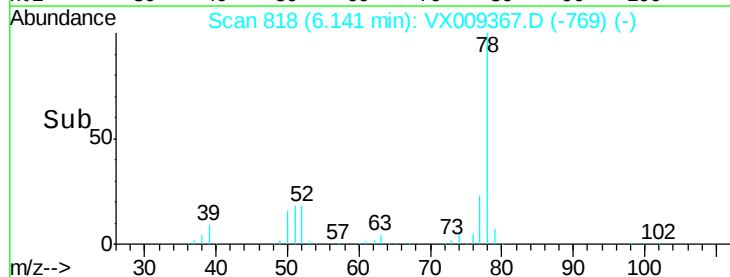
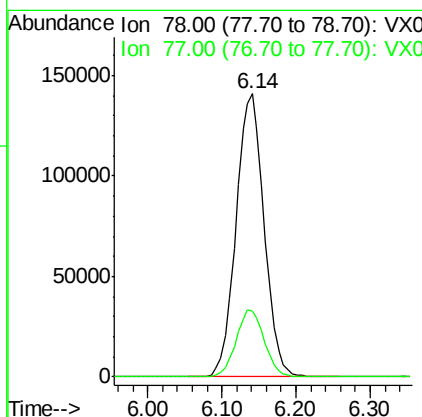
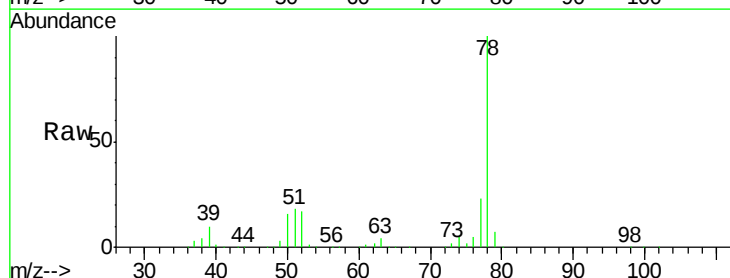
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#40
Benzene
Concen: 46.194 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





#41

Methacrylonitrile

Concen: 45.011 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

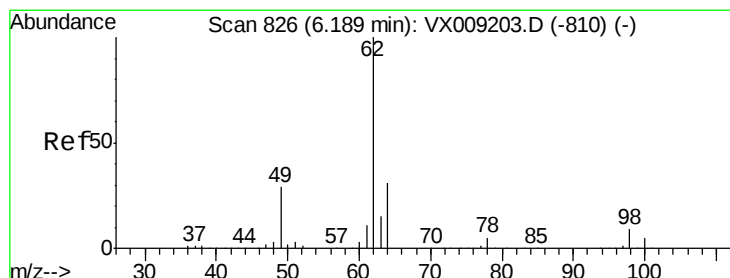
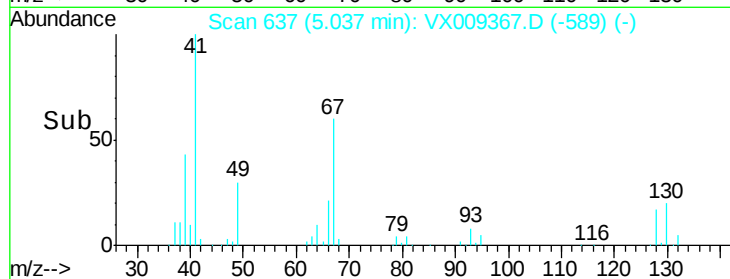
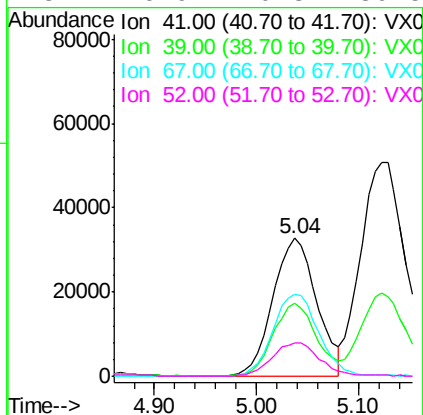
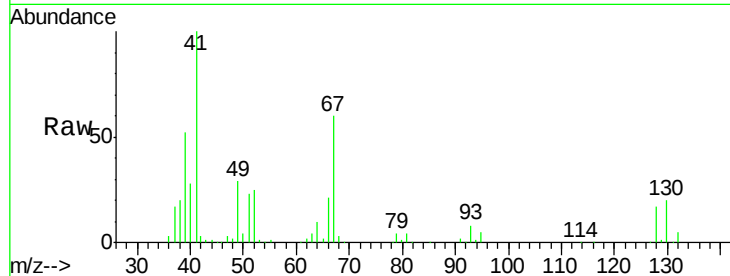
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	63.0	49.8	74.8	
52	26.9	20.3	30.5	

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#42

1,2-Dichloroethane

Concen: 46.814 ug/l

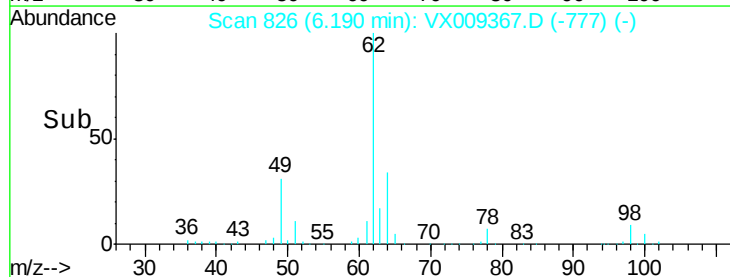
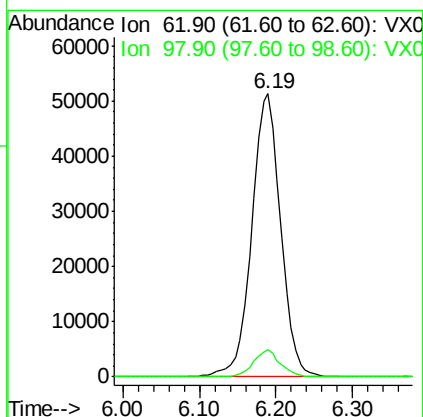
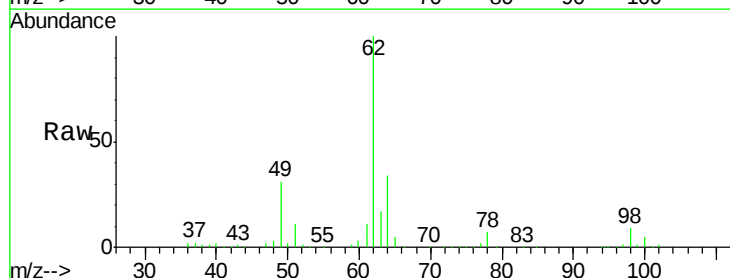
RT: 6.19 min Scan# 826

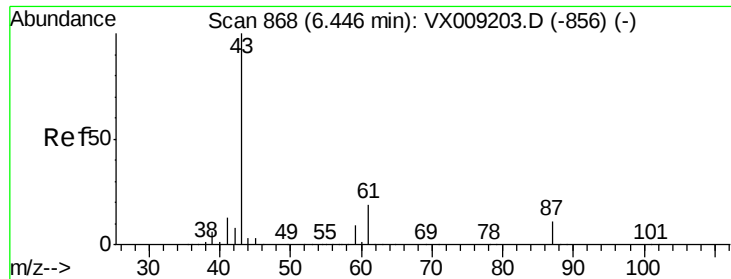
Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.2	





#43

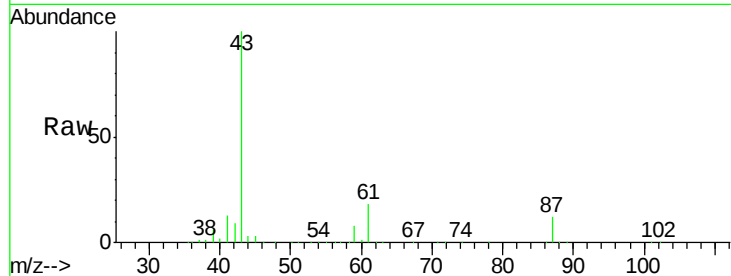
Isopropyl Acetate
 Concen: 46.381 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

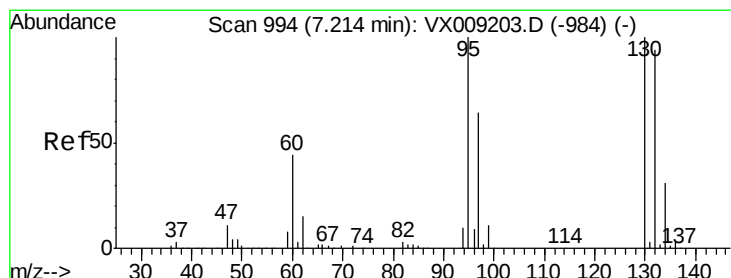
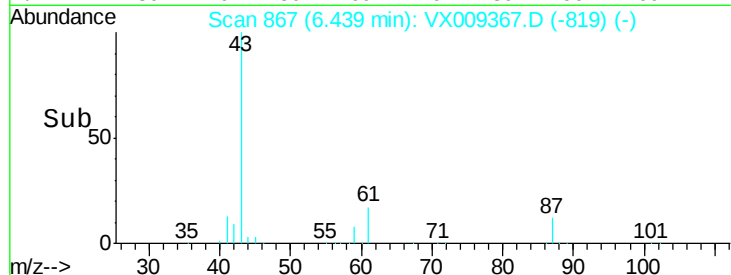
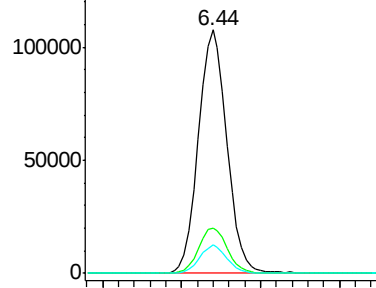
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.3	9.0	13.6

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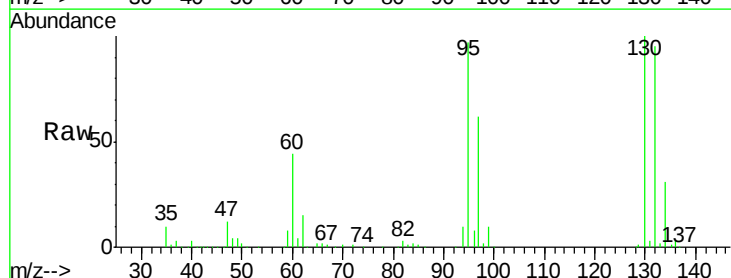
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



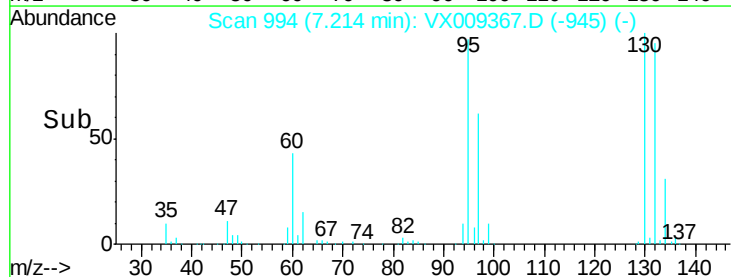
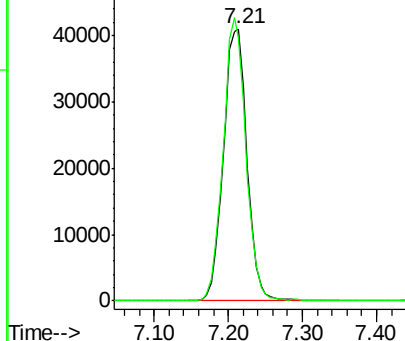
#44

Trichloroethene
 Concen: 46.418 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.054 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 107323

Ion Ratio Lower Upper

63 100

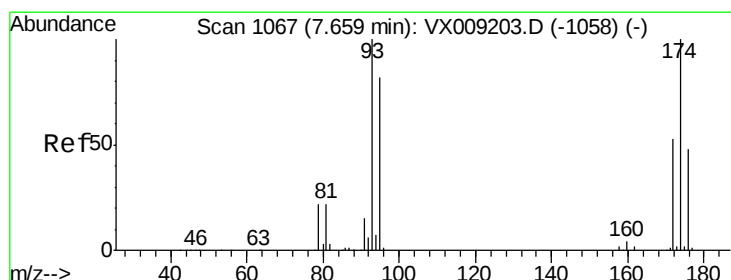
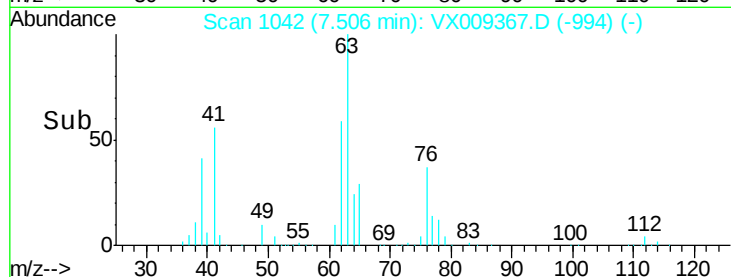
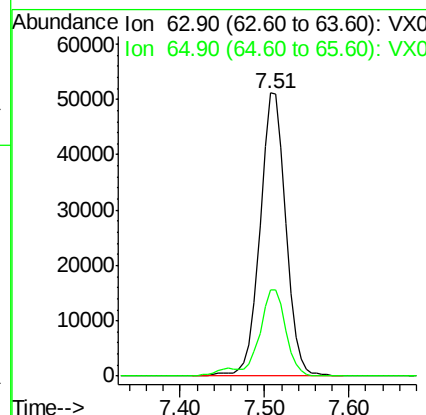
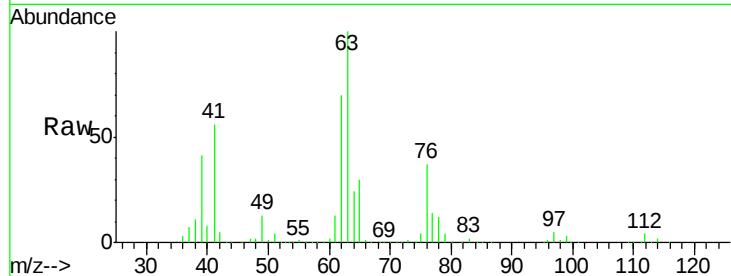
65 30.5 25.0 37.6

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#46

Dibromomethane

Concen: 45.858 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

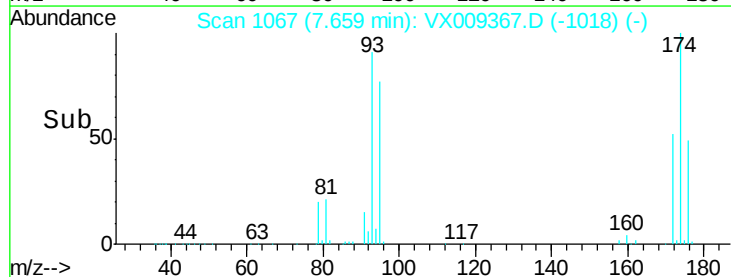
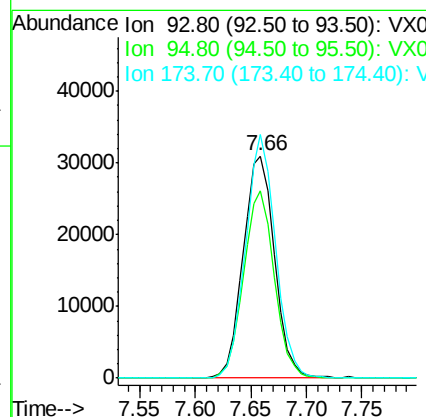
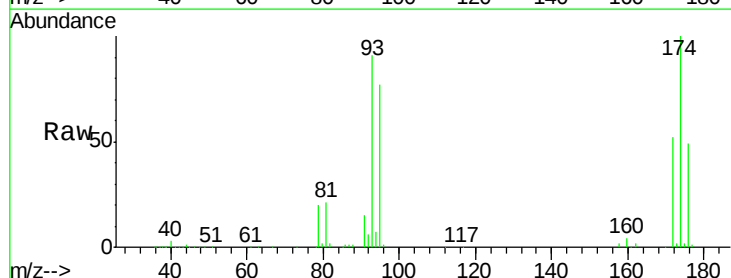
Tgt Ion: 93 Resp: 60738

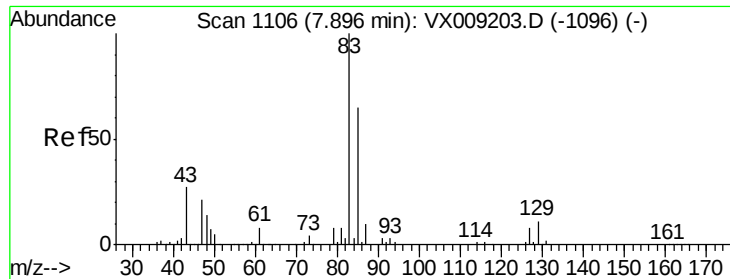
Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 104.5 82.1 123.1





#47

Bromodichloromethane

Concen: 47.818 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 126337

Ion Ratio Lower Upper

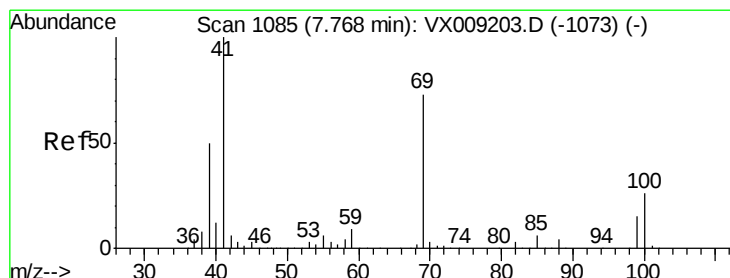
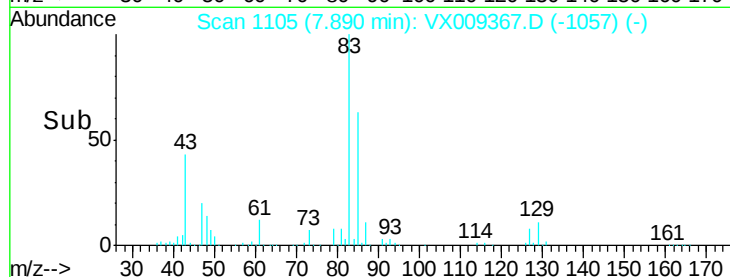
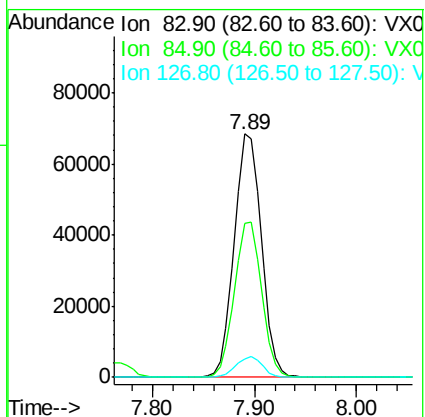
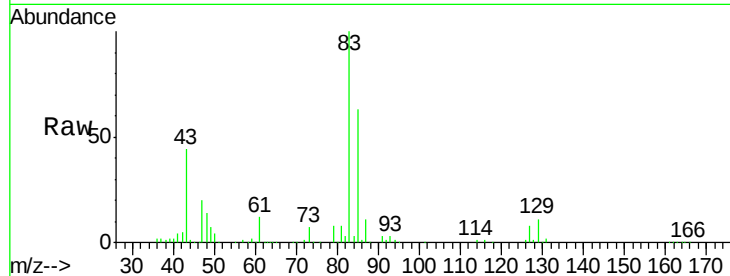
83 100

85 63.4 52.4 78.6

127 7.5 6.6 10.0

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#48

Methyl methacrylate

Concen: 47.195 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

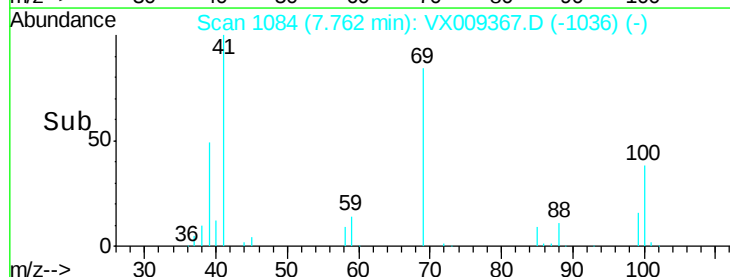
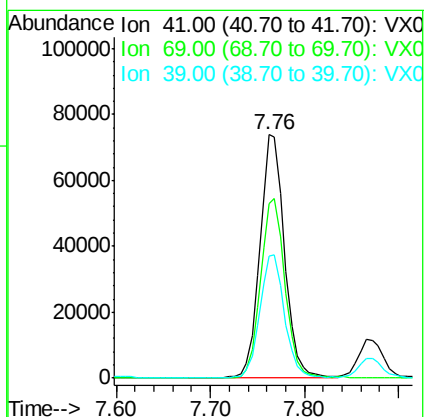
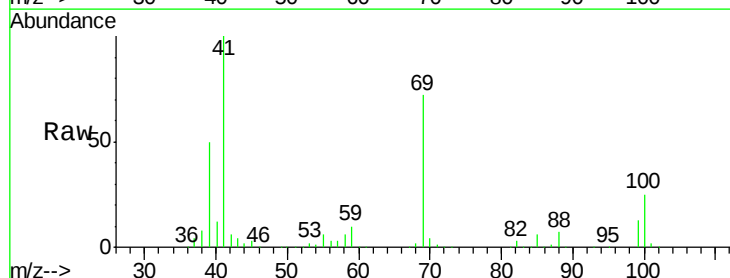
Tgt Ion: 41 Resp: 135816

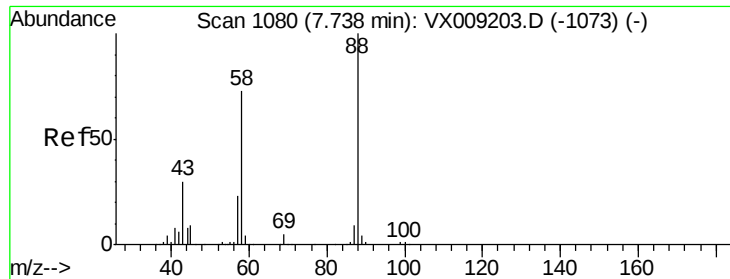
Ion Ratio Lower Upper

41 100

69 74.2 59.1 88.7

39 51.2 40.4 60.6





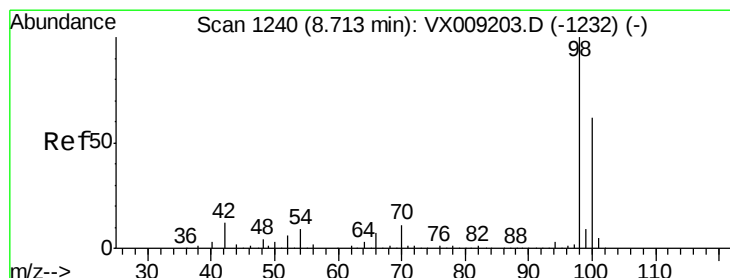
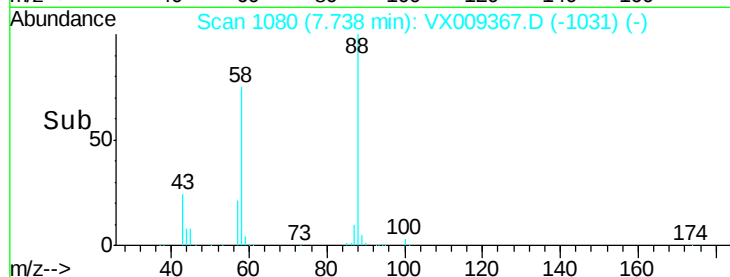
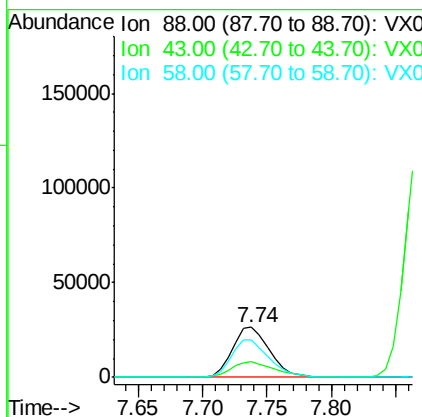
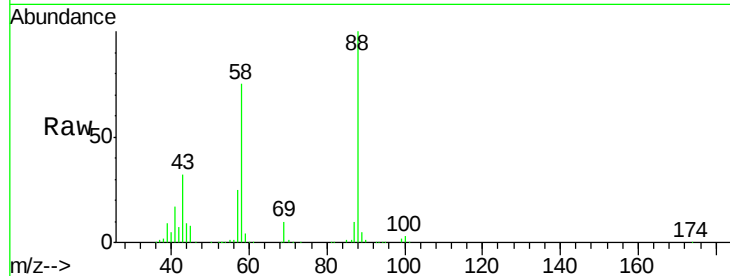
#49
1,4-Dioxane
Concen: 913.622 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	77.7	61.7	92.5

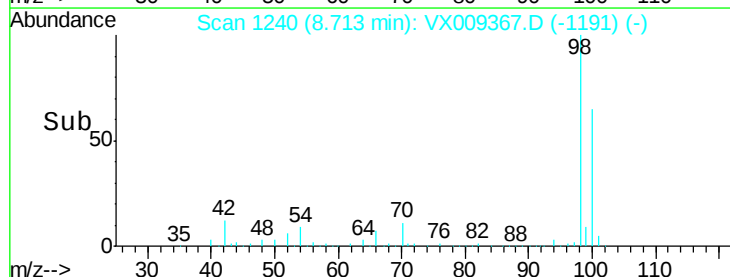
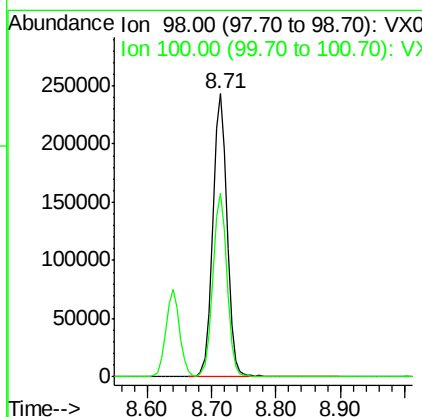
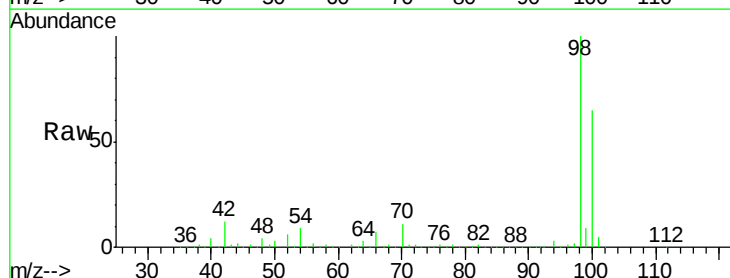
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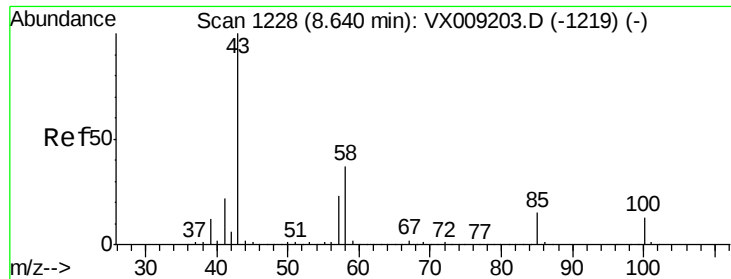
MMDadoda
5/8/2019 10:10:20 AM



#50
Toluene-d8
Concen: 53.743 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 239.180 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 906816

Ion Ratio Lower Upper

43 100

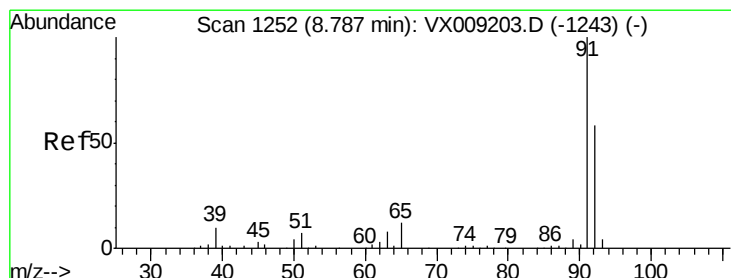
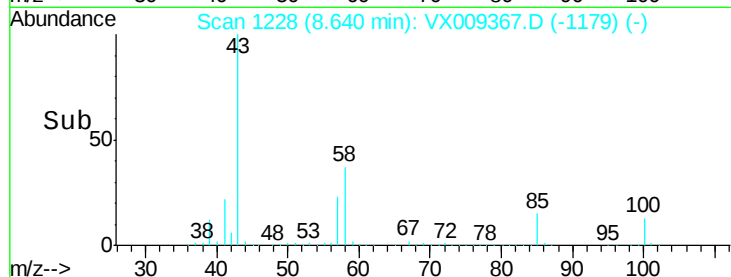
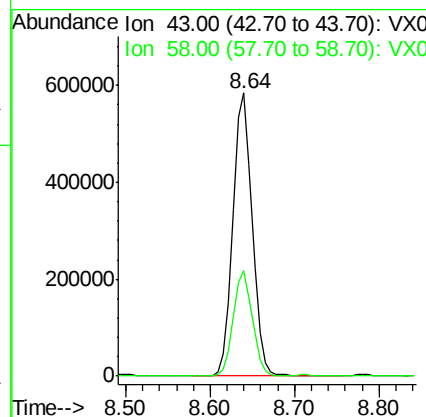
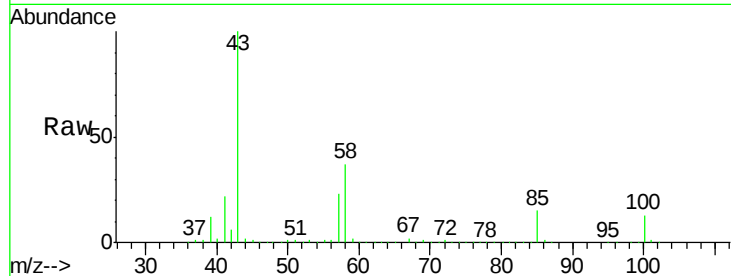
58 36.6 29.5 44.3

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#52

Toluene

Concen: 46.991 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009367.D

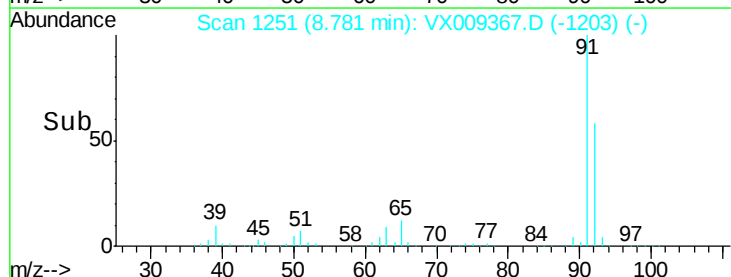
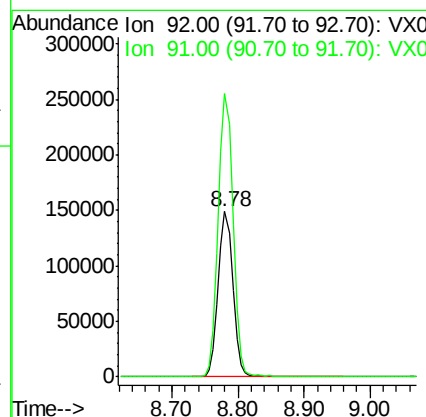
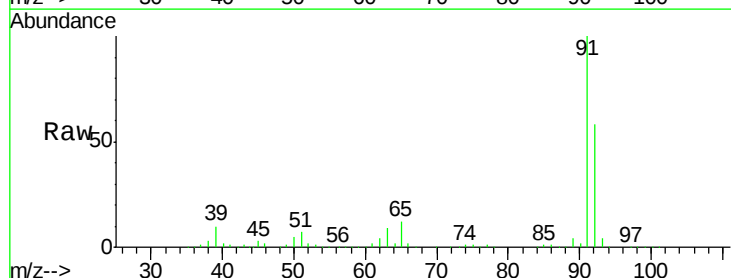
Acq: 07 May 2019 09:44

Tgt Ion: 92 Resp: 230085

Ion Ratio Lower Upper

92 100

91 173.0 138.8 208.2





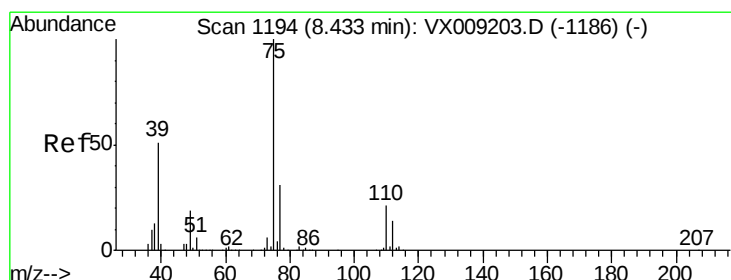
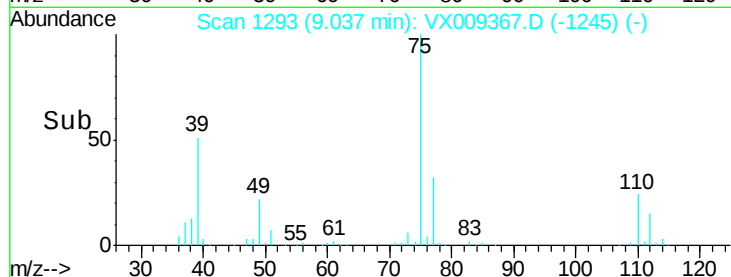
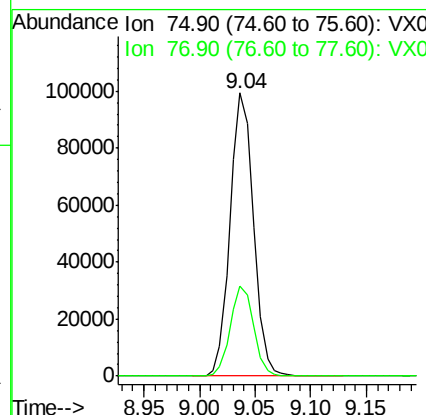
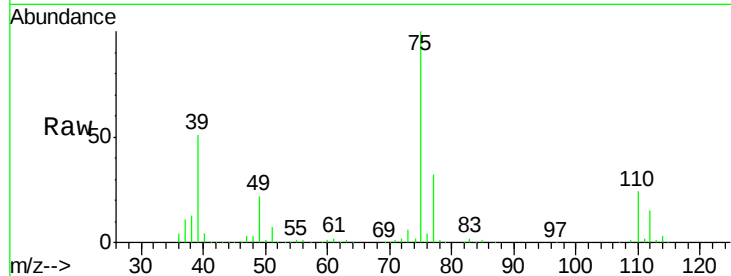
#53
t-1,3-Dichloropropene
Concen: 48.522 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 144735
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6

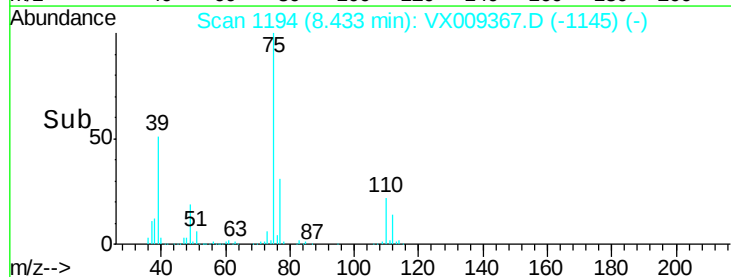
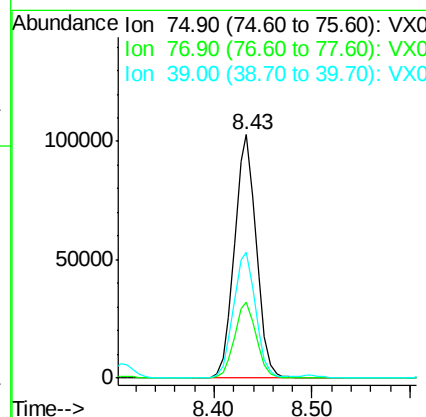
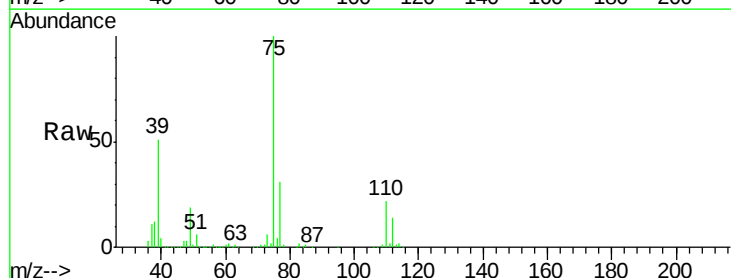
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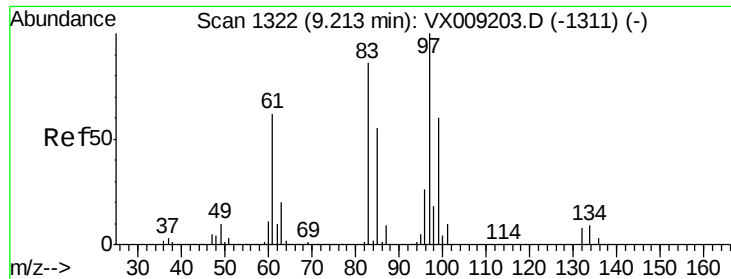
MMDadoda
5/8/2019 10:10:20 AM



#54
cis-1,3-Dichloropropene
Concen: 48.225 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion: 75 Resp: 159218
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 51.3 40.6 60.8





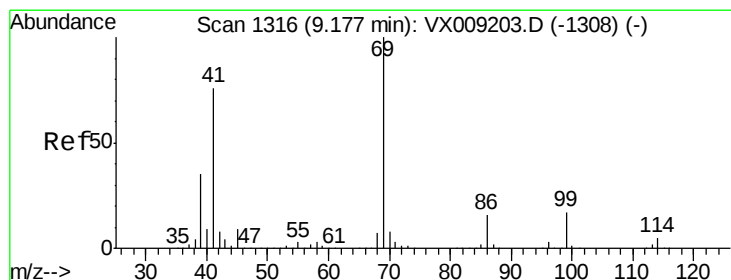
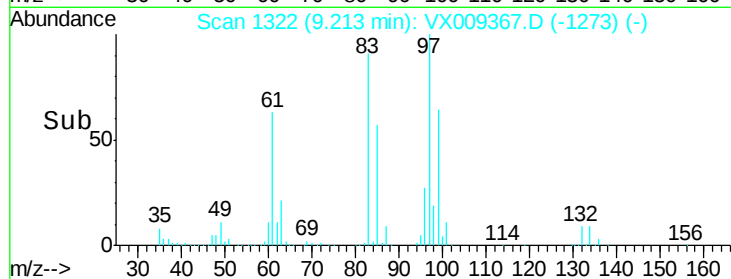
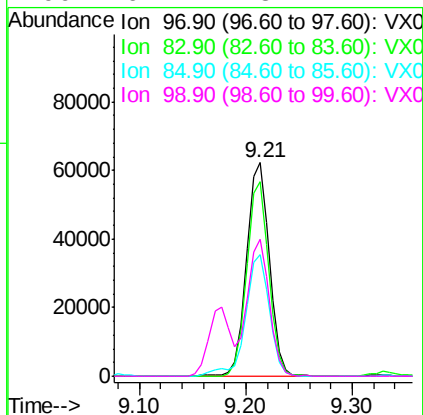
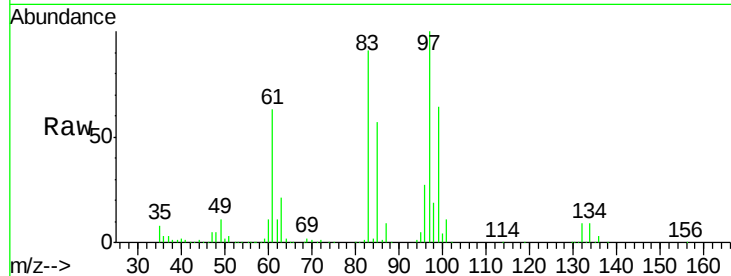
#55
 1,1,2-Trichloroethane
 Concen: 47.072 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94030
Ion	Ratio	Lower	Upper
97	100		
83	90.9	68.9	103.3
85	56.7	43.8	65.6
99	64.1	48.2	72.2

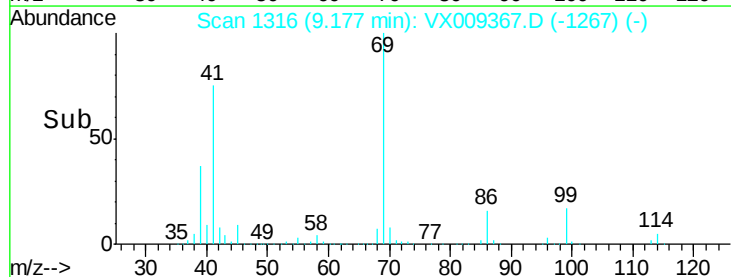
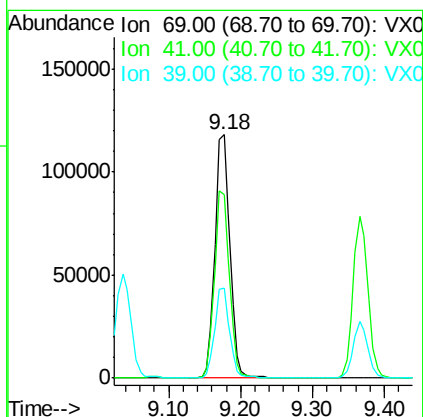
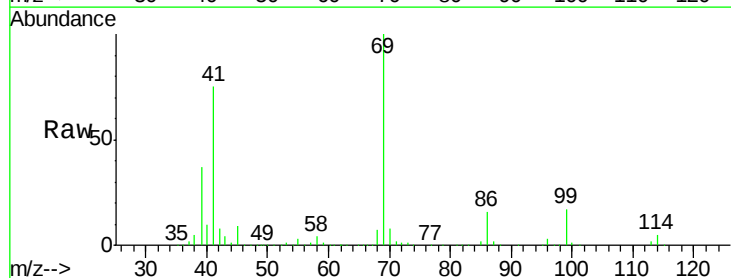
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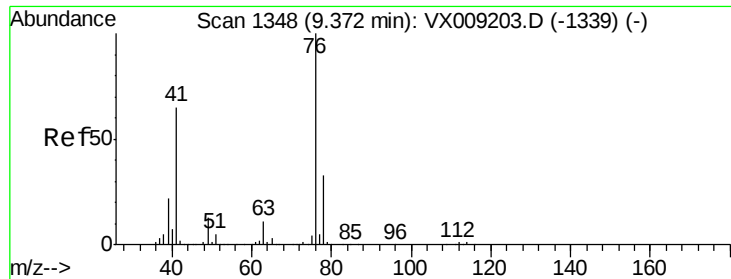
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 5/8/2019 10:10:20 AM



#56
 Ethyl methacrylate
 Concen: 47.617 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion:	69	Resp:	169791
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.6	90.8
39	36.4	28.2	42.4





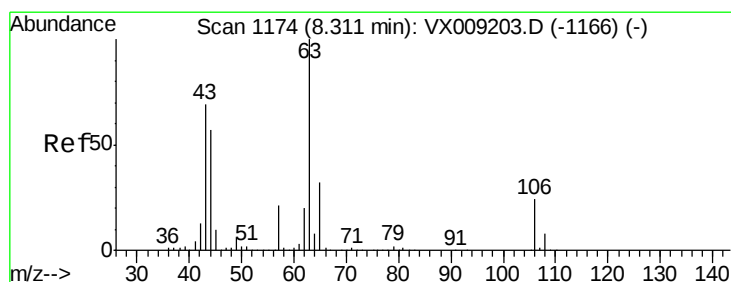
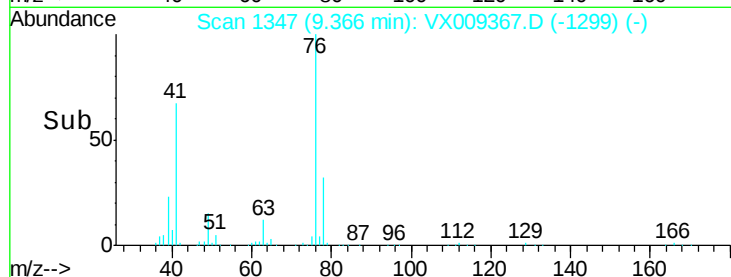
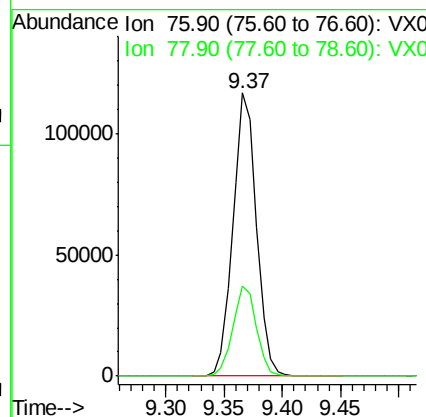
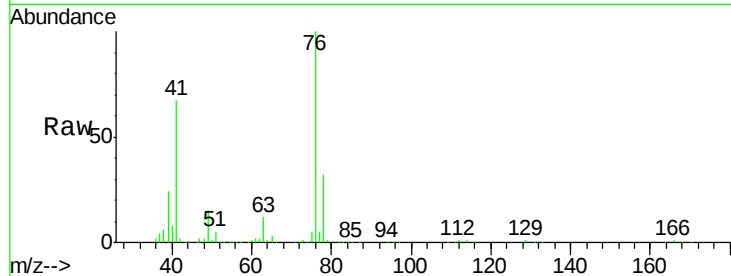
#57
 1,3-Dichloropropane
 Concen: 46.644 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

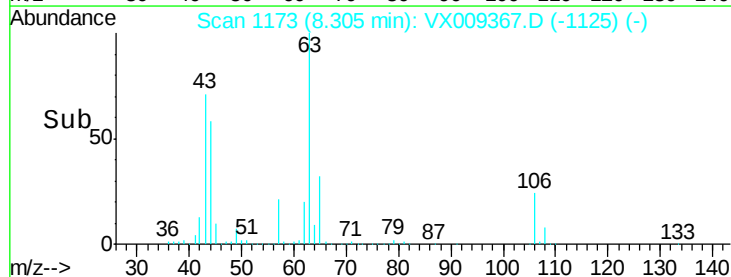
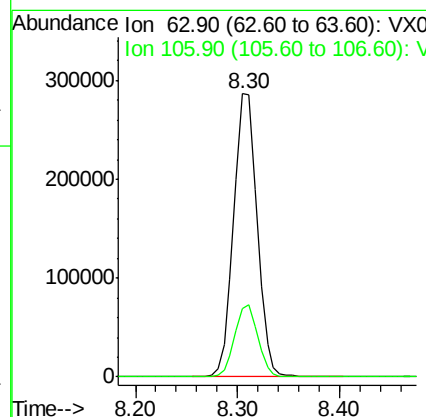
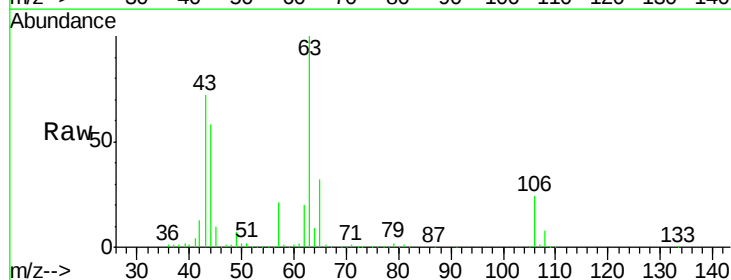
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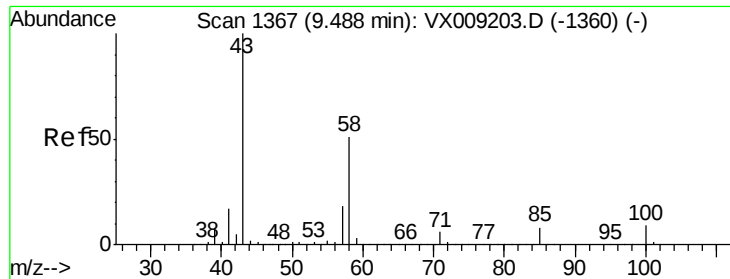
MMDadoda
 5/8/2019 10:10:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.072 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5





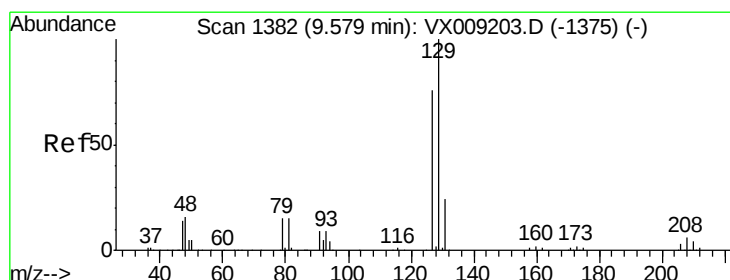
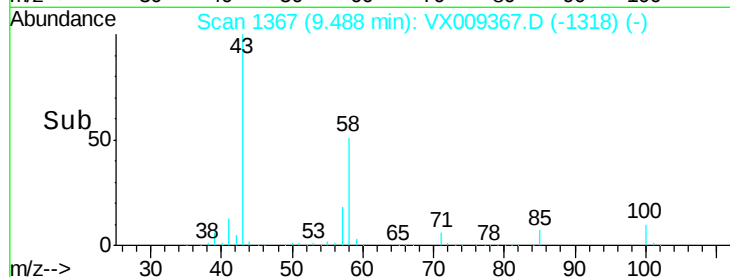
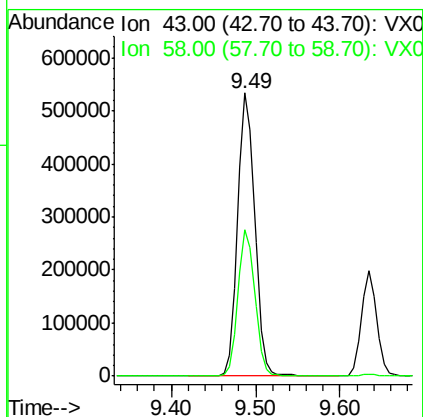
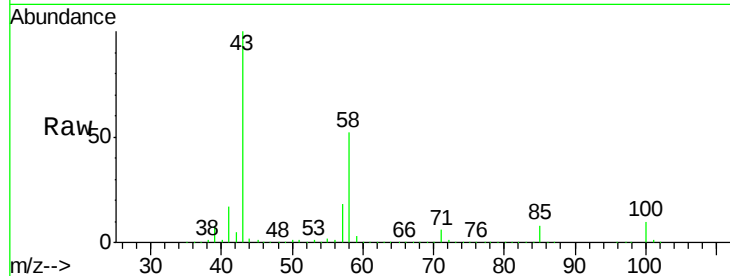
#59
2-Hexanone
Concen: 244.630 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 728429
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

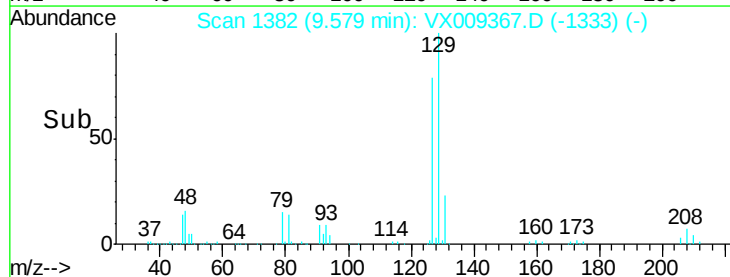
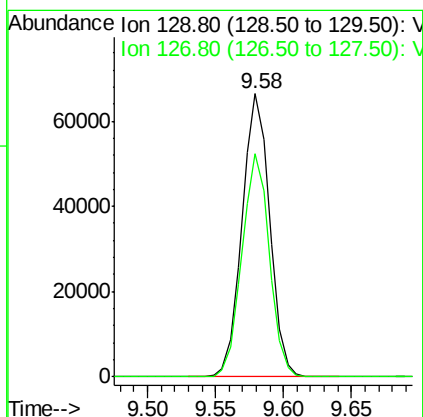
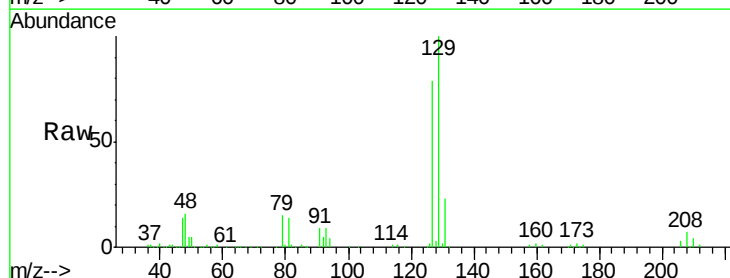
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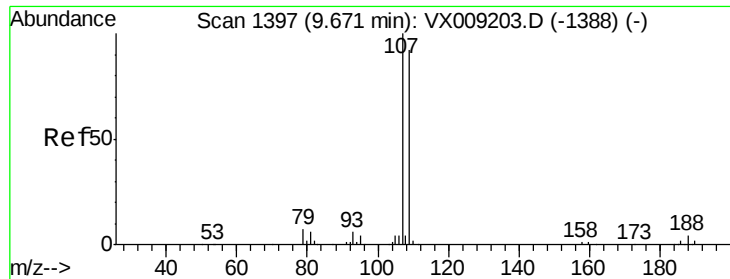
MMDadoda
5/8/2019 10:10:20 AM



#60
Dibromochloromethane
Concen: 48.341 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion: 129 Resp: 94314
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.902 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 94574

Ion Ratio Lower Upper

107 100

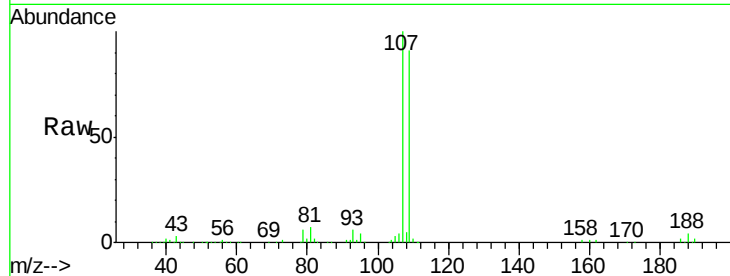
109 94.4 75.2 112.8

Manual Integrations

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MMDadoda

5/8/2019 10:10:20 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

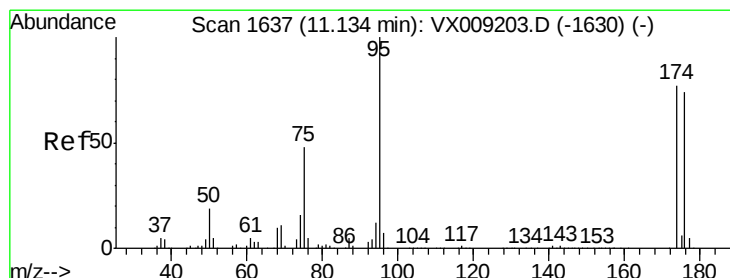
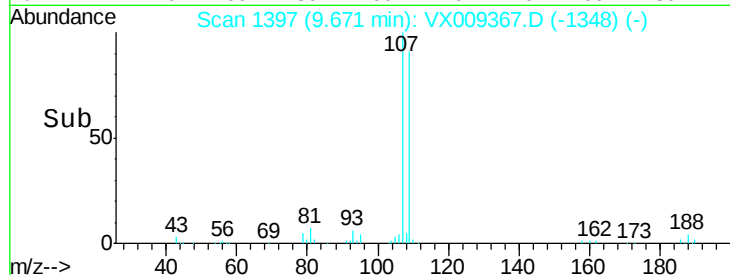
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 54.604 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

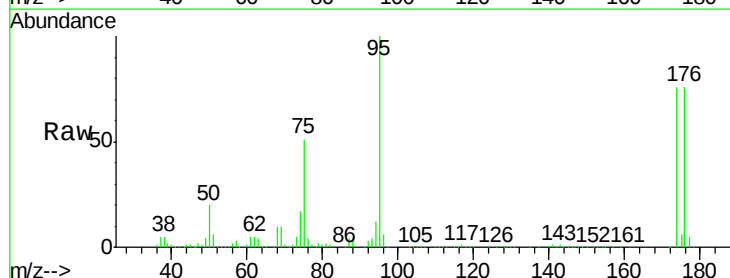
Tgt Ion: 95 Resp: 141032

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

176 79.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

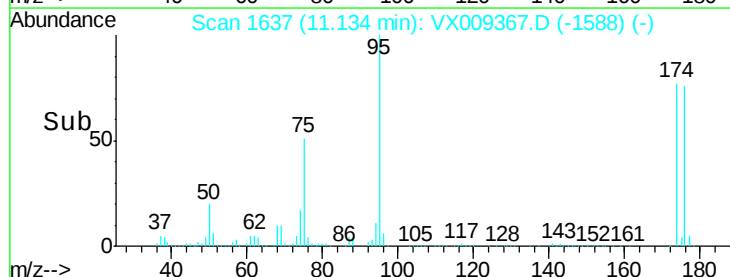
100000

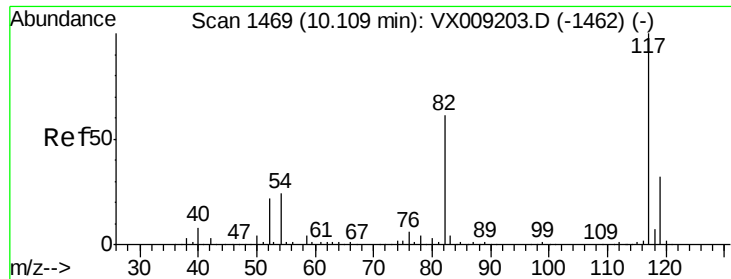
50000

0

Time-->

11.10 11.20





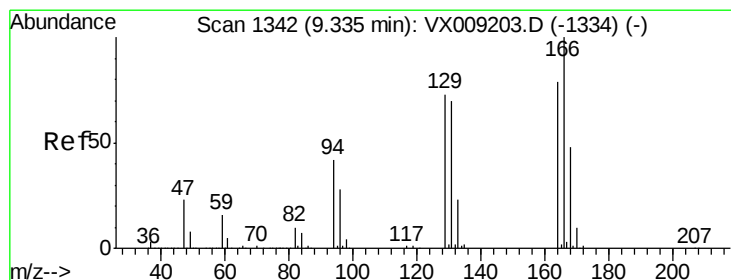
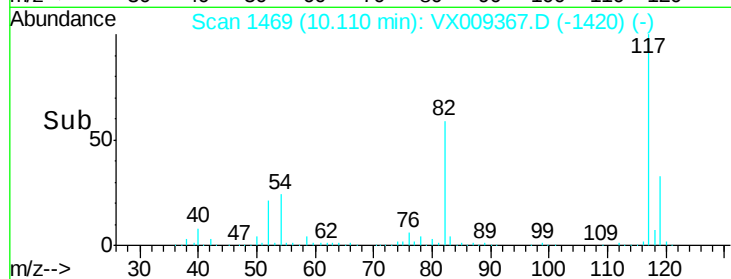
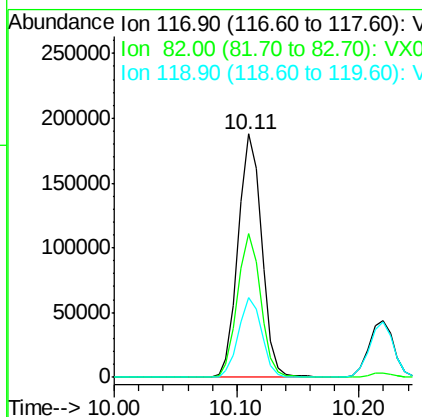
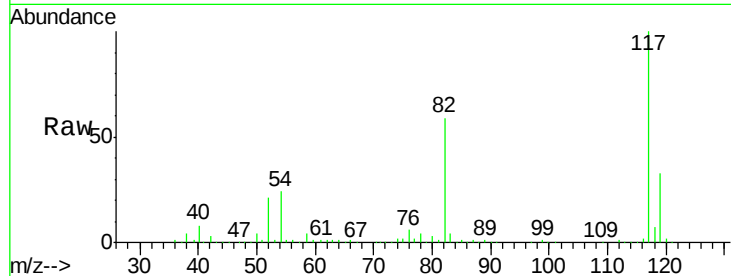
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	48.8	73.2
119	32.6	25.8	38.6

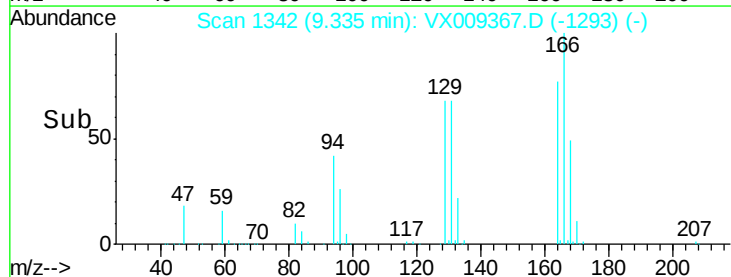
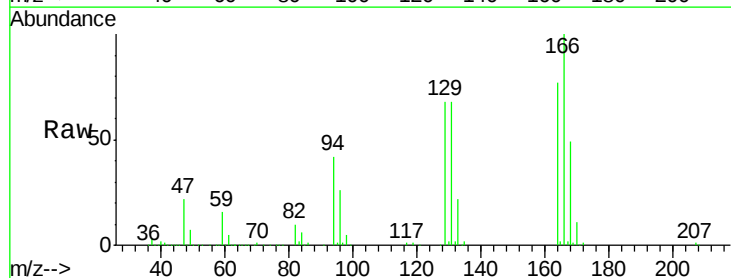
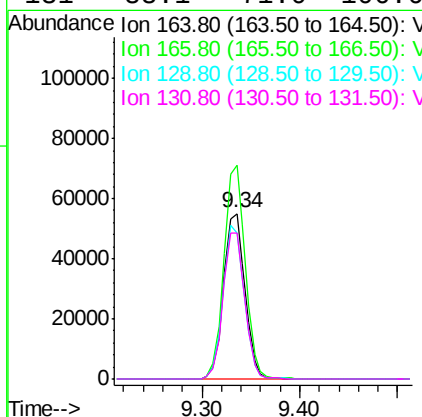
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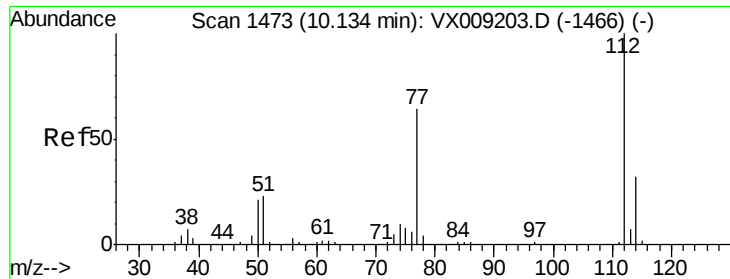
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5/8/2019 10:10:20 AM



#64
Tetrachloroethene
Concen: 48.711 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.2	151.8
129	88.2	74.3	111.5
131	88.1	71.0	106.6





#65

Chlorobenzene

Concen: 48.224 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 241365

Ion Ratio Lower Upper

112 100

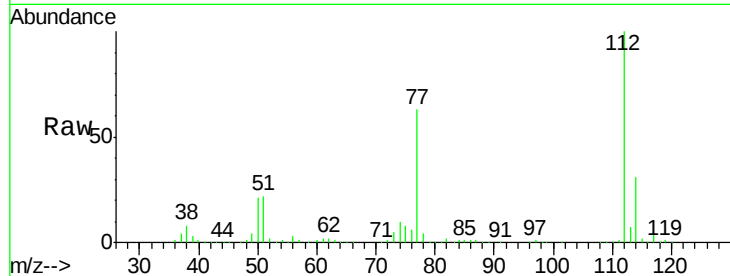
114 31.5 25.5 38.3

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

10.13

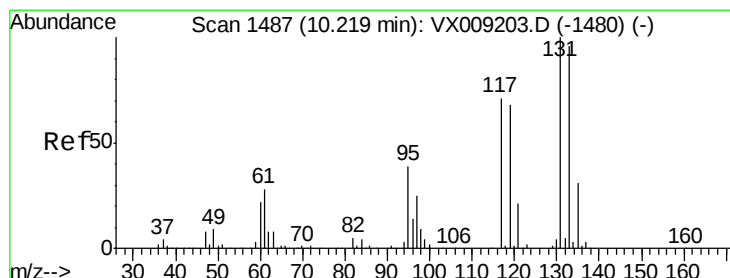
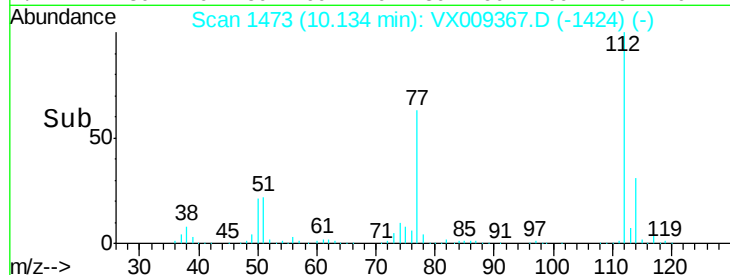
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.912 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

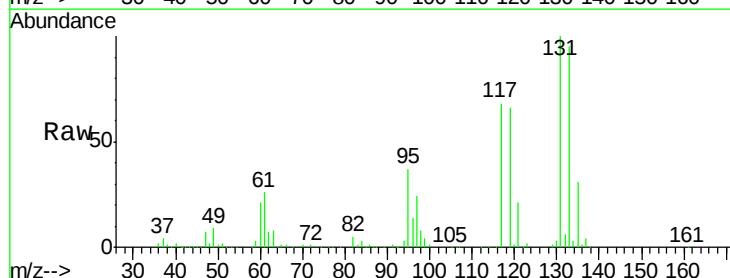
Tgt Ion:131 Resp: 88753

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

119 65.6 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

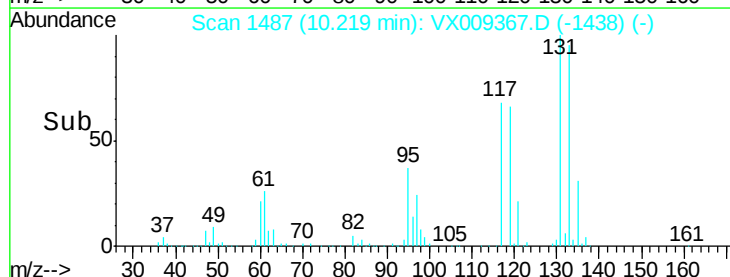
60000

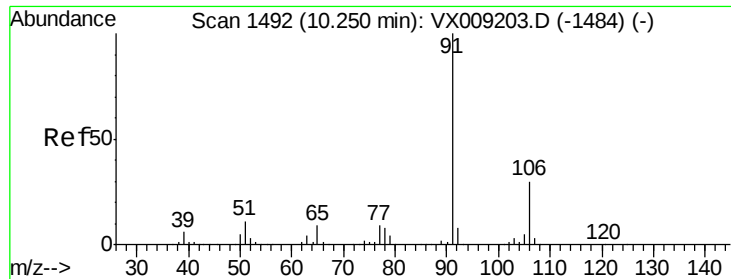
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 48.273 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 444657

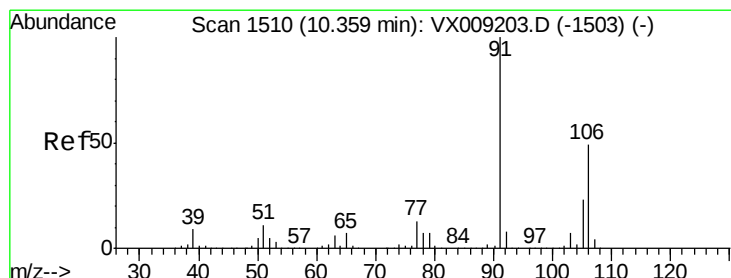
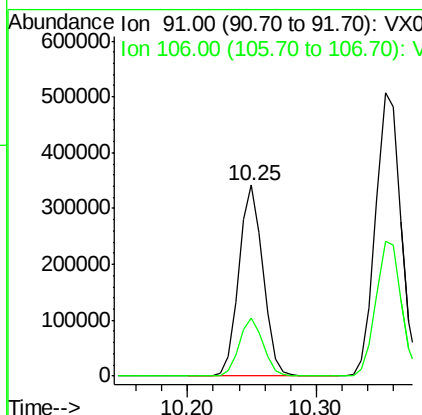
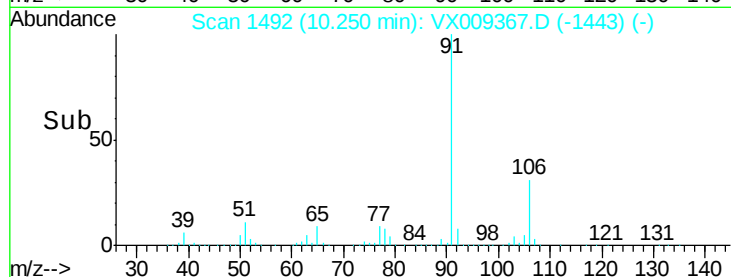
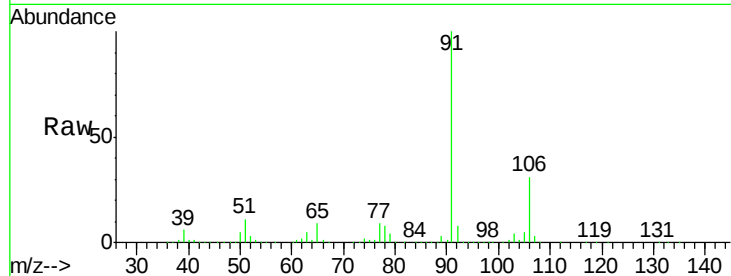
Ion Ratio Lower Upper

91 100

106 30.7 24.0 36.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 97.306 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009367.D

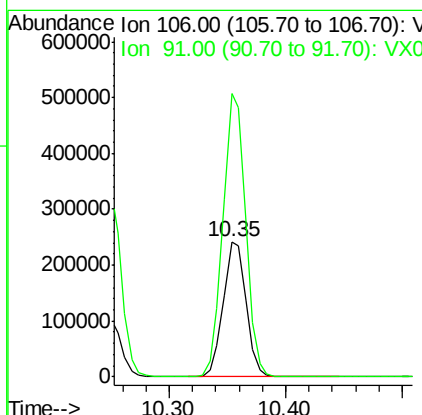
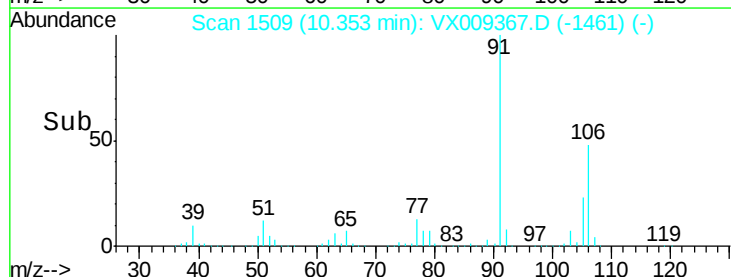
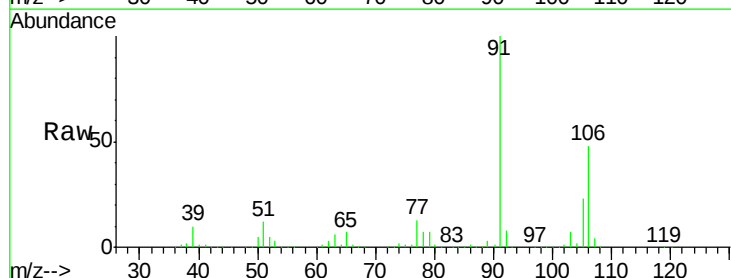
Acq: 07 May 2019 09:44

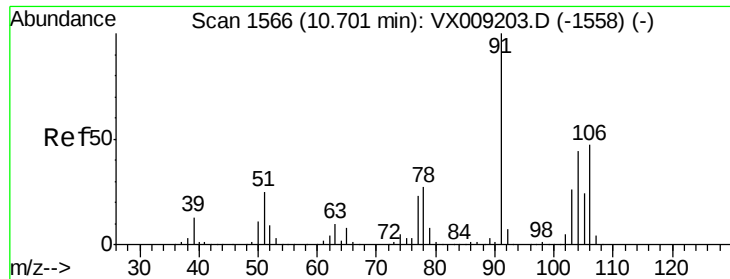
Tgt Ion: 106 Resp: 327539

Ion Ratio Lower Upper

106 100

91 208.9 164.0 246.0





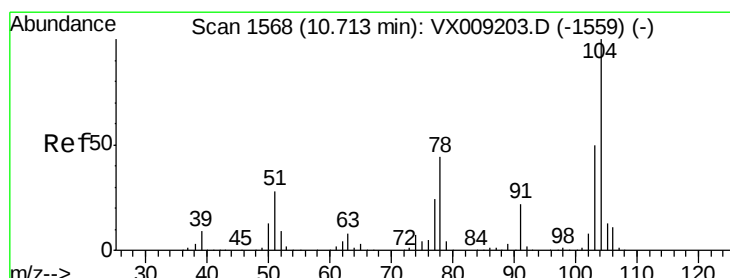
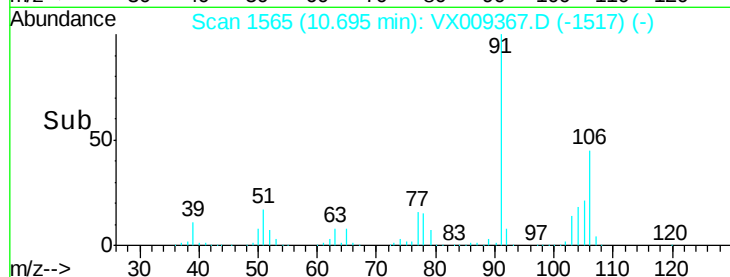
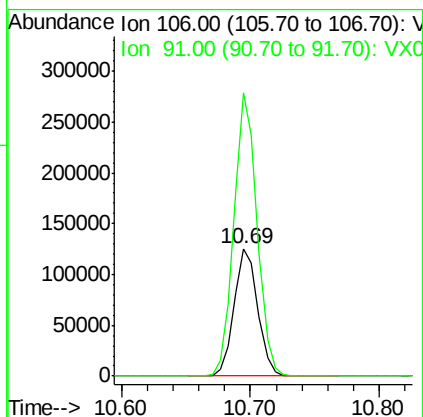
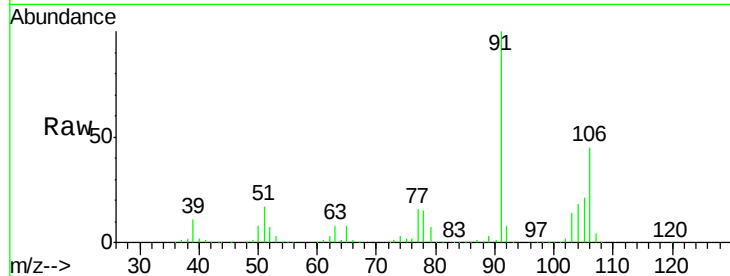
#69
o-Xylene
Concen: 48.237 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 160203
Ion Ratio Lower Upper
106 100
91 219.0 109.5 328.4

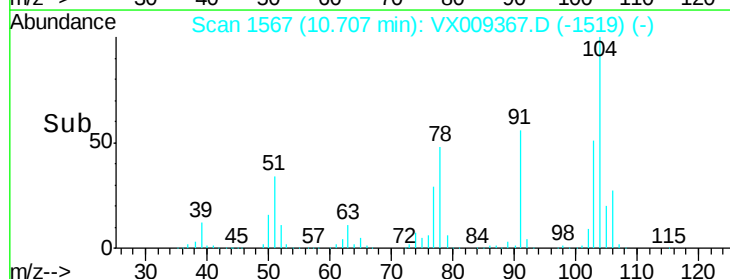
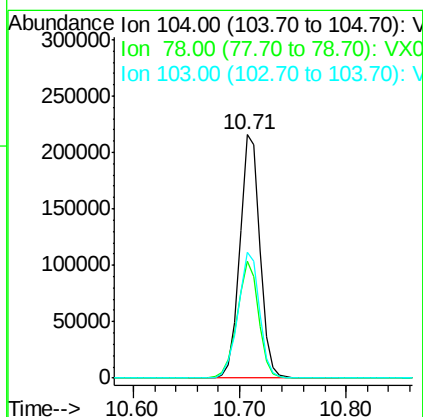
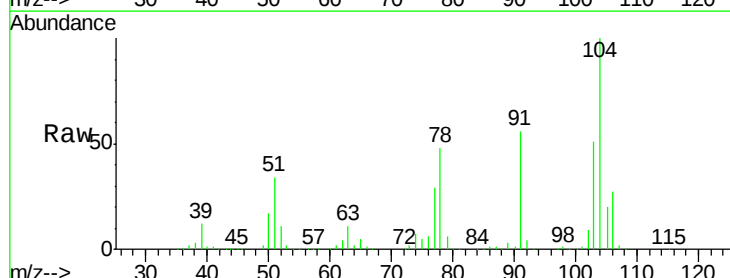
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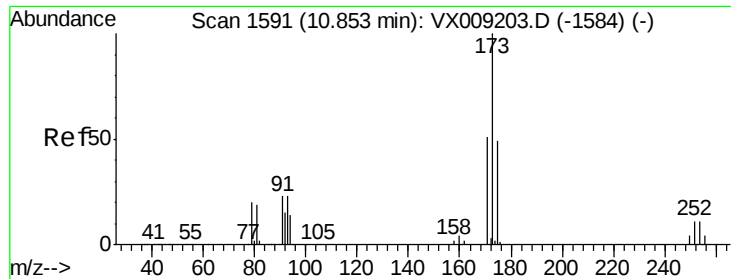
MMDadoda
5/8/2019 10:10:20 AM



#70
Styrene
Concen: 49.444 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion:104 Resp: 285410
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 49.954 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 73661

Ion Ratio Lower Upper

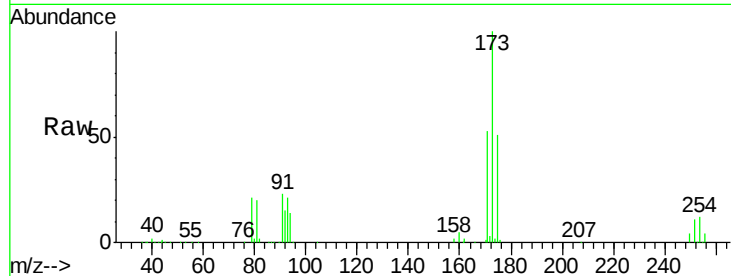
173 100

175 49.4 24.5 73.5

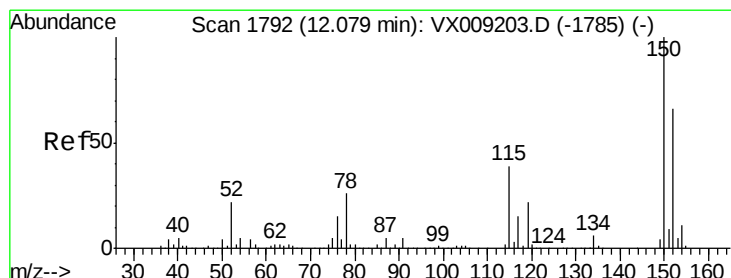
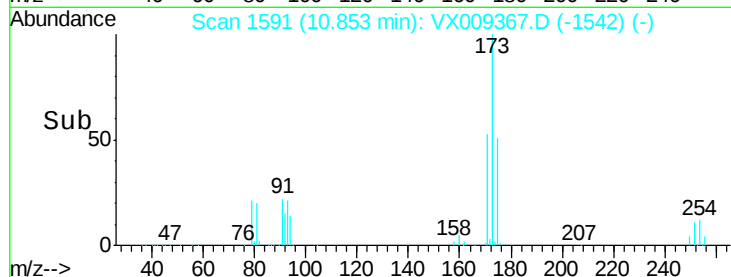
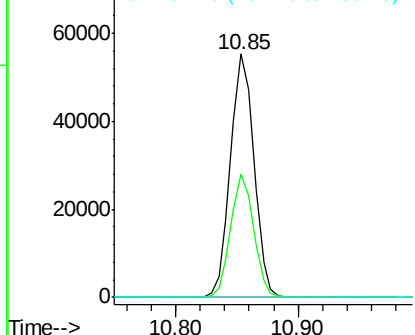
254 0.2 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

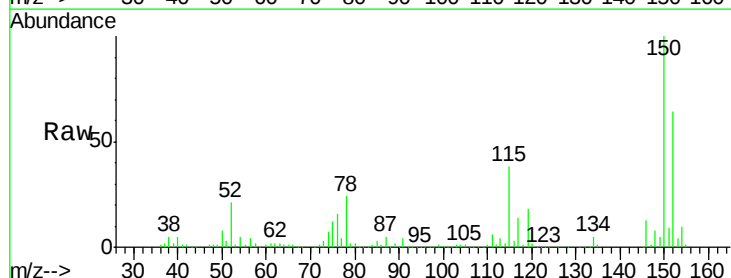
Tgt Ion:152 Resp: 129500

Ion Ratio Lower Upper

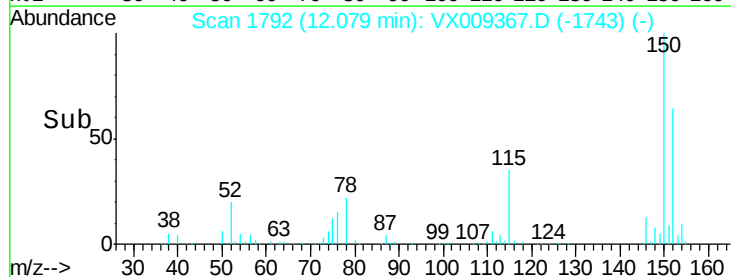
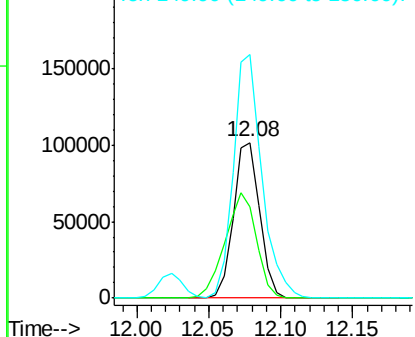
152 100

115 80.8 41.2 123.6

150 171.1 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: 46.243 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 435473

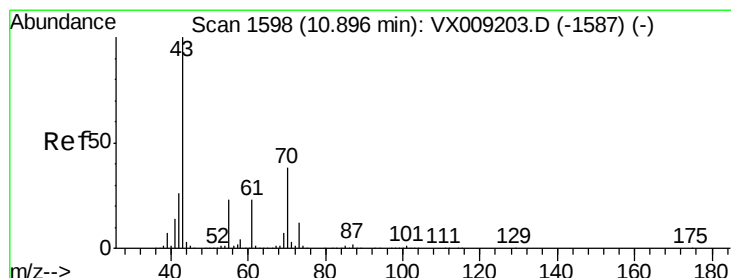
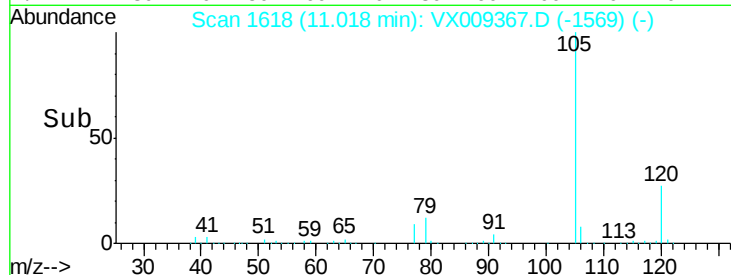
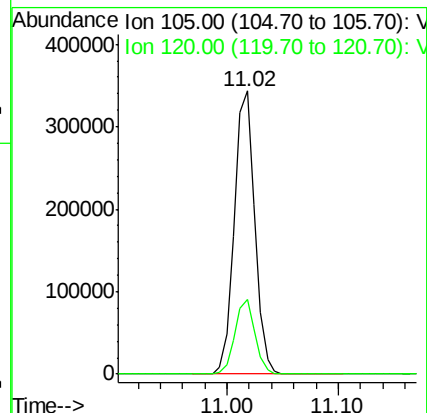
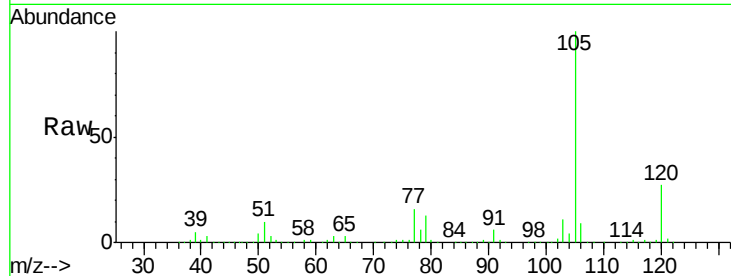
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3

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#74

N-ethyl acetate

Concen: 46.266 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion: 43 Resp: 254012

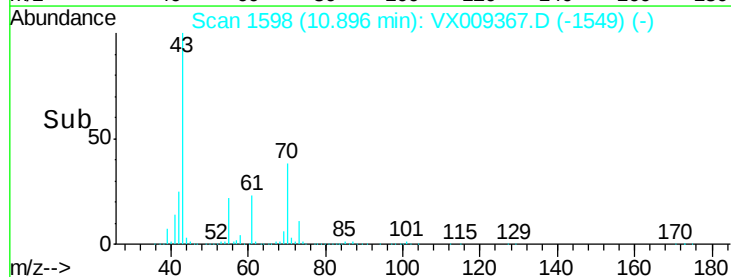
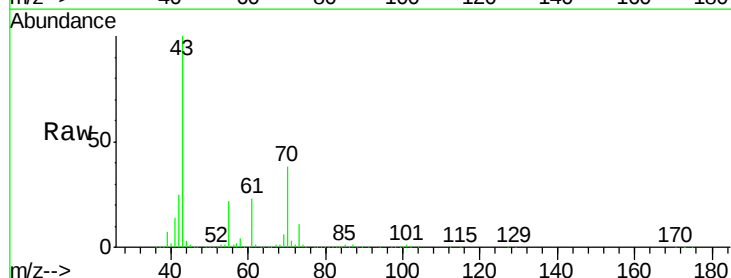
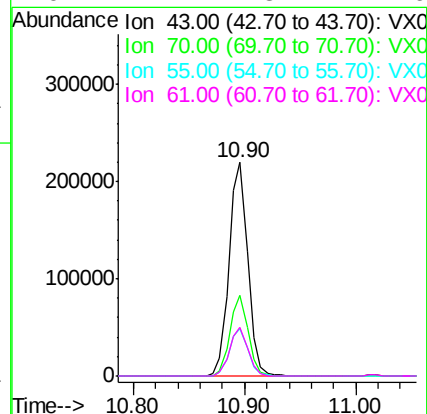
Ion Ratio Lower Upper

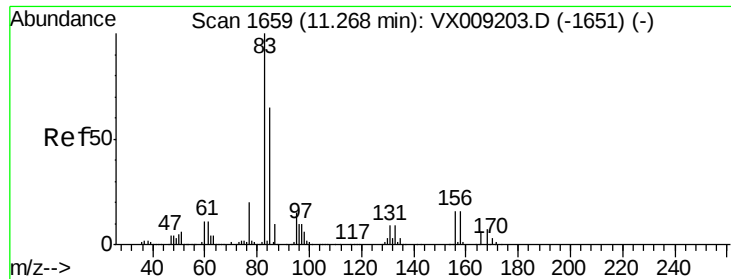
43 100

70 37.1 30.0 45.0

55 22.4 17.9 26.9

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.368 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 159268
Ion Ratio Lower Upper

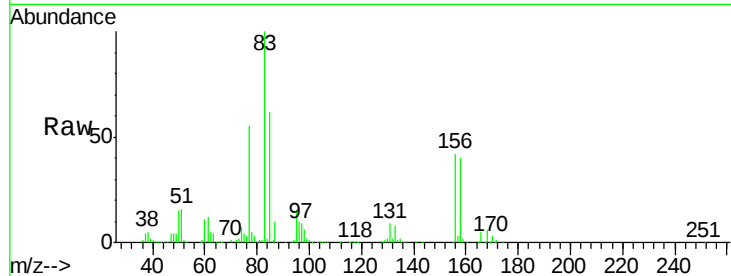
83 100

131 9.5 4.6 13.8

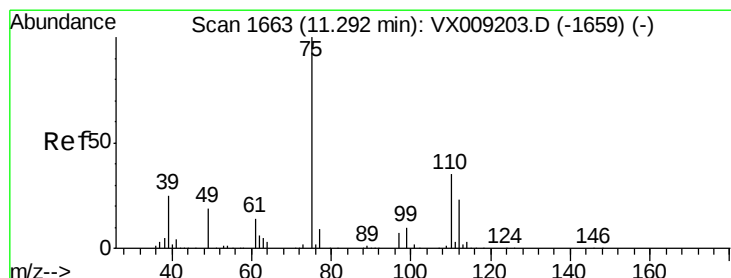
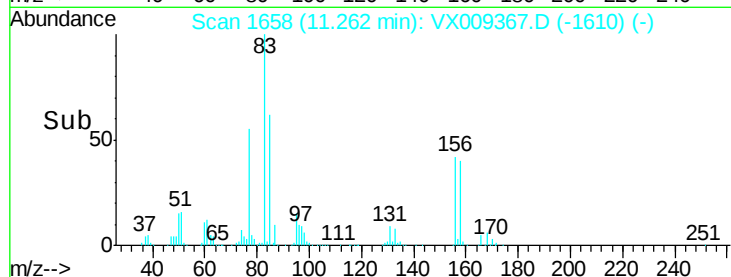
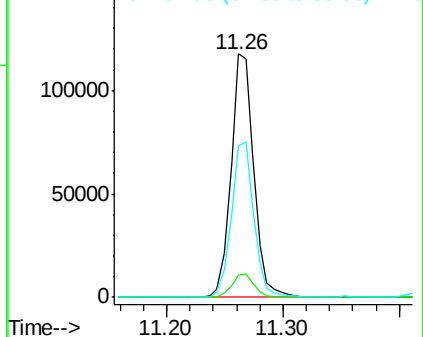
85 63.5 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX0
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.619 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

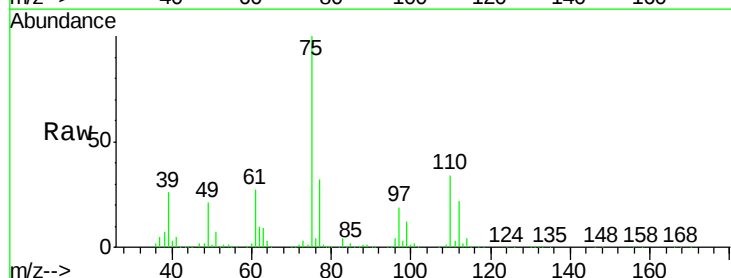
Lab File: VX009367.D

Acq: 07 May 2019 09:44

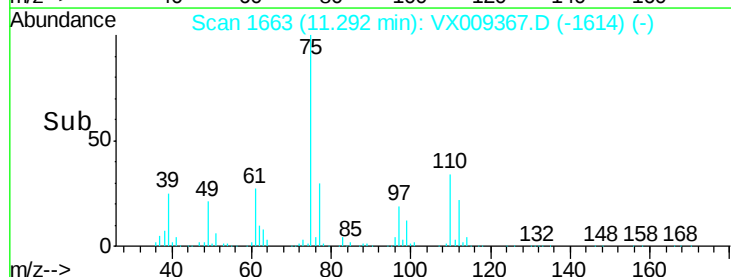
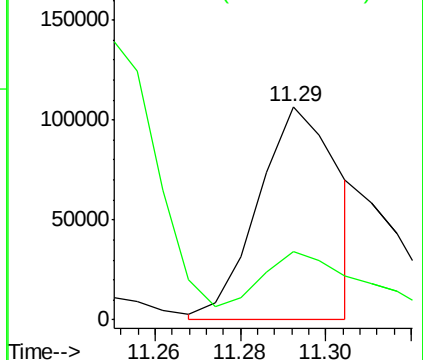
Tgt Ion: 75 Resp: 140039
Ion Ratio Lower Upper

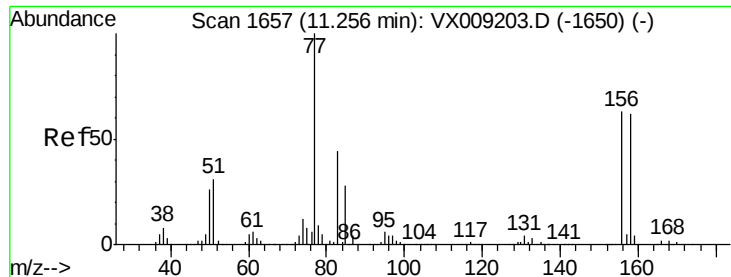
75 100

77 42.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.026 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 107579

Ion Ratio Lower Upper

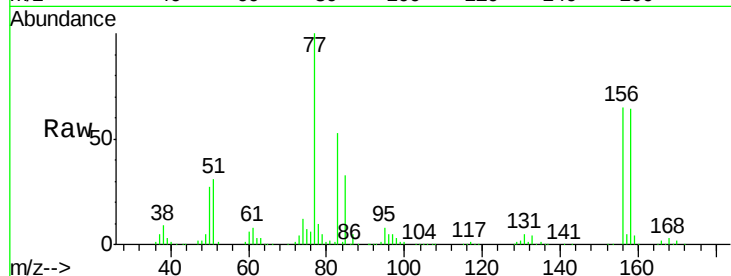
156 100

77 168.0 84.8 254.3

158 97.8 49.1 147.3

Manual Integrations
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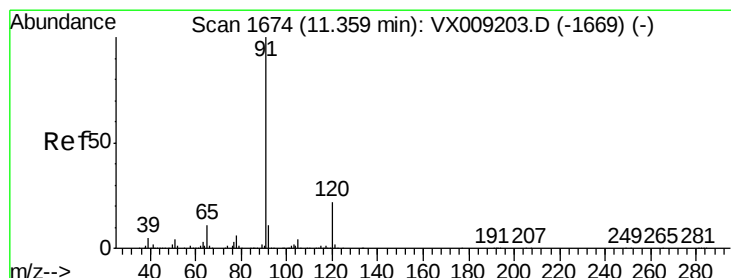
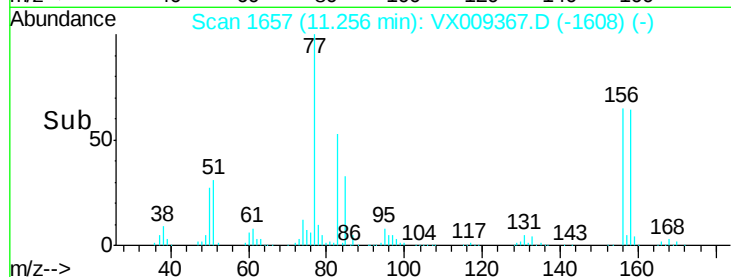
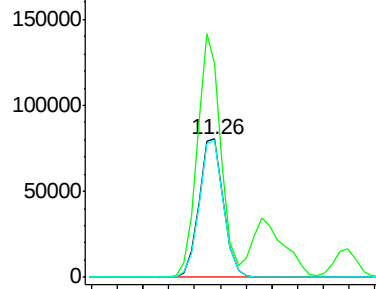
MMDadoda
5/8/2019 10:10:20 AM



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: 47.299 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009367.D

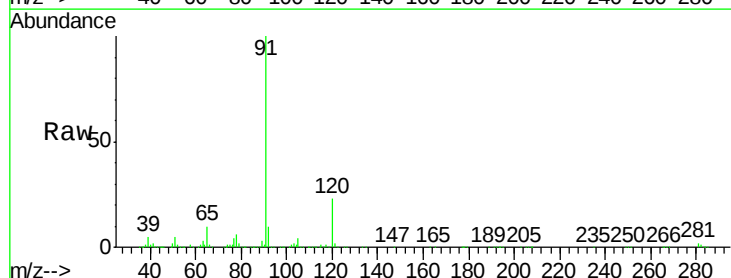
Acq: 07 May 2019 09:44

Tgt Ion: 91 Resp: 508687

Ion Ratio Lower Upper

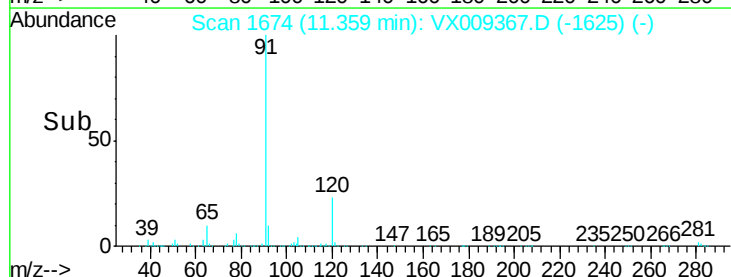
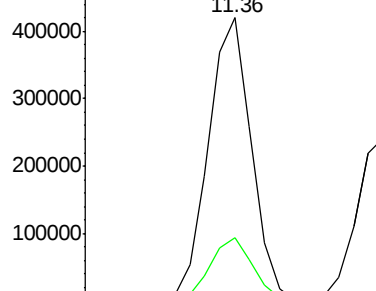
91 100

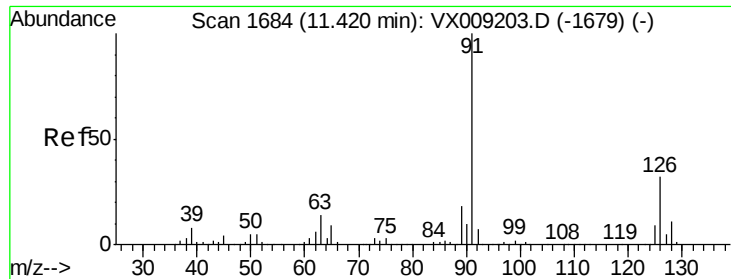
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.483 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 301787

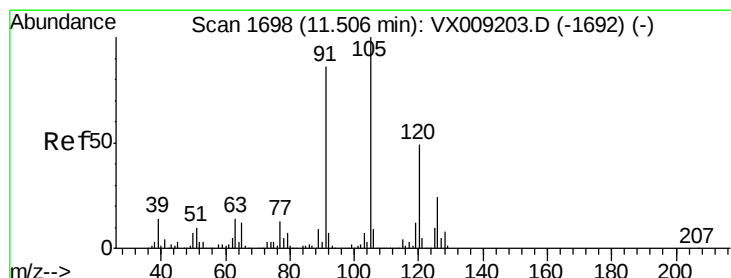
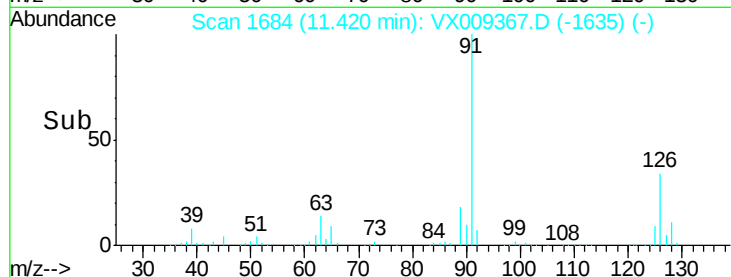
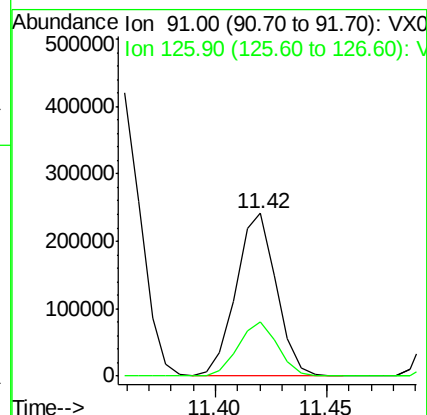
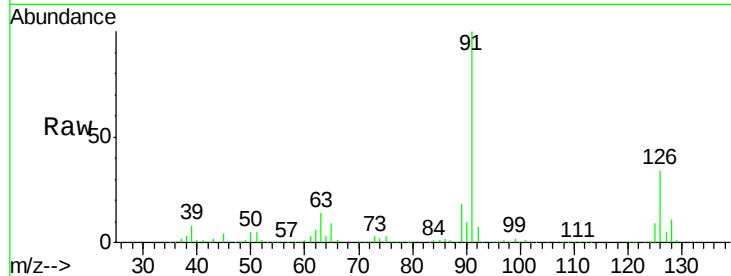
Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 46.843 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009367.D

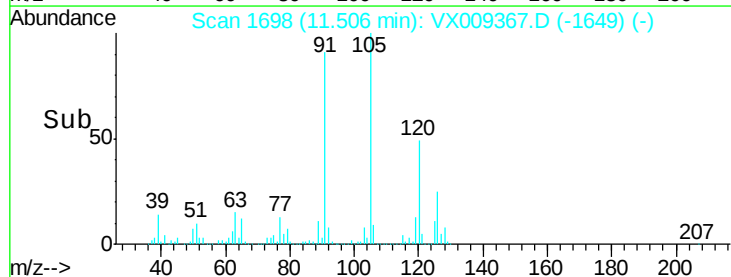
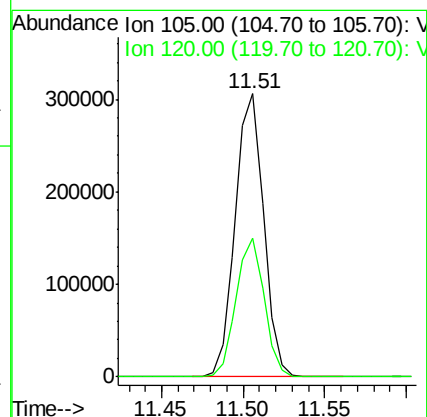
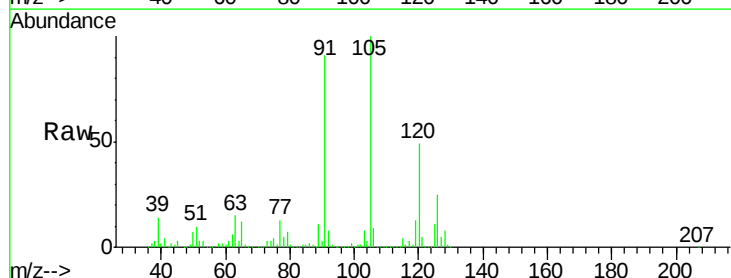
Acq: 07 May 2019 09:44

Tgt Ion: 105 Resp: 371429

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9





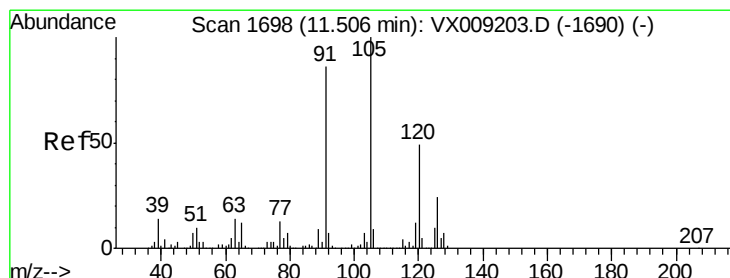
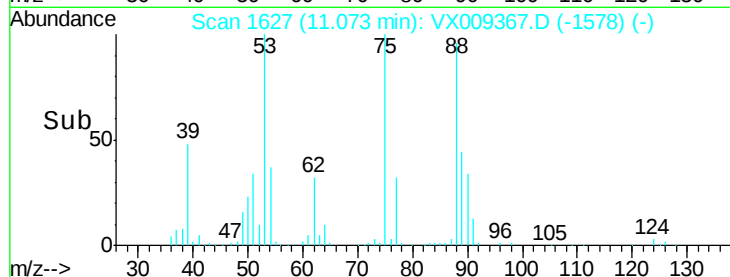
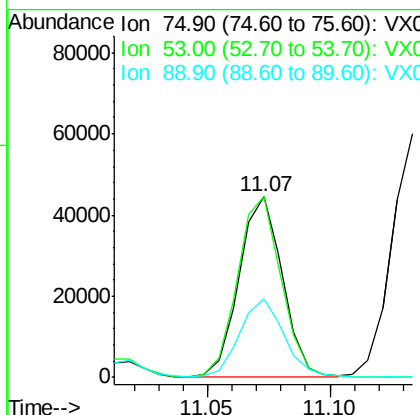
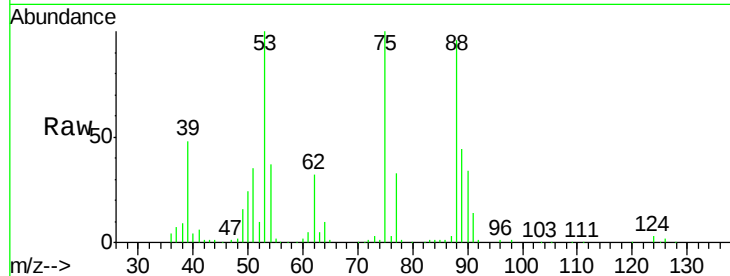
#81
trans-1,4-Dichloro-2-butene
Concen: 46.362 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	79.0	118.6
89	45.4	34.7	52.1

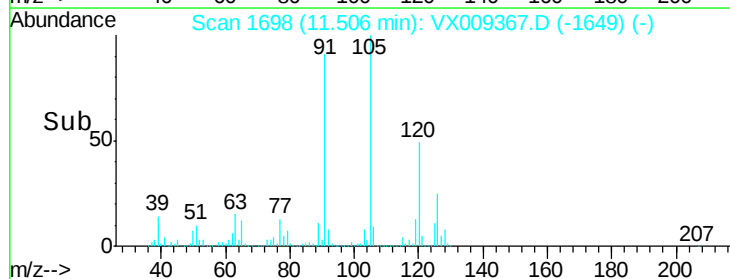
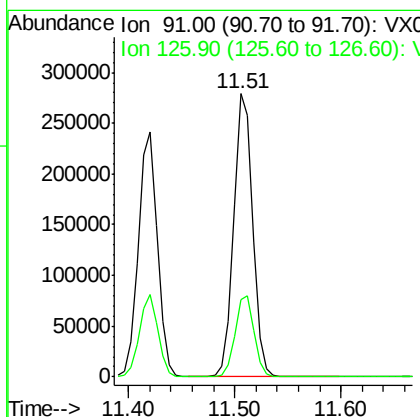
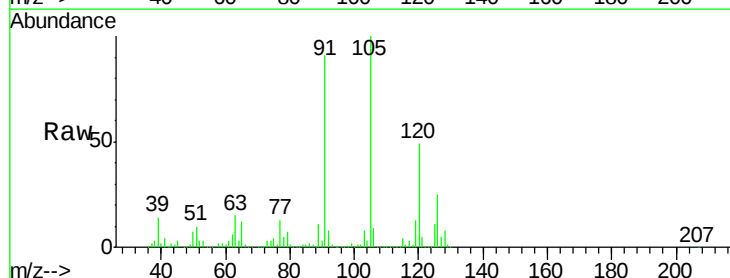
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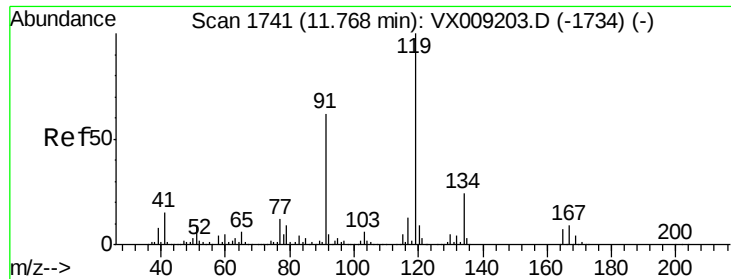
MMDadoda
5/8/2019 10:10:20 AM



#82
4-Chlorotoluene
Concen: 46.749 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.5	43.6





#83

tert-Butylbenzene

Concen: 46.950 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

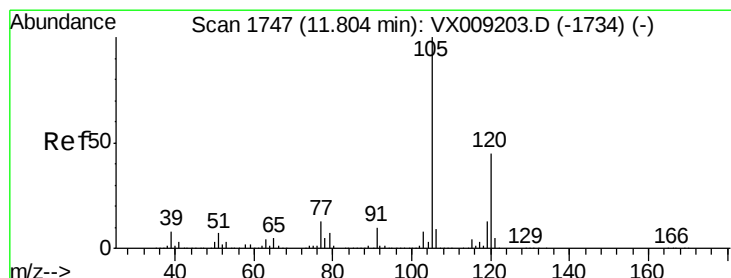
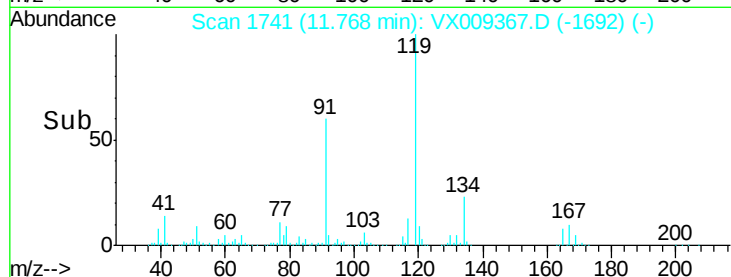
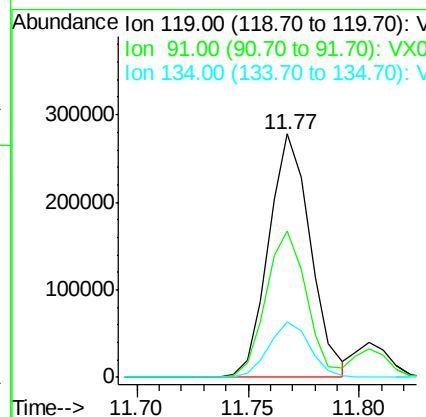
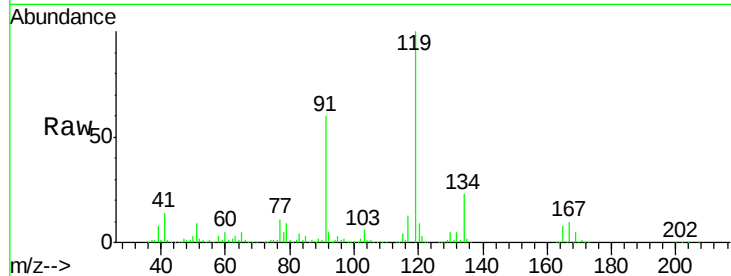
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	362152
Ion Ratio	Lower	Upper	
119	100		
91	58.9	29.5	88.5
134	22.2	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.170 ug/l

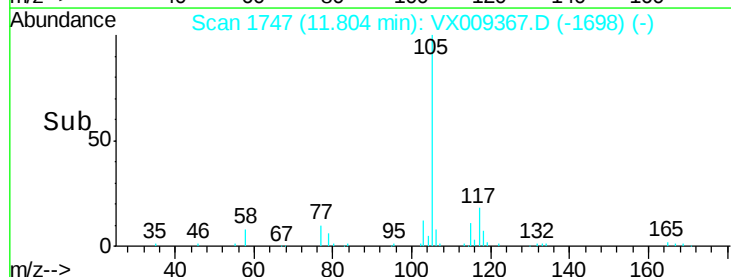
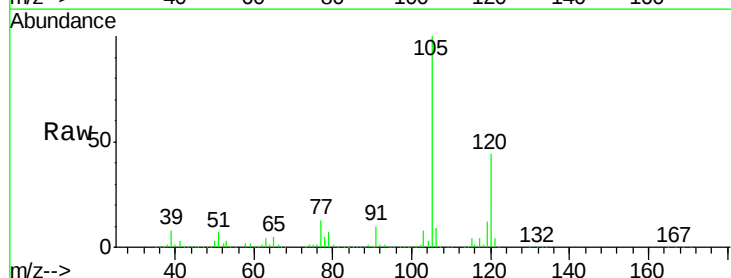
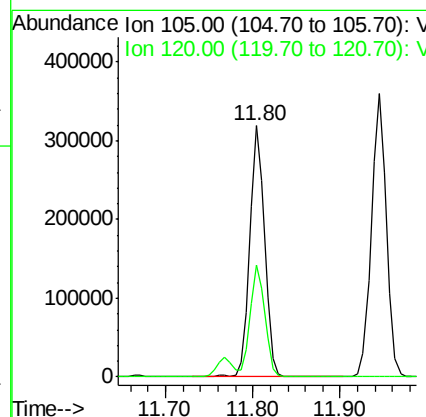
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	105	Resp:	375425
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 47.415 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 433605

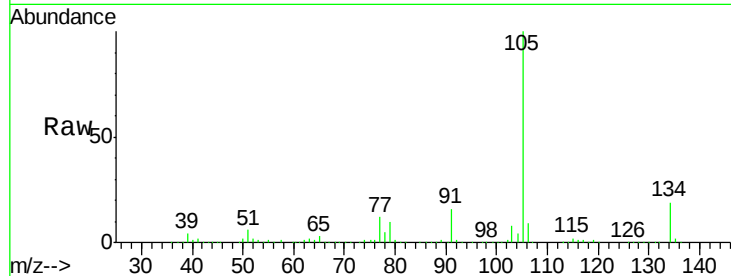
Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9

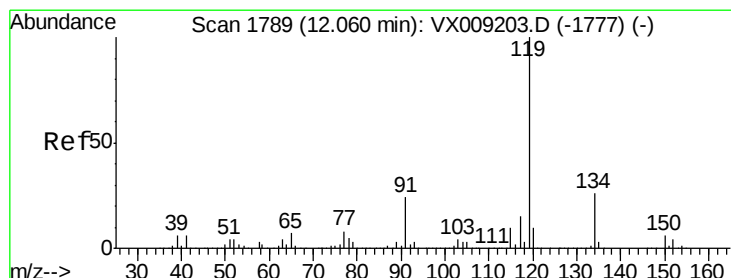
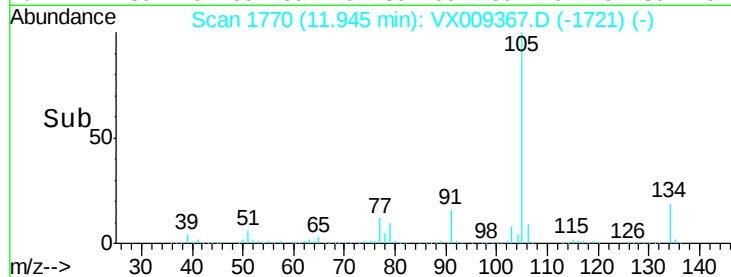
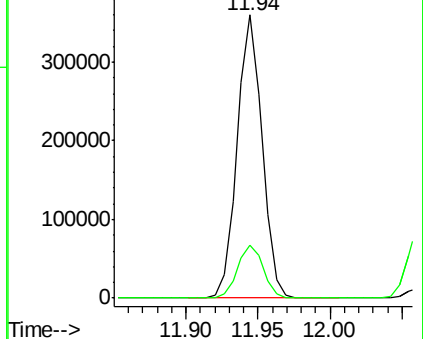
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.538 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

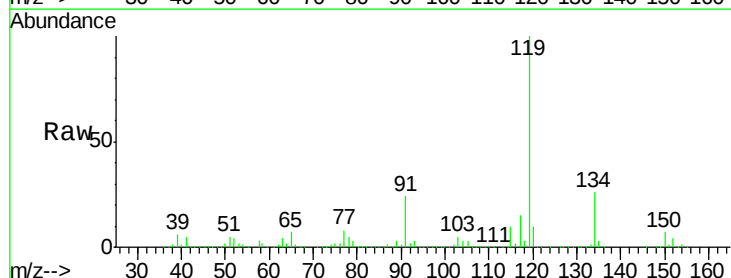
Tgt Ion:119 Resp: 399045

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

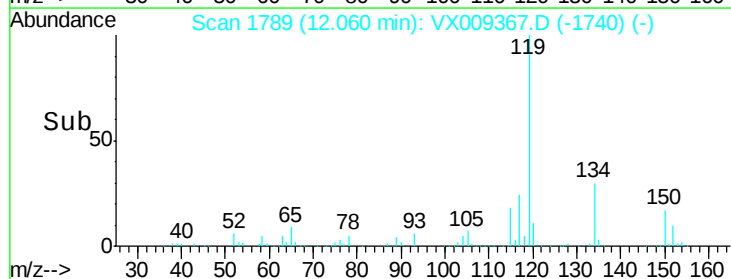
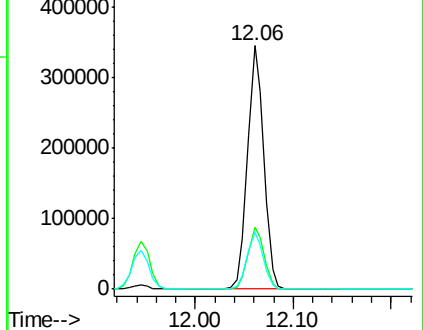
91 23.6 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.200 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Instrument :

MSVOA_X

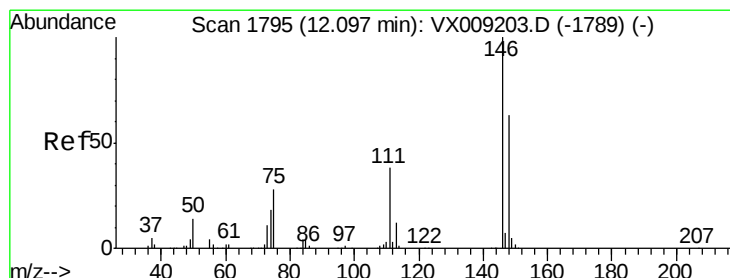
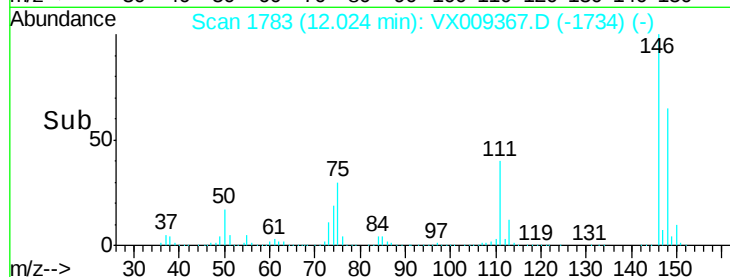
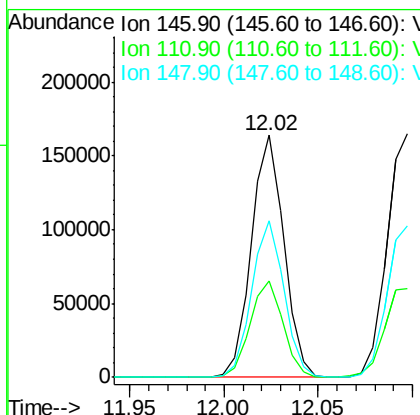
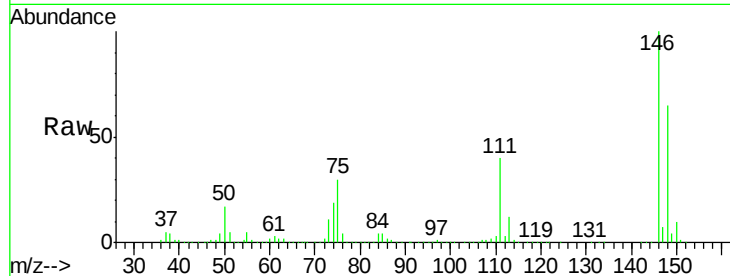
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	196672
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	64.2	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.436 ug/l

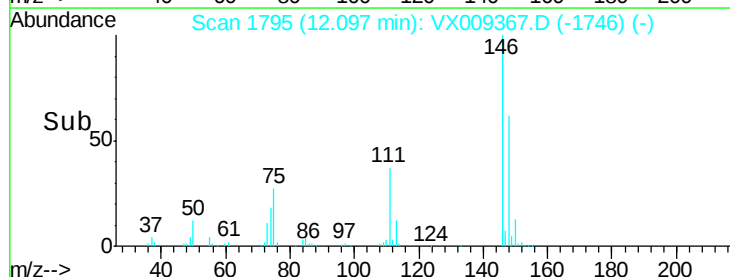
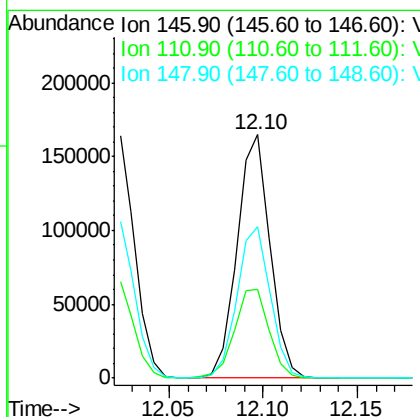
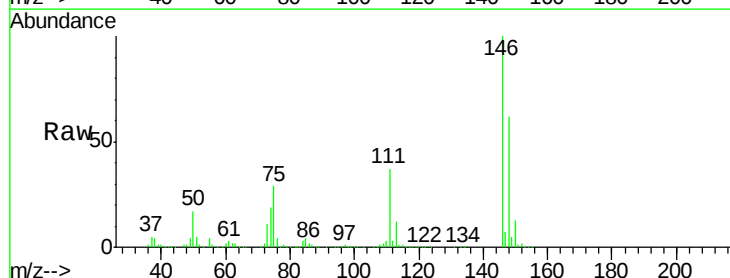
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009367.D

Acq: 07 May 2019 09:44

Tgt Ion:	146	Resp:	199273
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.6	58.8
148	63.3	31.8	95.3





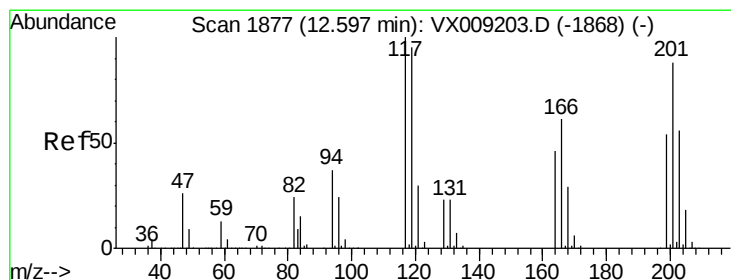
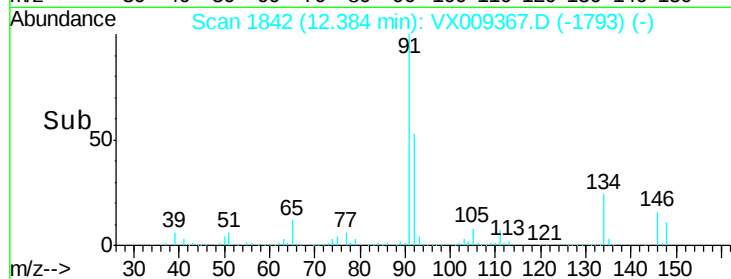
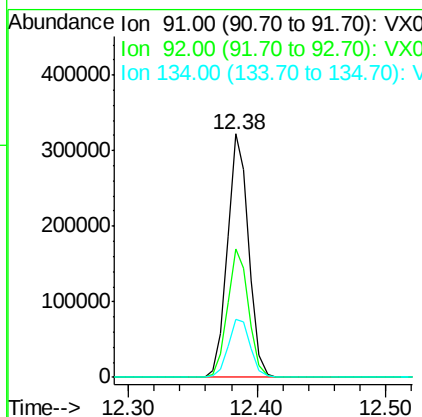
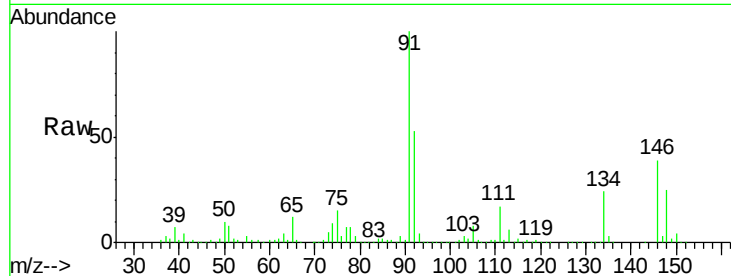
#89
n-Butylbenzene
Concen: 49.993 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 371478
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.5
134 25.0 12.4 37.2

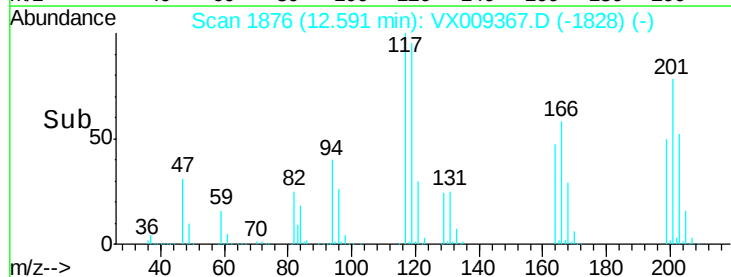
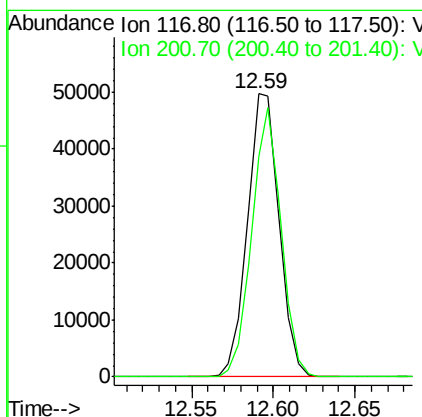
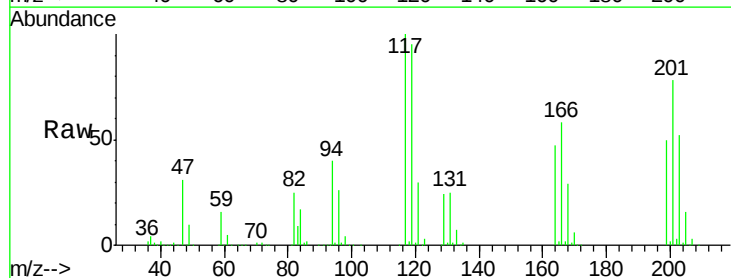
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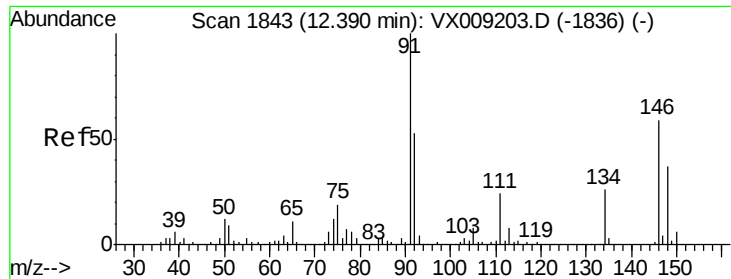
MMDadoda
5/8/2019 10:10:20 AM



#90
Hexachloroethane
Concen: 47.979 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion: 117 Resp: 67200
Ion Ratio Lower Upper
117 100
201 87.8 42.3 126.9





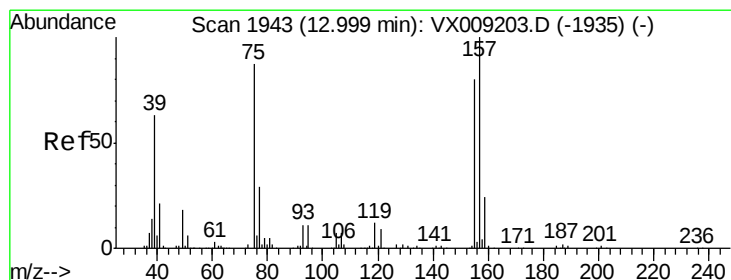
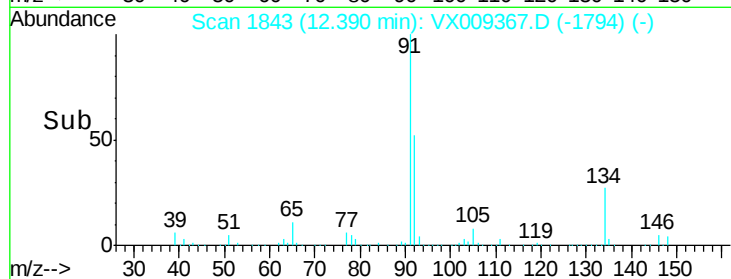
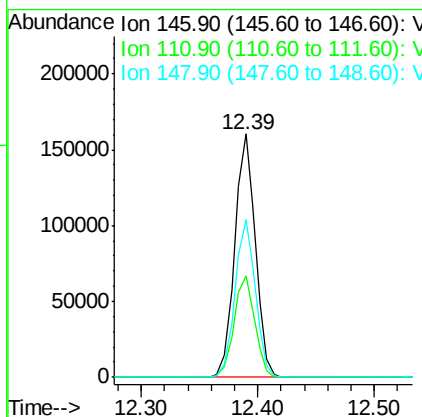
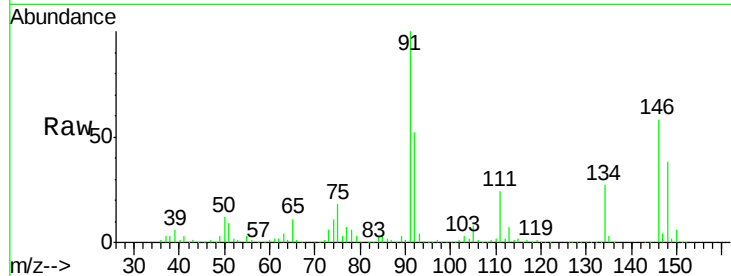
#91
 1,2-Dichlorobenzene
 Concen: 46.466 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	64.2	31.9	95.9

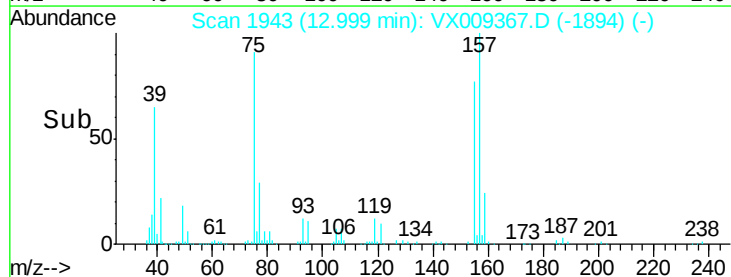
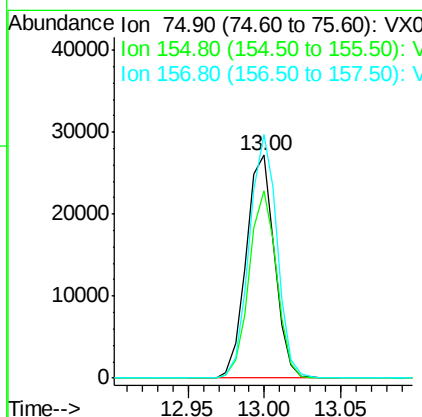
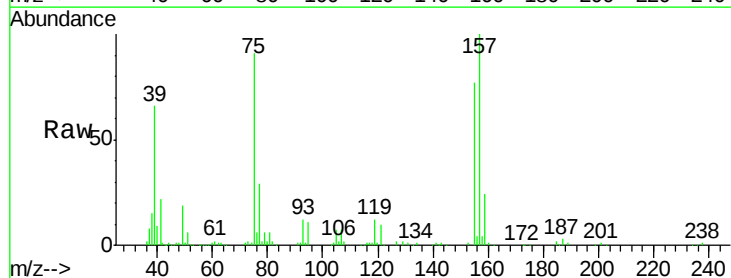
Manual Integrations
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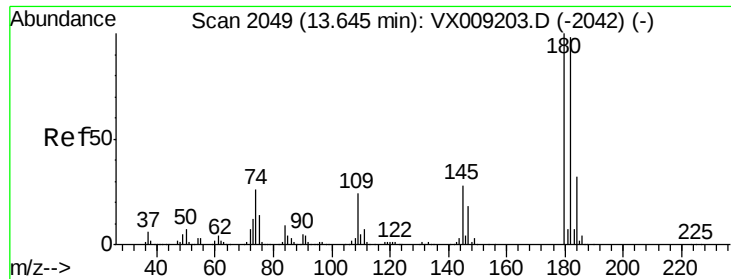
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 5/8/2019 10:10:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.509 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	42.0	126.0
157	106.3	53.2	159.6





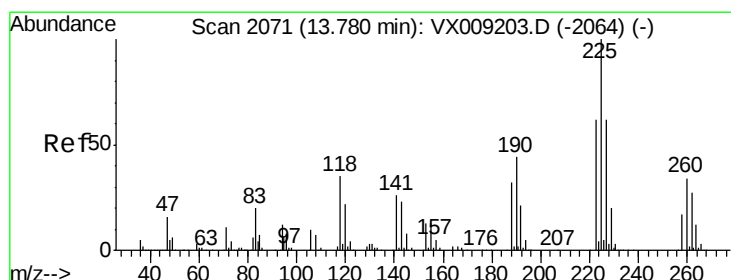
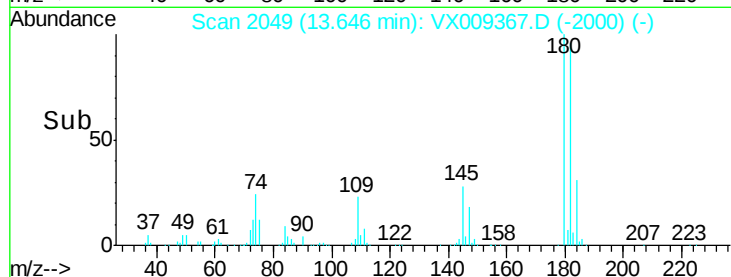
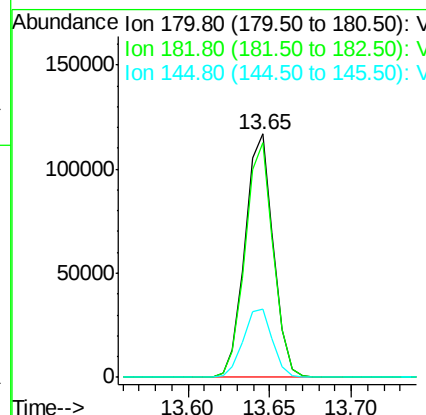
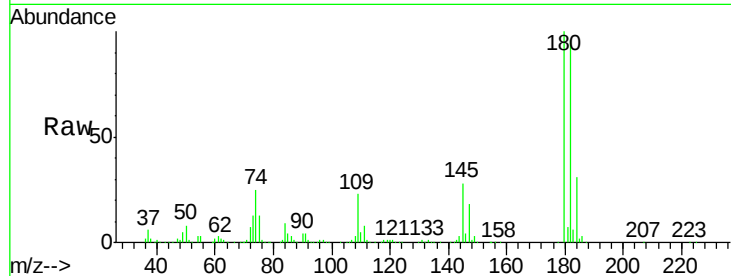
#93
 1,2,4-Trichlorobenzene
 Concen: 48.743 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.2
145	29.1	14.6	43.8

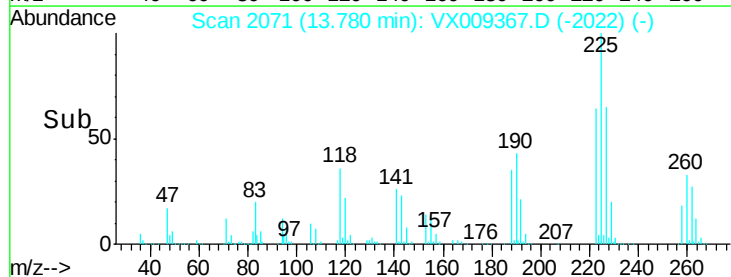
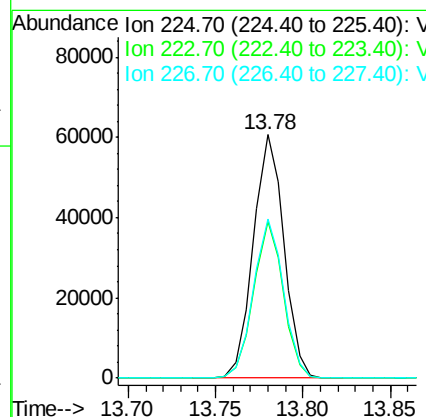
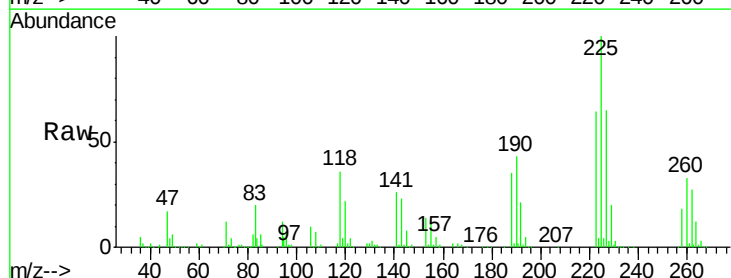
Manual Integrations
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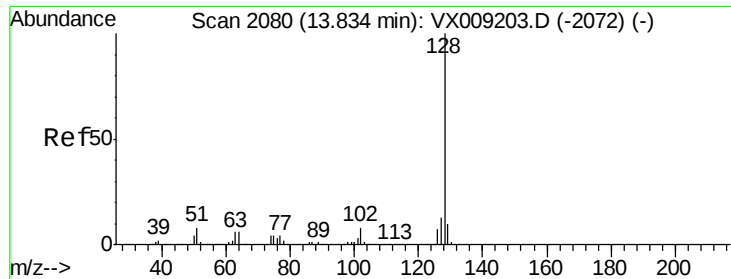
MMDadoda
 5/8/2019 10:10:20 AM



#94
 Hexachlorobutadiene
 Concen: 49.668 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009367.D
 Acq: 07 May 2019 09:44

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





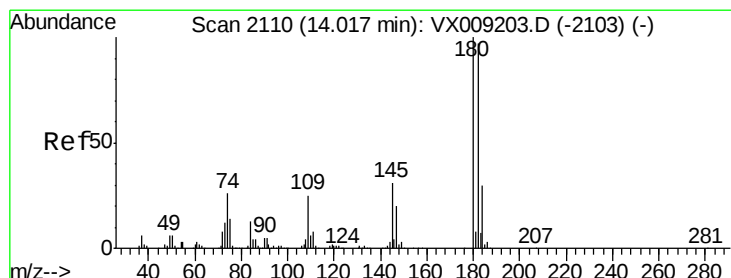
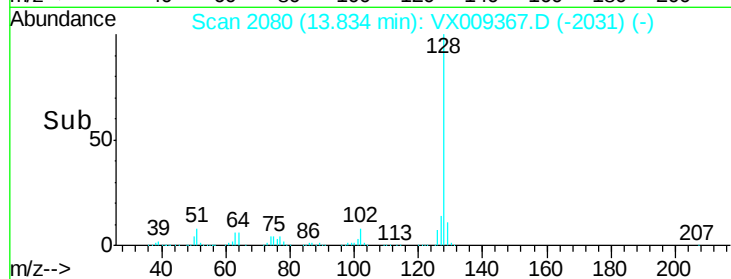
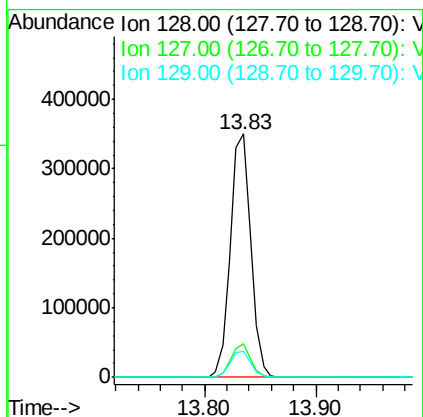
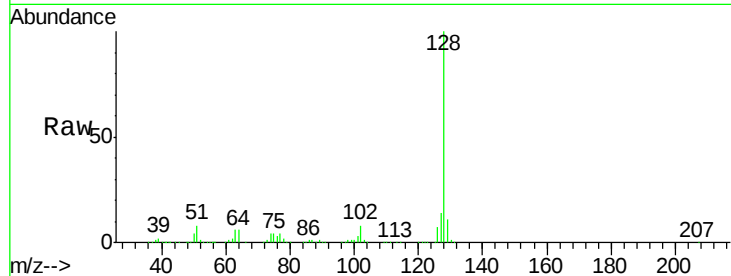
#95
Naphthalene
Concen: 47.079 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:10:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.960 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009367.D
Acq: 07 May 2019 09:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.4
145	31.0	15.4	46.4

