

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016069.D
 Acq On : 05 May 2020 17:13
 Operator : JC/SP
 Sample : L2469-23MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Quant Time: May 06 09:23:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	184662	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	5.47	113	143641	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.70	98	554212	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.12	95	216093	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	148621	47.166	ug/l	100
3) Chloromethane	1.31	50	168384	46.015	ug/l	100
4) Vinyl Chloride	1.39	62	180661	46.274	ug/l	99
5) Bromomethane	1.62	94	94060	47.788	ug/l	97
6) Chloroethane	1.70	64	116369	48.987	ug/l	99
7) Trichlorofluoromethane	1.91	101	241923	47.199	ug/l	100
8) Diethyl Ether	2.17	74	101168	46.845	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	138532	46.847	ug/l	98
10) Methyl Iodide	2.49	142	159566	40.171	ug/l	99
11) Tert butyl alcohol	3.02	59	232871	235.082	ug/l	100
12) 1,1-Dichloroethene	2.36	96	145349	46.969	ug/l	97
13) Acrolein	2.27	56	116018	187.162	ug/l	99
14) Allyl chloride	2.71	41	266025	46.885	ug/l	99
15) Acrylonitrile	3.12	53	489499	238.200	ug/l	100
16) Acetone	2.42	43	417150	238.661	ug/l	97
17) Carbon Disulfide	2.55	76	441635	47.513	ug/l	99
18) Methyl Acetate	2.75	43	186793	43.464	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	518223	48.578	ug/l	99
20) Methylene Chloride	2.84	84	166059	46.086	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	156897	45.497	ug/l	99
22) Diisopropyl ether	3.82	45	515877	48.193	ug/l	96
23) Vinyl Acetate	3.79	43	2109123	223.957	ug/l	100
24) 1,1-Dichloroethane	3.67	63	289742	48.387	ug/l	100
25) 2-Butanone	4.64	43	684285	242.952	ug/l	99
26) 2,2-Dichloropropane	4.55	77	228971	41.871	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	181272	48.082	ug/l	97
28) Bromochloromethane	4.98	49	133732	48.978	ug/l	100
29) Tetrahydrofuran	5.09	42	451612	241.990	ug/l	100
30) Chloroform	5.18	83	287372	48.200	ug/l	99
31) Cyclohexane	5.55	56	261266	48.009	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	260739	48.112	ug/l	99
36) 1,1-Dichloropropene	5.77	75	219918	45.994	ug/l	99
37) Ethyl Acetate	4.79	43	242967	43.842	ug/l	99
38) Carbon Tetrachloride	5.76	117	229933	47.311	ug/l	98

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 SA-PZ148-20200428MS

Quant Time: May 06 09:23:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	260834	45.298	ug/l	99
40) Benzene	6.12	78	654938	46.814	ug/l	100
41) Methacrylonitrile	5.01	41	139696	46.676	ug/l	99
42) 1,2-Dichloroethane	6.17	62	235134	46.656	ug/l	99
43) Isopropyl Acetate	6.42	43	399985	45.236	ug/l	100
44) Trichloroethene	7.19	130	217486	43.758	ug/l	99
45) 1,2-Dichloropropane	7.49	63	168981	47.734	ug/l	100
46) Dibromomethane	7.64	93	113726	47.273	ug/l	99
47) Bromodichloromethane	7.88	83	233743	47.707	ug/l	99
48) Methyl methacrylate	7.74	41	199368	47.583	ug/l	99
49) 1,4-Dioxane	7.71	88	91651	912.070	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1307278	241.600	ug/l	100
52) Toluene	8.77	92	413837	47.456	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	266896	45.687	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	277640	45.501	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	163917	47.776	ug/l	100
56) Ethyl methacrylate	9.16	69	270325	48.269	ug/l	99
57) 1,3-Dichloropropane	9.35	76	285548	47.698	ug/l	99
59) 2-Hexanone	9.48	43	1018819	239.760	ug/l	99
60) Dibromochloromethane	9.57	129	184655	48.868	ug/l	99
61) 1,2-Dibromoethane	9.65	107	176586	47.517	ug/l	98
64) Tetrachloroethene	9.32	164	250715	45.148	ug/l	97
65) Chlorobenzene	10.12	112	439527	46.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	165779	47.354	ug/l	100
67) Ethyl Benzene	10.24	91	792141	46.872	ug/l	99
68) m/p-Xylenes	10.34	106	598778	94.567	ug/l	100
69) o-Xylene	10.68	106	290385	47.711	ug/l	99
70) Styrene	10.70	104	492026	47.651	ug/l	100
71) Bromoform	10.84	173	139574	48.935	ug/l #	98
73) Isopropylbenzene	11.01	105	772621	46.235	ug/l	100
74) N-amyl acetate	10.88	43	330342	42.381	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	166048	50.544	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	323878	62.122	ug/l	84
77) Bromobenzene	11.24	156	197975	45.899	ug/l	98
78) n-propylbenzene	11.35	91	888925	45.726	ug/l	100
79) 2-Chlorotoluene	11.41	91	525988	45.837	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	654565	46.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	98046	44.816	ug/l	99
82) 4-Chlorotoluene	11.49	91	619386	45.709	ug/l	100
83) tert-Butylbenzene	11.76	119	563212	46.319	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	662484	46.443	ug/l	99
85) sec-Butylbenzene	11.93	105	753779	45.913	ug/l	100
86) p-Isopropyltoluene	12.05	119	697169	45.738	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	341563	44.103	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	344525	43.829	ug/l	99
89) n-Butylbenzene	12.37	91	615956	44.234	ug/l	100
90) Hexachloroethane	12.58	117	124266	47.470	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	338415	45.380	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	60886	44.311	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	243288	44.065	ug/l	97

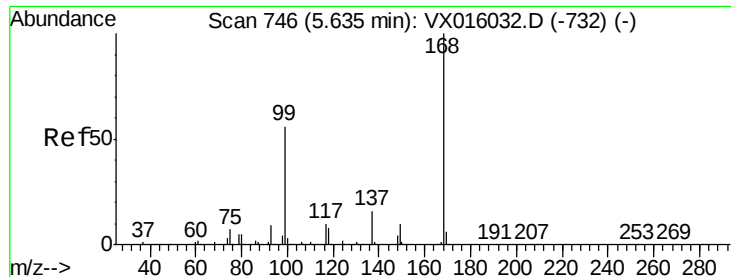
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
Data File : VX016069.D
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Quant Time: May 06 09:23:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	106766	44.962	ug/l	97
95) Naphthalene	13.82	128	808556	45.227	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	240797	44.626	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

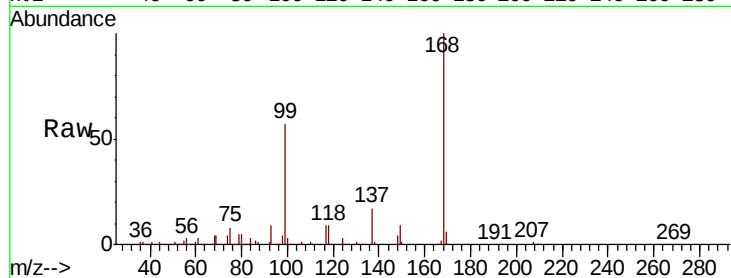
SA-PZ148-20200428MS

Tot Ion:168 Resp: 297693

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

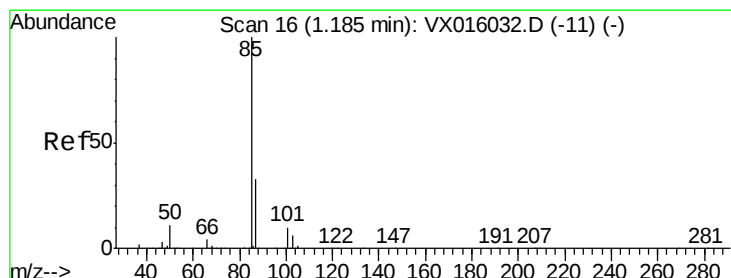
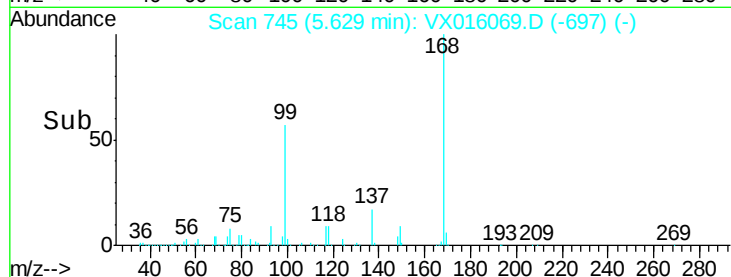
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.166 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016069.D

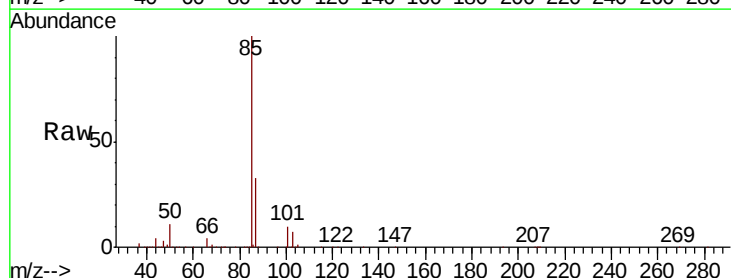
Acq: 05 May 2020 17:13

Tgt Ion: 85 Resp: 148621

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

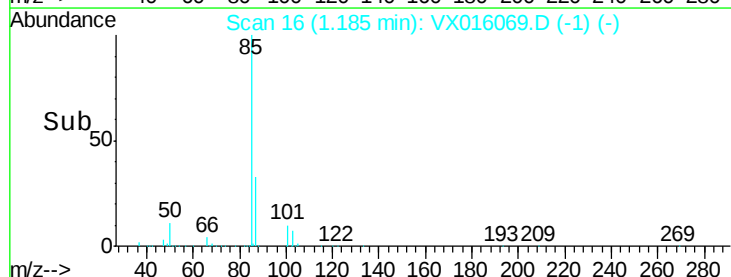
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.015 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

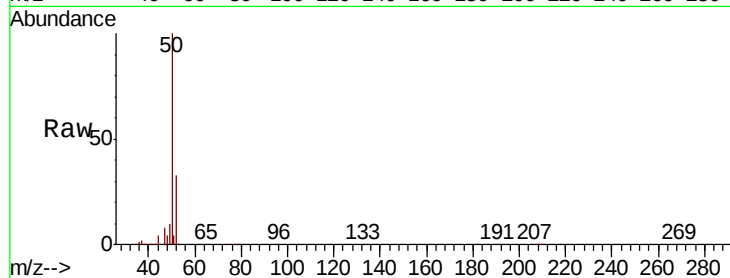
SA-PZ148-20200428MS

Tot Ion: 50 Resp: 168384

Ion Ratio Lower Upper

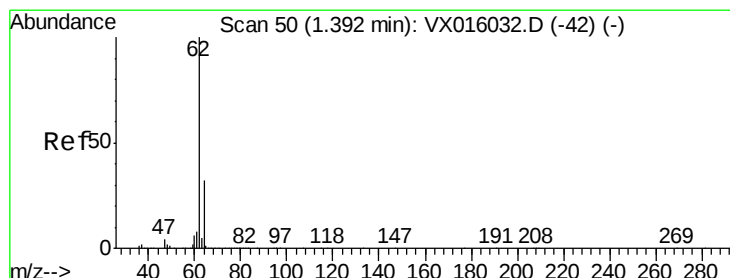
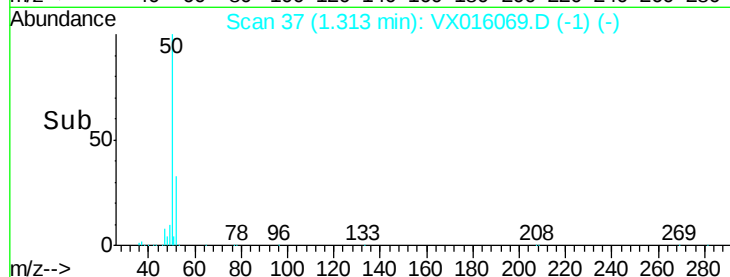
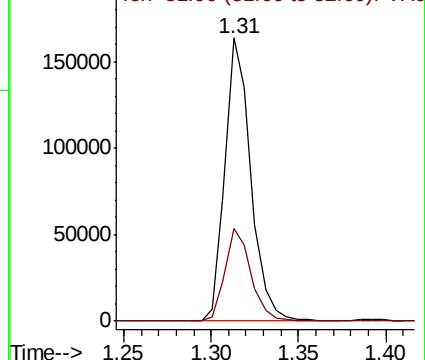
50 100

52 32.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.274 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016069.D

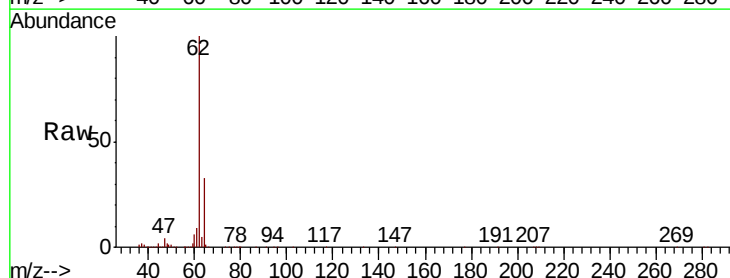
Acq: 05 May 2020 17:13

Tgt Ion: 62 Resp: 180661

Ion Ratio Lower Upper

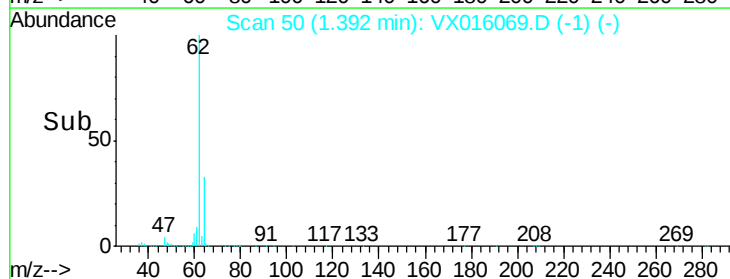
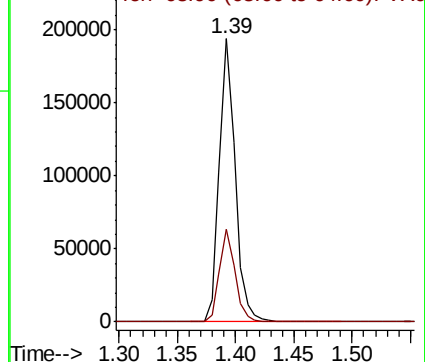
62 100

64 32.8 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: 47.788 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

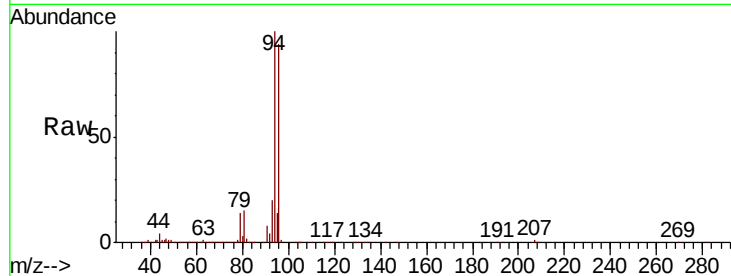
SA-PZ148-20200428MS

Tot Ion: 94 Resp: 94060

Ion Ratio Lower Upper

94 100

96 93.5 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

100000

80000

60000

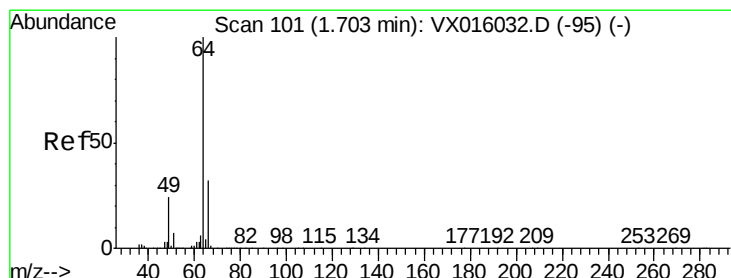
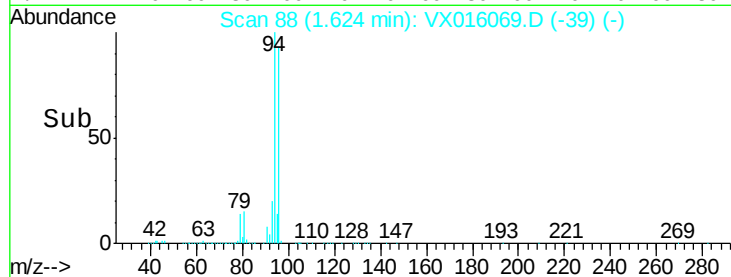
40000

20000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 48.987 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016069.D

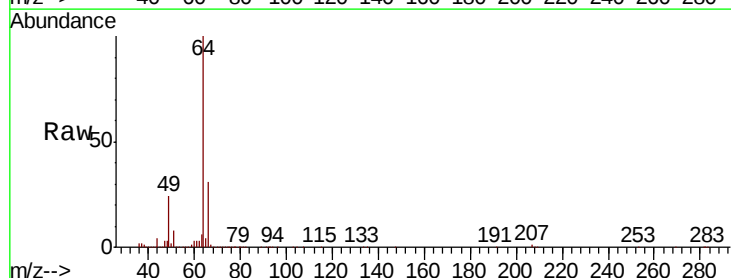
Acq: 05 May 2020 17:13

Tgt Ion: 64 Resp: 116369

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

100000

80000

60000

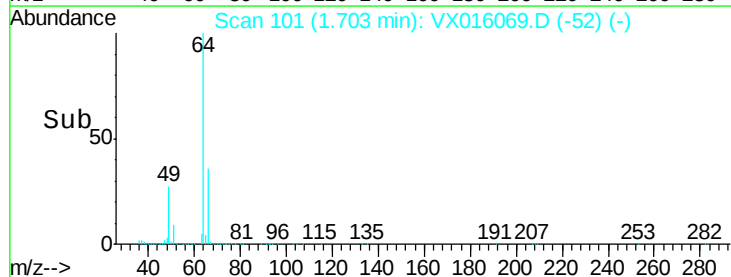
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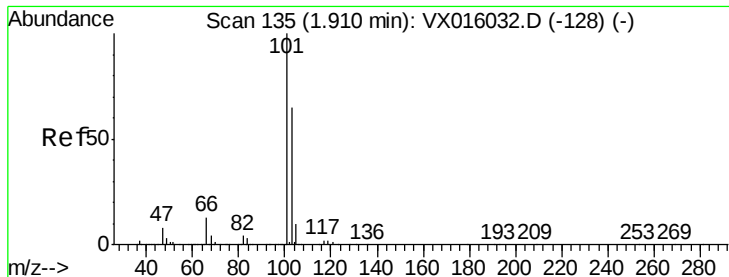
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0

1.65 1.70 1.75 1.80

Time-->



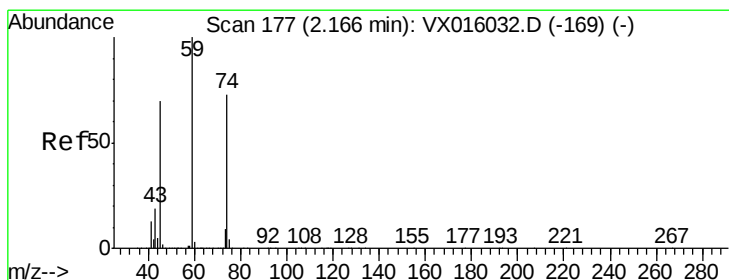
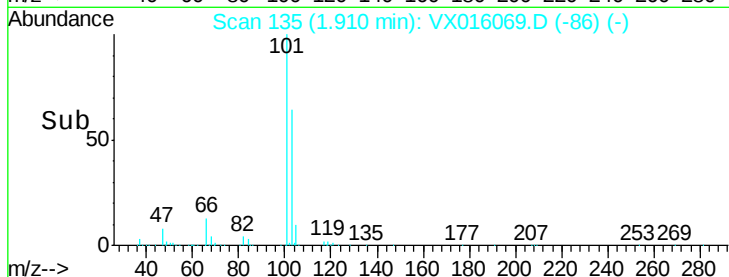
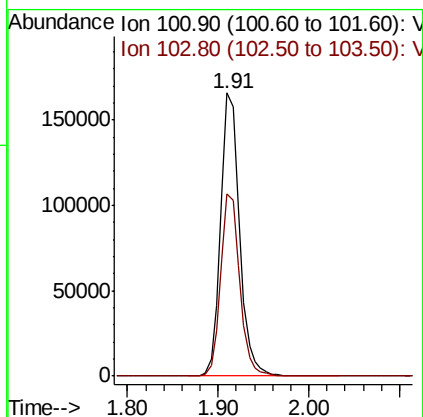
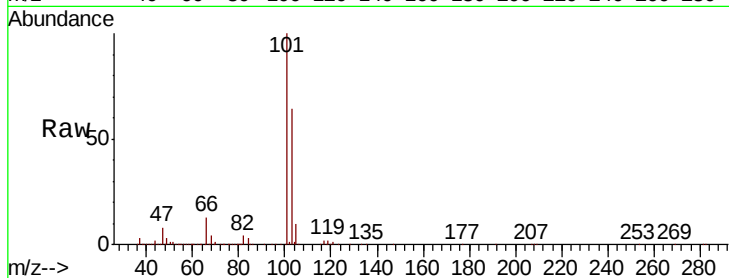


#7

Trichlorofluoromethane
Concen: 47.199 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

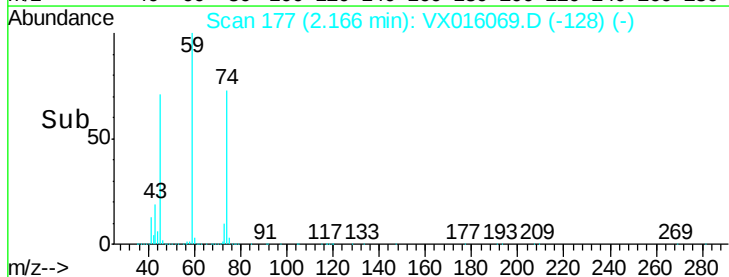
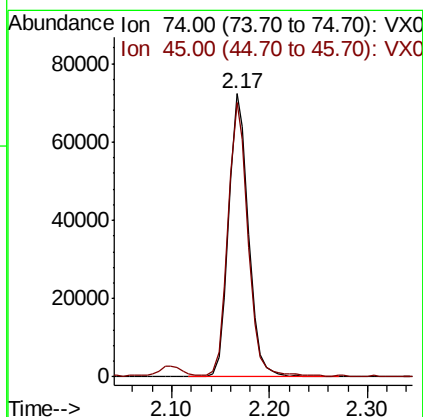
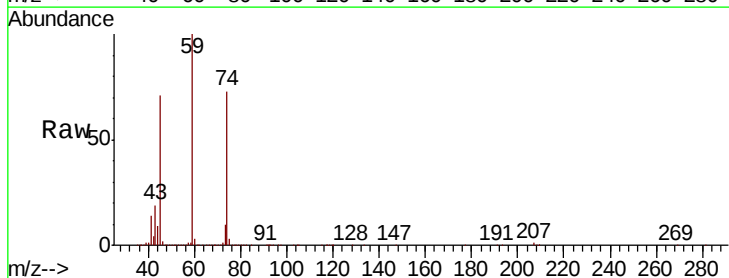
Tot Ion:101 Resp: 241923
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

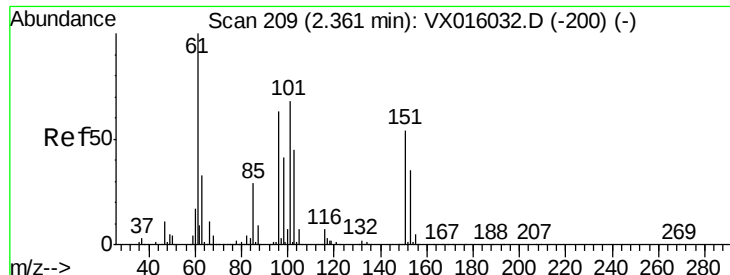


#8

Diethyl Ether
Concen: 46.845 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 74 Resp: 101168
Ion Ratio Lower Upper
74 100
45 97.2 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.847 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

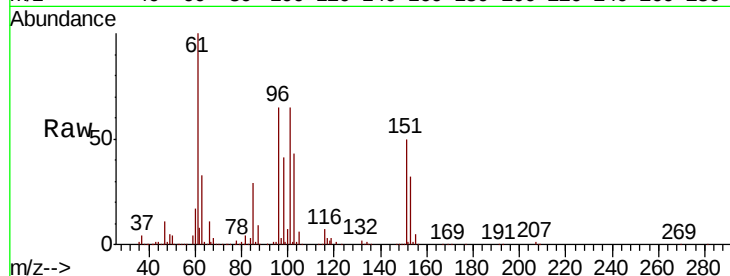
Tot Ion:101 Resp: 138532

Ion Ratio Lower Upper

101 100

85 44.1 34.2 51.4

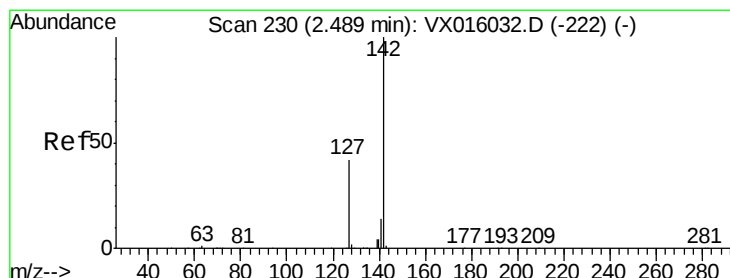
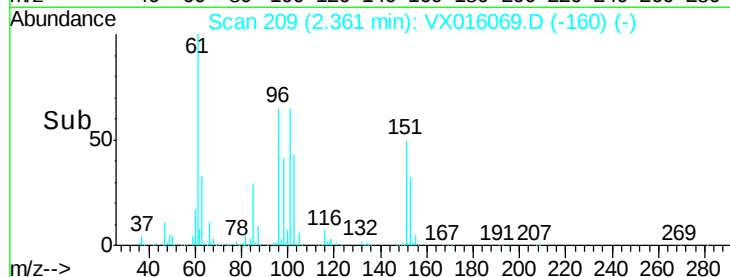
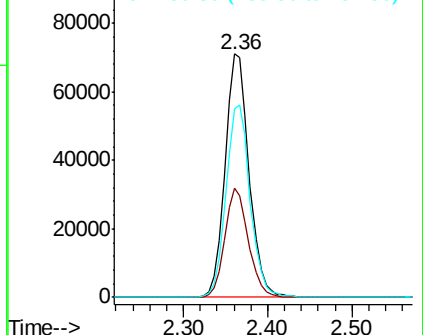
151 79.6 62.1 93.1



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: 40.171 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

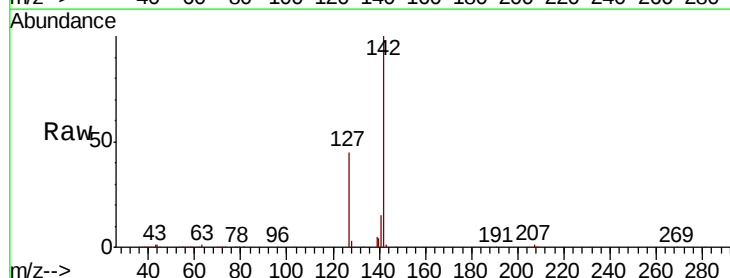
Tgt Ion:142 Resp: 159566

Ion Ratio Lower Upper

142 100

127 44.4 34.6 52.0

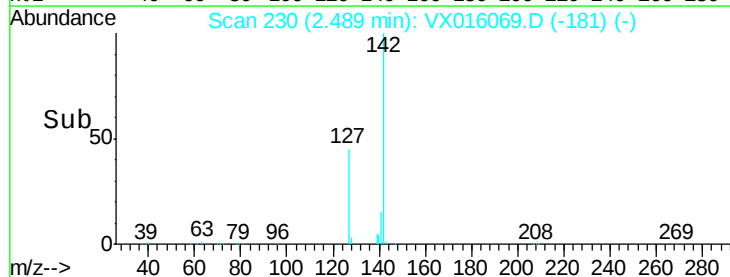
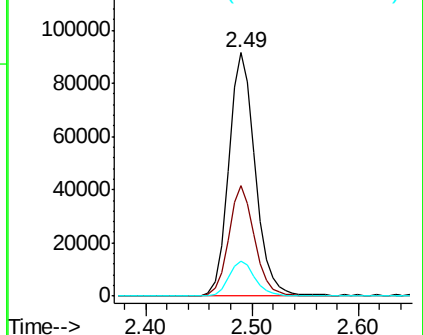
141 14.4 11.3 16.9



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

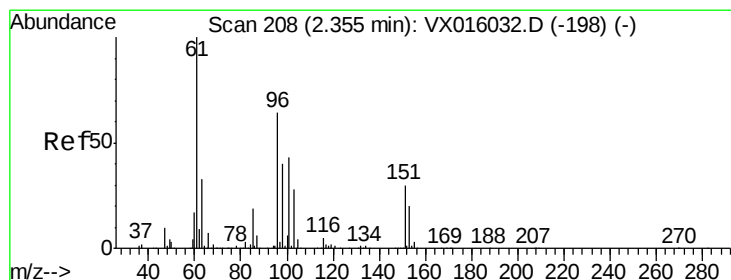
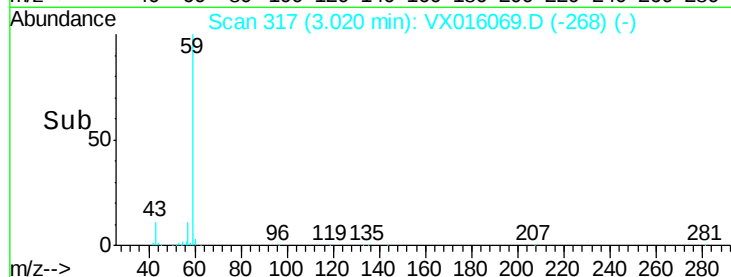
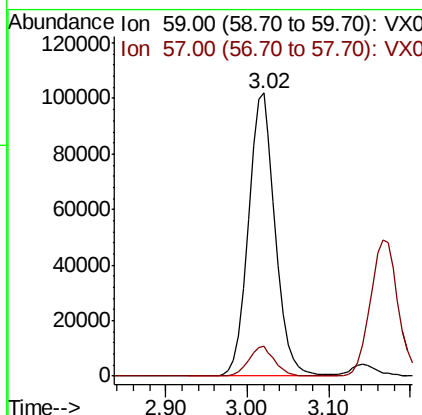
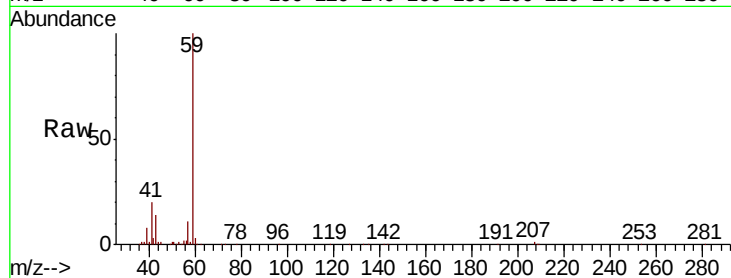




#11
Tert butyl alcohol
Concen: 235.082 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

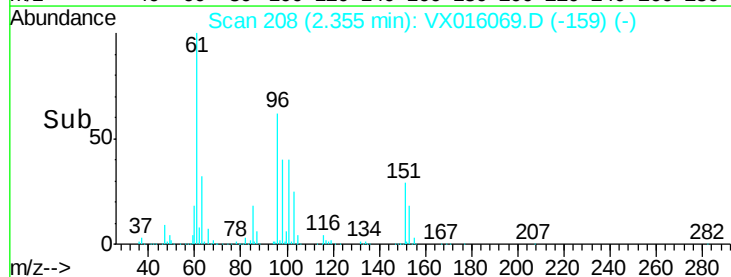
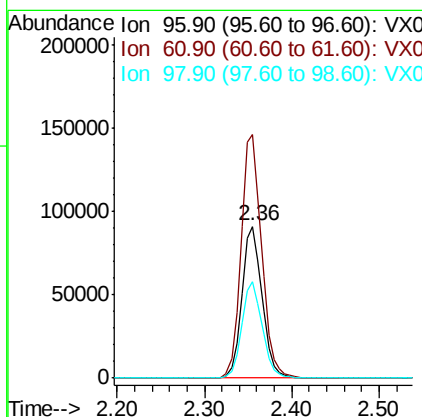
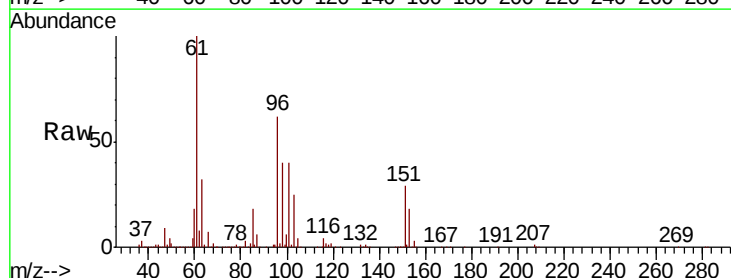
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

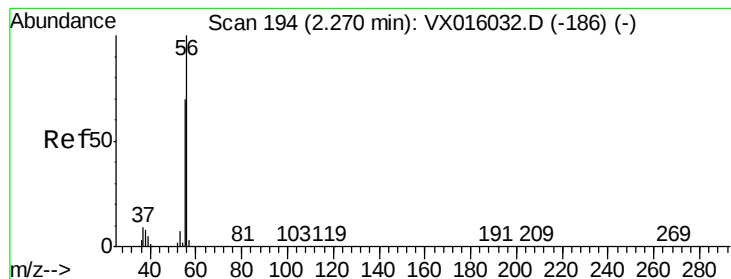
Tot Ion: 59 Resp: 232871
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.969 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 96 Resp: 145349
Ion Ratio Lower Upper
96 100
61 160.9 124.8 187.2
98 64.0 49.7 74.5





#13

Acrolein

Concen: 187.162 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

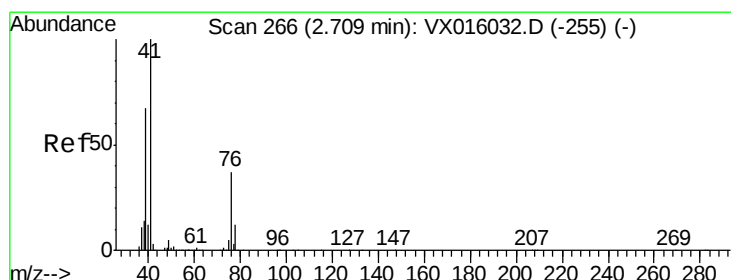
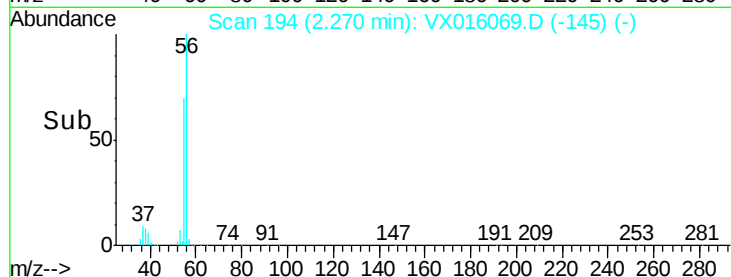
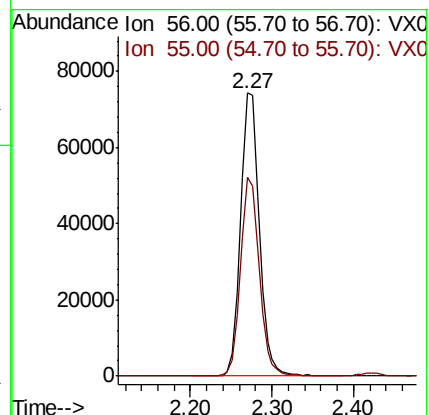
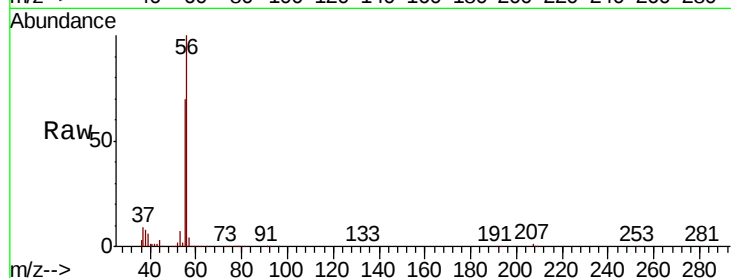
SA-PZ148-20200428MS

Tot Ion: 56 Resp: 116018

Ion Ratio Lower Upper

56 100

55 70.0 56.5 84.7



#14

Allyl chloride

Concen: 46.885 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

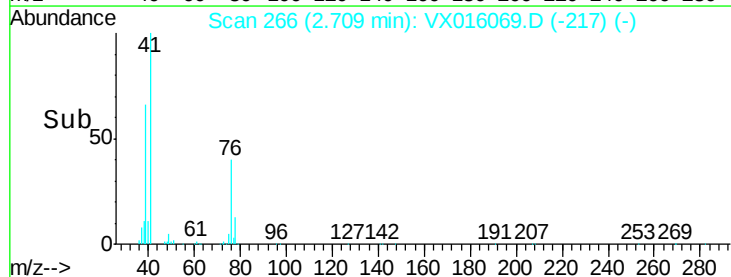
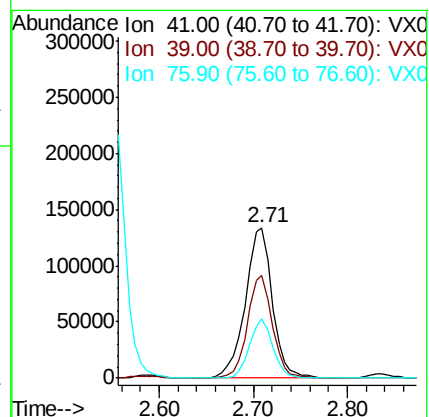
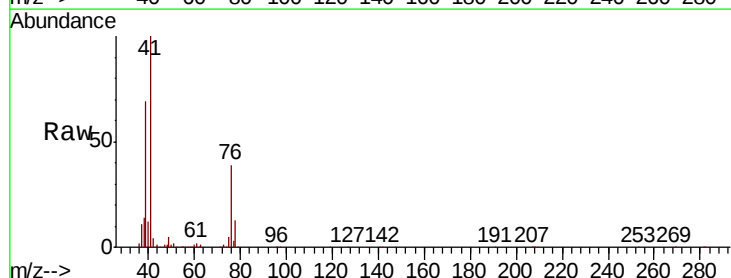
Tgt Ion: 41 Resp: 266025

Ion Ratio Lower Upper

41 100

39 62.7 50.5 75.7

76 34.1 26.6 40.0

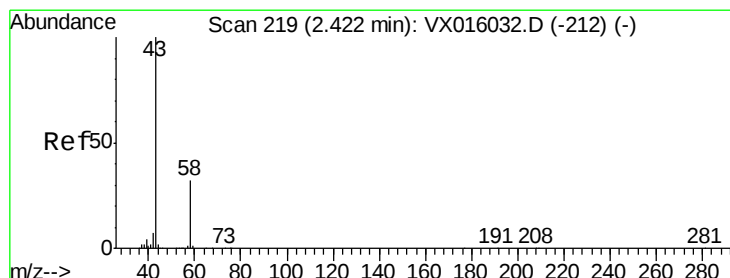
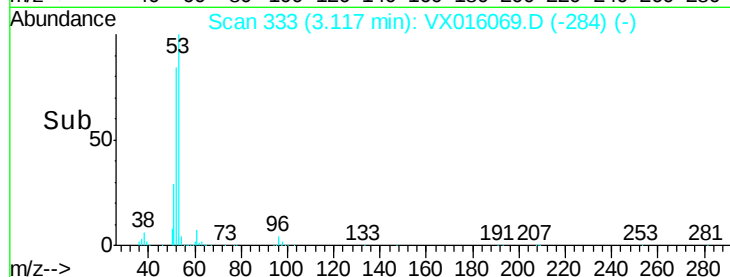
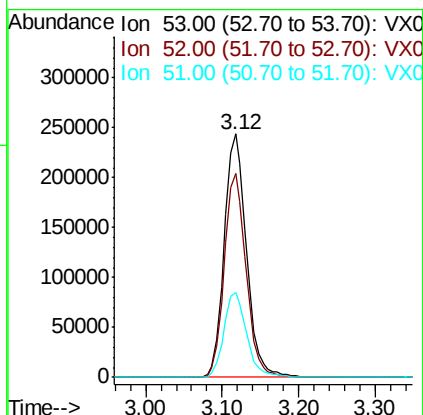
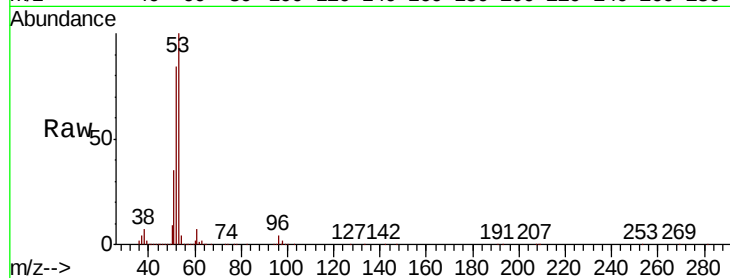




#15
 Acrylonitrile
 Concen: 238.200 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

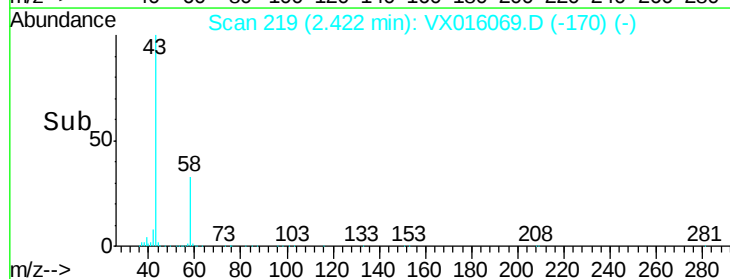
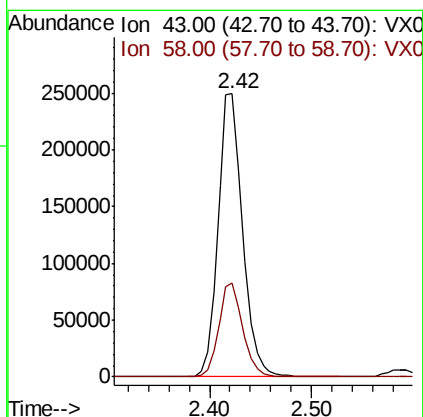
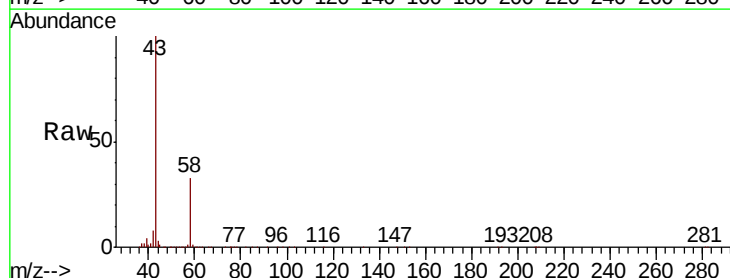
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

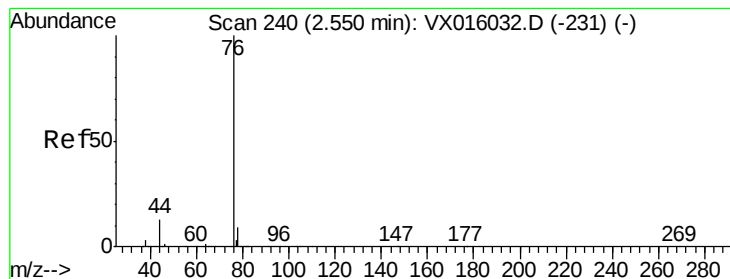
Tot Ion	53	Resp	489499
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.1	99.1
51	35.6	28.8	43.2



#16
 Acetone
 Concen: 238.661 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	43	Resp	417150
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.4	38.0





#17

Carbon Disulfide

Concen: 47.513 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

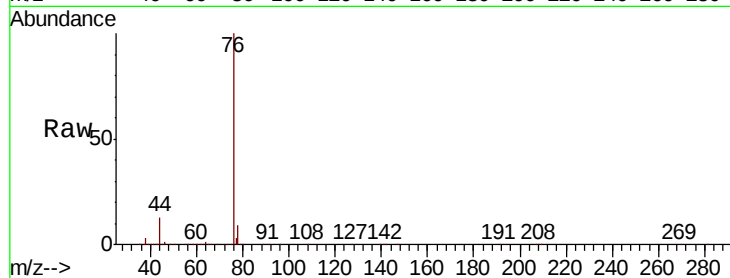
SA-PZ148-20200428MS

Tot Ion: 76 Resp: 441635

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

300000

250000

200000

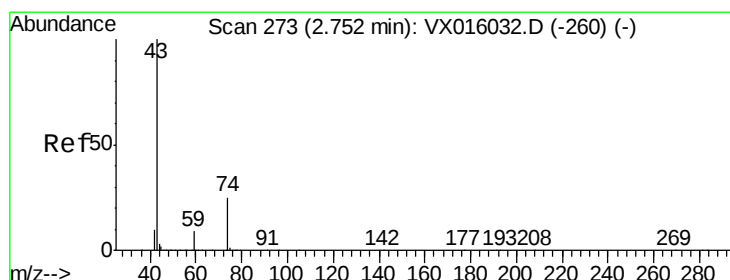
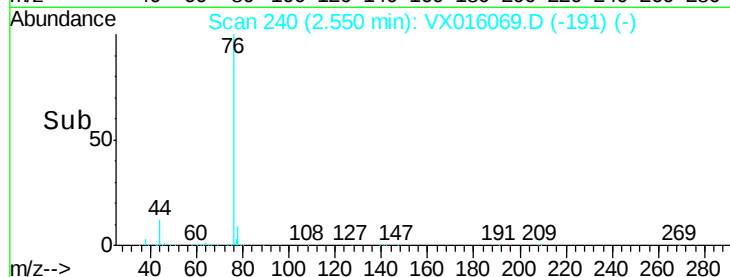
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.464 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016069.D

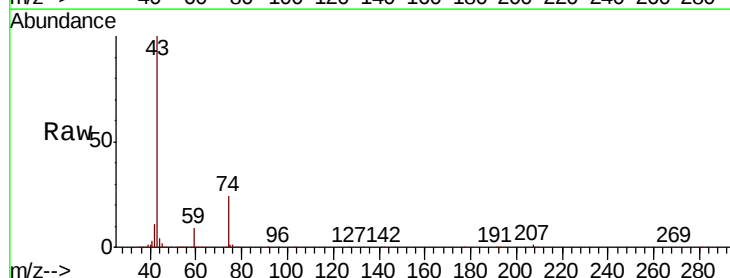
Acq: 05 May 2020 17:13

Tgt Ion: 43 Resp: 186793

Ion Ratio Lower Upper

43 100

74 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

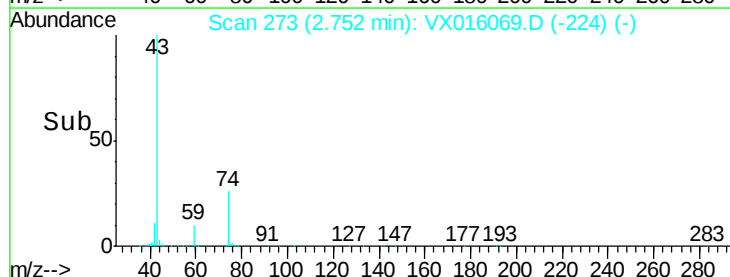
60000

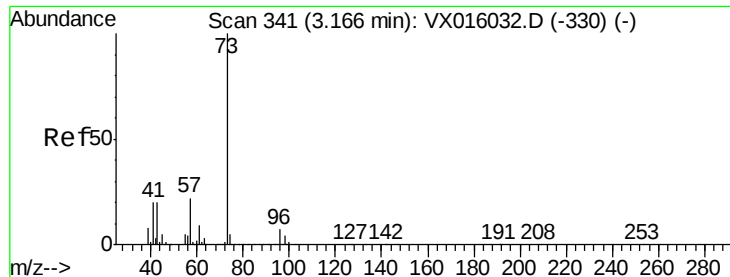
40000

20000

0

Time-->

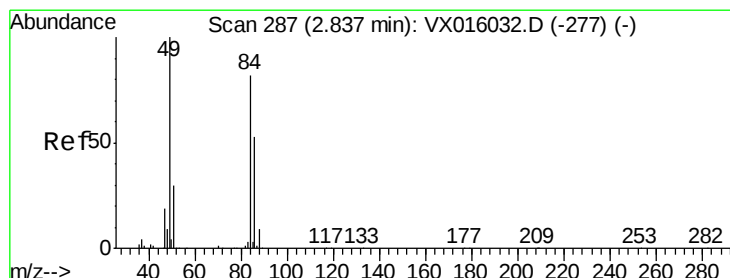
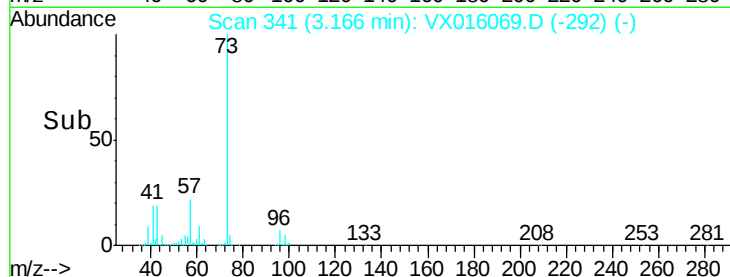
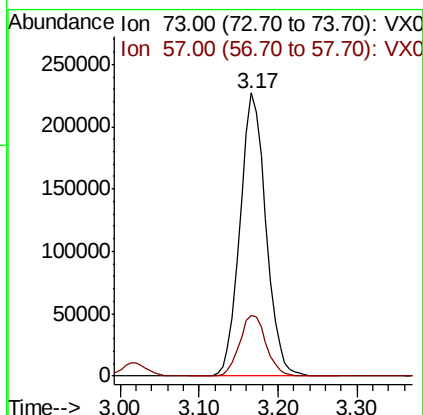
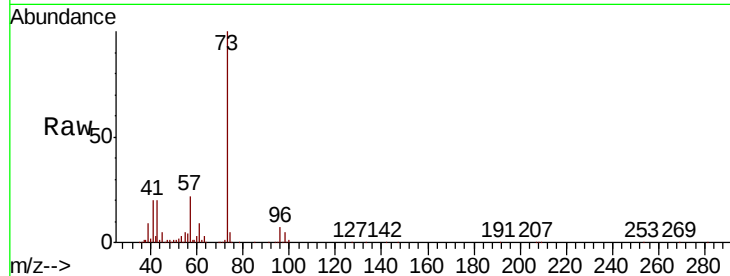




#19
Methyl tert-butyl Ether
Concen: 48.578 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

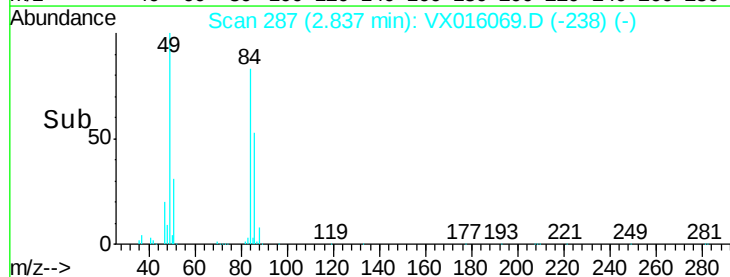
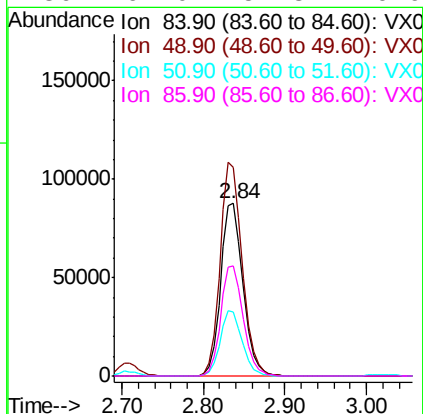
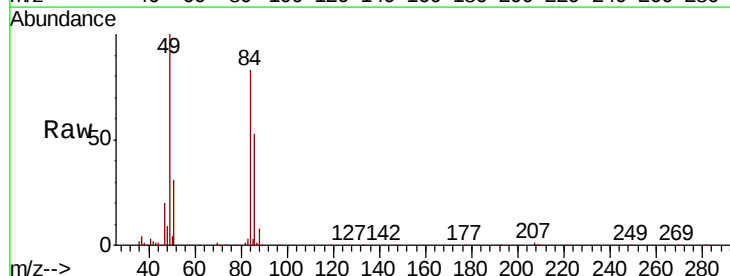
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion: 73 Resp: 518223
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 46.086 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 84 Resp: 166059
Ion Ratio Lower Upper
84 100
49 121.0 97.3 145.9
51 37.2 29.3 43.9
86 64.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 45.497 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

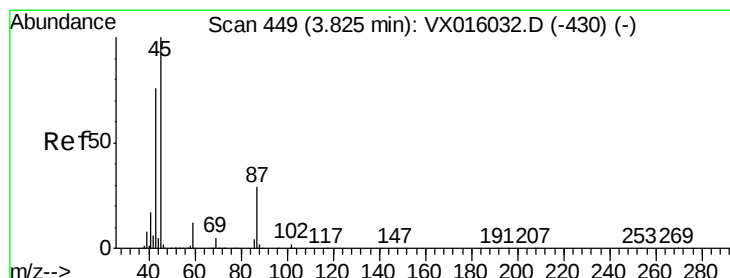
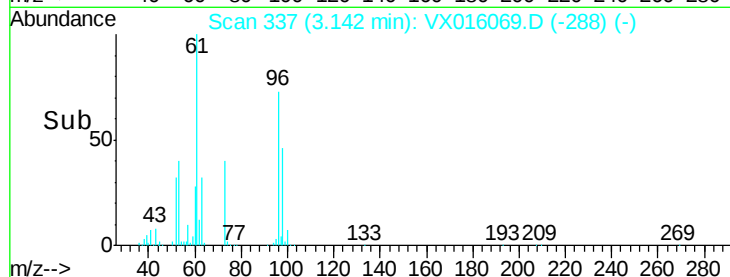
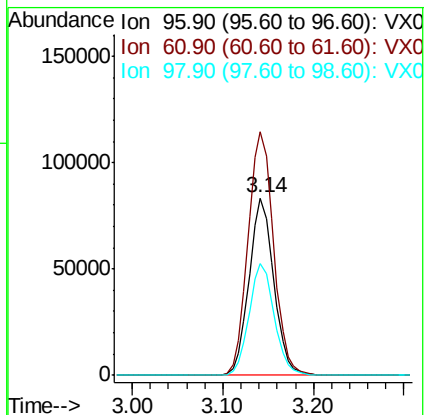
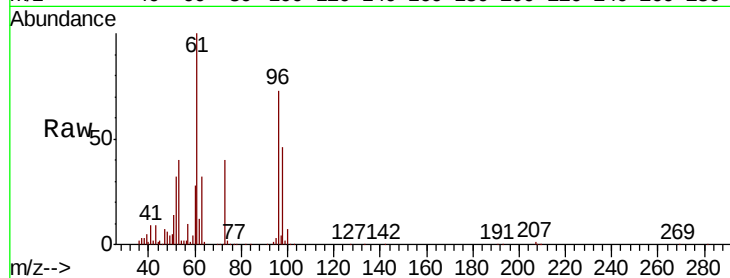
Tot Ion: 96 Resp: 156897

Ion Ratio Lower Upper

96 100

61 137.7 111.2 166.8

98 62.9 50.2 75.4



#22

Diisopropyl ether

Concen: 48.193 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion: 45 Resp: 515877

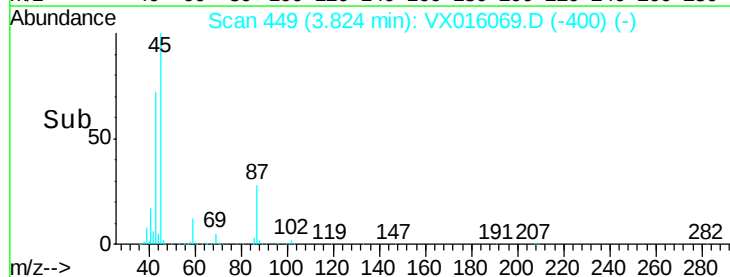
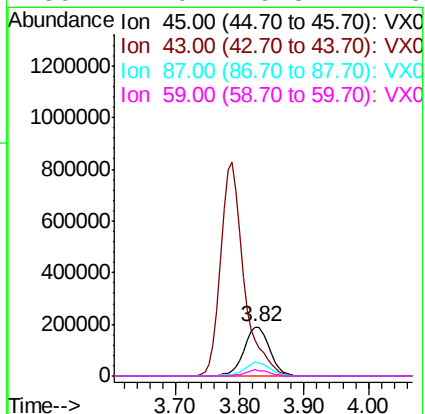
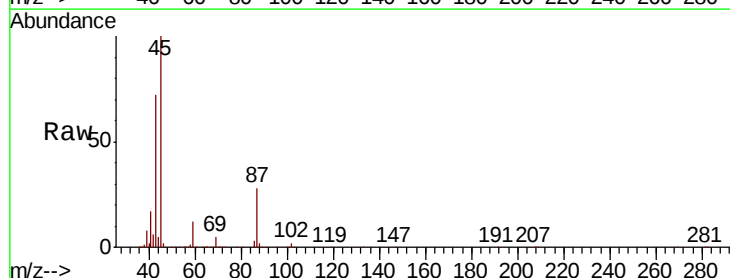
Ion Ratio Lower Upper

45 100

43 72.0 61.1 91.7

87 27.6 23.0 34.6

59 12.0 9.8 14.6





#23

Vinyl Acetate

Concen: 223.957 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

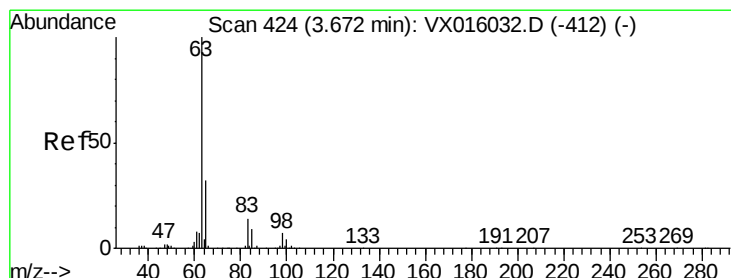
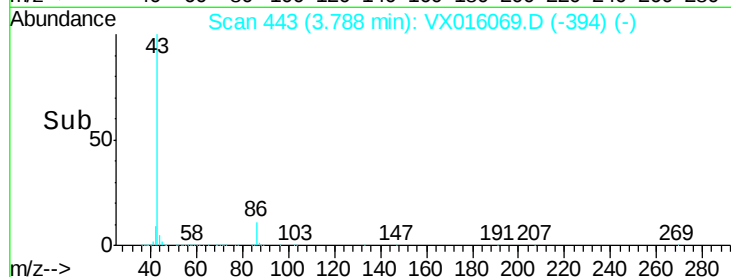
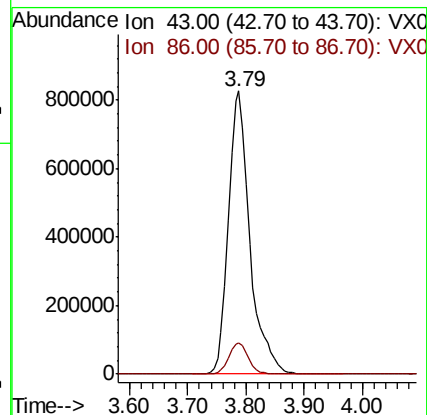
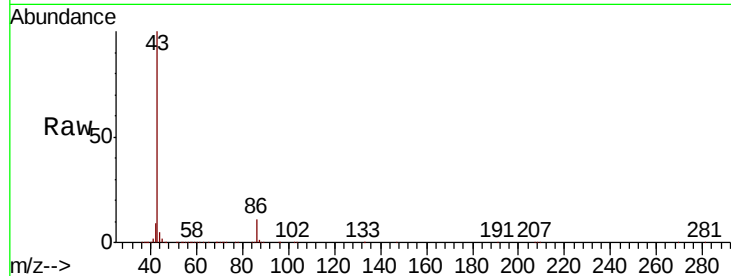
SA-PZ148-20200428MS

Tot Ion: 43 Resp: 2109123

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.4



#24

1,1-Dichloroethane

Concen: 48.387 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

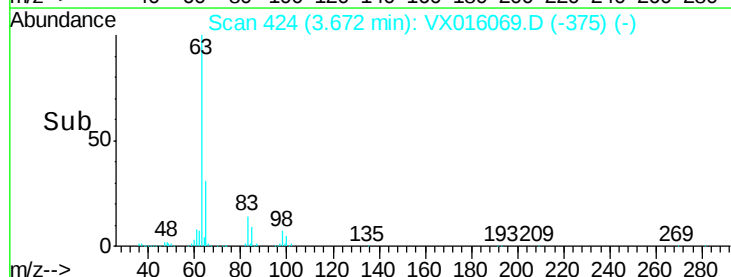
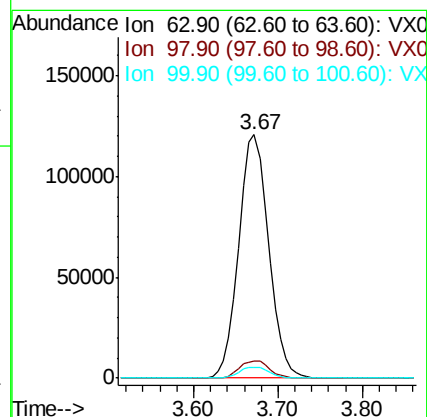
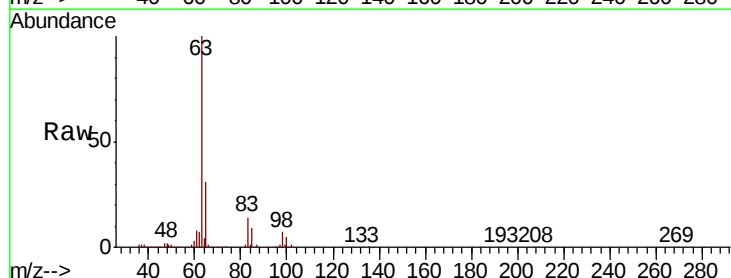
Tgt Ion: 63 Resp: 289742

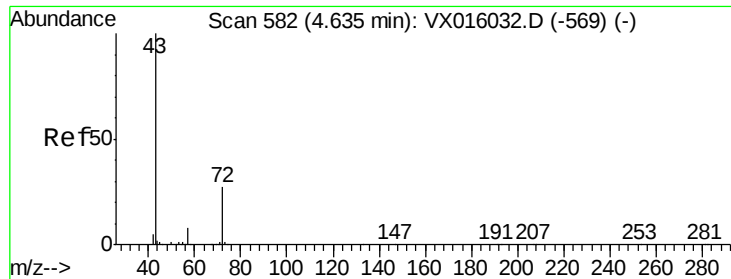
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 242.952 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

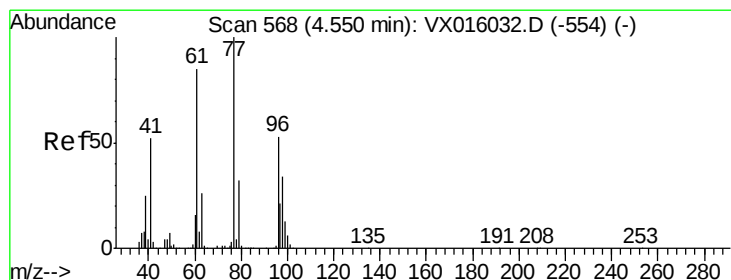
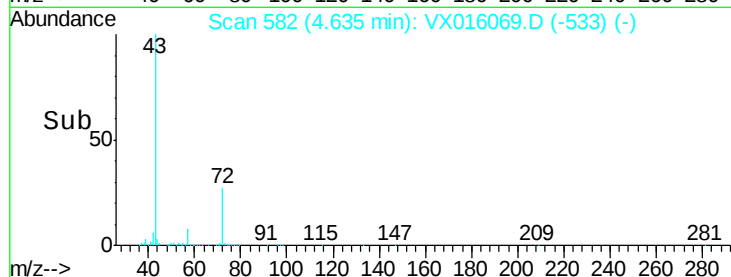
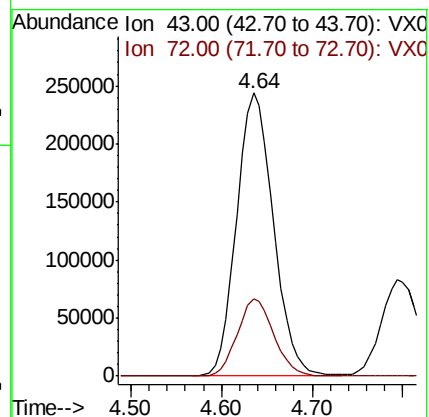
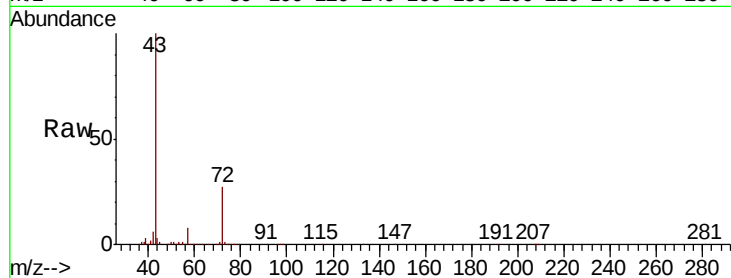
SA-PZ148-20200428MS

Tot Ion: 43 Resp: 684285

Ion Ratio Lower Upper

43 100

72 27.0 21.8 32.8



#26

2,2-Dichloropropane

Concen: 41.871 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016069.D

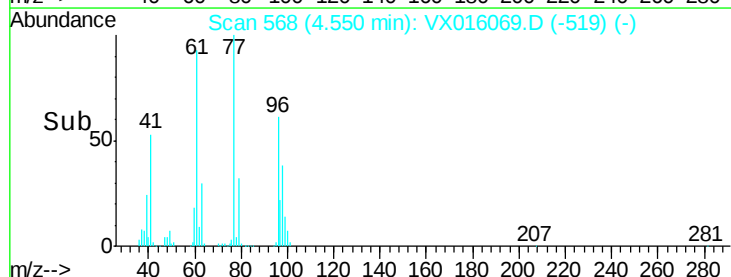
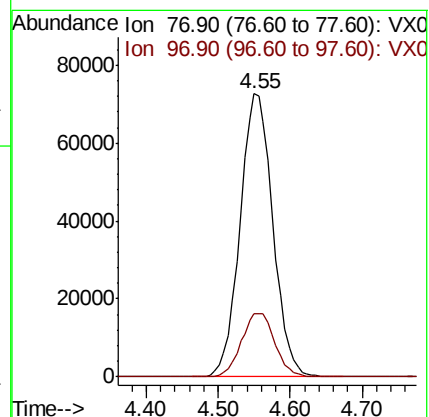
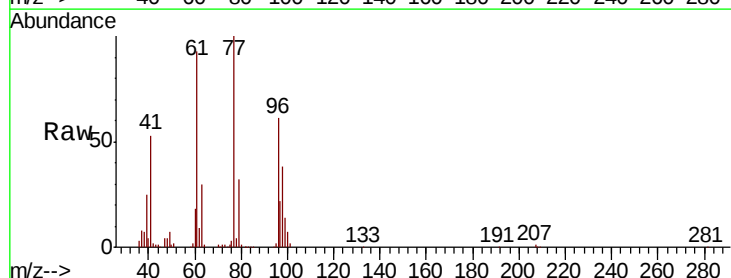
Acq: 05 May 2020 17:13

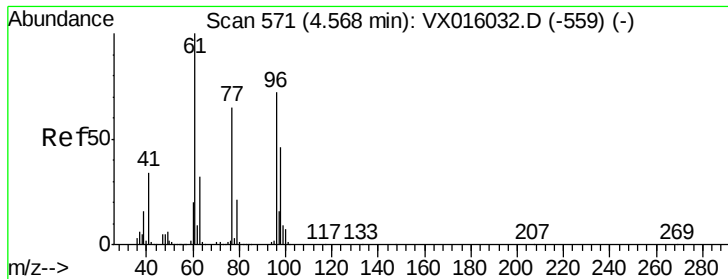
Tgt Ion: 77 Resp: 228971

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6



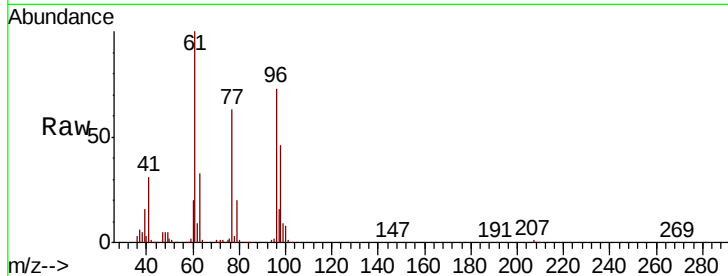


#27

cis-1,2-Dichloroethene
Concen: 48.082 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	96	Resp	181272
Ion Ratio	Lower	Upper	
96	100		
61	143.8	0.0	296.2
98	63.4	0.0	129.4

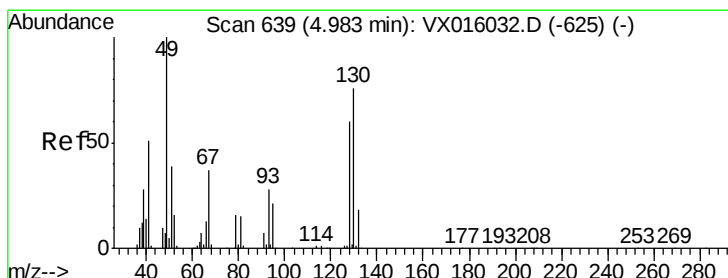
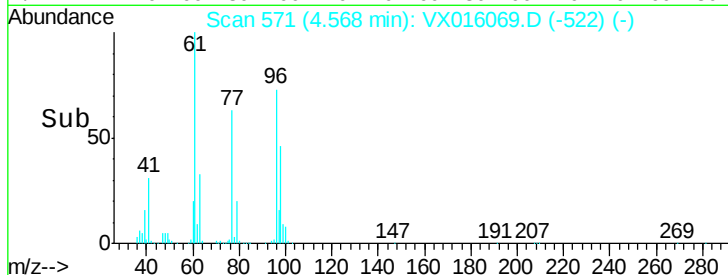
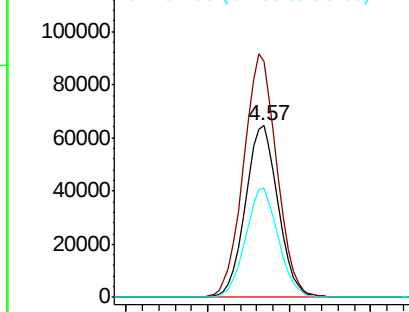


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

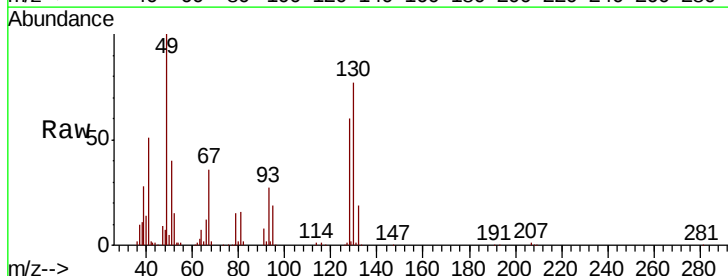
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 48.978 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	49	Resp	133732
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	77.7	62.4	93.6

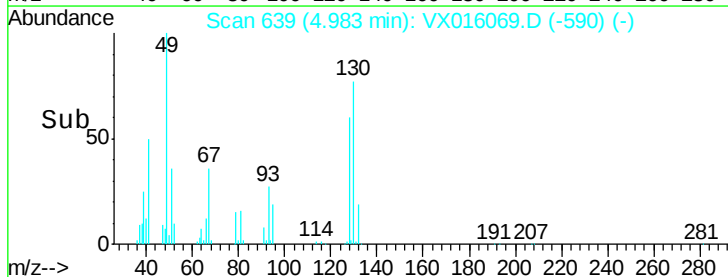
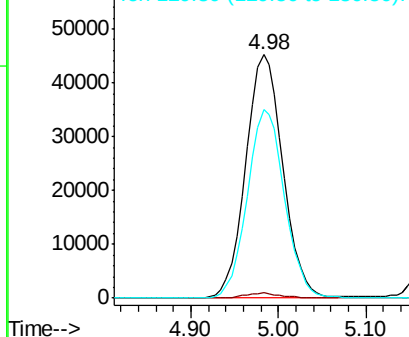


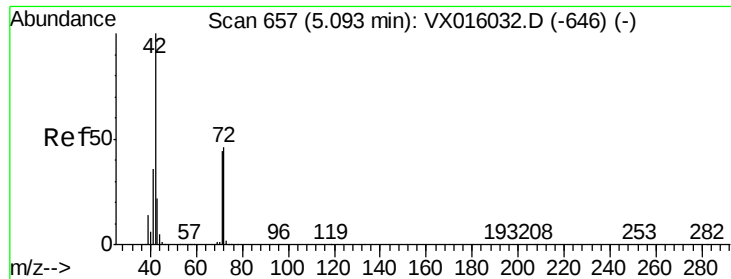
Abundance

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

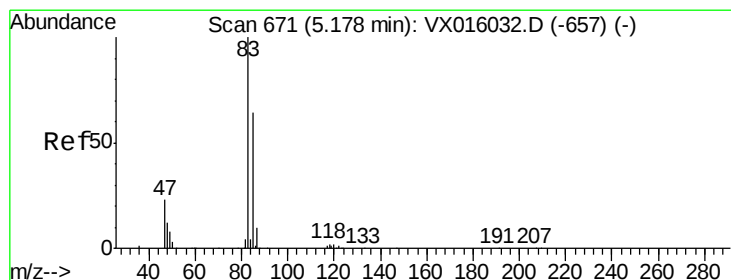
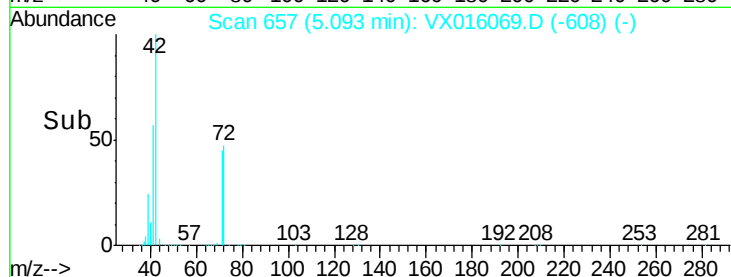
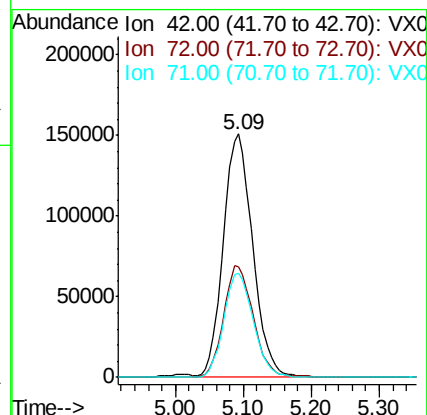
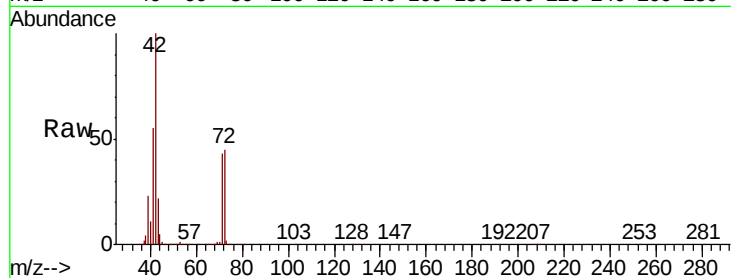




#29
Tetrahydrofuran
Concen: 241.990 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

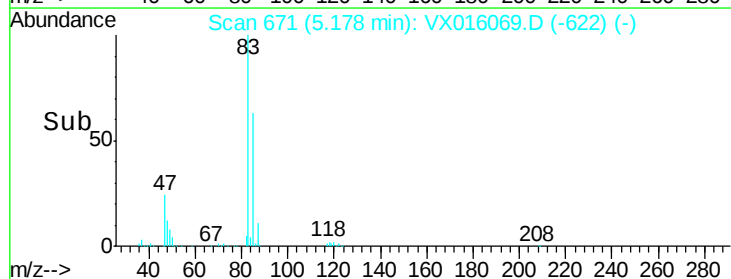
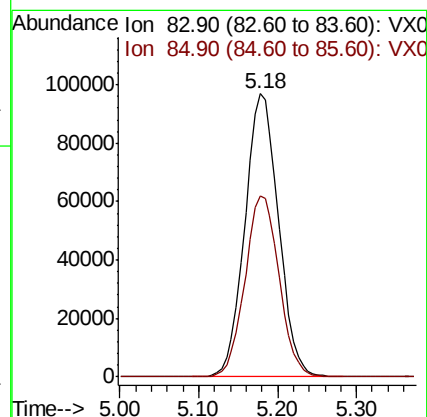
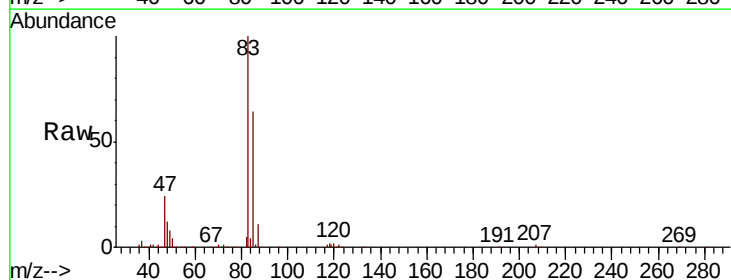
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

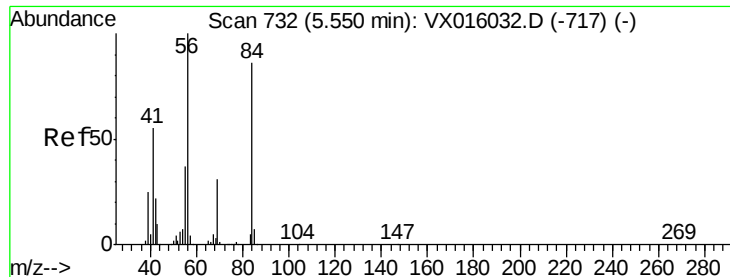
Tot Ion: 42 Resp: 451612
Ion Ratio Lower Upper
42 100
72 46.5 37.1 55.7
71 43.2 34.5 51.7



#30
Chloroform
Concen: 48.200 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 83 Resp: 287372
Ion Ratio Lower Upper
83 100
85 64.0 51.6 77.4

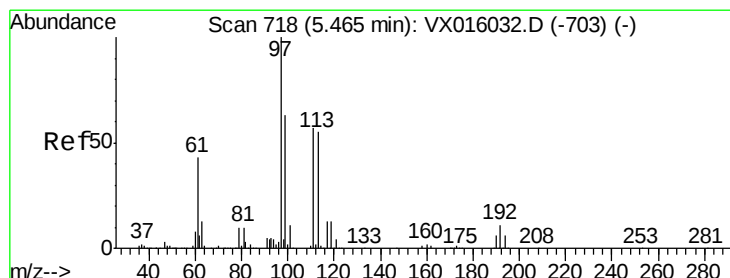
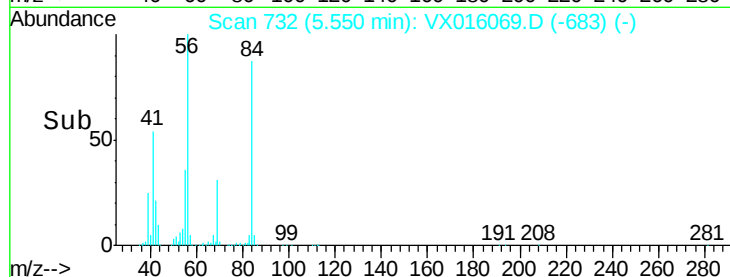
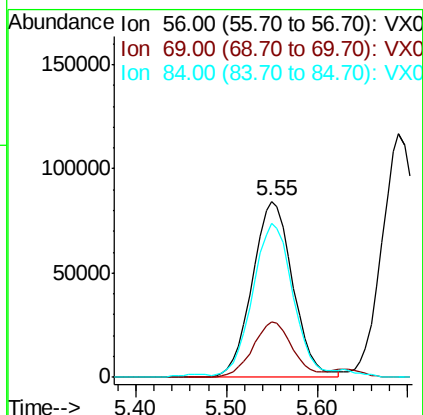
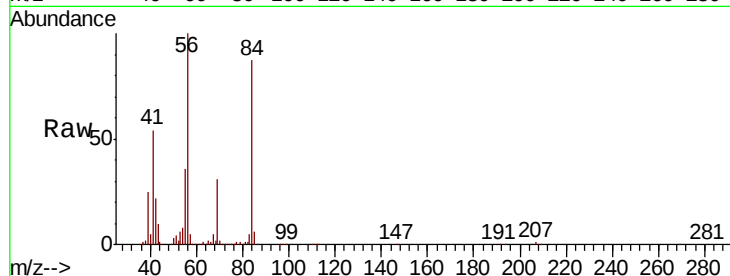




#31
Cyclohexane
Concen: 48.009 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

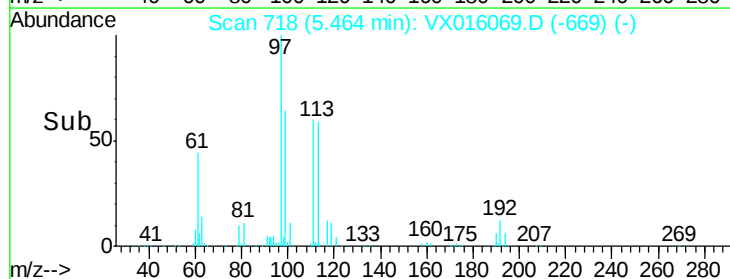
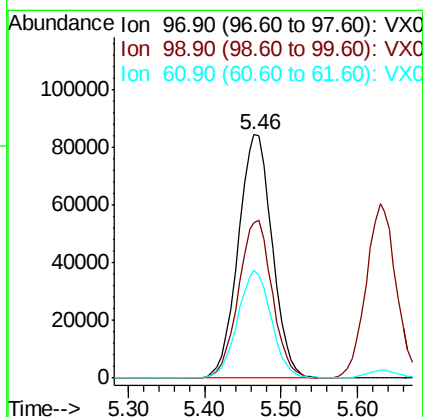
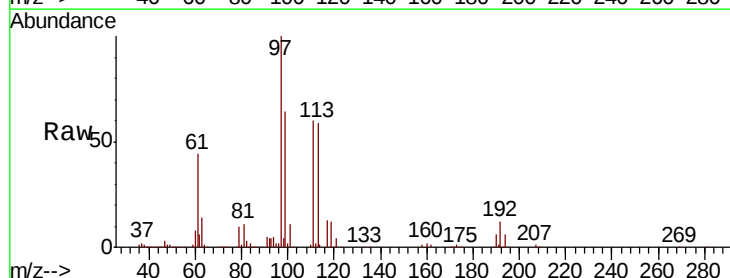
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion: 56 Resp: 261266
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.6
84 85.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 48.112 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 97 Resp: 260739
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 43.8 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 47.140 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

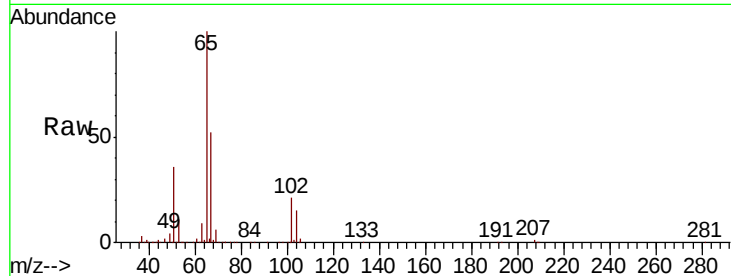
SA-PZ148-20200428MS

Tot Ion: 65 Resp: 184662

Ion Ratio Lower Upper

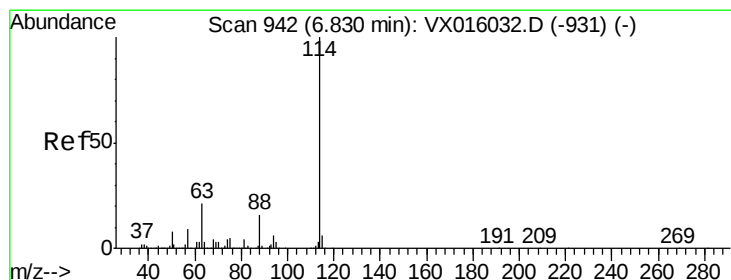
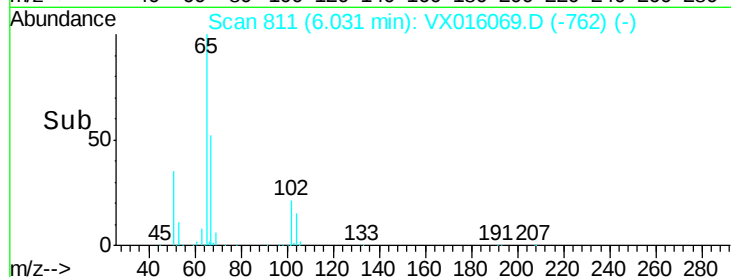
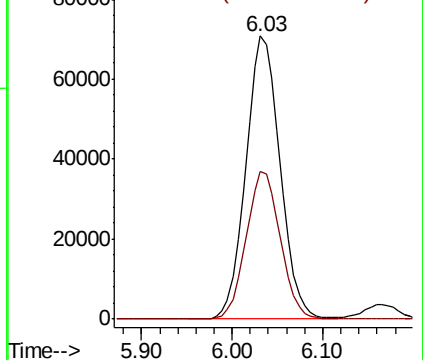
65 100

67 52.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

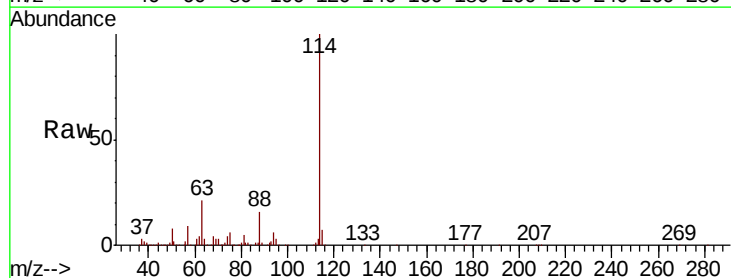
Tgt Ion: 114 Resp: 485743

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

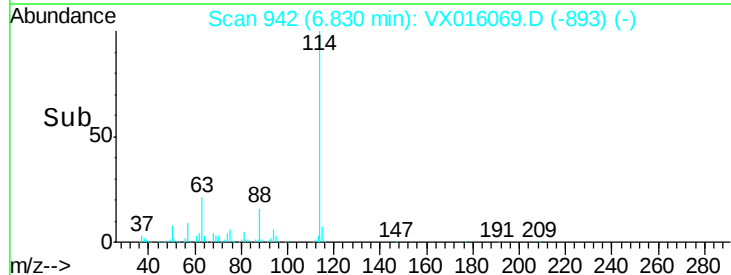
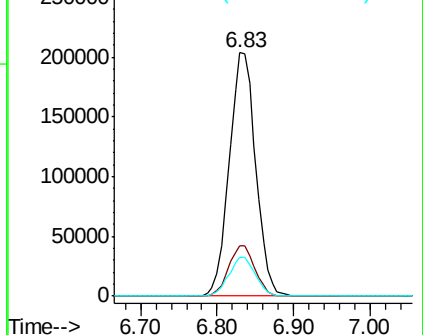
88 16.0 0.0 31.4

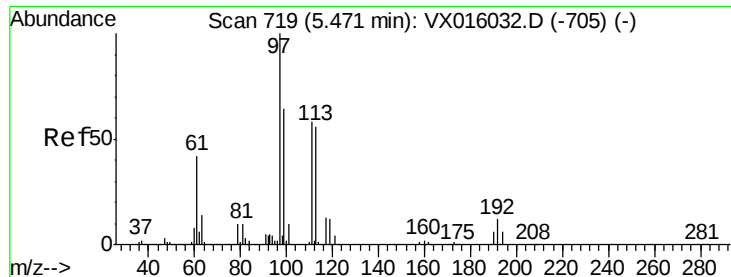


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.676 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

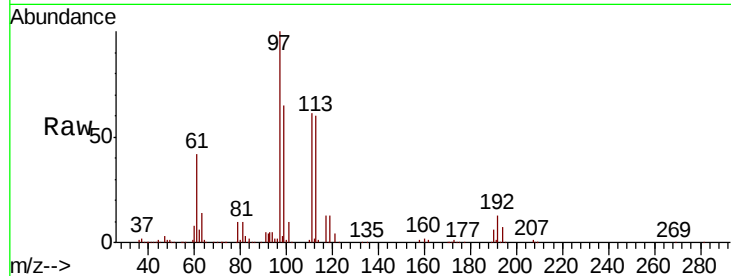
Tot Ion:113 Resp: 143641

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

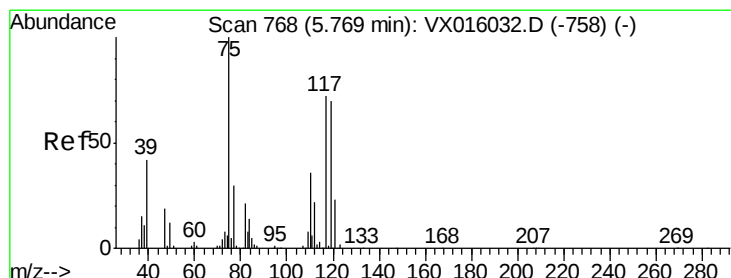
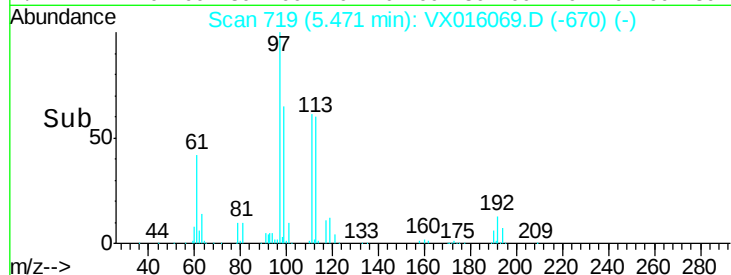
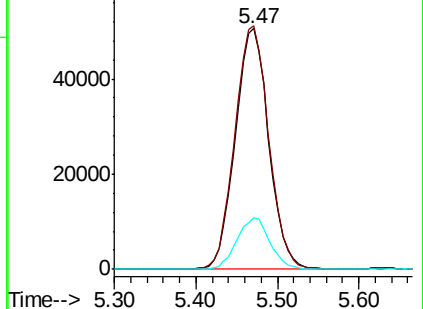
192 21.2 17.0 25.4



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: 45.994 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

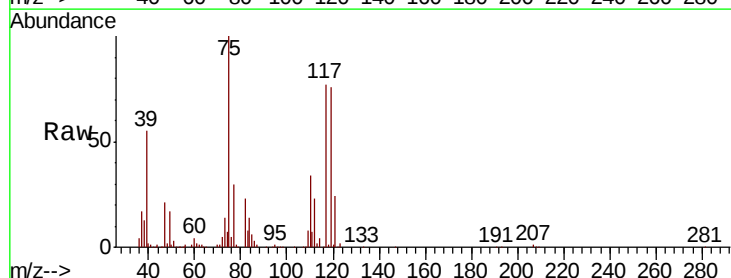
Tgt Ion: 75 Resp: 219918

Ion Ratio Lower Upper

75 100

110 35.2 18.1 54.1

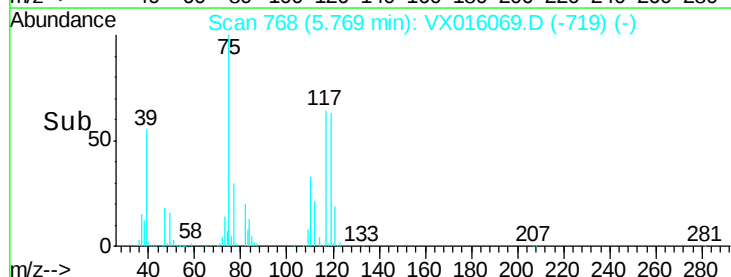
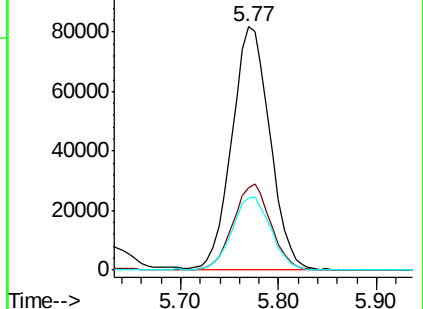
77 30.9 25.0 37.6

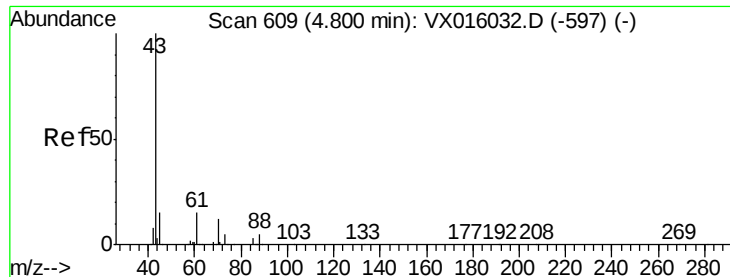


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

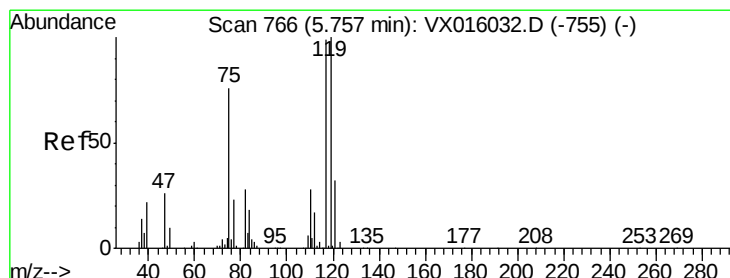
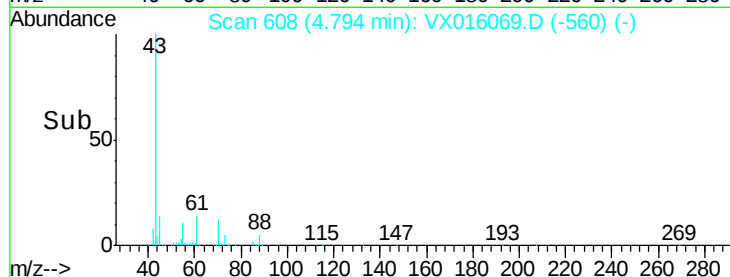
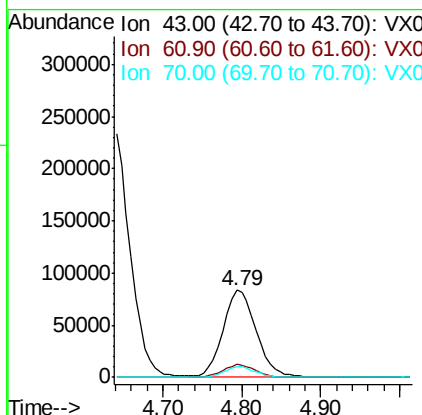
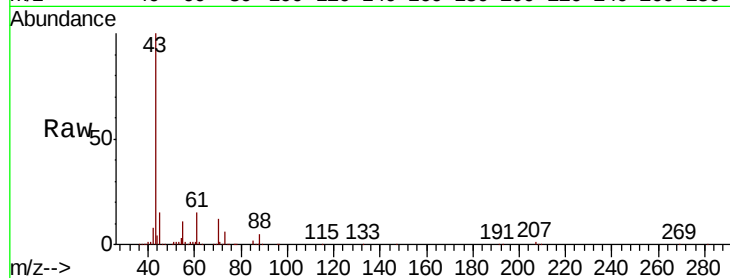




#37
Ethyl Acetate
Concen: 43.842 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

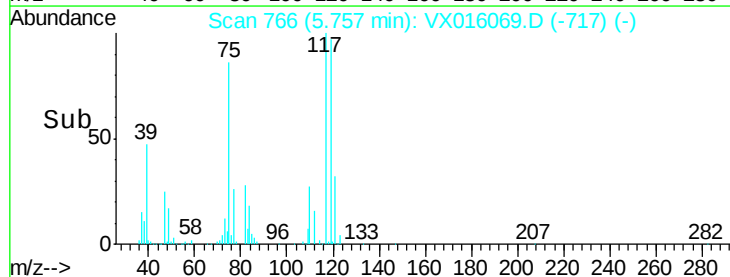
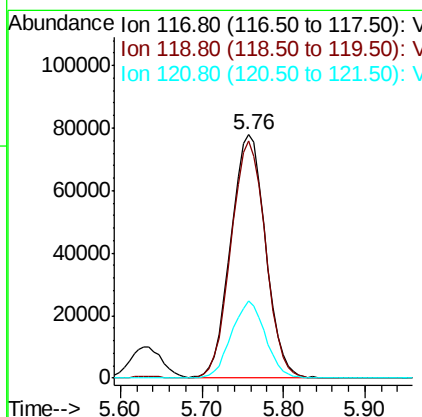
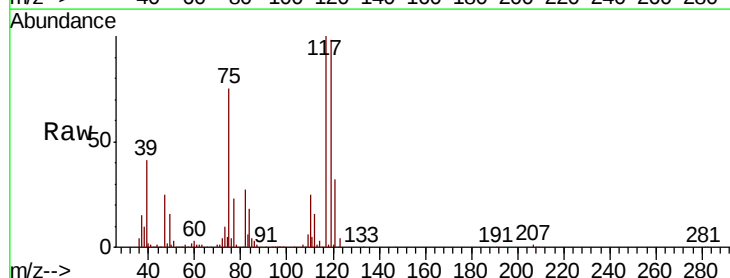
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

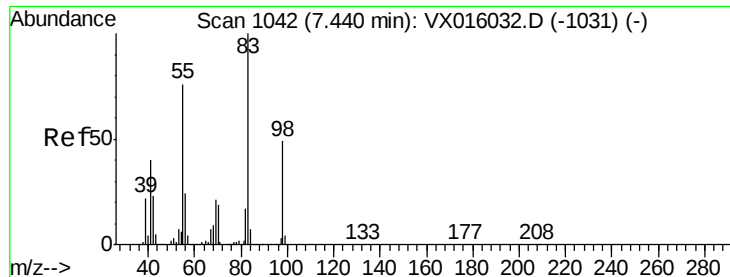
Tot Ion	43	Resp	242967
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.7	17.5
70	11.6	9.3	13.9



#38
Carbon Tetrachloride
Concen: 47.311 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	117	Resp	229933
Ion Ratio	Lower	Upper	
117	100		
119	97.6	80.3	120.5
121	31.6	25.7	38.5

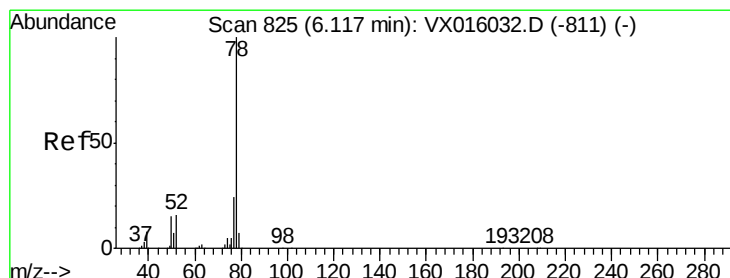
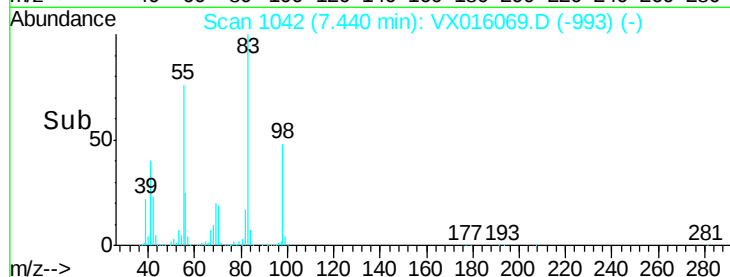
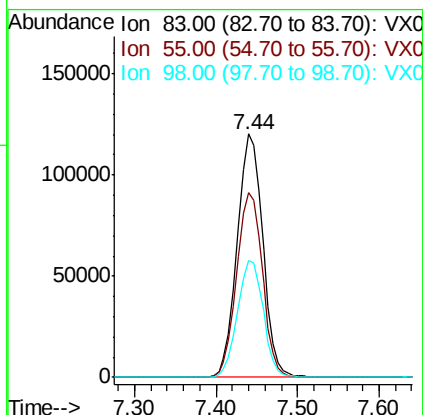
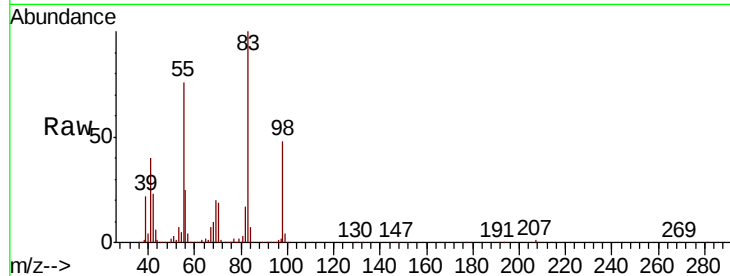




#39
Methvlcvclohexane
Concen: 45.298 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

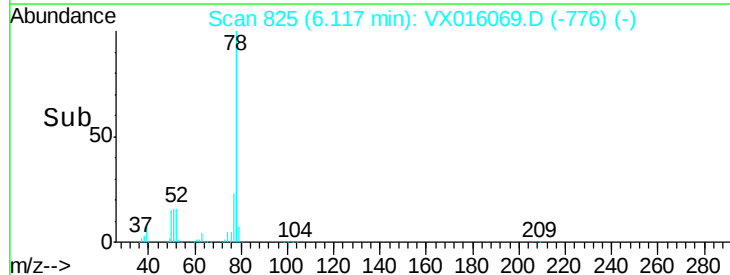
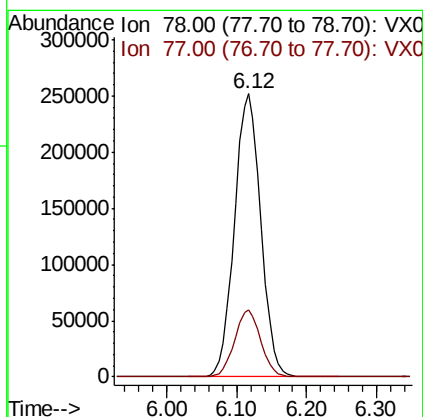
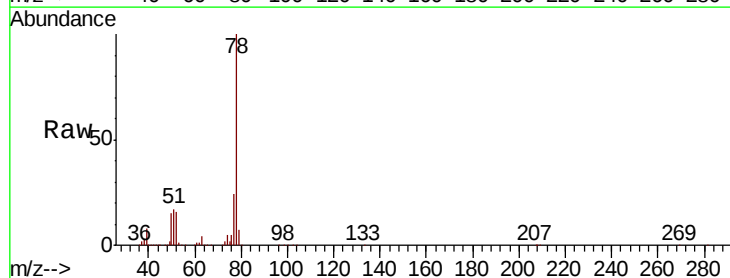
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion: 83 Resp: 260834
Ion Ratio Lower Upper
83 100
55 75.7 61.1 91.7
98 48.1 39.0 58.4



#40
Benzene
Concen: 46.814 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 78 Resp: 654938
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

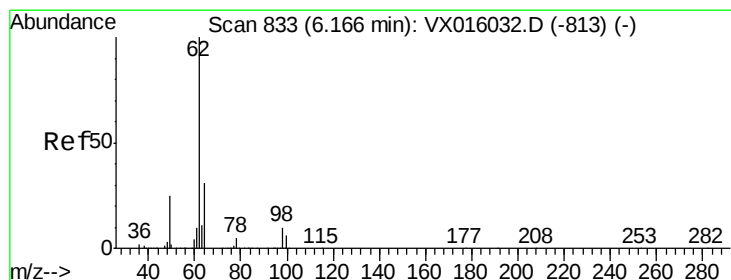
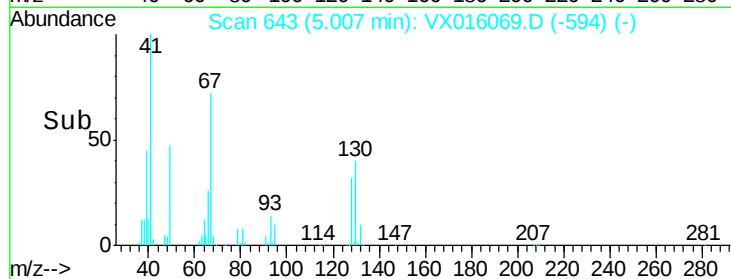
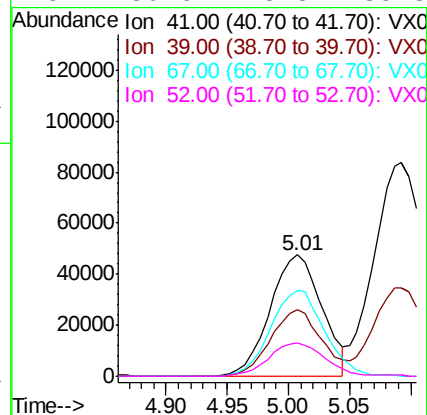
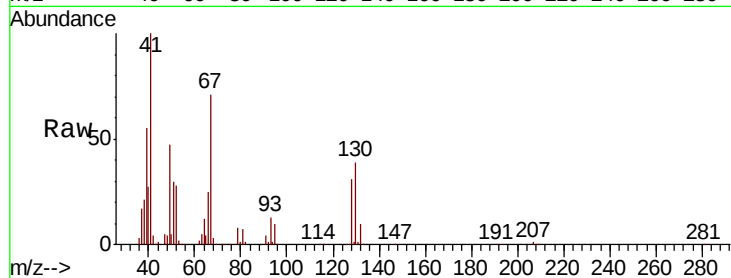




#41
Methacrylonitrile
Concen: 46.676 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

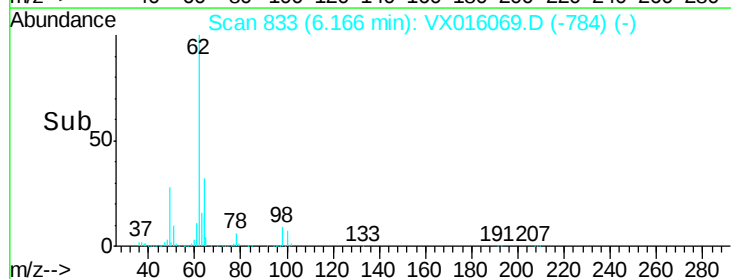
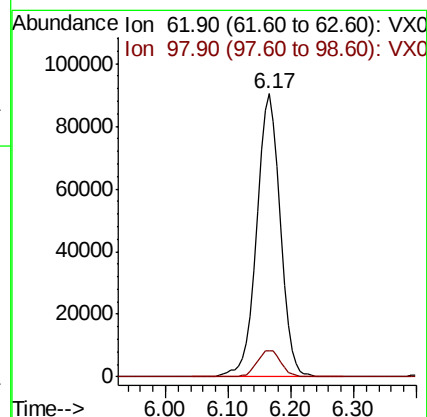
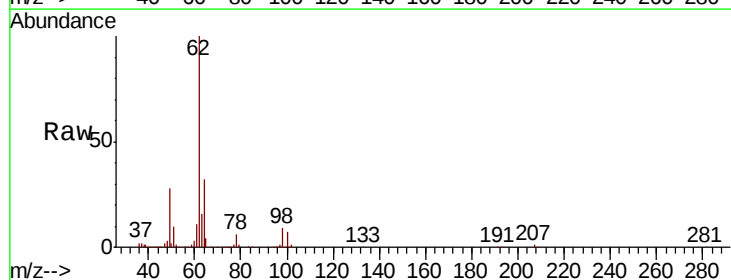
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

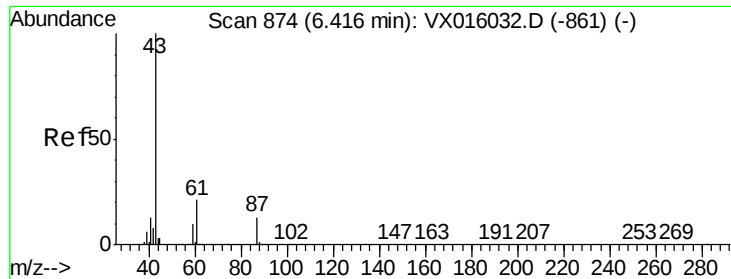
Tot Ion:	41	Resp:	139696
Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.2	64.8
67	74.2	59.3	88.9
52	30.6	23.5	35.3



#42
1,2-Dichloroethane
Concen: 46.656 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion:	62	Resp:	235134
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4



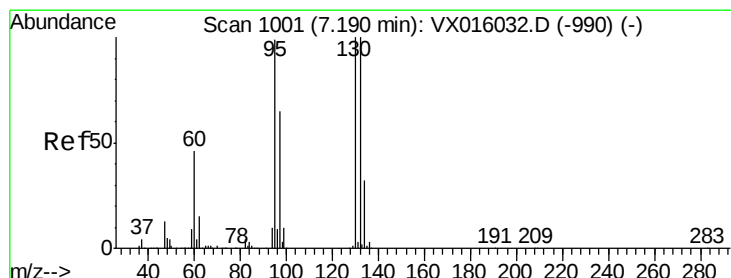
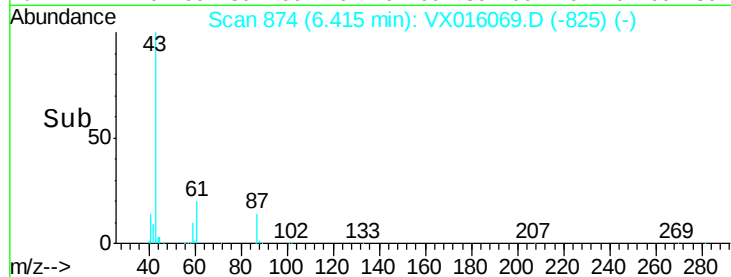
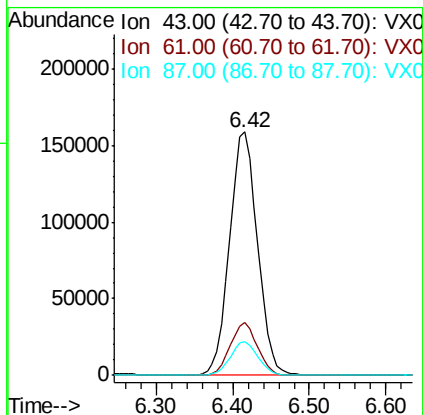
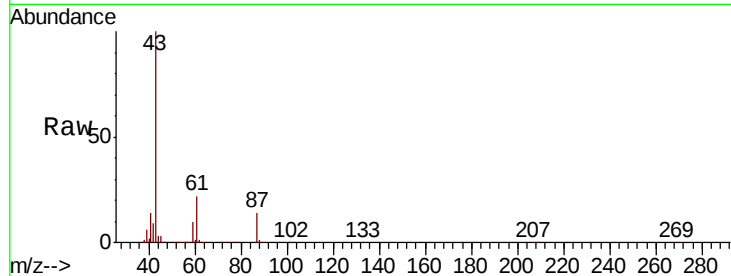


#43

Isopropyl Acetate
 Concen: 45.236 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

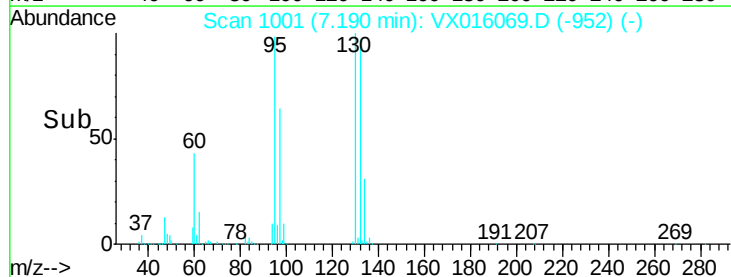
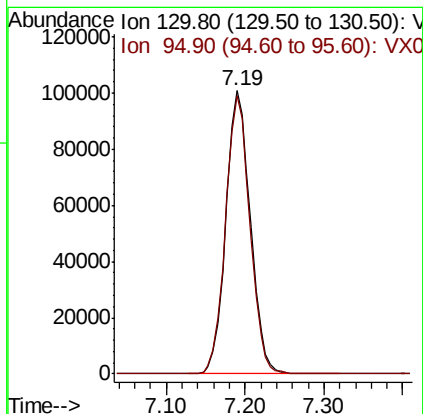
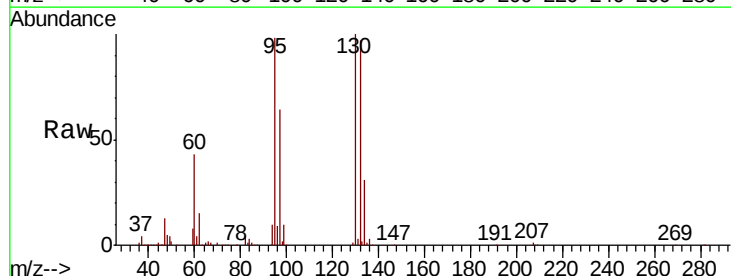
Tot Ion	43	Resp	399985
Ion Ratio	Lower	Upper	
43	100		
61	21.1	17.0	25.4
87	13.7	11.0	16.6

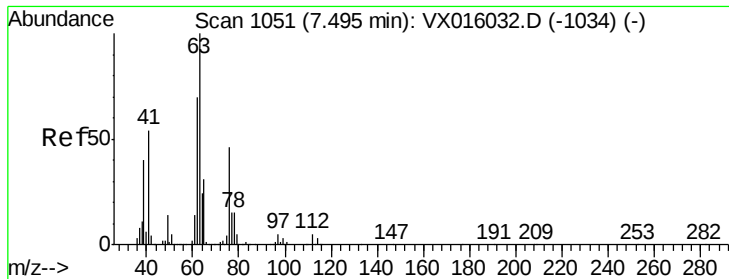


#44

Trichloroethene
 Concen: 43.758 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	130	Resp	217486
Ion Ratio	Lower	Upper	
130	100		
95	98.2	0.0	197.4





#45

1,2-Dichloropropane

Concen: 47.734 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

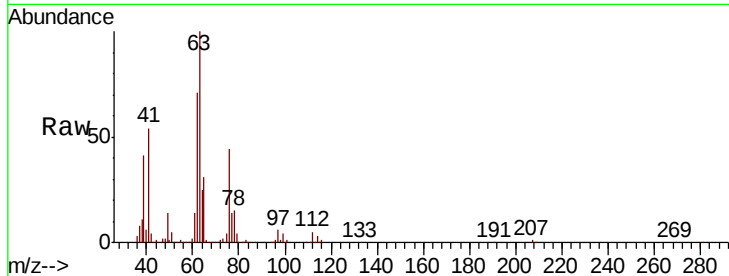
SA-PZ148-20200428MS

Tot Ion: 63 Resp: 168981

Ion Ratio Lower Upper

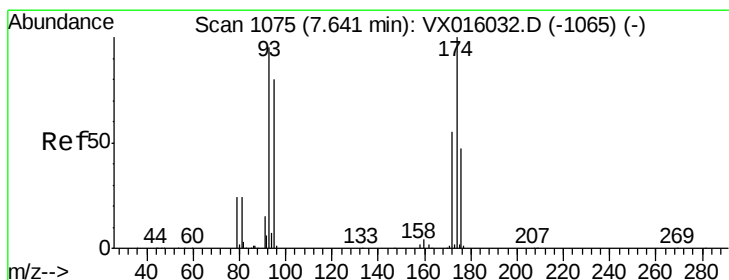
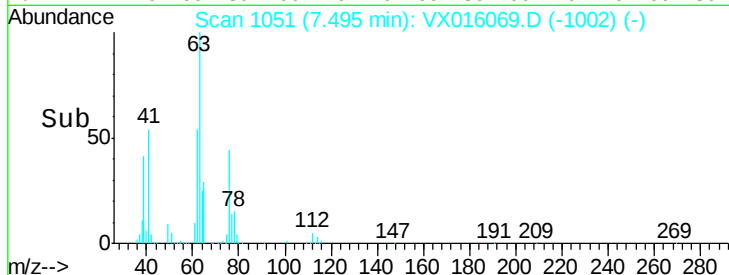
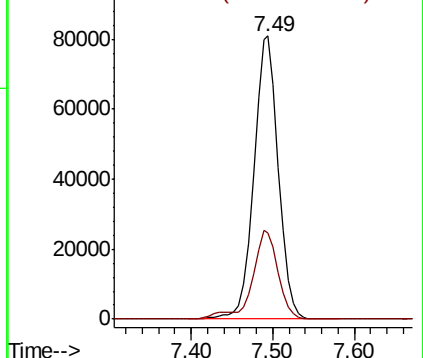
63 100

65 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.273 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

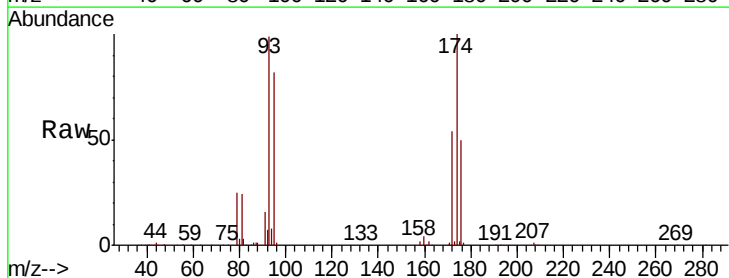
Tgt Ion: 93 Resp: 113726

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

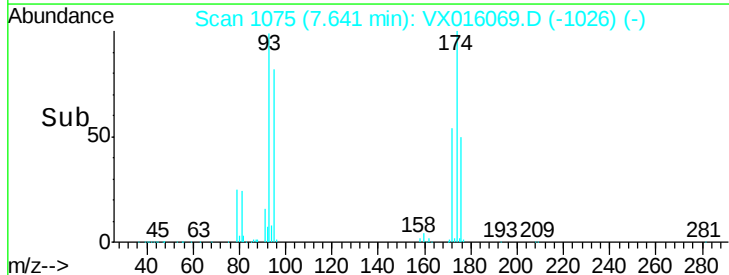
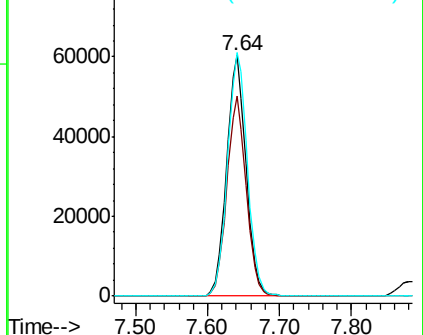
174 103.2 84.2 126.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.707 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

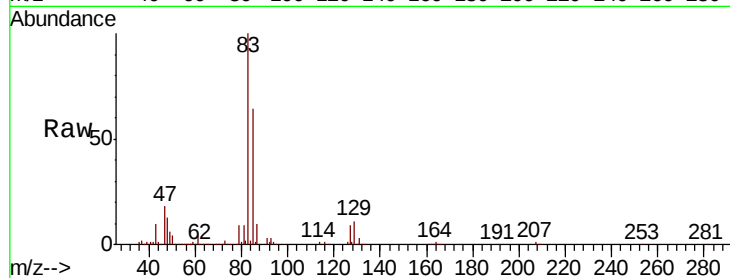
Tot Ion: 83 Resp: 233743

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7

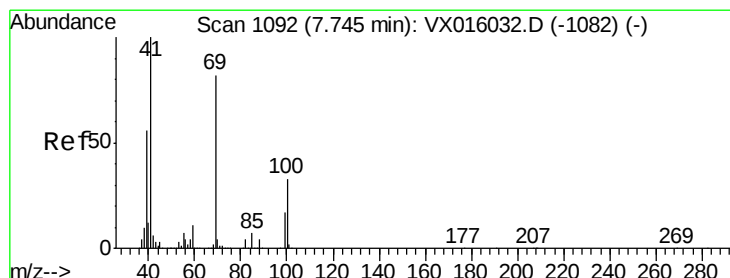
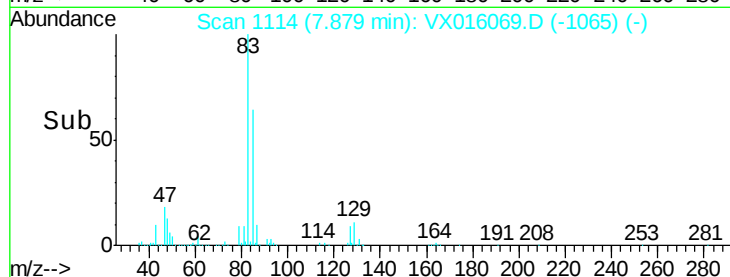
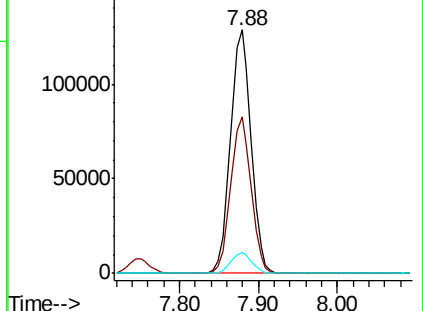
127 8.5 6.7 10.1



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: 47.583 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

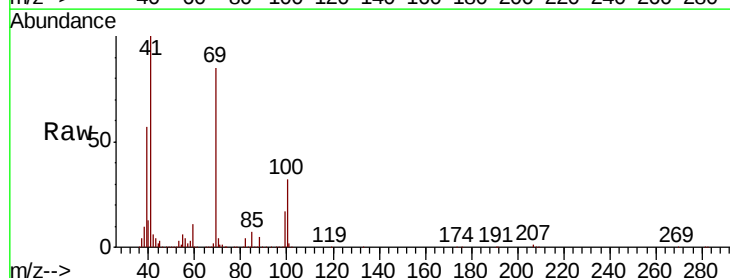
Tgt Ion: 41 Resp: 199368

Ion Ratio Lower Upper

41 100

69 85.0 67.8 101.6

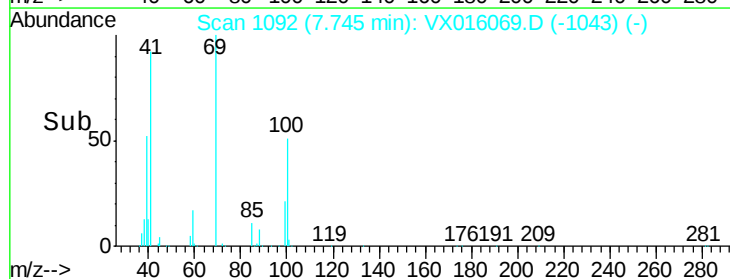
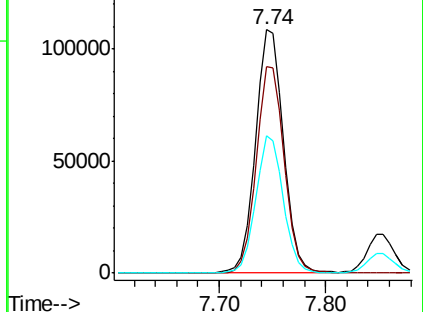
39 55.1 44.6 67.0

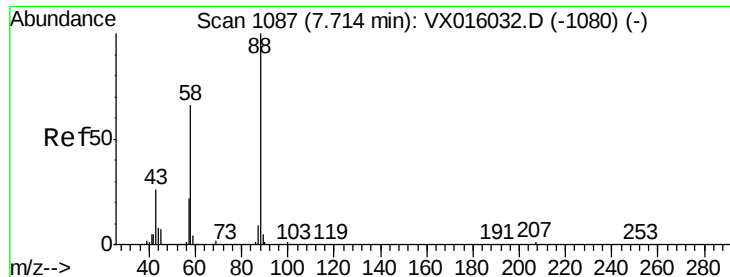


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 912.070 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

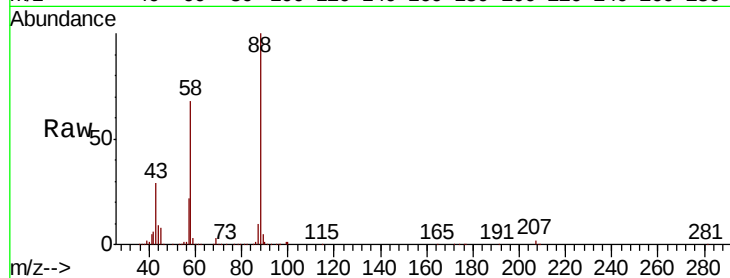
Tot Ion: 88 Resp: 91651

Ion Ratio Lower Upper

88 100

43 32.3 25.3 37.9

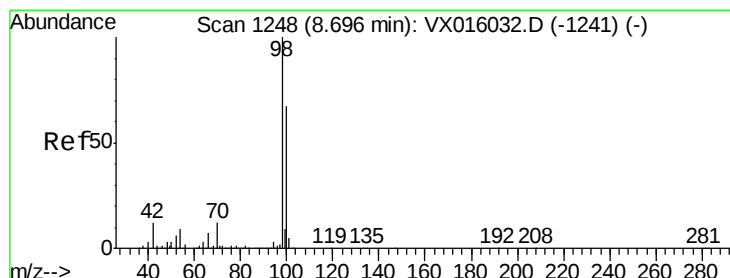
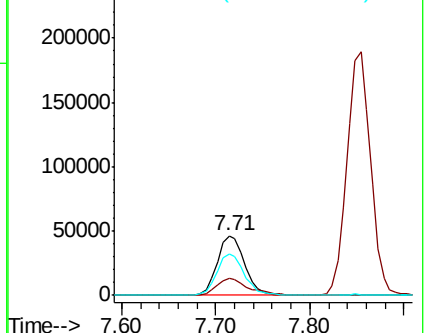
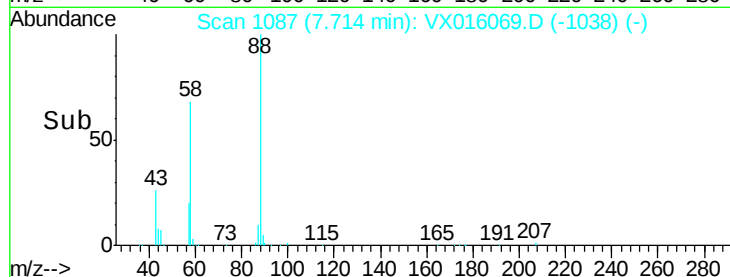
58 70.9 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.740 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016069.D

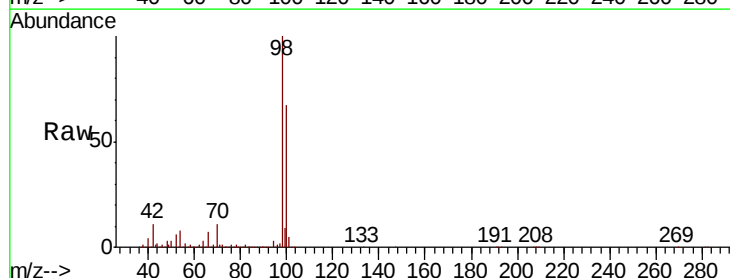
Acq: 05 May 2020 17:13

Tgt Ion: 98 Resp: 554212

Ion Ratio Lower Upper

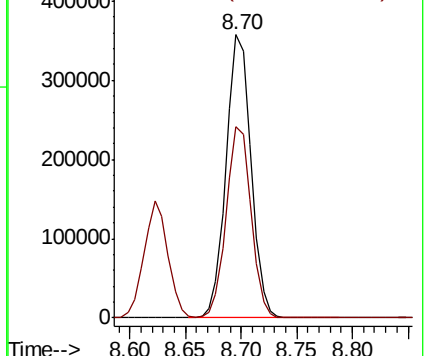
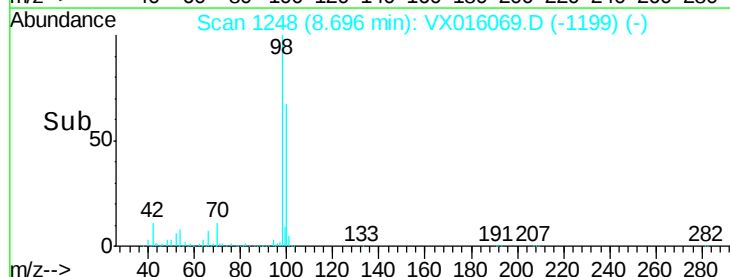
98 100

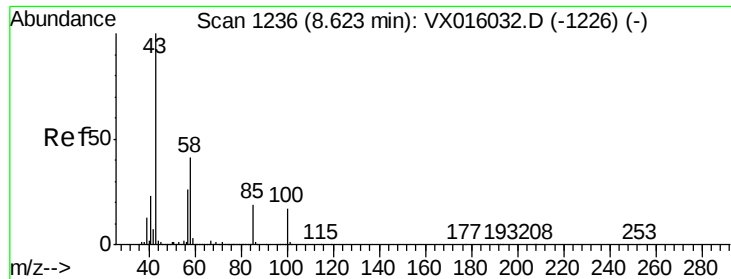
100 67.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 241.600 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

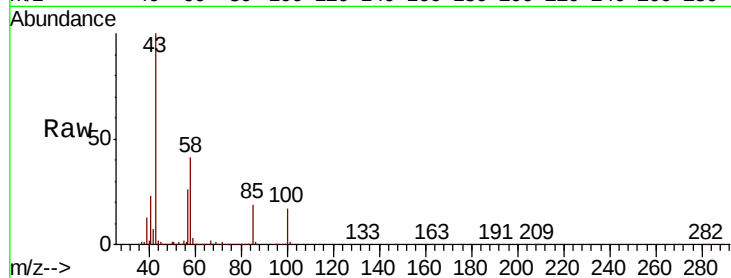
SA-PZ148-20200428MS

Tot Ion: 43 Resp: 1307278

Ion Ratio Lower Upper

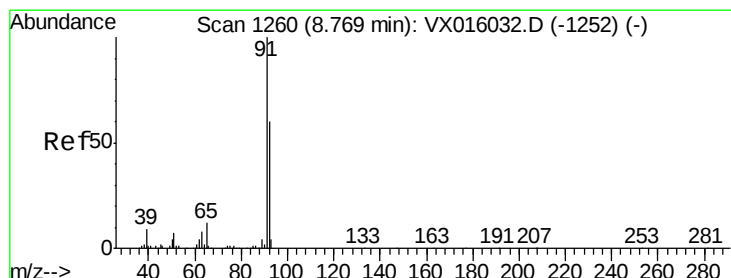
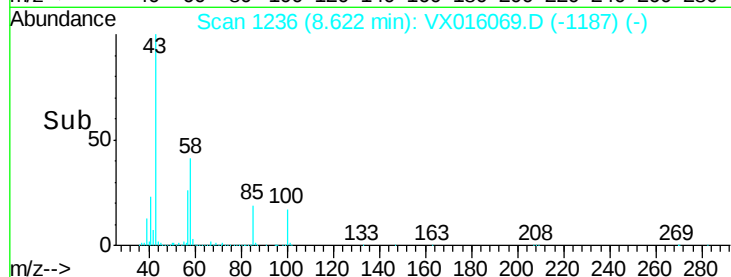
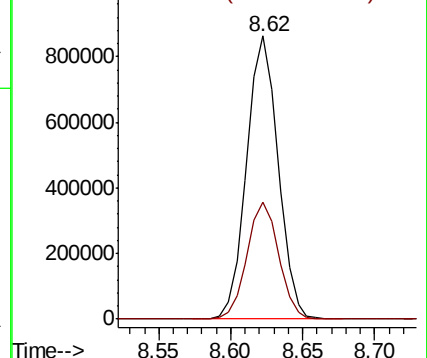
43 100

58 41.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.456 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016069.D

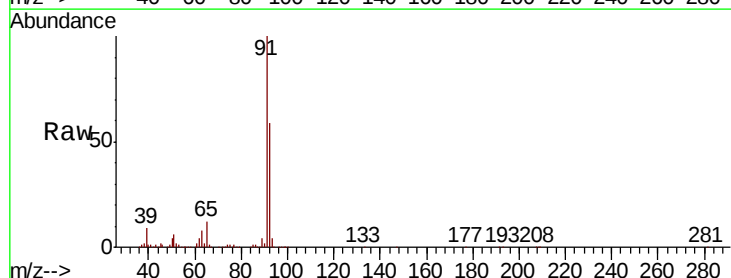
Acq: 05 May 2020 17:13

Tgt Ion: 92 Resp: 413837

Ion Ratio Lower Upper

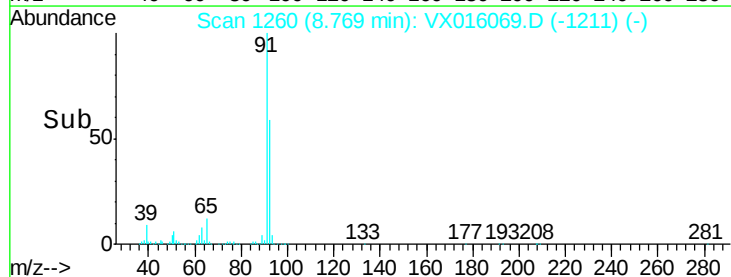
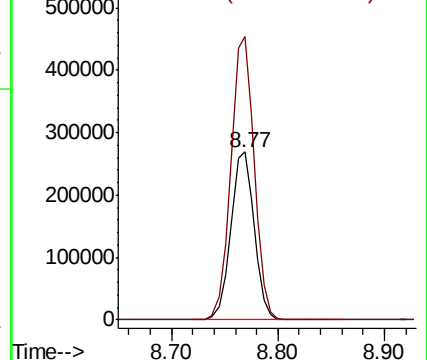
92 100

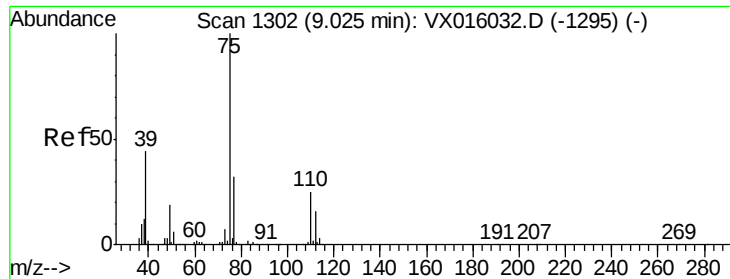
91 168.5 134.5 201.7



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: 45.687 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

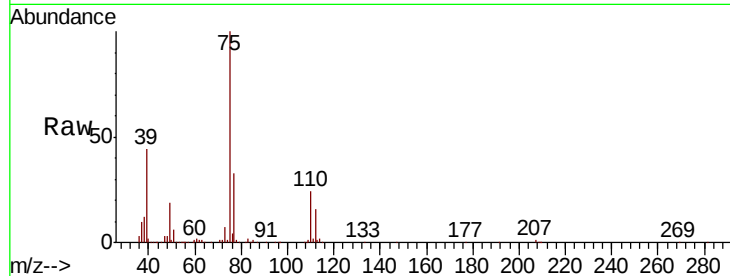
SA-PZ148-20200428MS

Tot Ion: 75 Resp: 266896

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

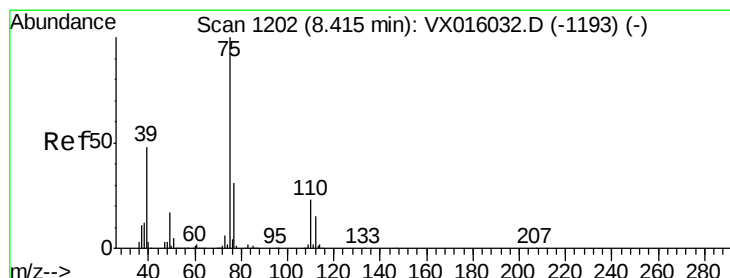
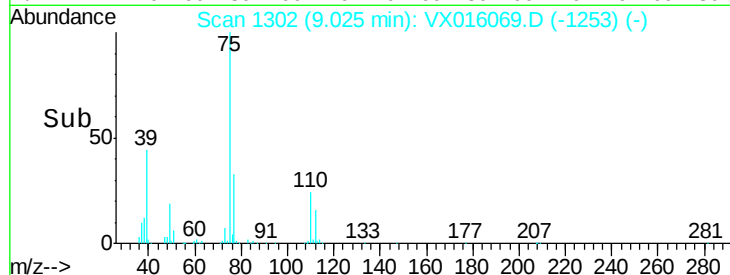
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.501 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

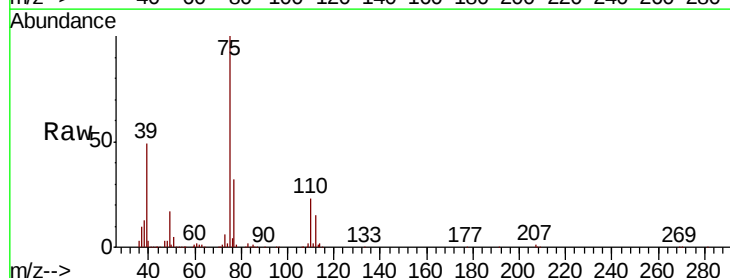
Tgt Ion: 75 Resp: 277640

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 48.5 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

200000

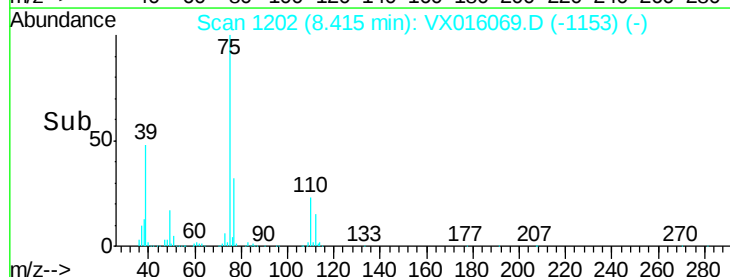
150000

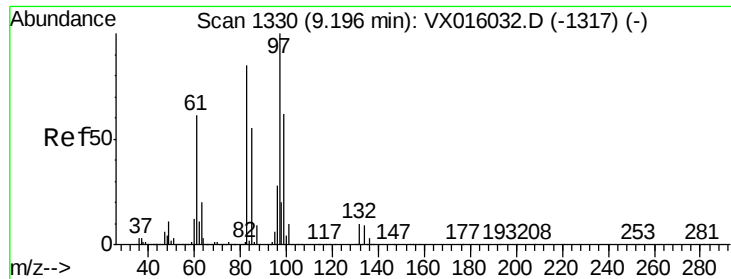
100000

50000

0

Time-->

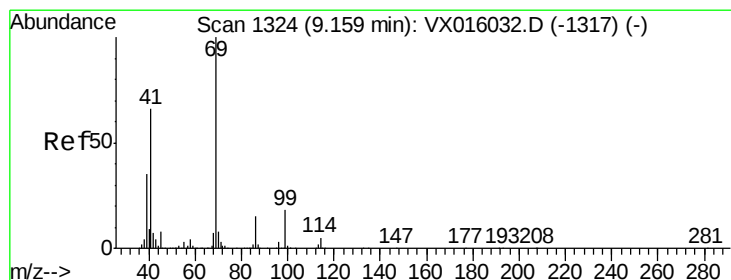
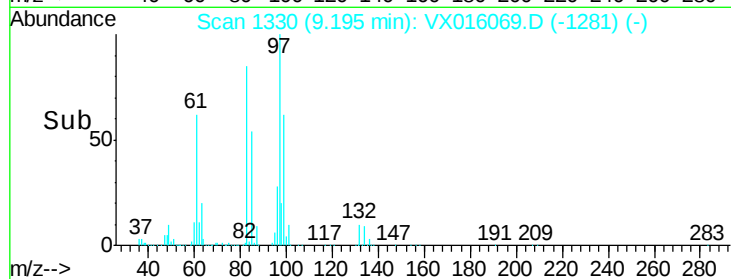
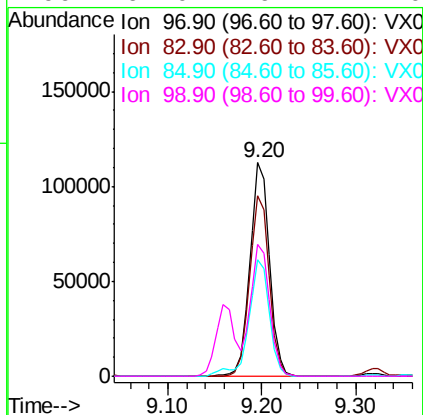
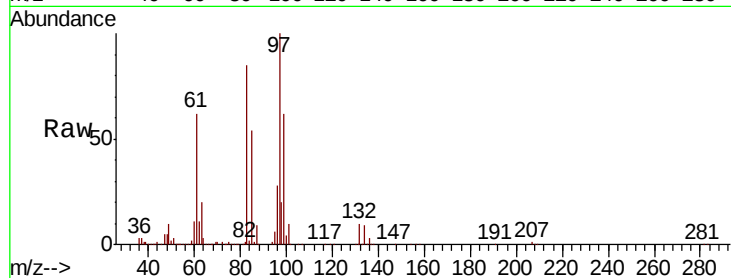




#55
 1,1,2-Trichloroethane
 Concen: 47.776 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

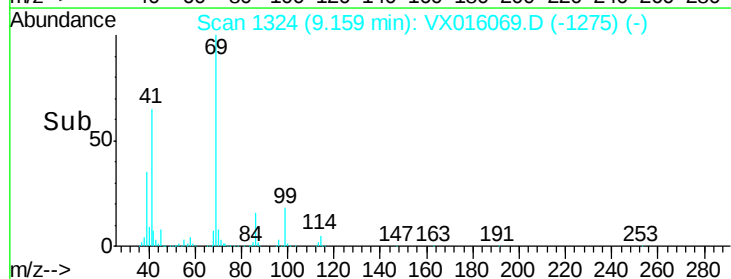
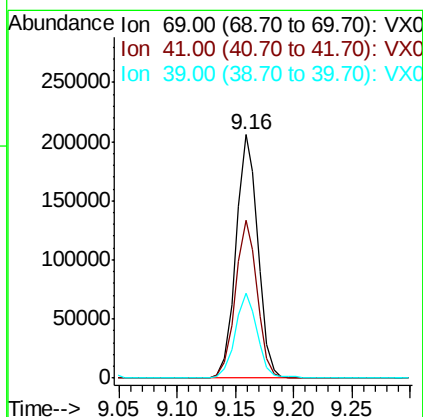
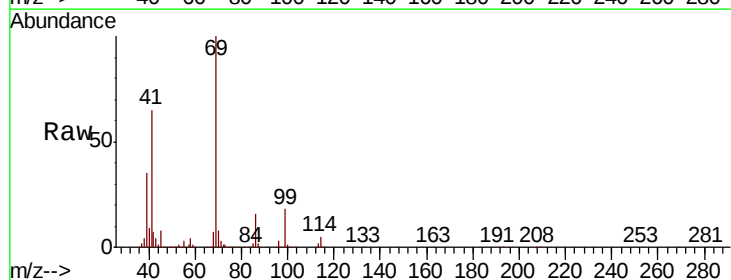
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

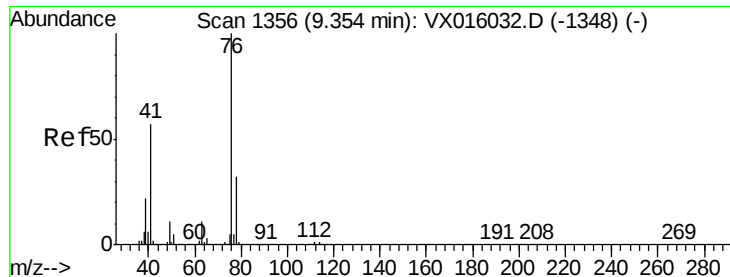
Tot Ion:	97	Resp:	163917
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.8
85	54.3	43.8	65.8
99	62.0	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 48.269 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion:	69	Resp:	270325
Ion	Ratio	Lower	Upper
69	100		
41	64.5	52.2	78.4
39	35.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 47.698 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

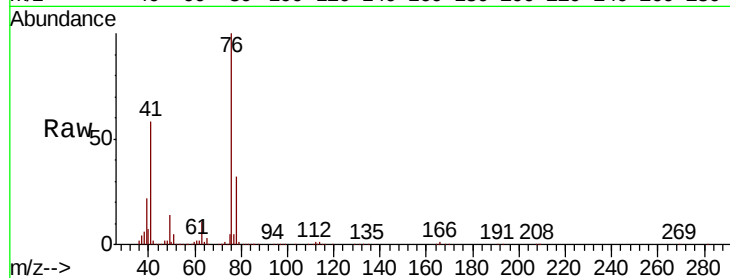
SA-PZ148-20200428MS

Tot Ion: 76 Resp: 285548

Ion Ratio Lower Upper

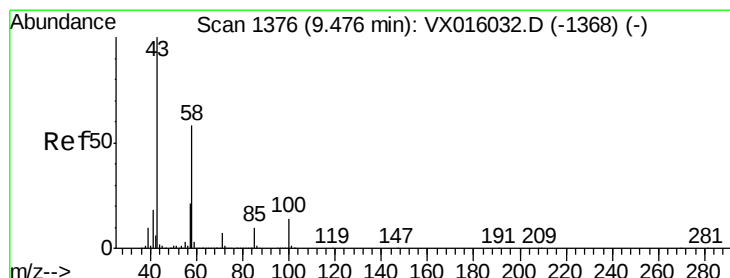
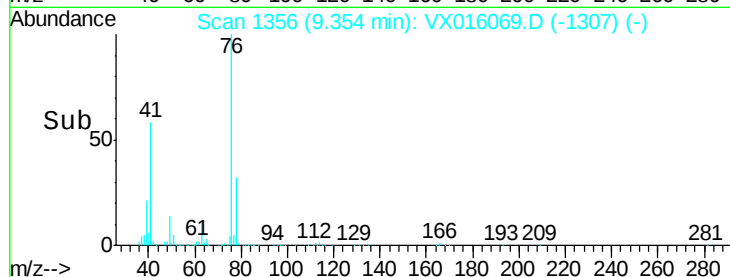
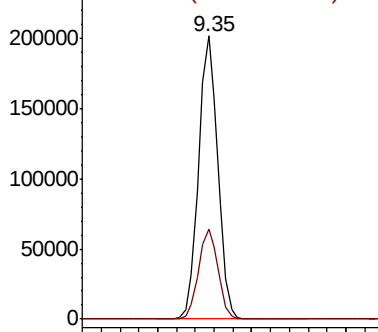
76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 239.760 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016069.D

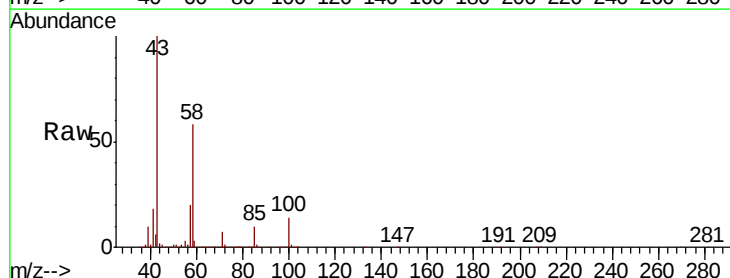
Acq: 05 May 2020 17:13

Tgt Ion: 43 Resp: 1018819

Ion Ratio Lower Upper

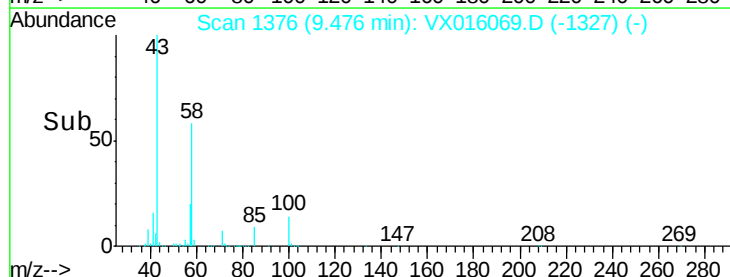
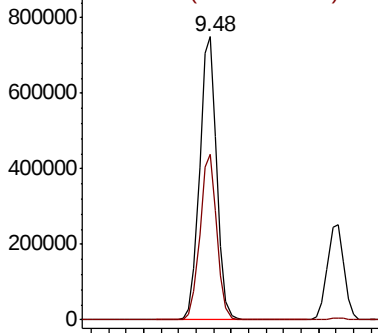
43 100

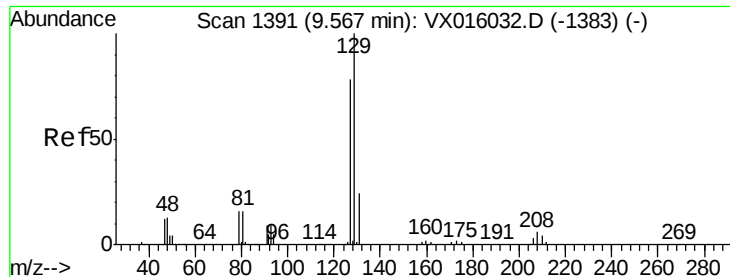
58 57.8 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 48.868 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

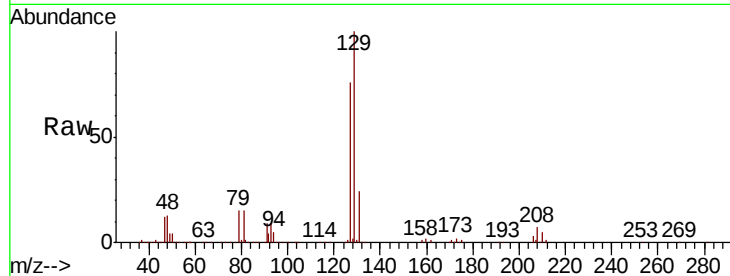
SA-PZ148-20200428MS

Tot Ion:129 Resp: 184655

Ion Ratio Lower Upper

129 100

127 76.2 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

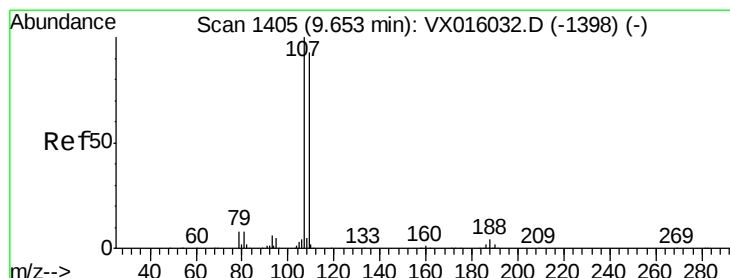
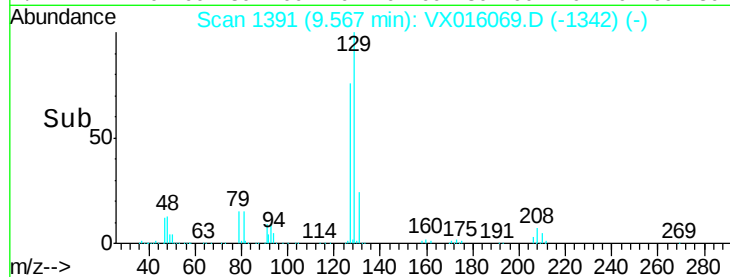
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 47.517 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016069.D

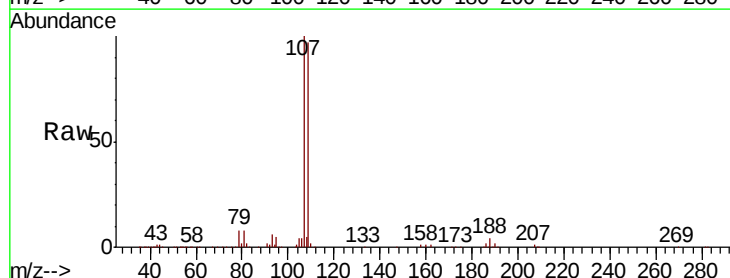
Acq: 05 May 2020 17:13

Tgt Ion:107 Resp: 176586

Ion Ratio Lower Upper

107 100

109 95.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

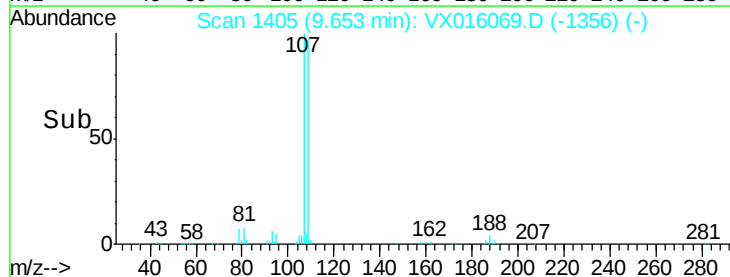
9.65

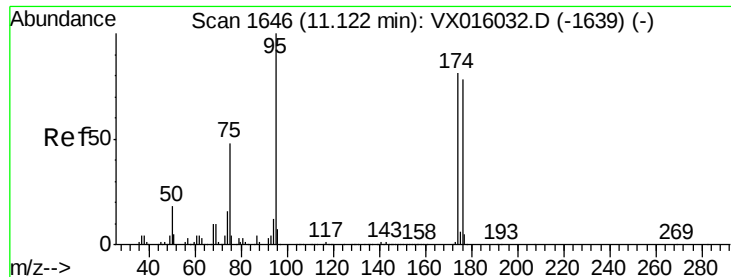
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.914 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

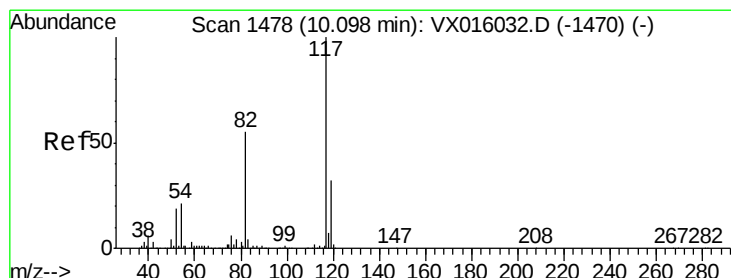
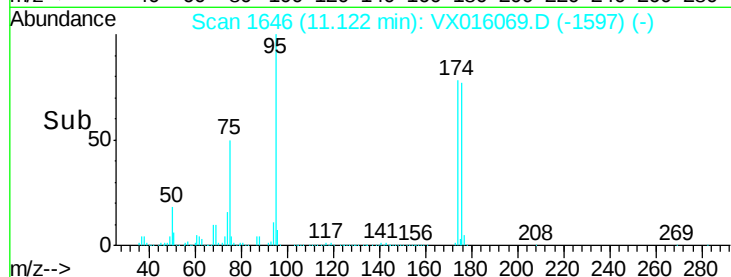
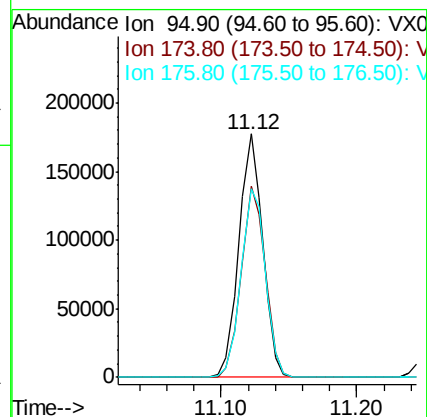
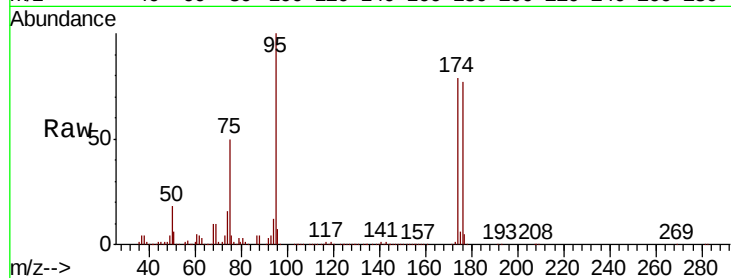
Tot Ion: 95 Resp: 216093

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.4

176 79.3 0.0 157.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

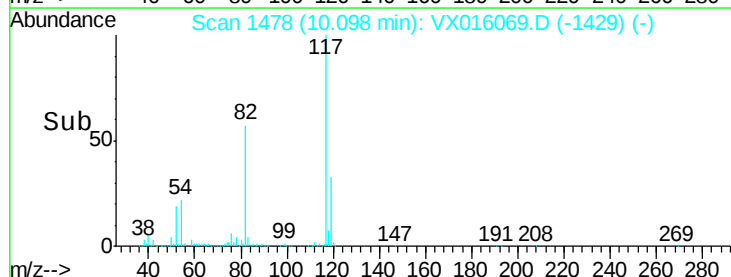
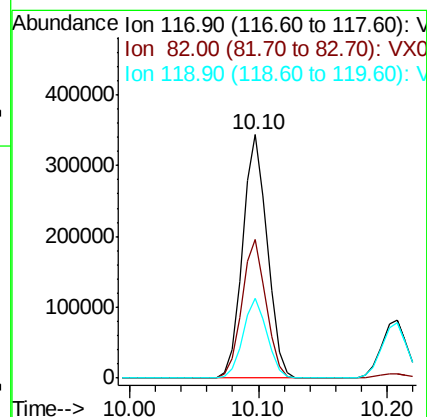
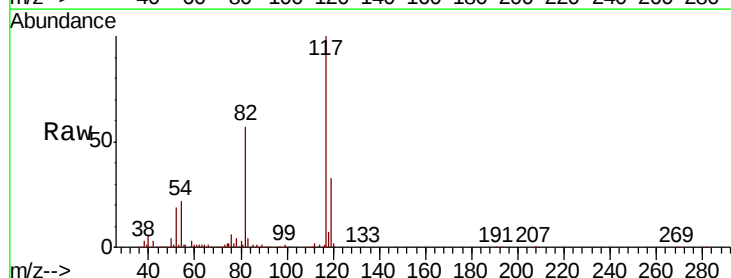
Tgt Ion: 117 Resp: 452351

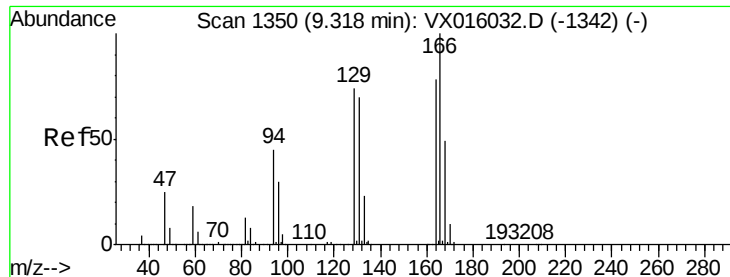
Ion Ratio Lower Upper

117 100

82 57.1 44.4 66.6

119 32.6 25.5 38.3

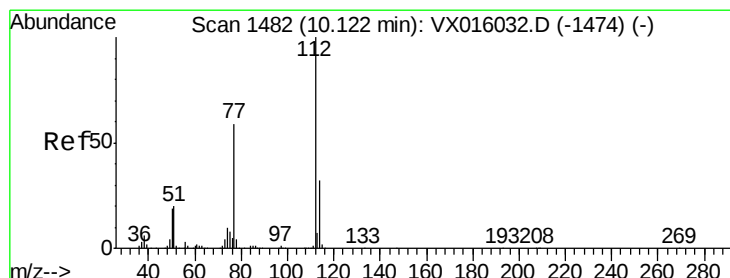
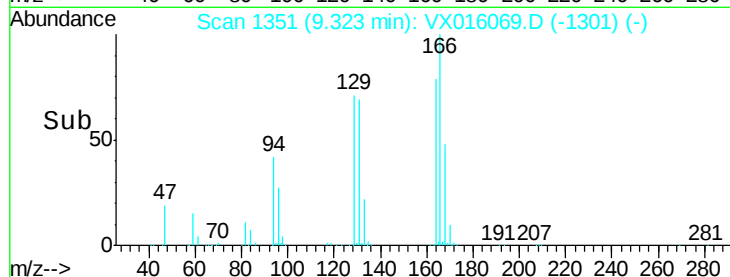
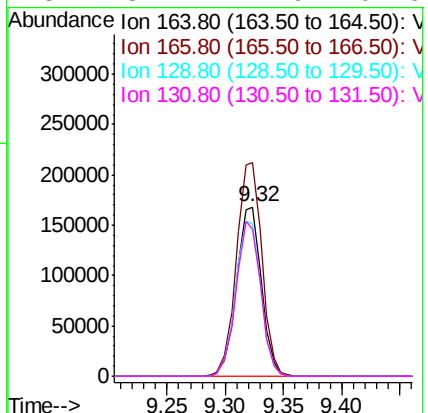
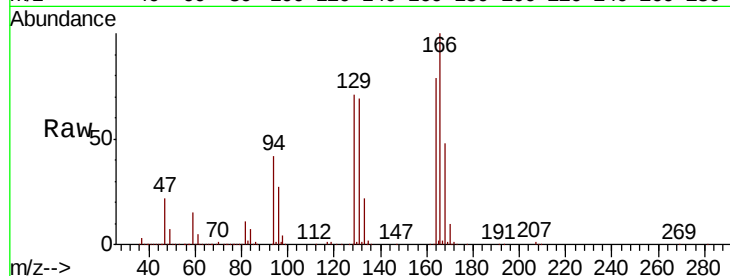




#64
Tetrachloroethene
Concen: 45.148 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

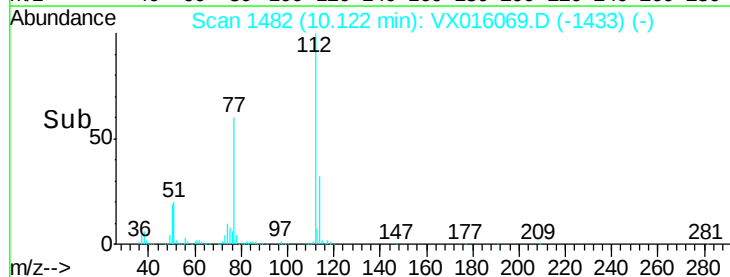
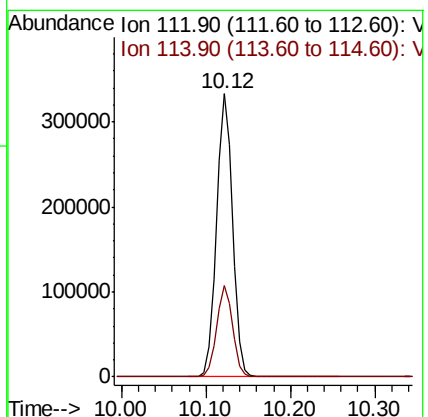
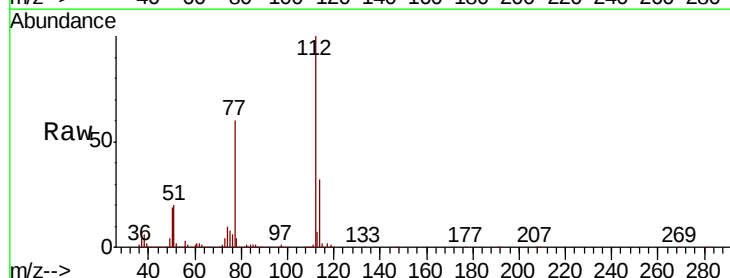
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

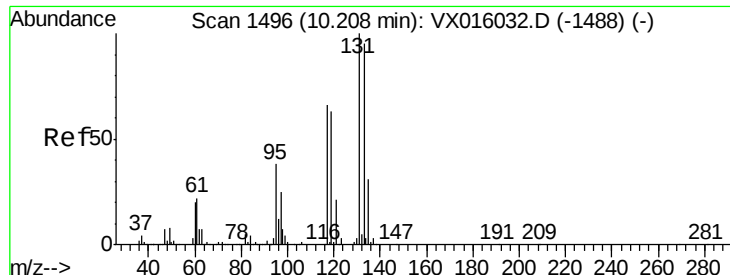
Tot Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.9	154.3
129	90.0	76.1	114.1
131	87.2	71.9	107.9



#65
Chlorobenzene
Concen: 46.404 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 47.354 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

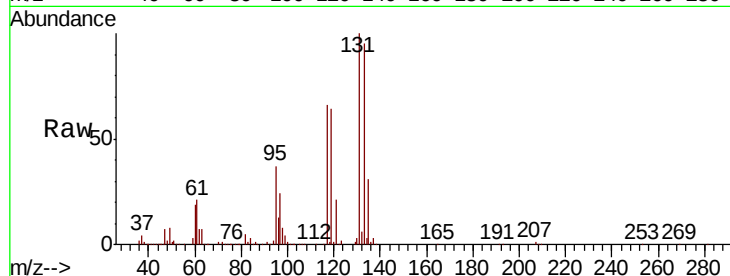
Tot Ion:131 Resp: 165779

Ion Ratio Lower Upper

131 100

133 96.3 48.3 144.8

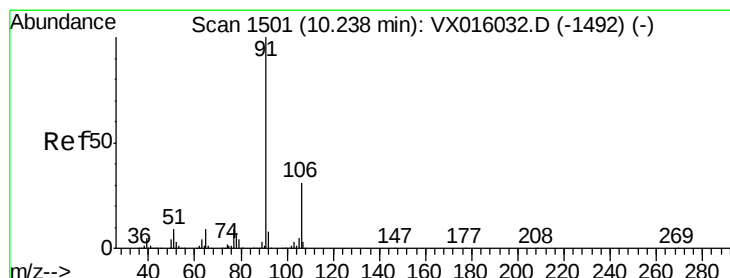
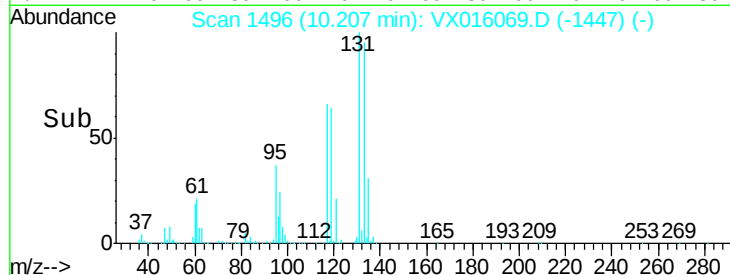
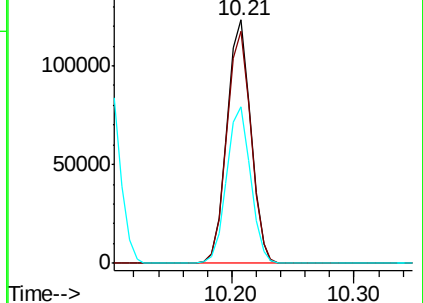
119 64.3 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 46.872 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016069.D

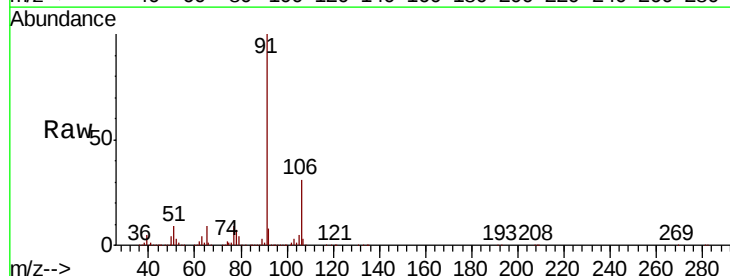
Acq: 05 May 2020 17:13

Tgt Ion: 91 Resp: 792141

Ion Ratio Lower Upper

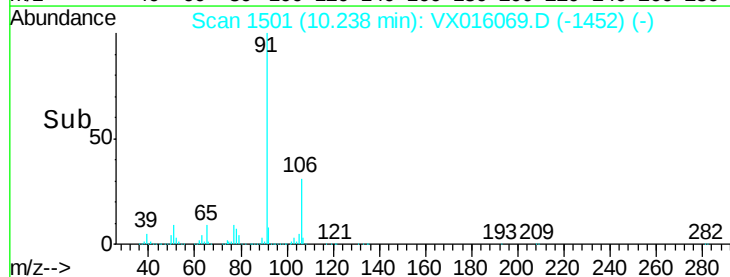
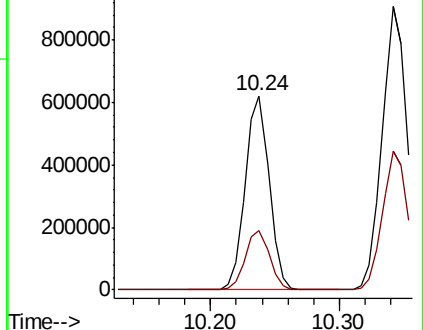
91 100

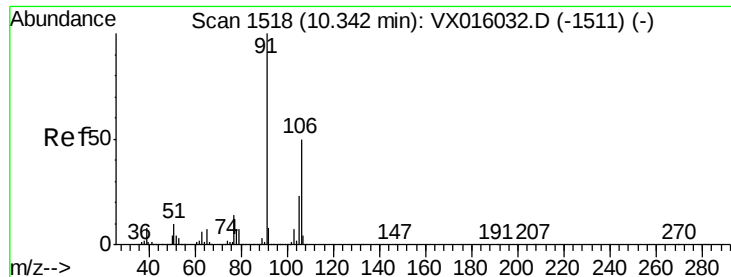
106 30.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 94.567 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

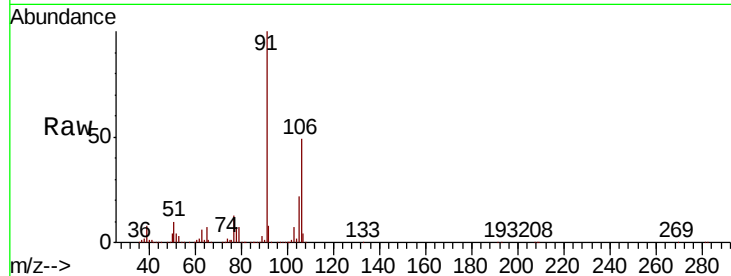
SA-PZ148-20200428MS

Tot Ion:106 Resp: 598778

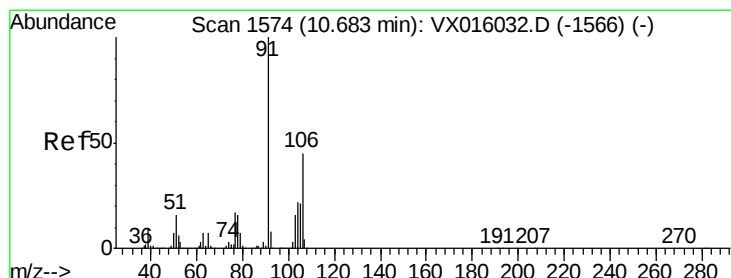
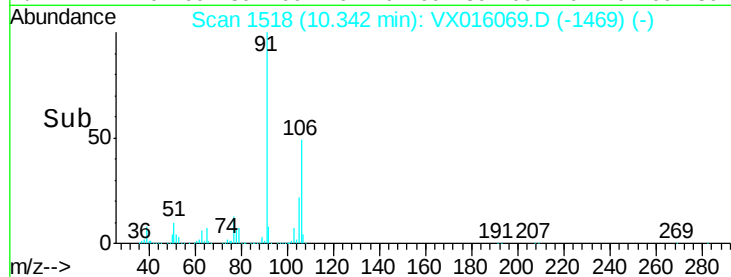
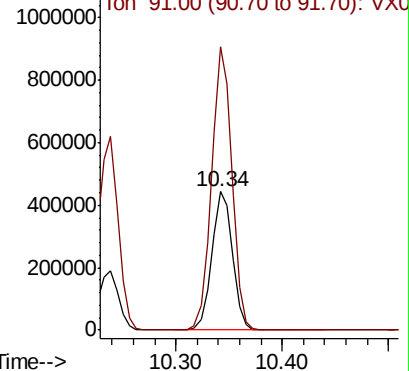
Ion Ratio Lower Upper

106 100

91 202.2 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 47.711 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016069.D

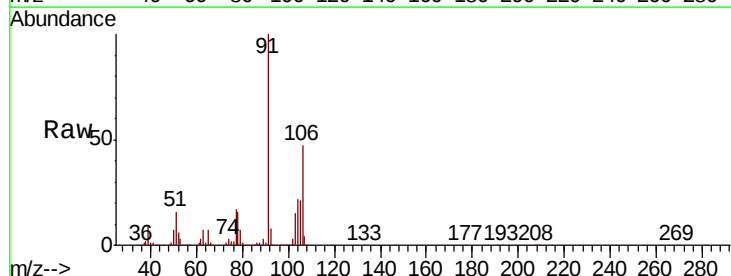
Acq: 05 May 2020 17:13

Tgt Ion:106 Resp: 290385

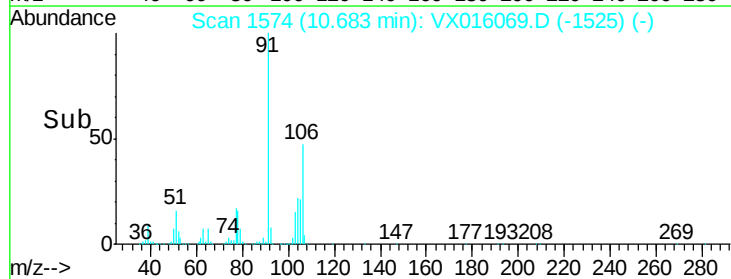
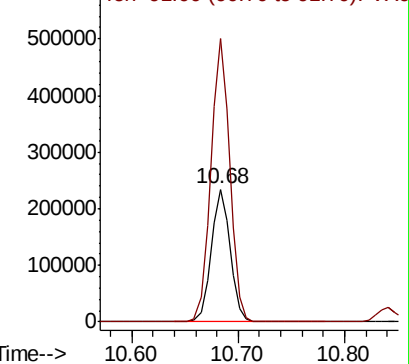
Ion Ratio Lower Upper

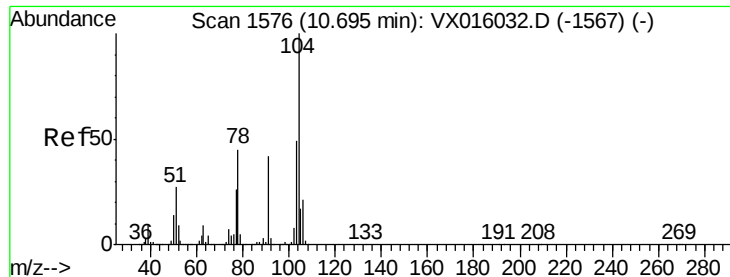
106 100

91 214.1 107.5 322.6



Abundance Ion 106.00 (105.70 to 106.70): V

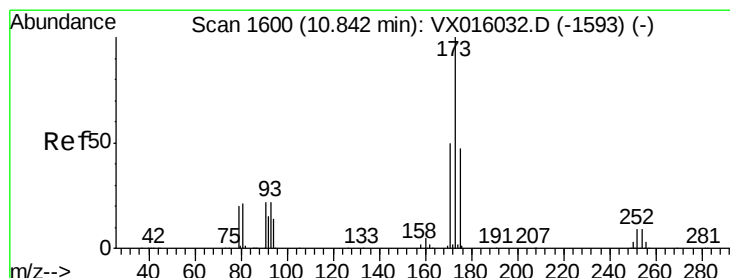
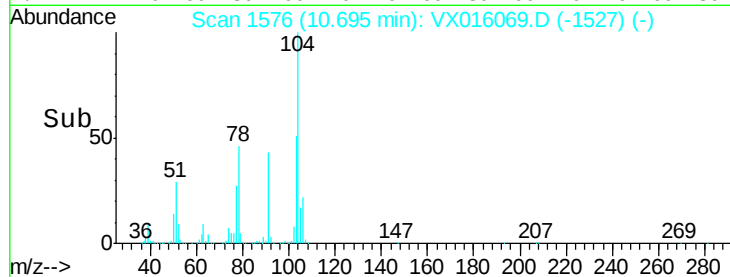
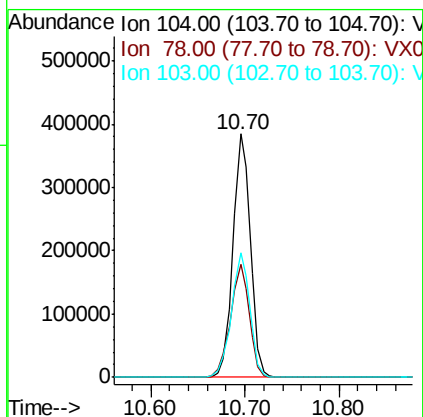
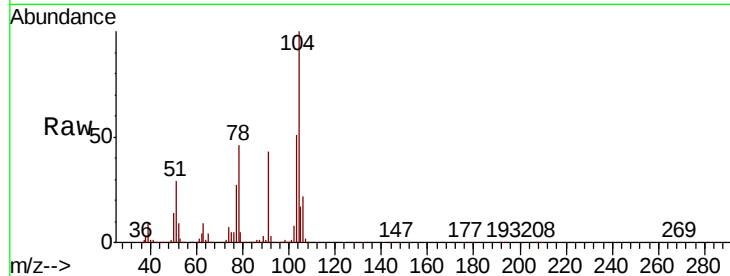




#70
Stvrene
Concen: 47.651 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

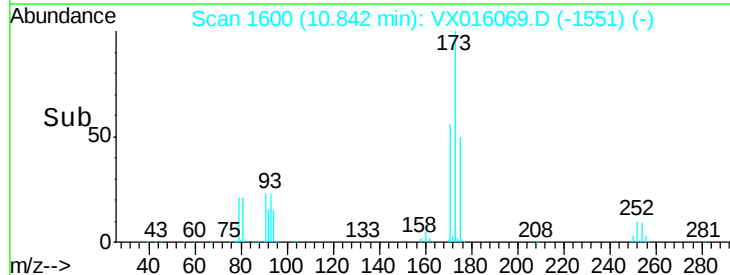
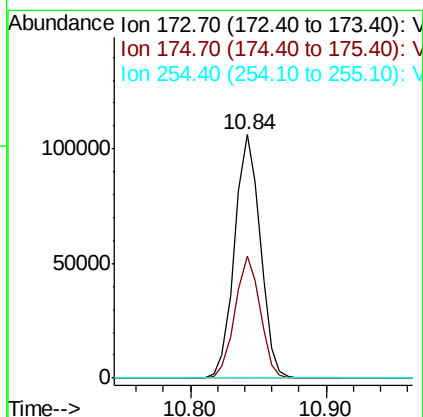
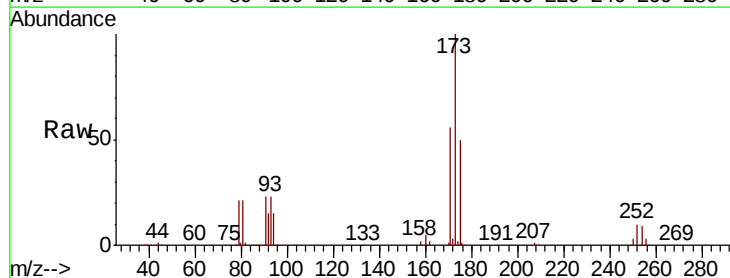
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

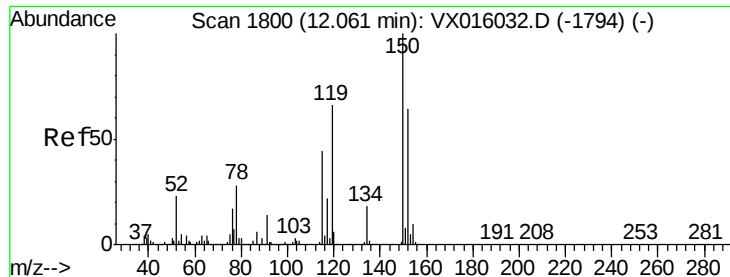
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.2	60.2
103	54.3	43.0	64.6



#71
Bromoform
Concen: 48.935 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.0	72.0
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

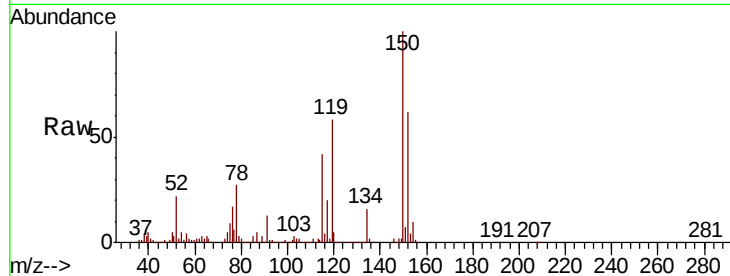
Tot Ion:152 Resp: 229751

Ion Ratio Lower Upper

152 100

115 80.9 41.3 124.1

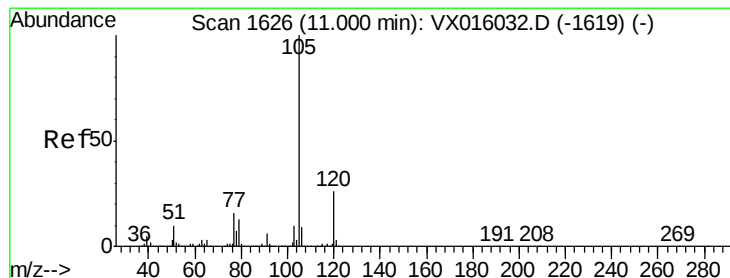
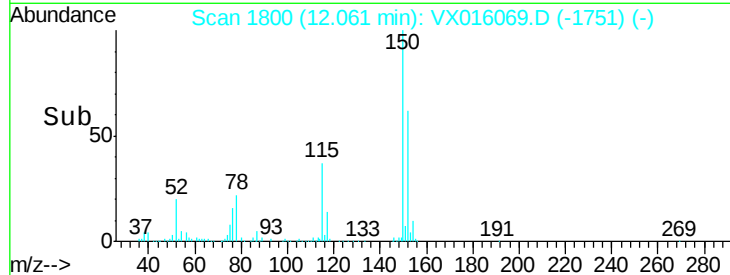
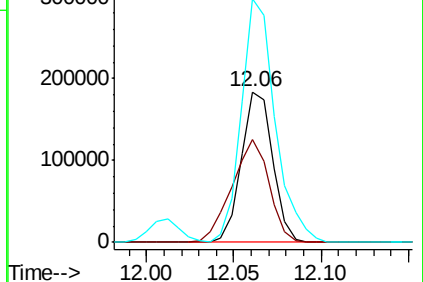
150 173.9 0.0 352.2



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: 46.235 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016069.D

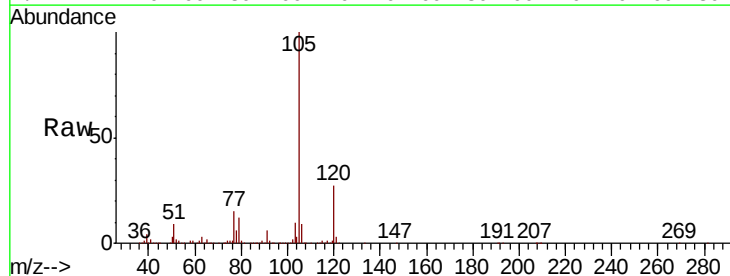
Acq: 05 May 2020 17:13

Tgt Ion:105 Resp: 772621

Ion Ratio Lower Upper

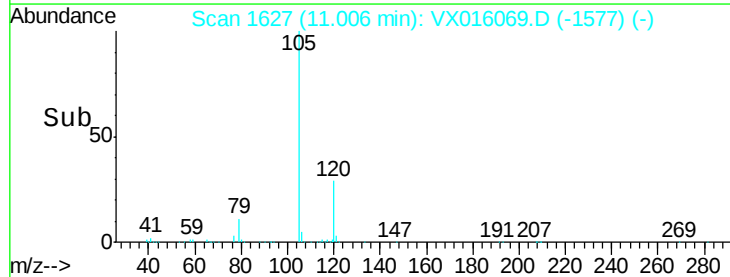
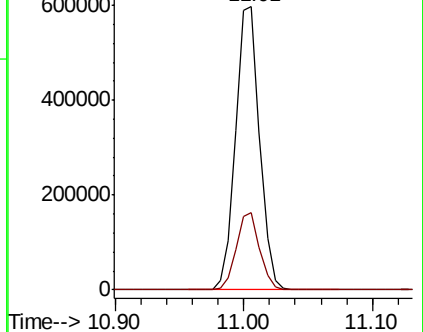
105 100

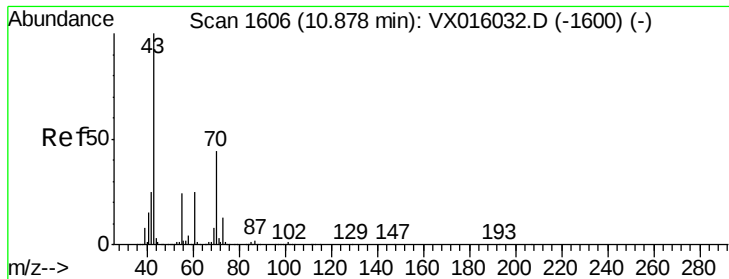
120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.381 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 43 Resp: 330342

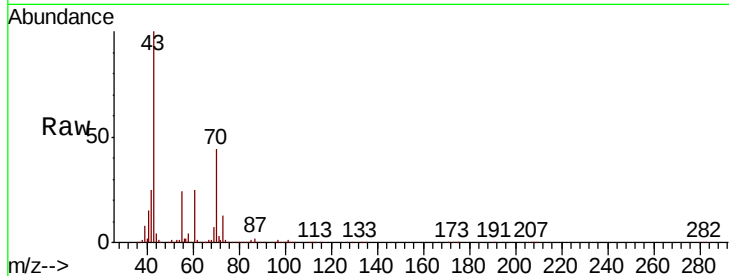
Ion Ratio Lower Upper

43 100

70 45.2 36.5 54.7

55 24.7 19.7 29.5

61 25.8 20.9 31.3

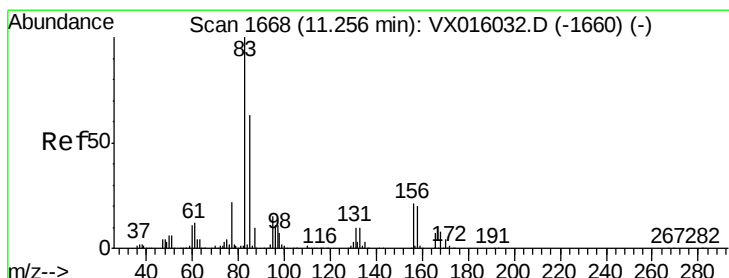
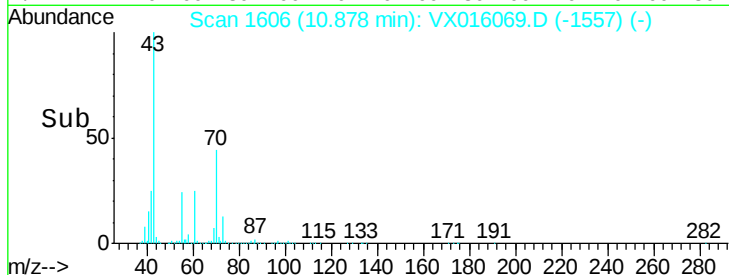
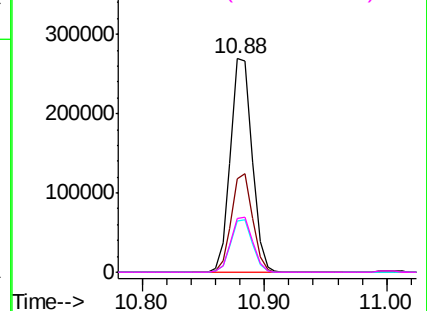


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.544 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

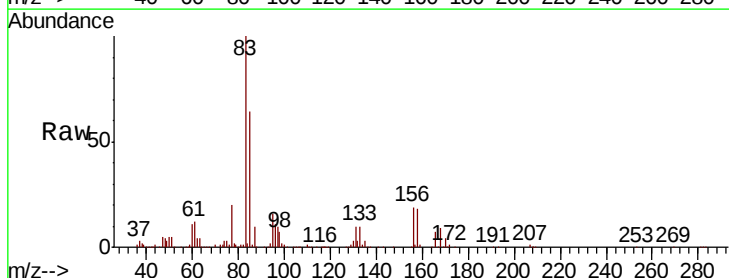
Tgt Ion: 83 Resp: 166048

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

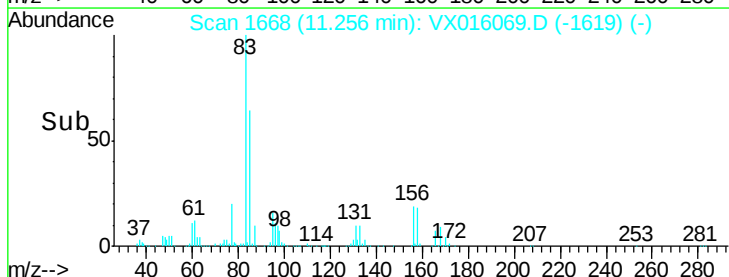
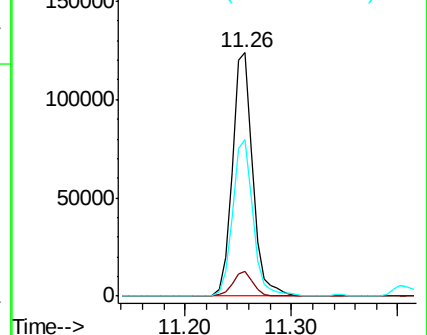
85 64.6 32.0 96.0

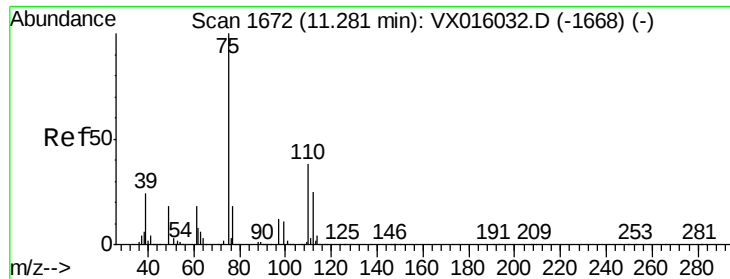


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 62.122 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

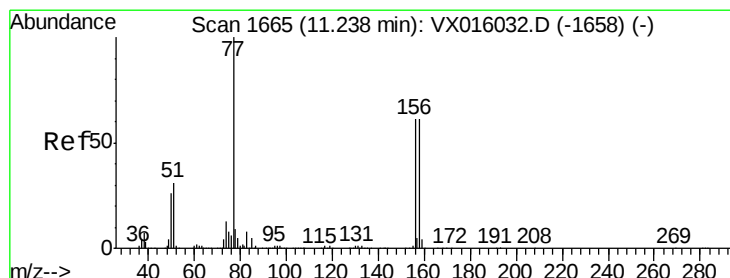
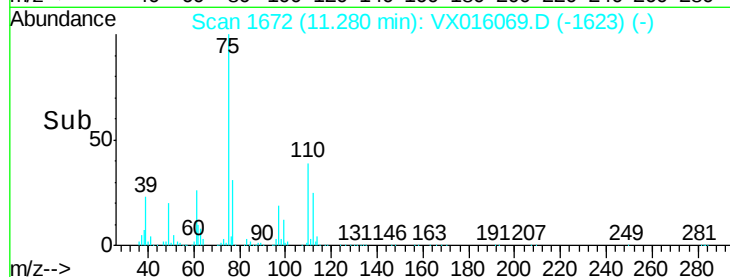
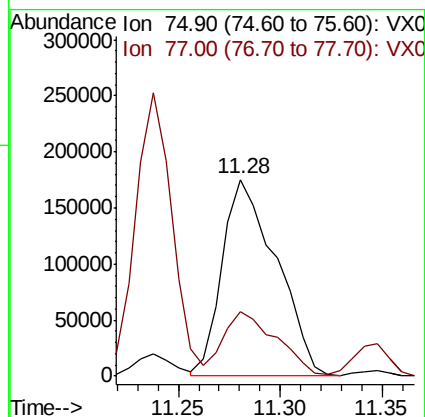
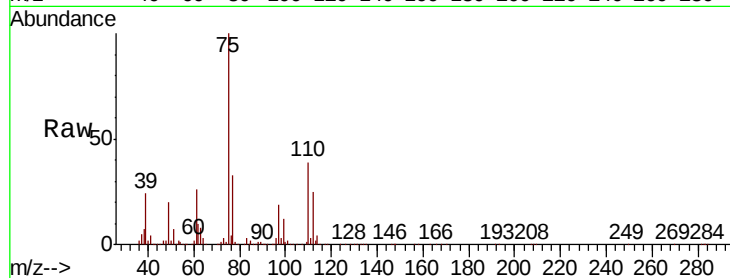
SA-PZ148-20200428MS

Tot Ion: 75 Resp: 323878

Ion Ratio Lower Upper

75 100

77 32.0 21.2 63.6



#77

Bromobenzene

Concen: 45.899 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

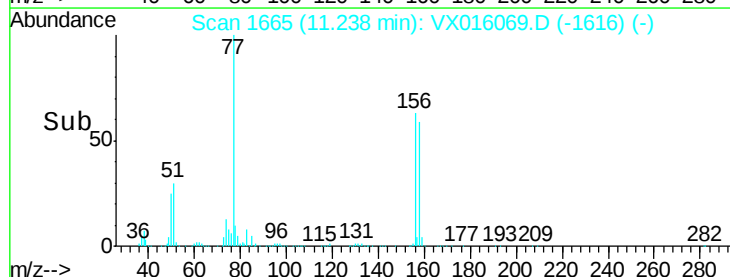
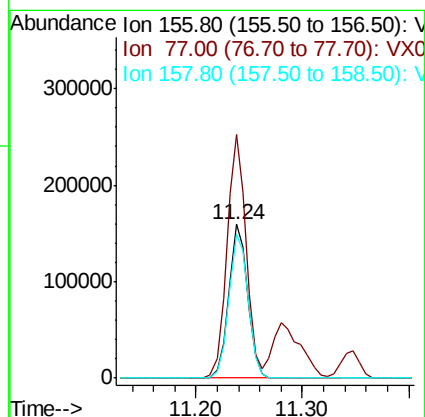
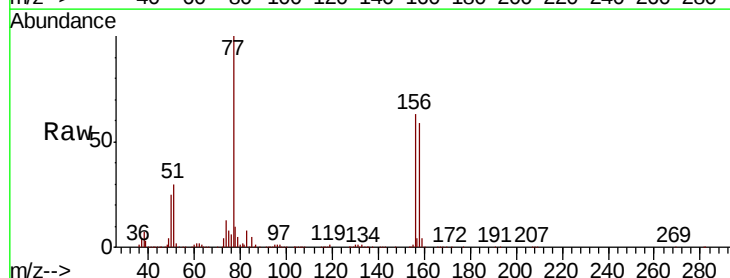
Tgt Ion: 156 Resp: 197975

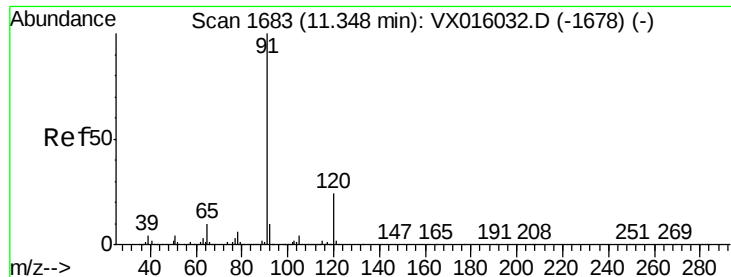
Ion Ratio Lower Upper

156 100

77 159.2 80.1 240.3

158 95.8 49.4 148.2





#78

n-propylbenzene

Concen: 45.726 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

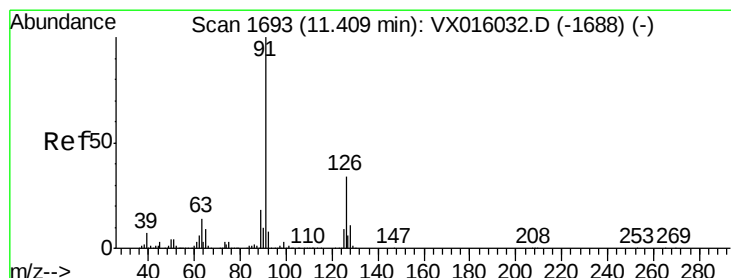
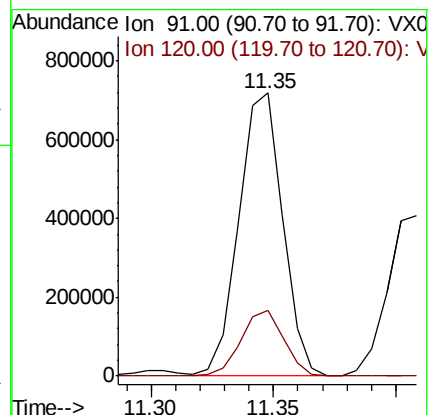
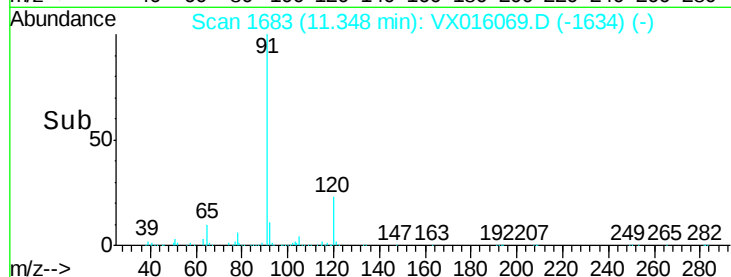
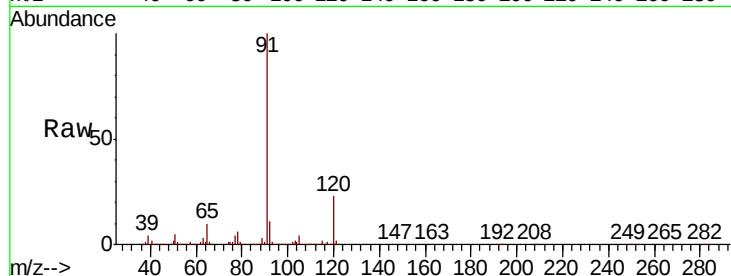
SA-PZ148-20200428MS

Tot Ion: 91 Resp: 888925

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5



#79

2-Chlorotoluene

Concen: 45.837 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016069.D

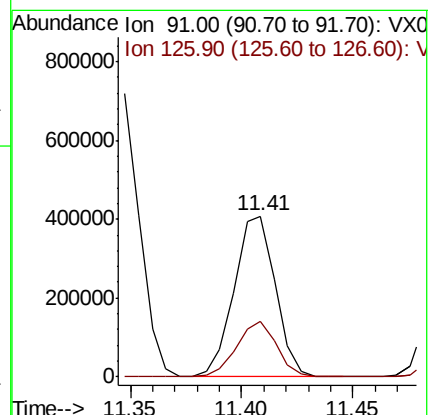
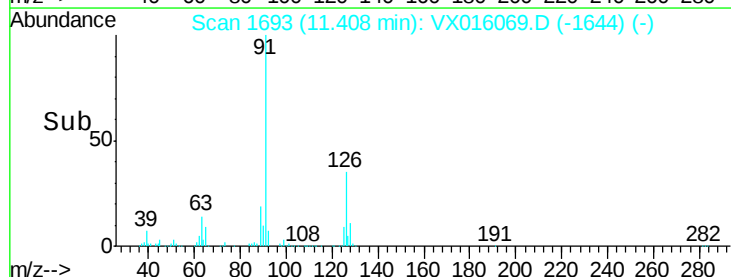
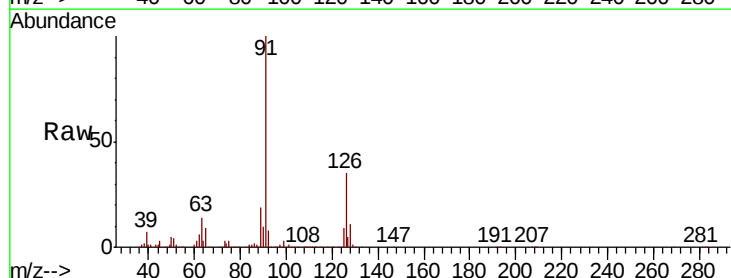
Acq: 05 May 2020 17:13

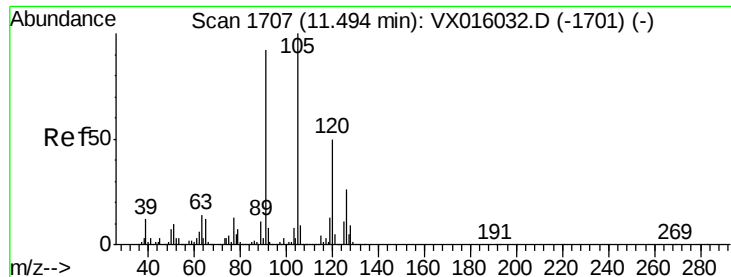
Tgt Ion: 91 Resp: 525988

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6





#80

1,3,5-Trimethylbenzene

Concen: 46.392 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

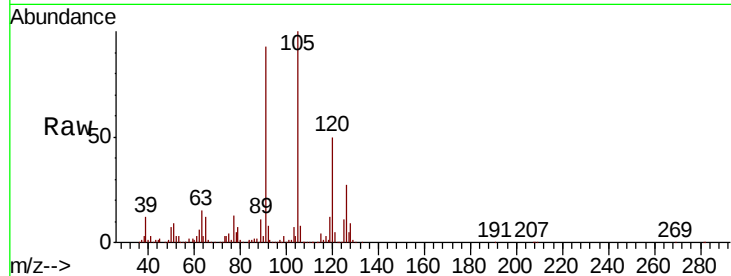
SA-PZ148-20200428MS

Tot Ion:105 Resp: 654565

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

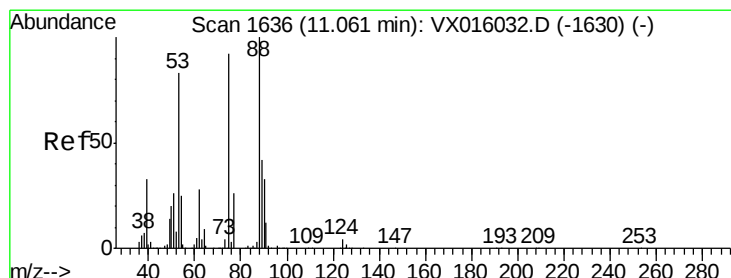
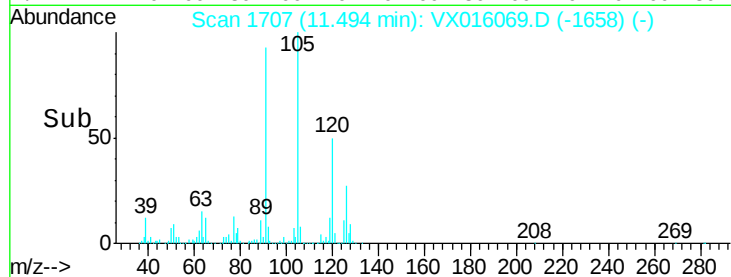
0

11.49

11.50

11.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 44.816 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

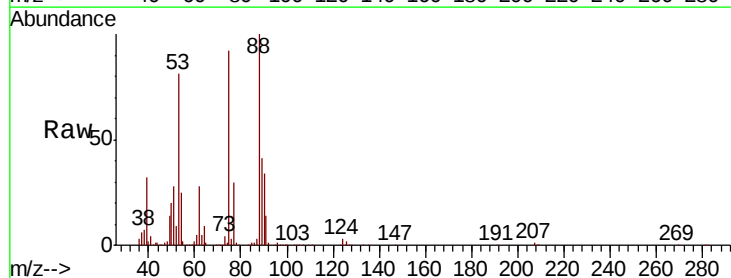
Tgt Ion: 75 Resp: 98046

Ion Ratio Lower Upper

75 100

53 90.9 73.1 109.7

89 45.3 36.7 55.1



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

120000

100000

80000

60000

40000

20000

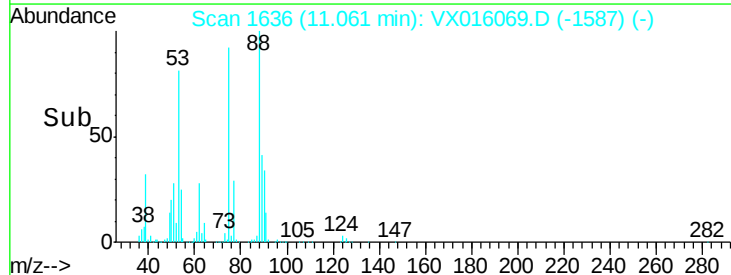
0

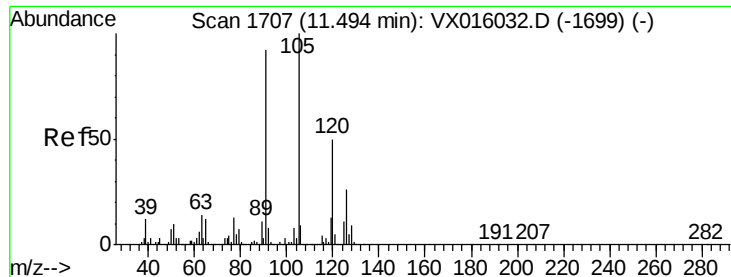
11.06

11.05

11.10

Time-->

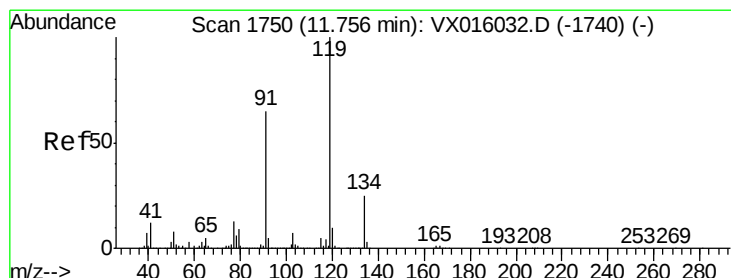
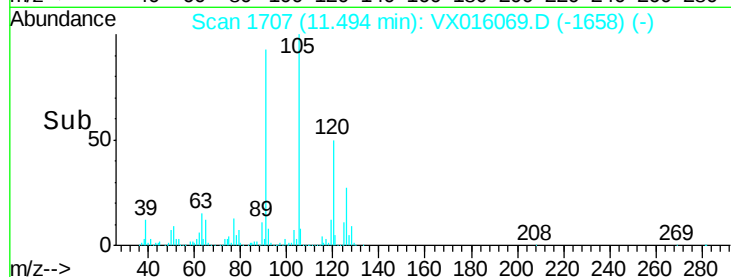
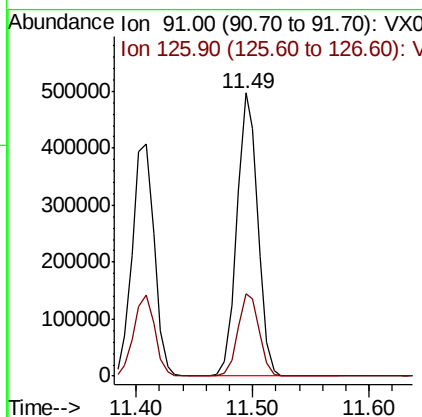
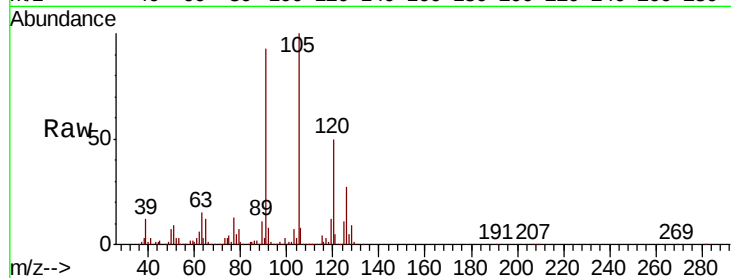




#82
4-Chlorotoluene
Concen: 45.709 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

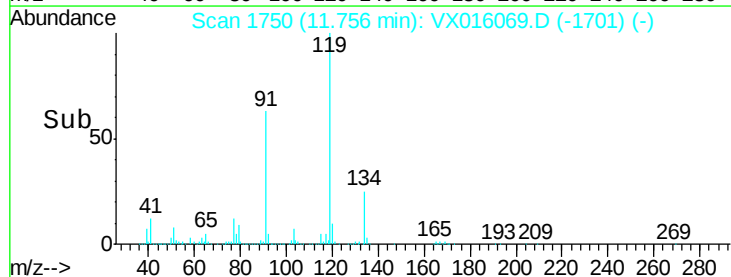
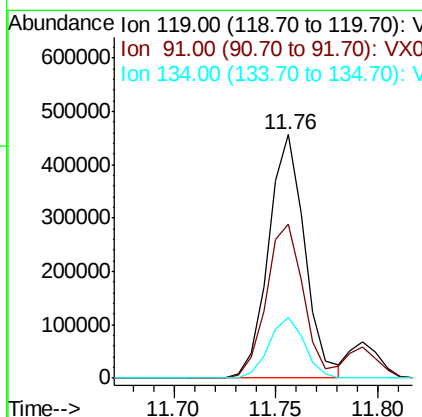
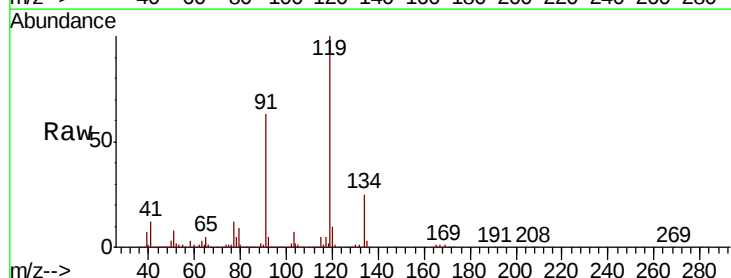
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

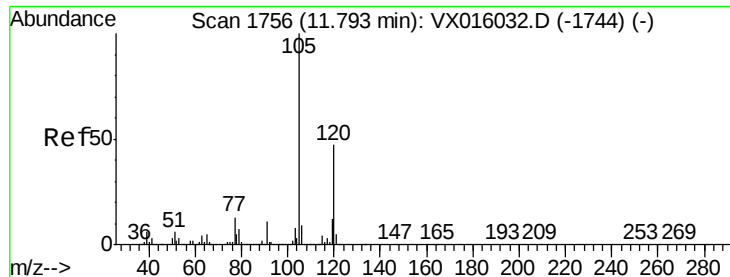
Tot Ion: 91 Resp: 619386
Ion Ratio Lower Upper
91 100
126 29.6 14.8 44.3



#83
tert-Butylbenzene
Concen: 46.319 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 119 Resp: 563212
Ion Ratio Lower Upper
119 100
91 64.5 32.8 98.4
134 24.7 12.4 37.0





#84

1,2,4-Trimethylbenzene

Concen: 46.443 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

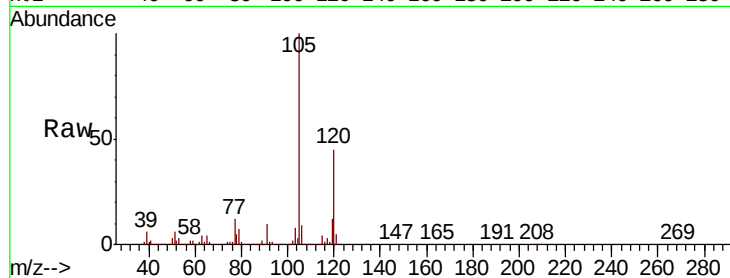
SA-PZ148-20200428MS

Tot Ion:105 Resp: 662484

Ion Ratio Lower Upper

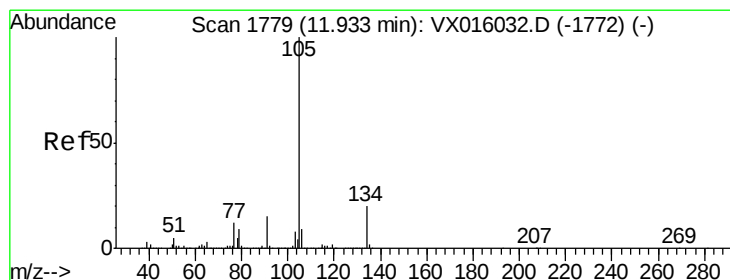
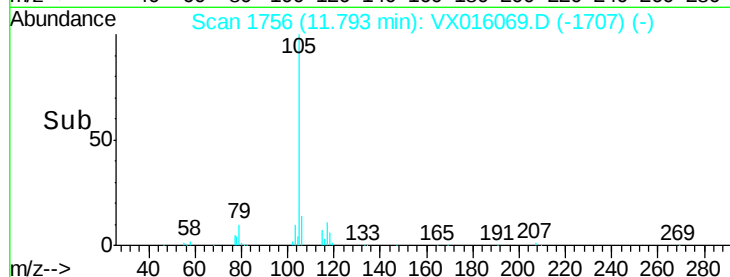
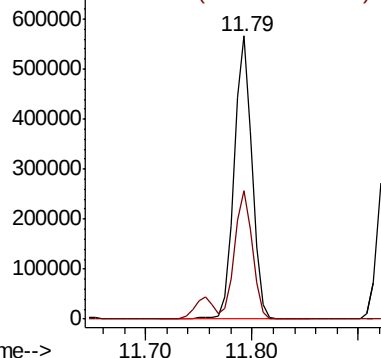
105 100

120 45.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 45.913 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016069.D

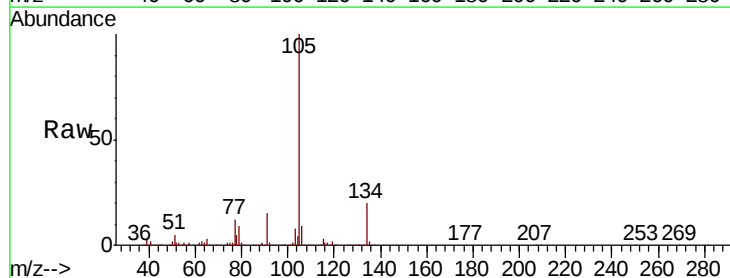
Acq: 05 May 2020 17:13

Tgt Ion:105 Resp: 753779

Ion Ratio Lower Upper

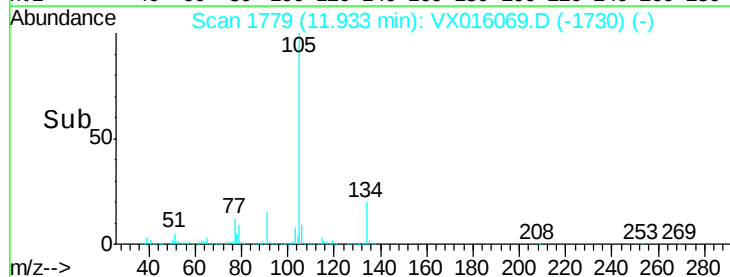
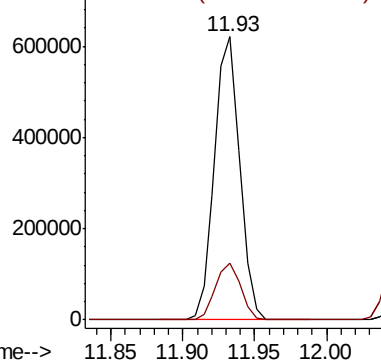
105 100

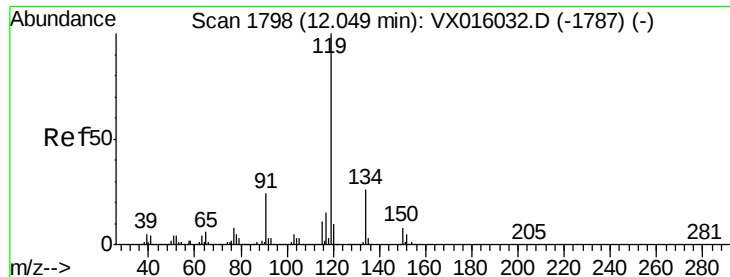
134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

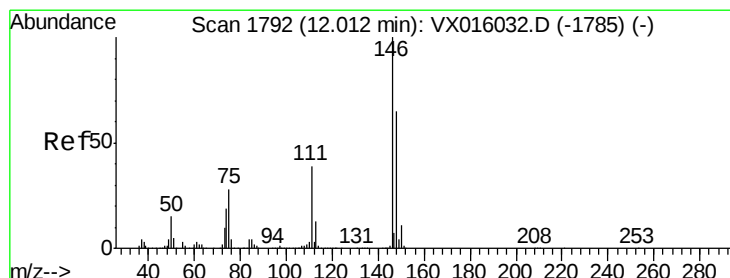
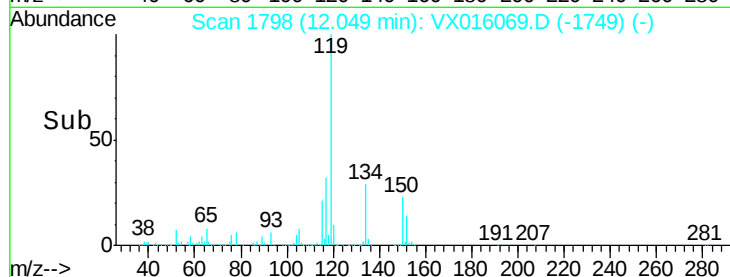
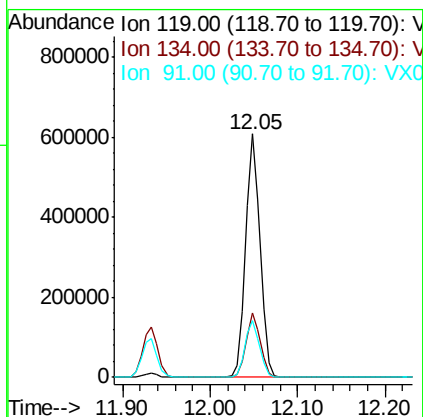
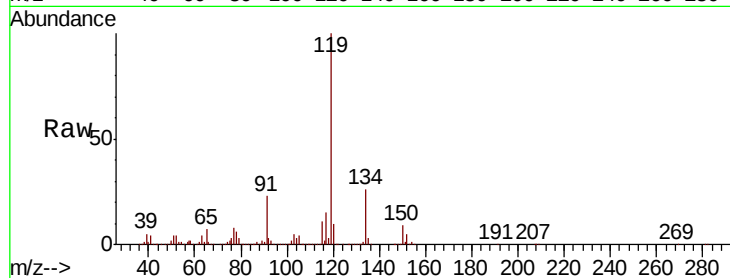




#86
 p-Isopropyltoluene
 Concen: 45.738 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

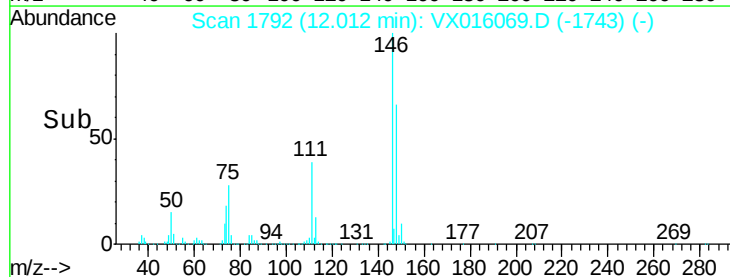
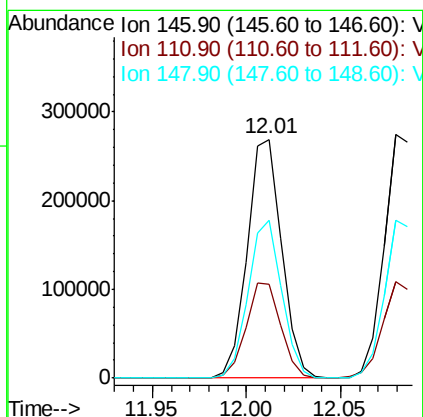
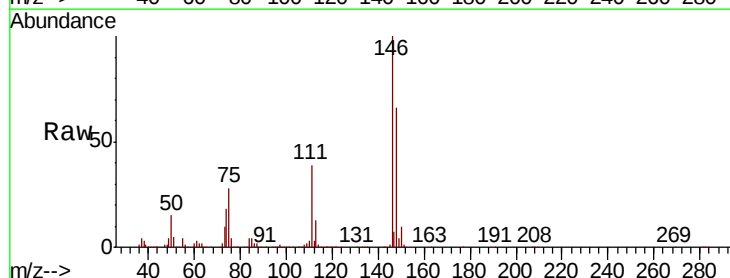
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

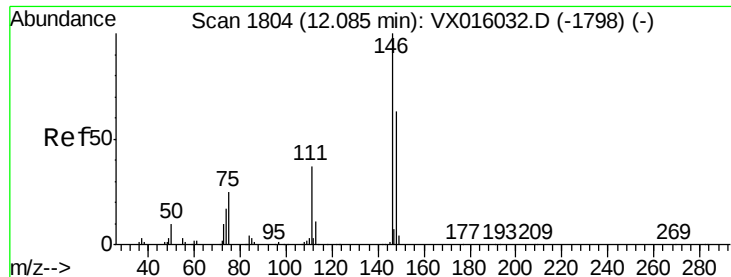
Tot Ion:119	Resp:	697169
Ion Ratio	Lower	Upper
119	100	
134	25.9	13.1 39.3
91	23.5	11.8 35.4



#87
 1,3-Dichlorobenzene
 Concen: 44.103 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion:146	Resp:	341563
Ion Ratio	Lower	Upper
146	100	
111	40.3	20.2 60.6
148	64.7	32.1 96.3

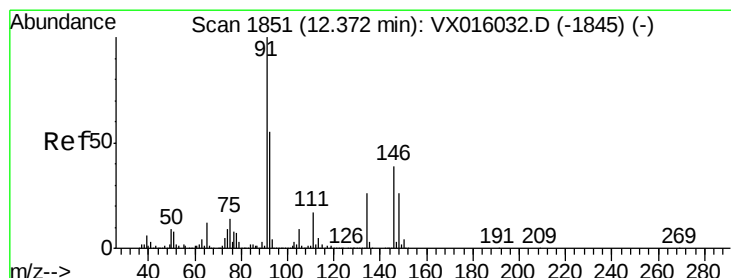
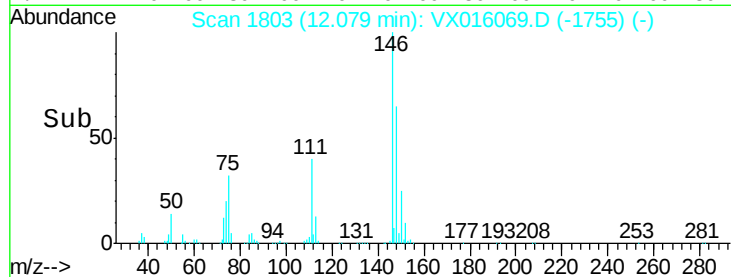
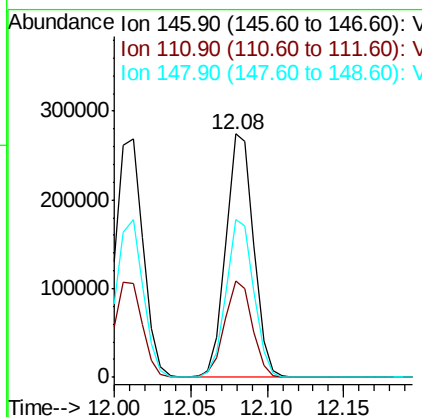
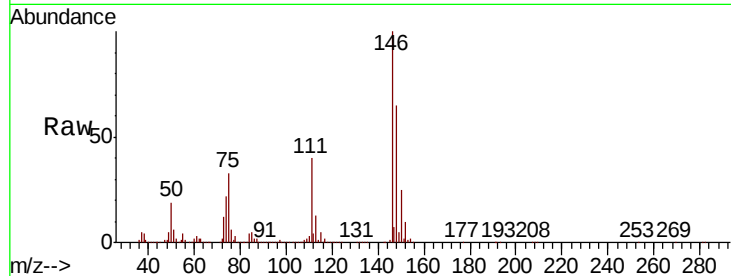




#88
 1,4-Dichlorobenzene
 Concen: 43.829 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

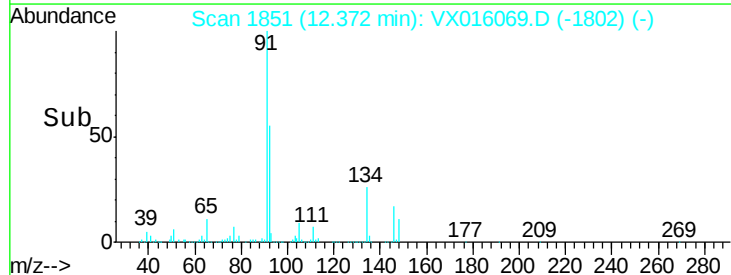
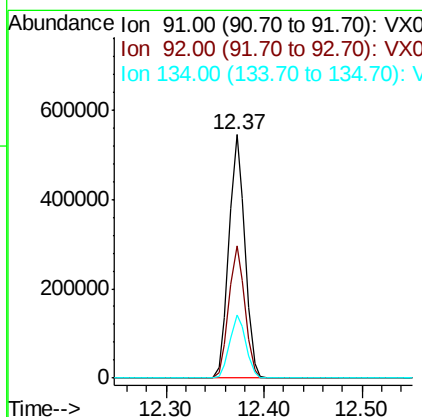
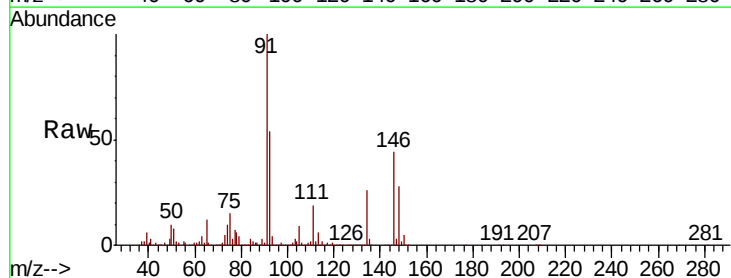
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

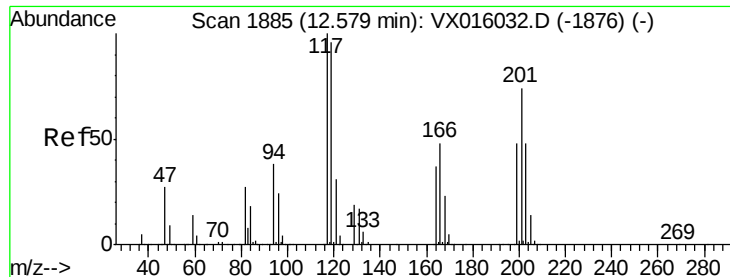
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.7	31.8	95.3



#89
 n-Butylbenzene
 Concen: 44.234 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.7
134	26.4	13.4	40.1





#90

Hexachloroethane

Concen: 47.470 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

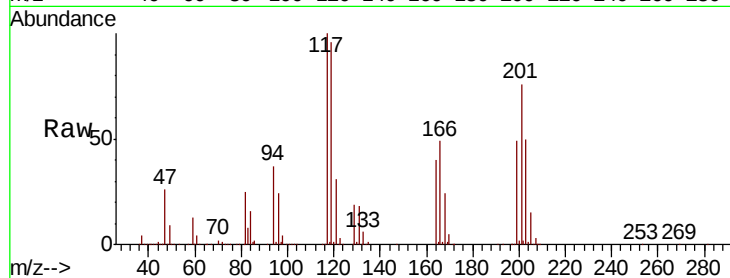
SA-PZ148-20200428MS

Tot Ion:117 Resp: 124266

Ion Ratio Lower Upper

117 100

201 82.1 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.58

100000

80000

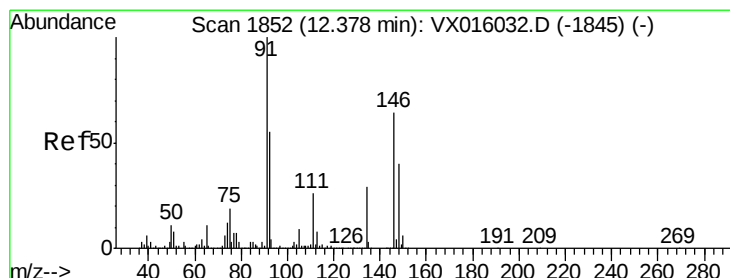
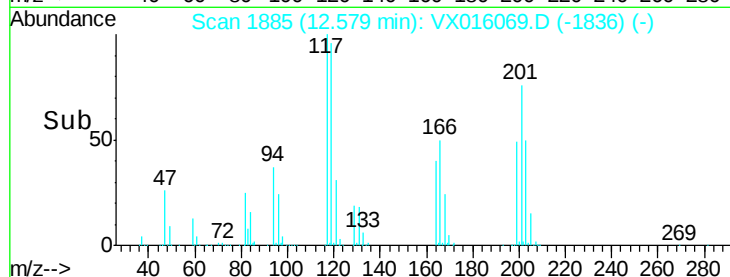
60000

40000

20000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 45.380 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

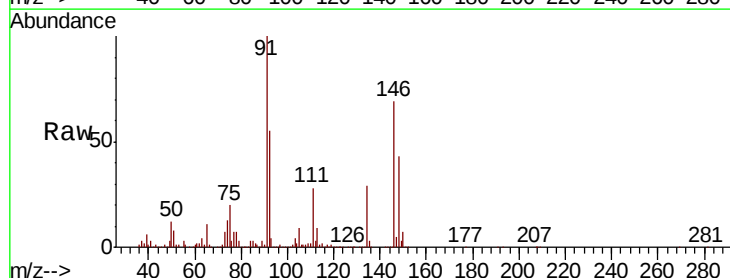
Tgt Ion:146 Resp: 338415

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.1

148 63.1 32.4 97.0



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

12.38

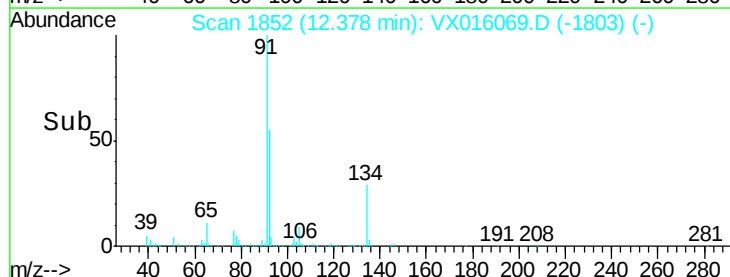
300000

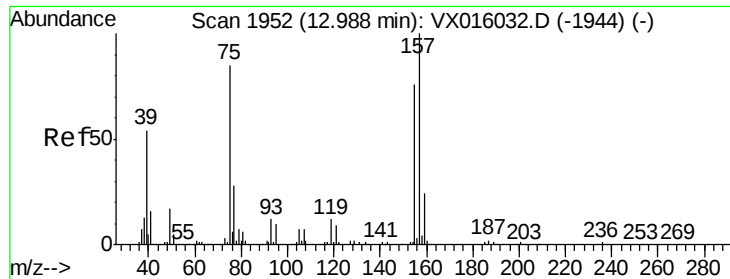
200000

100000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 44.311 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

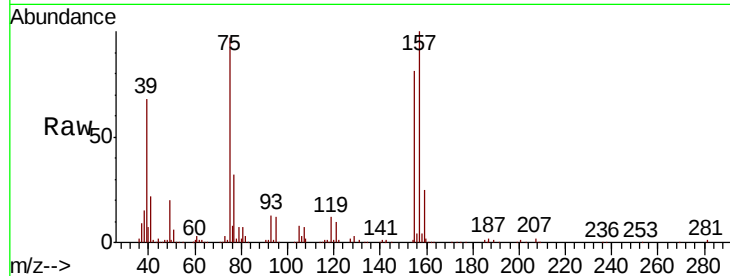
Tot Ion: 75 Resp: 60886

Ion Ratio Lower Upper

75 100

155 86.6 42.5 127.5

157 112.6 55.3 165.8



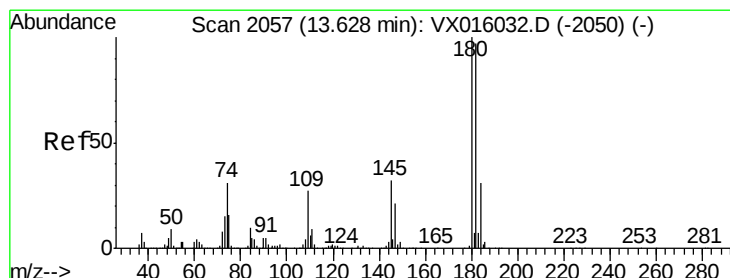
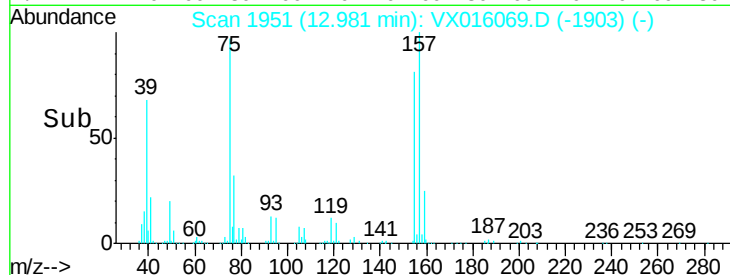
Abundance Ion 74.90 (74.60 to 75.60): VX016069.D (-1903) (-)

Ion 154.80 (154.50 to 155.50): VX016069.D (-1903) (-)

Ion 156.80 (156.50 to 157.50): VX016069.D (-1903) (-)

12.98

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 44.065 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

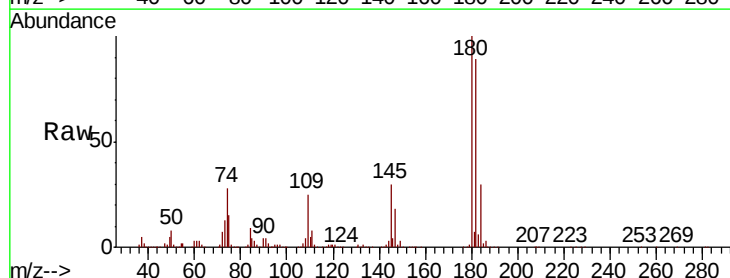
Tgt Ion: 180 Resp: 243288

Ion Ratio Lower Upper

180 100

182 94.2 48.7 146.1

145 31.1 15.7 47.1



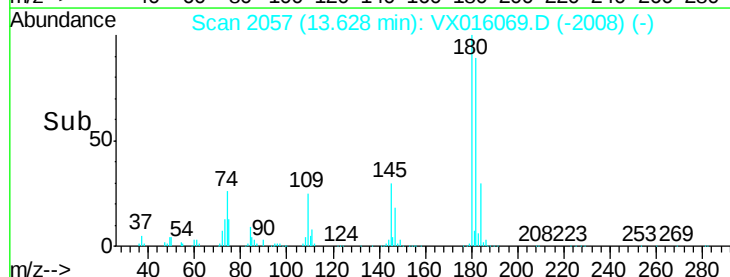
Abundance Ion 179.80 (179.50 to 180.50): VX016069.D (-2008) (-)

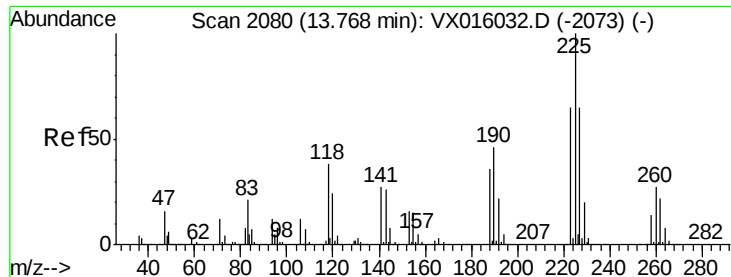
Ion 181.80 (181.50 to 182.50): VX016069.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX016069.D (-2008) (-)

13.63

Time-->





#94

Hexachlorobutadiene

Concen: 44.962 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

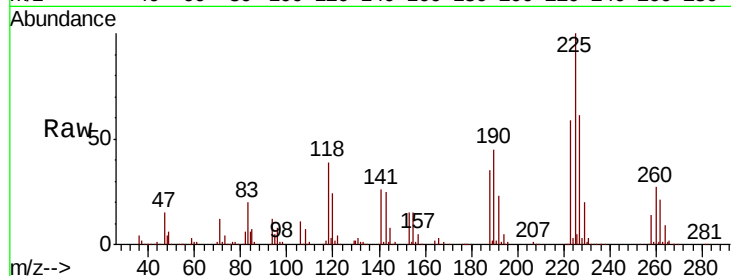
Tot Ion:225 Resp: 106766

Ion Ratio Lower Upper

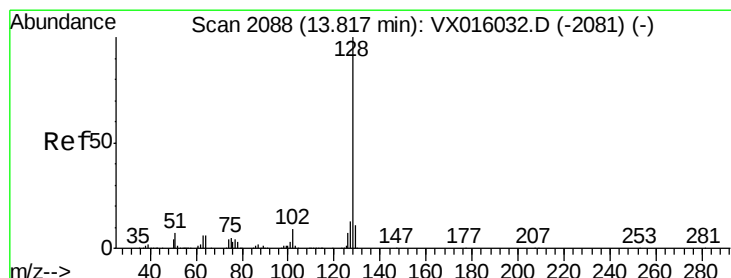
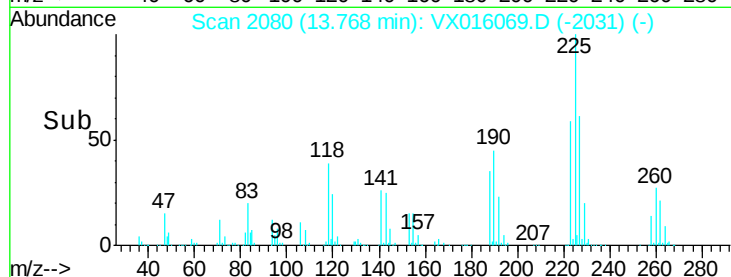
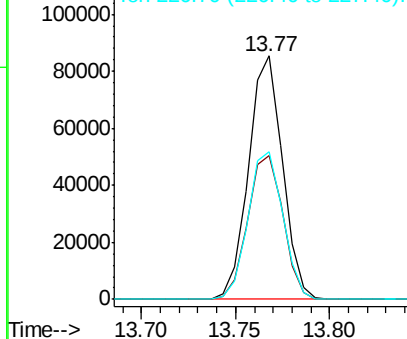
225 100

223 61.6 32.3 96.9

227 62.3 31.8 95.4



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: 45.227 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

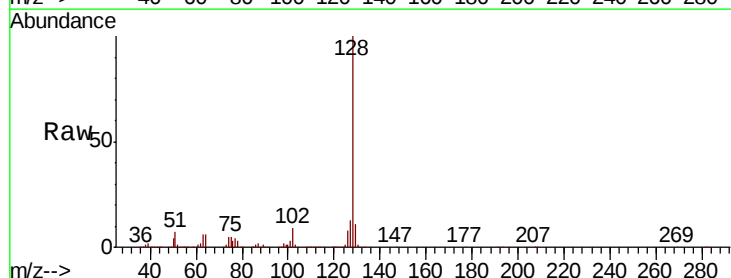
Tgt Ion:128 Resp: 808556

Ion Ratio Lower Upper

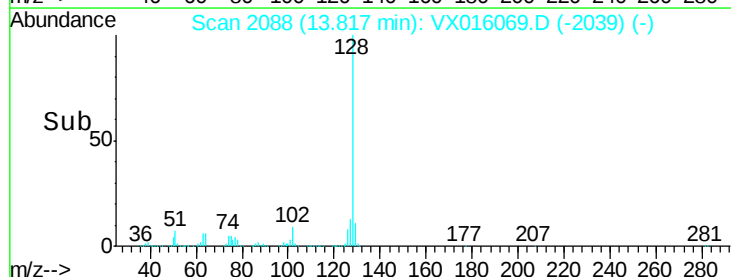
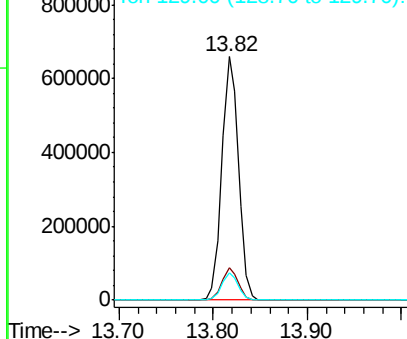
128 100

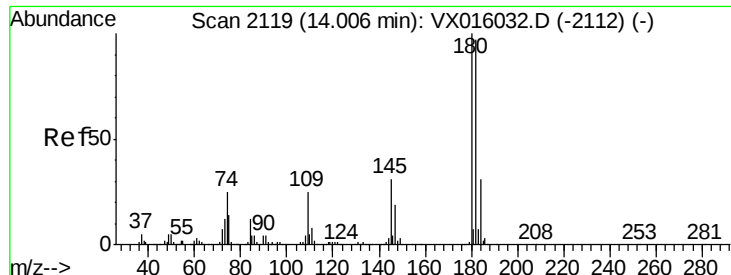
127 12.9 10.2 15.4

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

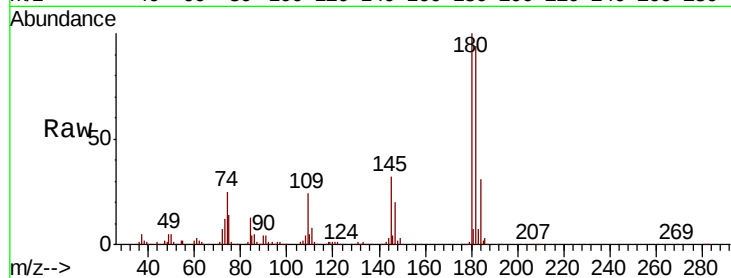




#96
 1,2,3-Trichlorobenzene
 Concen: 44.626 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.4	145.0
145	32.4	16.4	49.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

