

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008573.D
 Acq On : 01 Apr 2019 16:56
 Operator : JC/SP
 Sample : K2189-07MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

Quant Time: Apr 02 01:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127429	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	134921	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	5.49	113	101407	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.71	98	394115	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	147692	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	77709	36.944	ug/l 98
3) Chloromethane	1.32	50	118448	44.553	ug/l 99
4) Vinyl Chloride	1.40	62	120115	40.899	ug/l 99
5) Bromomethane	1.64	94	38939	26.156	ug/l 98
6) Chloroethane	1.71	64	90988	52.298	ug/l 98
7) Trichlorofluoromethane	1.92	101	138296	41.578	ug/l 97
8) Diethyl Ether	2.18	74	69693	44.274	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	83159	41.369	ug/l 98
10) Methyl Iodide	2.51	142	45933	25.674	ug/l 99
11) Tert butyl alcohol	3.06	59	169693	283.116	ug/l 99
12) 1,1-Dichloroethene	2.37	96	92580	44.595	ug/l 95
13) Acrolein	2.29	56	91318	209.800	ug/l 100
14) Allyl chloride	2.73	41	220874	48.292	ug/l 98
15) Acrylonitrile	3.14	53	397603	252.981	ug/l 100
16) Acetone	2.45	43	339983	240.452	ug/l 99
17) Carbon Disulfide	2.57	76	262896	44.092	ug/l 100
18) Methyl Acetate	2.77	43	172865	50.904	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	371639	49.677	ug/l 99
20) Methylene Chloride	2.85	84	116422	50.456	ug/l 99
21) trans-1,2-Dichloroethene	3.16	96	100269	48.463	ug/l 95
22) Diisopropyl ether	3.85	45	442497	49.135	ug/l 99
23) Vinyl Acetate	3.81	43	1934229	246.178	ug/l 100
24) 1,1-Dichloroethane	3.70	63	218678	48.097	ug/l 99
25) 2-Butanone	4.67	43	587430	259.147	ug/l 98
26) 2,2-Dichloropropane	4.58	77	145758	48.200	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	120995	47.662	ug/l 100
28) Bromochloromethane	5.01	49	113762	50.646	ug/l 99
29) Tetrahydrofuran	5.13	42	385632	258.125	ug/l 98
30) Chloroform	5.21	83	198033	48.263	ug/l 100
31) Cyclohexane	5.58	56	185591	42.800	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	158812	48.422	ug/l 100
36) 1,1-Dichloropropene	5.80	75	146819	44.879	ug/l 100
37) Ethyl Acetate	4.83	43	214806	50.685	ug/l 99
38) Carbon Tetrachloride	5.78	117	129790	47.540	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159019	40.674	ug/l	98
40) Benzene	6.14	78	466166	47.598	ug/l	100
41) Methacrylonitrile	5.04	41	124427	52.243	ug/l	99
42) 1,2-Dichloroethane	6.19	62	167455	46.699	ug/l	100
43) Isopropyl Acetate	6.45	43	341553	50.385	ug/l	100
44) Trichloroethene	7.21	130	105382	45.827	ug/l	97
45) 1,2-Dichloropropane	7.51	63	135206	48.569	ug/l	100
46) Dibromomethane	7.66	93	77278	47.538	ug/l	99
47) Bromodichloromethane	7.90	83	154908	49.786	ug/l	97
48) Methyl methacrylate	7.77	41	174870	51.556	ug/l	98
49) 1,4-Dioxane	7.74	88	67731	1004.293	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1170602	265.871	ug/l	100
52) Toluene	8.78	92	278909	47.628	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	175783	51.579	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	193783	50.004	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	117106	49.126	ug/l	98
56) Ethyl methacrylate	9.18	69	221292	51.428	ug/l	100
57) 1,3-Dichloropropane	9.37	76	207680	48.592	ug/l	99
59) 2-Hexanone	9.49	43	892737	261.676	ug/l	100
60) Dibromochloromethane	9.58	129	114693	50.592	ug/l	99
61) 1,2-Dibromoethane	9.67	107	118790	48.830	ug/l	99
64) Tetrachloroethene	9.34	164	85990	45.694	ug/l	97
65) Chlorobenzene	10.13	112	285124	47.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	102931	49.353	ug/l	98
67) Ethyl Benzene	10.25	91	533873	46.795	ug/l	99
68) m/p-Xylenes	10.36	106	383895	92.494	ug/l	100
69) o-Xylene	10.69	106	189236	46.983	ug/l	100
70) Stvrene	10.71	104	329041	47.294	ug/l	100
71) Bromoform	10.85	173	84657	51.399	ug/l #	100
73) Isopropylbenzene	11.02	105	499871	48.218	ug/l	100
74) N-amyl acetate	10.90	43	305220	50.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	196306	48.804	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	226145	59.695	ug/l	82
77) Bromobenzene	11.26	156	122188	48.563	ug/l	99
78) n-propylbenzene	11.36	91	584993	48.170	ug/l	100
79) 2-Chlorotoluene	11.42	91	348614	47.196	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	420062	47.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63111	53.357	ug/l	100
82) 4-Chlorotoluene	11.51	91	404706	47.499	ug/l	100
83) tert-Butylbenzene	11.77	119	407974	48.247	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	427368	48.209	ug/l	99
85) sec-Butylbenzene	11.94	105	483402	48.005	ug/l	100
86) p-Isopropyltoluene	12.06	119	432233	48.645	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	212333	47.233	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	212612	46.862	ug/l	99
89) n-Butylbenzene	12.38	91	404735	48.084	ug/l	99
90) Hexachloroethane	12.60	117	73645	49.750	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	214163	47.572	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44032	50.205	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	145282	47.933	ug/l	99

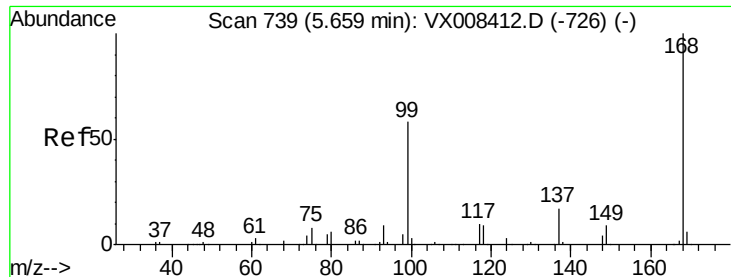
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	68945	47.906	ug/l	100
95) Naphthalene	13.83	128	513576	49.424	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145860	47.891	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

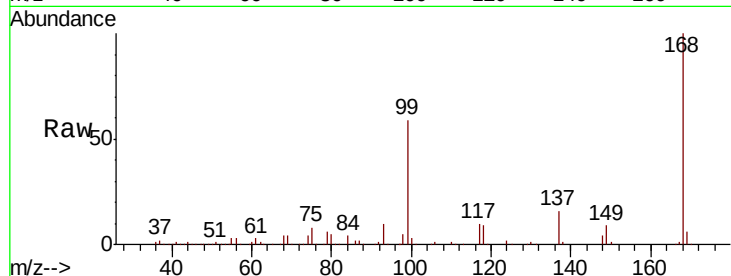
BP-VPB201R-GW-818-820MS

Tot Ion:168 Resp: 178446

Ion Ratio Lower Upper

168 100

99 58.8 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

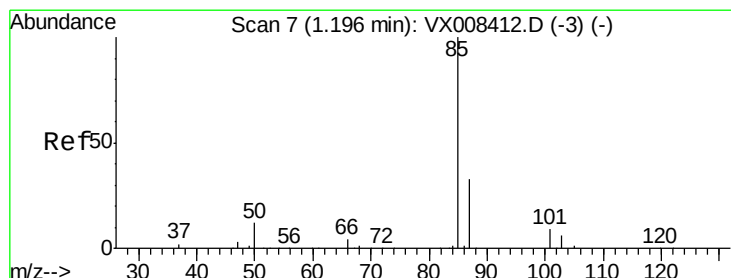
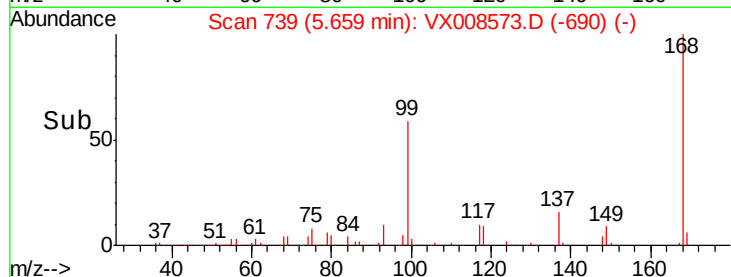
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 36.944 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008573.D

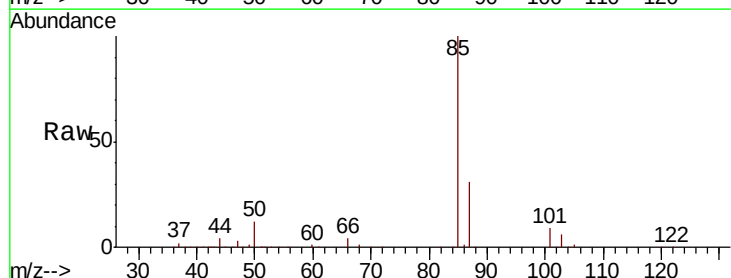
Acq: 01 Apr 2019 16:56

Tgt Ion: 85 Resp: 77709

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

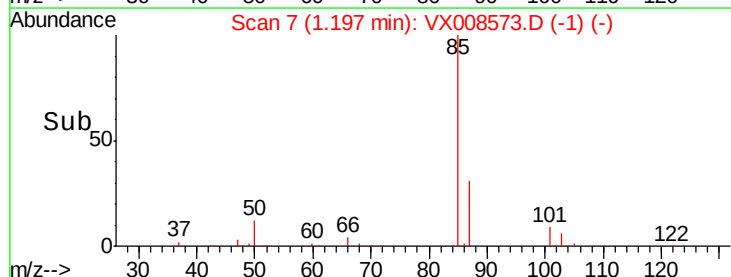
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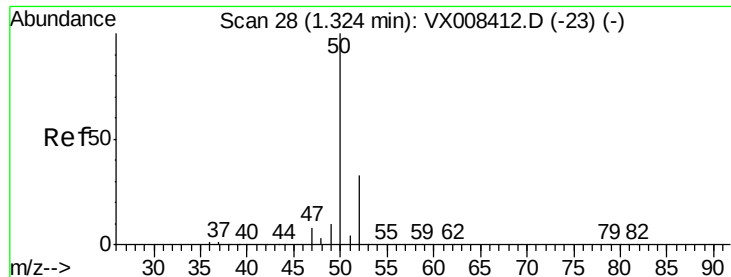
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 44.553 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

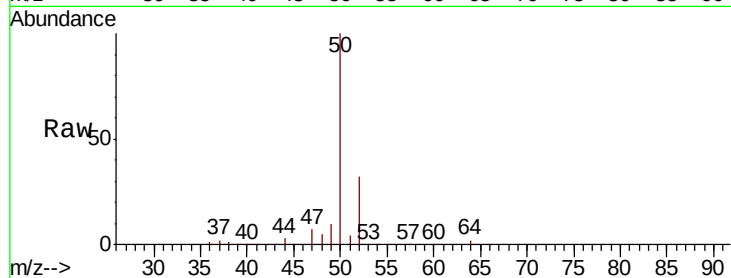
BP-VPB201R-GW-818-820MS

Tot Ion: 50 Resp: 118448

Ion Ratio Lower Upper

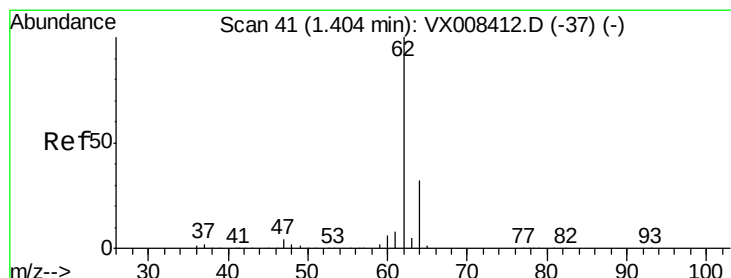
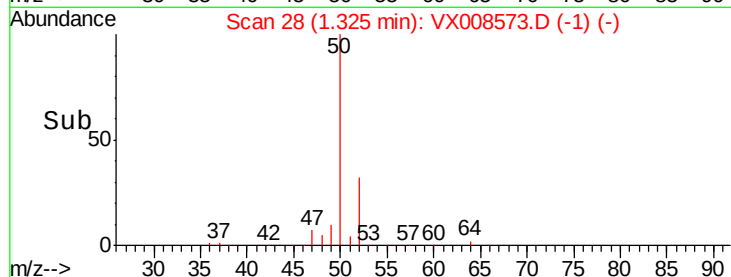
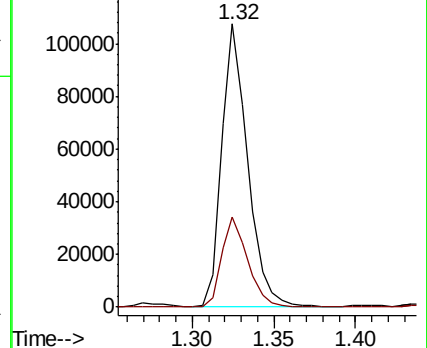
50 100

52 32.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 40.899 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008573.D

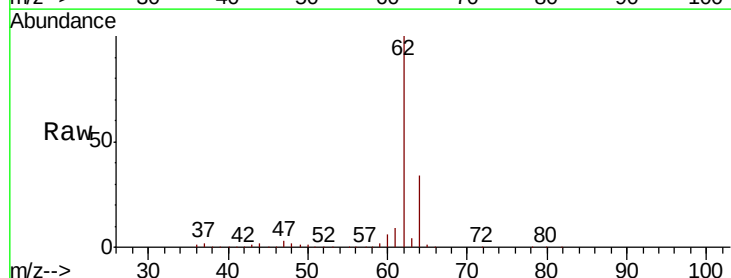
Acq: 01 Apr 2019 16:56

Tgt Ion: 62 Resp: 120115

Ion Ratio Lower Upper

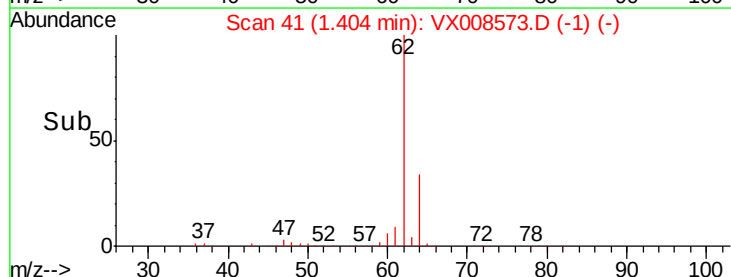
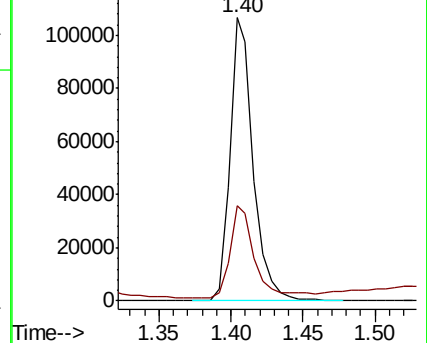
62 100

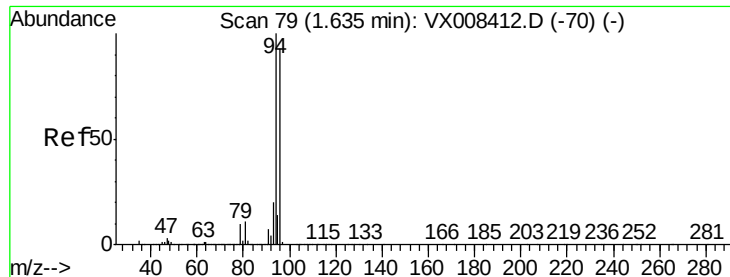
64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.156 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

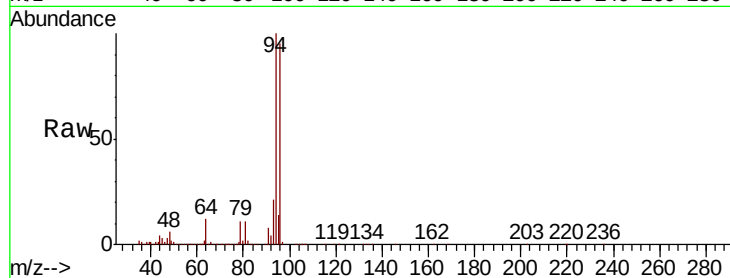
BP-VPB201R-GW-818-820MS

Tot Ion: 94 Resp: 38939

Ion Ratio Lower Upper

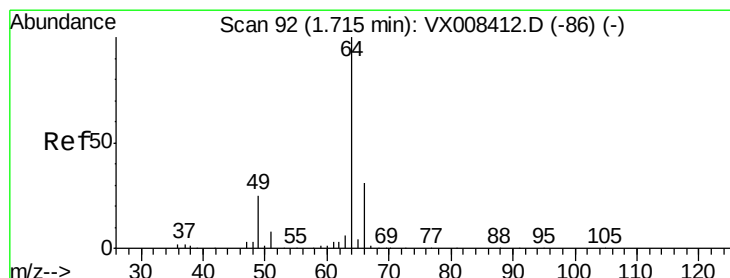
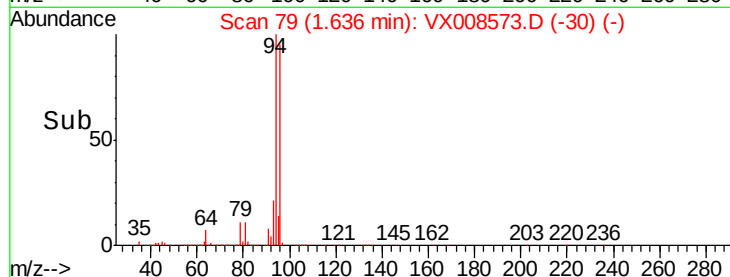
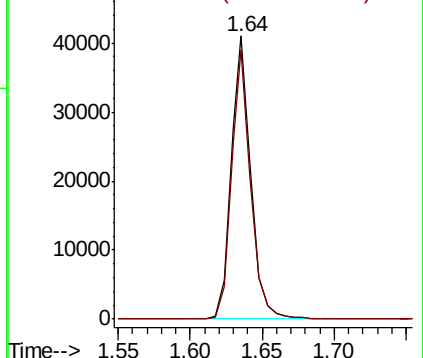
94 100

96 95.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.298 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008573.D

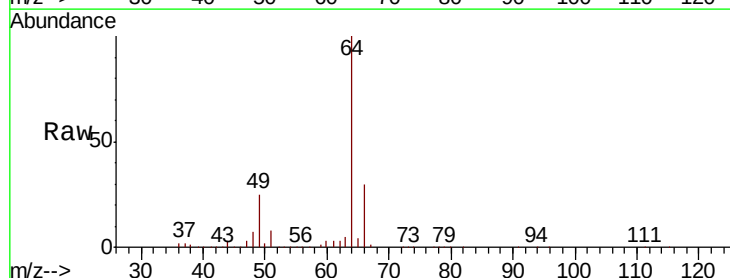
Acq: 01 Apr 2019 16:56

Tgt Ion: 64 Resp: 90988

Ion Ratio Lower Upper

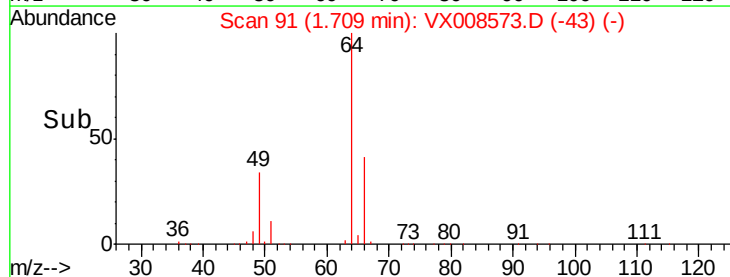
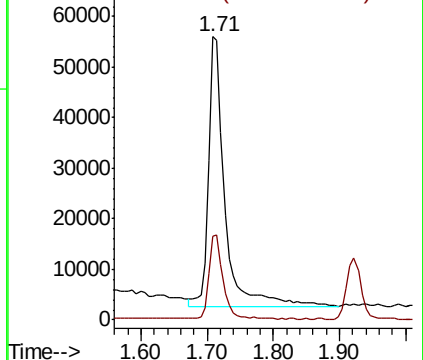
64 100

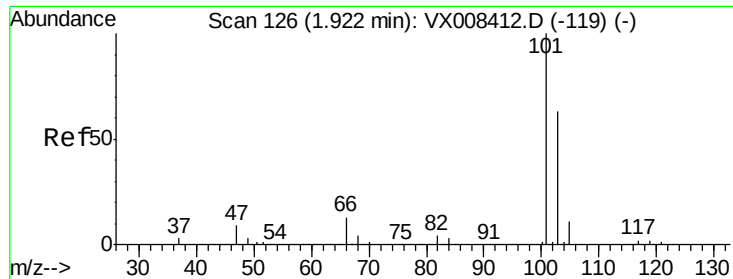
66 30.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



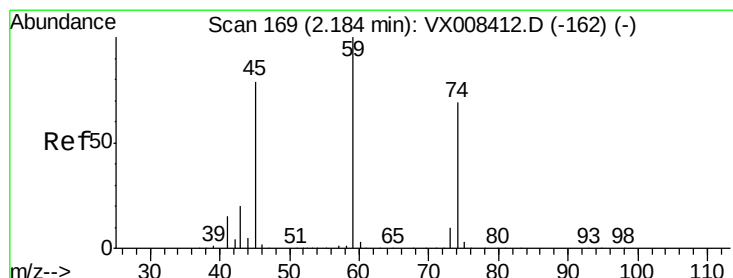
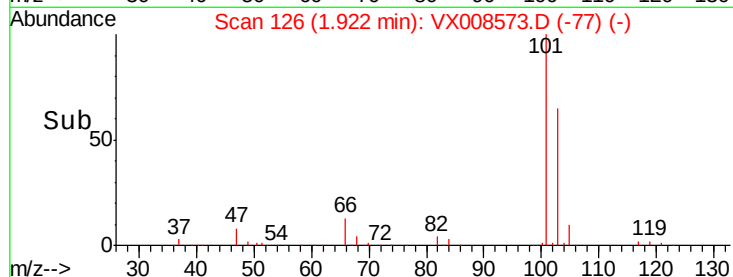
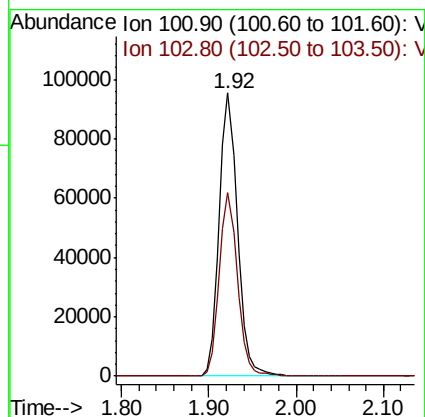
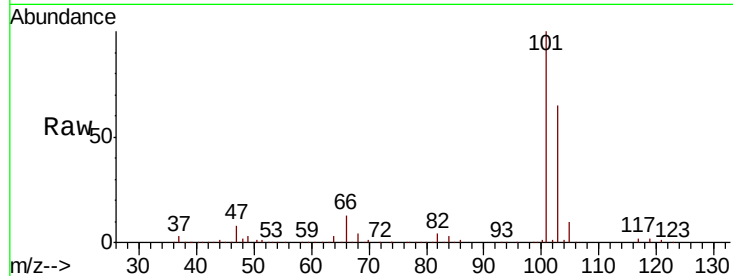


#7

Trichlorofluoromethane
Concen: 41.578 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

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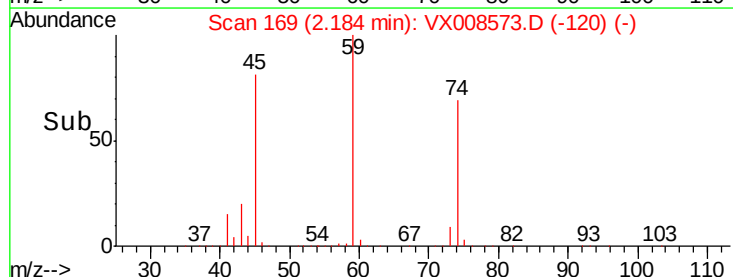
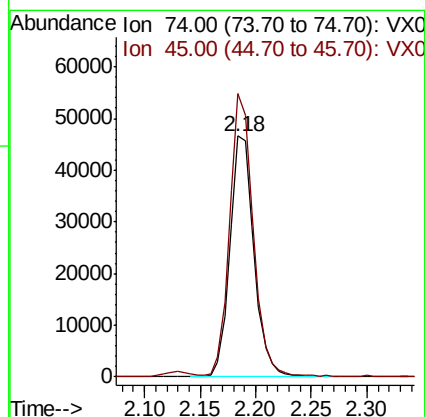
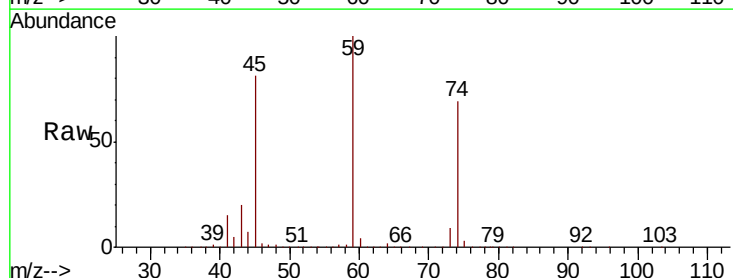
Tot Ion:101 Resp: 138296
Ion Ratio Lower Upper
101 100
103 64.8 50.2 75.4

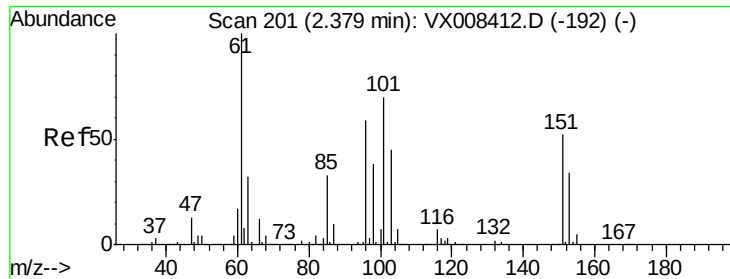


#8

Diethyl Ether
Concen: 44.274 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 74 Resp: 69693
Ion Ratio Lower Upper
74 100
45 113.6 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.369 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

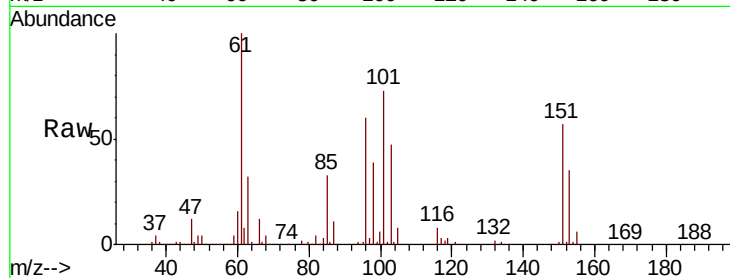
Tot Ion:101 Resp: 83159

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

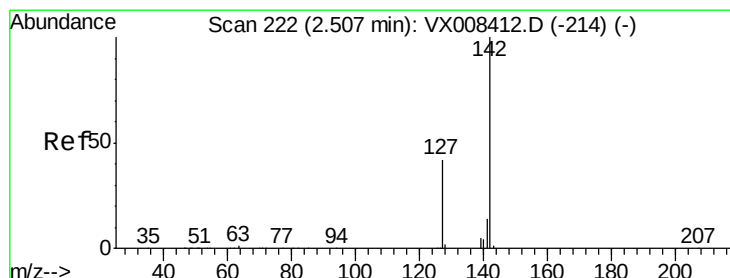
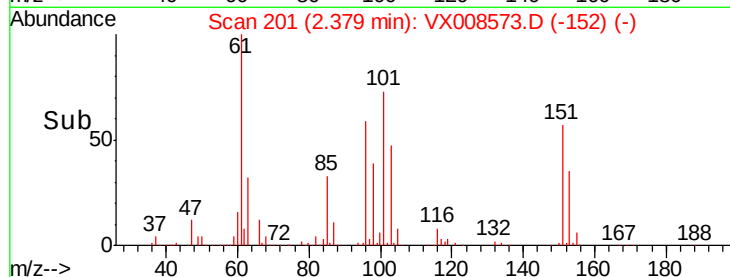
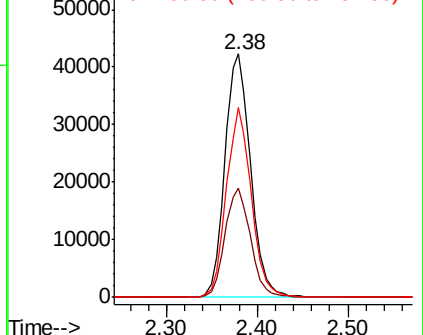
151 75.7 59.2 88.8



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: 25.674 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

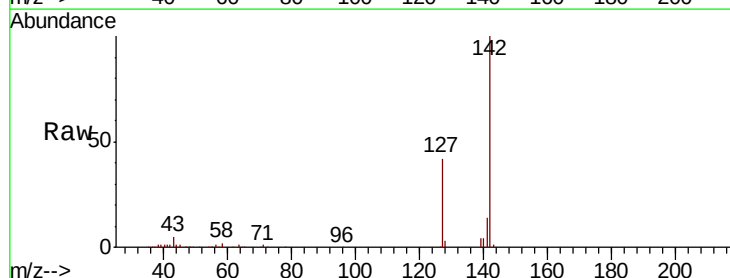
Tgt Ion:142 Resp: 45933

Ion Ratio Lower Upper

142 100

127 42.8 33.6 50.4

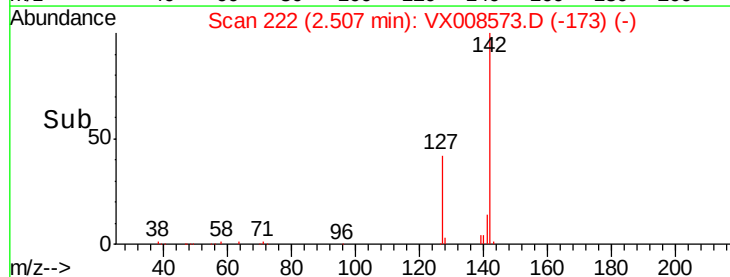
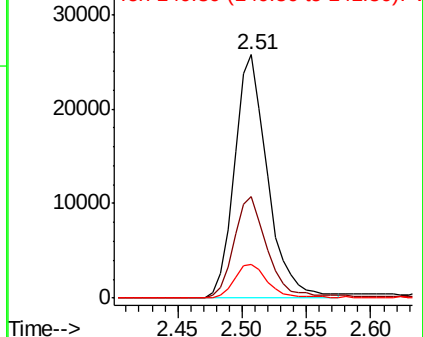
141 14.5 11.3 16.9

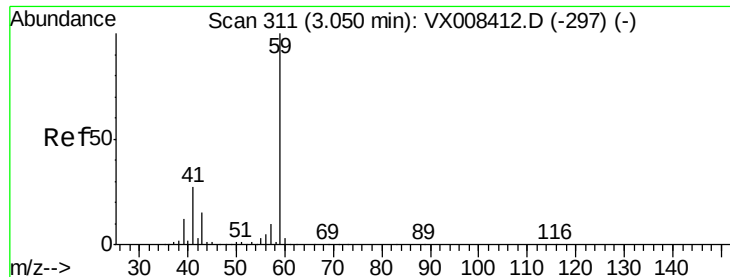


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



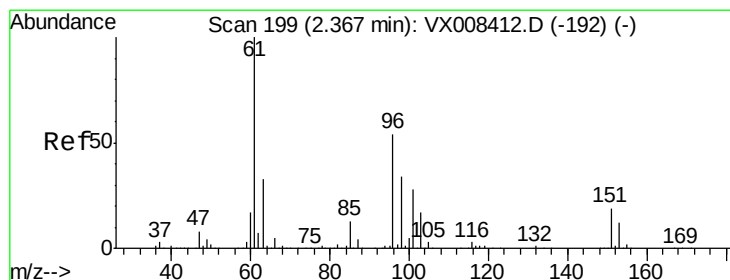
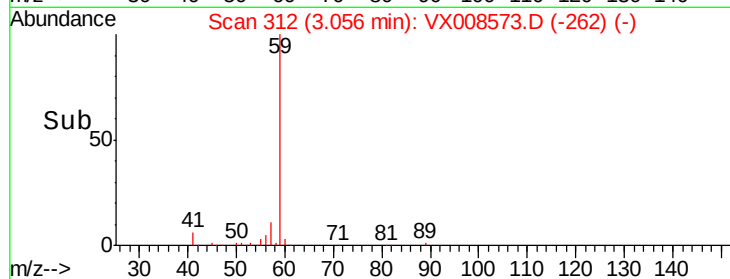
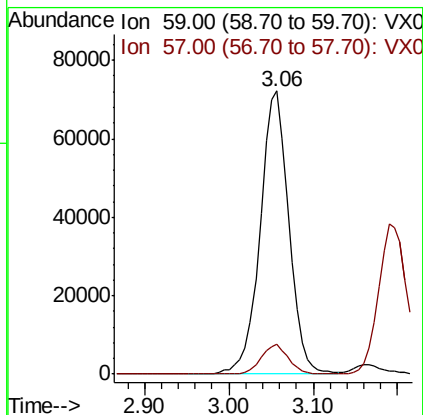
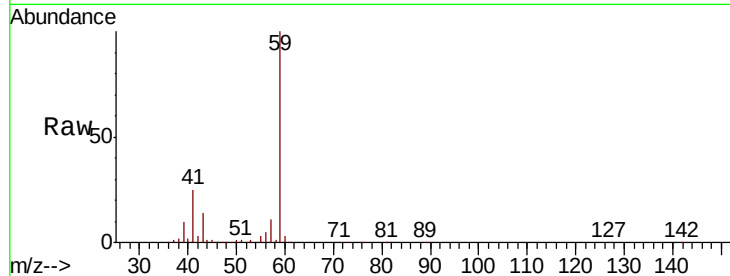


#11

Tert butyl alcohol
 Concen: 283.116 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

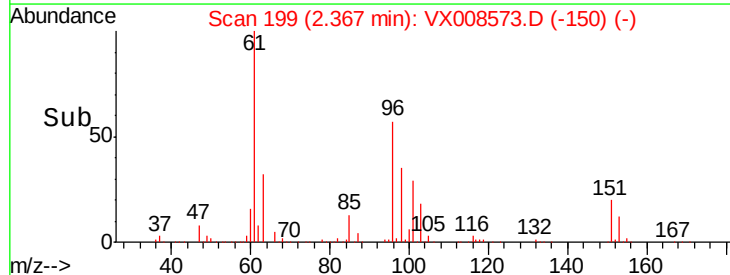
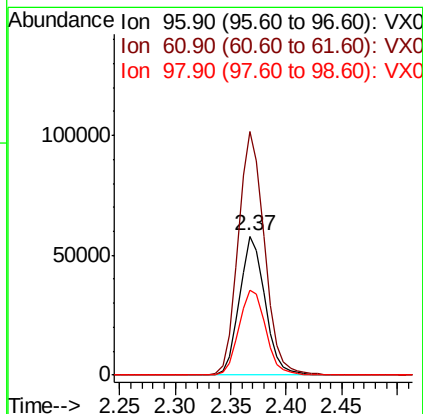
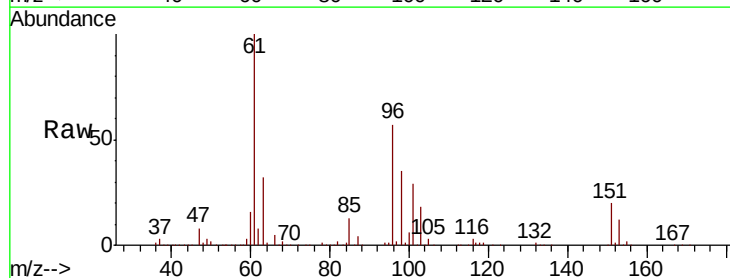
Tot Ion: 59 Resp: 169693
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

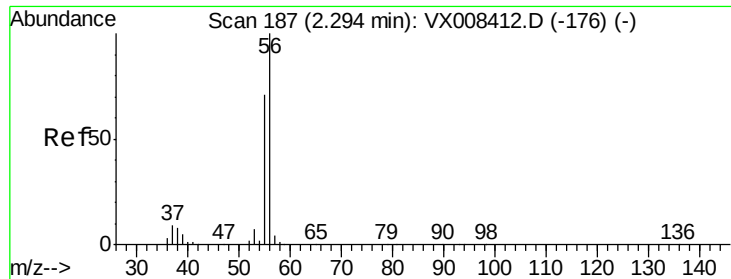


#12

1,1-Dichloroethene
 Concen: 44.595 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 96 Resp: 92580
 Ion Ratio Lower Upper
 96 100
 61 175.6 146.9 220.3
 98 61.0 50.1 75.1

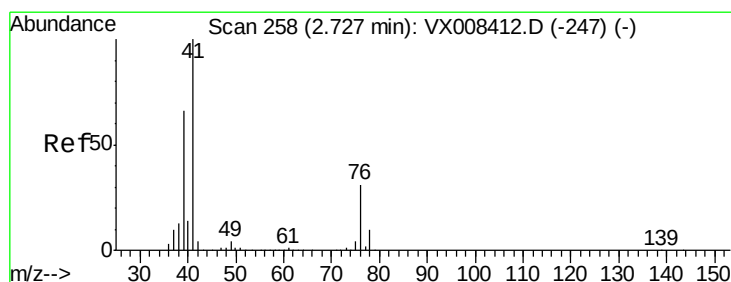
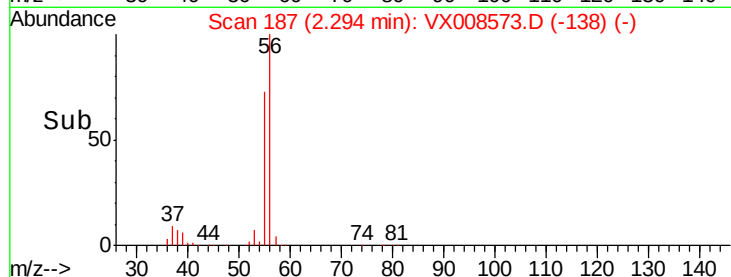
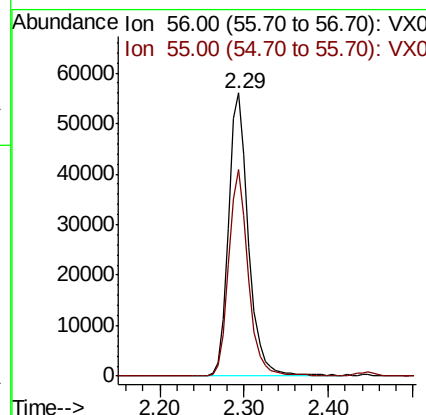
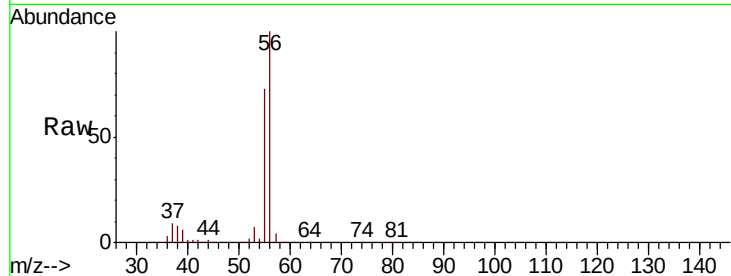




#13
Acrolein
Concen: 209.800 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

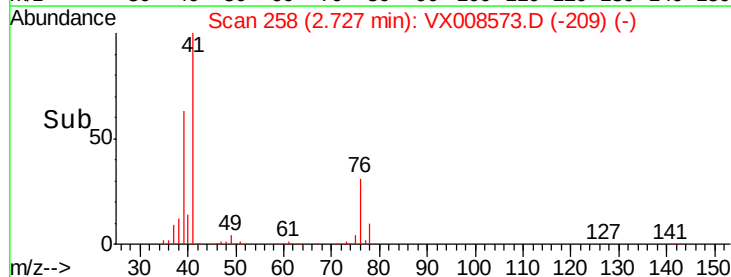
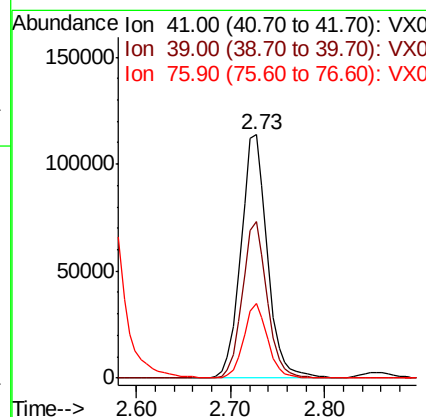
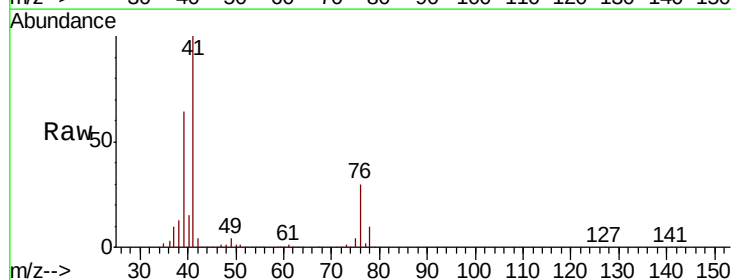
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

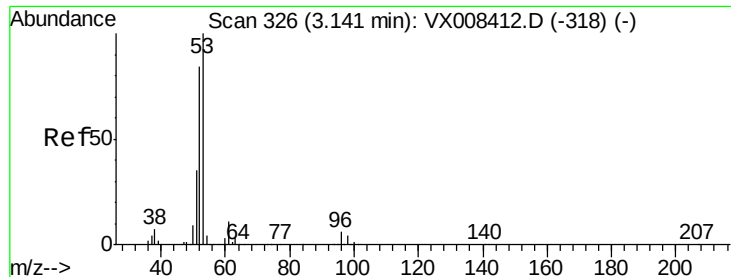
Tot Ion: 56 Resp: 91318
Ion Ratio Lower Upper
56 100
55 70.9 56.5 84.7



#14
Allyl chloride
Concen: 48.292 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 41 Resp: 220874
Ion Ratio Lower Upper
41 100
39 60.2 49.6 74.4
76 27.5 22.6 34.0





#15

Acrylonitrile

Concen: 252.981 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

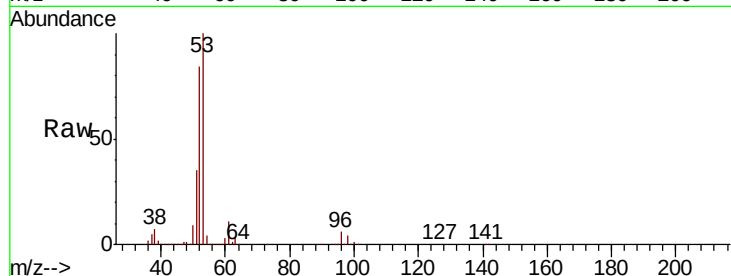
Tot Ion: 53 Resp: 397603

Ion Ratio Lower Upper

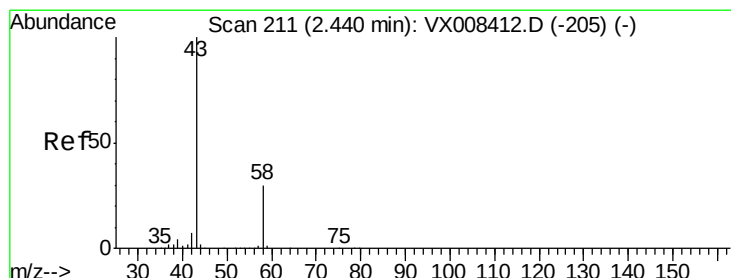
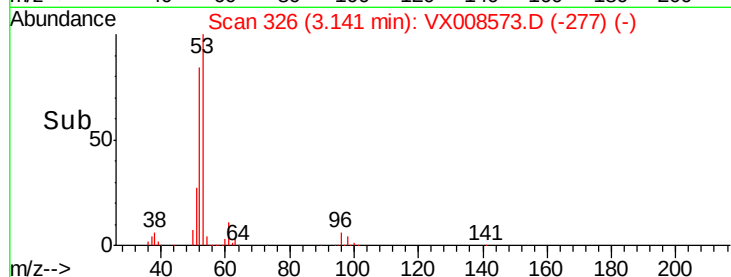
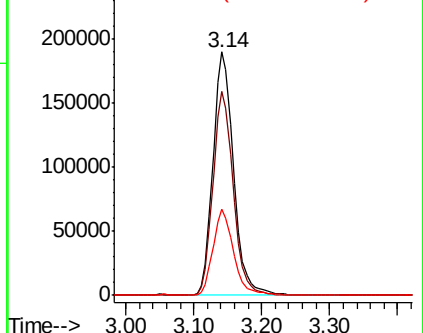
53 100

52 83.2 66.5 99.7

51 35.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 240.452 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008573.D

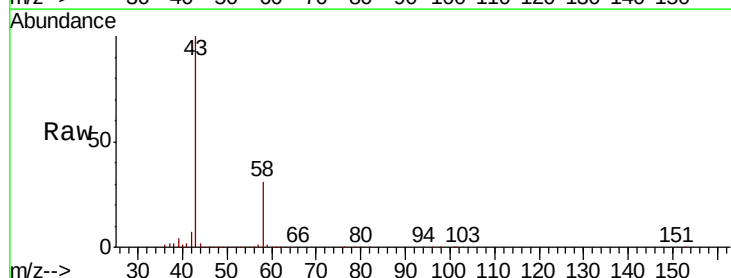
Acq: 01 Apr 2019 16:56

Tgt Ion: 43 Resp: 339983

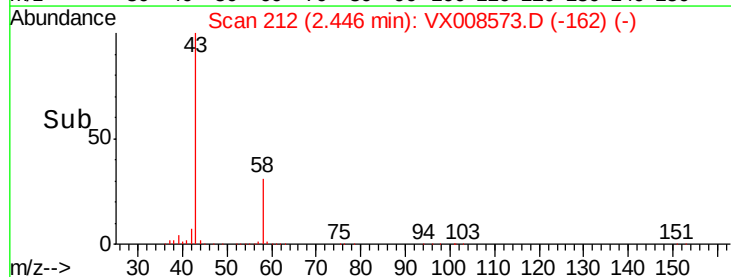
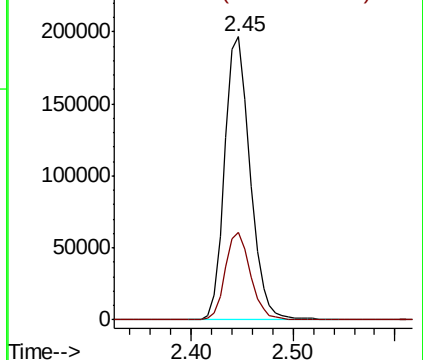
Ion Ratio Lower Upper

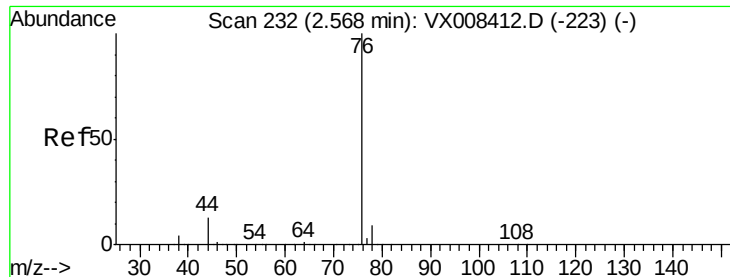
43 100

58 30.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.092 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

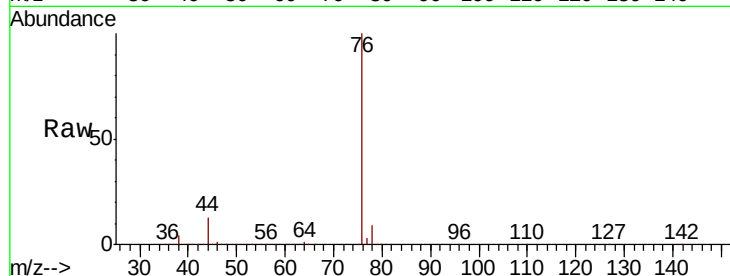
BP-VPB201R-GW-818-820MS

Tot Ion: 76 Resp: 262896

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

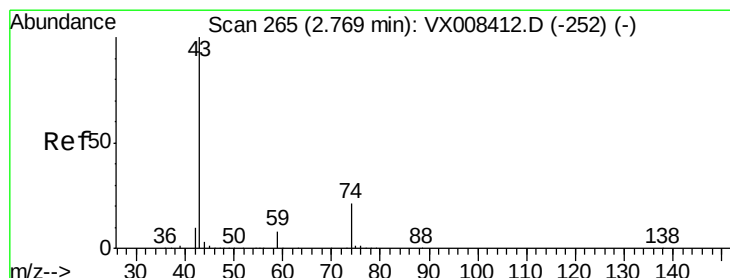
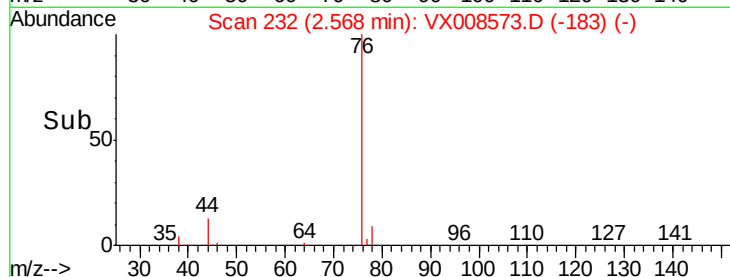
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 50.904 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008573.D

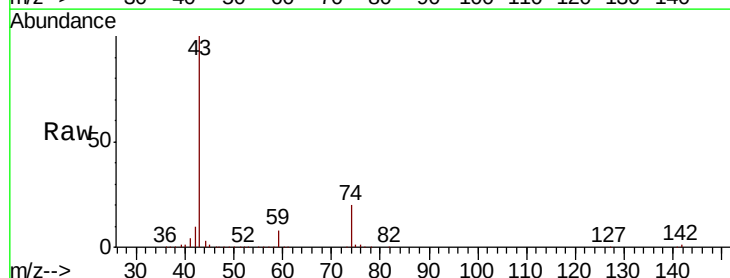
Acq: 01 Apr 2019 16:56

Tgt Ion: 43 Resp: 172865

Ion Ratio Lower Upper

43 100

74 20.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

60000

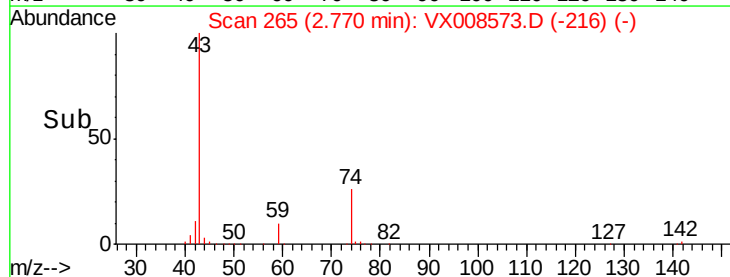
40000

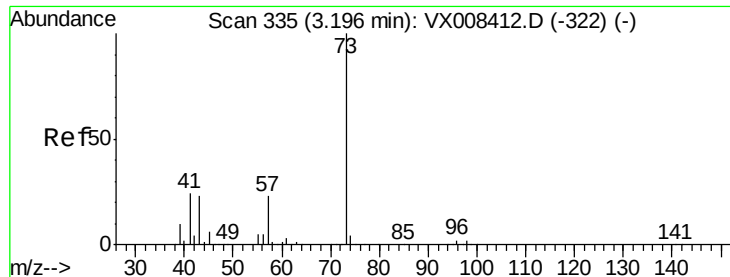
20000

0

Time-->

2.60 2.70 2.80 2.90 3.00

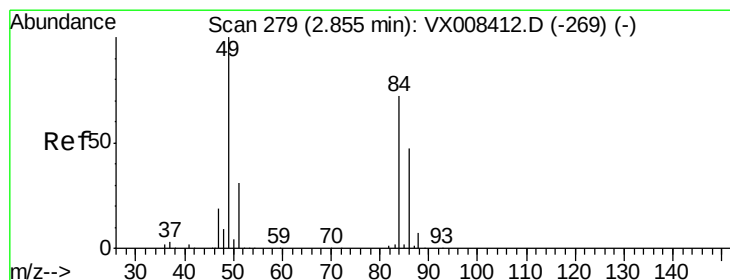
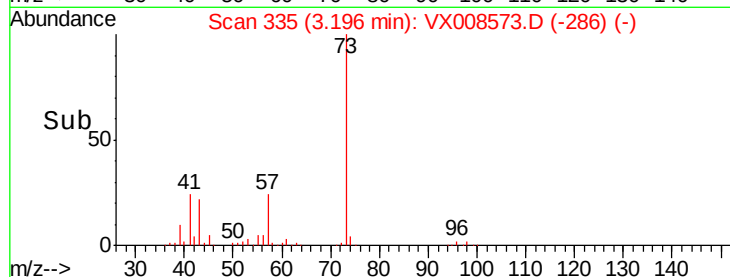
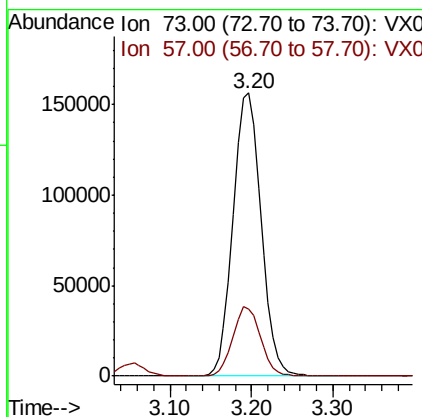
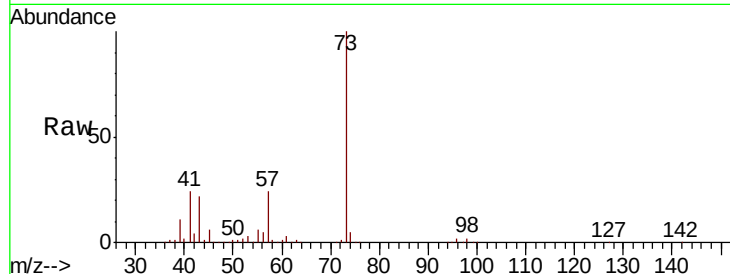




#19
Methvl tert-butyl Ether
Concen: 49.677 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

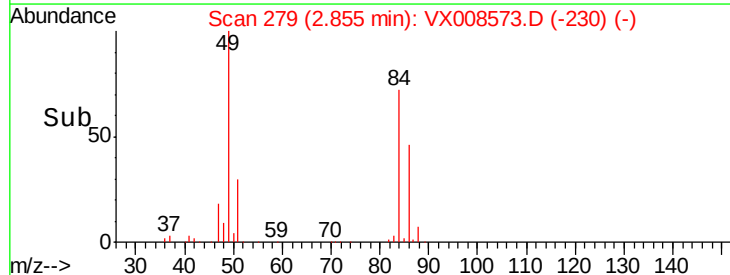
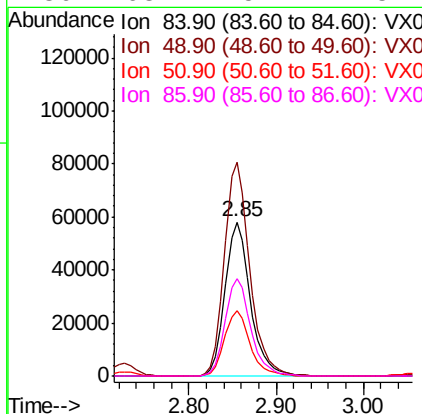
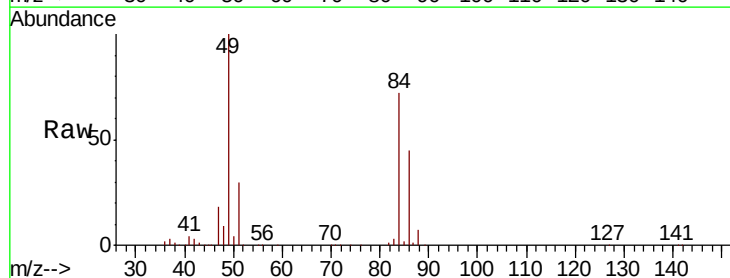
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

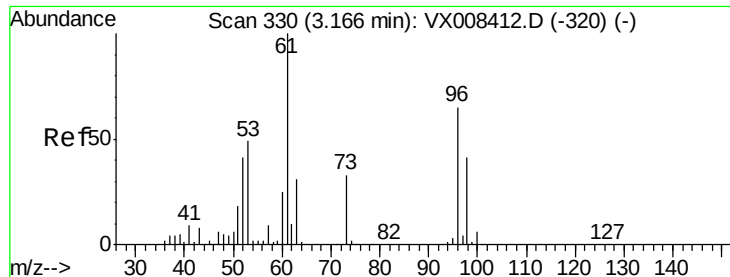
Tot Ion: 73 Resp: 371639
Ion Ratio Lower Upper
73 100
57 23.8 18.6 28.0



#20
Methylene Chloride
Concen: 50.456 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 84 Resp: 116422
Ion Ratio Lower Upper
84 100
49 138.8 110.6 165.8
51 42.1 33.9 50.9
86 63.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.463 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

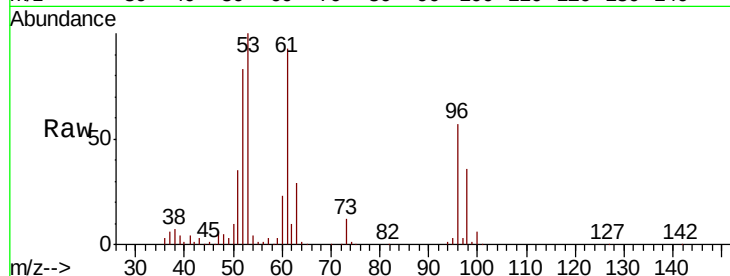
Tot Ion: 96 Resp: 100269

Ion Ratio Lower Upper

96 100

61 162.6 122.6 184.0

98 64.0 50.9 76.3

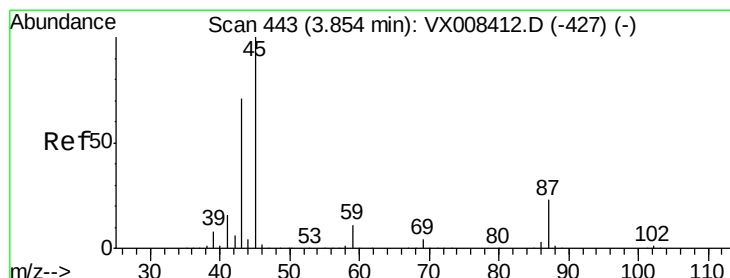
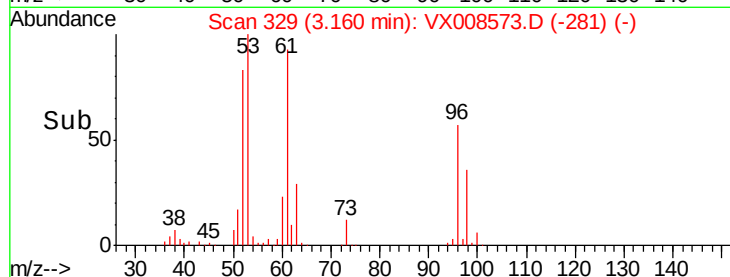
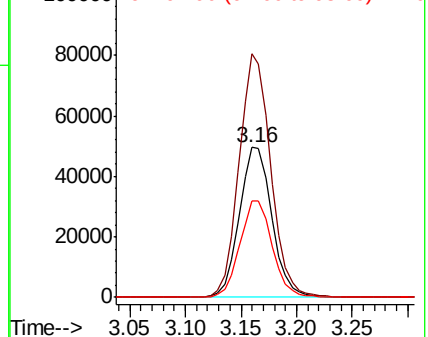


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.135 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Tgt Ion: 45 Resp: 442497

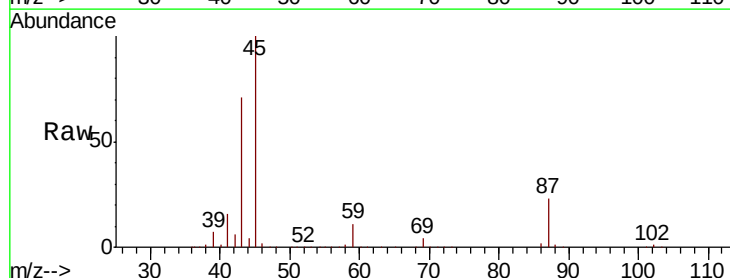
Ion Ratio Lower Upper

45 100

43 70.1 57.1 85.7

87 23.3 18.8 28.2

59 10.6 8.7 13.1



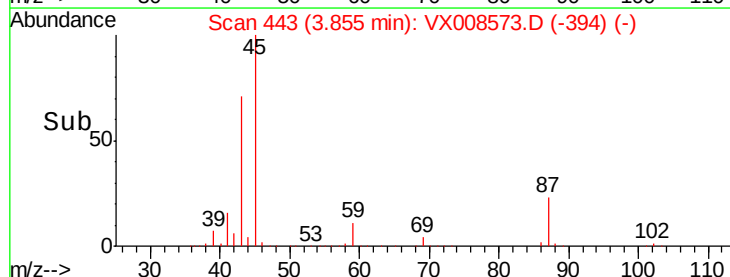
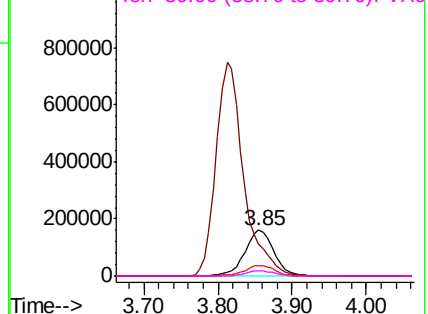
Abundance

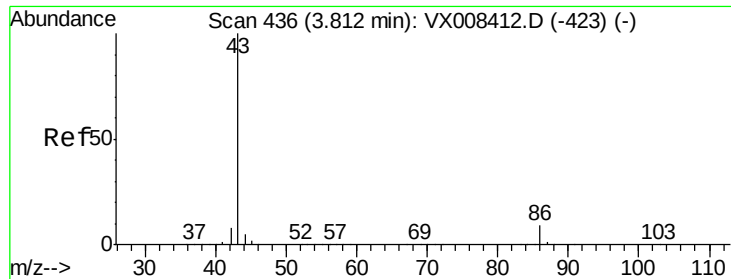
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 246.178 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

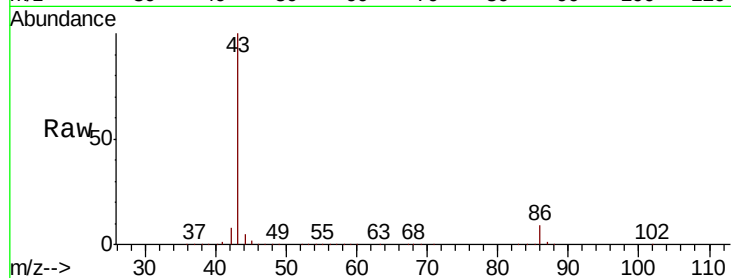
BP-VPB201R-GW-818-820MS

Tot Ion: 43 Resp: 1934229

Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

800000

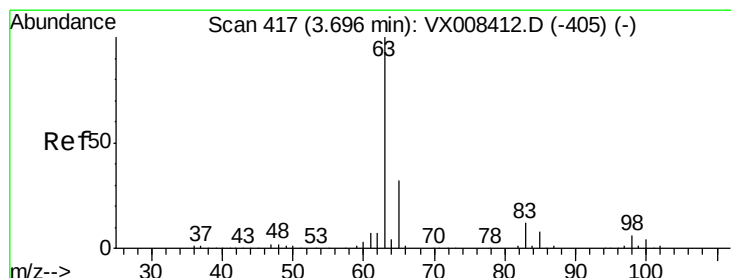
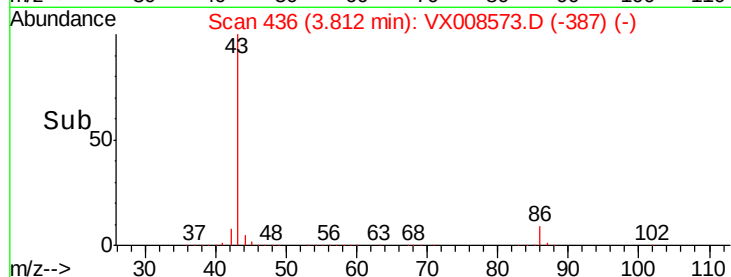
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.097 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

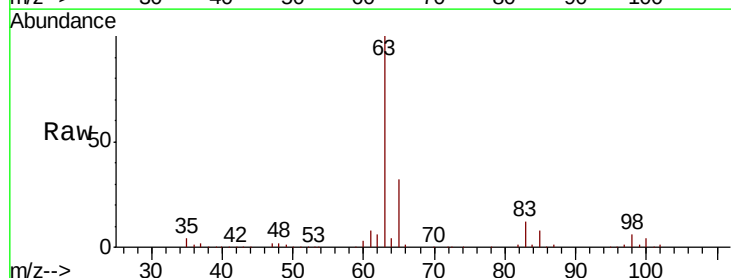
Tgt Ion: 63 Resp: 218678

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

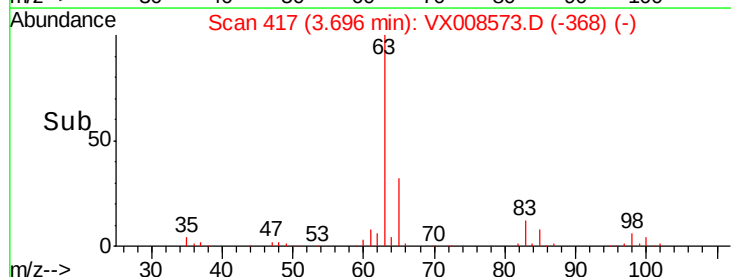
60000

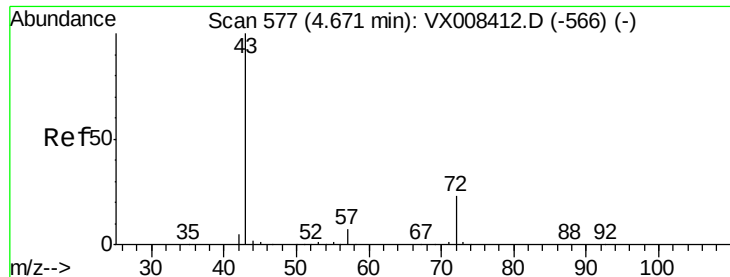
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 259.147 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

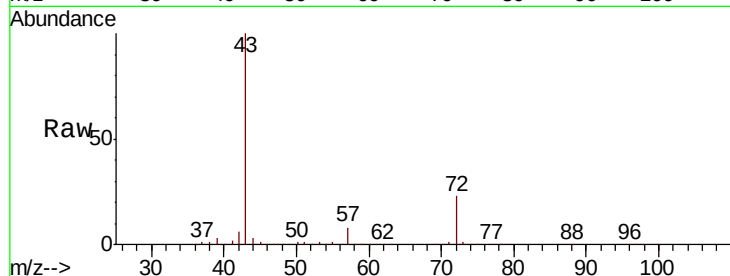
BP-VPB201R-GW-818-820MS

Tot Ion: 43 Resp: 587430

Ion Ratio Lower Upper

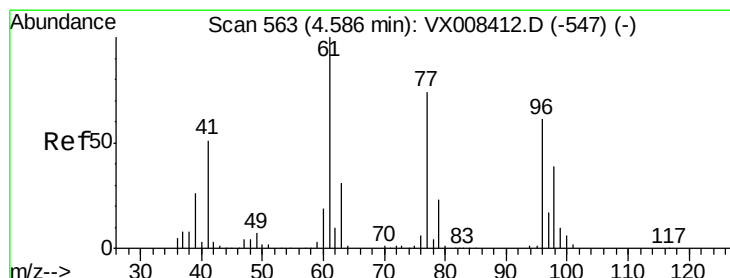
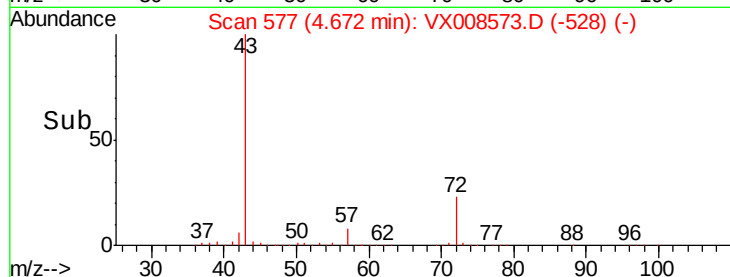
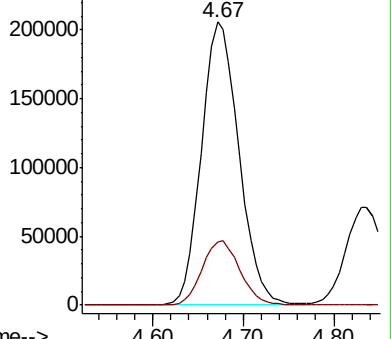
43 100

72 22.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.200 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008573.D

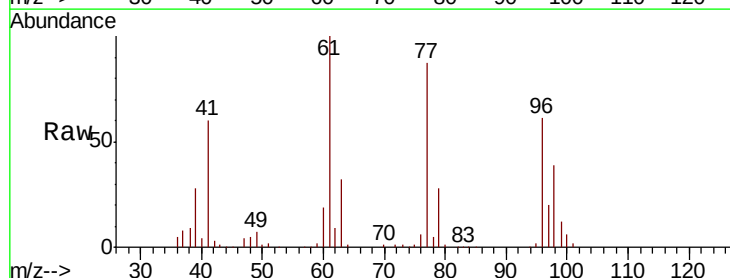
Acq: 01 Apr 2019 16:56

Tgt Ion: 77 Resp: 145758

Ion Ratio Lower Upper

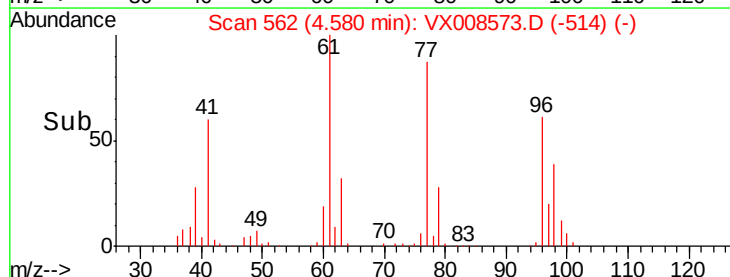
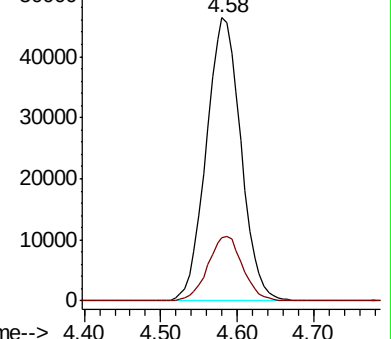
77 100

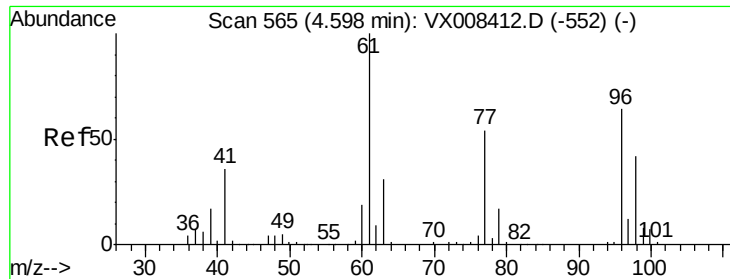
97 23.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



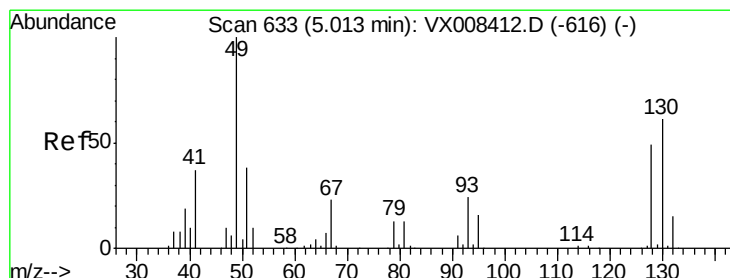
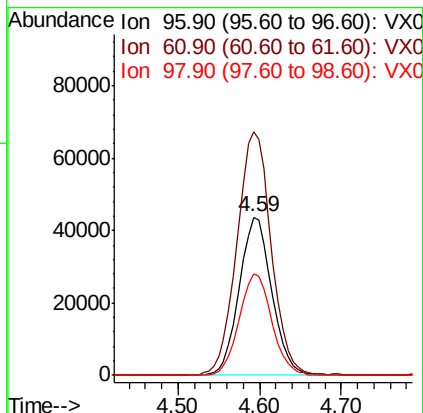
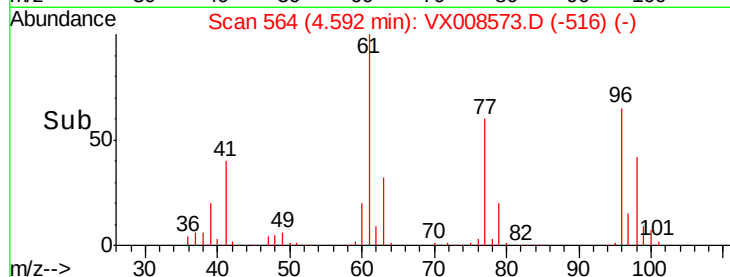
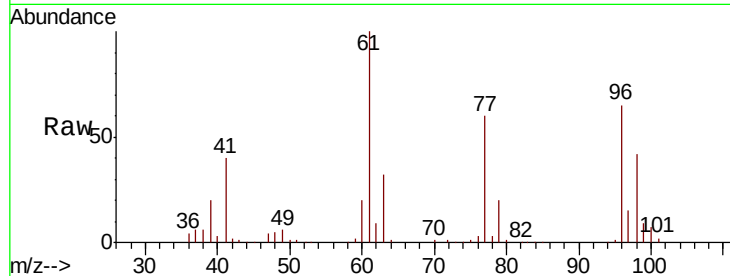


#27

cis-1,2-Dichloroethene
Concen: 47.662 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

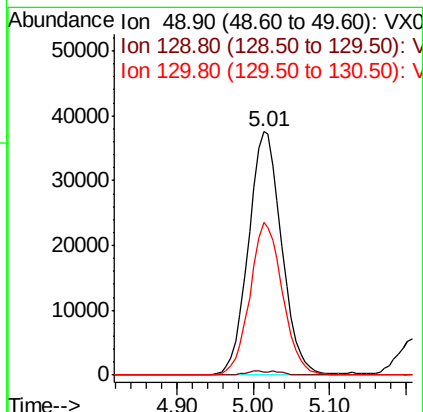
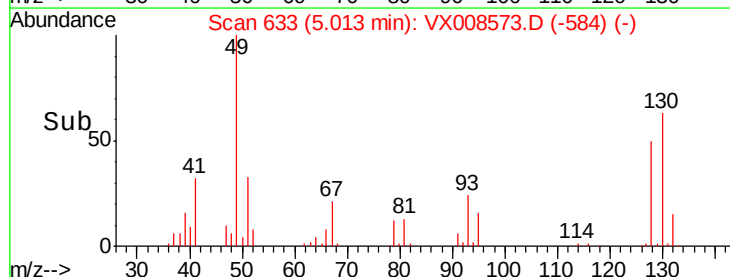
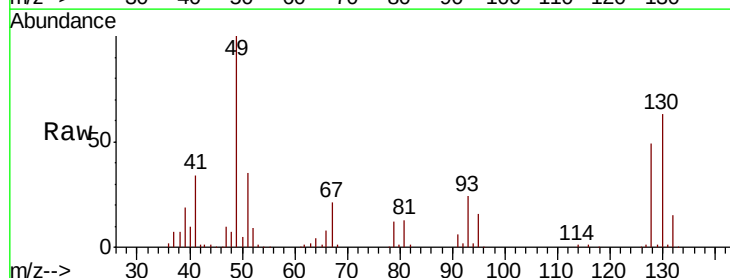
Tot Ion: 96 Resp: 120995
Ion Ratio Lower Upper
96 100
61 162.9 0.0 325.6
98 64.5 0.0 130.0

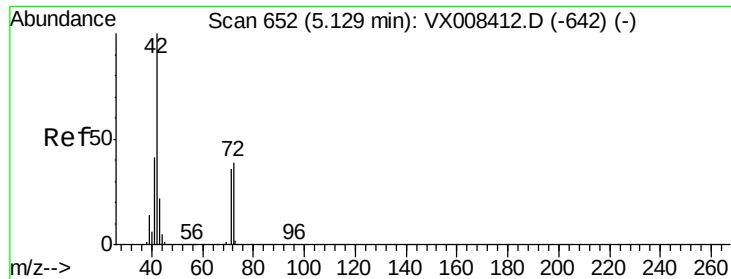


#28

Bromochloromethane
Concen: 50.646 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 49 Resp: 113762
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 61.3 49.8 74.6

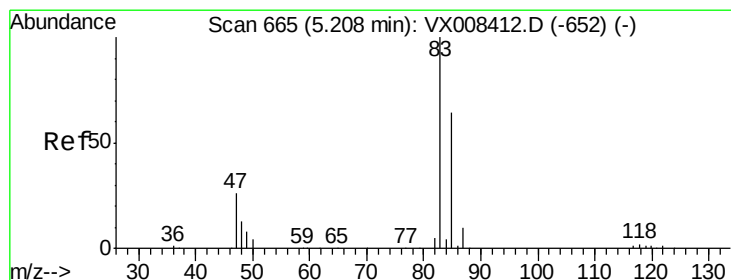
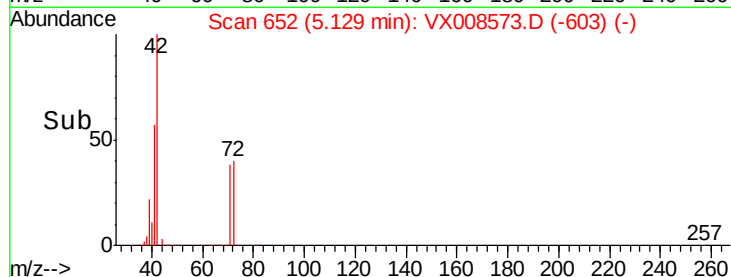
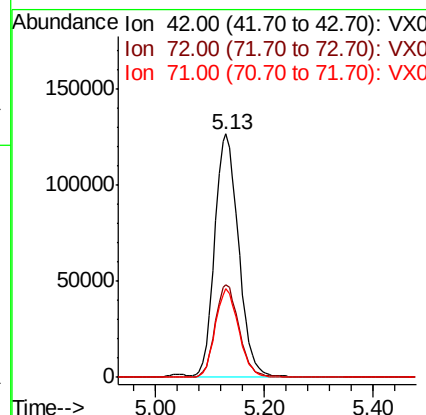
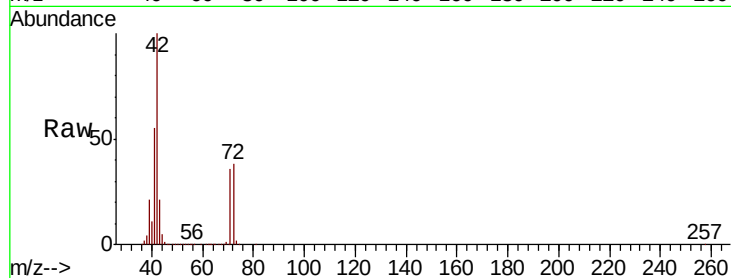




#29
Tetrahydrofuran
Concen: 258.125 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

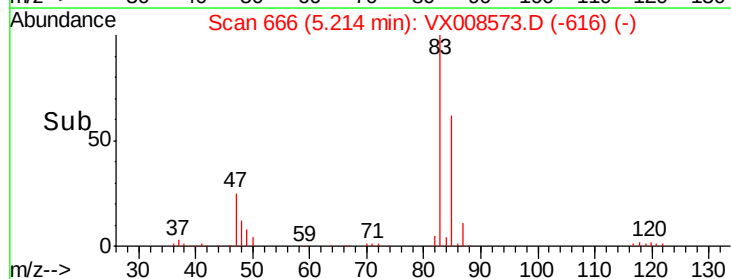
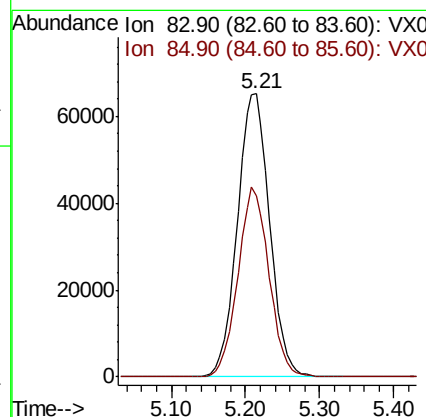
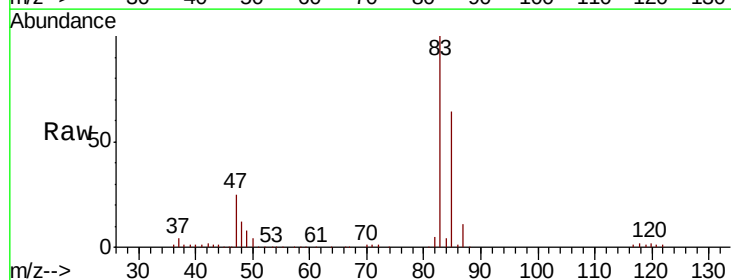
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

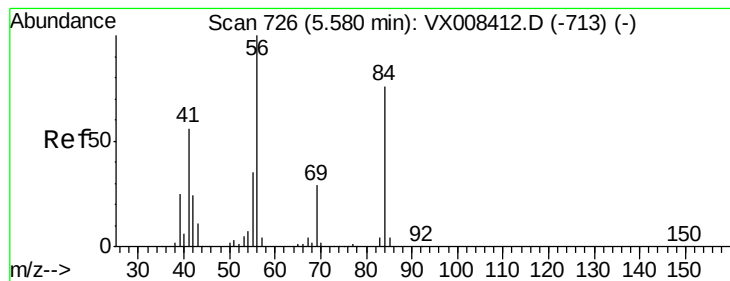
Tot Ion: 42 Resp: 385632
Ion Ratio Lower Upper
42 100
72 38.3 31.4 47.2
71 36.0 29.4 44.2



#30
Chloroform
Concen: 48.263 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 83 Resp: 198033
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.2





#31

Cyclohexane

Concen: 42.800 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

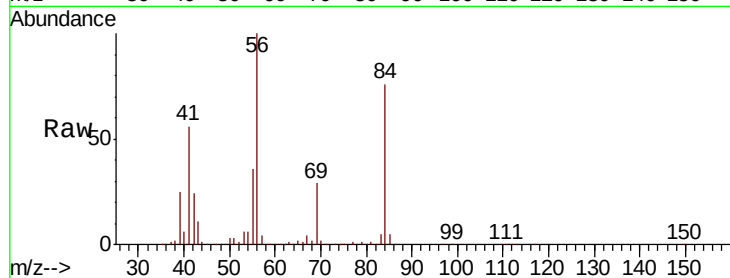
Tot Ion: 56 Resp: 185591

Ion Ratio Lower Upper

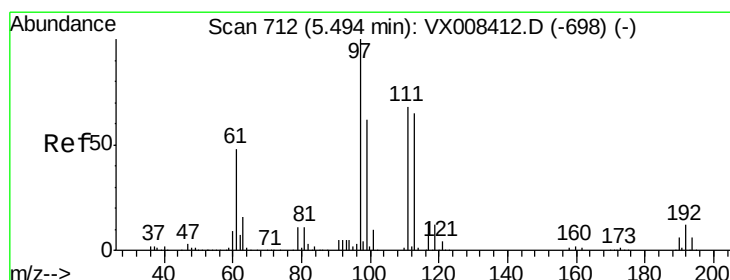
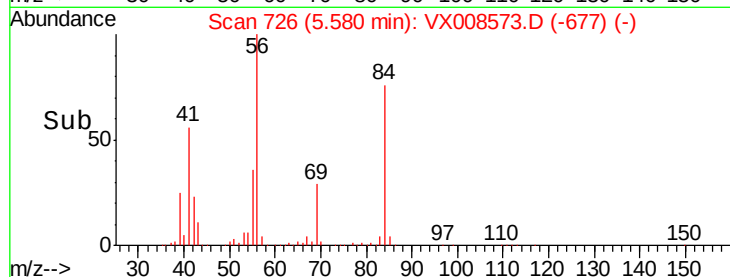
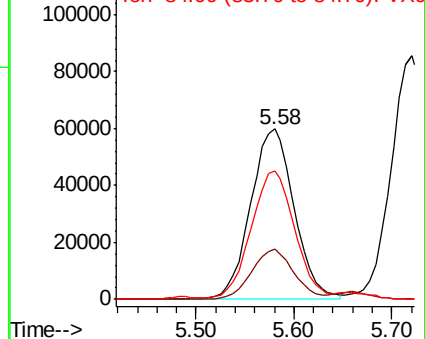
56 100

69 29.4 23.2 34.8

84 74.5 60.7 91.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.422 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

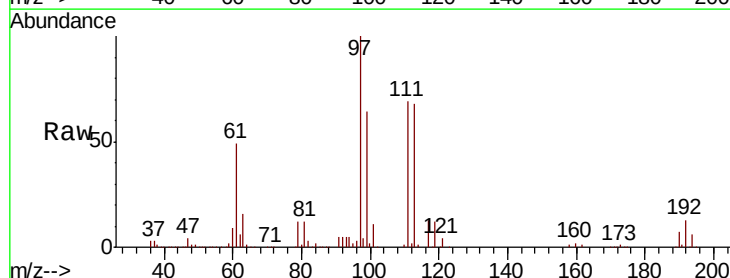
Tgt Ion: 97 Resp: 158812

Ion Ratio Lower Upper

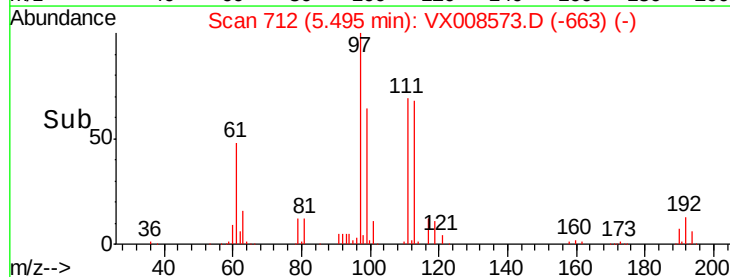
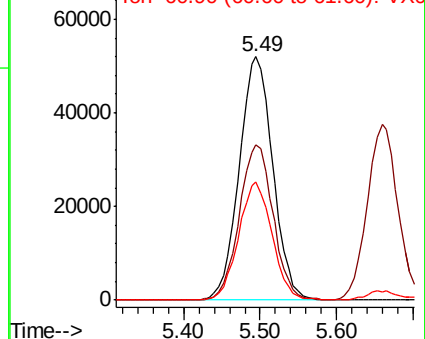
97 100

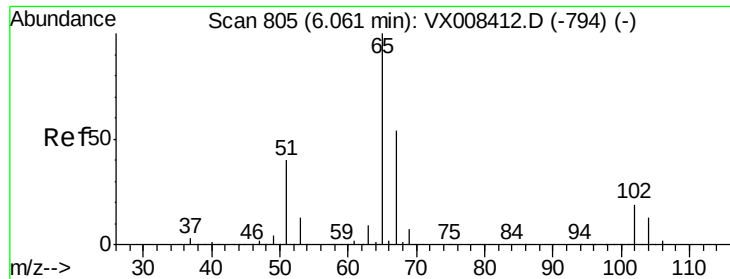
99 64.3 51.5 77.3

61 48.4 38.8 58.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

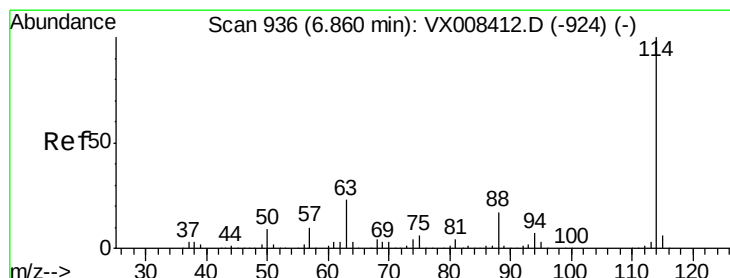
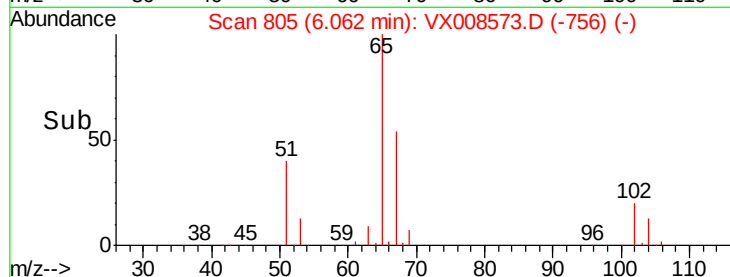
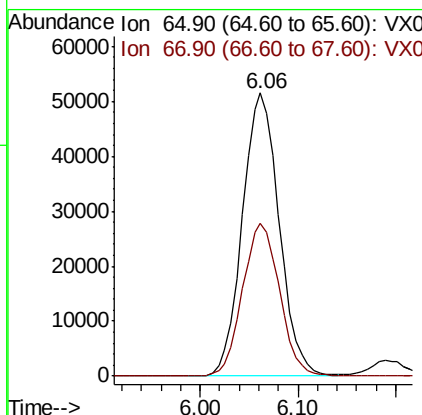
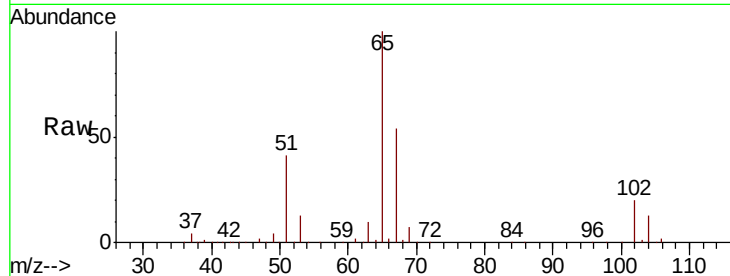




#33
 1,2-Dichloroethane-d4
 Concen: 49.873 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

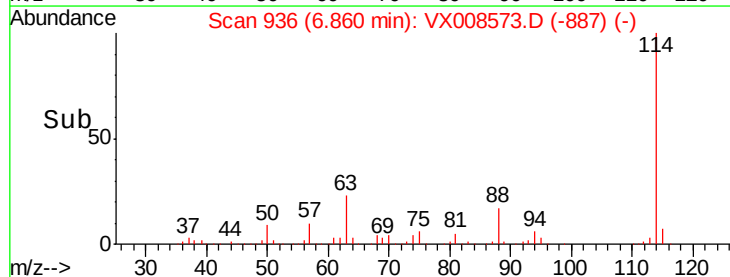
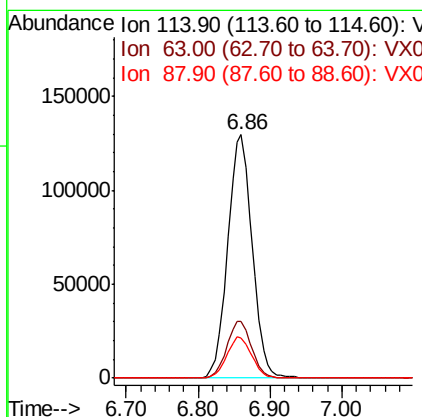
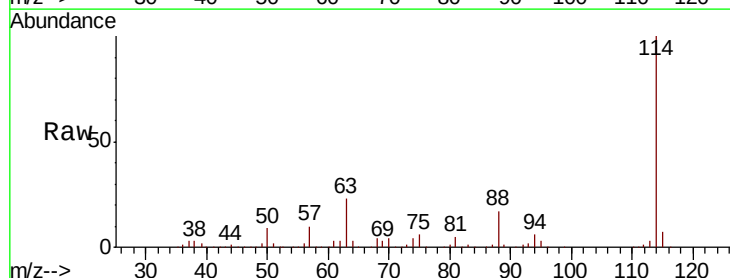
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

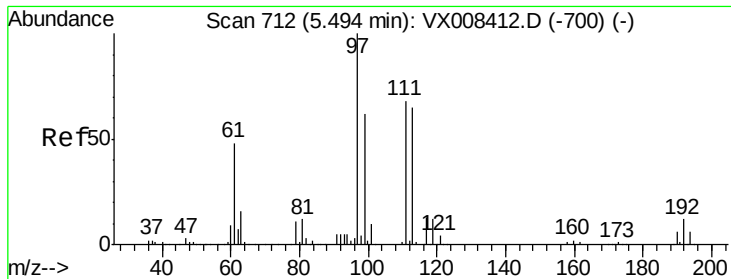
Tot Ion: 65 Resp: 134921
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 114 Resp: 306824
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.4
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.687 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

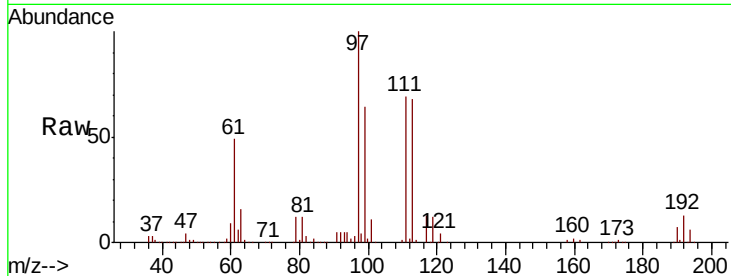
Tot Ion:113 Resp: 101407

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

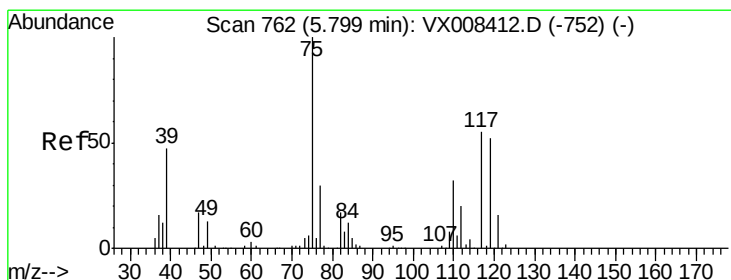
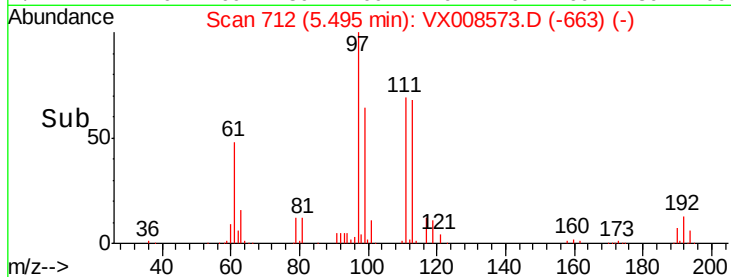
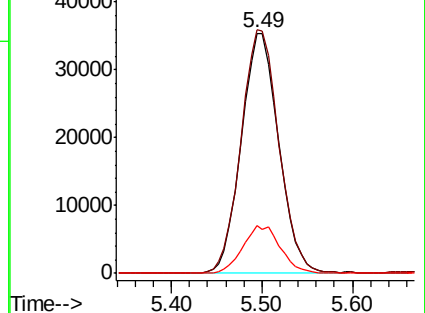
192 19.8 15.6 23.4



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: 44.879 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

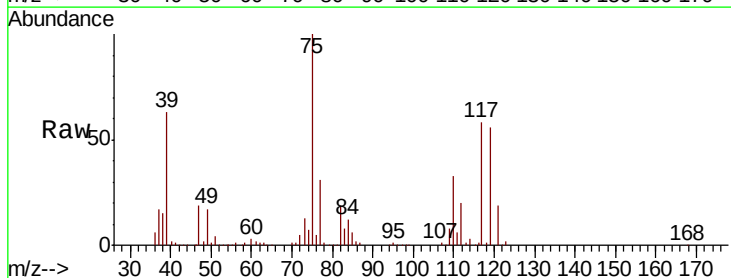
Tgt Ion: 75 Resp: 146819

Ion Ratio Lower Upper

75 100

110 33.0 16.6 49.7

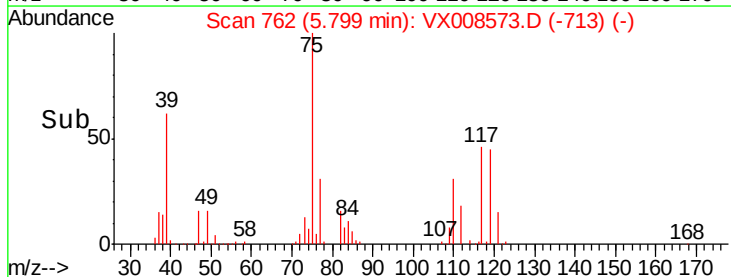
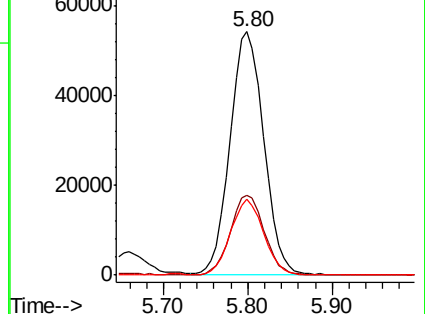
77 30.5 24.2 36.2

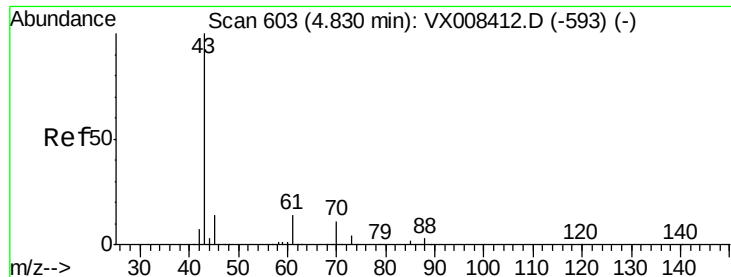


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

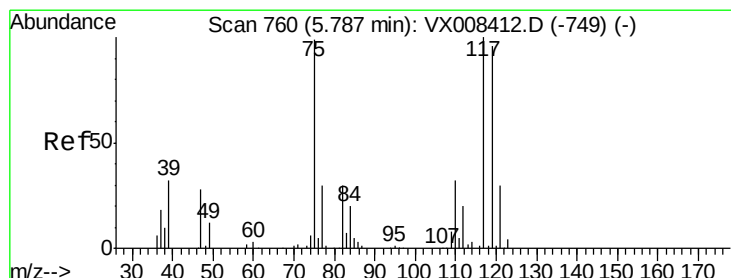
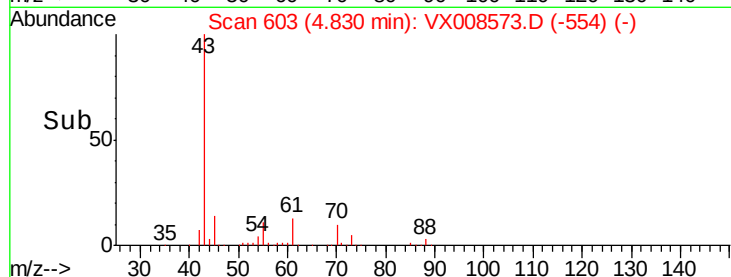
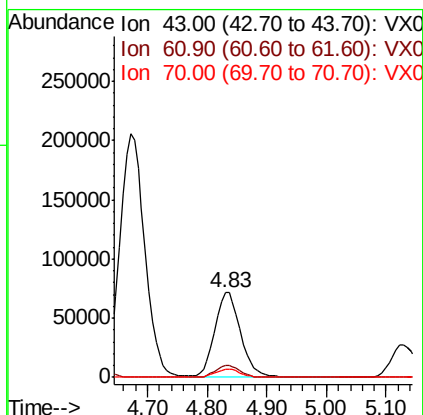
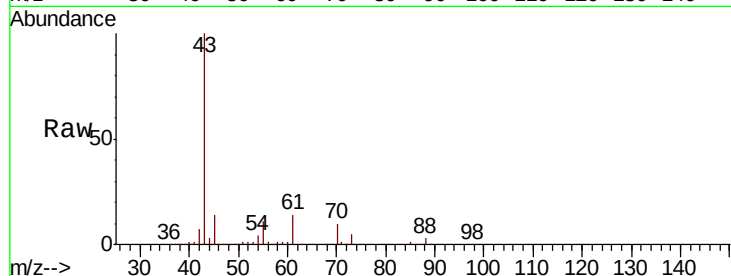




#37
Ethyl Acetate
Concen: 50.685 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

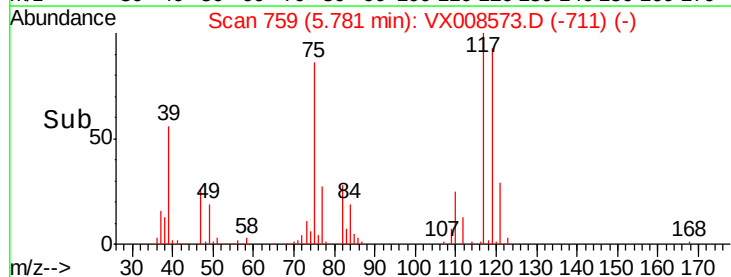
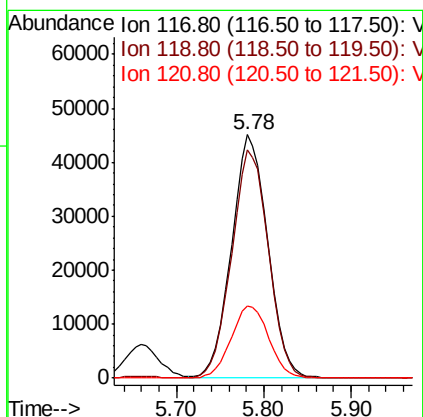
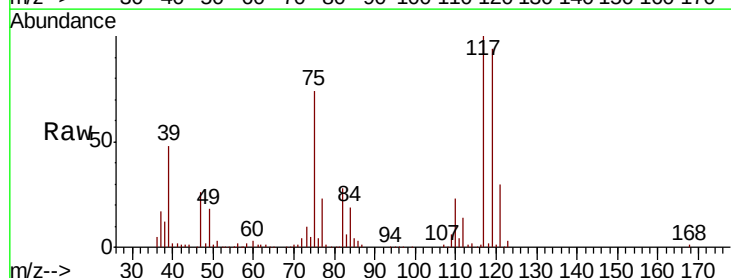
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

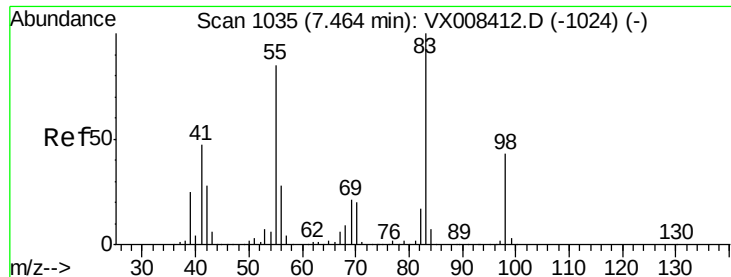
Tot Ion: 43 Resp: 214806
Ion Ratio Lower Upper
43 100
61 12.8 10.5 15.7
70 9.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.540 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 117 Resp: 129790
Ion Ratio Lower Upper
117 100
119 93.7 76.7 115.1
121 29.6 24.3 36.5

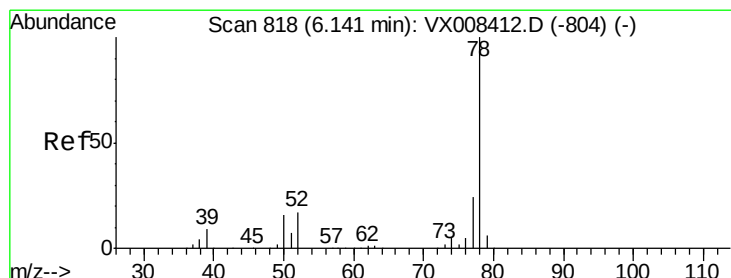
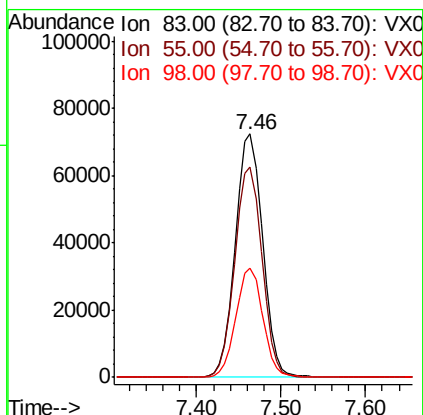
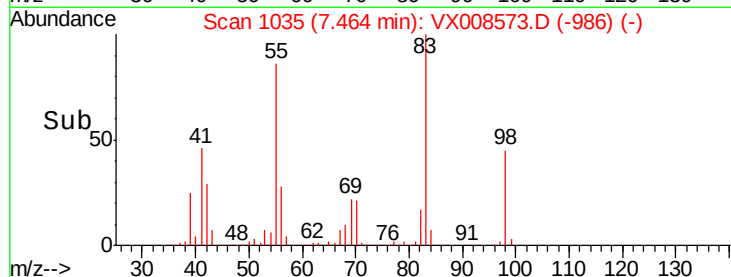
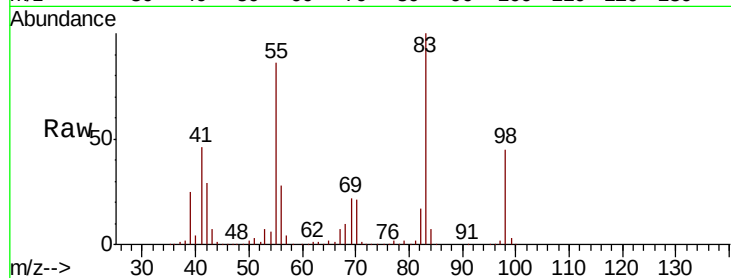




#39
Methylvlcyclohexane
Concen: 40.674 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

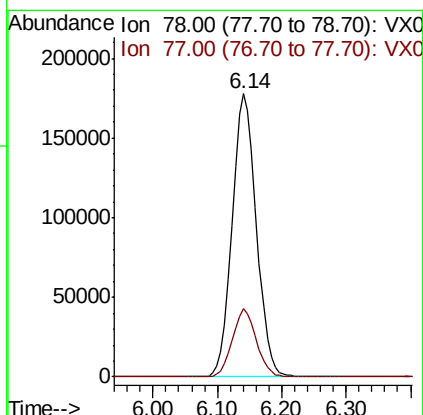
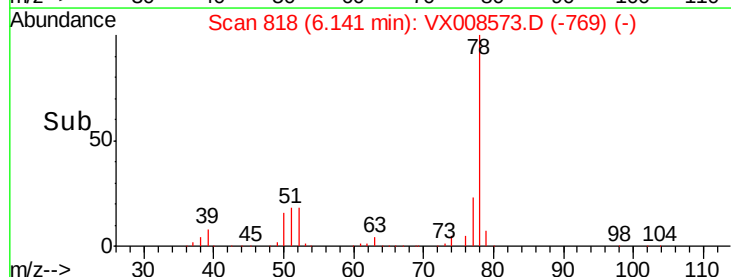
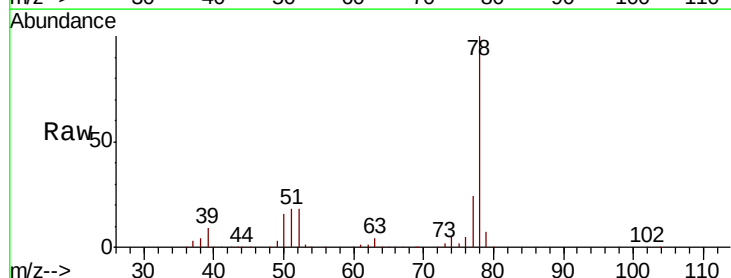
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

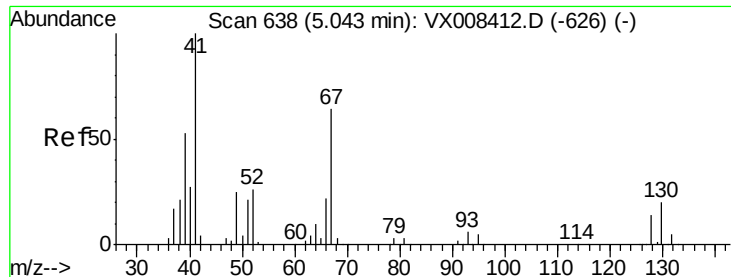
Tot Ion: 83 Resp: 159019
Ion Ratio Lower Upper
83 100
55 86.4 68.2 102.4
98 45.1 34.2 51.4



#40
Benzene
Concen: 47.598 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 78 Resp: 466166
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9

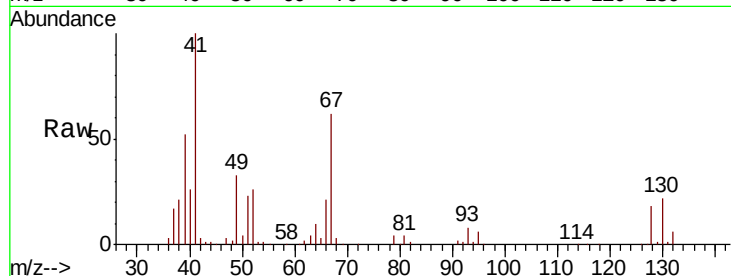




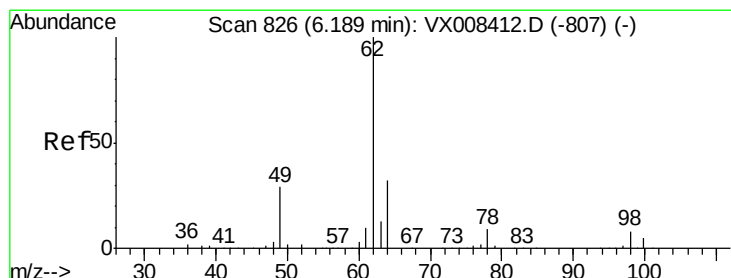
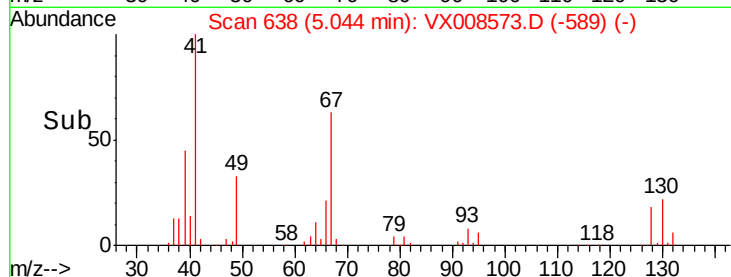
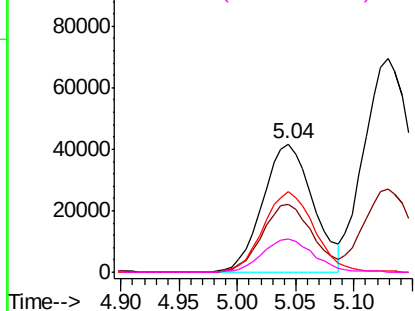
#41
Methacrylonitrile
Concen: 52.243 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

Tot Ion:	41	Resp:	124427
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.6	64.0
67	63.7	52.2	78.4
52	26.7	21.4	32.0

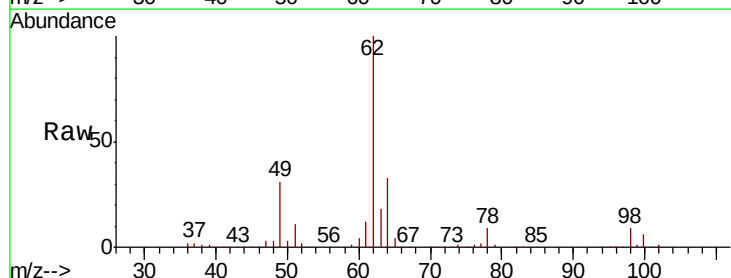


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

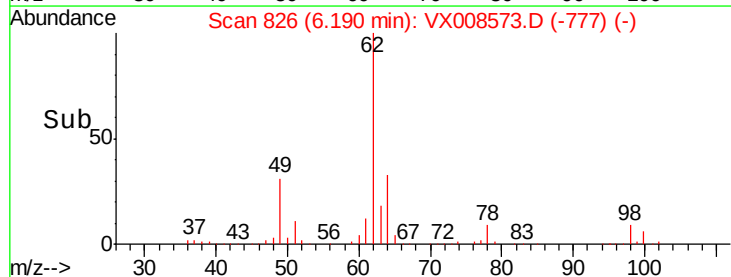
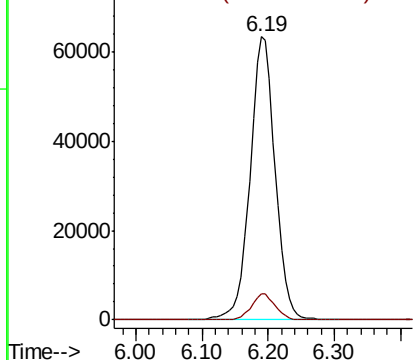


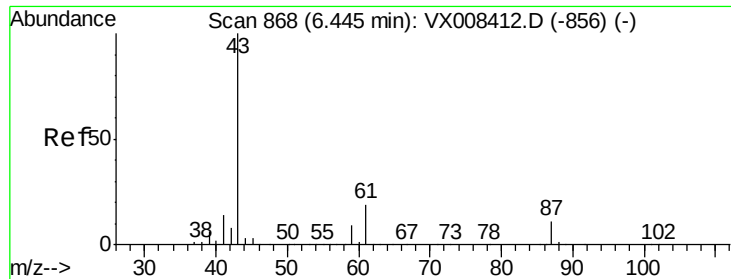
#42
1,2-Dichloroethane
Concen: 46.699 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion:	62	Resp:	167455
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



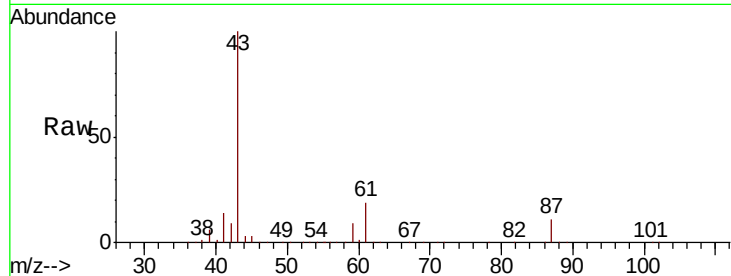


#43

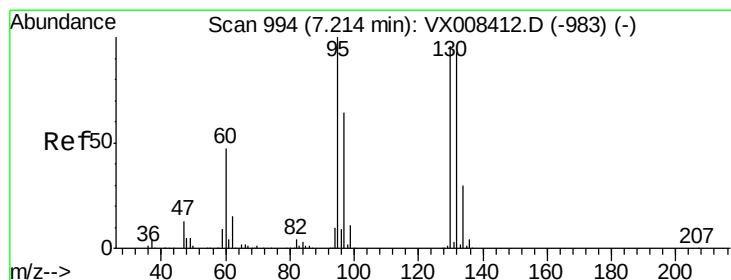
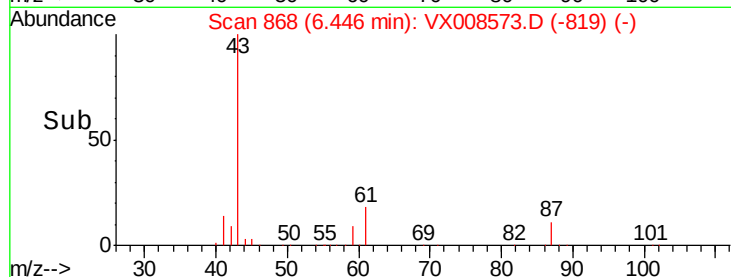
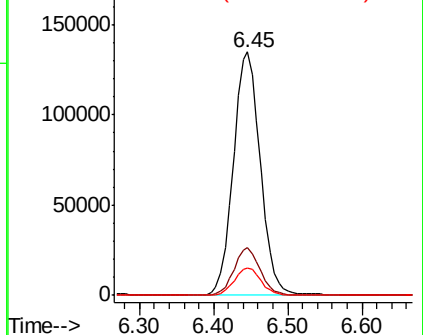
Isopropyl Acetate
 Concen: 50.385 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.2
87	11.2	9.1	13.7



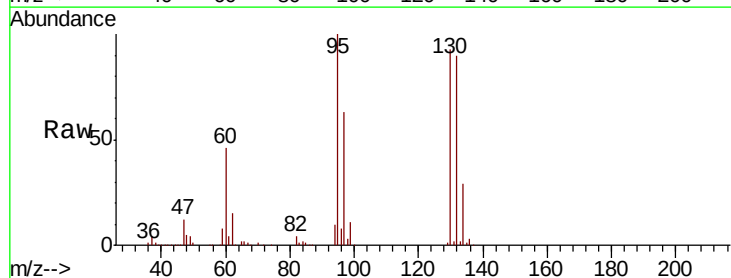
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



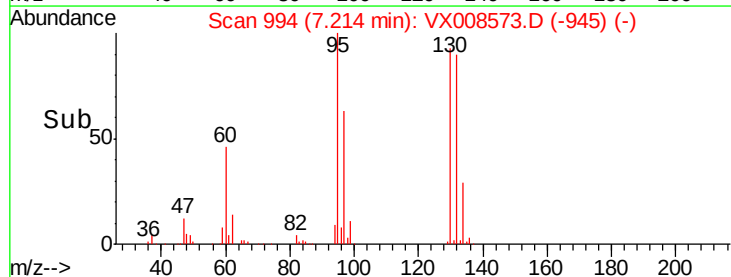
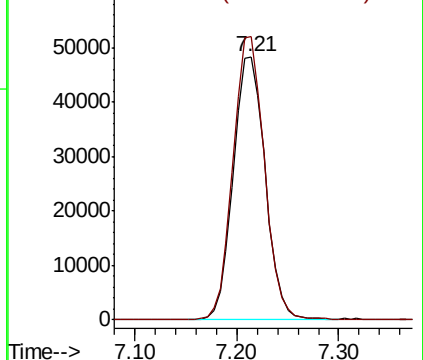
#44

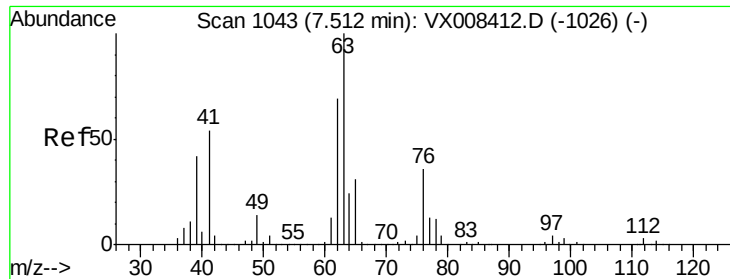
Trichloroethene
 Concen: 45.827 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	208.8



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

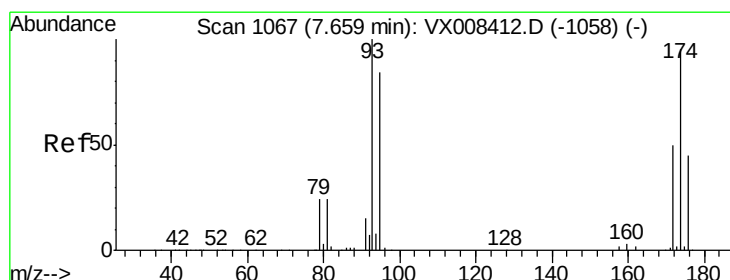
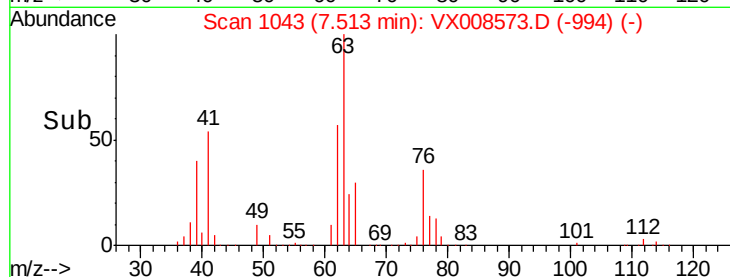
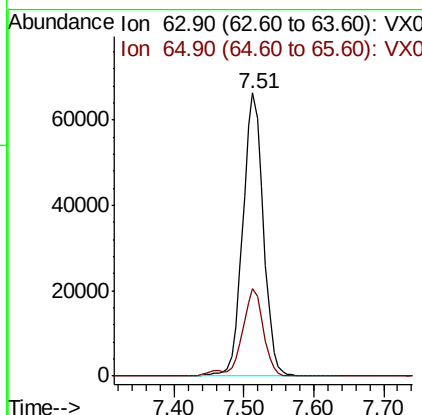
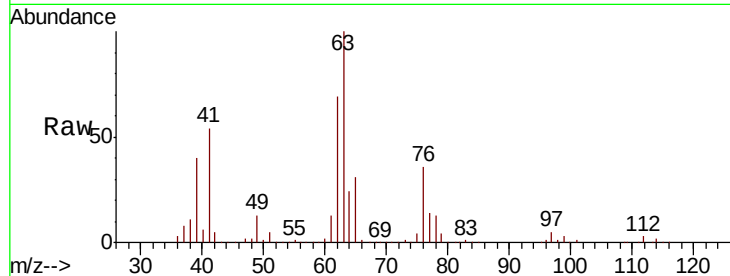




#45
 1,2-Dichloropropane
 Concen: 48.569 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

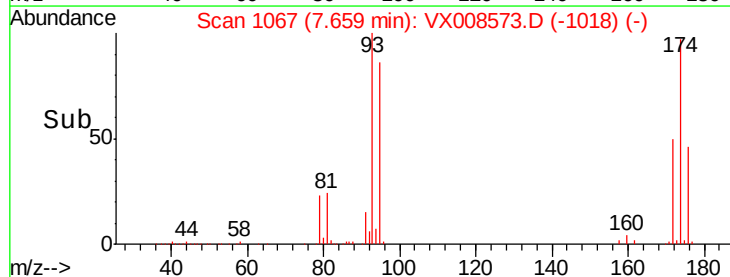
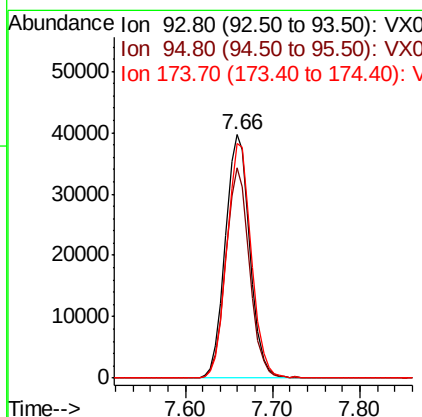
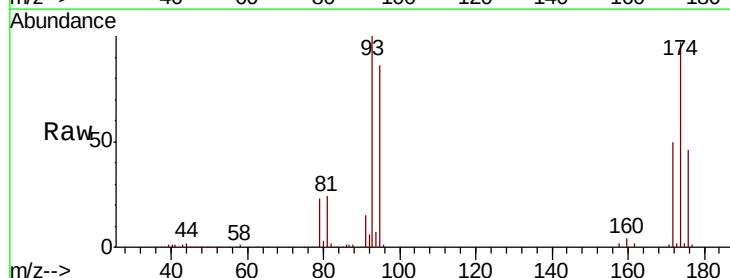
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

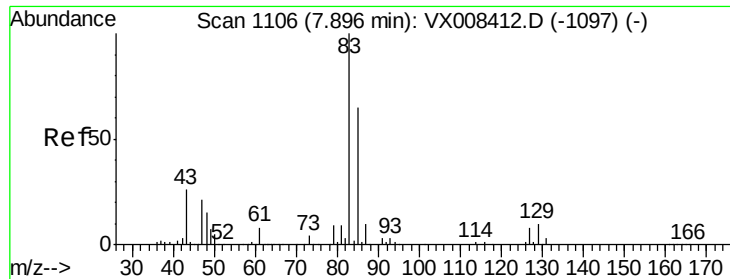
Tot Ion: 63 Resp: 135206
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7



#46
 Dibromomethane
 Concen: 47.538 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 93 Resp: 77278
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 96.1 76.0 114.0





#47

Bromodichloromethane

Concen: 49.786 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

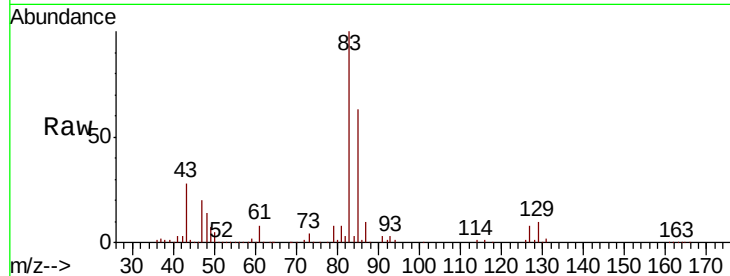
Tot Ion: 83 Resp: 154908

Ion Ratio Lower Upper

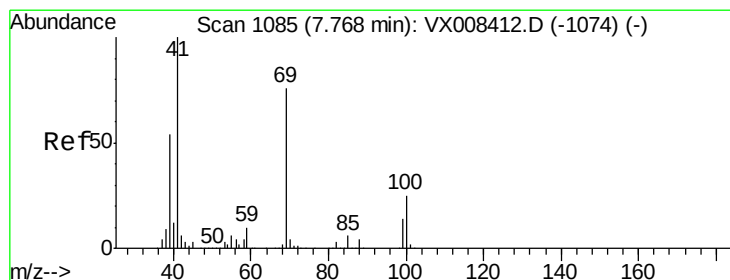
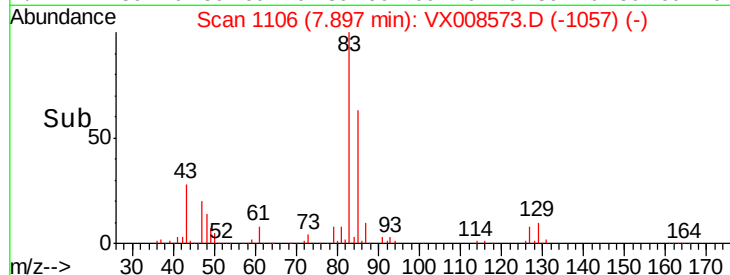
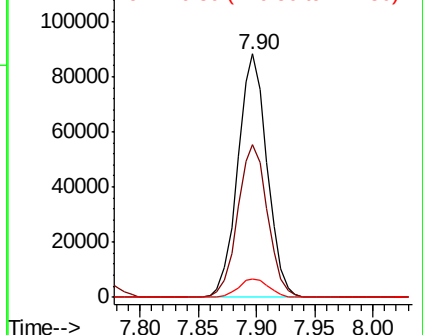
83 100

85 62.5 52.0 78.0

127 7.7 6.4 9.6



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



#48

Methyl methacrylate

Concen: 51.556 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

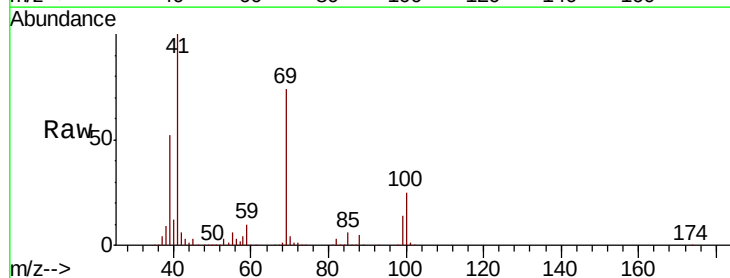
Tgt Ion: 41 Resp: 174870

Ion Ratio Lower Upper

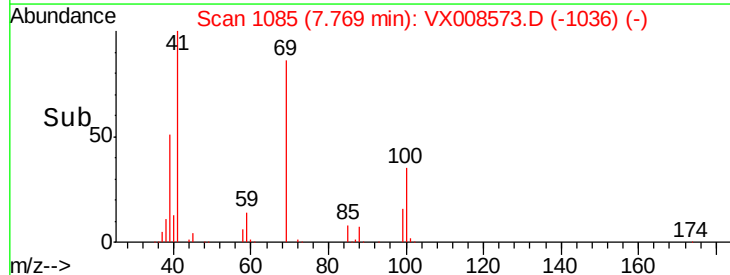
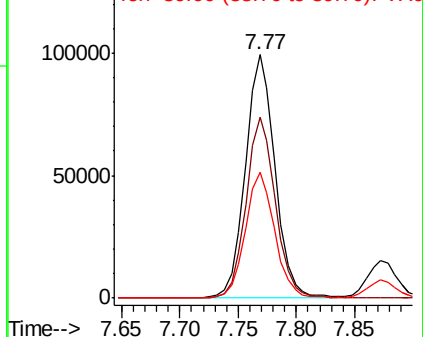
41 100

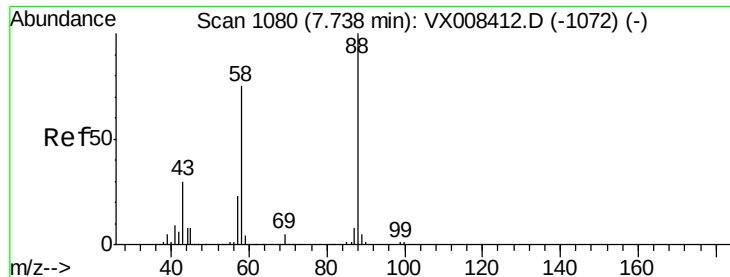
69 74.0 60.8 91.2

39 51.3 42.3 63.5



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

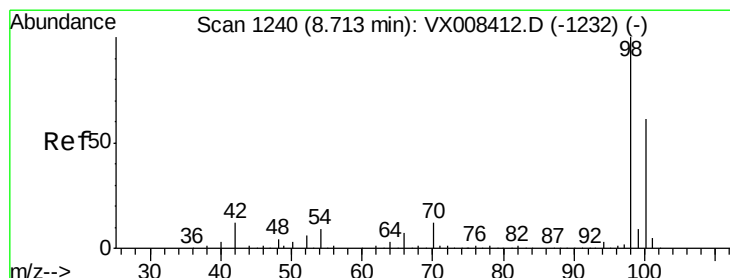
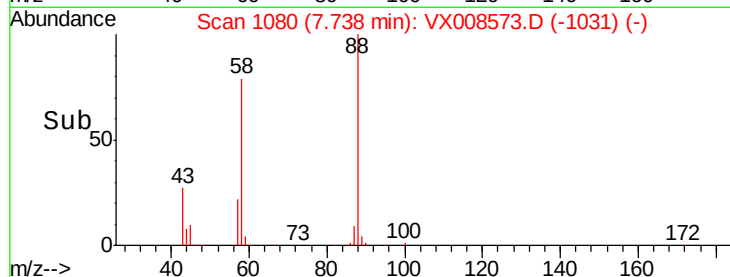
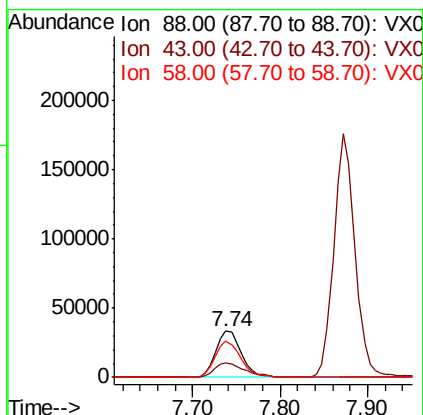
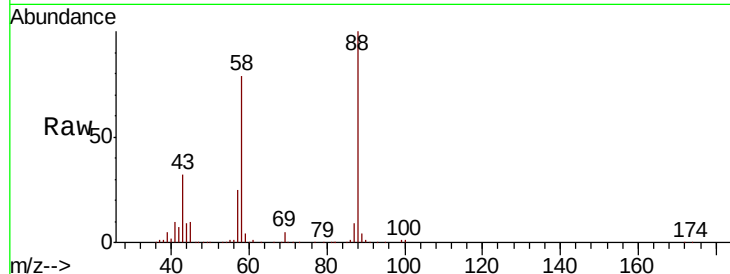




#49
1,4-Dioxane
Concen: 1004.293 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

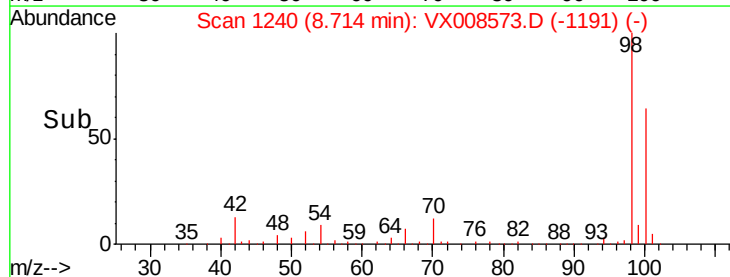
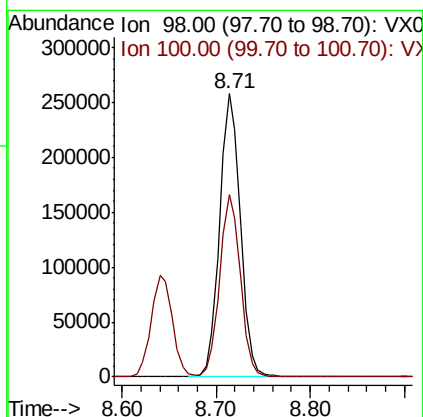
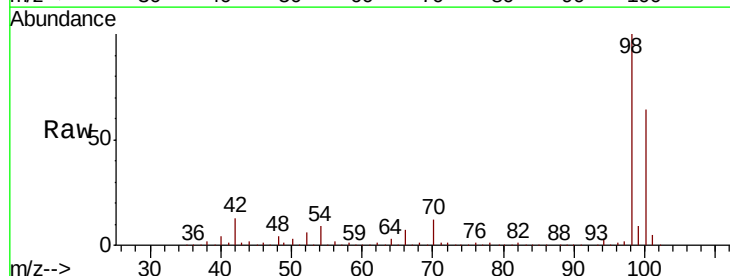
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

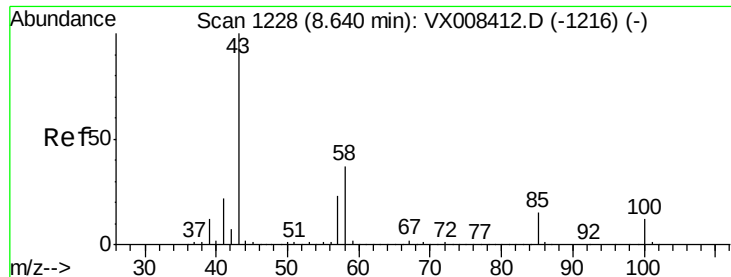
Tot Ion: 88 Resp: 67731
Ion Ratio Lower Upper
88 100
43 35.8 28.6 43.0
58 78.8 63.0 94.4



#50
Toluene-d8
Concen: 49.266 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion: 98 Resp: 394115
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 265.871 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

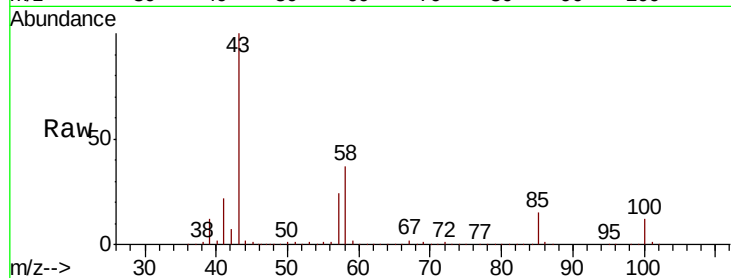
BP-VPB201R-GW-818-820MS

Tot Ion: 43 Resp: 1170602

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

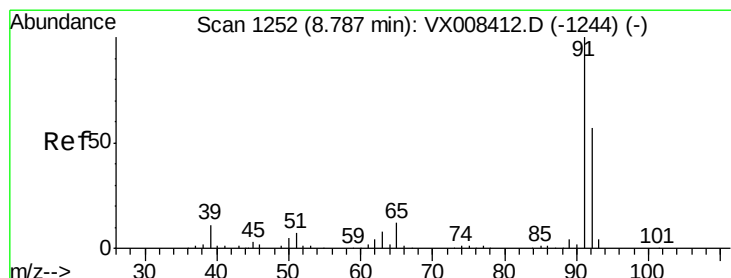
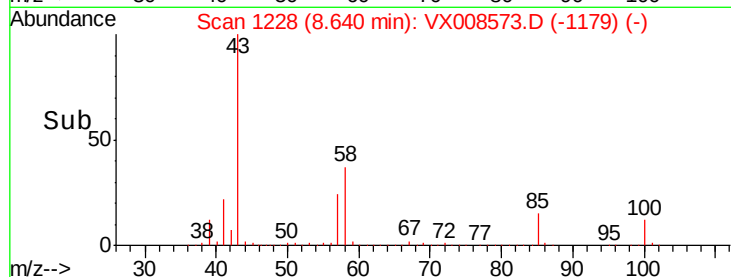
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.628 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008573.D

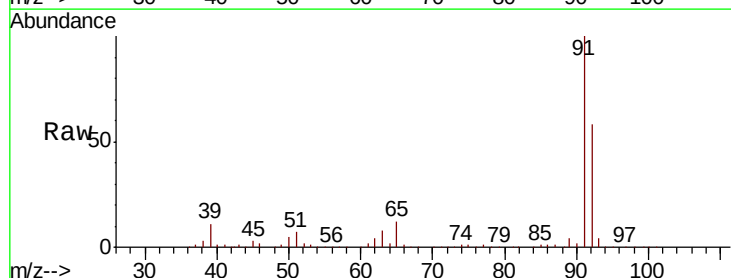
Acq: 01 Apr 2019 16:56

Tgt Ion: 92 Resp: 278909

Ion Ratio Lower Upper

92 100

91 172.9 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

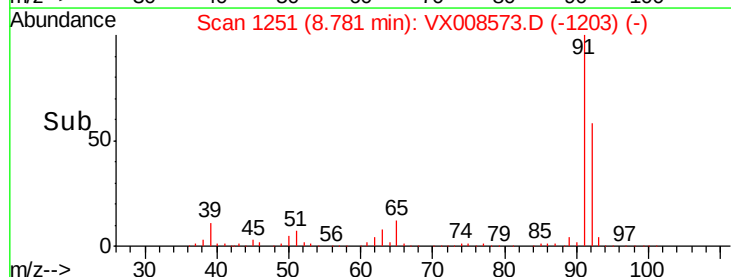
300000

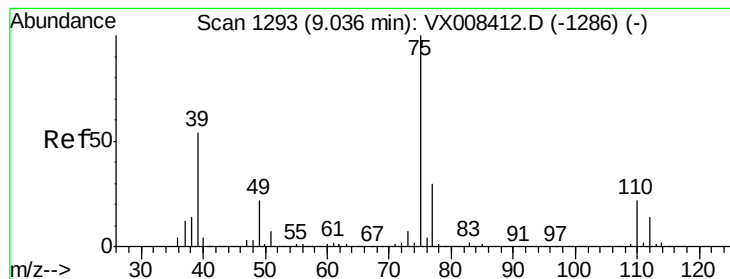
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.579 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

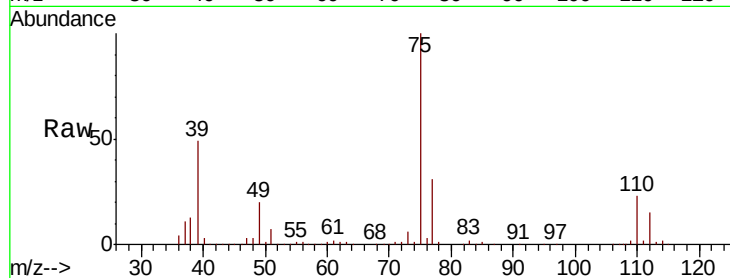
BP-VPB201R-GW-818-820MS

Tot Ion: 75 Resp: 175783

Ion Ratio Lower Upper

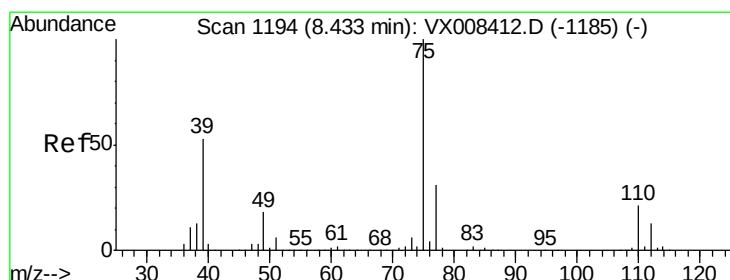
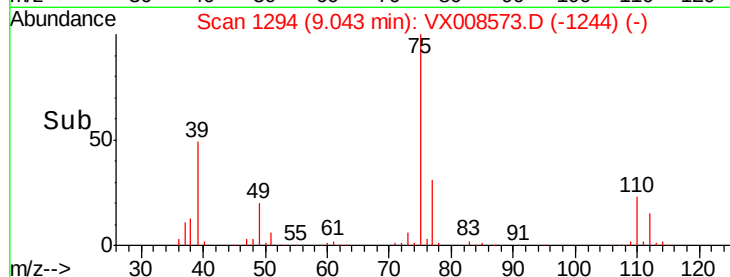
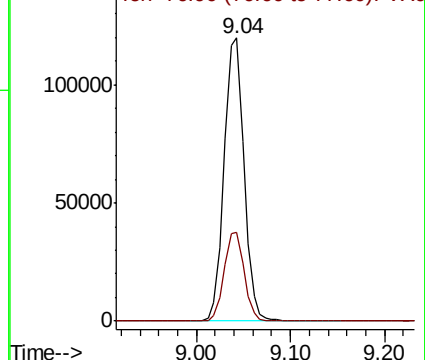
75 100

77 31.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 50.004 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

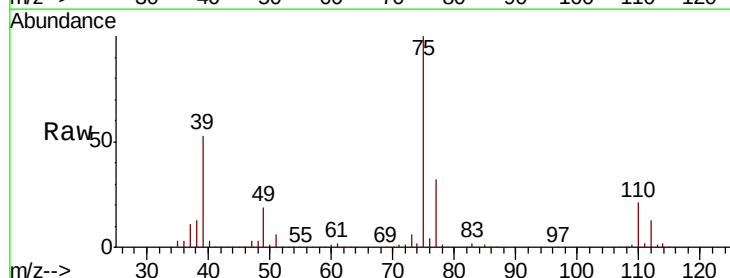
Tgt Ion: 75 Resp: 193783

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

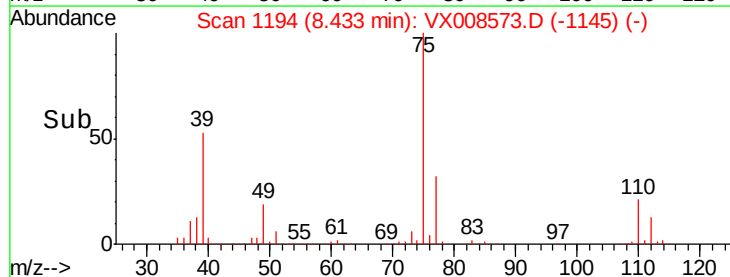
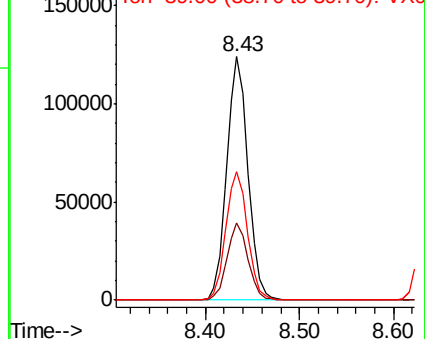
39 52.5 42.4 63.6

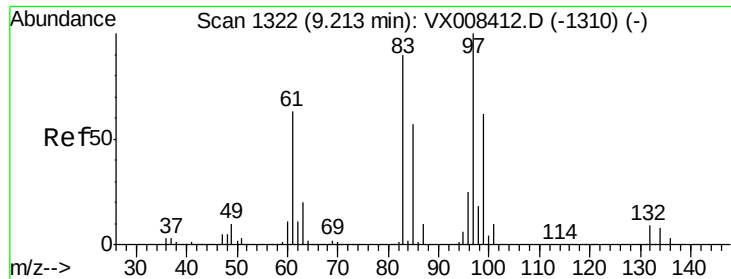


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

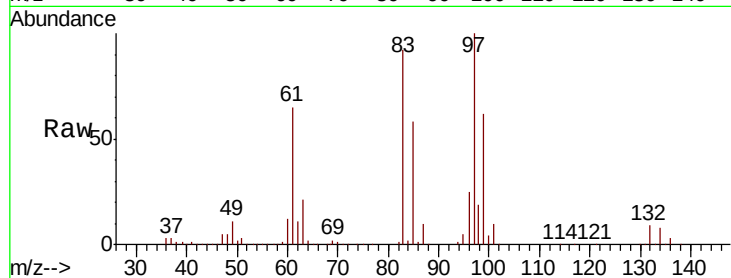




#55
 1,1,2-Trichloroethane
 Concen: 49.126 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

Tot Ion:	97	Resp:	117106
Ion	Ratio	Lower	Upper
97	100		
83	91.8	71.8	107.6
85	58.5	45.9	68.9
99	62.3	49.4	74.0



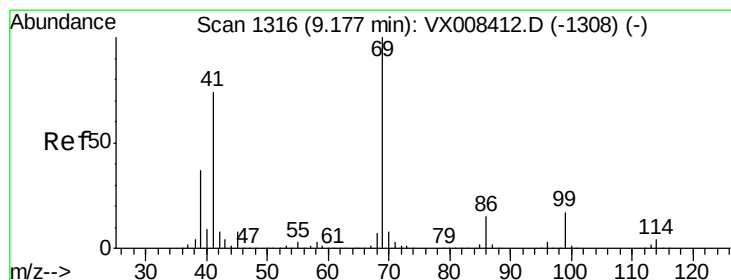
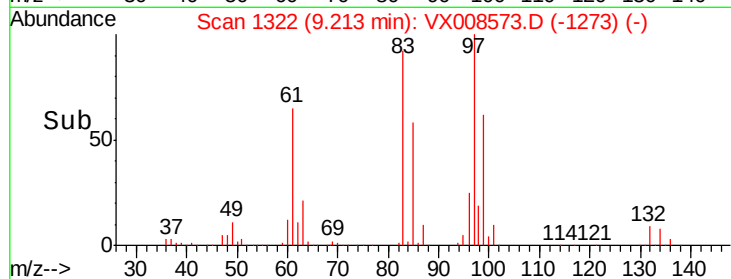
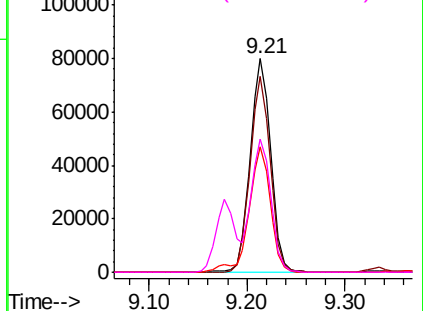
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

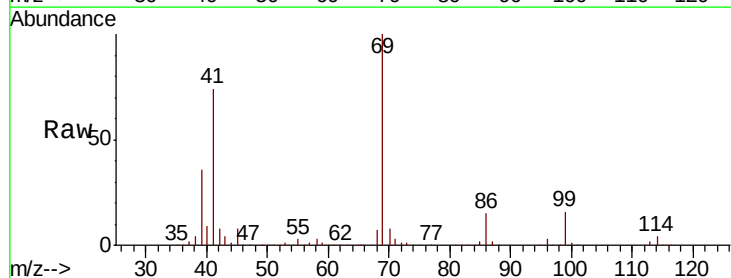
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 51.428 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion:	69	Resp:	221292
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.5	89.3
39	36.0	29.3	43.9

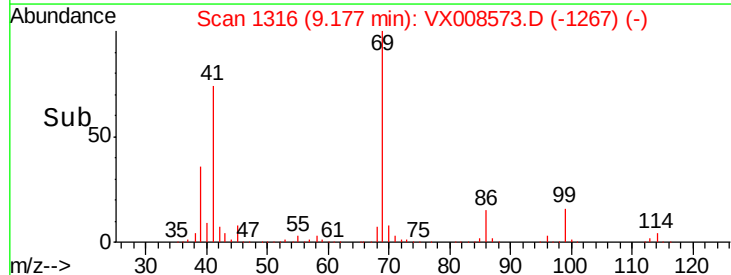
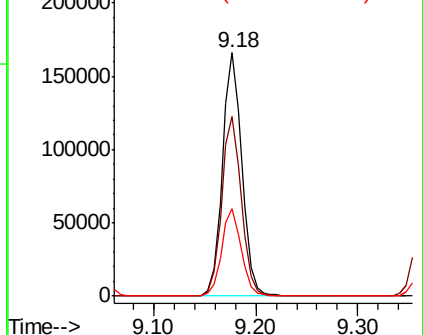


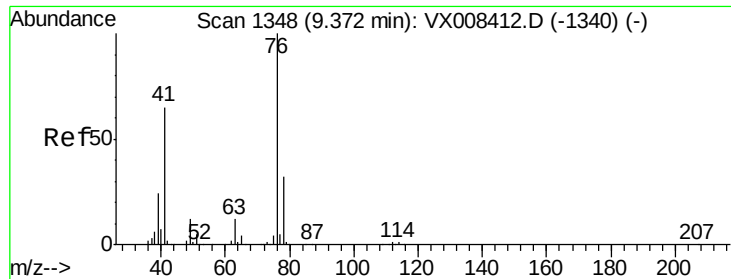
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

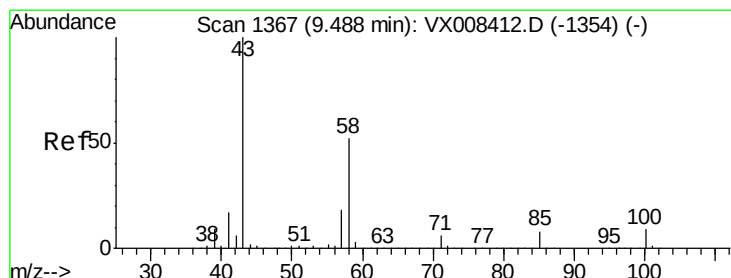
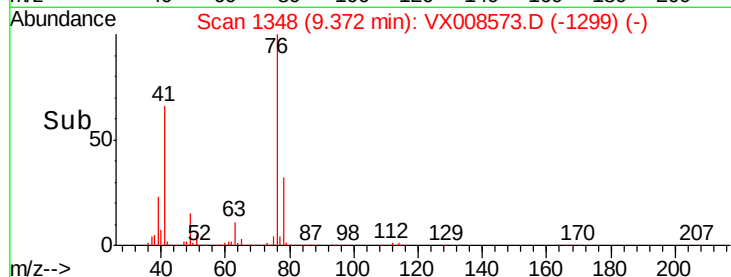
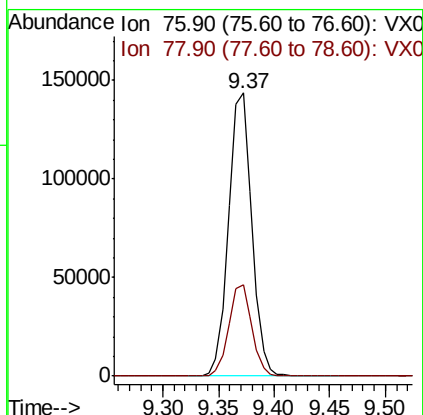
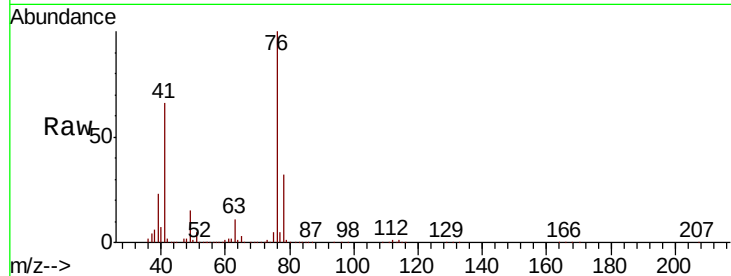




#57
 1,3-Dichloropropane
 Concen: 48.592 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

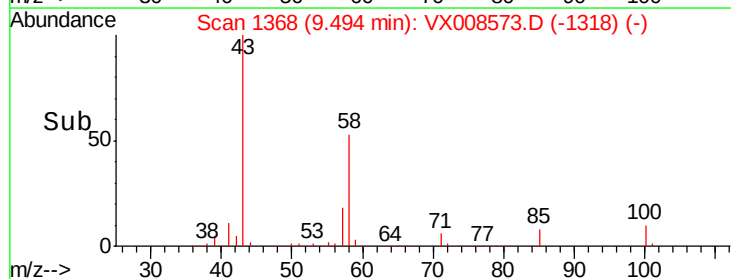
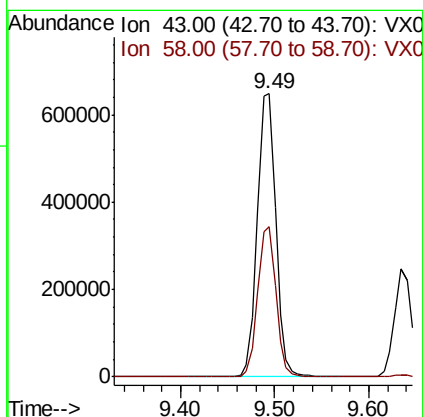
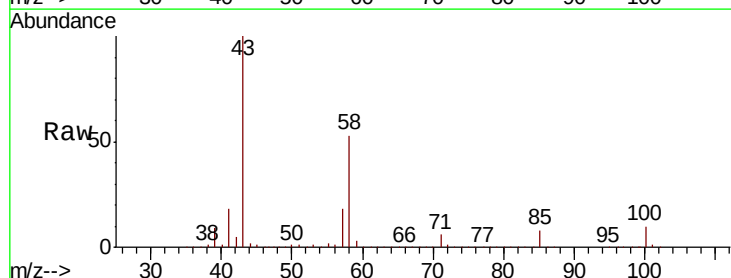
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

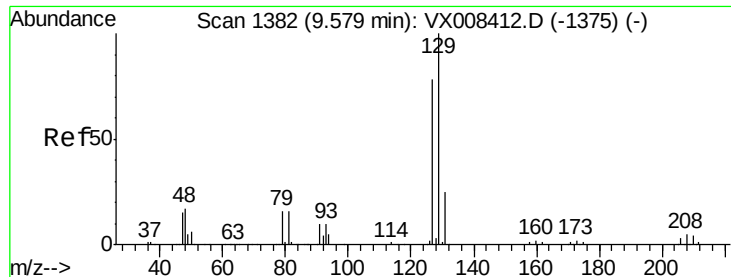
Tot Ion: 76 Resp: 207680
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#59
 2-Hexanone
 Concen: 261.676 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 43 Resp: 892737
 Ion Ratio Lower Upper
 43 100
 58 52.5 26.3 78.9





#60

Dibromochloromethane

Concen: 50.592 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

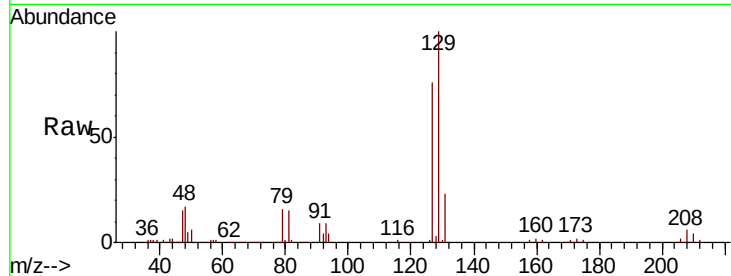
BP-VPB201R-GW-818-820MS

Tot Ion:129 Resp: 114693

Ion Ratio Lower Upper

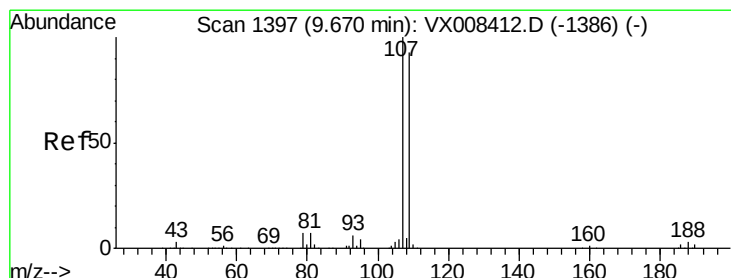
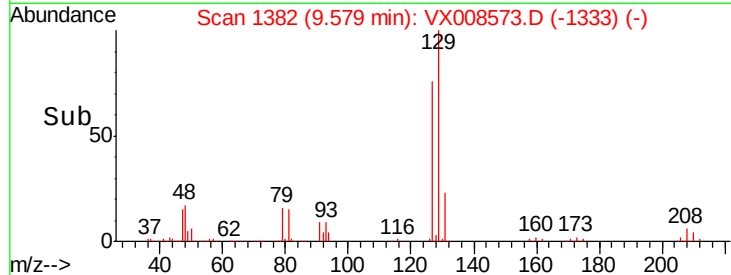
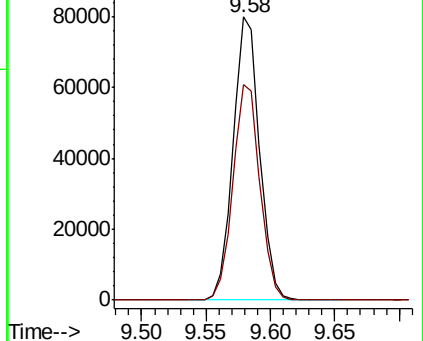
129 100

127 77.2 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.830 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008573.D

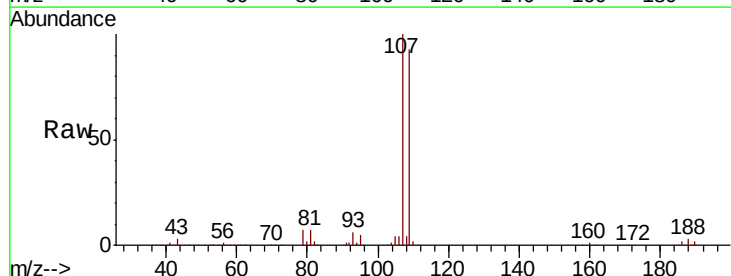
Acq: 01 Apr 2019 16:56

Tgt Ion:107 Resp: 118790

Ion Ratio Lower Upper

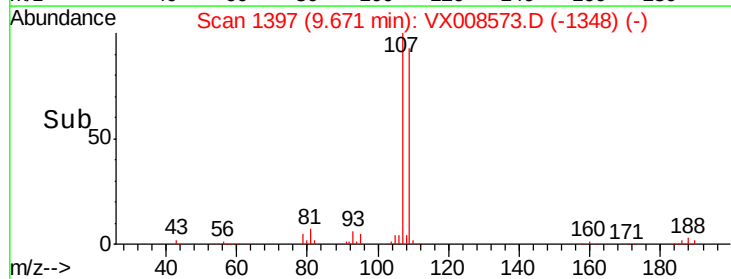
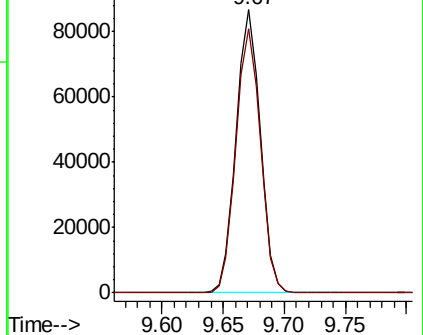
107 100

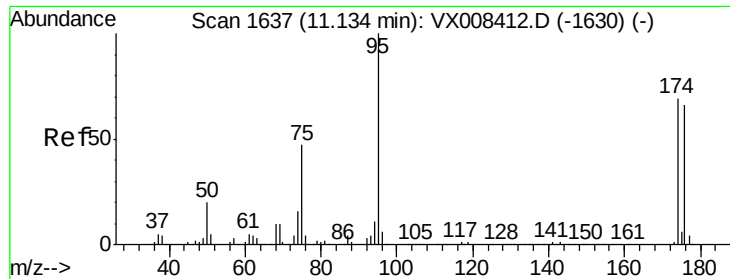
109 94.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.822 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

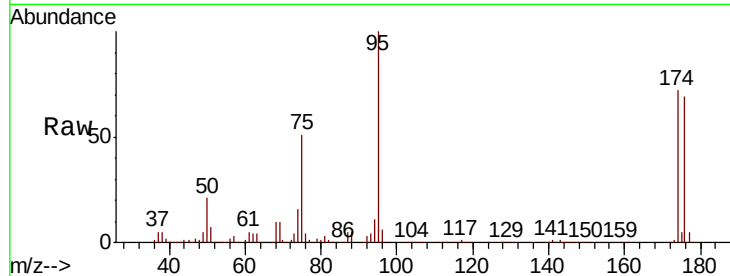
Tot Ion: 95 Resp: 147692

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.2

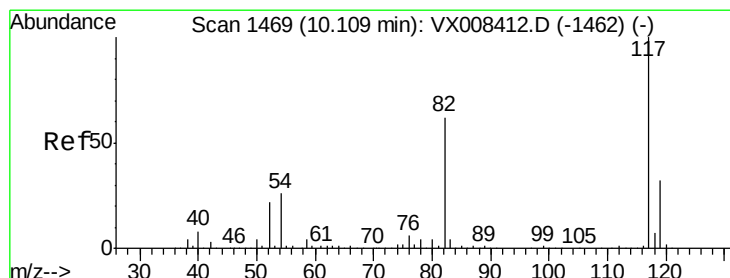
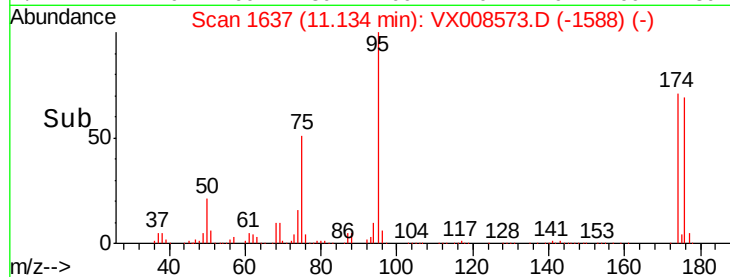
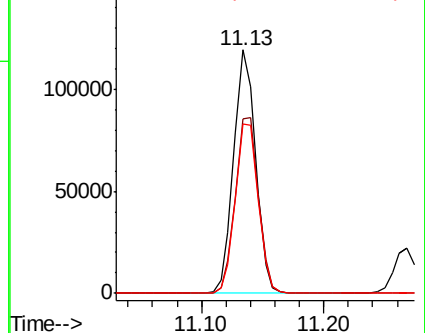
176 72.9 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

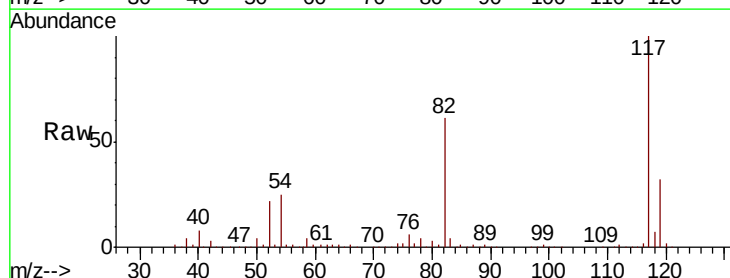
Tgt Ion: 117 Resp: 277973

Ion Ratio Lower Upper

117 100

82 61.4 49.4 74.2

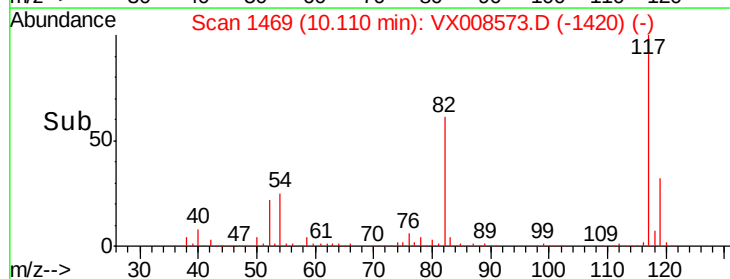
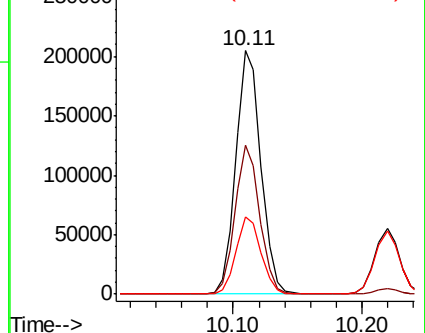
119 31.6 25.4 38.0

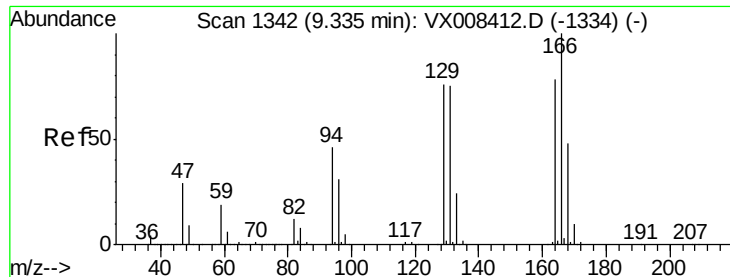


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 45.694 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

Tot Ion:164 Resp: 85990

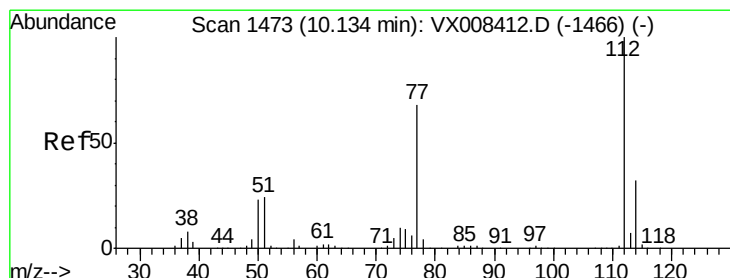
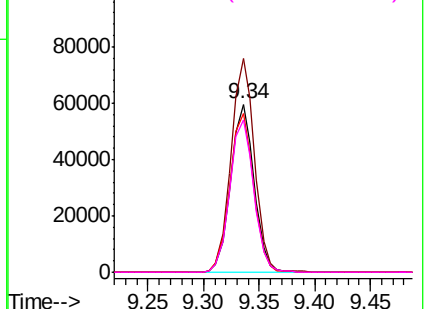
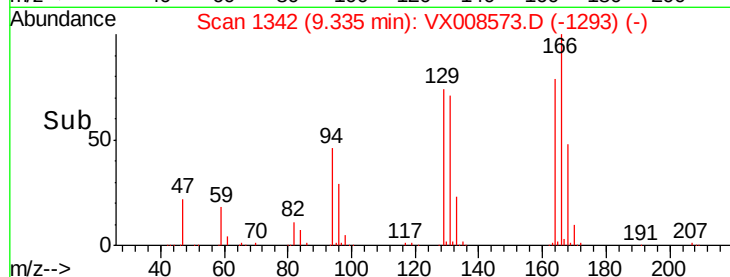
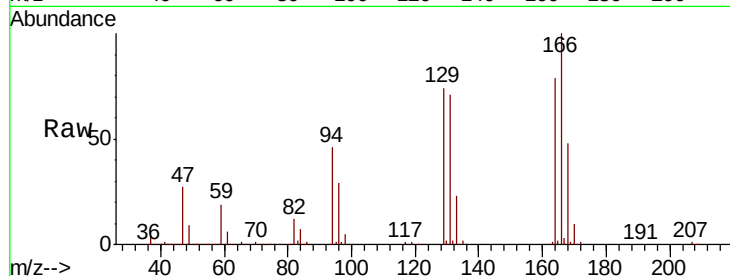
Ion Ratio Lower Upper

164 100

166 127.4 102.5 153.7

129 94.8 77.8 116.8

131 90.8 76.9 115.3



#65

Chlorobenzene

Concen: 47.166 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008573.D

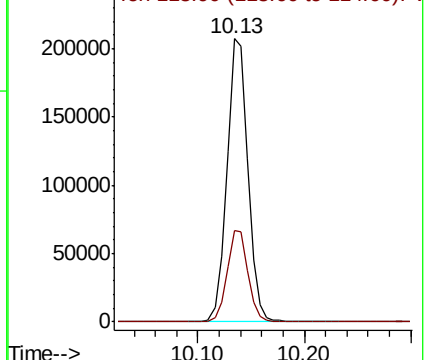
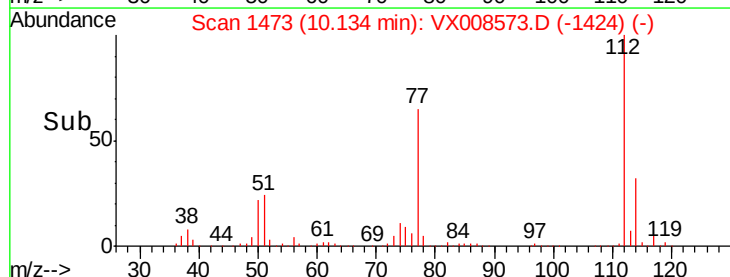
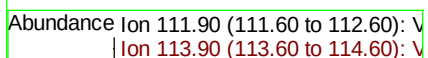
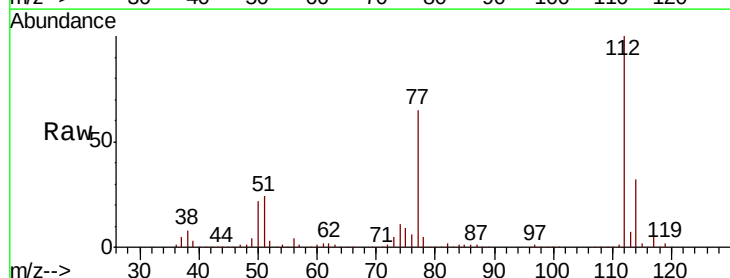
Acq: 01 Apr 2019 16:56

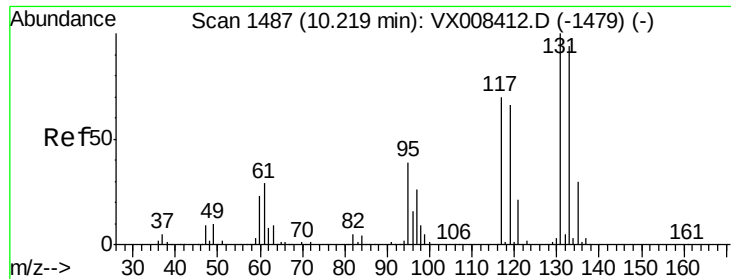
Tgt Ion:112 Resp: 285124

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2

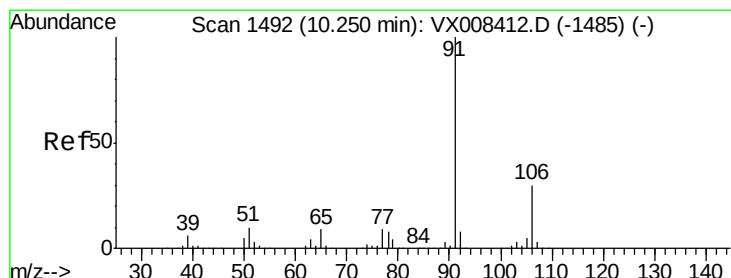
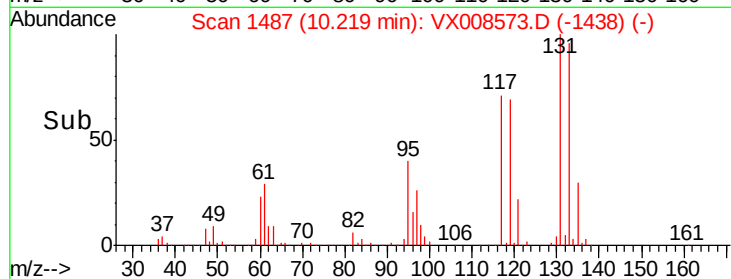
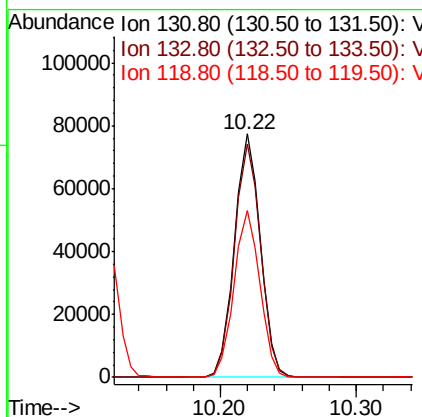
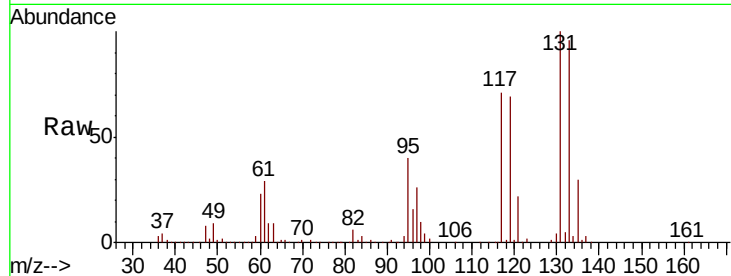




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.353 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

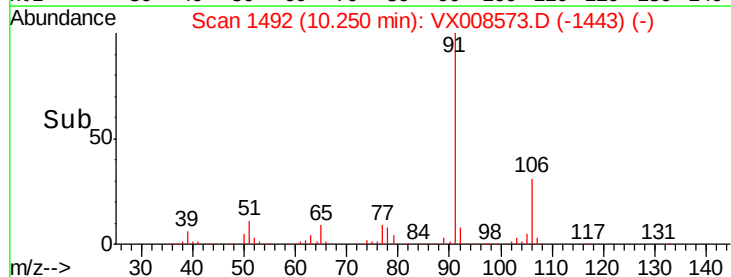
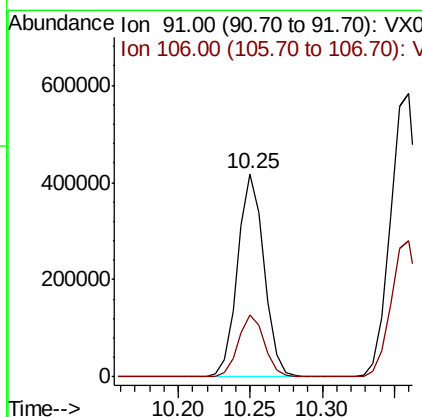
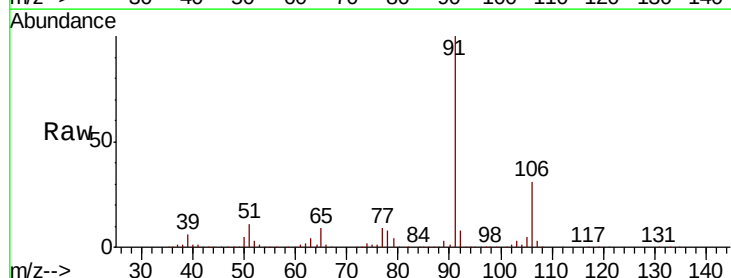
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

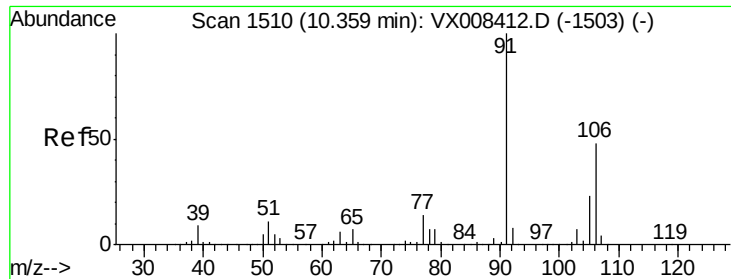
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.8
119	68.4	33.6	100.6



#67
 Ethyl Benzene
 Concen: 46.795 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.0	36.0

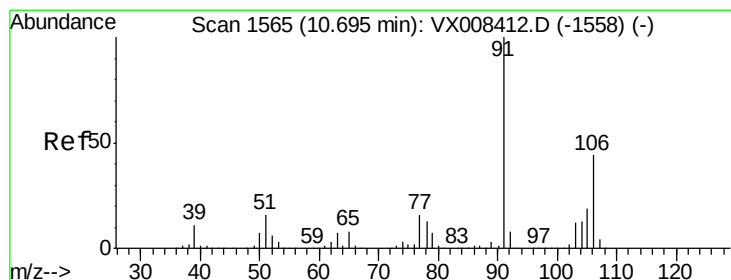
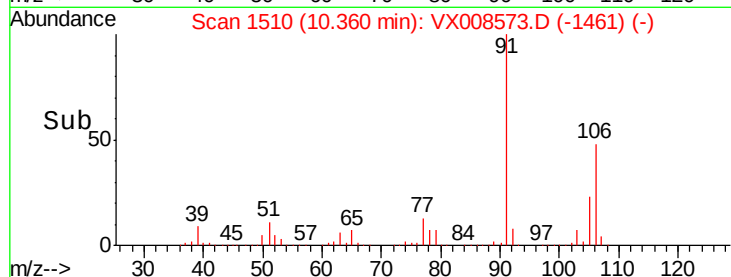
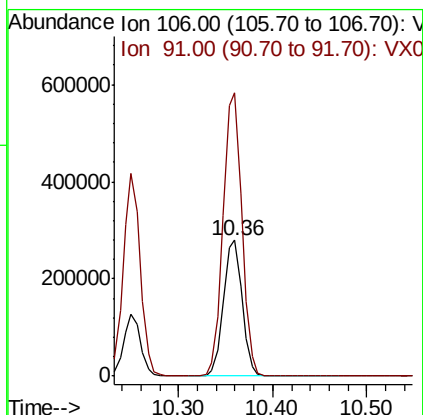
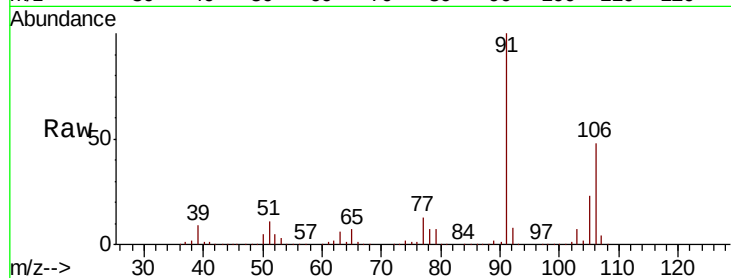




#68
m/p-Xylenes
Concen: 92.494 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

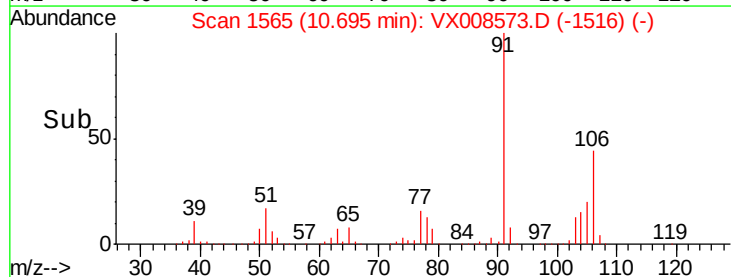
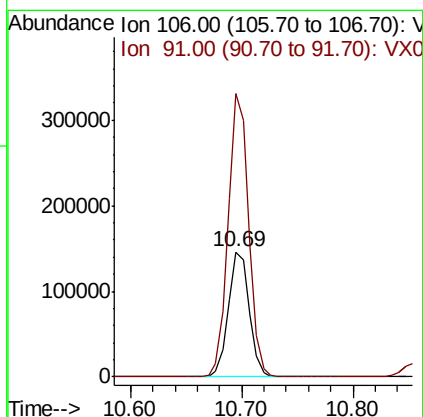
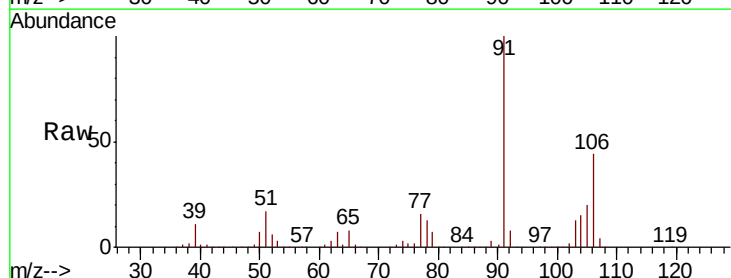
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

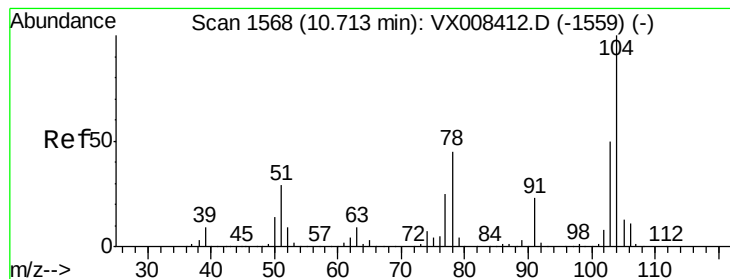
Tot Ion:106 Resp: 383895
Ion Ratio Lower Upper
106 100
91 210.1 168.6 253.0



#69
o-Xylene
Concen: 46.983 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion:106 Resp: 189236
Ion Ratio Lower Upper
106 100
91 222.3 111.4 334.2





#70

Stvrene

Concen: 47.294 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

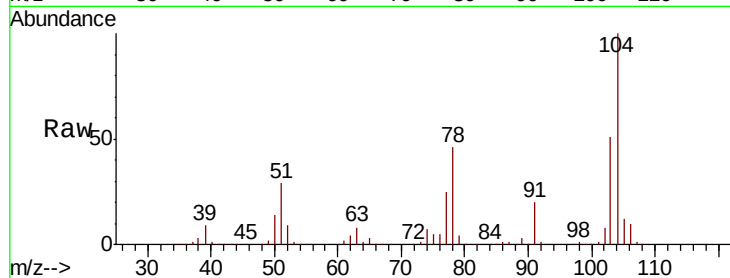
Tot Ion:104 Resp: 329041

Ion Ratio Lower Upper

104 100

78 53.2 42.5 63.7

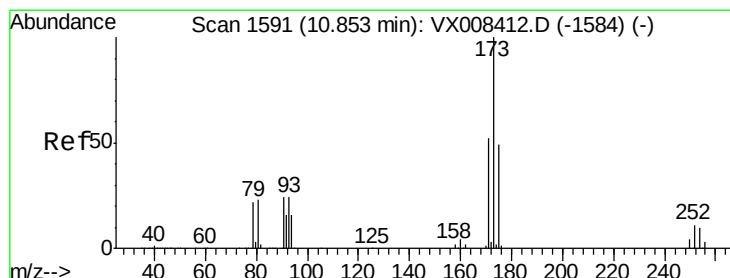
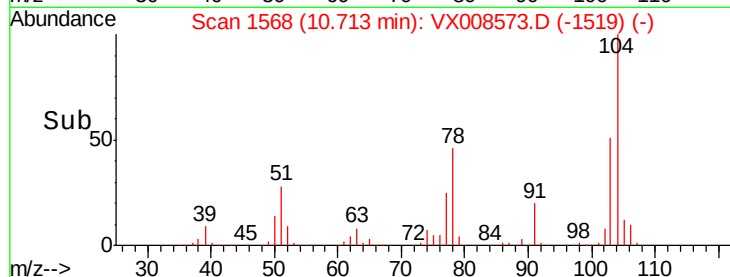
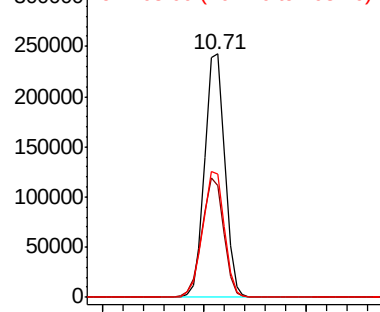
103 55.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.399 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

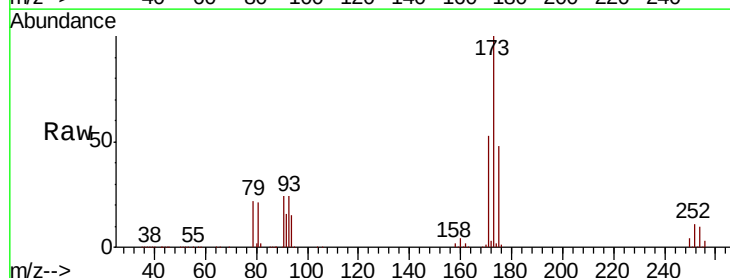
Tgt Ion:173 Resp: 84657

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

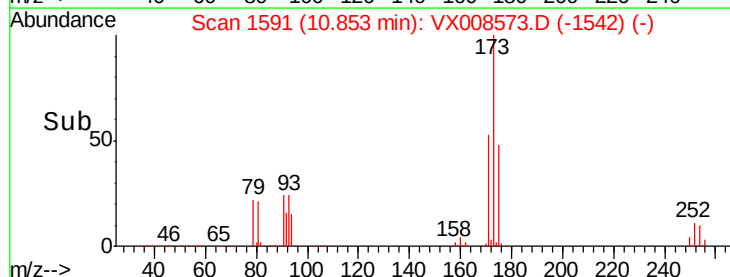
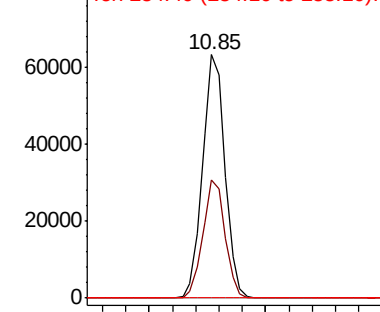
254 0.1 0.2 0.2#

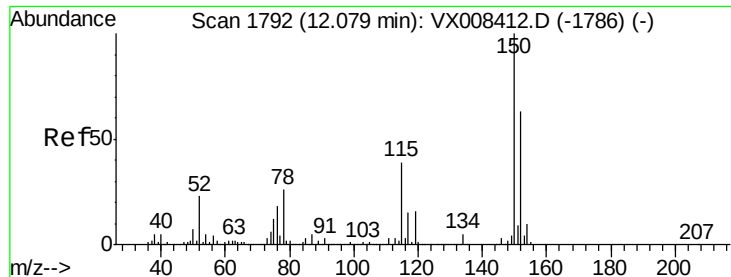


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

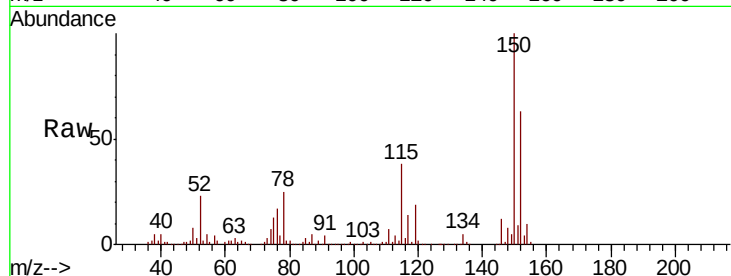
Tot Ion:152 Resp: 127429

Ion Ratio Lower Upper

152 100

115 85.5 43.5 130.5

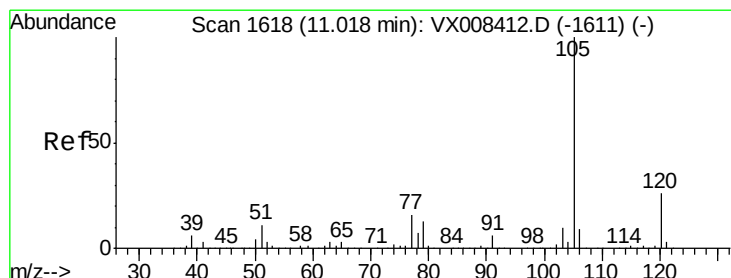
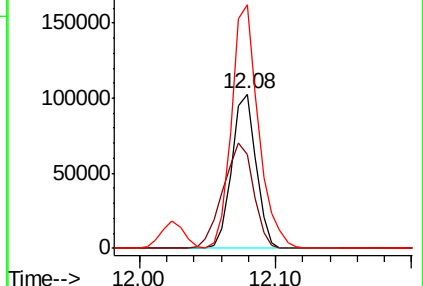
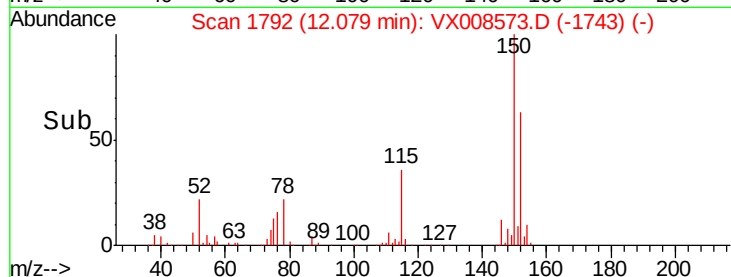
150 174.8 0.0 348.8



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: 48.218 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008573.D

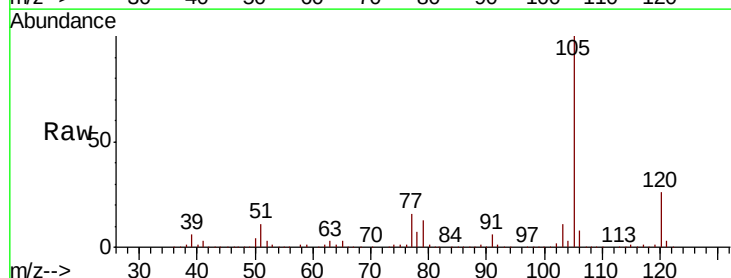
Acq: 01 Apr 2019 16:56

Tgt Ion:105 Resp: 499871

Ion Ratio Lower Upper

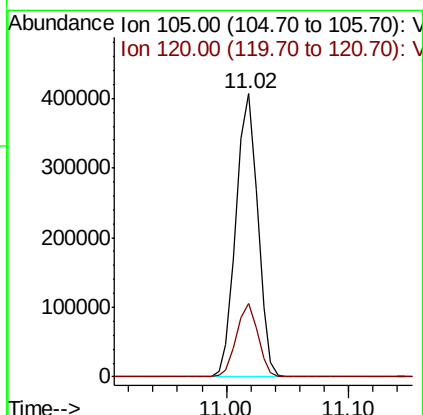
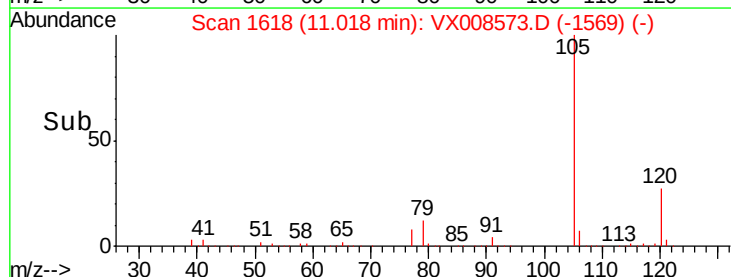
105 100

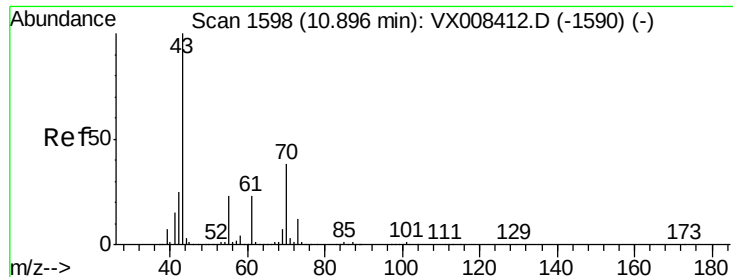
120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.866 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

Tot Ion: 43 Resp: 305220

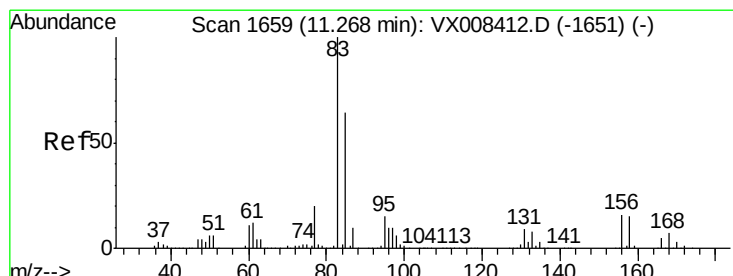
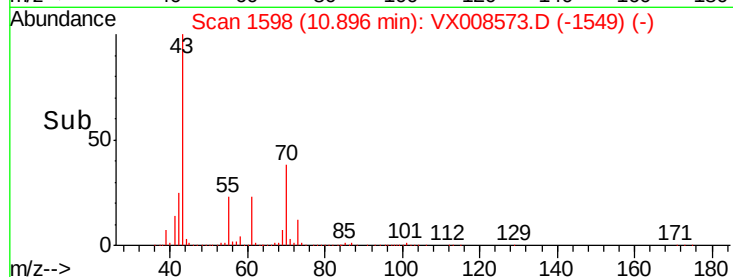
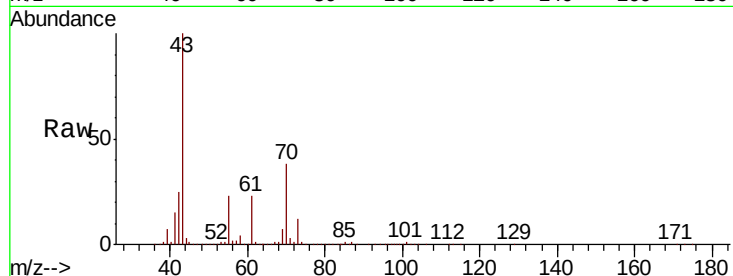
Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.5	45.7
55	23.1	18.2	27.2
61	23.0	18.4	27.6

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: 48.804 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

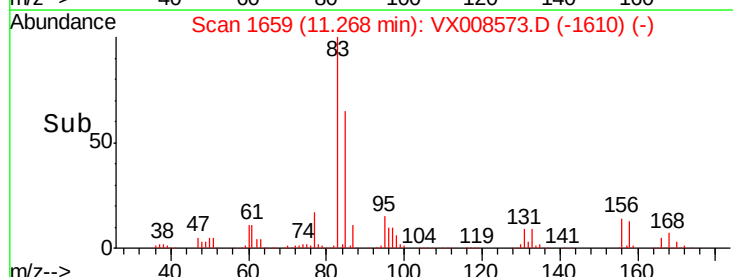
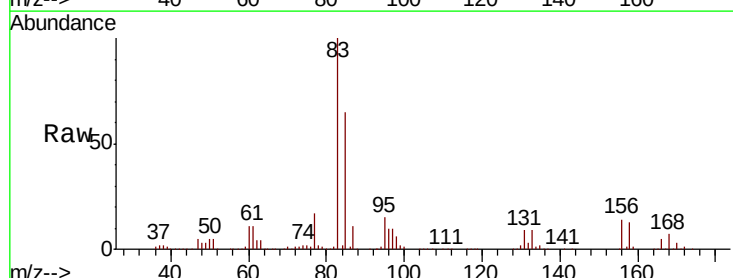
Tgt Ion: 83 Resp: 196306

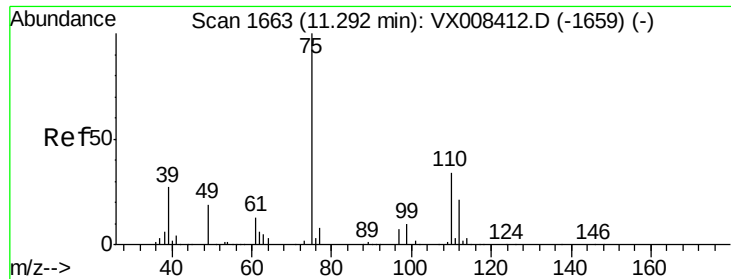
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.4	31.9	95.9

Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

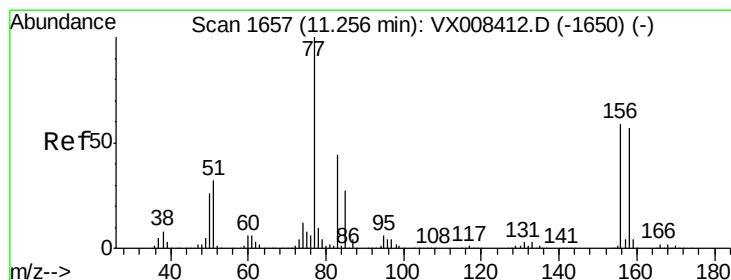
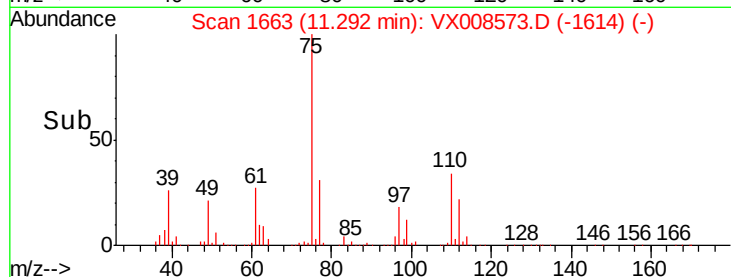
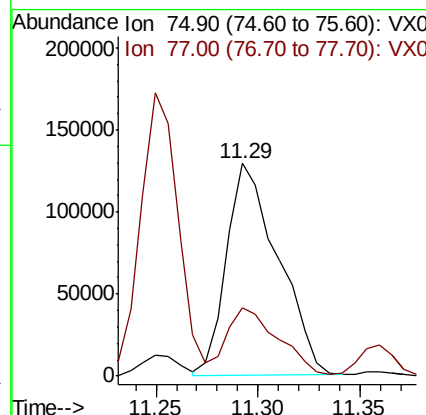
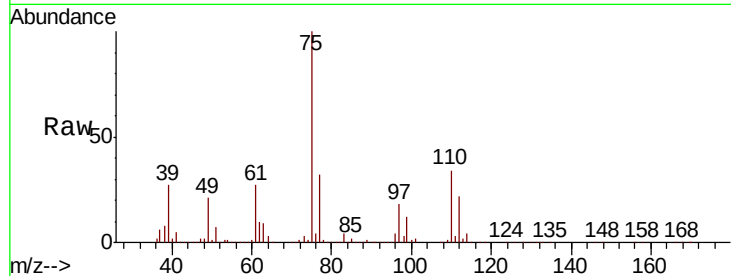




#76
 1,2,3-Trichloropropane
 Concen: 59.695 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

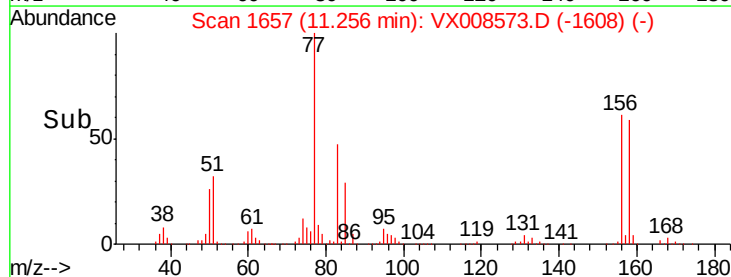
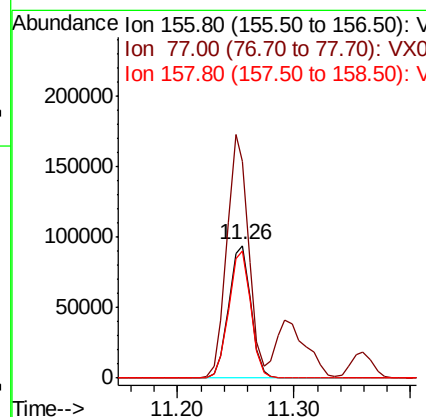
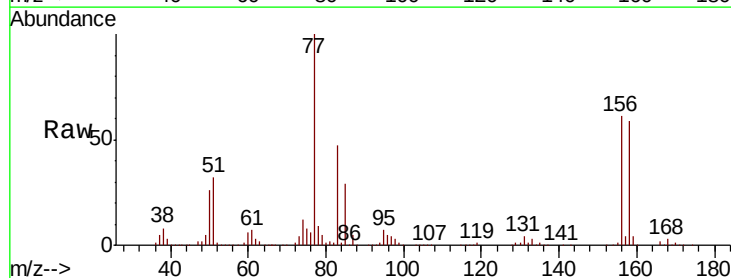
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

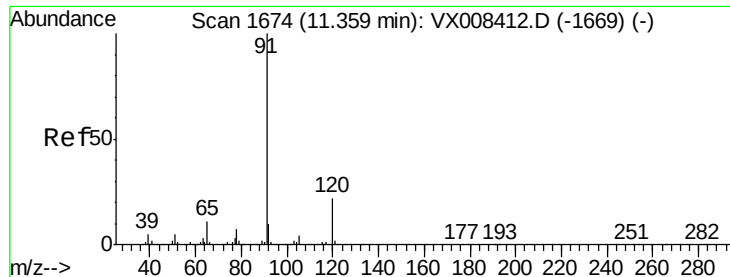
Tot Ion: 75 Resp: 226145
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.9 65.7



#77
 Bromobenzene
 Concen: 48.563 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 156 Resp: 122188
 Ion Ratio Lower Upper
 156 100
 77 180.5 91.1 273.3
 158 96.1 48.3 144.8





#78

n-propylbenzene

Concen: 48.170 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

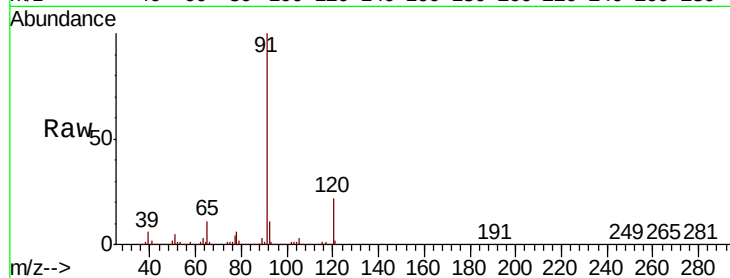
BP-VPB201R-GW-818-820MS

Tot Ion: 91 Resp: 584993

Ion Ratio Lower Upper

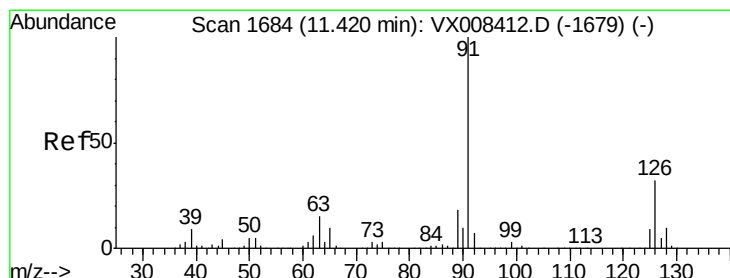
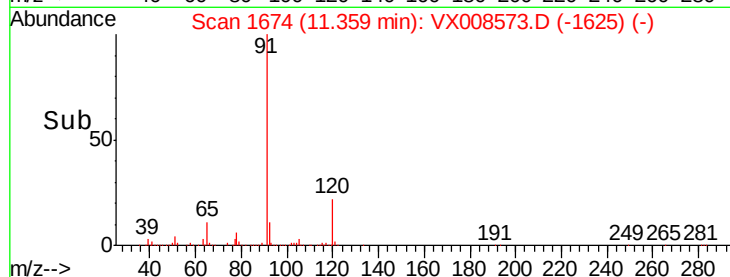
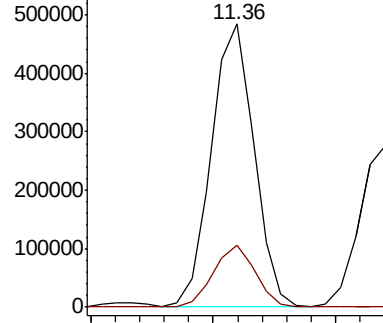
91 100

120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 47.196 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008573.D

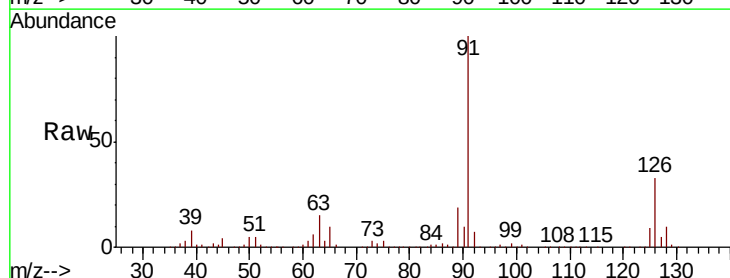
Acq: 01 Apr 2019 16:56

Tgt Ion: 91 Resp: 348614

Ion Ratio Lower Upper

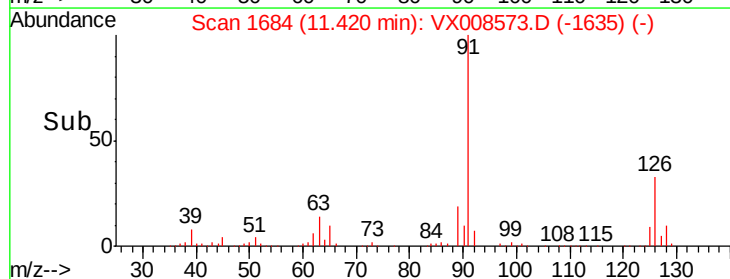
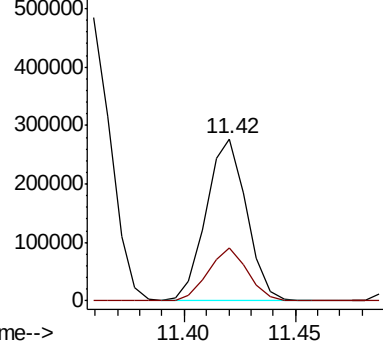
91 100

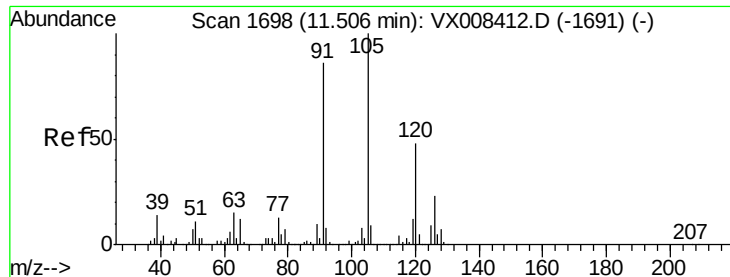
126 32.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 47.928 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

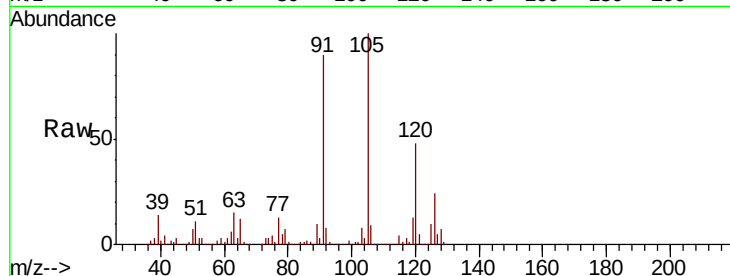
BP-VPB201R-GW-818-820MS

Tot Ion:105 Resp: 420062

Ion Ratio Lower Upper

105 100

120 47.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

400000

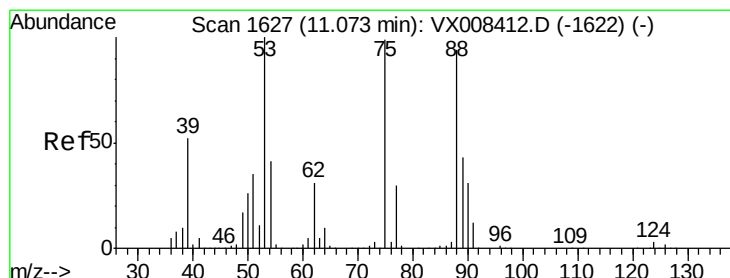
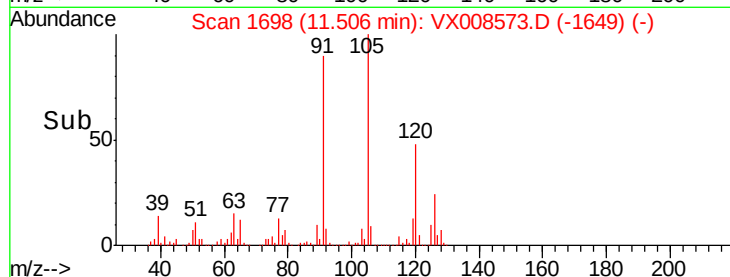
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#81

trans-1,4-Dichloro-2-butene

Concen: 53.357 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

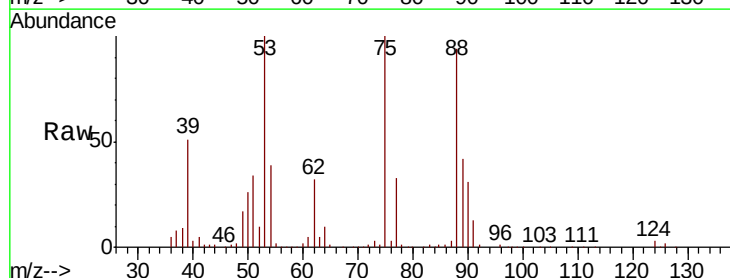
Tgt Ion: 75 Resp: 63111

Ion Ratio Lower Upper

75 100

53 102.2 82.1 123.1

89 42.9 34.6 52.0



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

80000

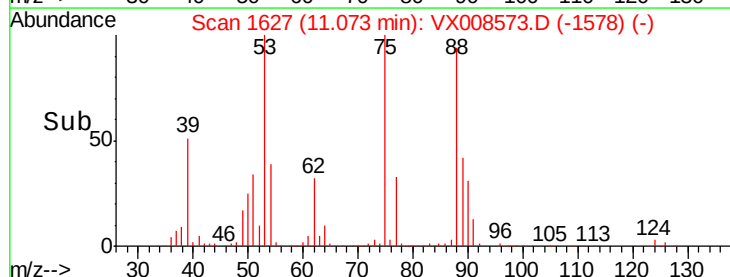
60000

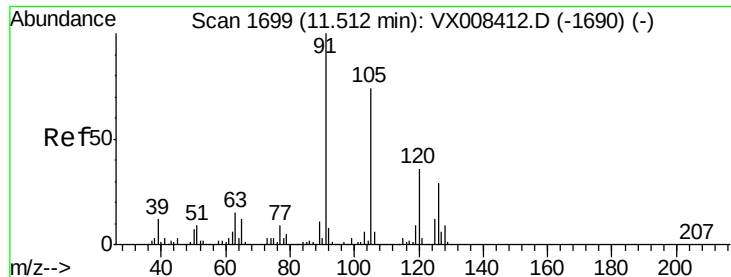
40000

20000

0

Time--> 11.05 11.10





#82

4-Chlorotoluene

Concen: 47.499 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

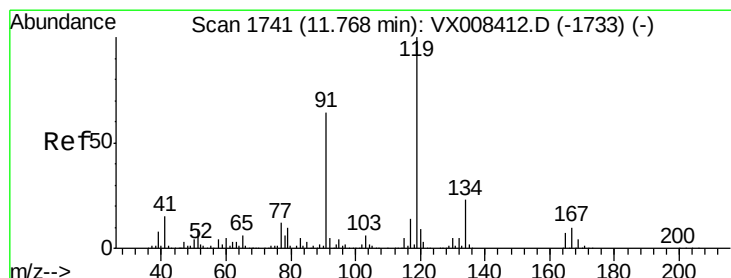
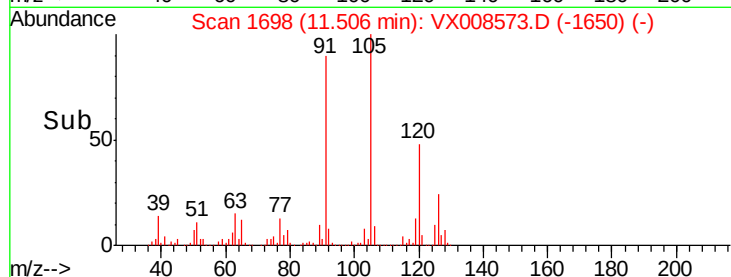
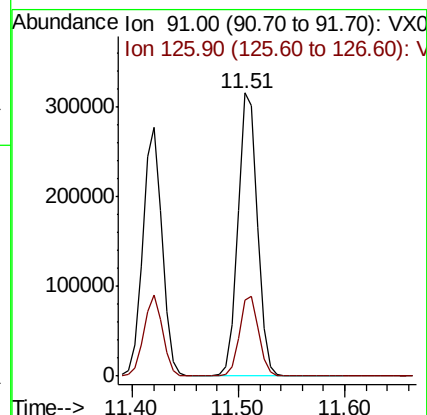
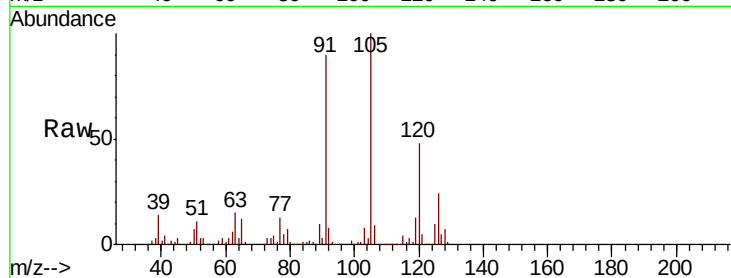
BP-VPB201R-GW-818-820MS

Tot Ion: 91 Resp: 404706

Ion Ratio Lower Upper

91 100

126 27.9 13.9 41.7



#83

tert-Butylbenzene

Concen: 48.247 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

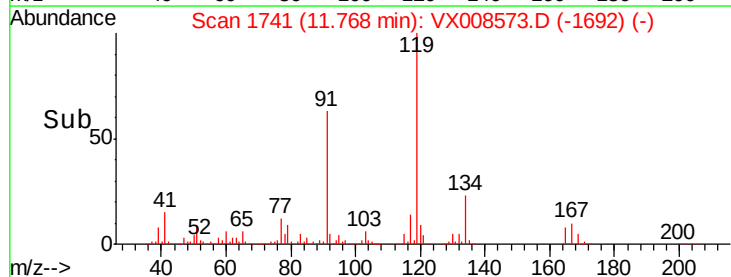
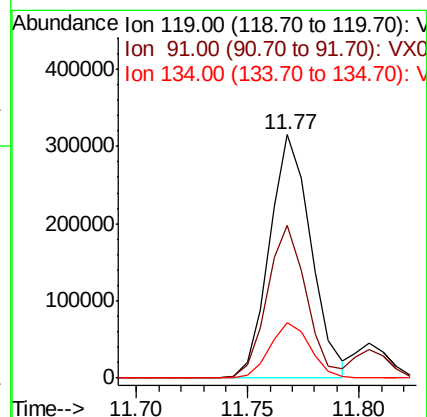
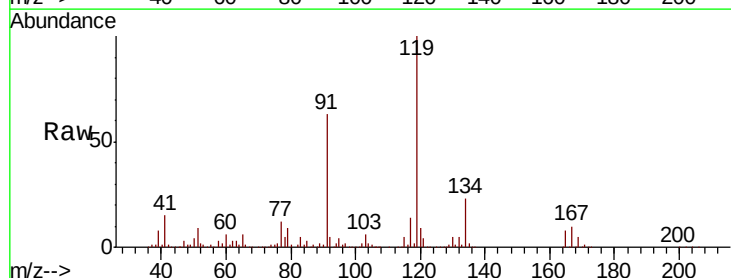
Tgt Ion: 119 Resp: 407974

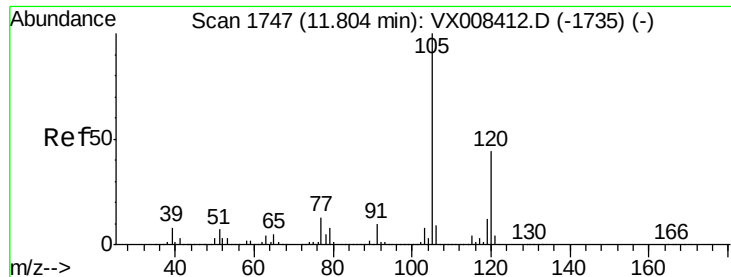
Ion Ratio Lower Upper

119 100

91 59.6 30.1 90.3

134 22.2 10.9 32.9

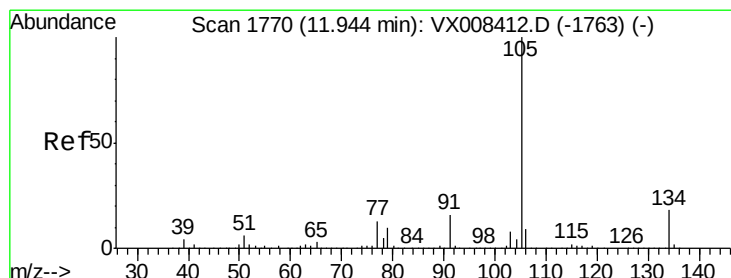
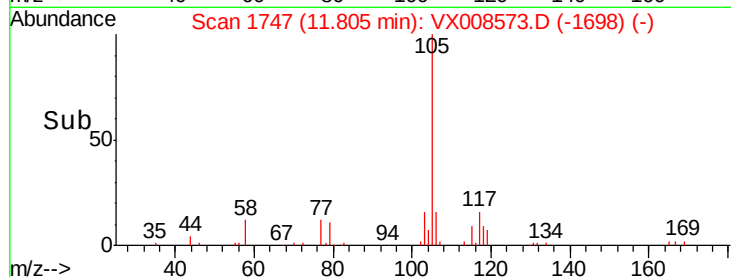
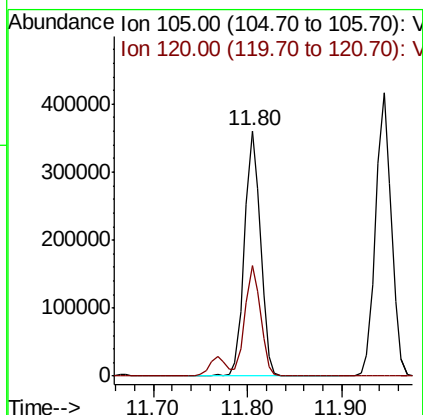
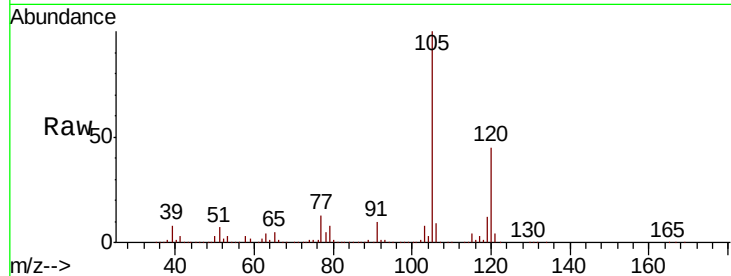




#84
 1,2,4-Trimethylbenzene
 Concen: 48.209 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

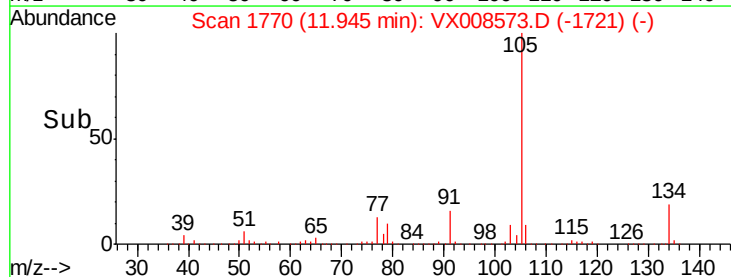
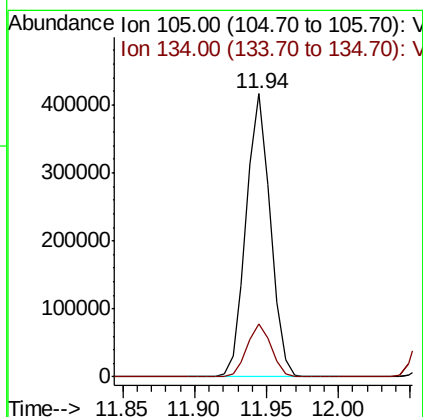
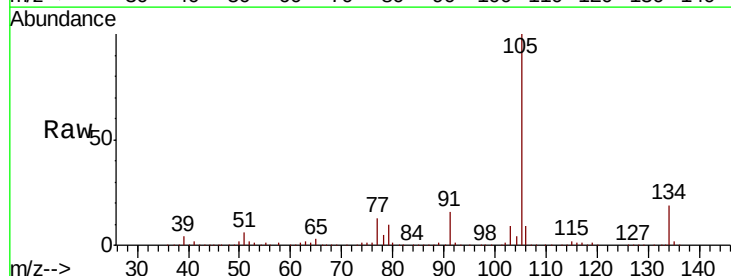
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

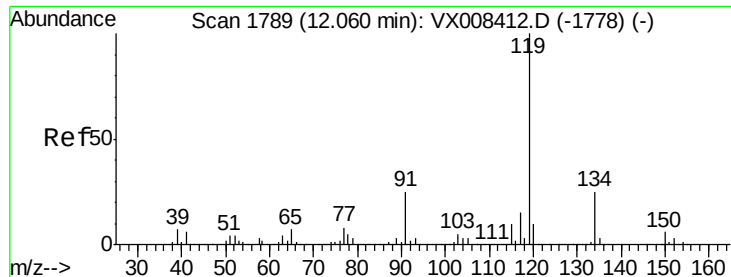
Tot Ion:105 Resp: 427368
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 65.0



#85
 sec-Butylbenzene
 Concen: 48.005 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion:105 Resp: 483402
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.3 28.0

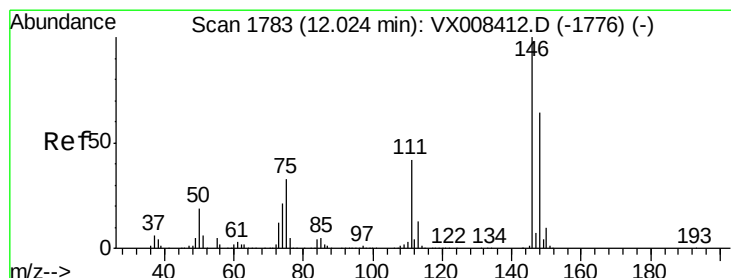
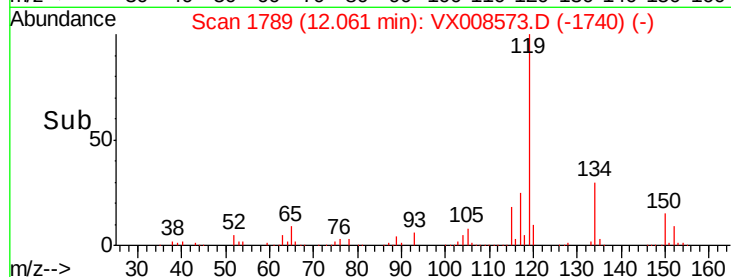
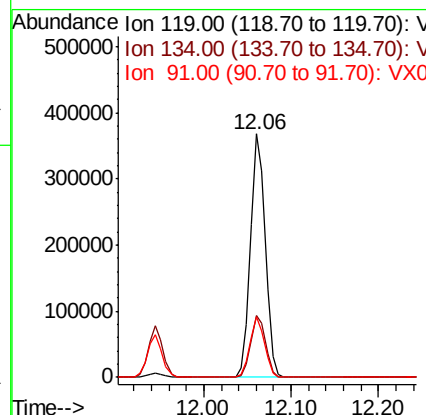
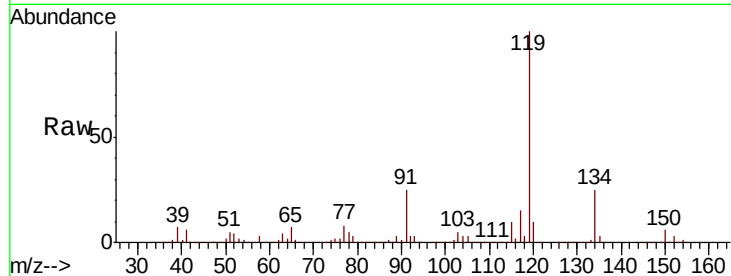




#86
 p-Isopropyltoluene
 Concen: 48.645 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

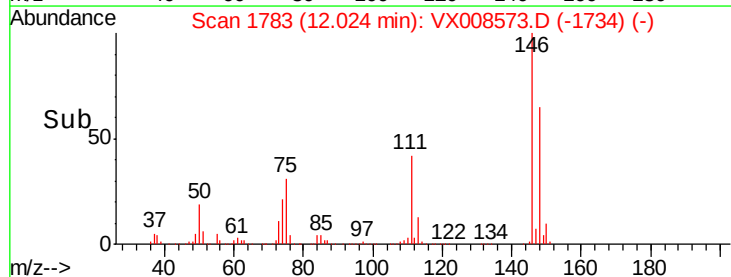
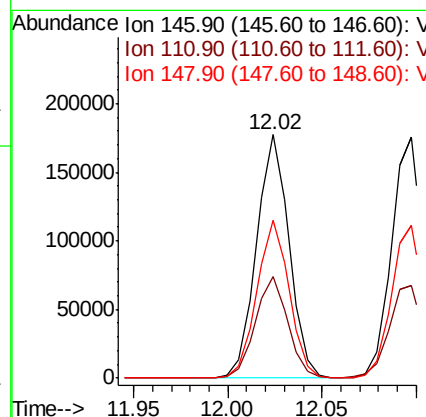
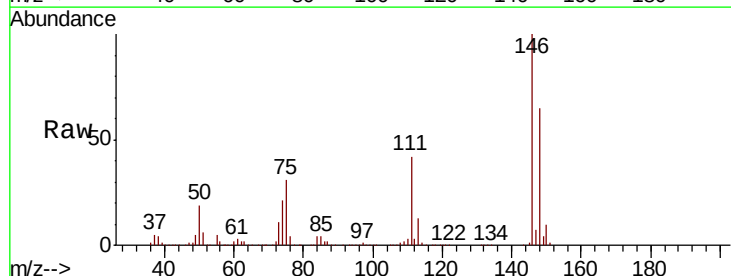
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

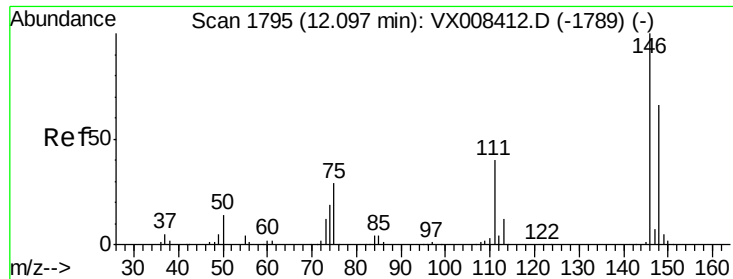
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.4
91	24.4	12.4	37.0



#87
 1,3-Dichlorobenzene
 Concen: 47.233 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	64.3	32.0	96.0

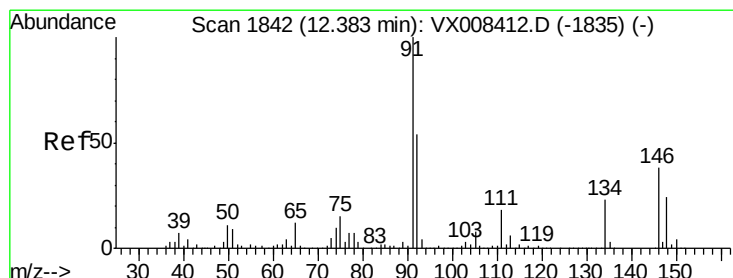
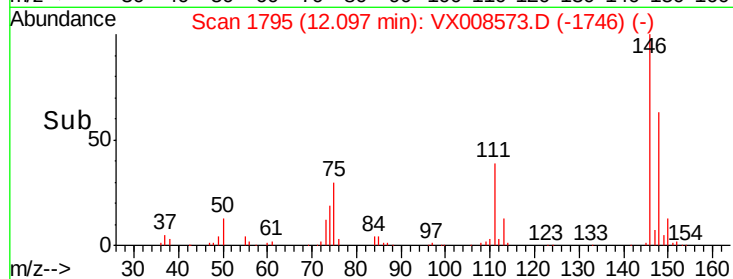
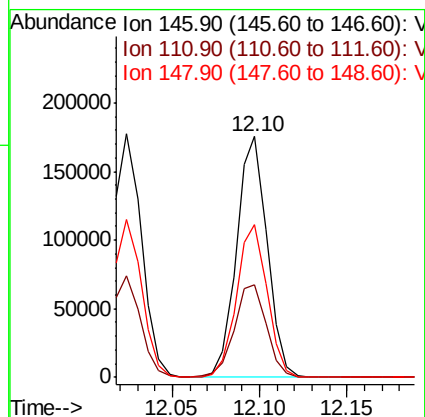
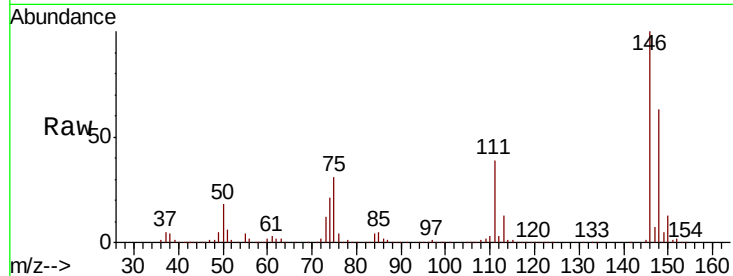




#88
 1,4-Dichlorobenzene
 Concen: 46.862 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

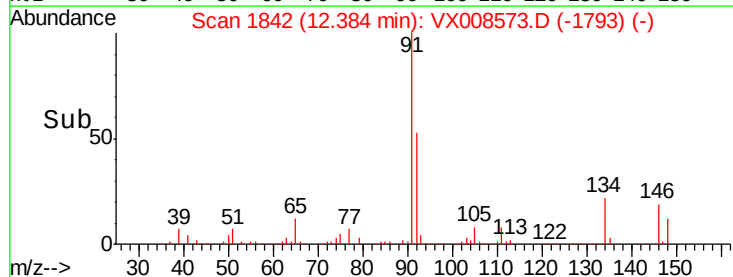
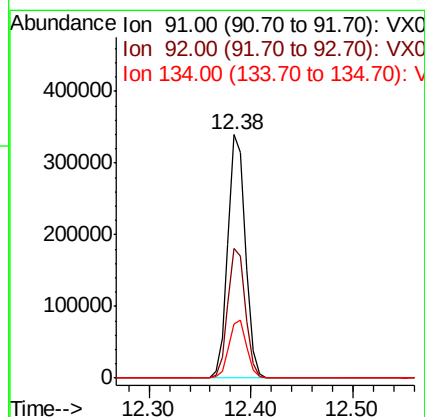
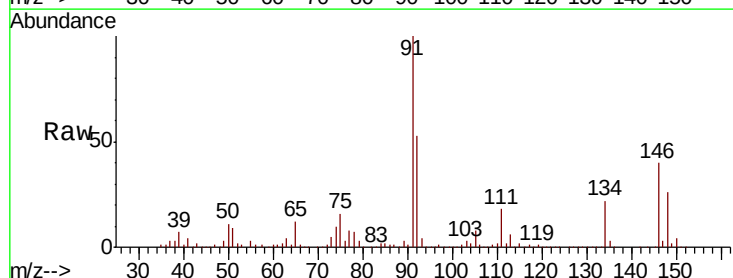
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

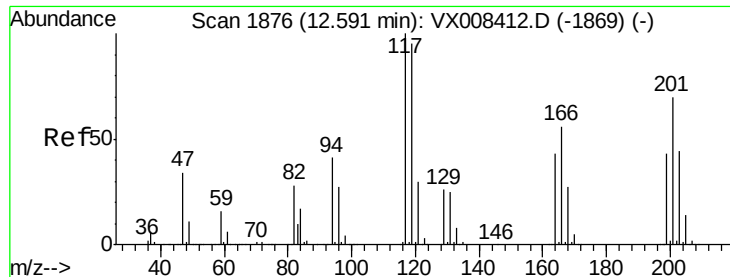
Tot Ion:146 Resp: 212612
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 61.0
 148 63.7 32.1 96.5



#89
 n-Butylbenzene
 Concen: 48.084 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Tgt Ion: 91 Resp: 404735
 Ion Ratio Lower Upper
 91 100
 92 53.5 26.5 79.5
 134 23.8 11.8 35.4





#90

Hexachloroethane

Concen: 49.750 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

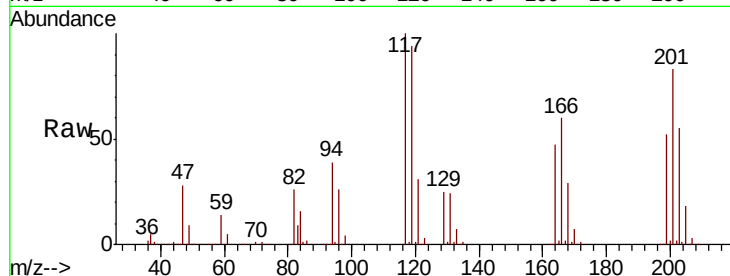
BP-VPB201R-GW-818-820MS

Tot Ion:117 Resp: 73645

Ion Ratio Lower Upper

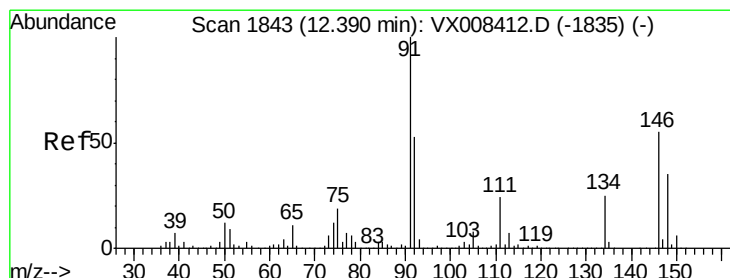
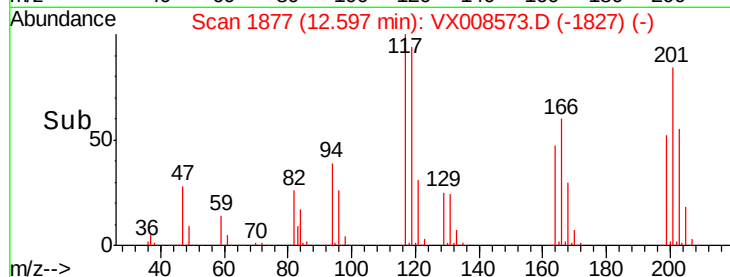
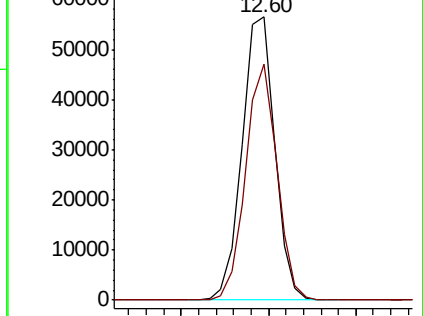
117 100

201 80.0 39.4 118.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 47.572 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

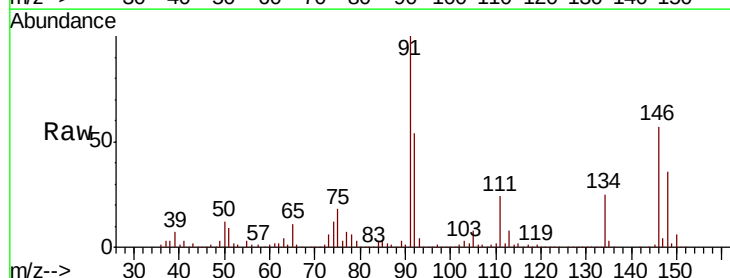
Tgt Ion:146 Resp: 214163

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.6

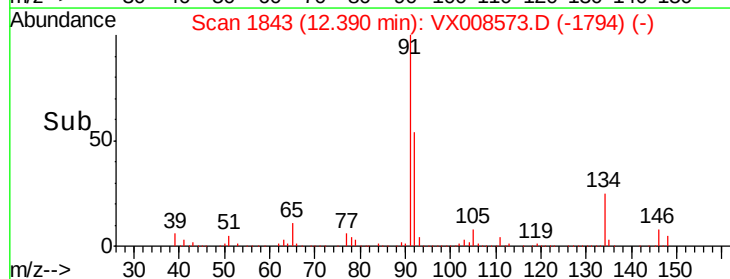
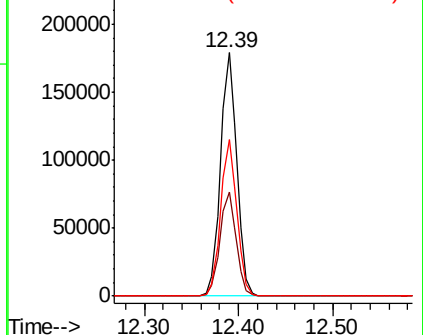
148 63.9 31.9 95.7

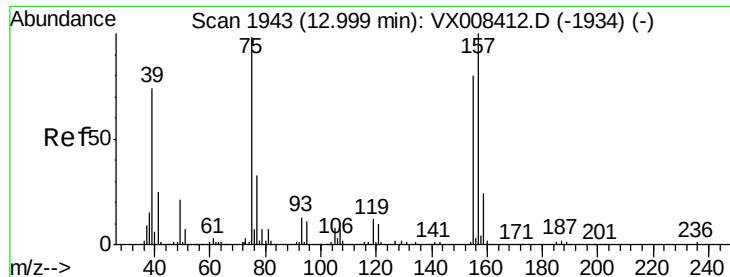


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.205 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201R-GW-818-820MS

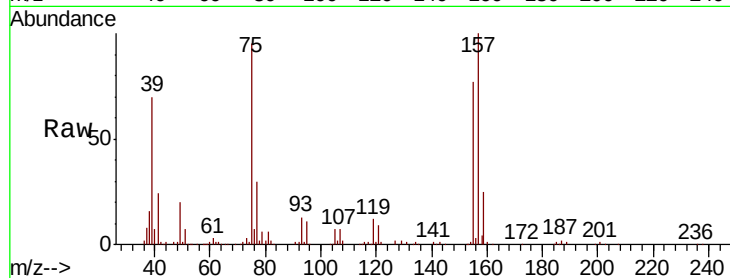
Tot Ion: 75 Resp: 44032

Ion Ratio Lower Upper

75 100

155 77.5 39.5 118.5

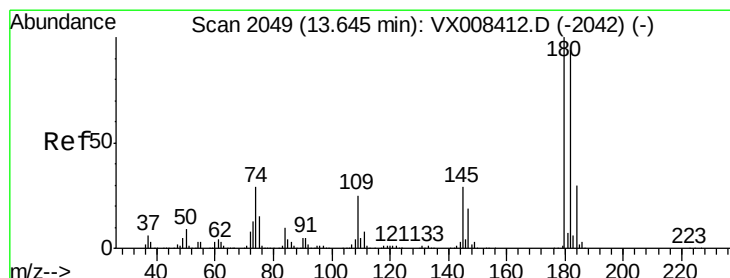
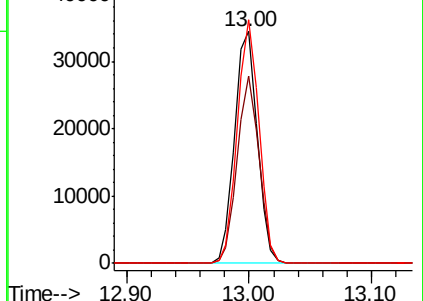
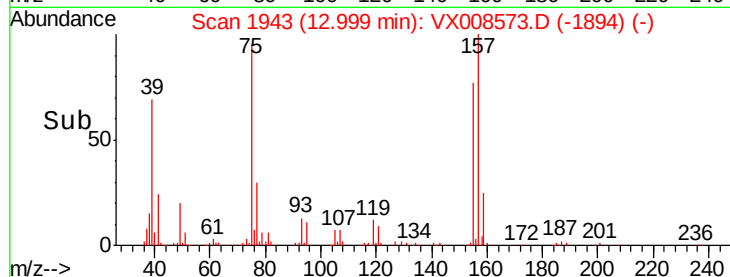
157 100.1 49.9 149.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 47.933 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008573.D

Acq: 01 Apr 2019 16:56

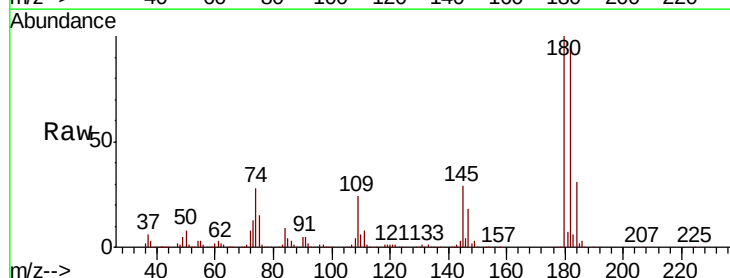
Tgt Ion:180 Resp: 145282

Ion Ratio Lower Upper

180 100

182 95.7 47.3 142.0

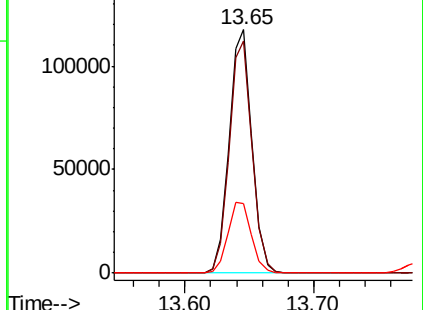
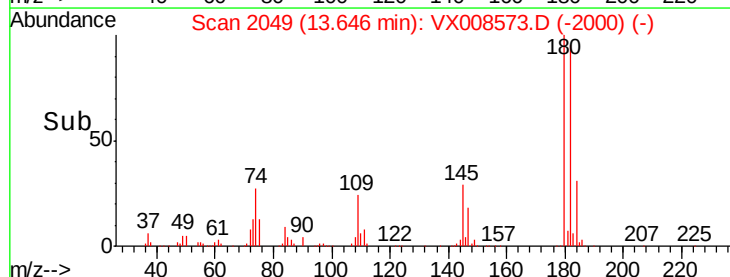
145 30.4 15.3 45.8

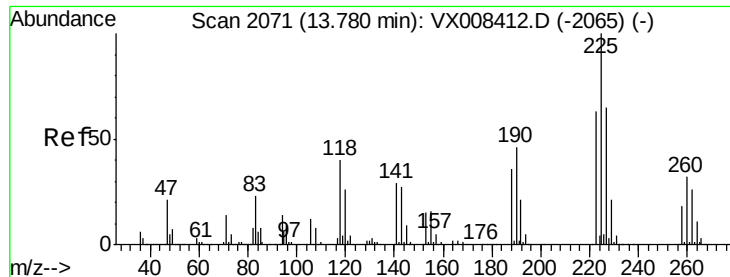


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

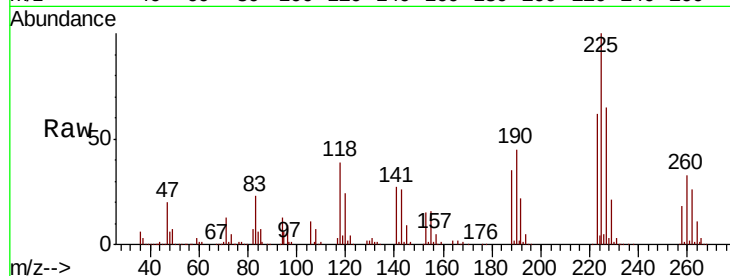




#94
Hexachlorobutadiene
Concen: 47.906 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201R-GW-818-820MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.0
227	63.9	31.9	95.9

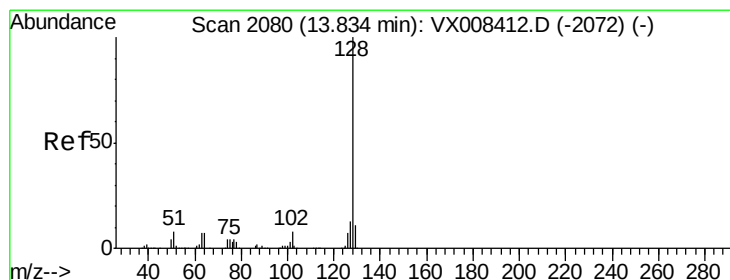
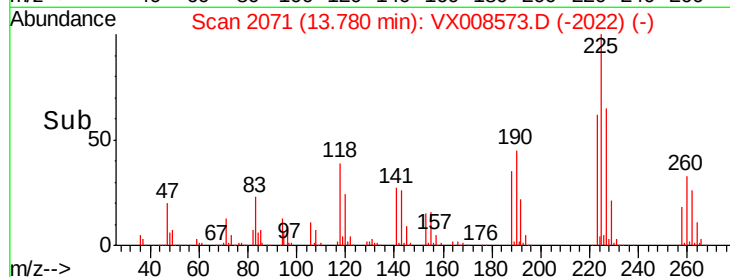
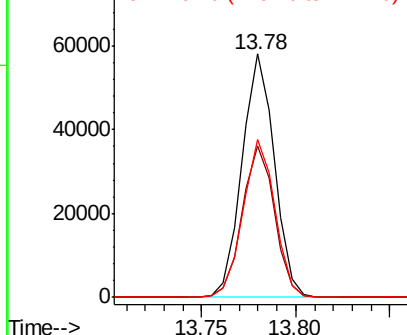


Abundance

Ion 224.70 (224.40 to 225.40): V

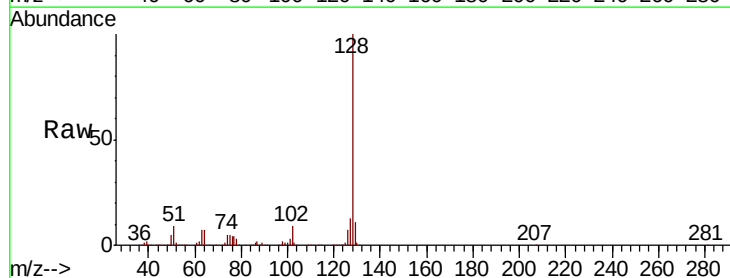
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 49.424 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX008573.D
Acq: 01 Apr 2019 16:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

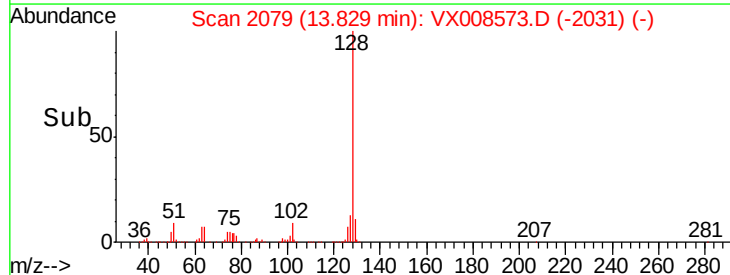
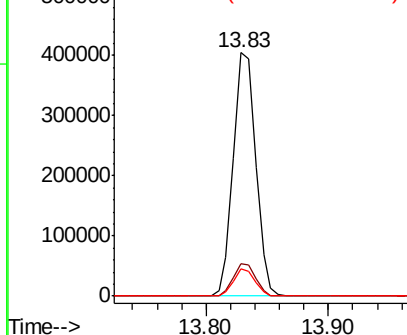


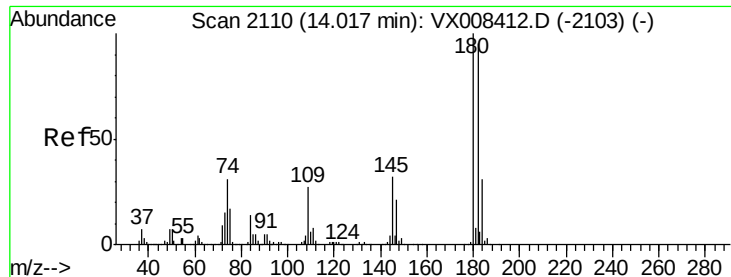
Abundance

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: 47.891 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008573.D
 Acq: 01 Apr 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201R-GW-818-820MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	142.0
145	31.8	16.2	48.5

