

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009928.D
 Acq On : 29 May 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 30 01:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124059	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115607	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	5.49	113	83110	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	8.71	98	344937	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	126484	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	116809	54.838	ug/l	99
3) Chloromethane	1.32	50	140188	48.955	ug/l	99
4) Vinyl Chloride	1.41	62	126245	48.905	ug/l	100
5) Bromomethane	1.64	94	70591	45.134	ug/l	96
6) Chloroethane	1.71	64	72332	45.518	ug/l	98
7) Trichlorofluoromethane	1.93	101	139217	48.803	ug/l	99
8) Diethyl Ether	2.19	74	58387	43.556	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83887	48.708	ug/l	100
10) Methyl Iodide	2.51	142	100643	47.454	ug/l	98
11) Tert butyl alcohol	3.05	59	132959	219.413	ug/l	99
12) 1,1-Dichloroethene	2.37	96	81569	46.206	ug/l	97
13) Acrolein	2.29	56	89745	212.401	ug/l	99
14) Allyl chloride	2.73	41	206384	48.101	ug/l	99
15) Acrylonitrile	3.14	53	331909	227.322	ug/l	100
16) Acetone	2.45	43	395226	277.805	ug/l	99
17) Carbon Disulfide	2.57	76	257706	48.225	ug/l	100
18) Methyl Acetate	2.77	43	148573	44.881	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	310788	46.631	ug/l	100
20) Methylene Chloride	2.85	84	100504	46.131	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	89691	45.662	ug/l	98
22) Diisopropyl ether	3.85	45	390638	47.850	ug/l	89
23) Vinyl Acetate	3.81	43	1752053	238.899	ug/l	99
24) 1,1-Dichloroethane	3.70	63	185615	46.917	ug/l	100
25) 2-Butanone	4.67	43	551075	248.624	ug/l	100
26) 2,2-Dichloropropane	4.57	77	143695	48.014	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	101892	44.939	ug/l	99
28) Bromochloromethane	5.01	49	94883	46.216	ug/l	99
29) Tetrahydrofuran	5.12	42	326614	229.790	ug/l	100
30) Chloroform	5.21	83	167726	47.008	ug/l	97
31) Cyclohexane	5.57	56	189113	50.469	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	141619	48.737	ug/l	100
36) 1,1-Dichloropropene	5.79	75	134053	48.455	ug/l	100
37) Ethyl Acetate	4.83	43	187232	48.570	ug/l	100
38) Carbon Tetrachloride	5.78	117	119496	49.984	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170889	52.074	ug/l	99
40) Benzene	6.14	78	398999	48.618	ug/l	100
41) Methacrylonitrile	5.04	41	104987	46.609	ug/l	98
42) 1,2-Dichloroethane	6.19	62	145628	47.998	ug/l	100
43) Isopropyl Acetate	6.44	43	291881	46.926	ug/l	100
44) Trichloroethene	7.21	130	95384	47.848	ug/l	97
45) 1,2-Dichloropropane	7.51	63	112850	47.768	ug/l	98
46) Dibromomethane	7.66	93	64441	46.340	ug/l	99
47) Bromodichloromethane	7.90	83	131763	49.827	ug/l	99
48) Methyl methacrylate	7.77	41	151356	49.156	ug/l	99
49) 1,4-Dioxane	7.74	88	52354	914.091	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	978194	241.757	ug/l	100
52) Toluene	8.78	92	246094	49.387	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	156533	49.357	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	170061	49.215	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	95670	47.702	ug/l	97
56) Ethyl methacrylate	9.18	69	178346	49.950	ug/l	99
57) 1,3-Dichloropropane	9.37	76	172531	47.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	464598	248.144	ug/l	100
59) 2-Hexanone	9.49	43	786192	252.376	ug/l	100
60) Dibromochloromethane	9.58	129	98363	49.858	ug/l	100
61) 1,2-Dibromoethane	9.67	107	98805	47.954	ug/l	100
64) Tetrachloroethene	9.34	164	87754	50.891	ug/l	98
65) Chlorobenzene	10.13	112	250938	48.555	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	90399	50.431	ug/l	100
67) Ethyl Benzene	10.25	91	477347	51.441	ug/l	100
68) m/p-Xylenes	10.36	106	347318	101.313	ug/l	100
69) o-Xylene	10.69	106	166871	50.755	ug/l	100
70) Styrene	10.71	104	296921	51.503	ug/l	99
71) Bromoform	10.85	173	75995	51.866	ug/l	98
73) Isopropylbenzene	11.02	105	454939	49.702	ug/l	100
74) N-amyl acetate	10.90	43	266709	48.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	159996	46.853	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	194425	65.537	ug/l	81
77) Bromobenzene	11.26	156	111622	47.851	ug/l	98
78) n-propylbenzene	11.36	91	535621	50.766	ug/l	99
79) 2-Chlorotoluene	11.42	91	313660	48.658	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	387888	50.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58153	48.499	ug/l	98
82) 4-Chlorotoluene	11.51	91	367100	48.920	ug/l	100
83) tert-Butylbenzene	11.77	119	367781	49.852	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	388237	49.575	ug/l	99
85) sec-Butylbenzene	11.94	105	449238	51.185	ug/l	100
86) p-Isopropyltoluene	12.06	119	409544	51.877	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	201829	48.599	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	200693	47.385	ug/l	99
89) n-Butylbenzene	12.38	91	385969	52.023	ug/l	99
90) Hexachloroethane	12.59	117	70324	51.908	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	197412	48.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35663	44.368	ug/l	97

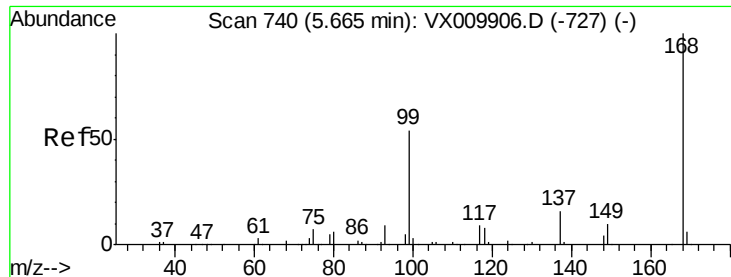
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052919\
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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	142579	48.728	ug/l	99
94) Hexachlorobutadiene	13.78	225	75168	51.217	ug/l	100
95) Naphthalene	13.83	128	437628	48.061	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139518	47.635	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: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

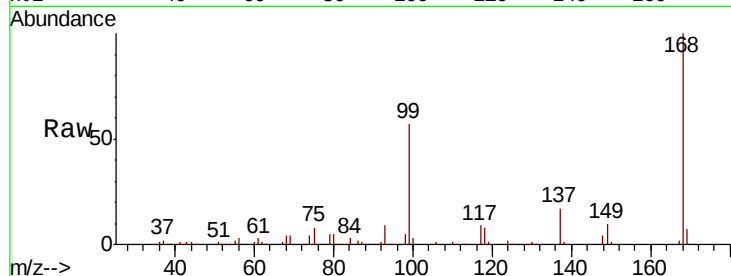
VSTDCCC050

Tot Ion:168 Resp: 174313

Ion Ratio Lower Upper

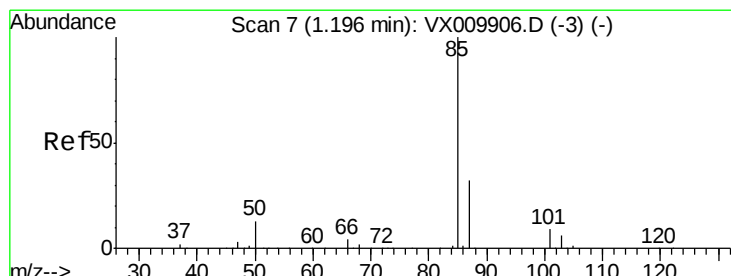
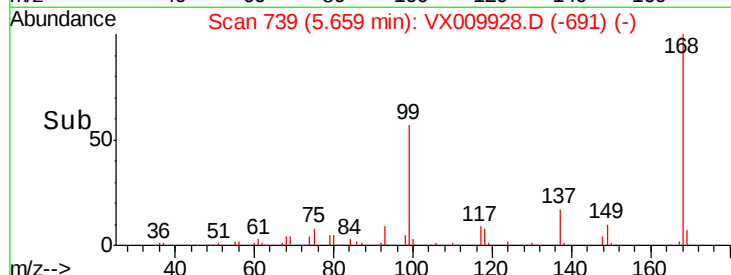
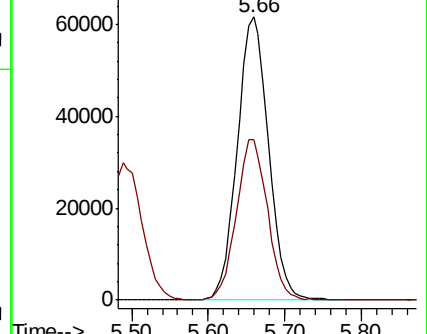
168 100

99 56.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 54.838 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009928.D

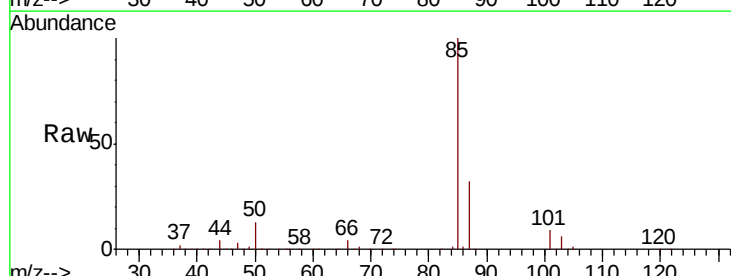
Acq: 29 May 2019 10:08

Tgt Ion: 85 Resp: 116809

Ion Ratio Lower Upper

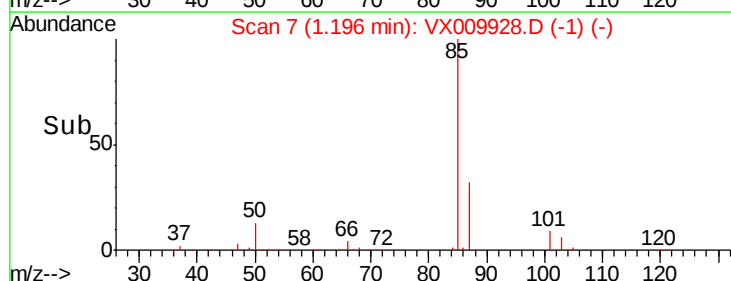
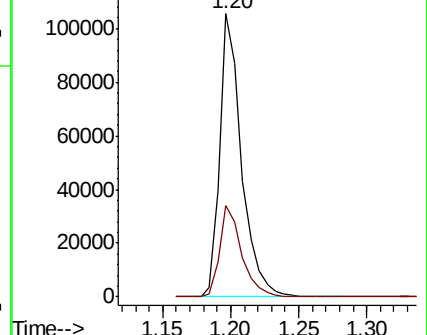
85 100

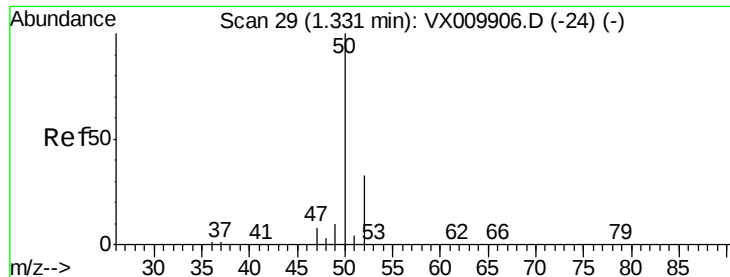
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.955 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

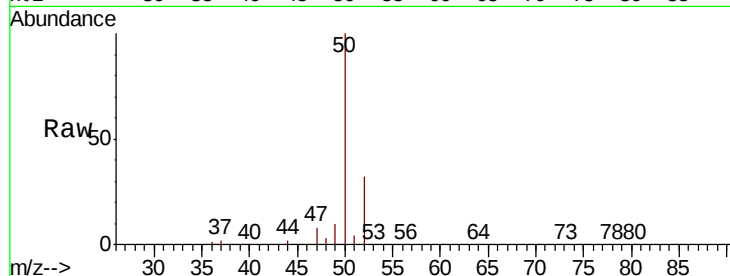
VSTDCCC050

Tot Ion: 50 Resp: 140188

Ion Ratio Lower Upper

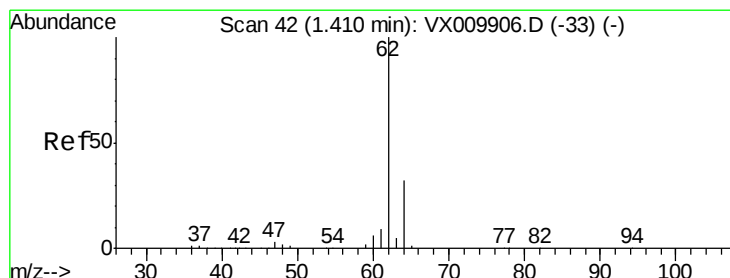
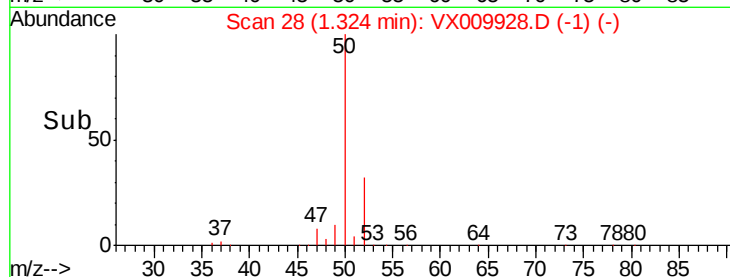
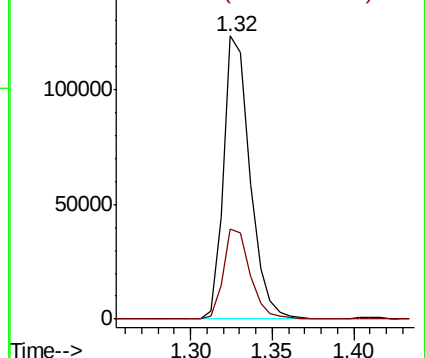
50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.905 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009928.D

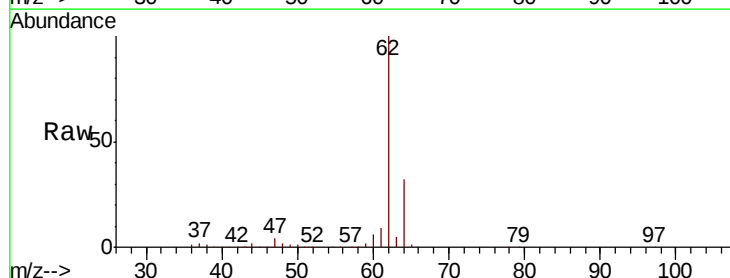
Acq: 29 May 2019 10:08

Tgt Ion: 62 Resp: 126245

Ion Ratio Lower Upper

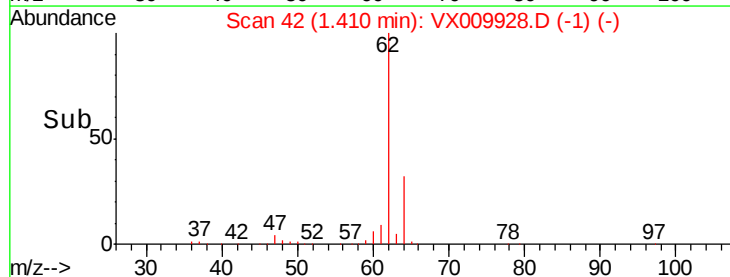
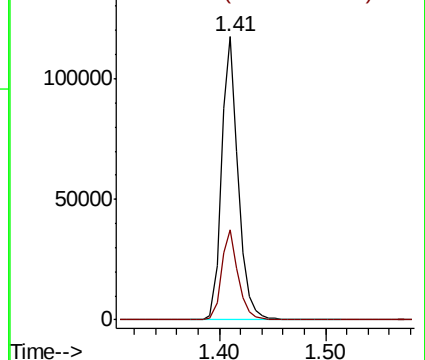
62 100

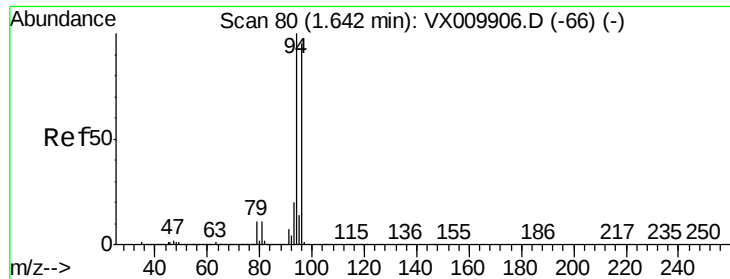
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.134 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

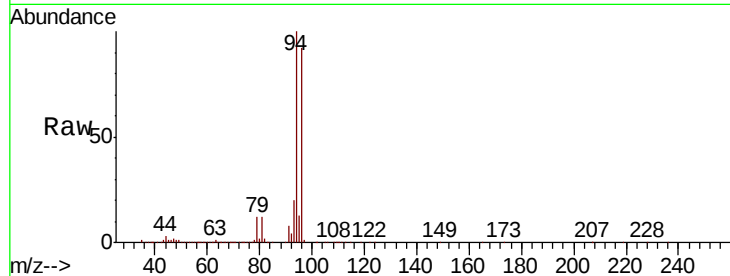
VSTDCCC050

Tot Ion: 94 Resp: 70591

Ion Ratio Lower Upper

94 100

96 91.8 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

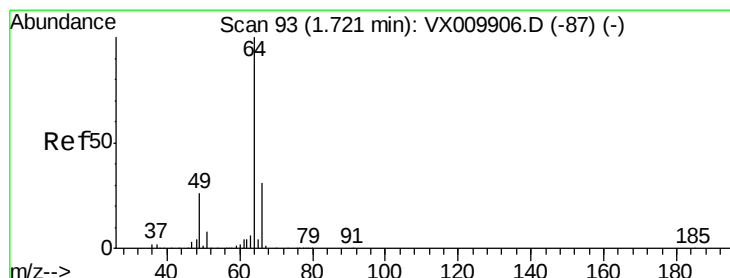
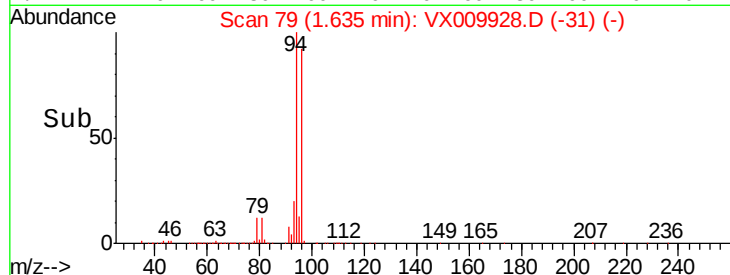
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 45.518 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009928.D

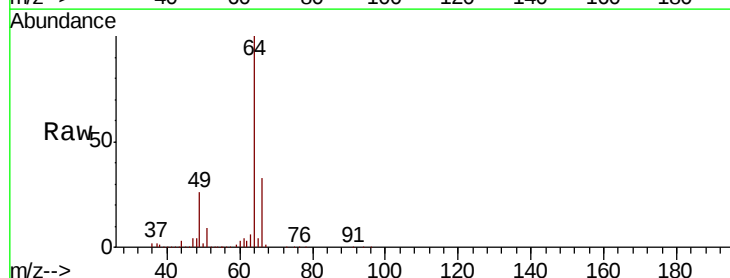
Acq: 29 May 2019 10:08

Tgt Ion: 64 Resp: 72332

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

50000

40000

30000

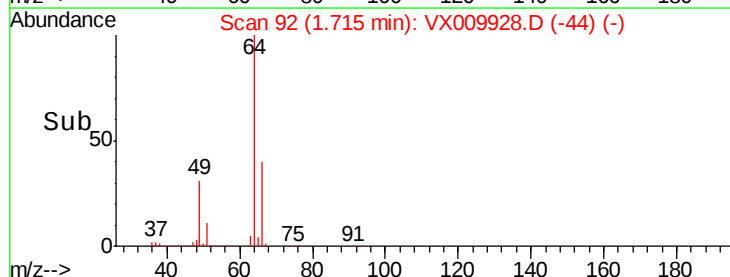
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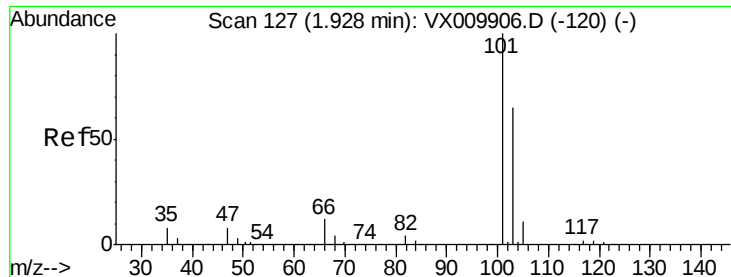
10000

0

Time-->

1.60 1.70 1.80 1.90





#7

Trichlorofluoromethane

Concen: 48.803 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

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ClientSampleId :

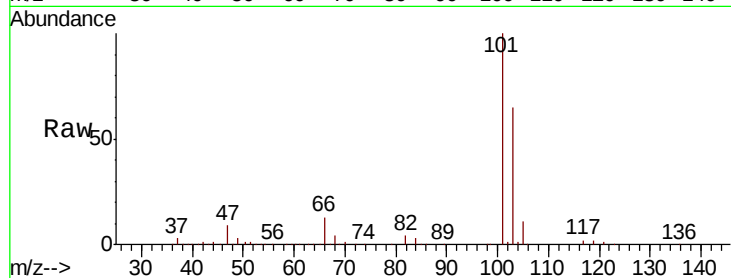
VSTDCCC050

Tot Ion:101 Resp: 139217

Ion Ratio Lower Upper

101 100

103 64.8 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

100000

80000

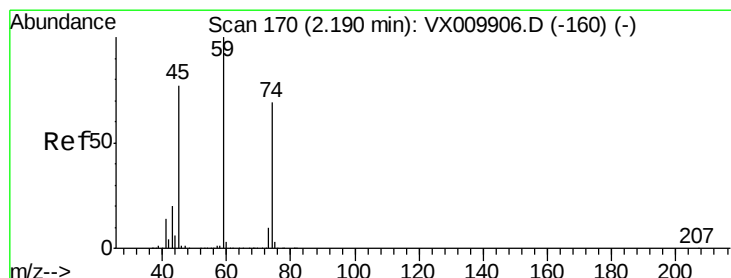
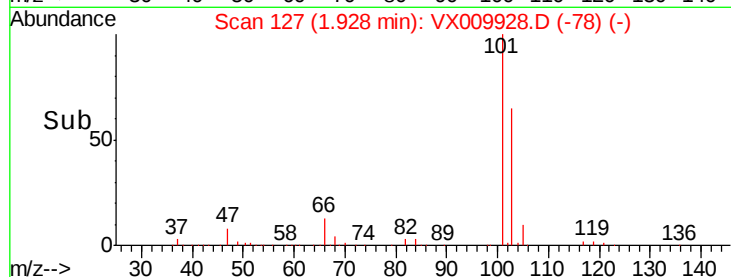
60000

40000

20000

0

Time--> 1.80 1.90 2.00



#8

Diethyl Ether

Concen: 43.556 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX009928.D

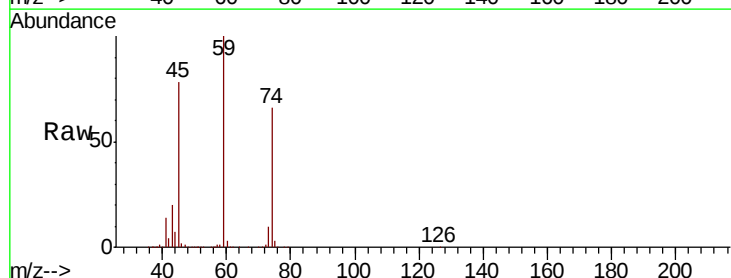
Acq: 29 May 2019 10:08

Tgt Ion: 74 Resp: 58387

Ion Ratio Lower Upper

74 100

45 115.0 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

50000

40000

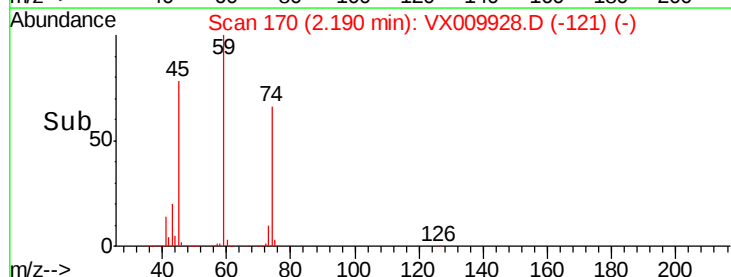
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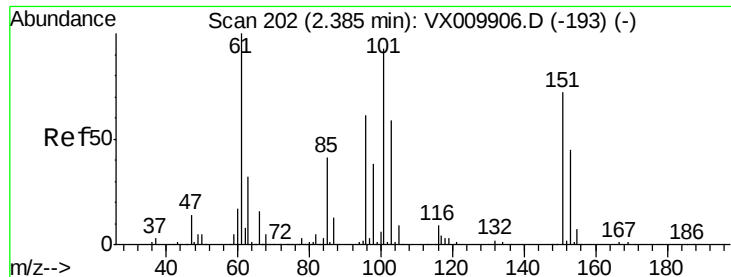
20000

10000

0

Time--> 2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.708 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

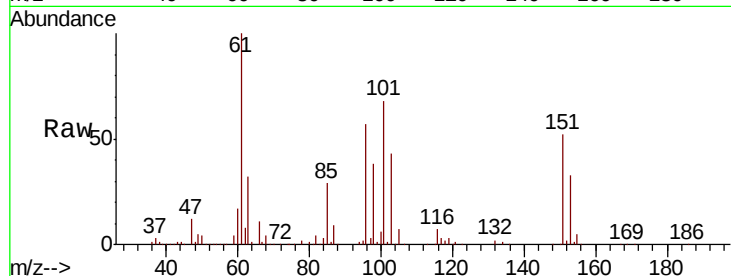
Tot Ion:101 Resp: 83887

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

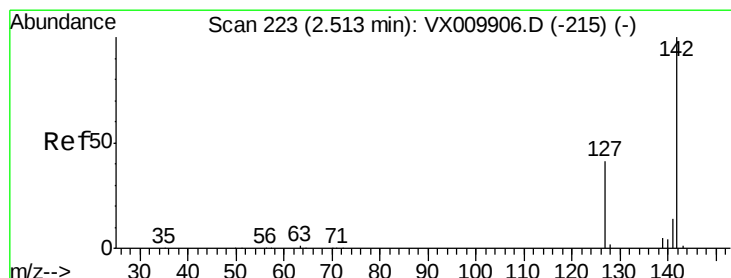
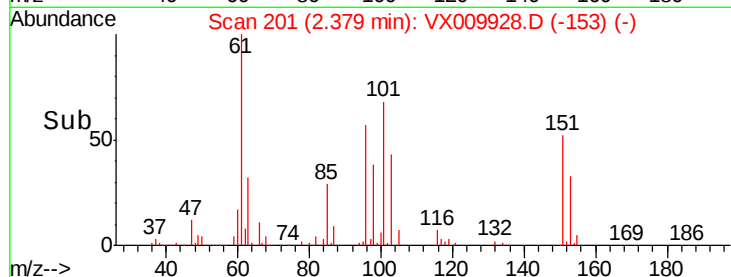
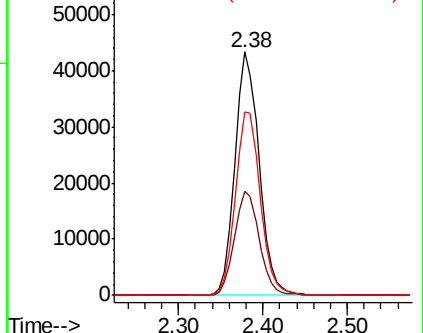
151 77.5 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.454 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

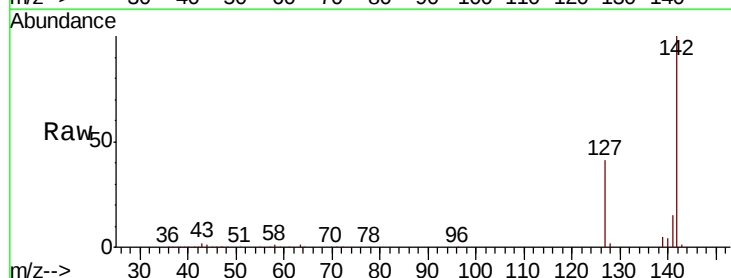
Tgt Ion:142 Resp: 100643

Ion Ratio Lower Upper

142 100

127 42.2 33.0 49.4

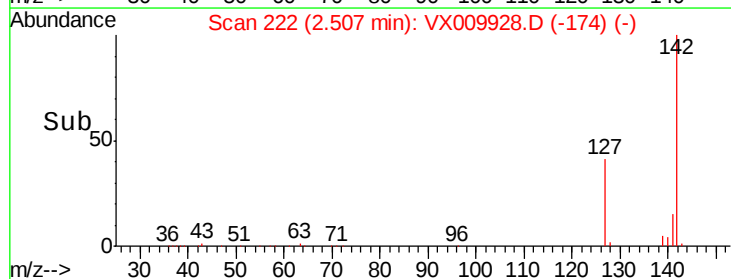
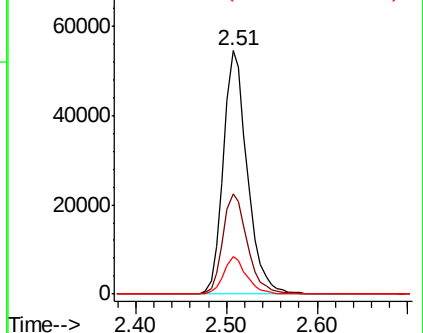
141 14.7 11.4 17.0

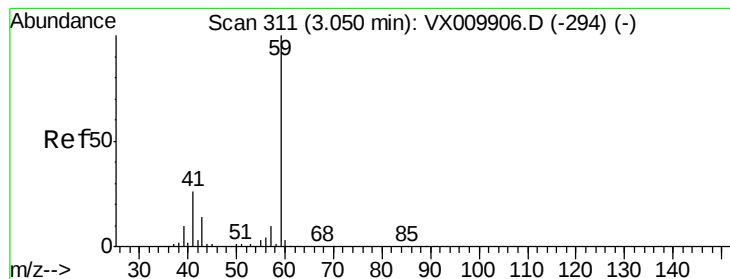


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



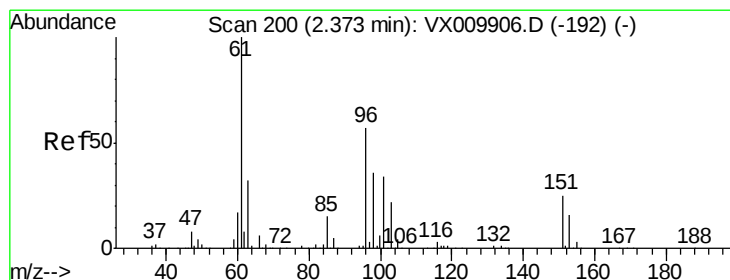
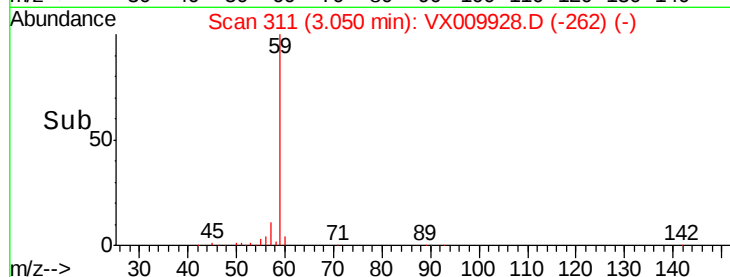
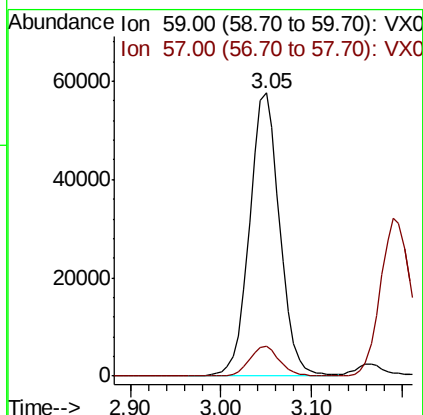
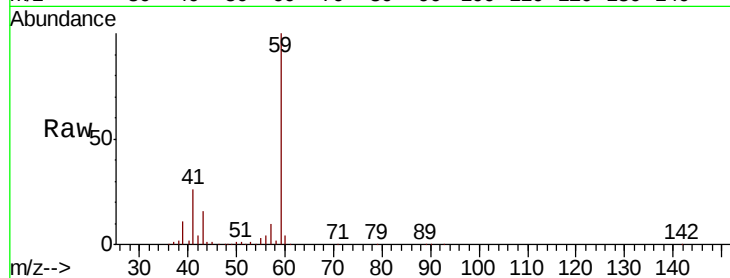


#11

Tert butyl alcohol
 Concen: 219.413 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

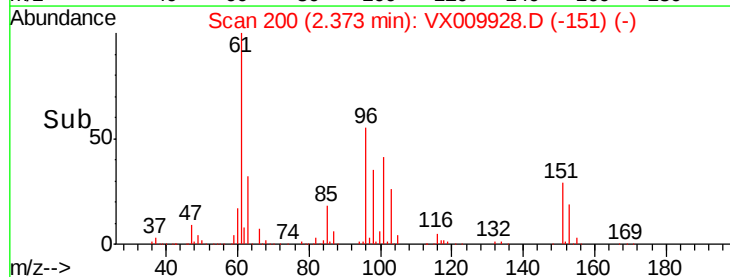
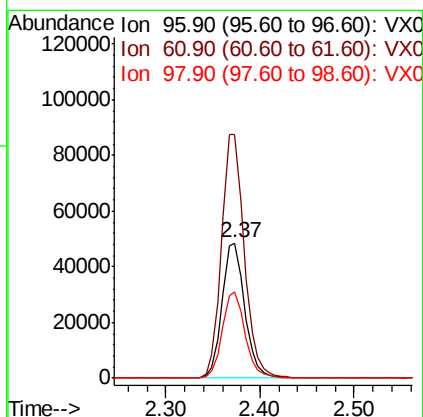
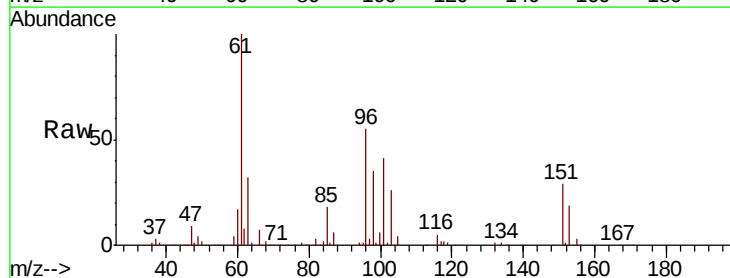
Tot Ion: 59 Resp: 132959
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

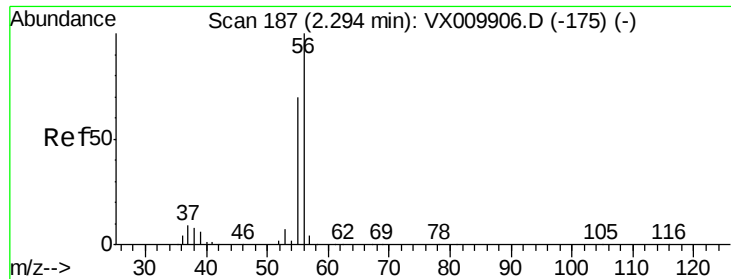


#12

1,1-Dichloroethene
 Concen: 46.206 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion: 96 Resp: 81569
 Ion Ratio Lower Upper
 96 100
 61 180.5 140.7 211.1
 98 63.9 50.1 75.1





#13

Acrolein

Concen: 212.401 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

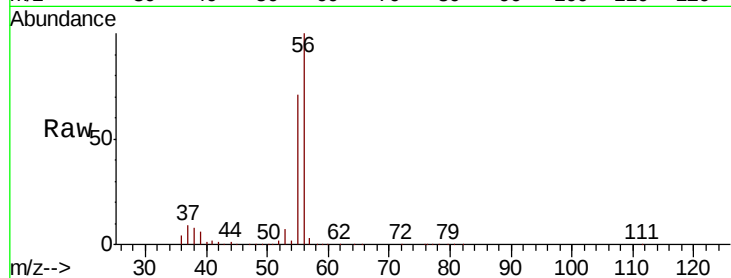
VSTDCCC050

Tot Ion: 56 Resp: 89745

Ion Ratio Lower Upper

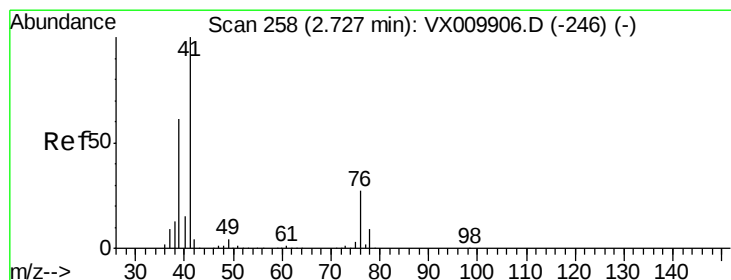
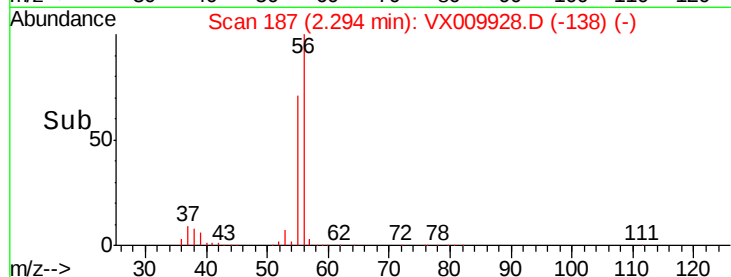
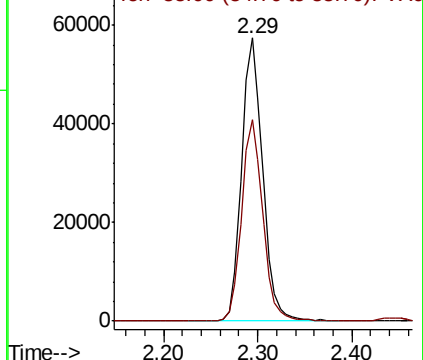
56 100

55 71.6 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.101 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

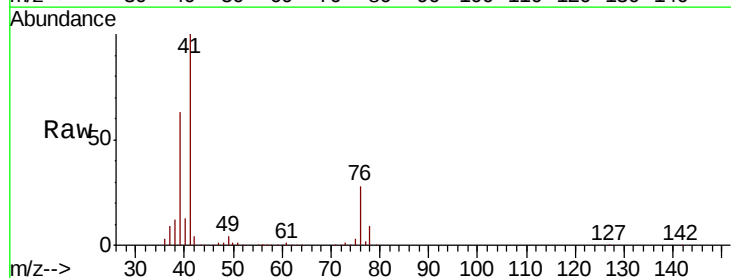
Tgt Ion: 41 Resp: 206384

Ion Ratio Lower Upper

41 100

39 59.5 46.7 70.1

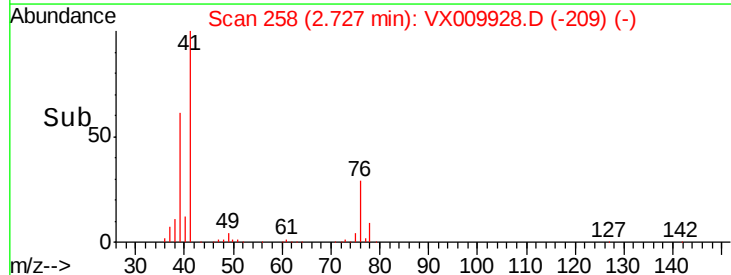
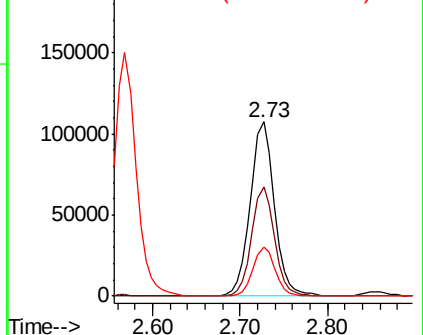
76 26.0 21.0 31.4

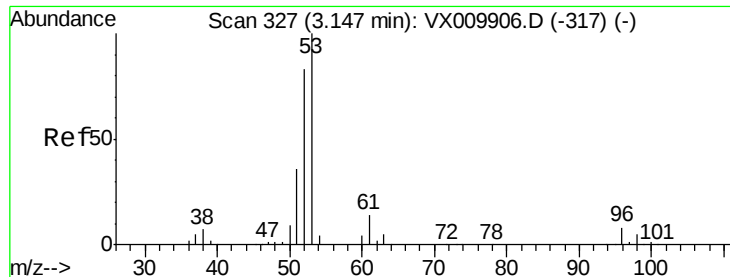


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 227.322 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

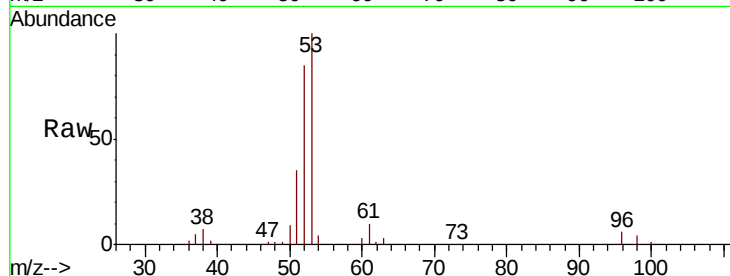
Tot Ion: 53 Resp: 331909

Ion Ratio Lower Upper

53 100

52 83.5 66.7 100.1

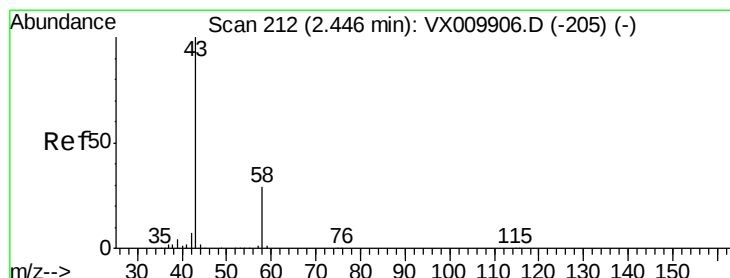
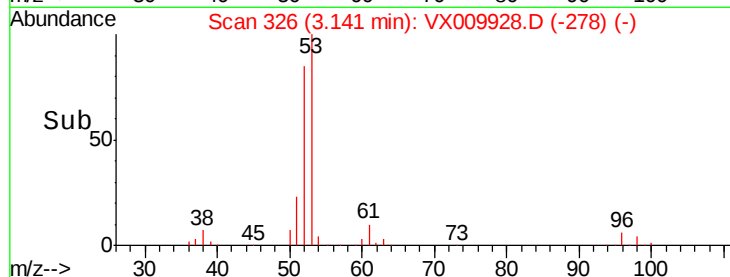
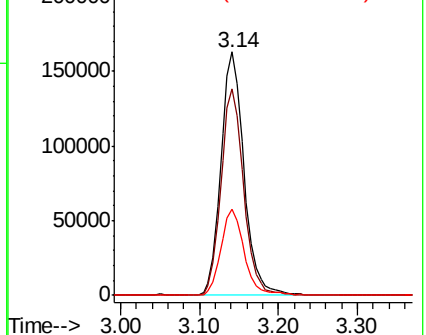
51 35.5 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 277.805 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009928.D

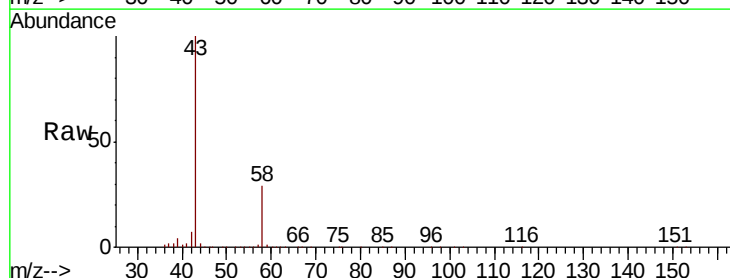
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 395226

Ion Ratio Lower Upper

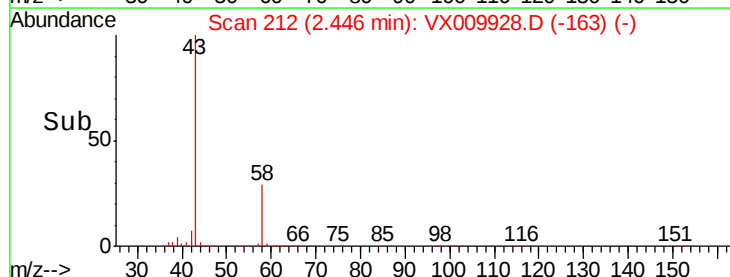
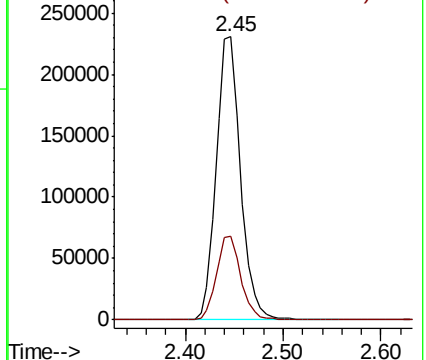
43 100

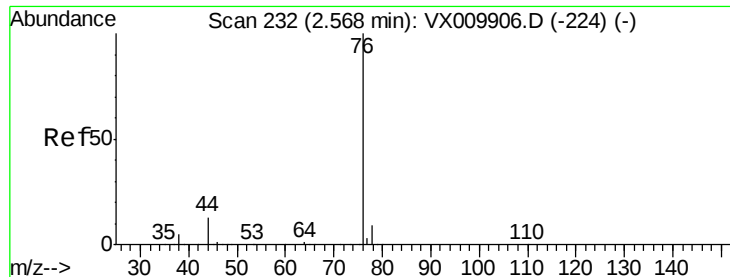
58 29.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.225 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

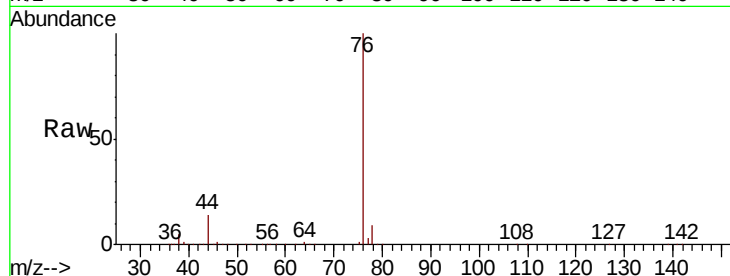
VSTDCCC050

Tot Ion: 76 Resp: 257706

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

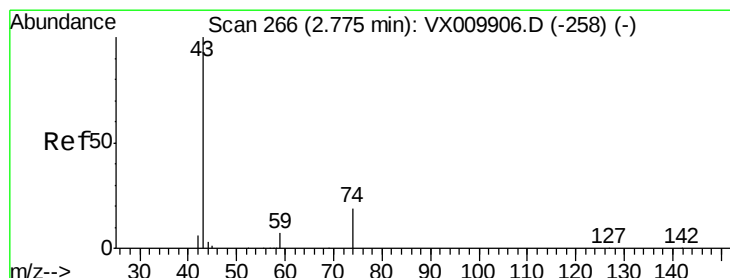
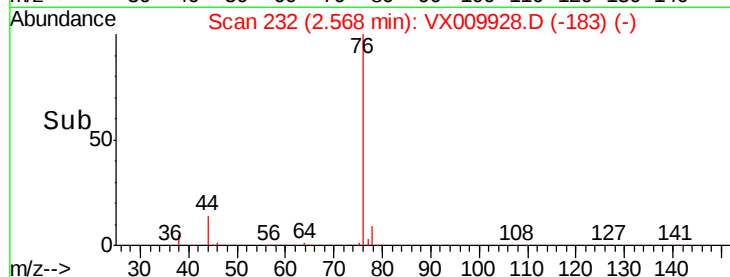
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 44.881 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009928.D

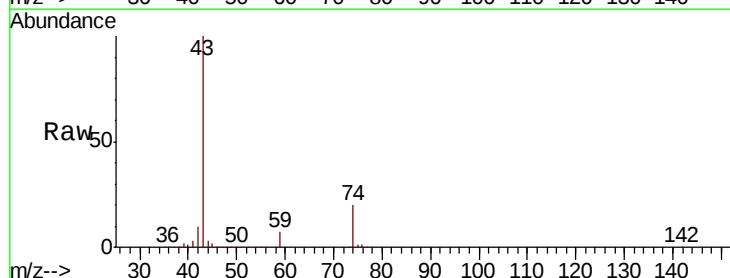
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 148573

Ion Ratio Lower Upper

43 100

74 19.9 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

60000

40000

20000

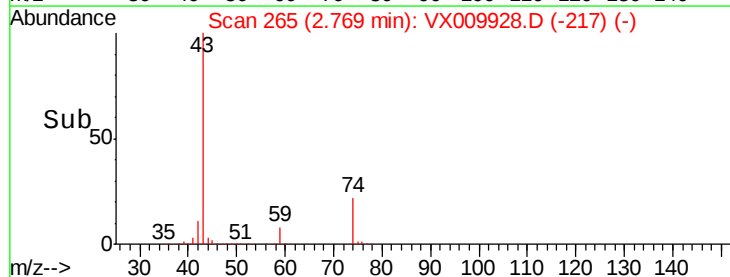
0

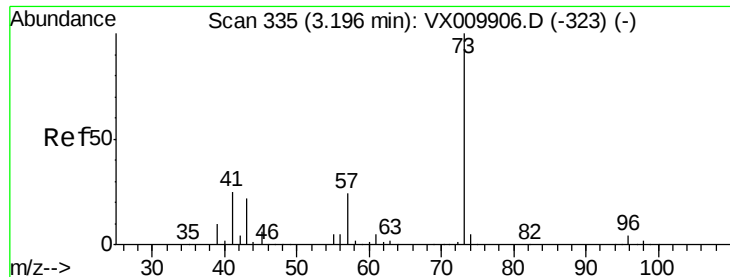
Time-->

2.70

2.80

2.90

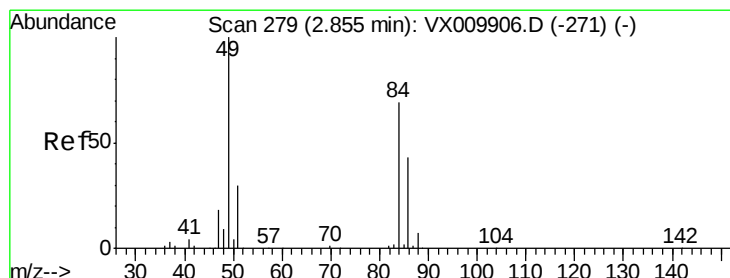
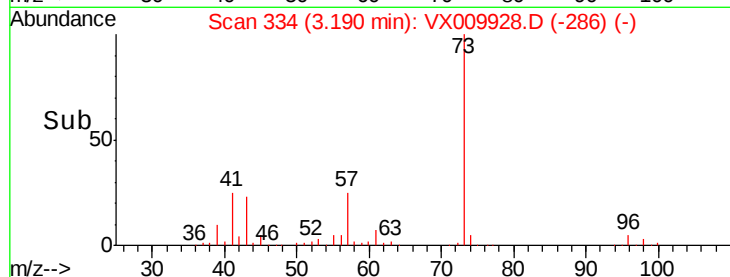
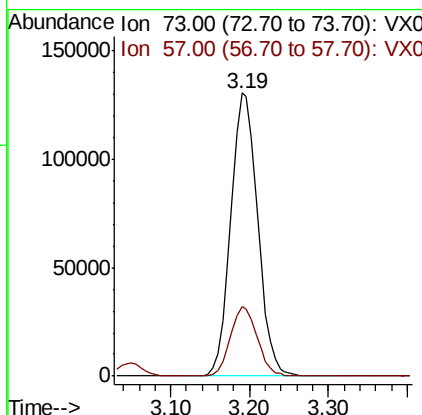
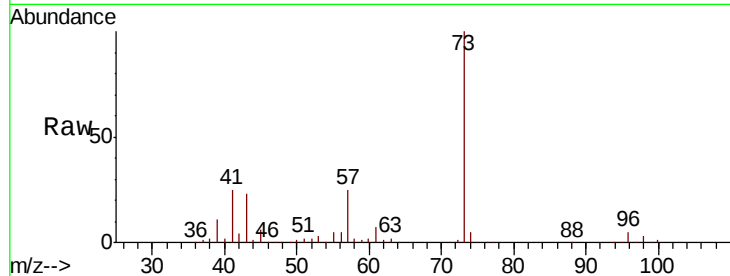




#19
Methvl tert-butvl Ether
Concen: 46.631 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

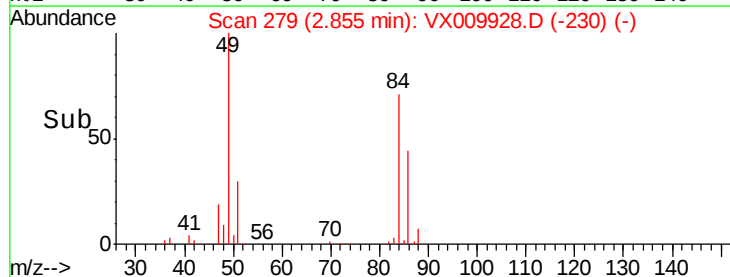
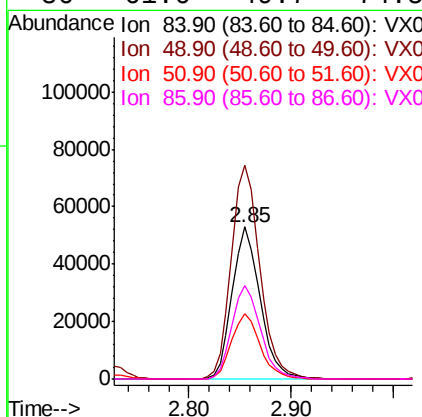
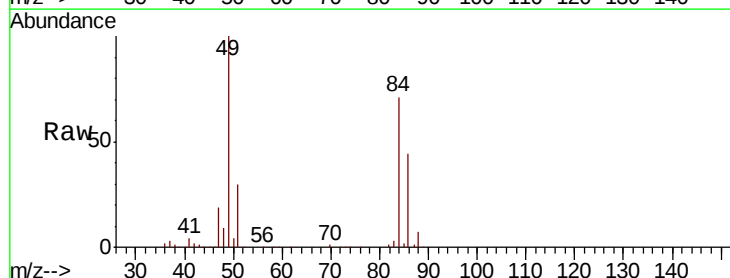
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

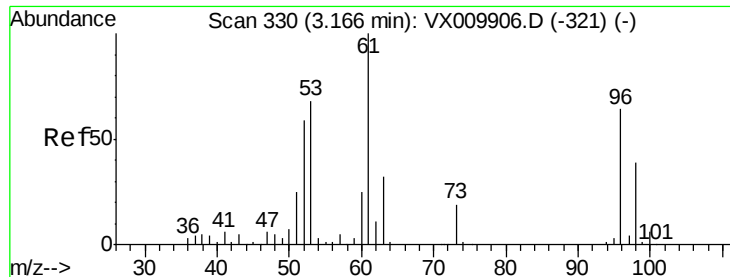
Tot Ion: 73 Resp: 310788
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 46.131 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 84 Resp: 100504
Ion Ratio Lower Upper
84 100
49 140.6 115.8 173.6
51 42.6 34.4 51.6
86 61.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 45.662 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

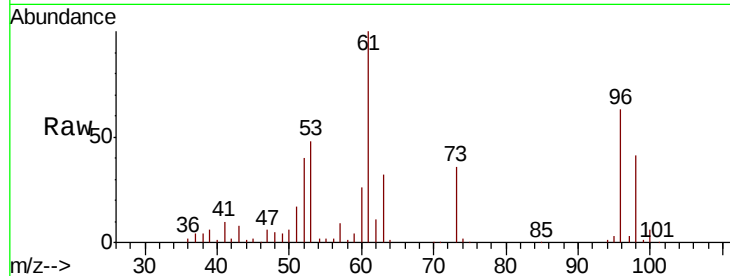
Tot Ion: 96 Resp: 89691

Ion Ratio Lower Upper

96 100

61 159.0 125.7 188.5

98 64.7 49.0 73.6

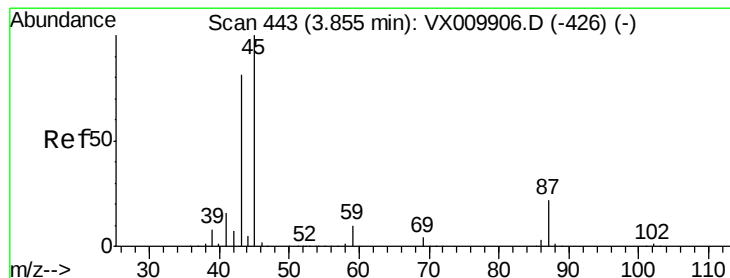
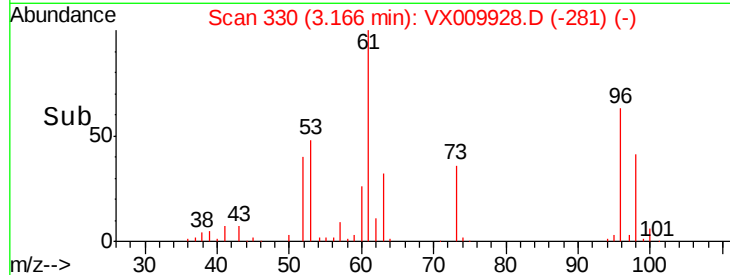
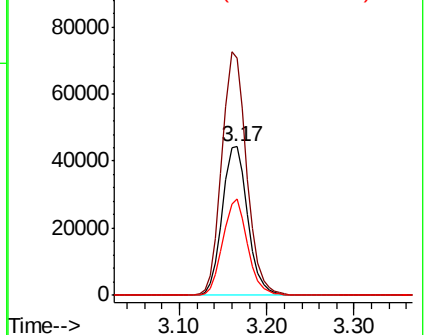


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.850 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Tgt Ion: 45 Resp: 390638

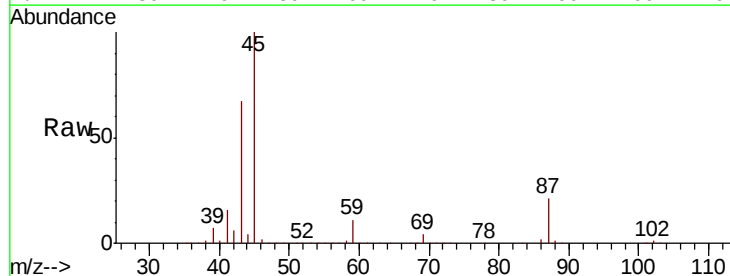
Ion Ratio Lower Upper

45 100

43 67.3 65.0 97.4

87 21.3 17.3 25.9

59 10.4 8.1 12.1



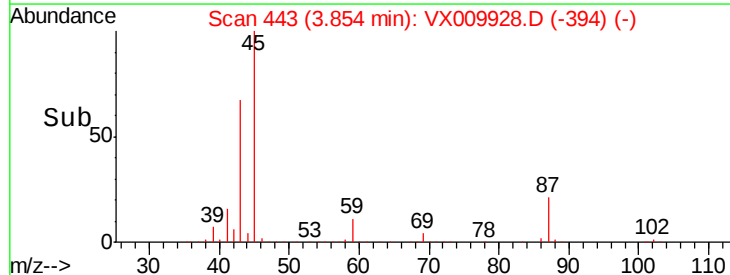
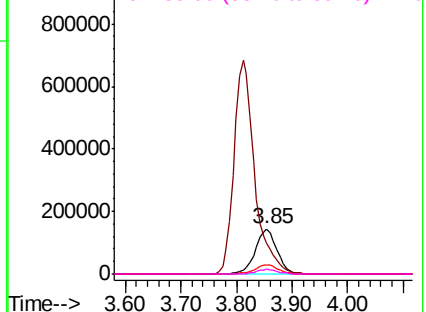
Abundance

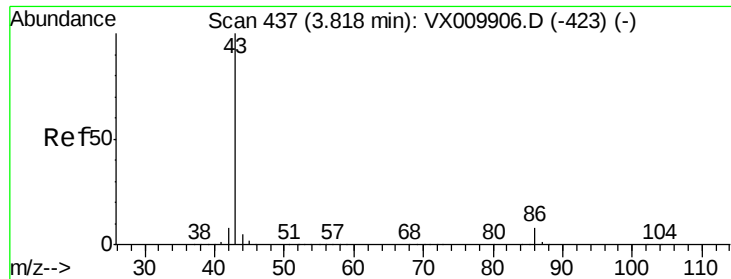
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 238.899 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

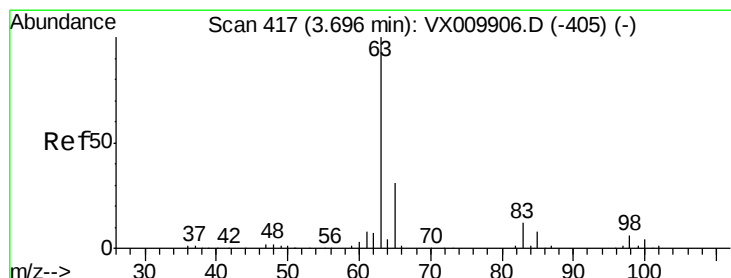
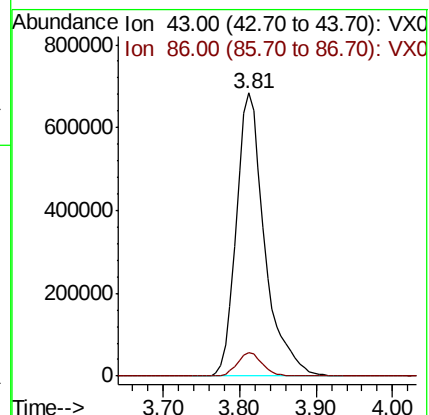
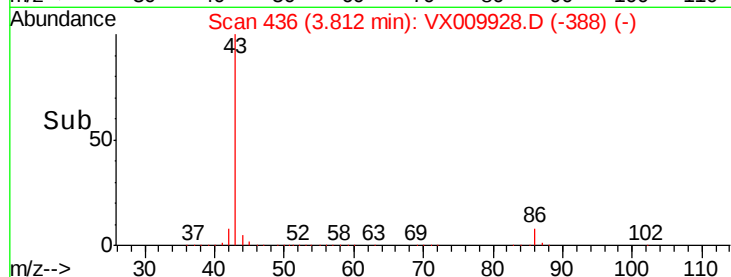
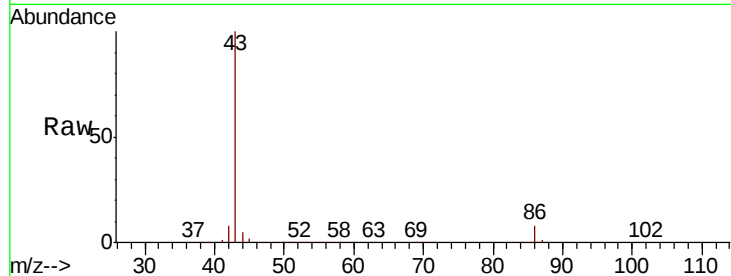
VSTDCCC050

Tot Ion: 43 Resp: 1752053

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 46.917 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

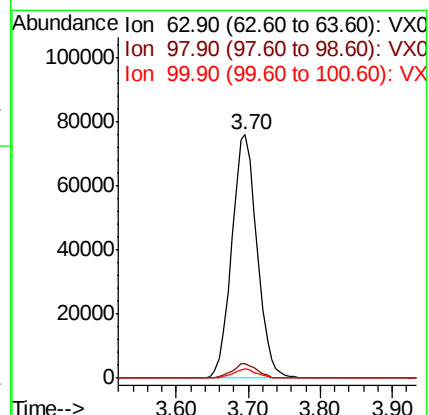
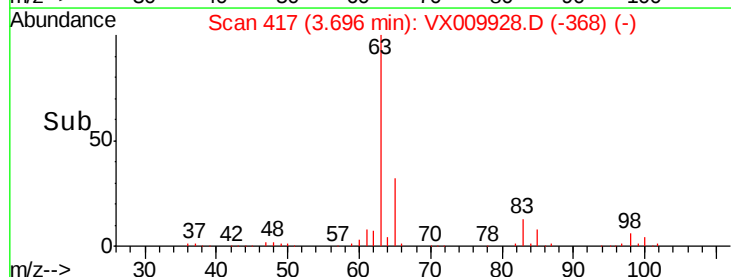
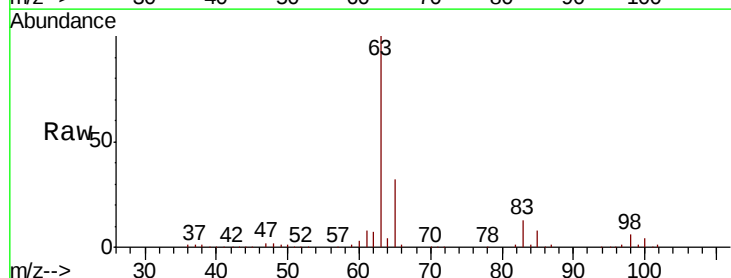
Tgt Ion: 63 Resp: 185615

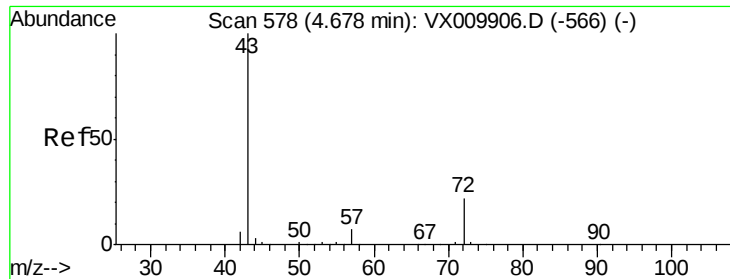
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.7 1.8 5.4





#25

2-Butanone

Concen: 248.624 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

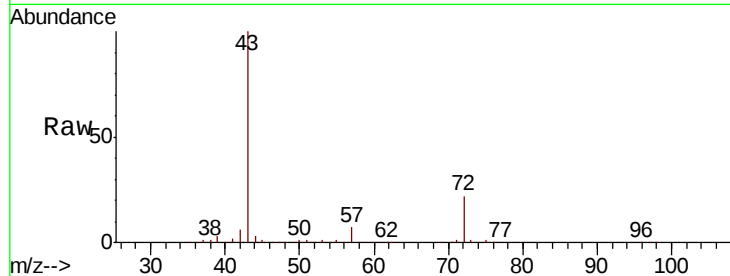
VSTDCCC050

Tot Ion: 43 Resp: 551075

Ion Ratio Lower Upper

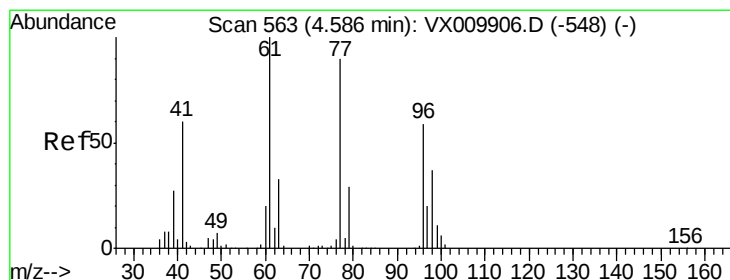
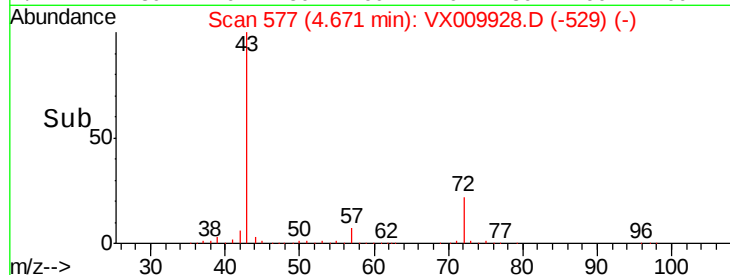
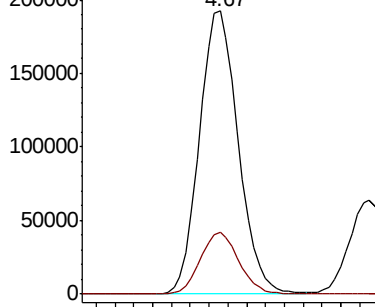
43 100

72 21.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.014 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009928.D

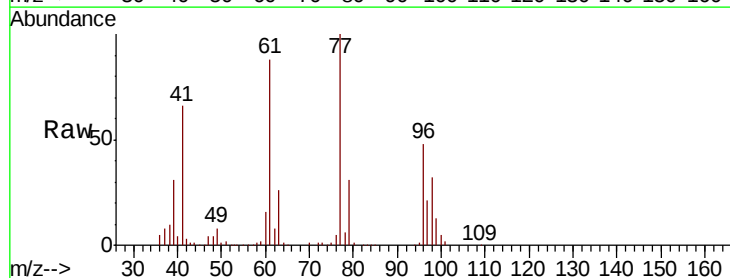
Acq: 29 May 2019 10:08

Tgt Ion: 77 Resp: 143695

Ion Ratio Lower Upper

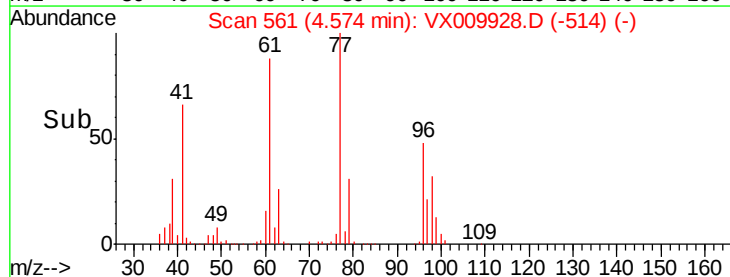
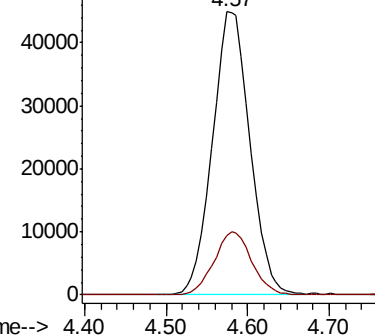
77 100

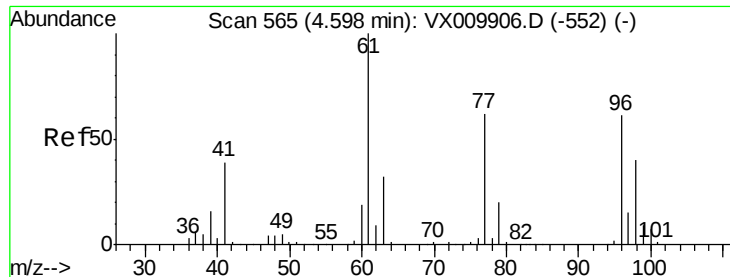
97 22.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



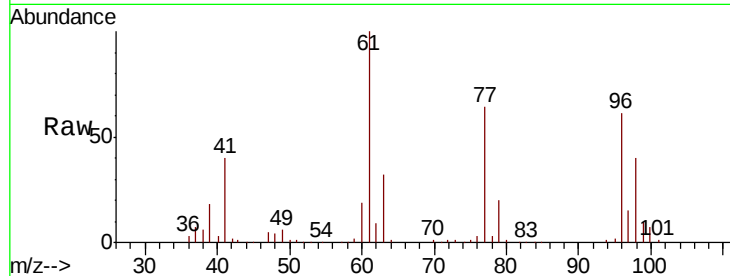


#27

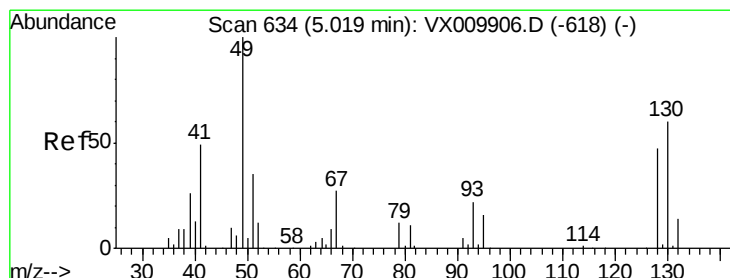
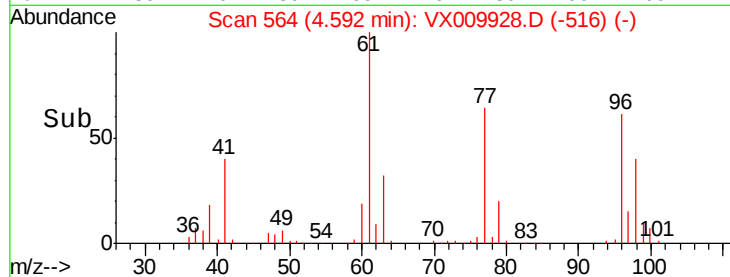
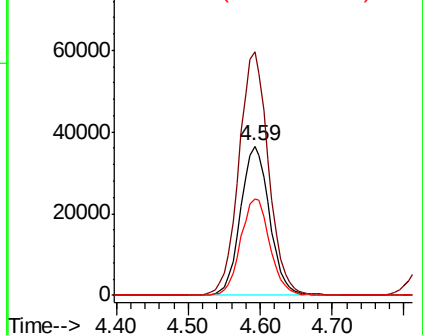
cis-1,2-Dichloroethene
Concen: 44.939 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	101892
Ion Ratio	Lower	Upper	
96	100		
61	167.8	0.0	334.0
98	65.3	0.0	131.6



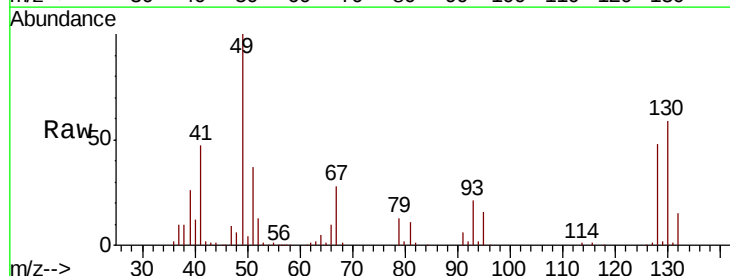
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



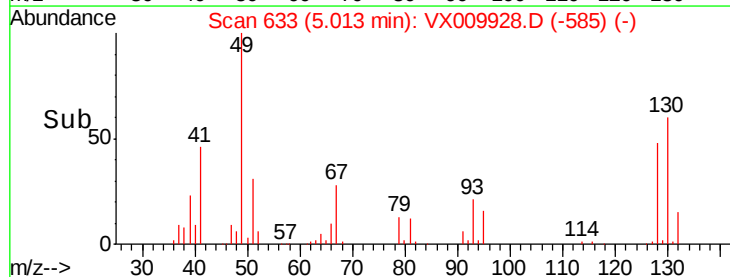
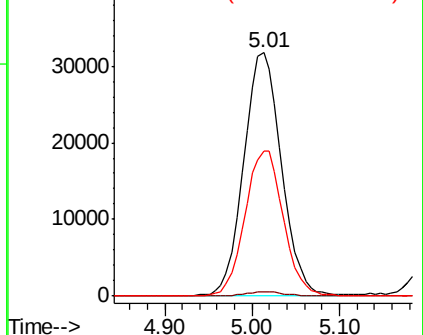
#28

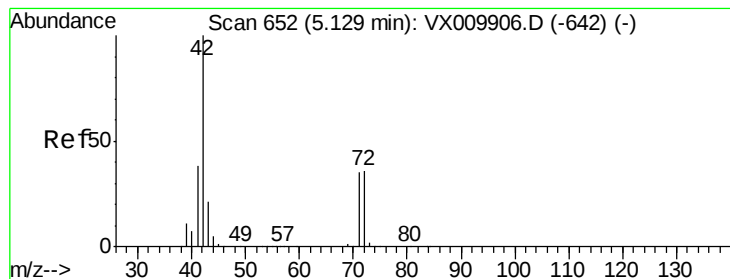
Bromochloromethane
Concen: 46.216 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion	49	Resp	94883
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.4
130	61.0	49.4	74.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 229.790 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

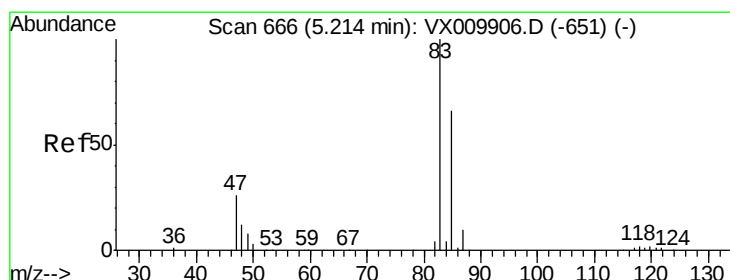
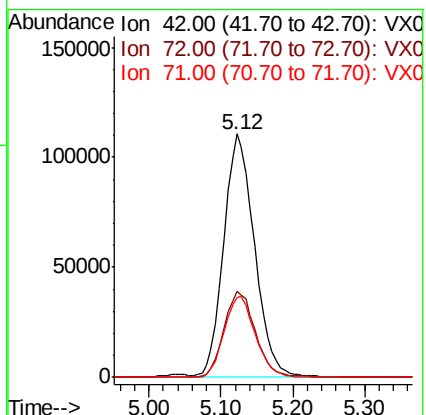
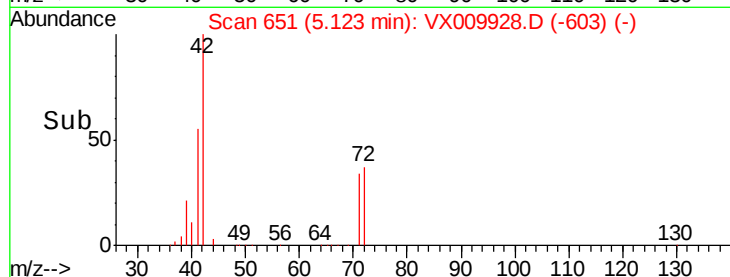
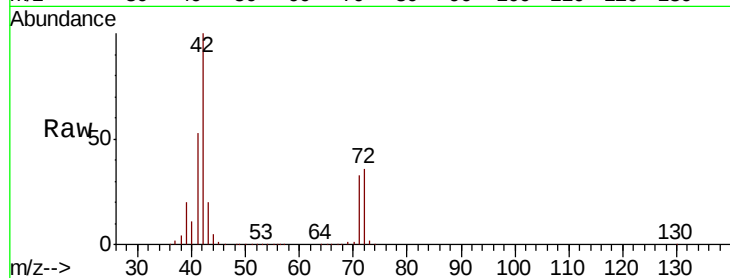
Tot Ion: 42 Resp: 326614

Ion Ratio Lower Upper

42 100

72 36.6 29.2 43.8

71 34.2 27.6 41.4



#30

Chloroform

Concen: 47.008 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX009928.D

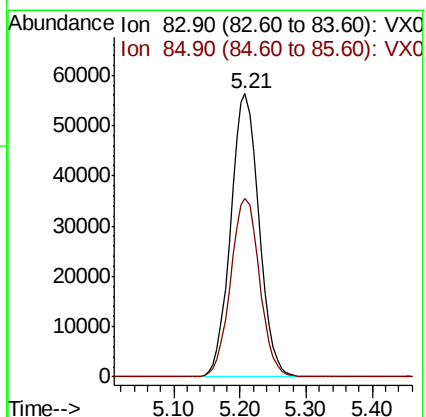
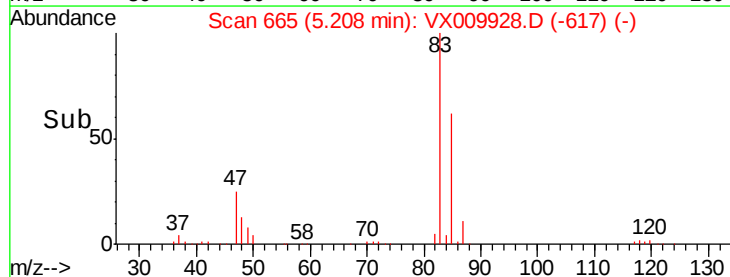
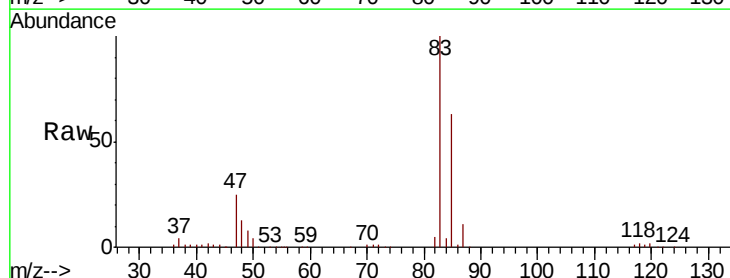
Acq: 29 May 2019 10:08

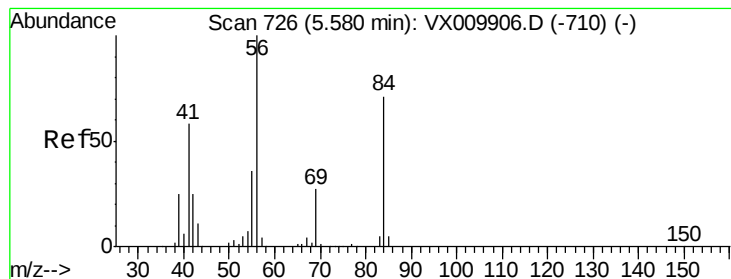
Tgt Ion: 83 Resp: 167726

Ion Ratio Lower Upper

83 100

85 63.2 52.6 78.8





#31

Cyclohexane

Concen: 50.469 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

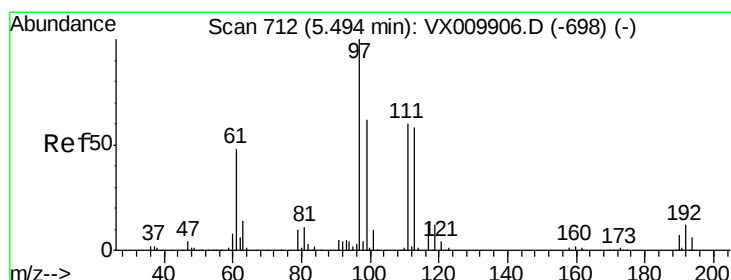
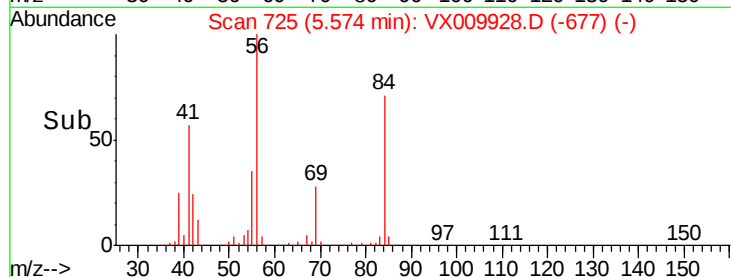
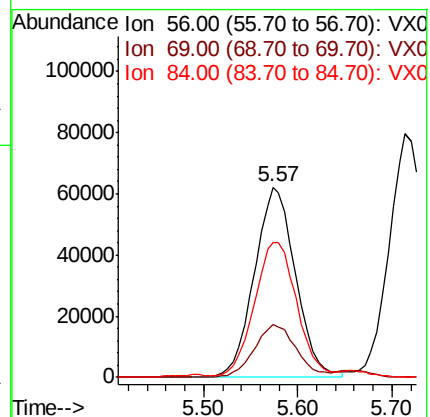
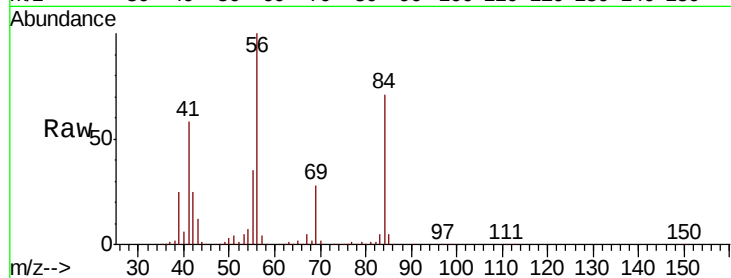
Tot Ion: 56 Resp: 189113

Ion Ratio Lower Upper

56 100

69 27.9 21.6 32.4

84 69.7 56.8 85.2



#32

1,1,1-Trichloroethane

Concen: 48.737 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

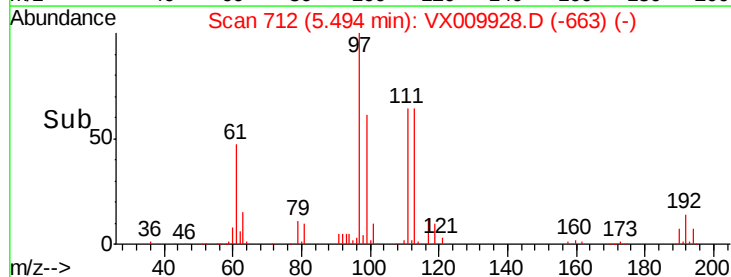
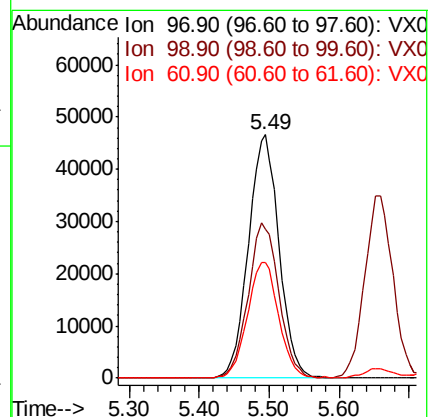
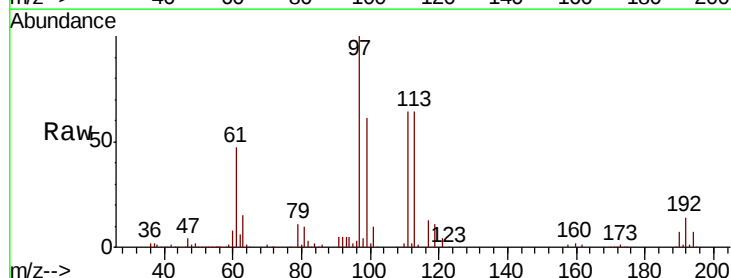
Tgt Ion: 97 Resp: 141619

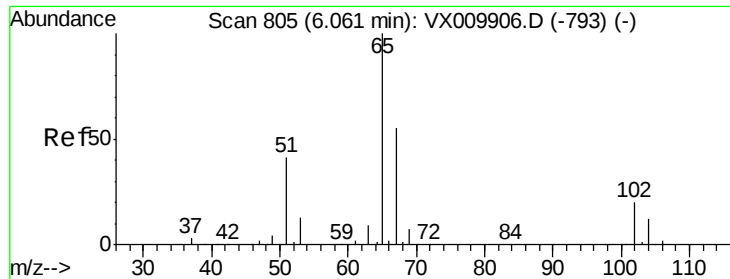
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 48.6 38.7 58.1

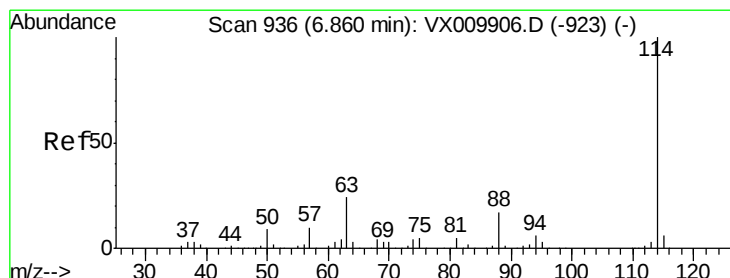
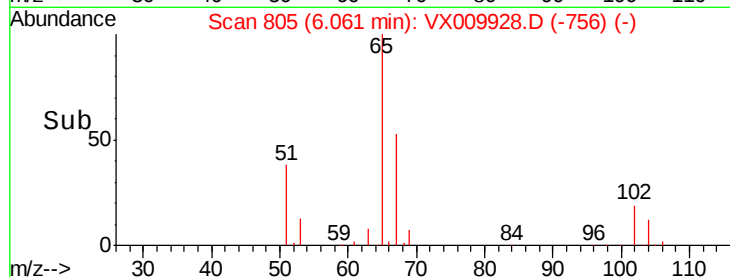
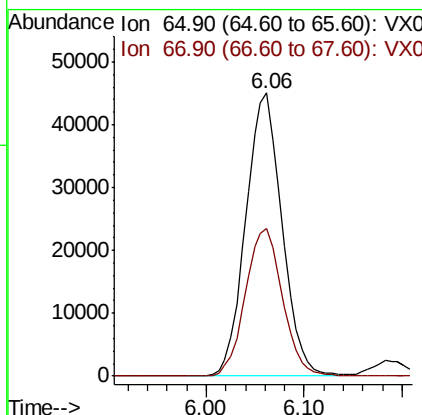
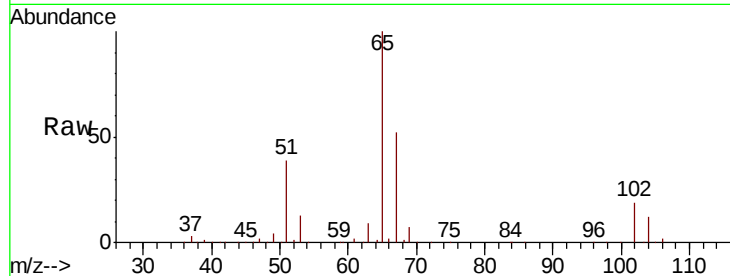




#33
 1,2-Dichloroethane-d4
 Concen: 46.950 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

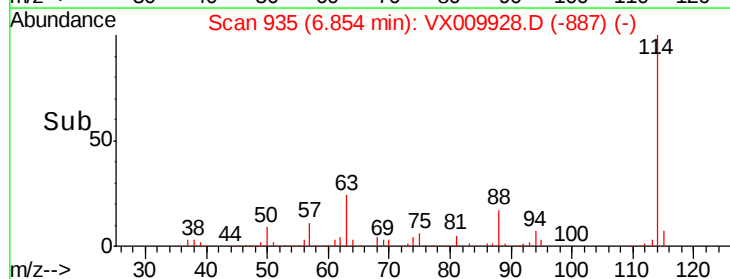
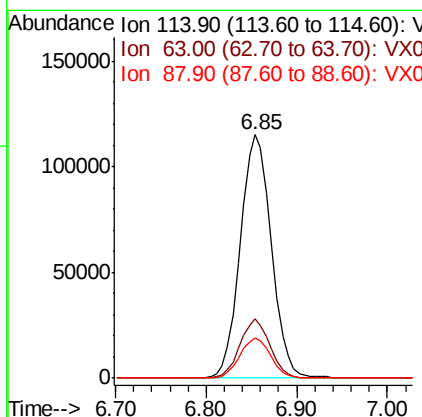
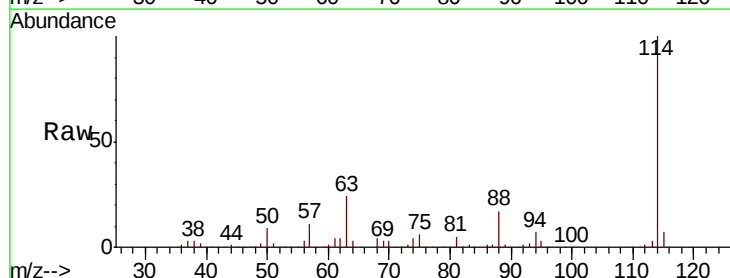
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

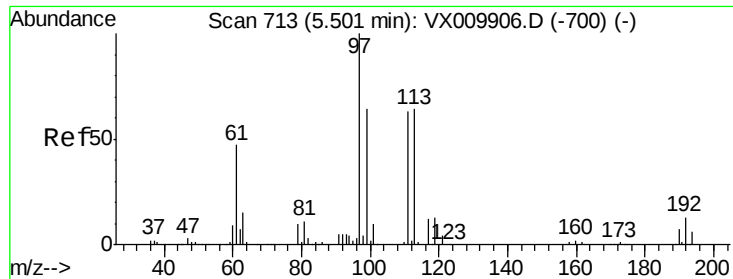
Tot Ion: 65 Resp: 115607
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion: 114 Resp: 272671
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 47.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.481 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

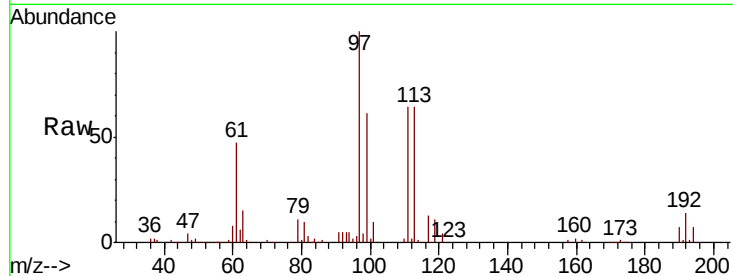
Tot Ion:113 Resp: 83110

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

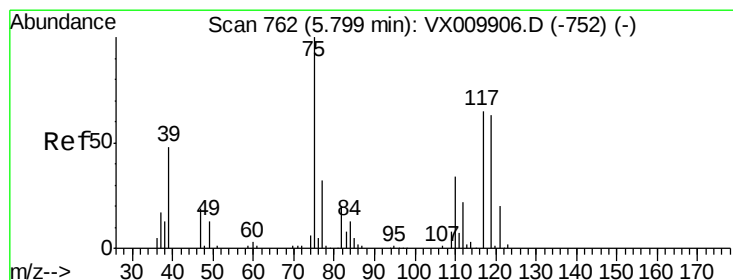
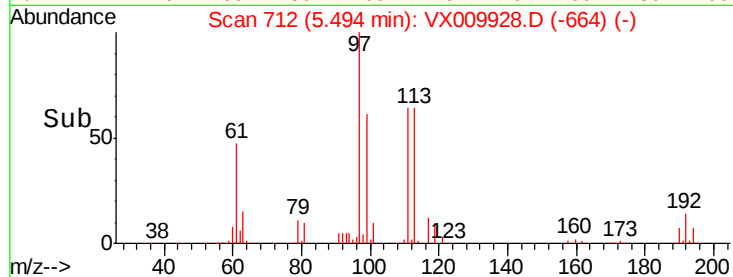
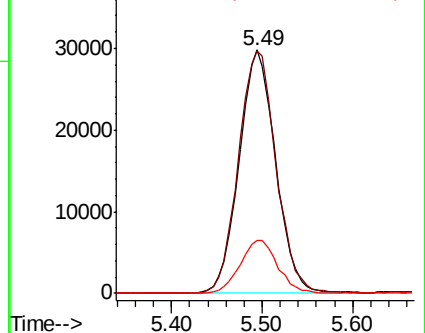
192 22.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.455 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

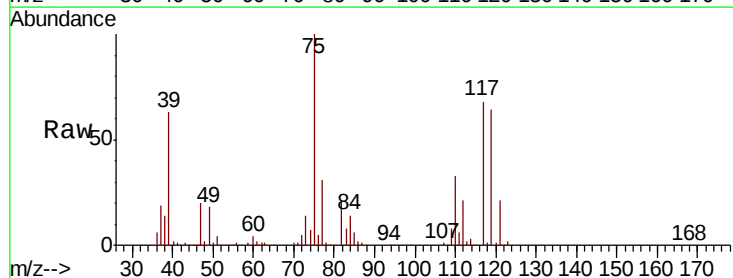
Tgt Ion: 75 Resp: 134053

Ion Ratio Lower Upper

75 100

110 33.2 16.7 50.1

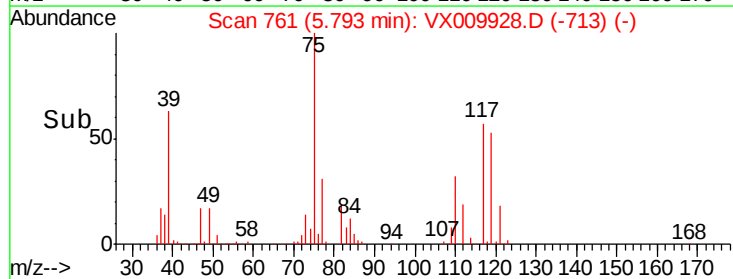
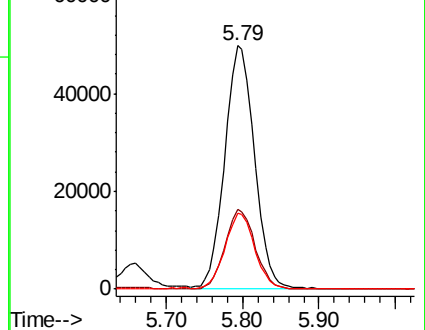
77 31.3 25.0 37.4

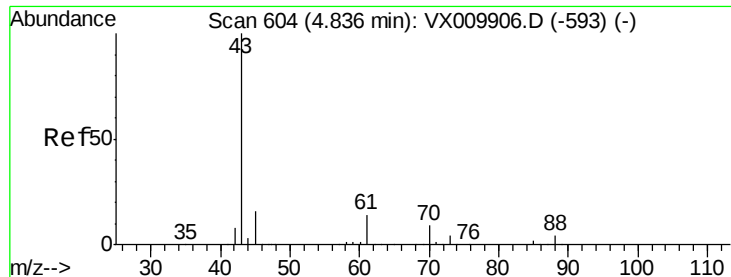


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.570 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

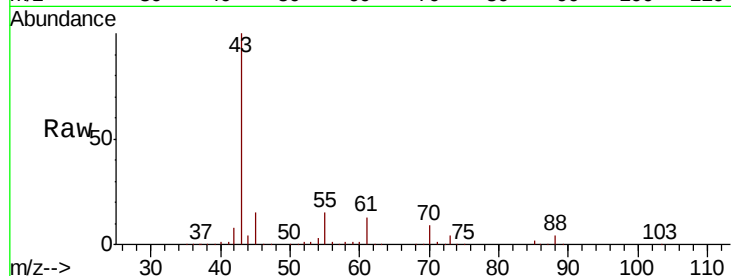
Tot Ion: 43 Resp: 187232

Ion Ratio Lower Upper

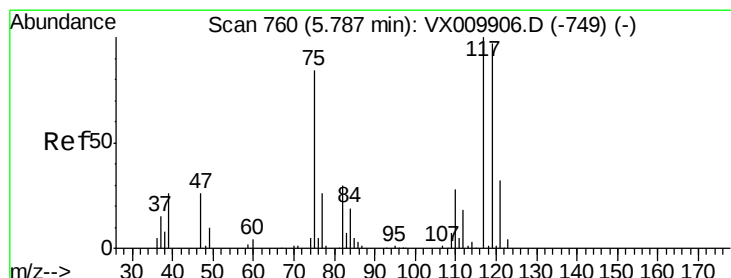
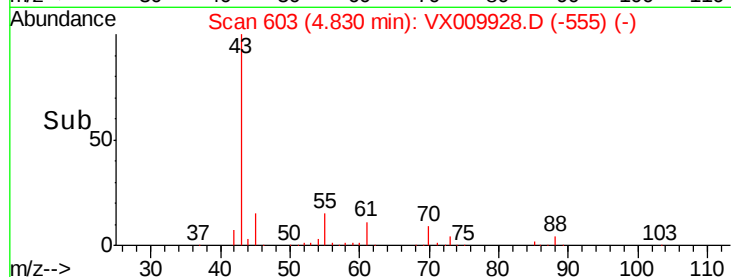
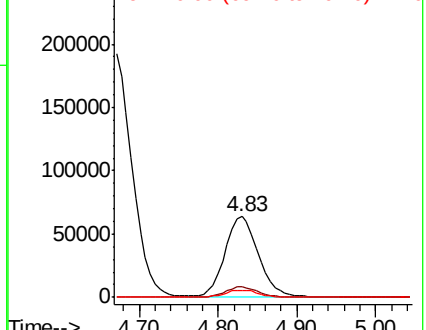
43 100

61 12.7 10.2 15.2

70 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 49.984 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

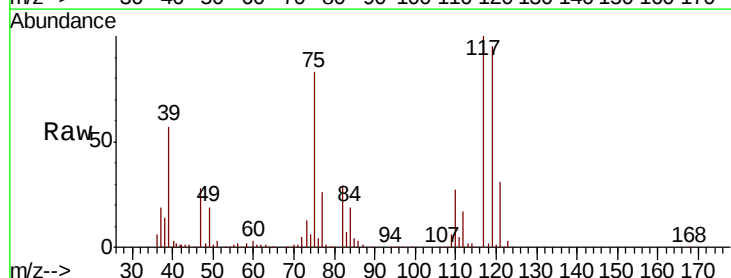
Tgt Ion: 117 Resp: 119496

Ion Ratio Lower Upper

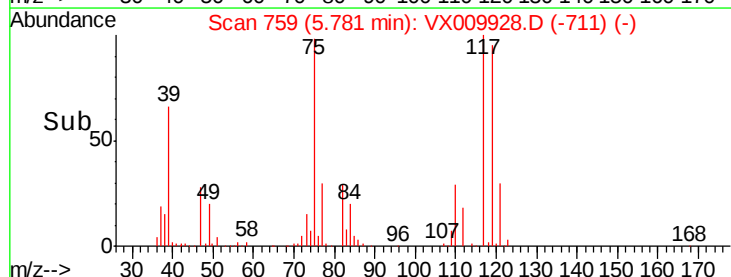
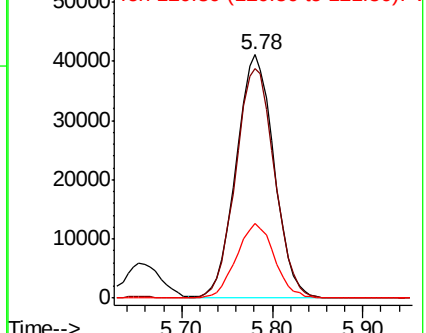
117 100

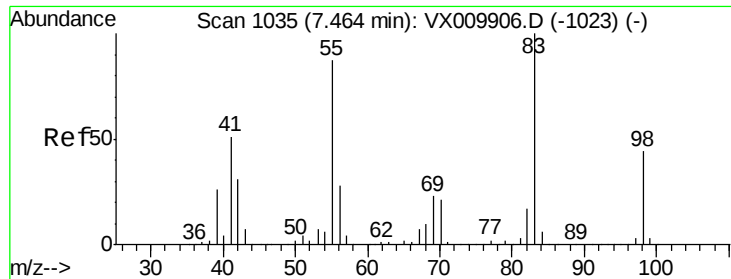
119 94.5 77.3 115.9

121 30.5 25.4 38.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

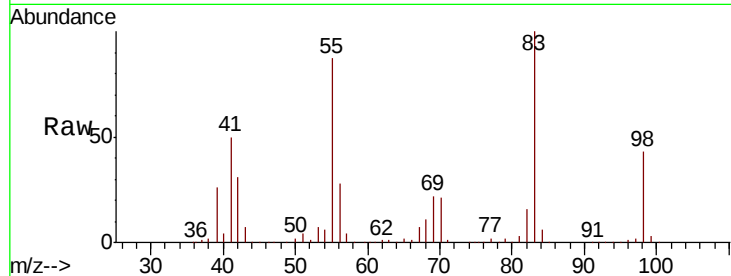




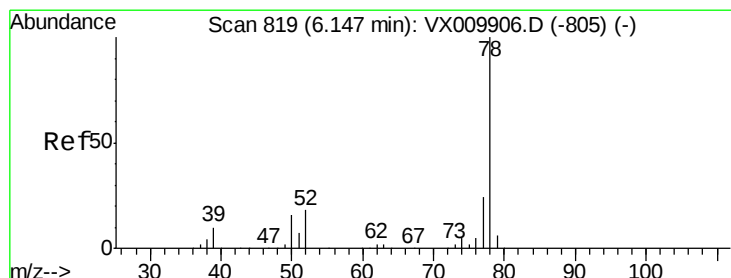
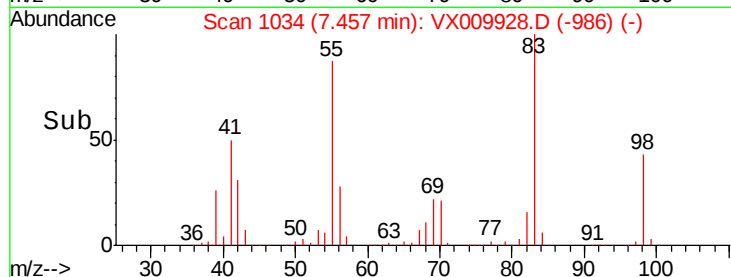
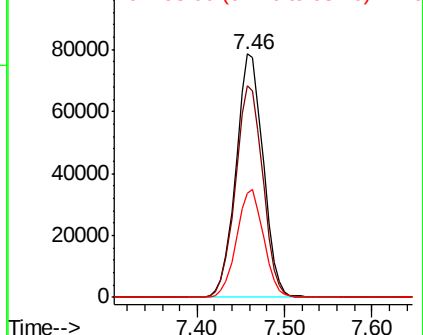
#39
Methvlcvclohexane
Concen: 52.074 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 170889
Ion Ratio Lower Upper
83 100
55 87.2 69.9 104.9
98 42.8 35.1 52.7

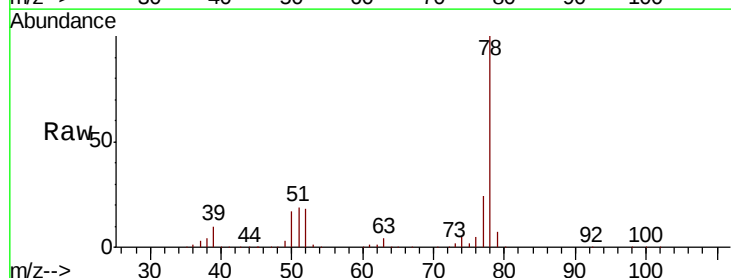


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

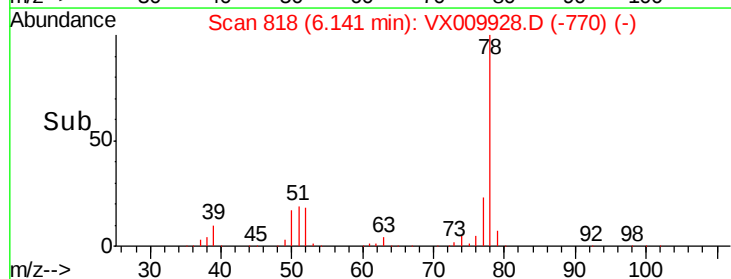
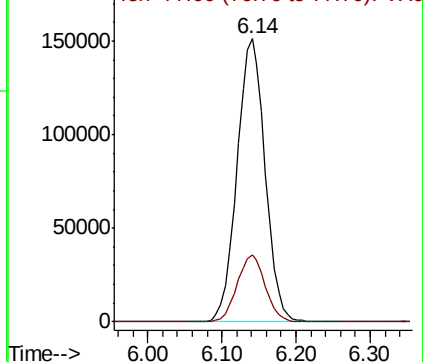


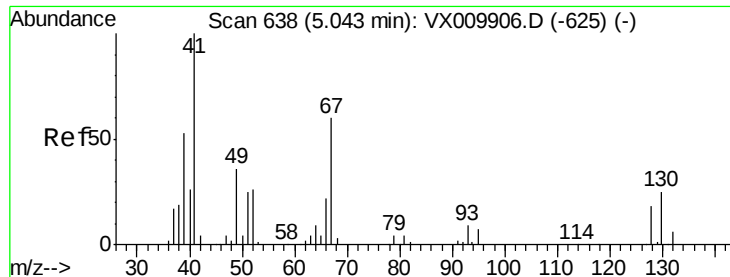
#40
Benzene
Concen: 48.618 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 78 Resp: 398999
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 46.609 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 104987

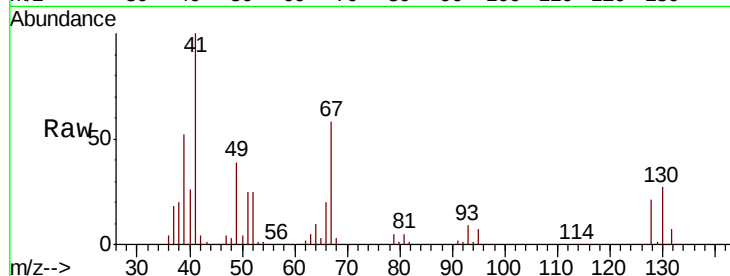
Ion Ratio Lower Upper

41 100

39 54.6 42.2 63.4

67 61.0 48.9 73.3

52 26.7 20.1 30.1

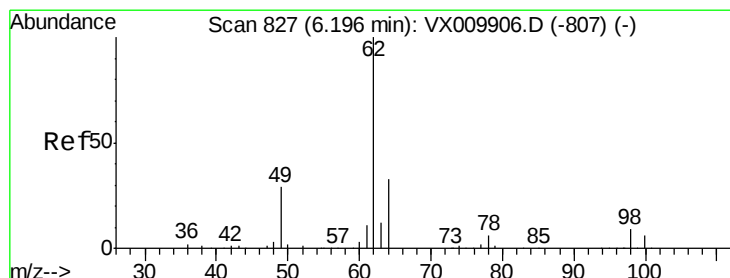
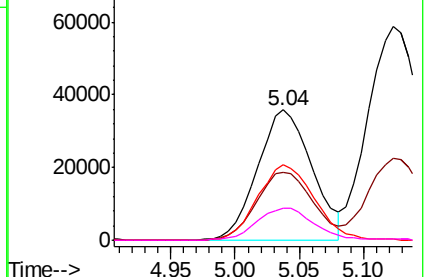
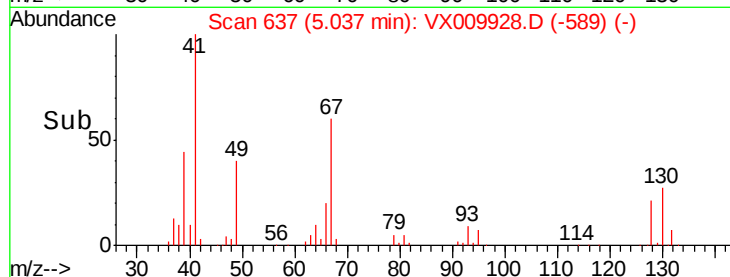


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.998 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX009928.D

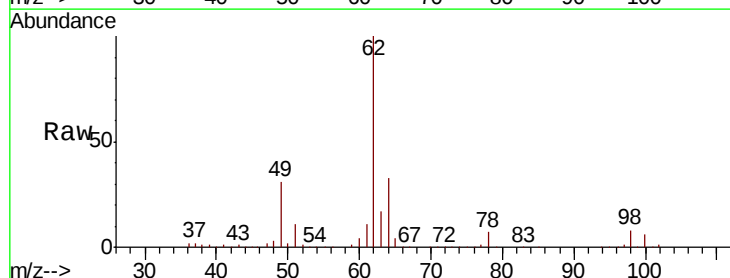
Acq: 29 May 2019 10:08

Tgt Ion: 62 Resp: 145628

Ion Ratio Lower Upper

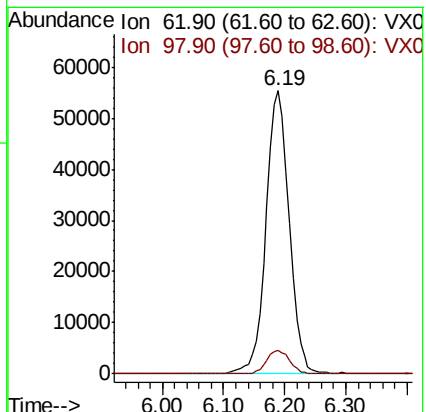
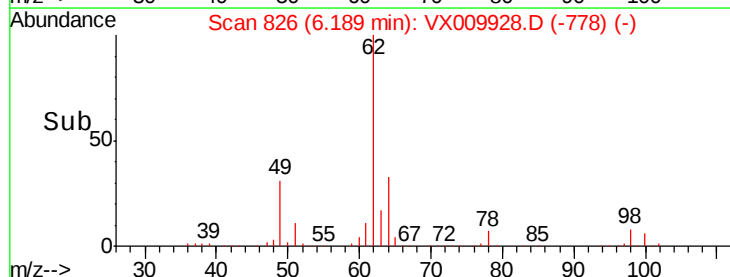
62 100

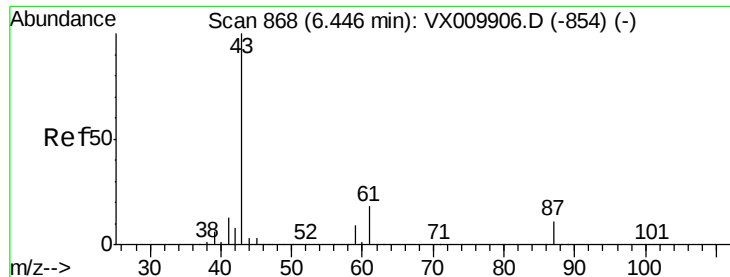
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



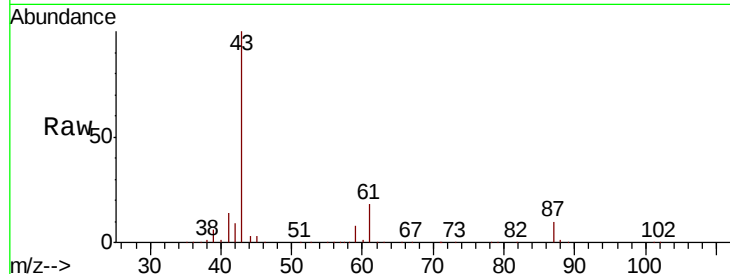


#43

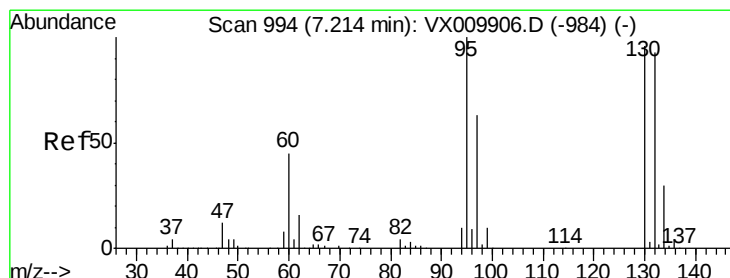
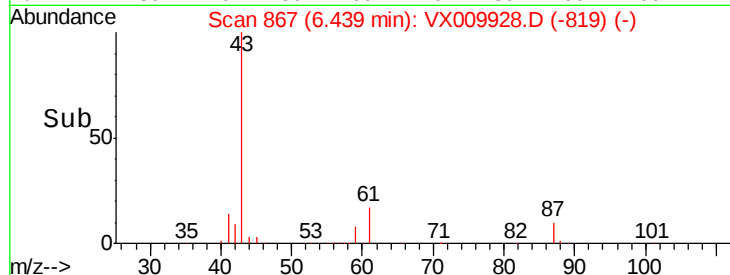
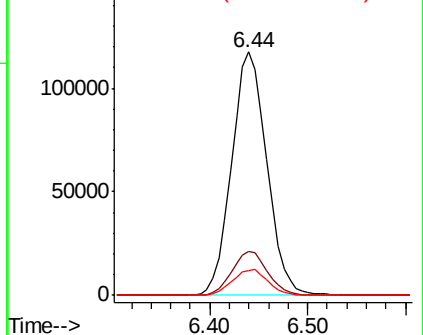
Isopropyl Acetate
 Concen: 46.926 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 291881
 Ion Ratio Lower Upper
 43 100
 61 18.5 14.6 21.8
 87 10.9 8.7 13.1



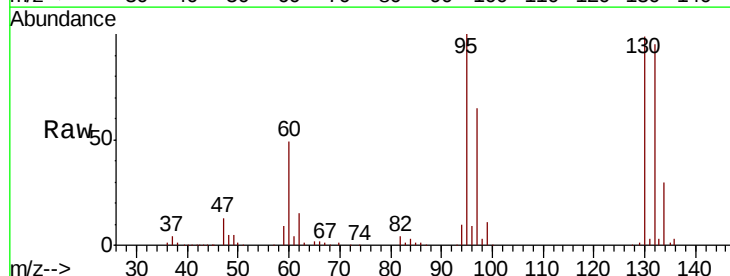
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



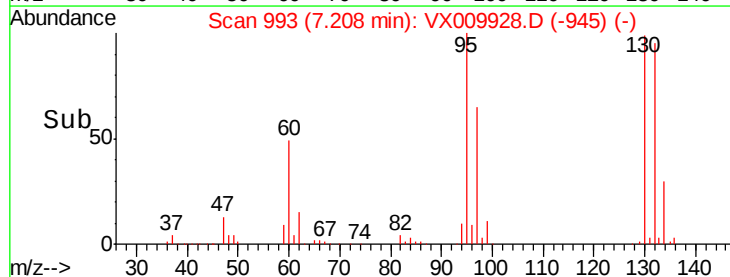
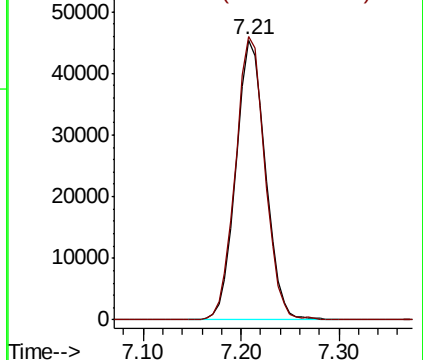
#44

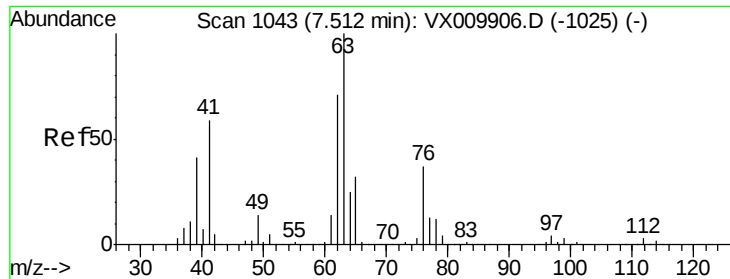
Trichloroethene
 Concen: 47.848 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion: 130 Resp: 95384
 Ion Ratio Lower Upper
 130 100
 95 101.1 0.0 207.4



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

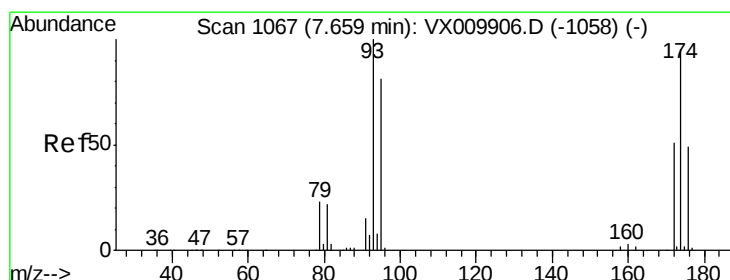
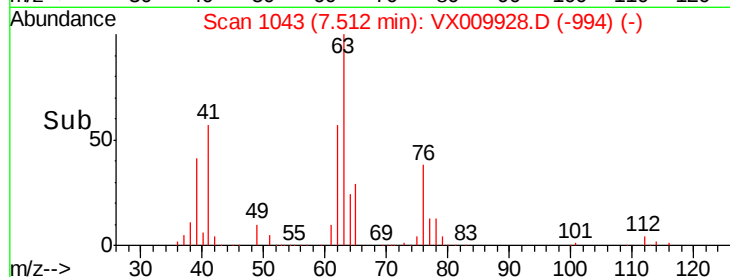
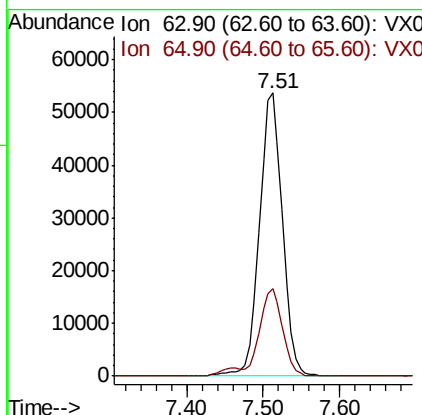
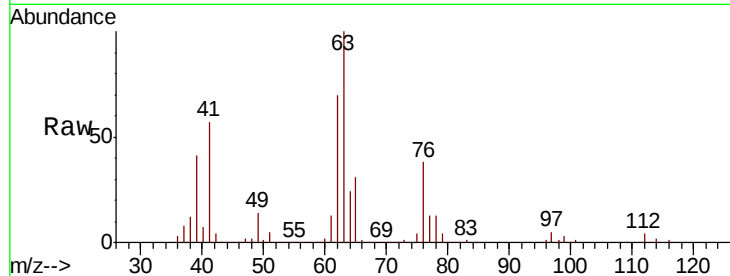




#45
 1,2-Dichloropropane
 Concen: 47.768 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

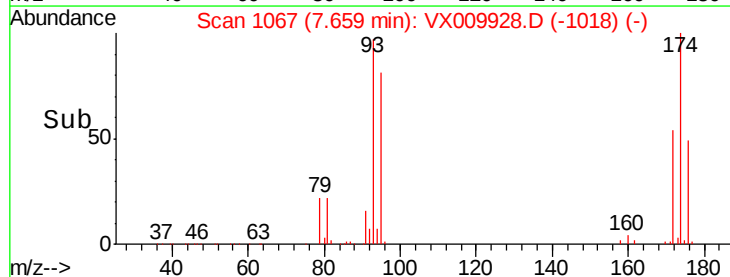
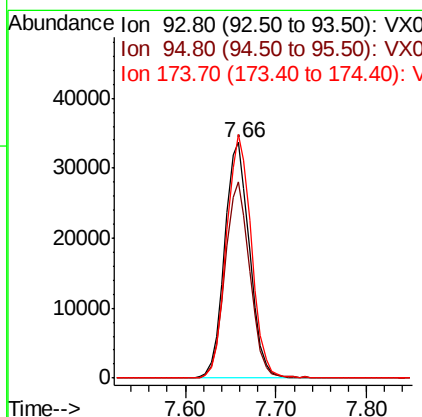
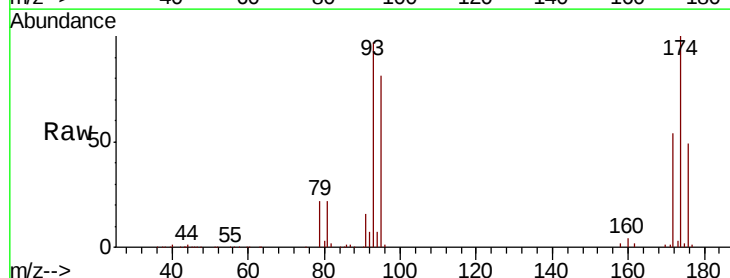
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

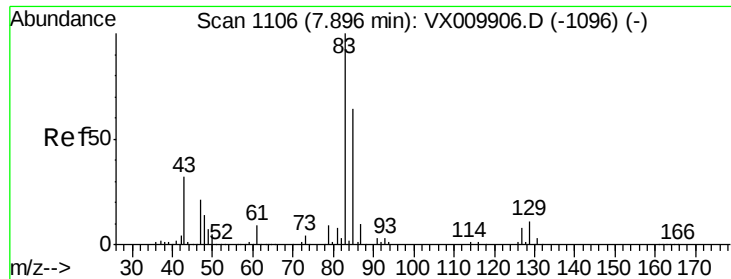
Tot Ion: 63 Resp: 112850
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.7 38.5



#46
 Dibromomethane
 Concen: 46.340 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion: 93 Resp: 64441
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.8 100.2
 174 103.2 81.9 122.9





#47

Bromodichloromethane

Concen: 49.827 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

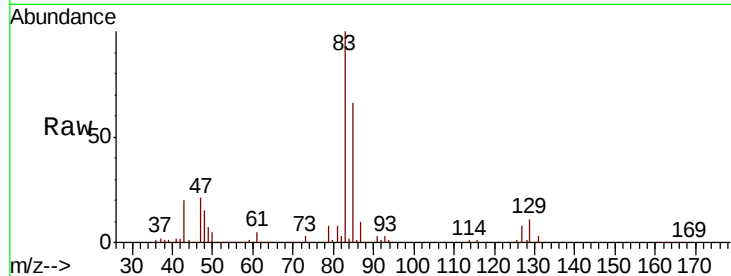
Tot Ion: 83 Resp: 131763

Ion Ratio Lower Upper

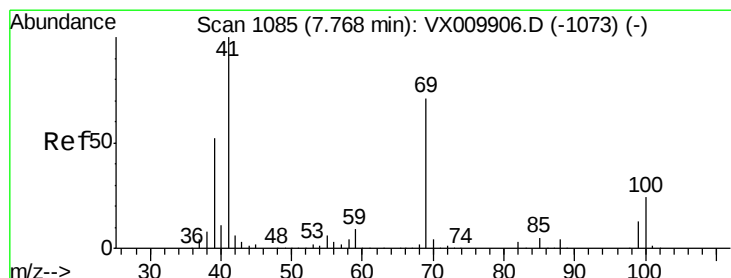
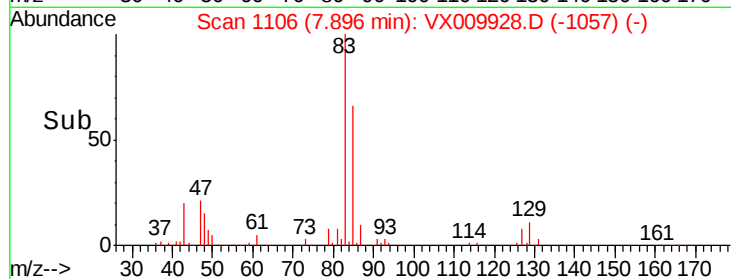
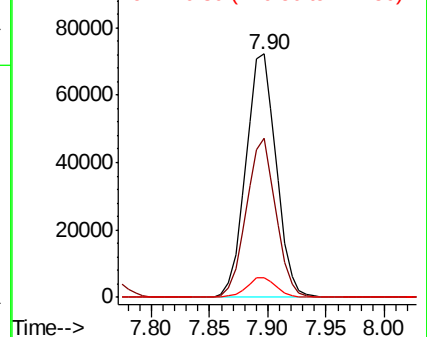
83 100

85 65.5 51.4 77.2

127 8.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.156 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

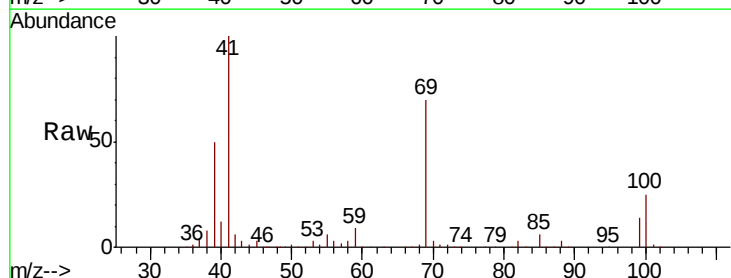
Tgt Ion: 41 Resp: 151356

Ion Ratio Lower Upper

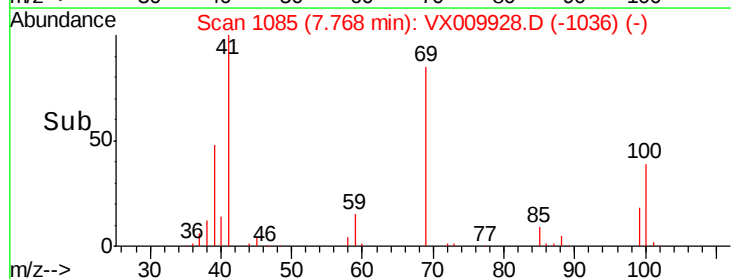
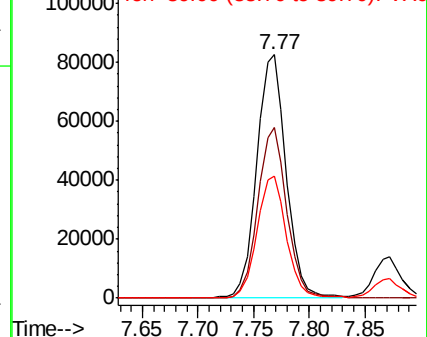
41 100

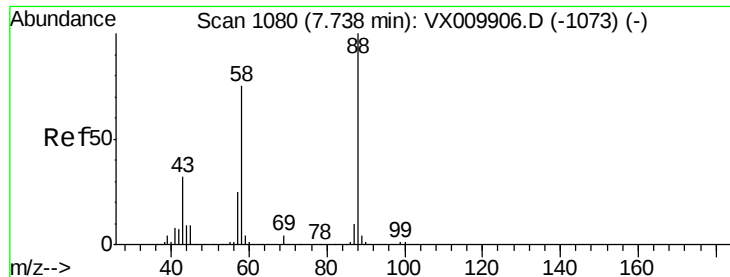
69 70.0 56.4 84.6

39 50.1 40.6 60.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 914.091 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

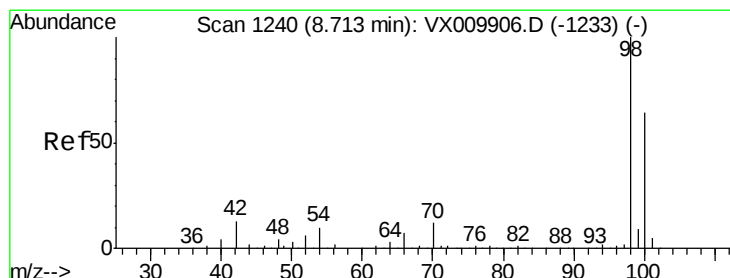
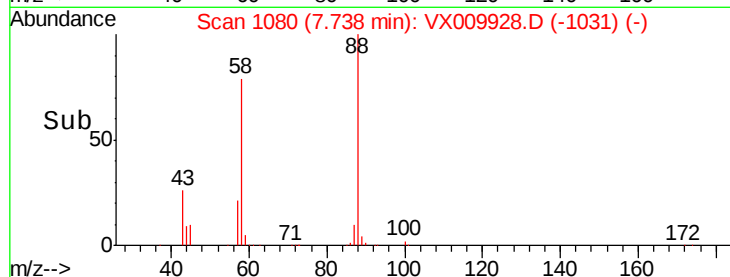
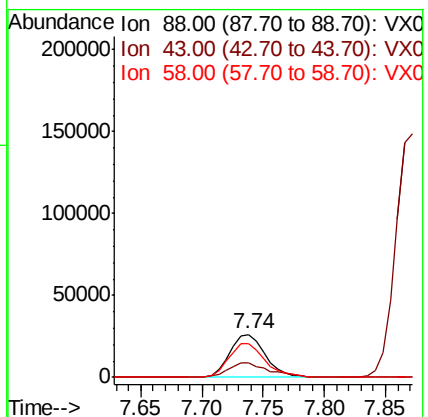
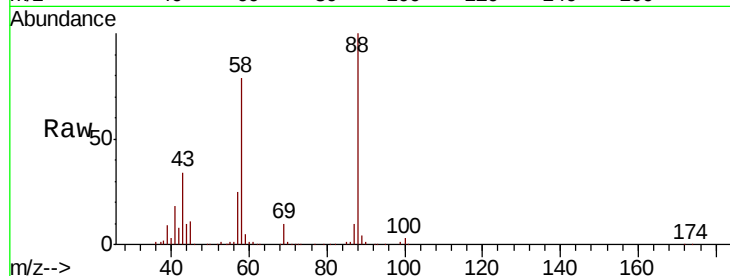
Tot Ion: 88 Resp: 52354

Ion Ratio Lower Upper

88 100

43 40.8 30.2 45.4

58 81.9 64.0 96.0



#50

Toluene-d8

Concen: 49.550 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009928.D

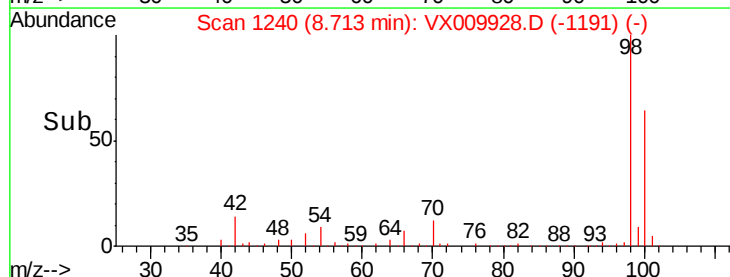
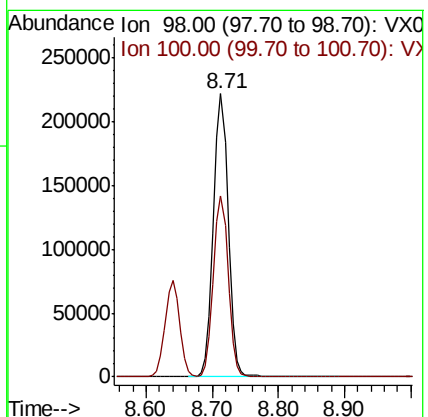
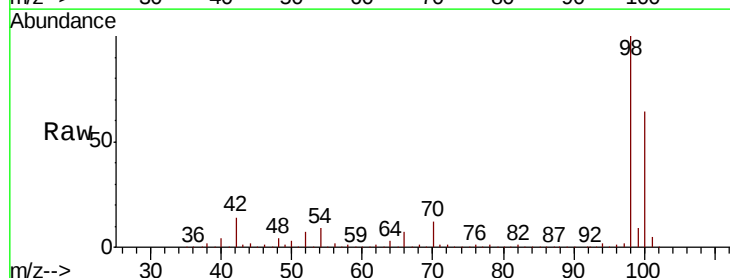
Acq: 29 May 2019 10:08

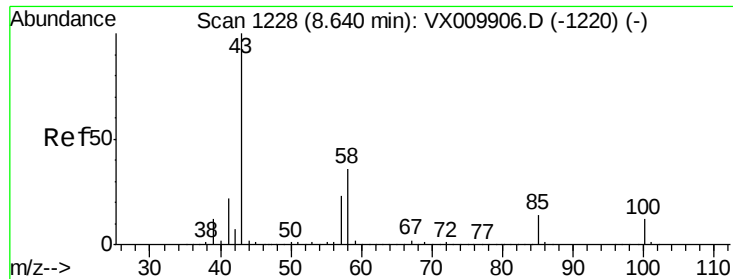
Tgt Ion: 98 Resp: 344937

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 241.757 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

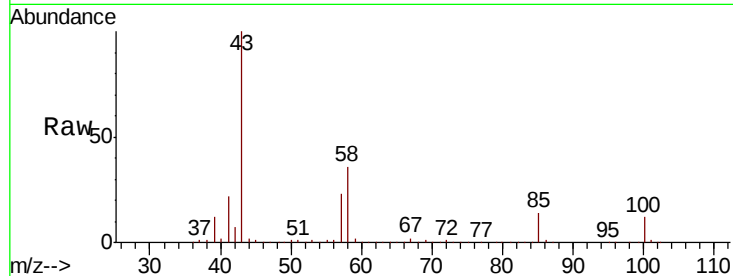
VSTDCCC050

Tot Ion: 43 Resp: 978194

Ion Ratio Lower Upper

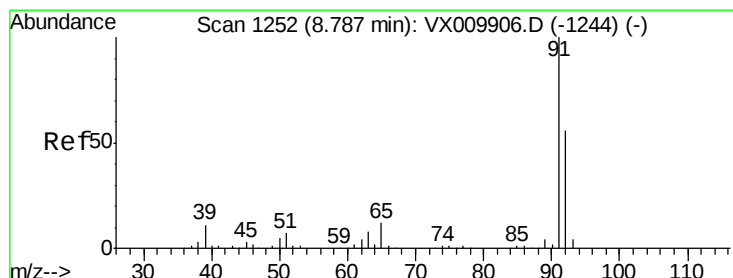
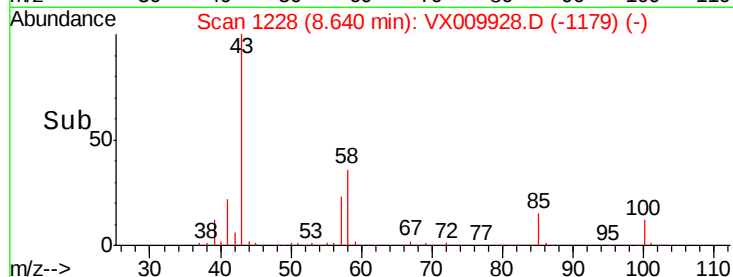
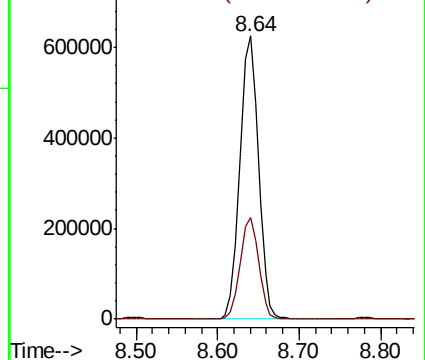
43 100

58 35.7 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.387 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009928.D

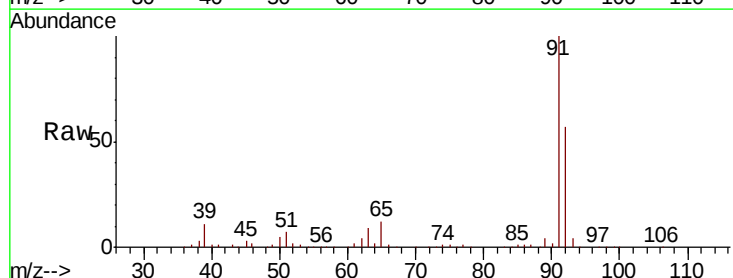
Acq: 29 May 2019 10:08

Tgt Ion: 92 Resp: 246094

Ion Ratio Lower Upper

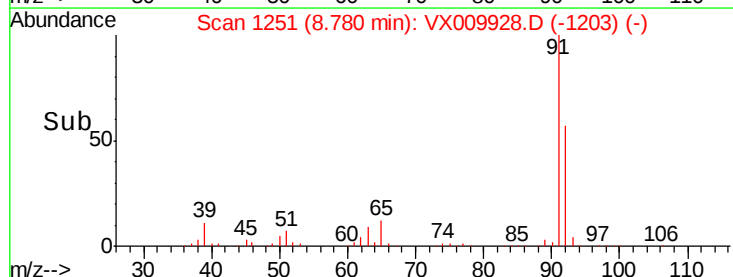
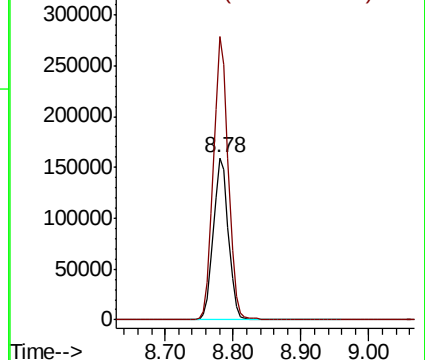
92 100

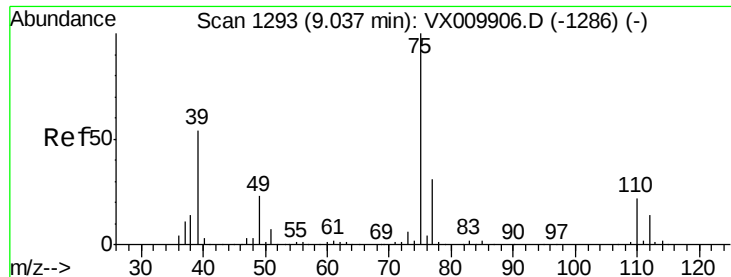
91 172.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

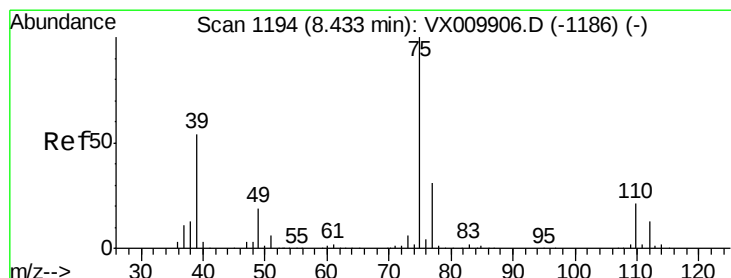
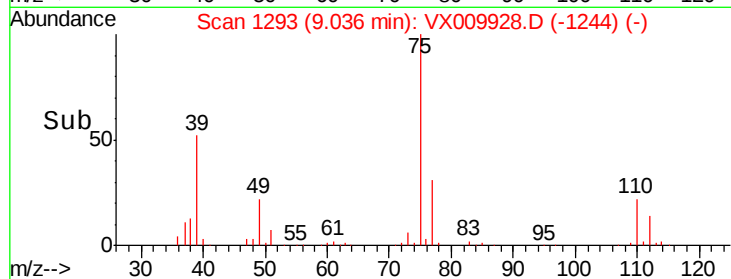
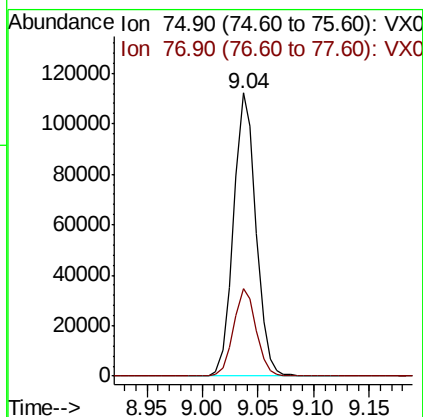
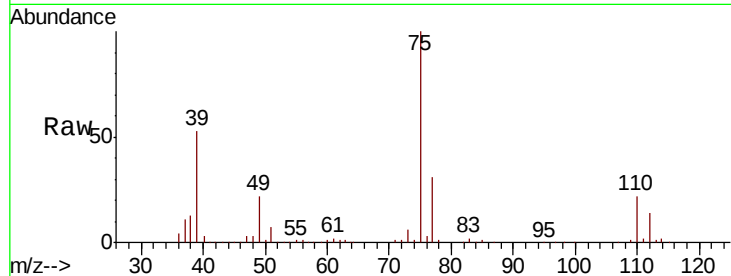




#53
t-1,3-Dichloropropene
Concen: 49.357 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

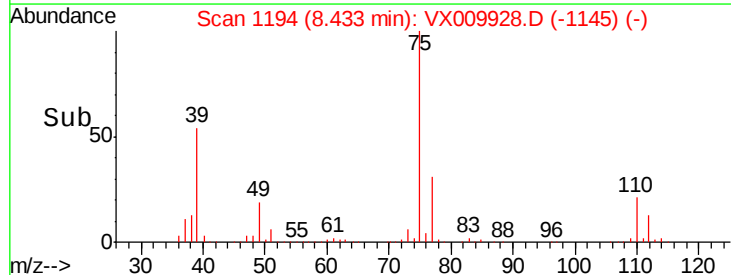
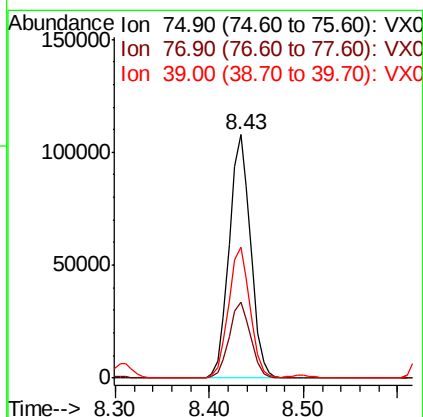
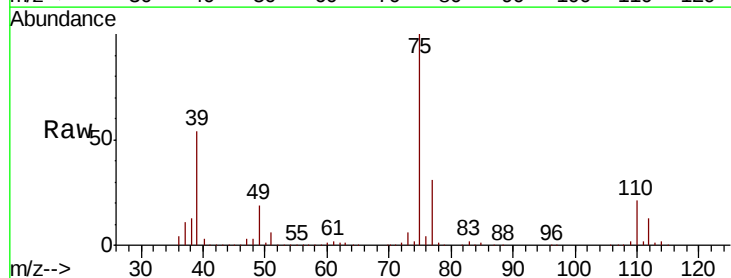
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

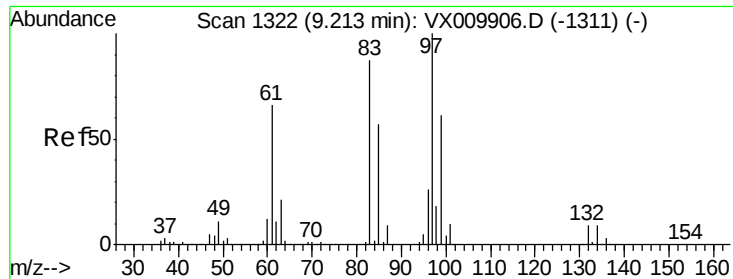
Tot Ion: 75 Resp: 156533
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 49.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 170061
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 53.6 43.4 65.0

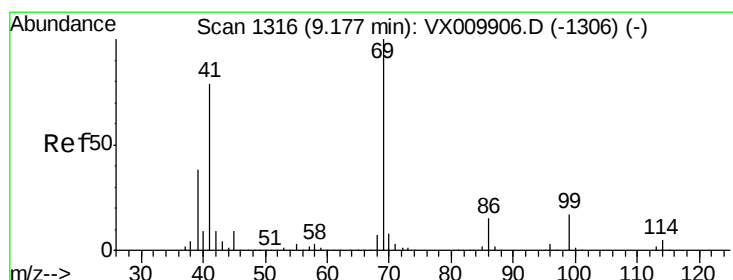
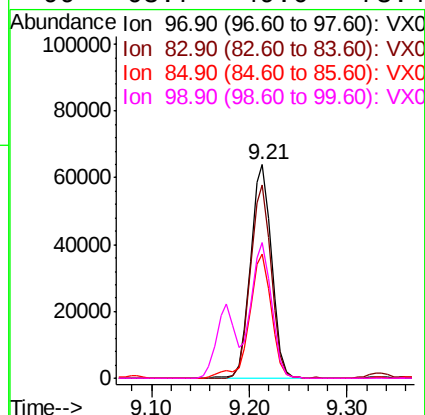
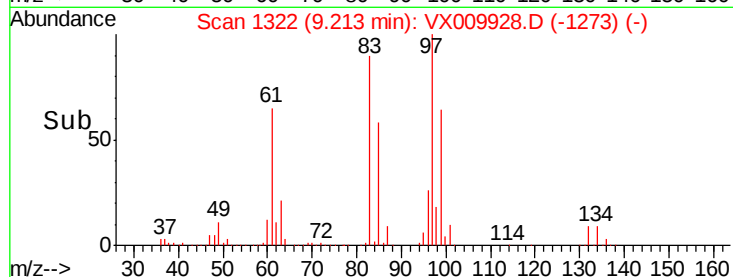
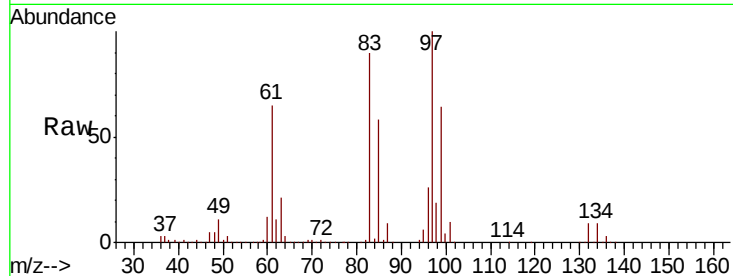




#55
 1,1,2-Trichloroethane
 Concen: 47.702 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

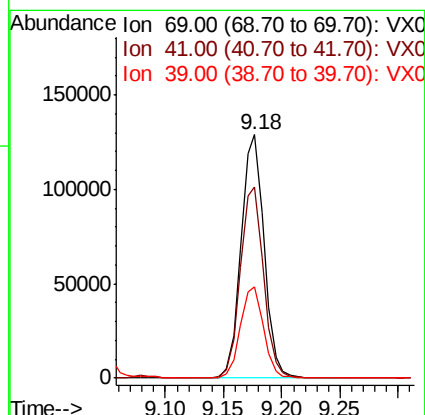
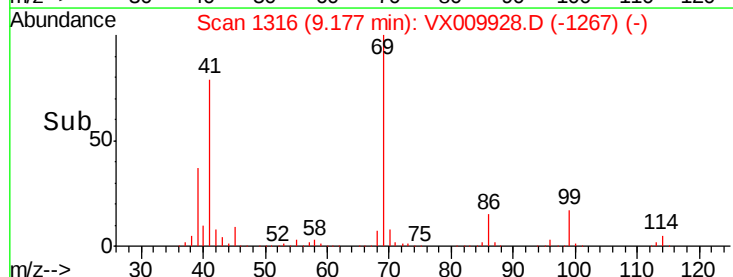
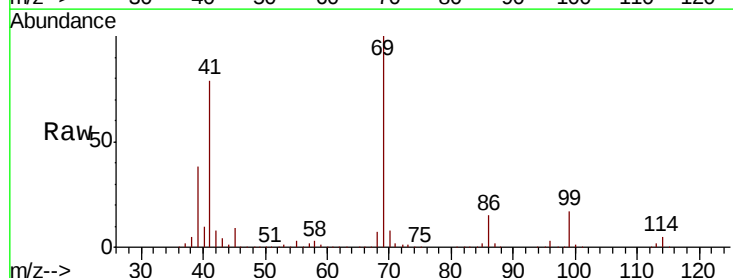
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

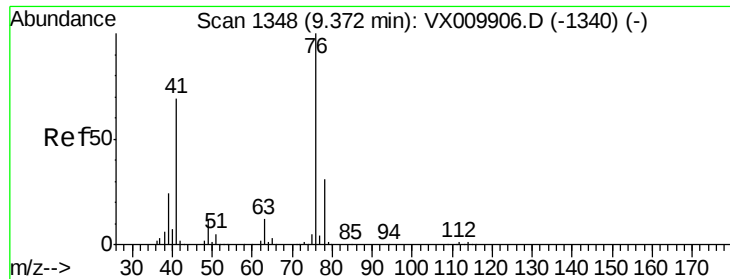
Tot Ion:	97	Resp:	95670
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.8	104.8
85	58.2	45.3	67.9
99	63.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 49.950 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion:	69	Resp:	178346
Ion	Ratio	Lower	Upper
69	100		
41	79.1	62.7	94.1
39	37.9	29.5	44.3





#57

1,3-Dichloropropane

Concen: 47.902 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampled :

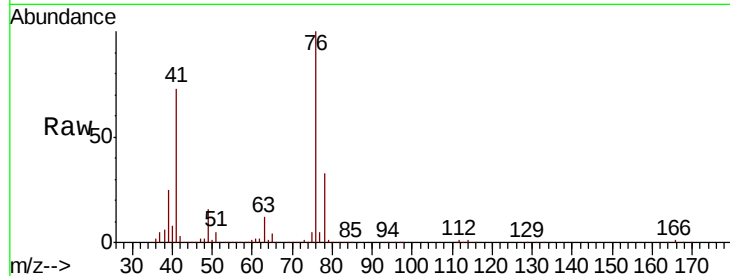
VSTDCCC050

Tot Ion: 76 Resp: 172531

Ion Ratio Lower Upper

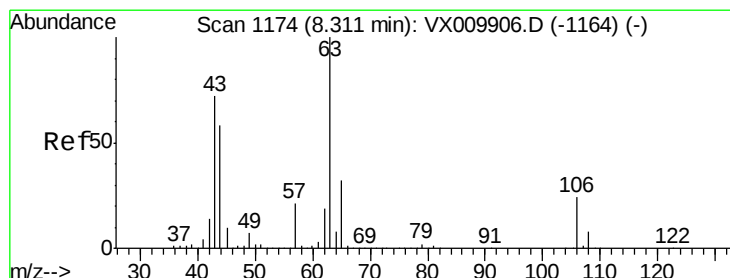
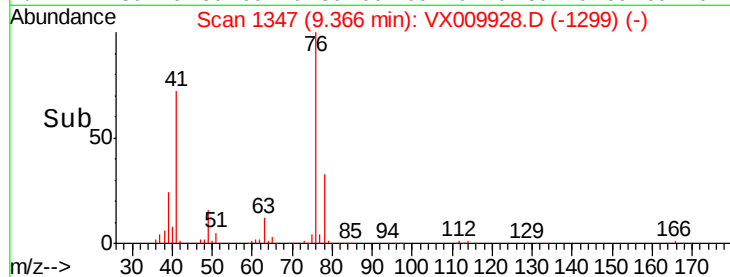
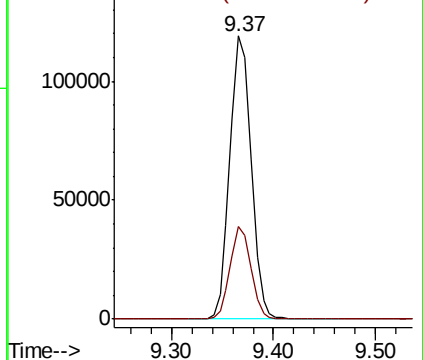
76 100

78 32.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 248.144 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009928.D

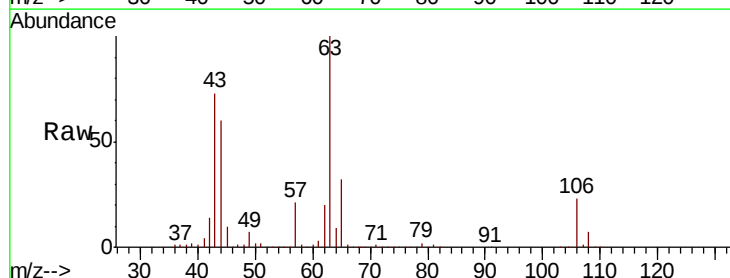
Acq: 29 May 2019 10:08

Tgt Ion: 63 Resp: 464598

Ion Ratio Lower Upper

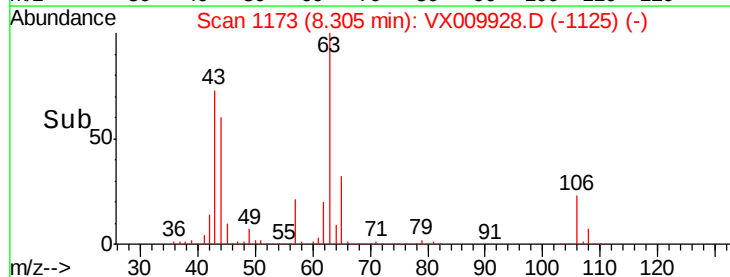
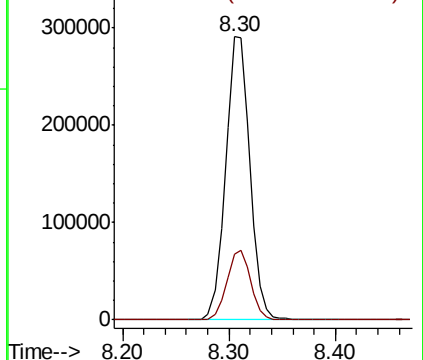
63 100

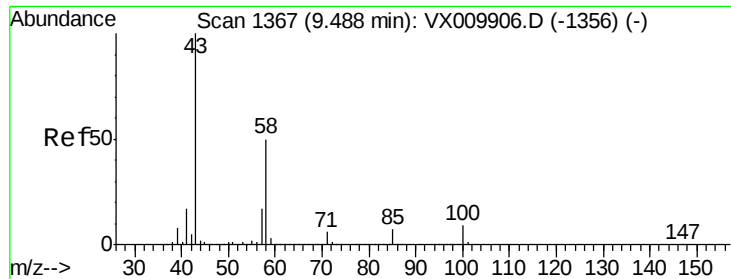
106 24.2 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

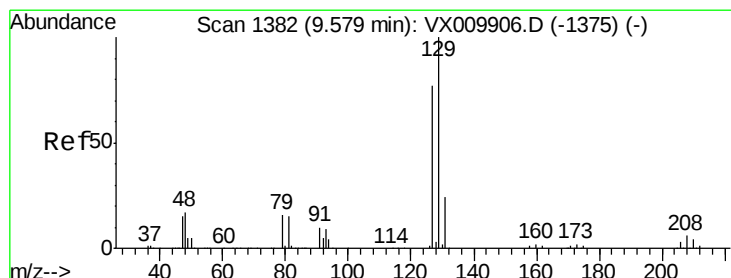
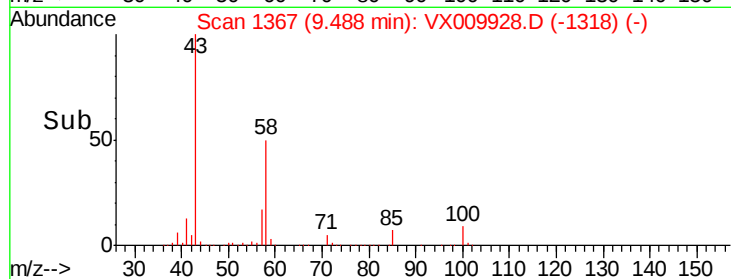
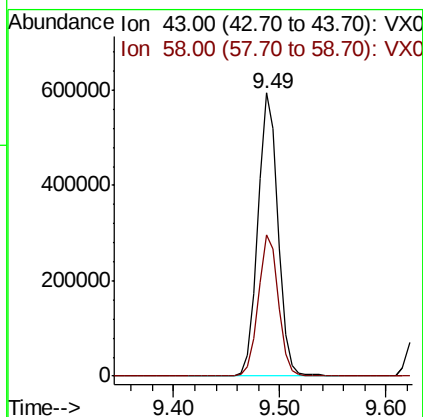
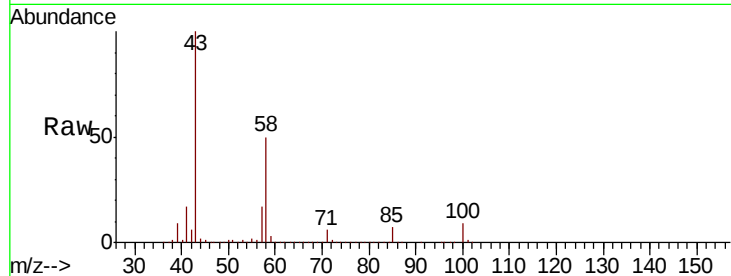




#59
2-Hexanone
Concen: 252.376 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

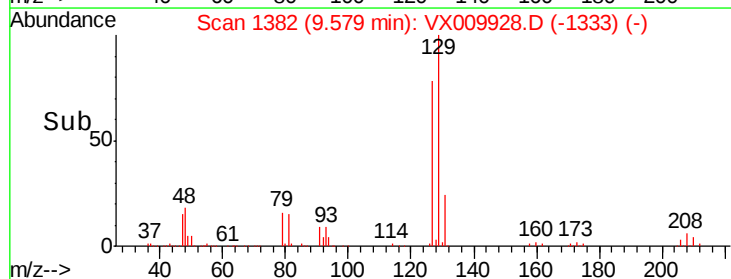
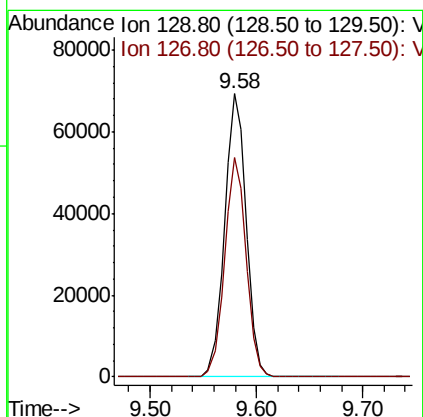
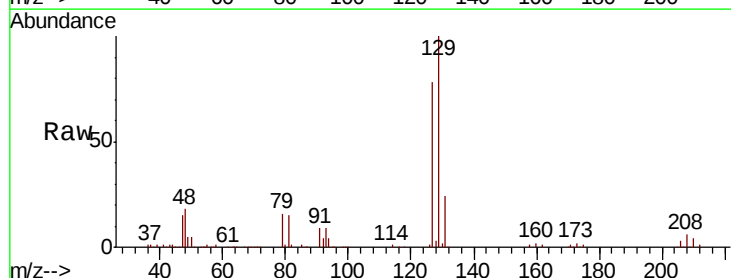
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

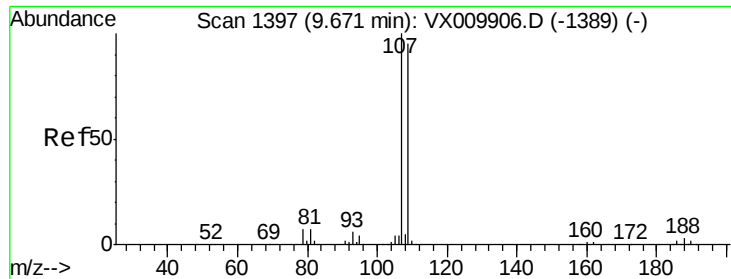
Tot Ion: 43 Resp: 786192
Ion Ratio Lower Upper
43 100
58 50.0 25.1 75.3



#60
Dibromochloromethane
Concen: 49.858 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 129 Resp: 98363
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.954 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

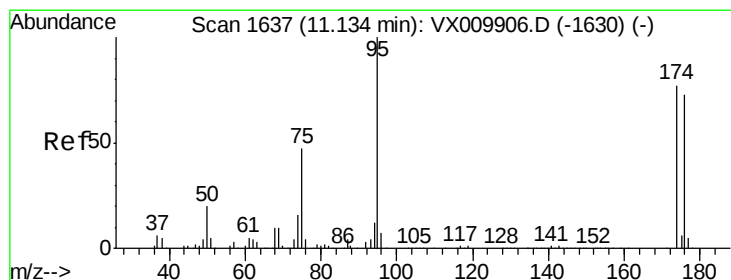
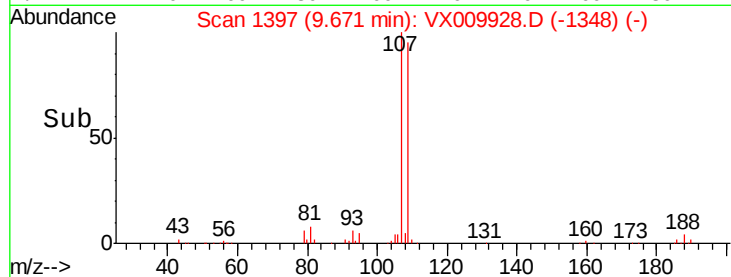
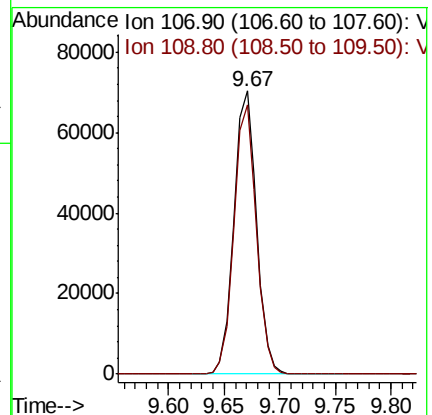
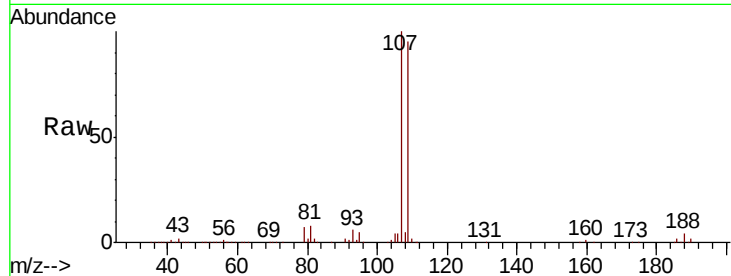
VSTDCCC050

Tot Ion:107 Resp: 98805

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 50.586 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

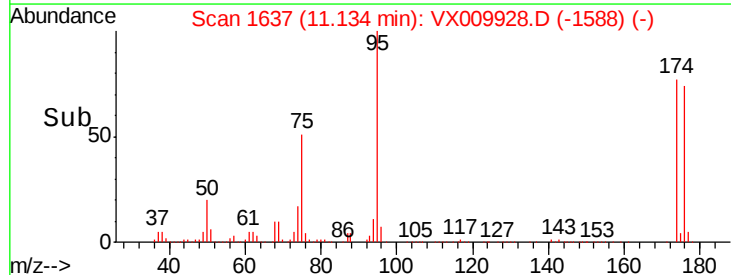
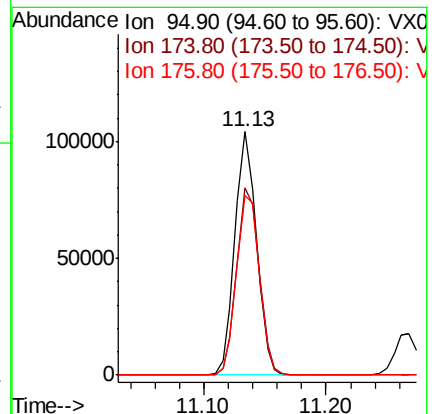
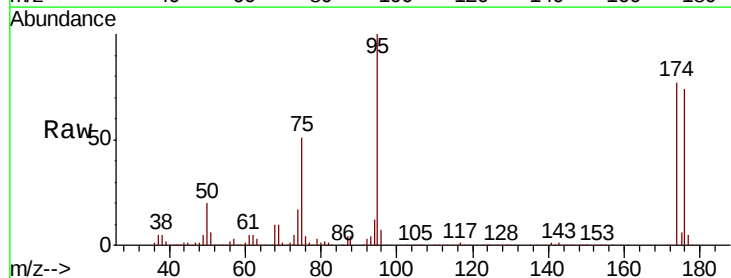
Tgt Ion: 95 Resp: 126484

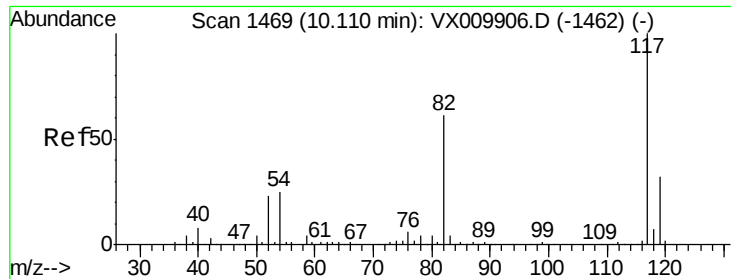
Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.4

176 78.9 0.0 154.6

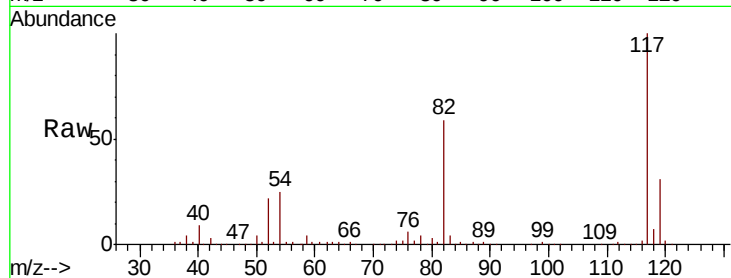




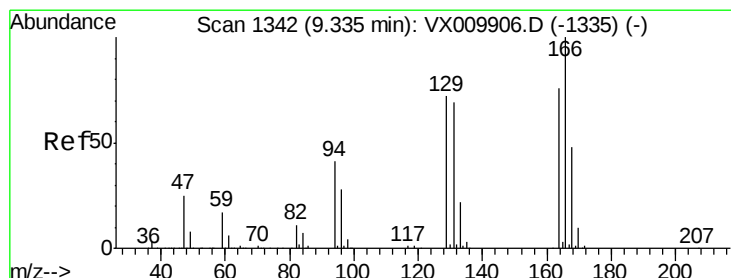
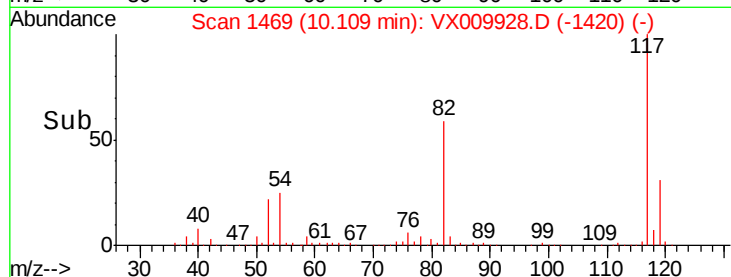
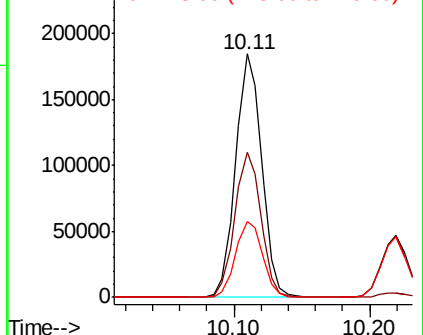
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 246865
Ion Ratio Lower Upper
117 100
82 59.3 49.2 73.8
119 31.4 25.2 37.8



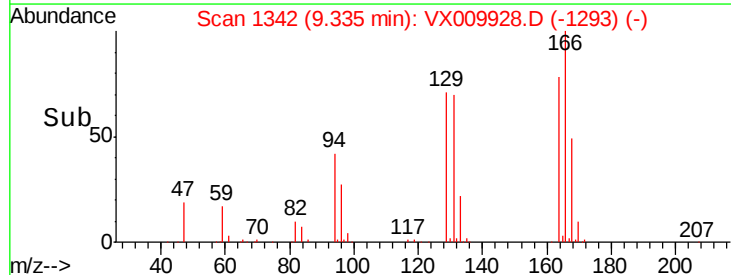
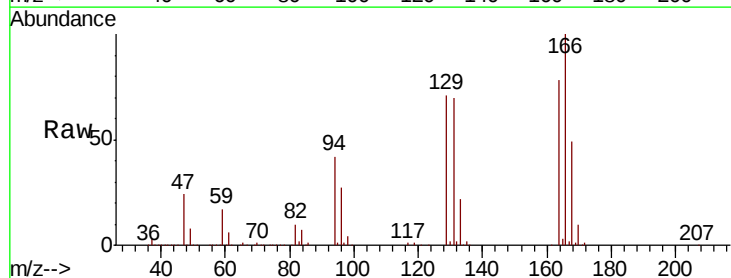
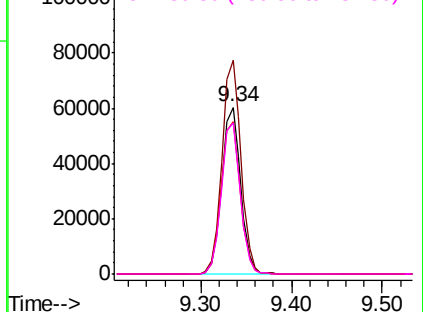
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

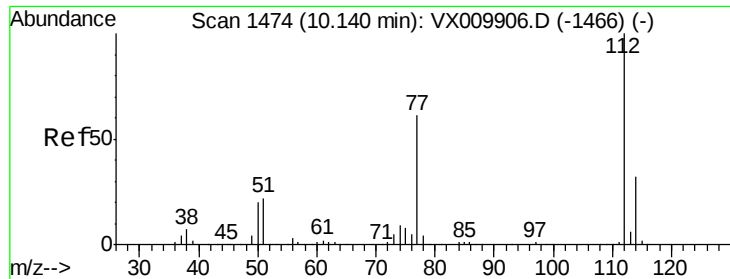


#64
Tetrachloroethene
Concen: 50.891 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:164 Resp: 87754
Ion Ratio Lower Upper
164 100
166 128.0 105.0 157.4
129 91.3 75.1 112.7
131 90.1 72.2 108.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

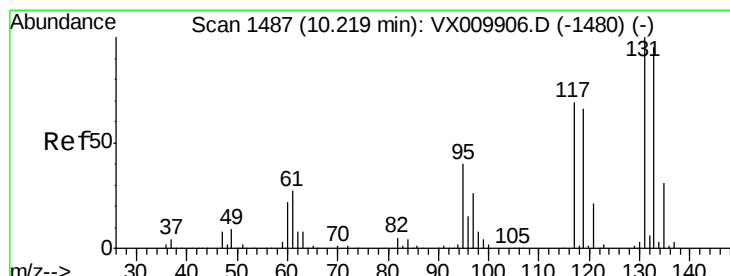
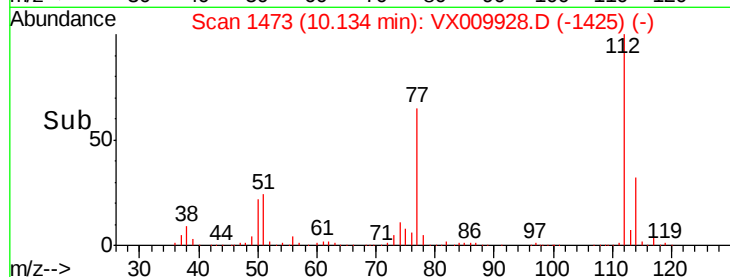
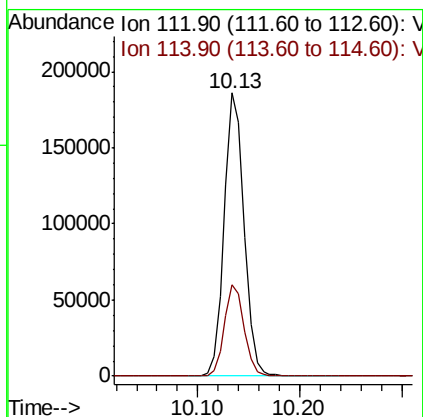
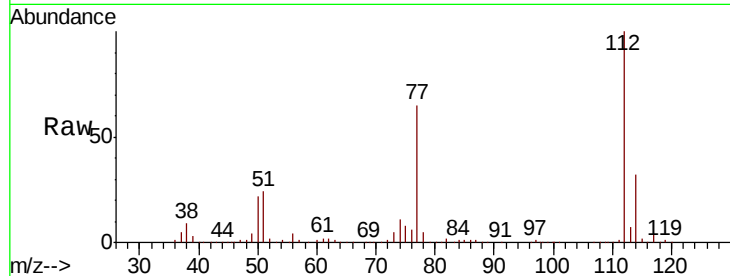




#65
Chlorobenzene
Concen: 48.555 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

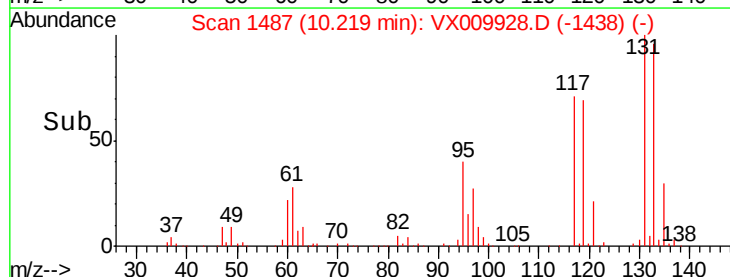
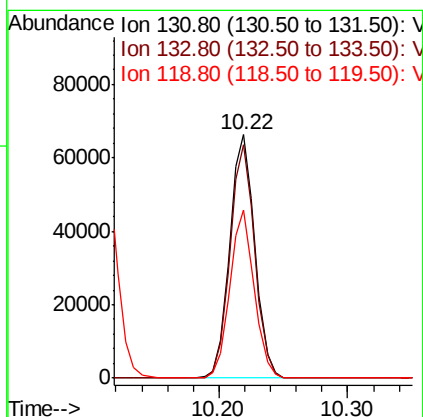
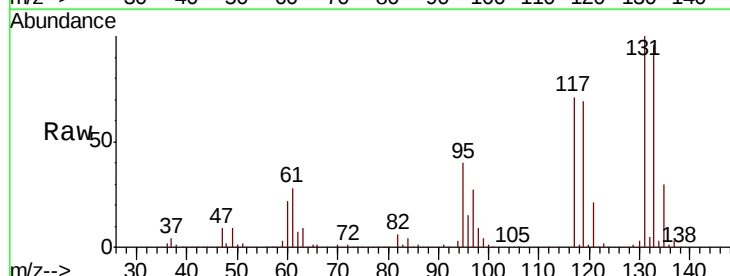
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

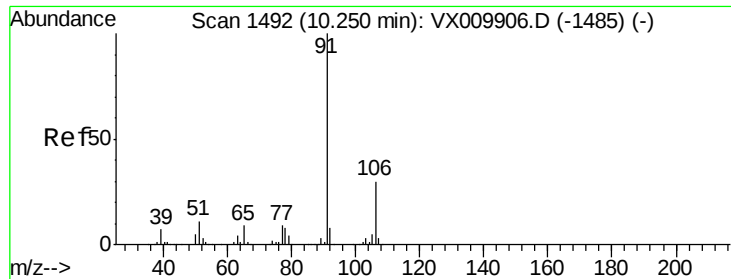
Tot Ion:112 Resp: 250938
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.431 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:131 Resp: 90399
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.6
119 66.9 33.4 100.1





#67

Ethyl Benzene

Concen: 51.441 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

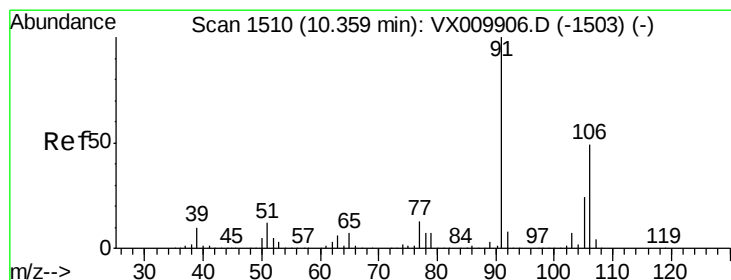
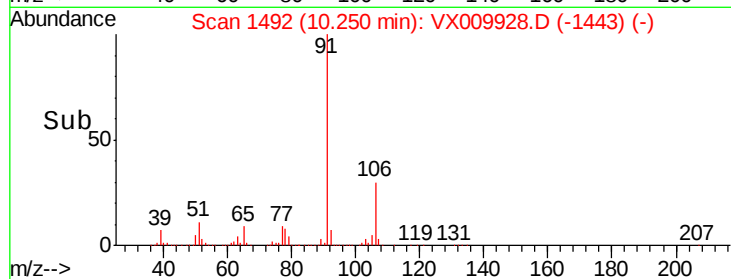
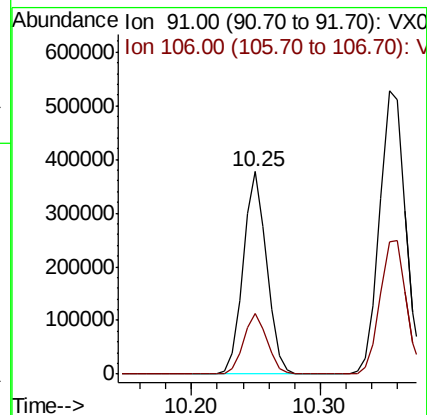
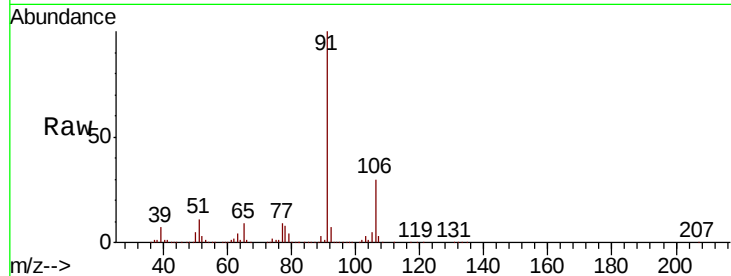
VSTDCCC050

Tot Ion: 91 Resp: 477347

Ion Ratio Lower Upper

91 100

106 29.7 23.9 35.9



#68

m/p-Xylenes

Concen: 101.313 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009928.D

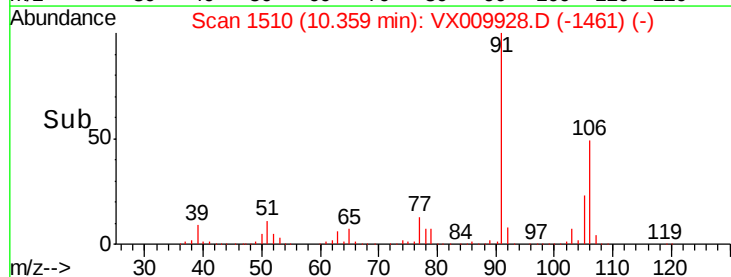
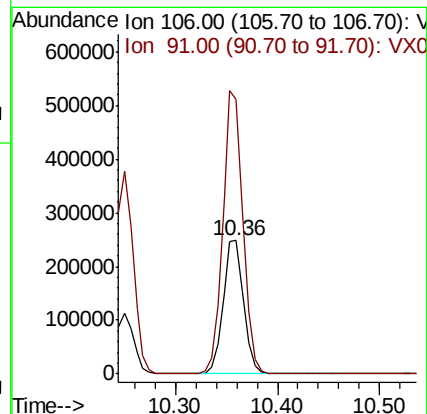
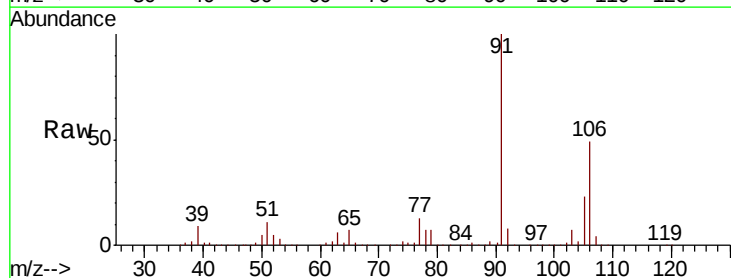
Acq: 29 May 2019 10:08

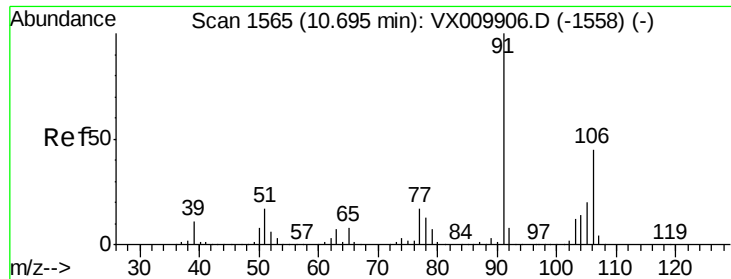
Tgt Ion: 106 Resp: 347318

Ion Ratio Lower Upper

106 100

91 209.3 167.3 250.9

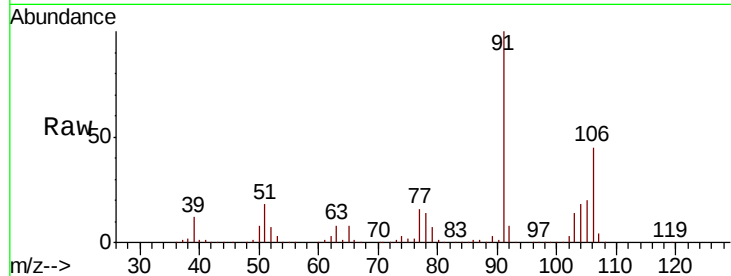




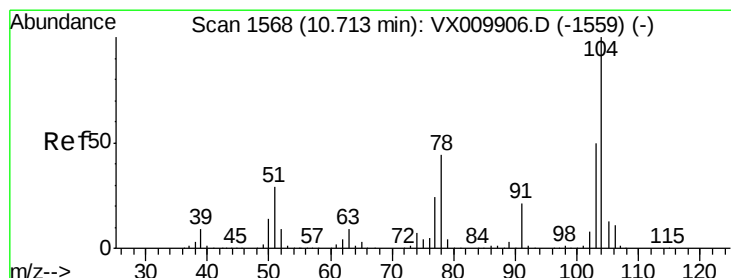
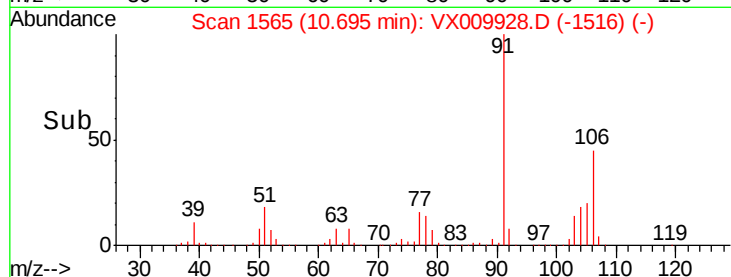
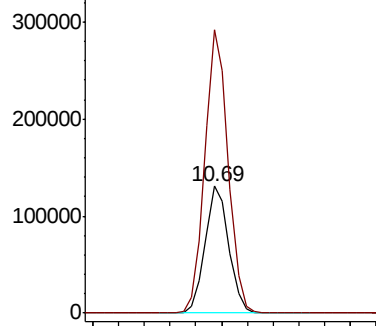
#69
o-Xylene
Concen: 50.755 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 166871
Ion Ratio Lower Upper
106 100
91 220.3 110.4 331.2

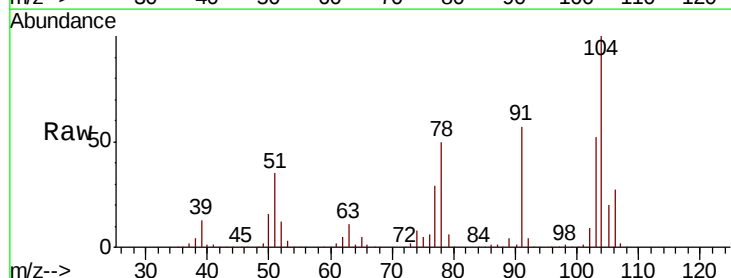


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

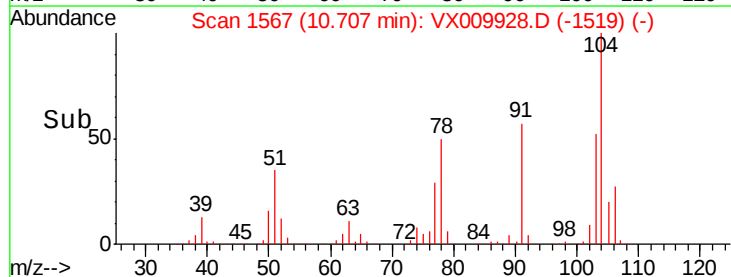
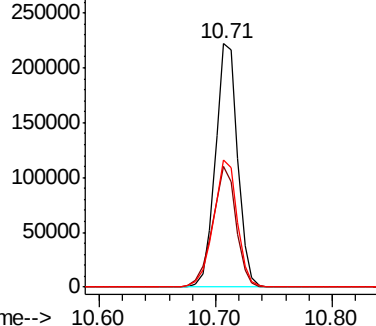


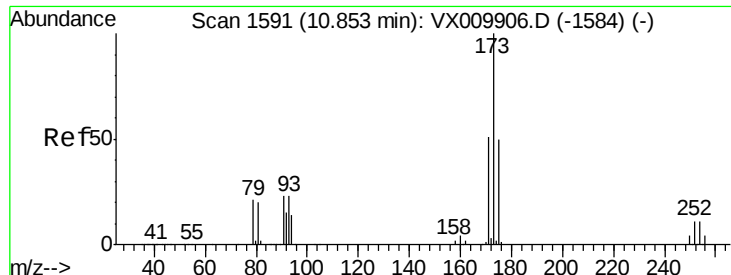
#70
Styrene
Concen: 51.503 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:104 Resp: 296921
Ion Ratio Lower Upper
104 100
78 52.2 42.1 63.1
103 55.5 44.1 66.1



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





#71

Bromoform

Concen: 51.866 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

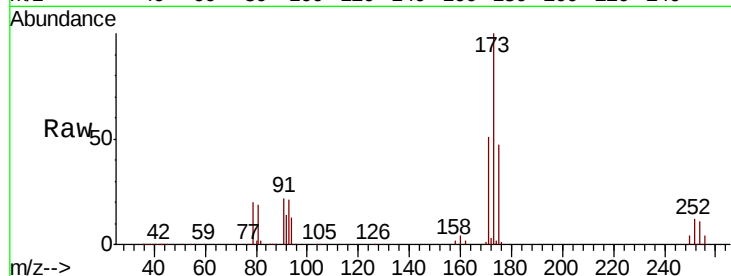
Tot Ion:173 Resp: 75995

Ion Ratio Lower Upper

173 100

175 48.5 25.0 75.0

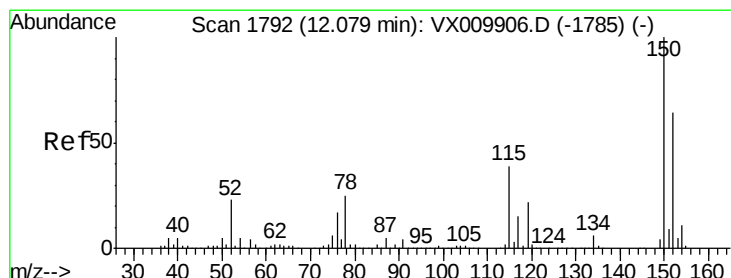
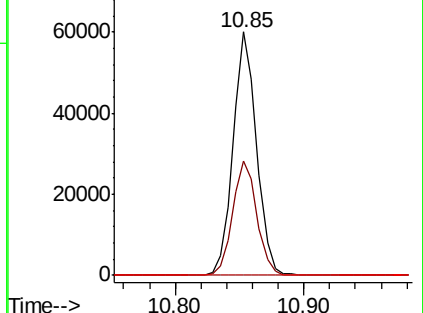
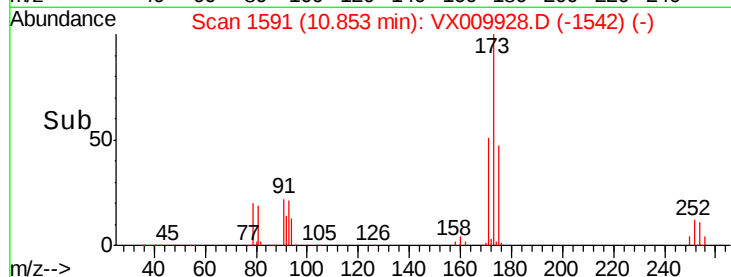
254 0.2 0.2 0.2



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: VX009928.D

Acq: 29 May 2019 10:08

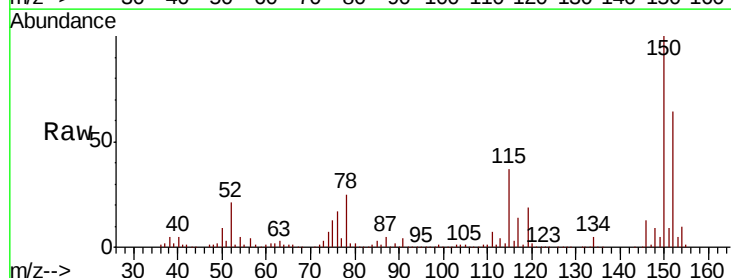
Tgt Ion:152 Resp: 124059

Ion Ratio Lower Upper

152 100

115 82.3 41.4 124.2

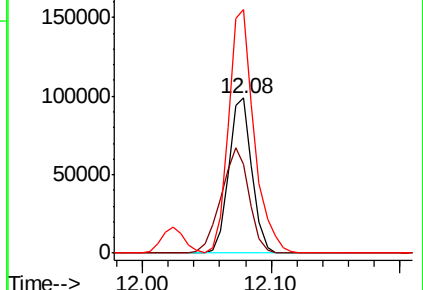
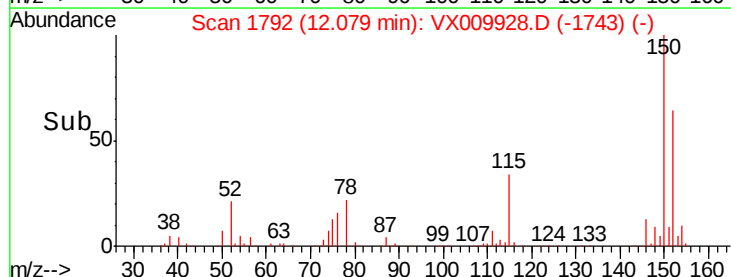
150 173.6 0.0 345.2

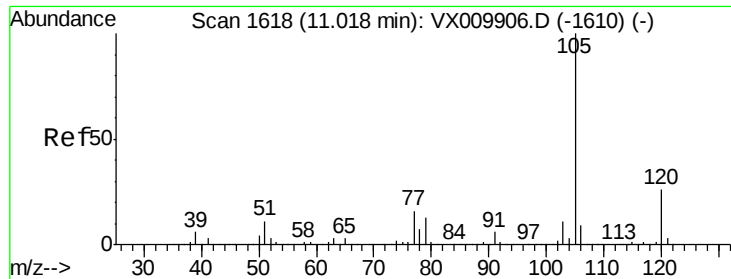


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.702 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

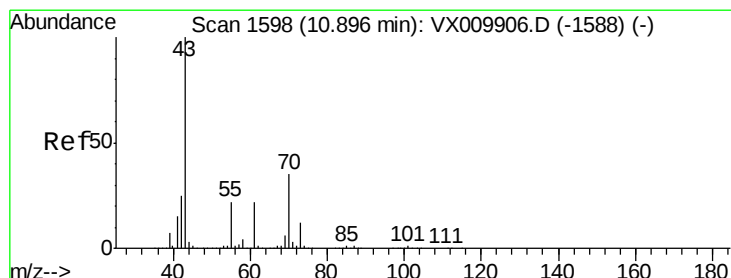
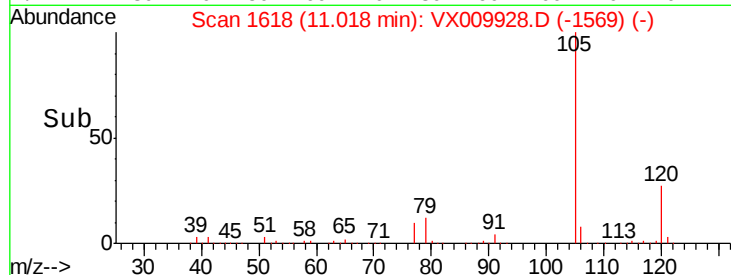
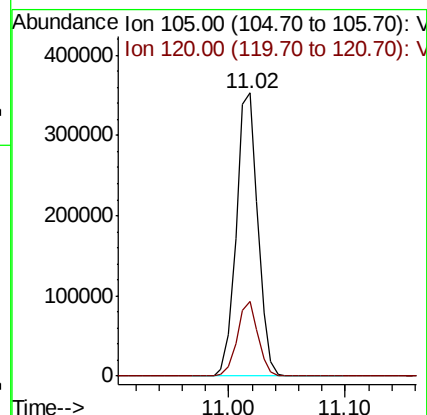
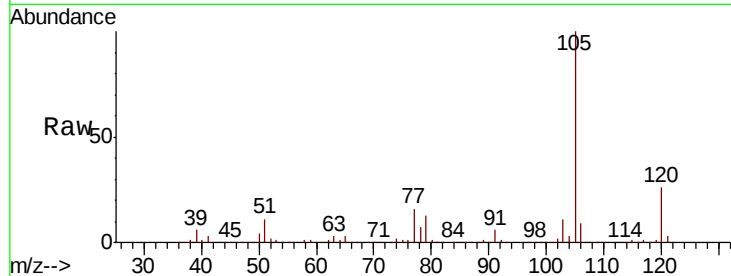
VSTDCCC050

Tot Ion:105 Resp: 454939

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4



#74

N-ethyl acetate

Concen: 48.762 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 266709

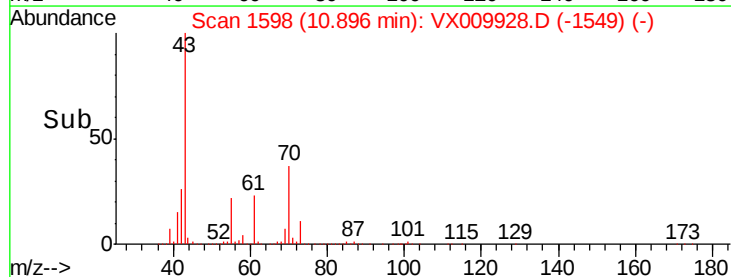
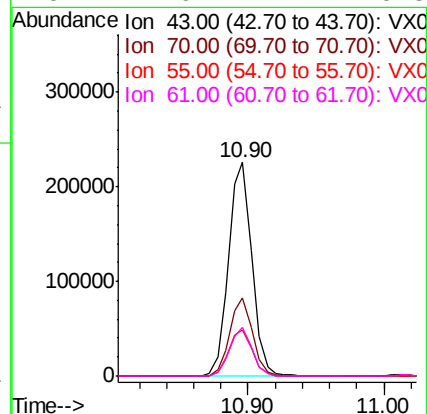
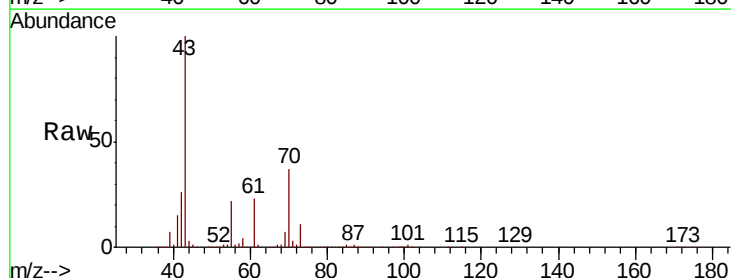
Ion Ratio Lower Upper

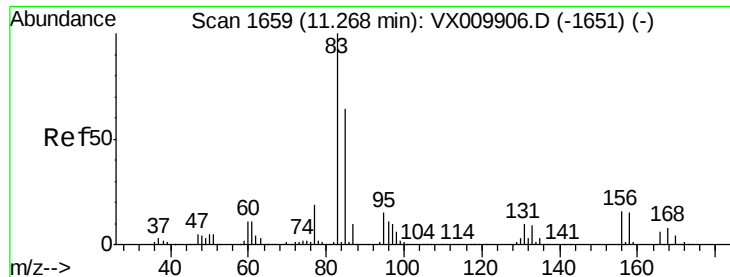
43 100

70 35.9 28.6 43.0

55 21.8 17.8 26.8

61 21.9 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.853 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

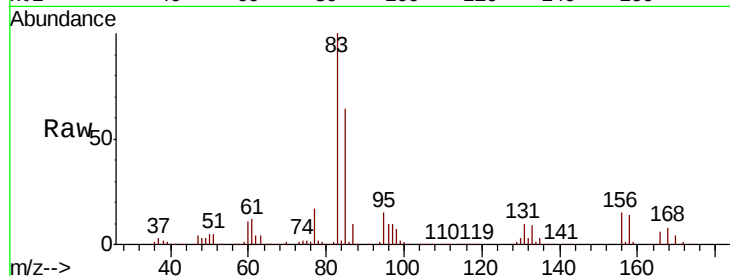
Tot Ion: 83 Resp: 159996

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

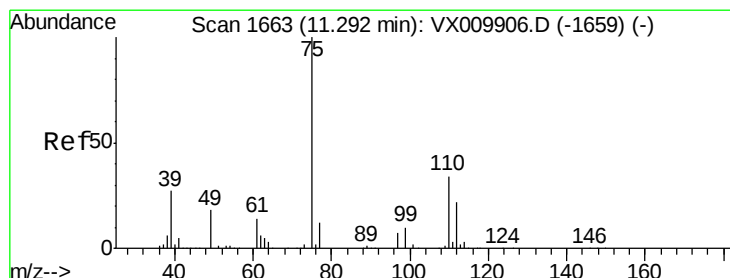
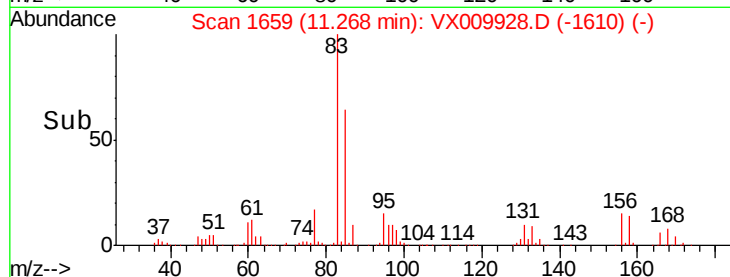
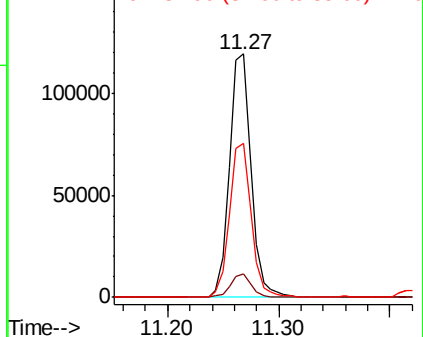
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.537 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009928.D

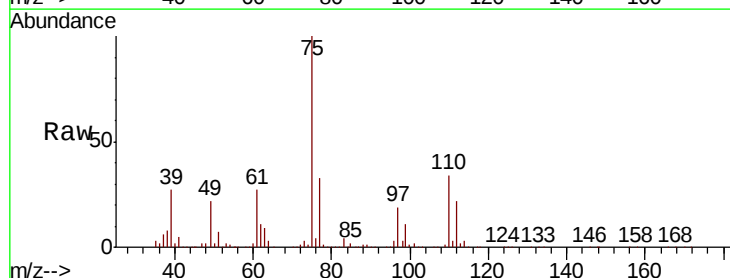
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 194425

Ion Ratio Lower Upper

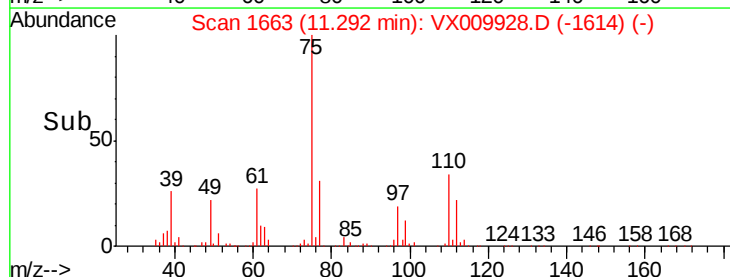
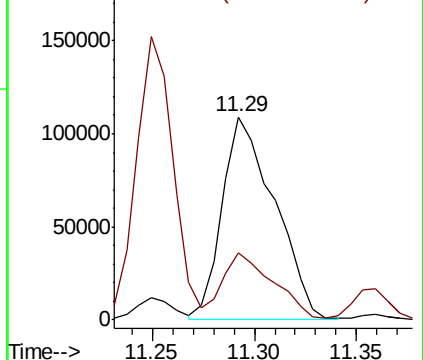
75 100

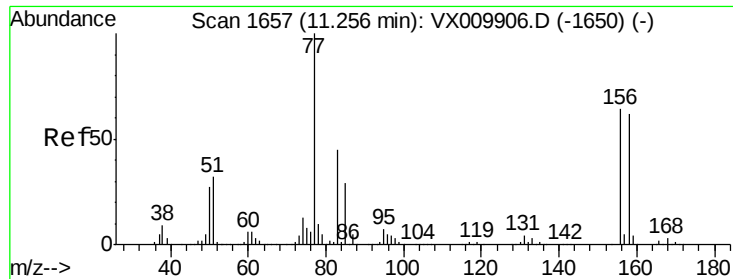
77 31.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.851 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

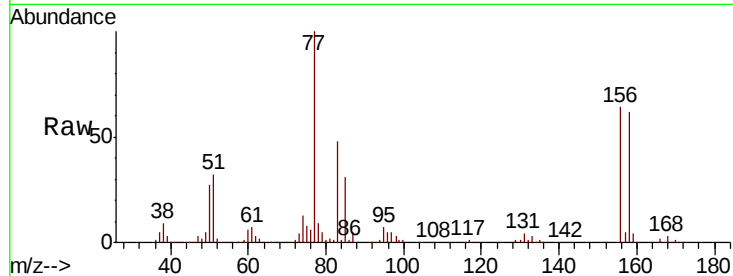
Tot Ion:156 Resp: 111622

Ion Ratio Lower Upper

156 100

77 171.0 86.8 260.3

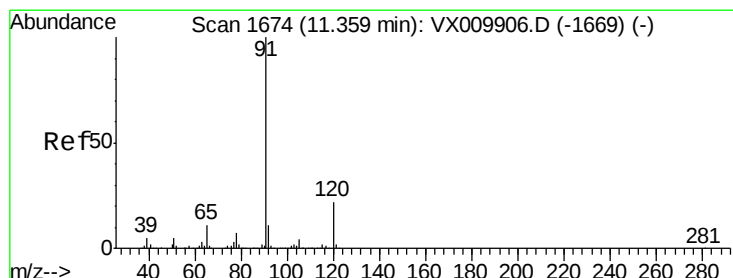
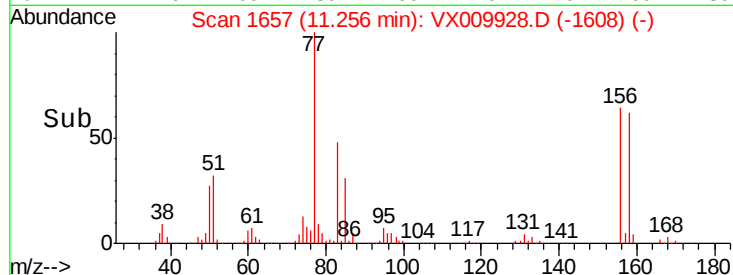
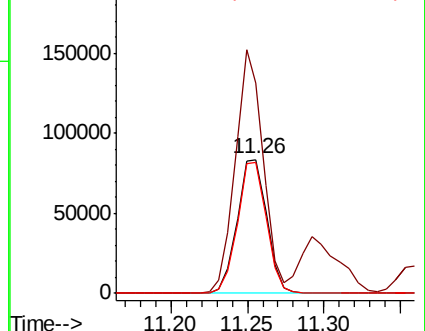
158 96.3 49.6 148.8



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: 50.766 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009928.D

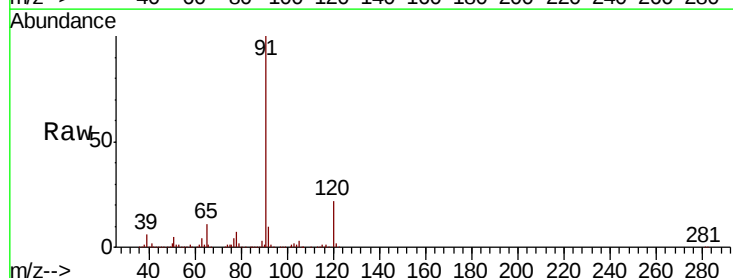
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 535621

Ion Ratio Lower Upper

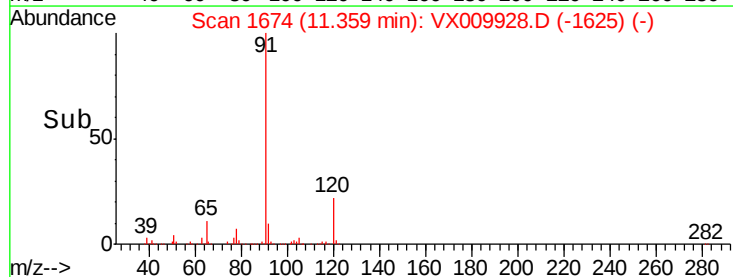
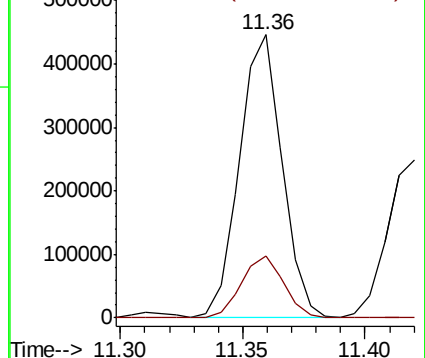
91 100

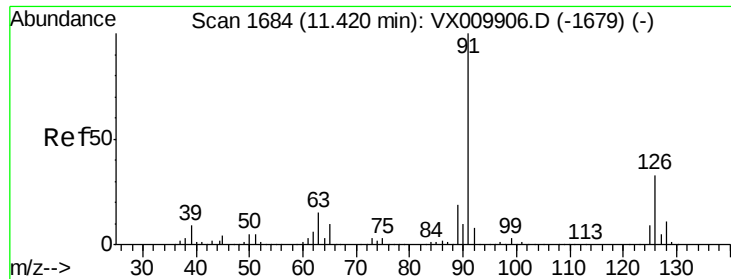
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.658 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

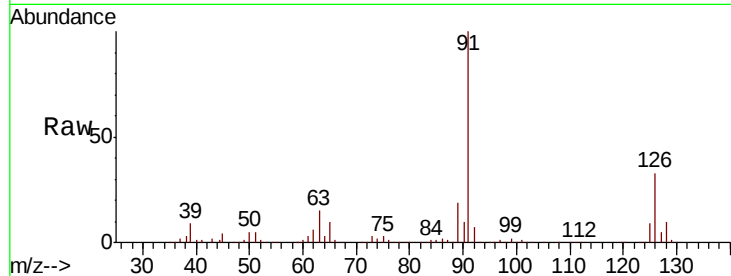
VSTDCCC050

Tot Ion: 91 Resp: 313660

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX009906.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009906.D (-1679) (-)

500000

400000

300000

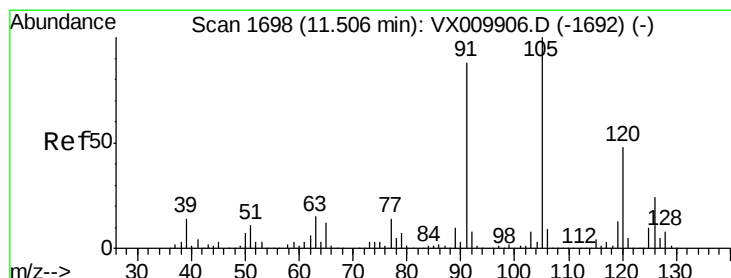
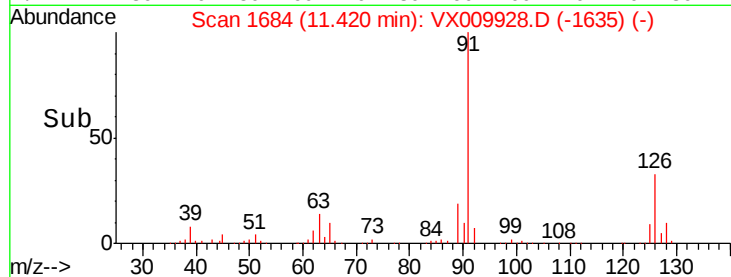
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.301 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009928.D

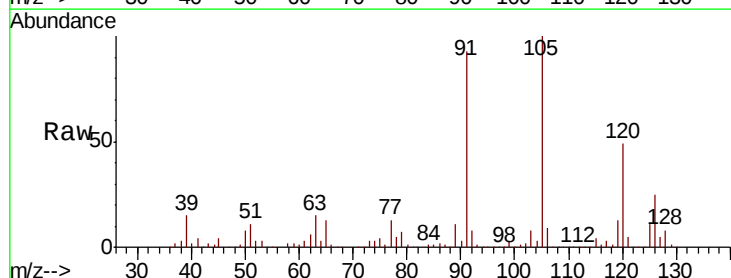
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 387888

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009906.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009906.D (-1692) (-)

300000

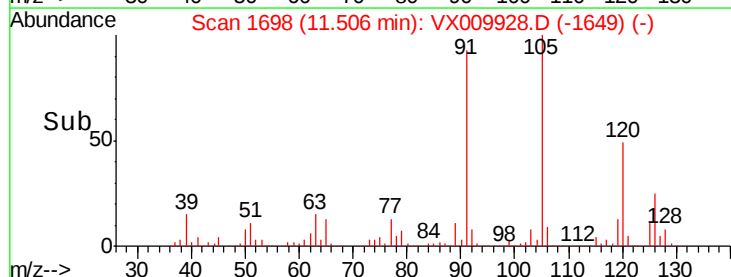
200000

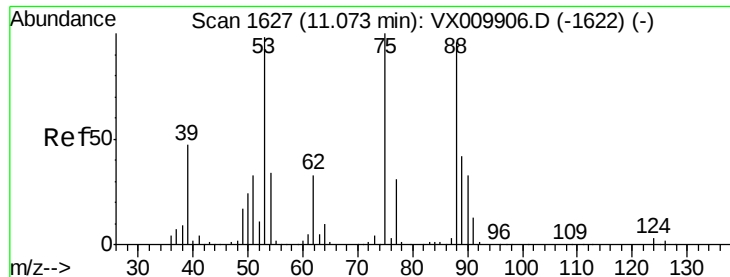
100000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.499 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

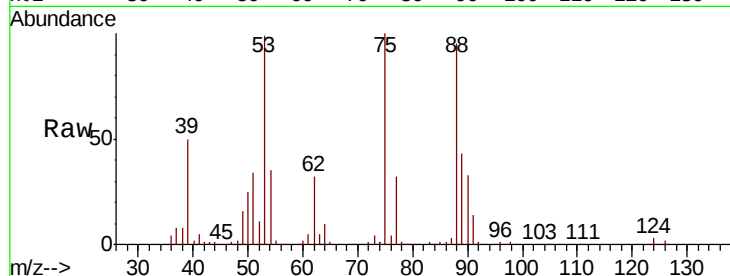
Tot Ion: 75 Resp: 58153

Ion Ratio Lower Upper

75 100

53 101.5 79.8 119.6

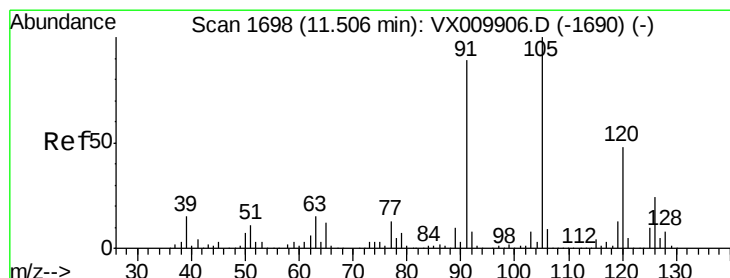
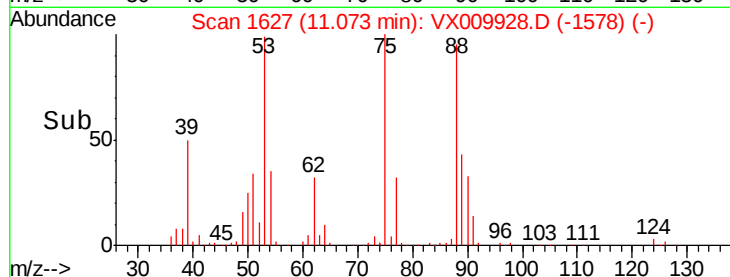
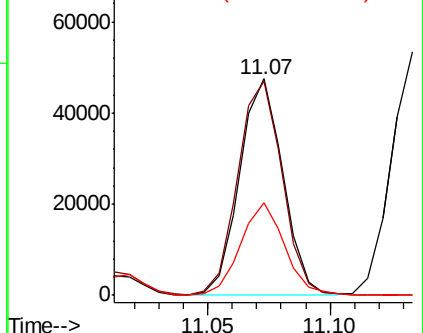
89 43.6 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.920 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009928.D

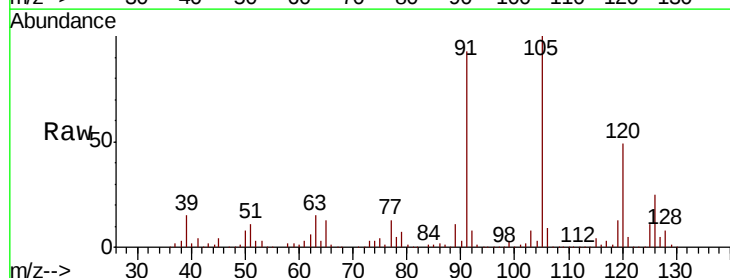
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 367100

Ion Ratio Lower Upper

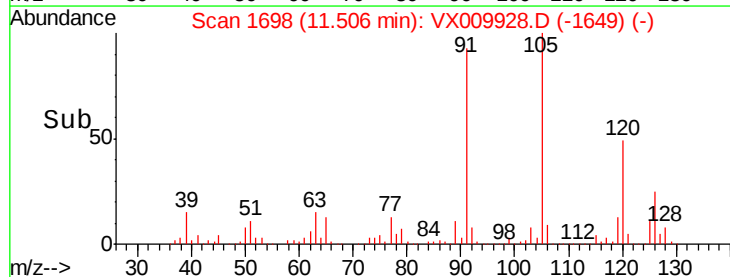
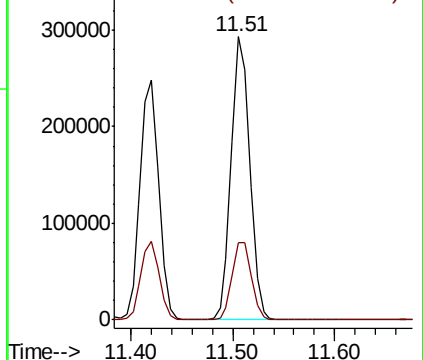
91 100

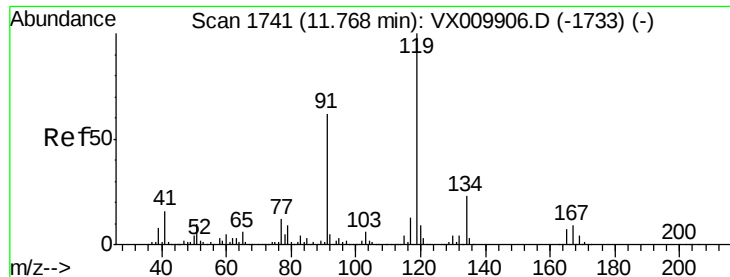
126 28.6 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

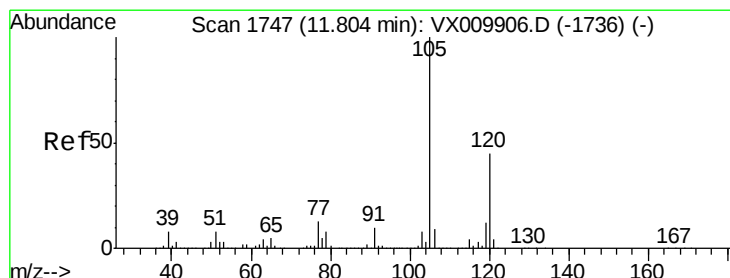
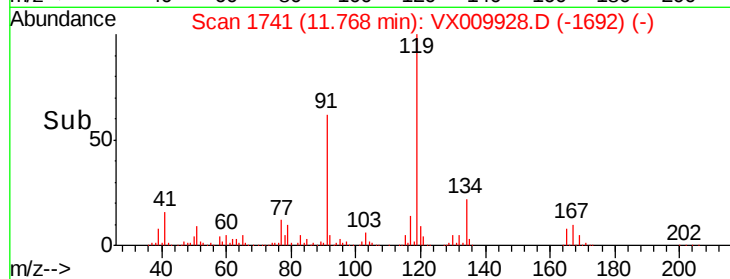
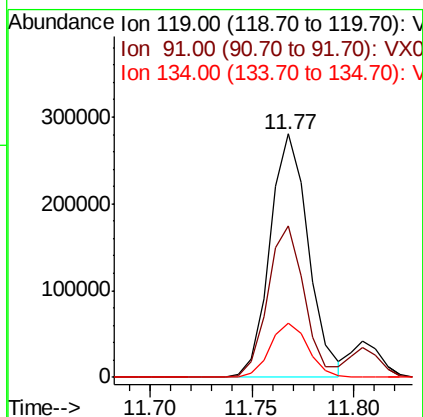
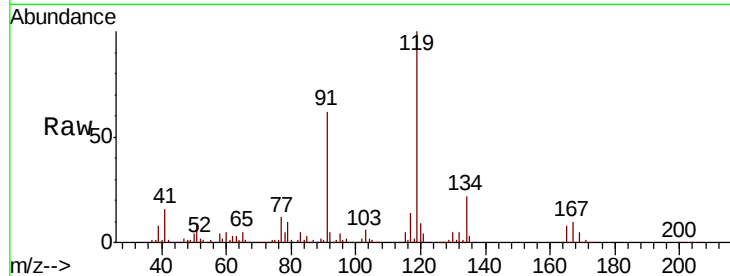




#83
tert-Butylbenzene
Concen: 49.852 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

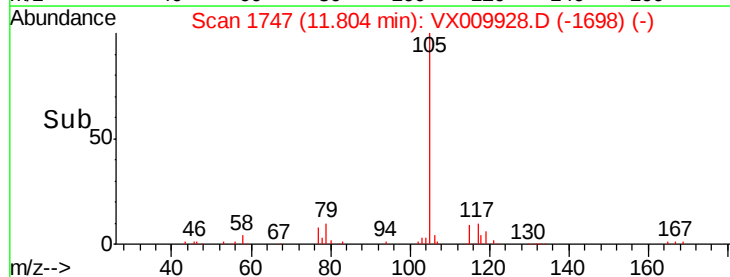
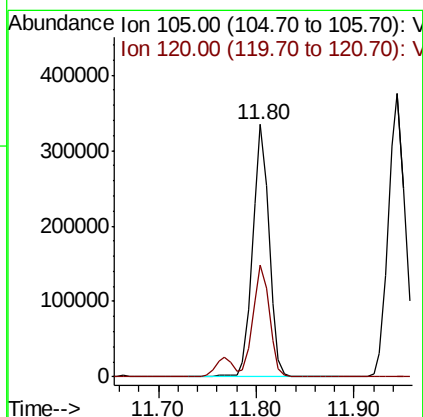
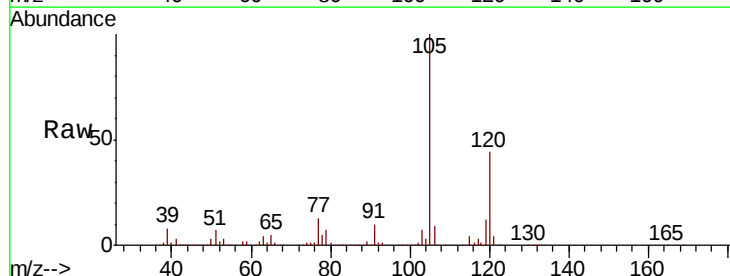
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

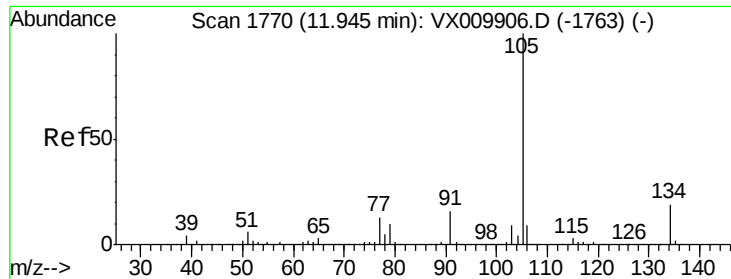
Tot Ion:119 Resp: 367781
Ion Ratio Lower Upper
119 100
91 59.9 30.0 90.0
134 21.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.575 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 388237
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.185 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

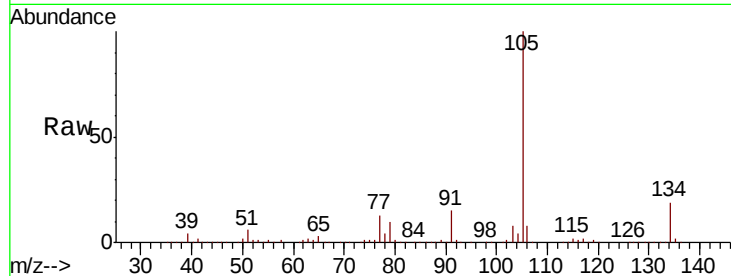
VSTDCCC050

Tot Ion:105 Resp: 449238

Ion Ratio Lower Upper

105 100

134 19.1 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

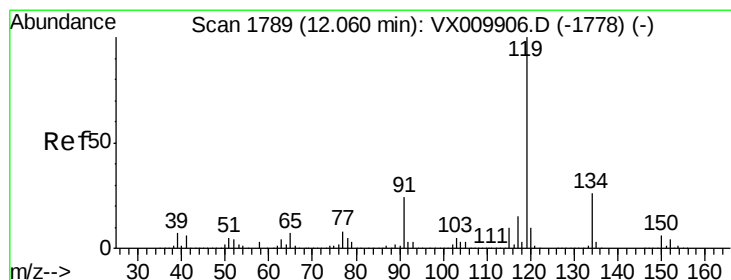
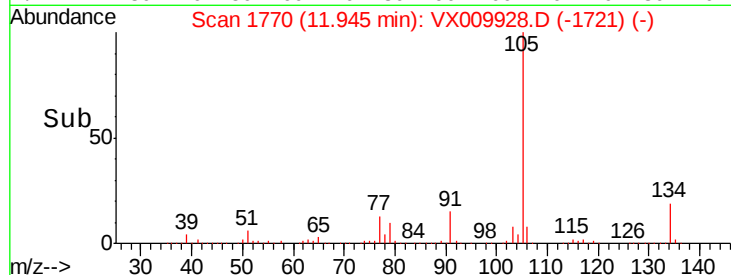
200000

100000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 51.877 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

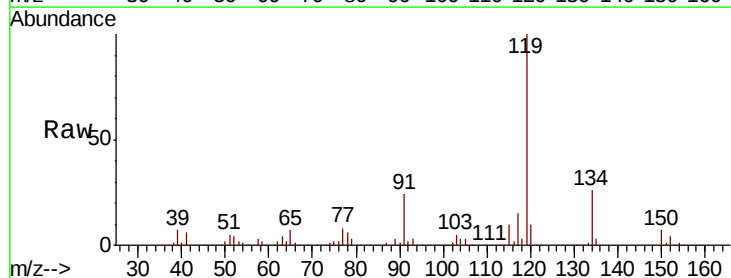
Tgt Ion:119 Resp: 409544

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 23.9 11.9 35.9



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): VX0

12.06

400000

300000

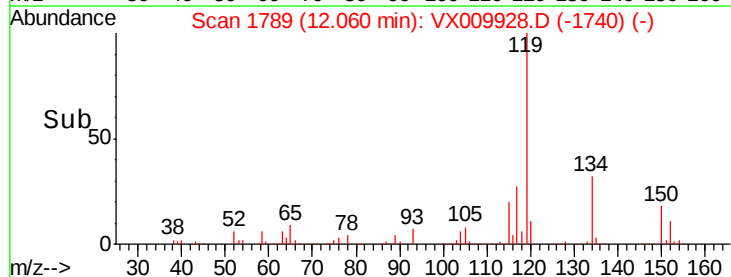
200000

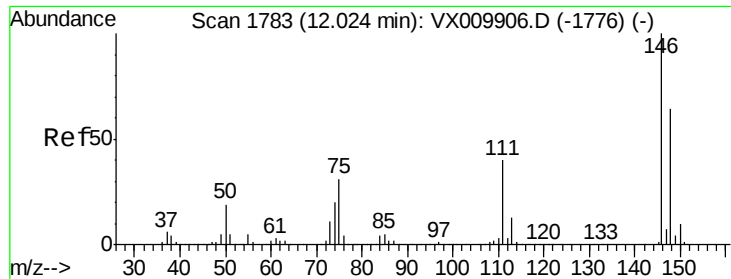
100000

0

Time-->

12.00 12.10

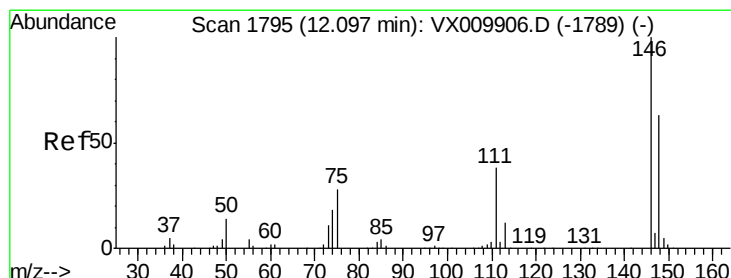
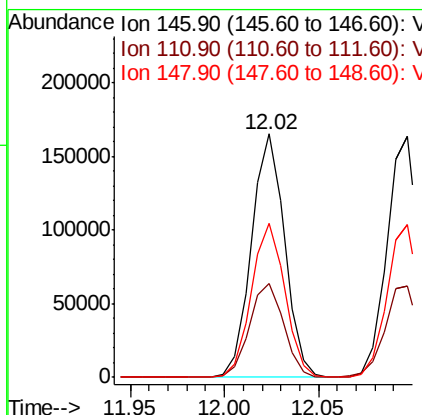
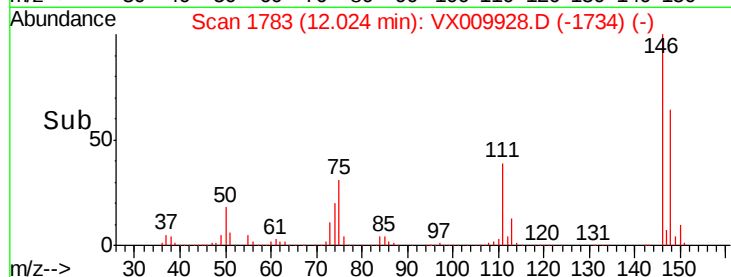
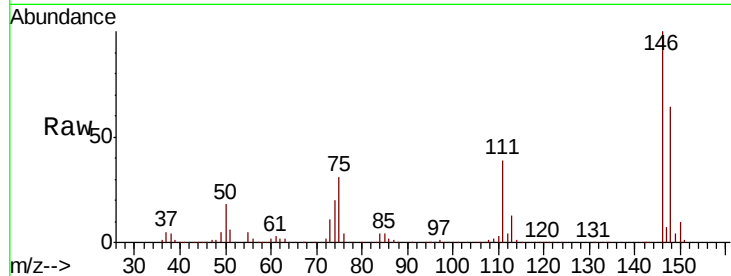




#87
 1,3-Dichlorobenzene
 Concen: 48.599 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

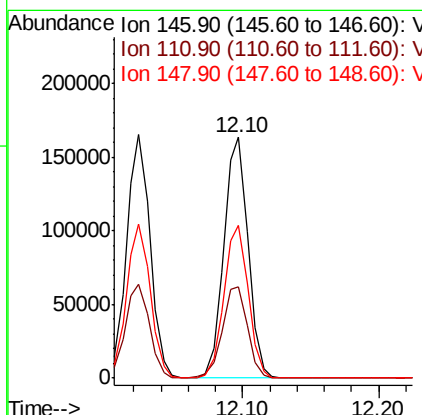
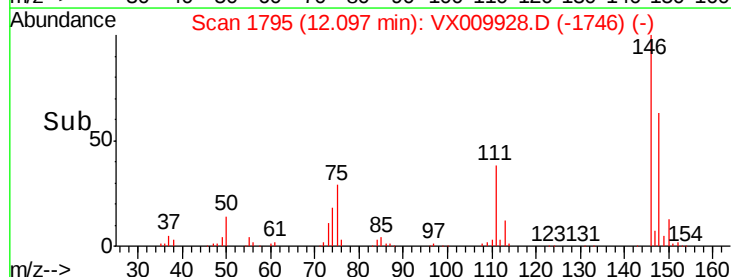
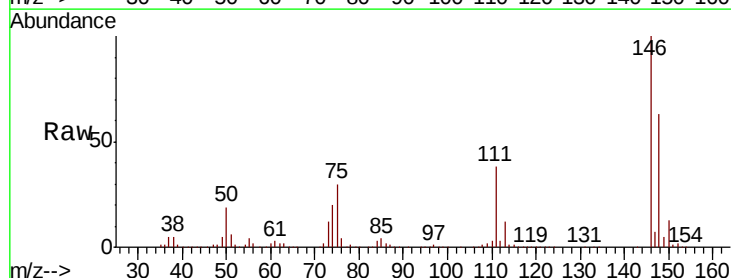
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

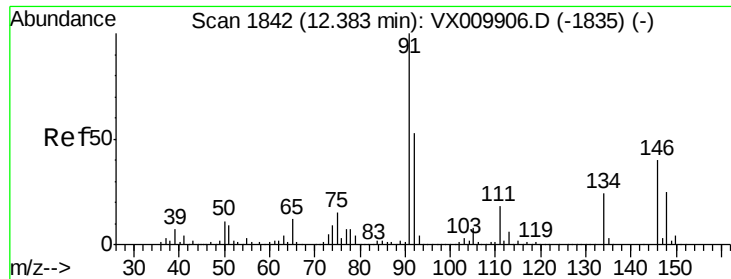
Tot Ion:146 Resp: 201829
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.2
 148 63.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 47.385 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion:146 Resp: 200693
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 64.0 32.3 96.9

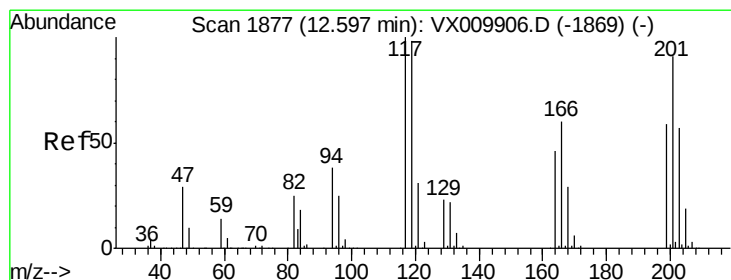
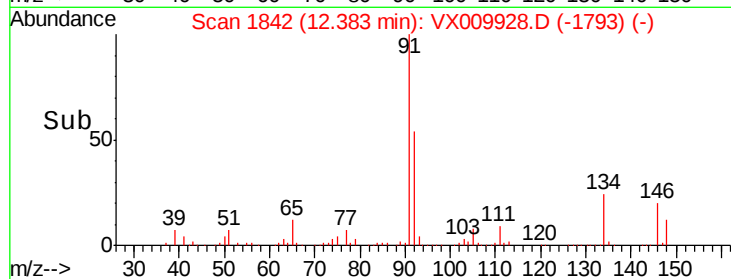
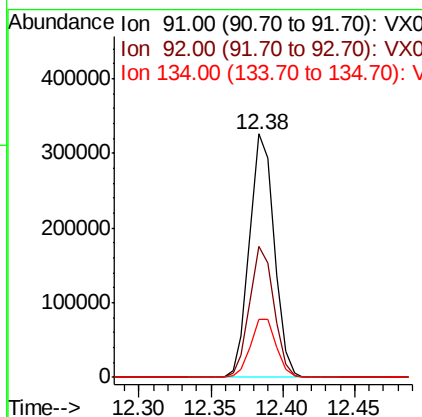
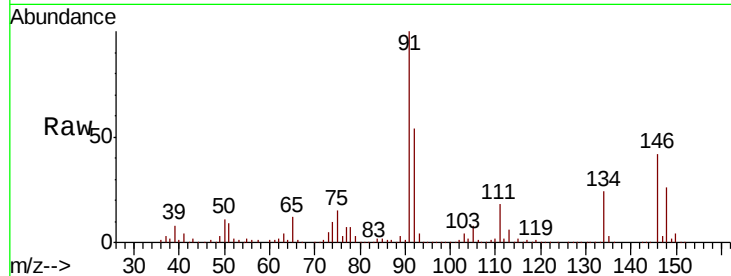




#89
n-Butylbenzene
Concen: 52.023 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

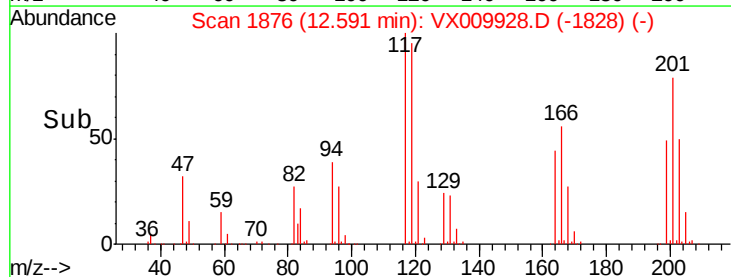
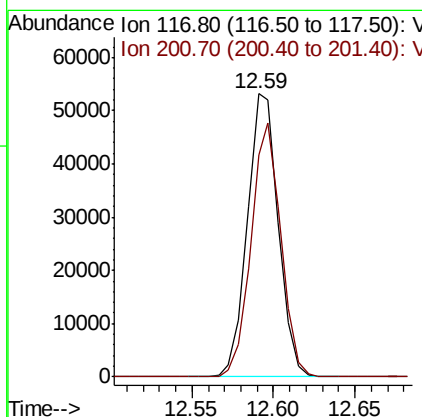
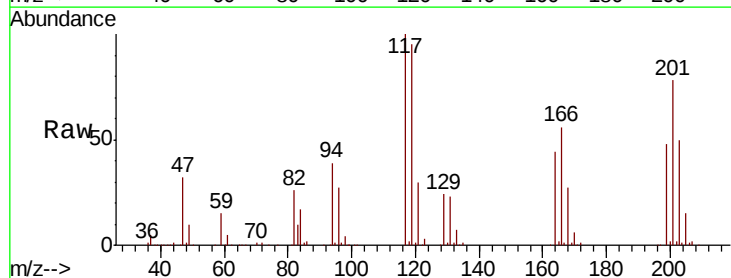
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

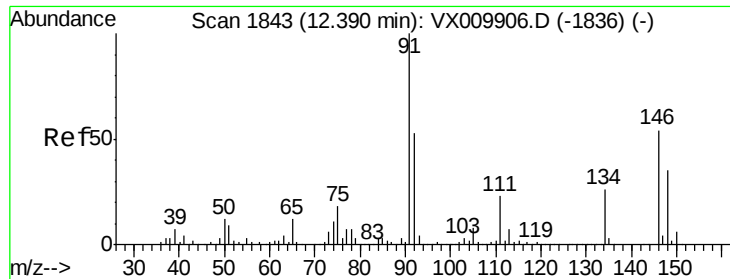
Tot Ion: 91 Resp: 385969
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.8
134 24.9 12.3 36.8



#90
Hexachloroethane
Concen: 51.908 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 117 Resp: 70324
Ion Ratio Lower Upper
117 100
201 86.0 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 48.214 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

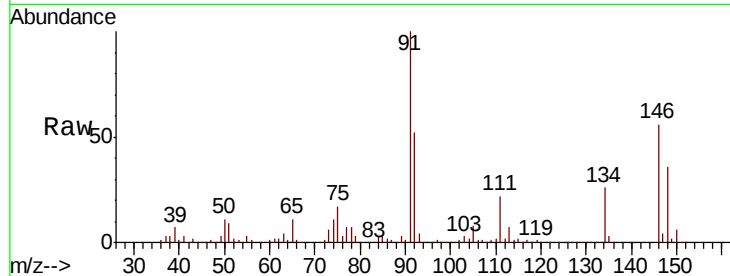
Tot Ion:146 Resp: 197412

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.1

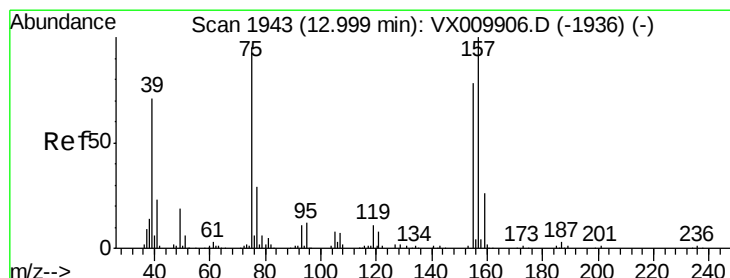
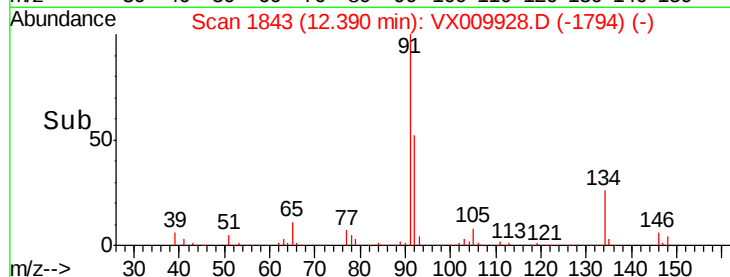
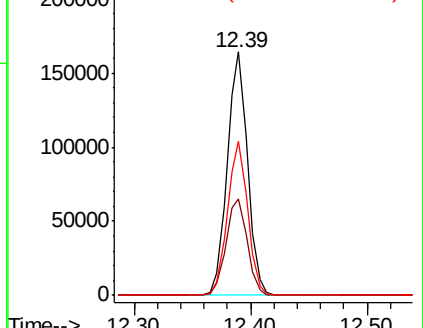
148 63.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.368 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009928.D

Acq: 29 May 2019 10:08

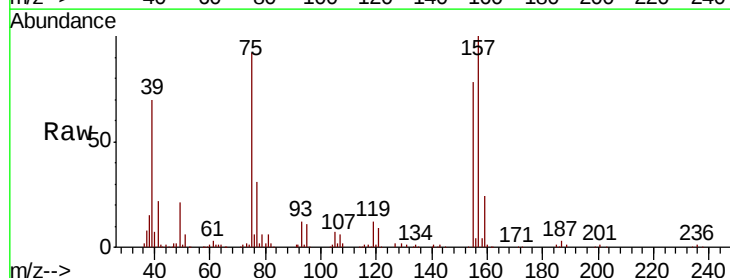
Tgt Ion: 75 Resp: 35663

Ion Ratio Lower Upper

75 100

155 81.5 39.3 117.8

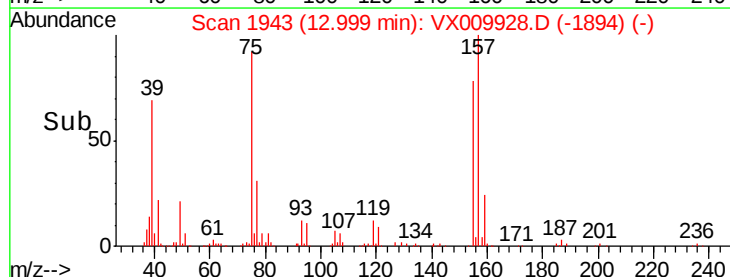
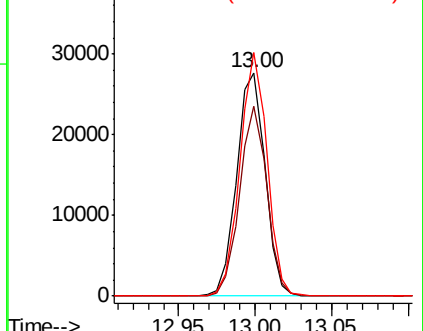
157 104.0 50.6 151.8

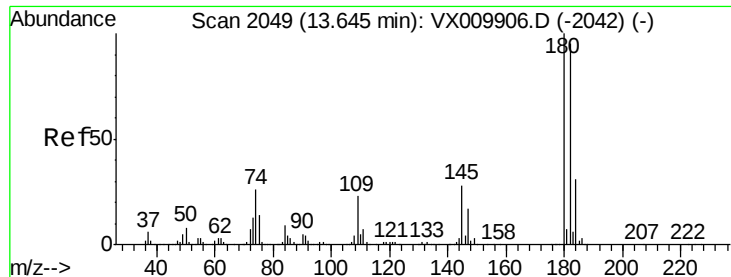


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

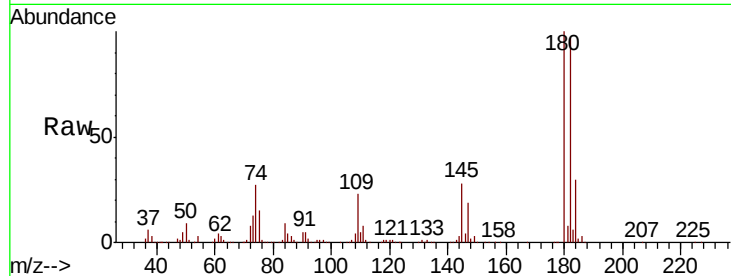




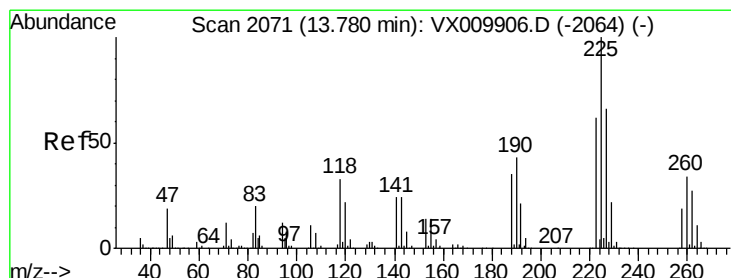
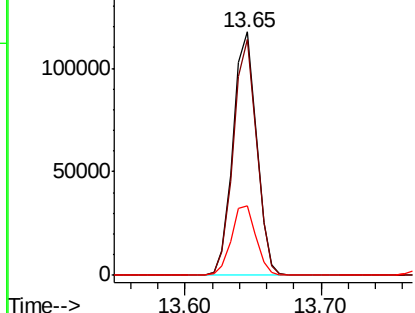
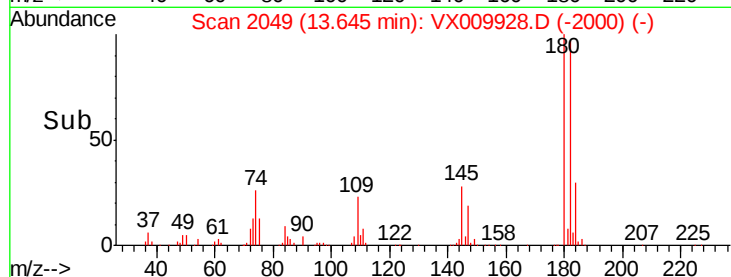
#93
 1,2,4-Trichlorobenzene
 Concen: 48.728 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 142579
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 29.5 14.5 43.5

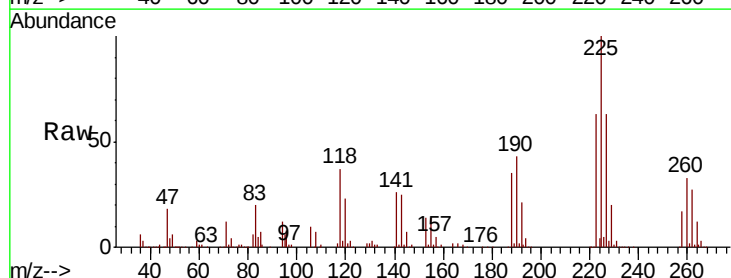


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

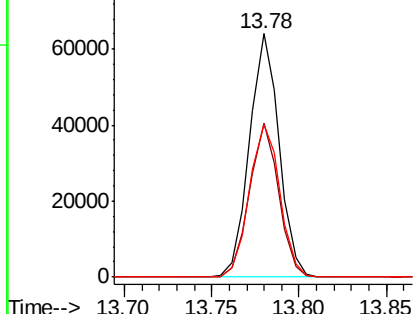
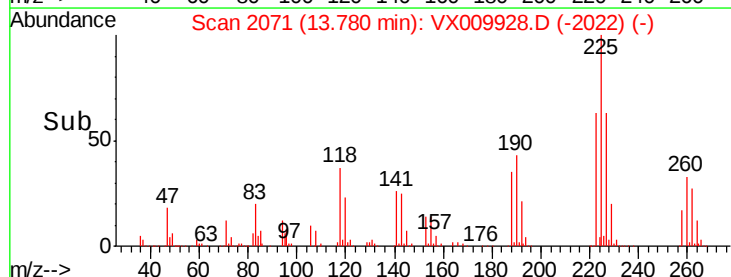


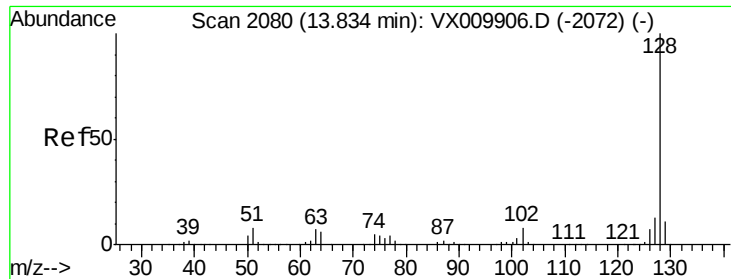
#94
 Hexachlorobutadiene
 Concen: 51.217 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009928.D
 Acq: 29 May 2019 10:08

Tgt Ion:225 Resp: 75168
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 64.7 32.3 96.8



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

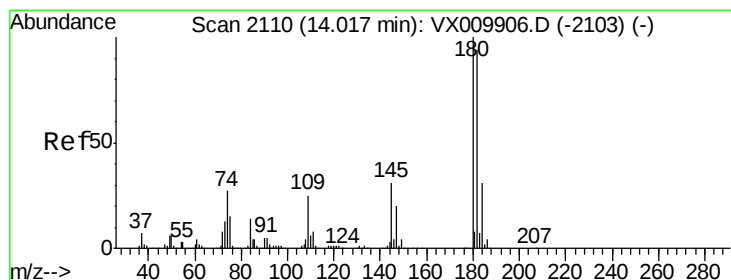
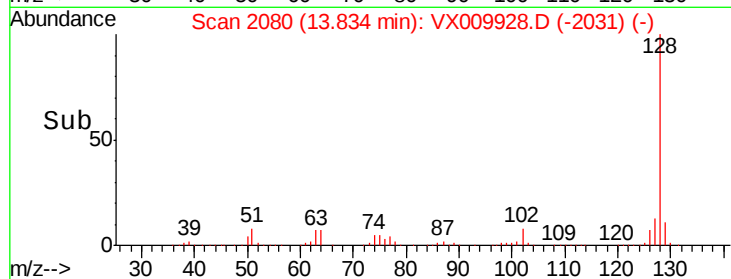
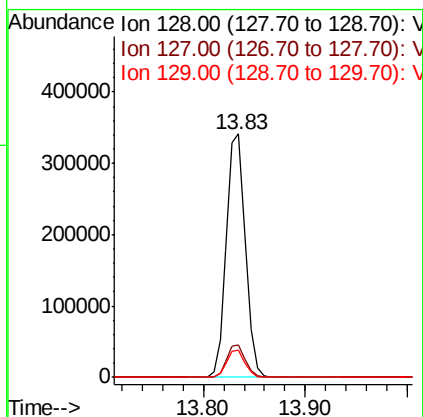
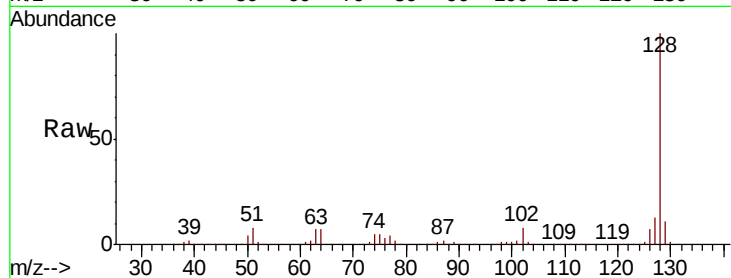




#95
Naphthalene
Concen: 48.061 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 437628
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.635 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:180 Resp: 139518
Ion Ratio Lower Upper
180 100
182 96.3 47.3 142.0
145 31.7 15.6 46.7

