

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020719\
 Data File : VX007417.D
 Acq On : 07 Feb 2019 11:36
 Operator : JC/SP
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 22:06:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	482976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	709034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	655871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	249931	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	5.50	113	225111	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	836039	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	296173	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	119584	20.255	ug/l	96
3) Chloromethane	1.33	50	107600	19.779	ug/l	100
4) Vinyl Chloride	1.41	62	108676	20.363	ug/l	100
5) Bromomethane	1.64	94	110032	20.563	ug/l	96
6) Chloroethane	1.73	64	68840	19.940	ug/l	99
7) Trichlorofluoromethane	1.93	101	168658	20.202	ug/l	99
8) Diethyl Ether	2.19	74	63297	20.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98324	19.799	ug/l	98
10) Methyl Iodide	2.51	142	134573	18.421	ug/l	99
11) Tert butyl alcohol	3.07	59	123135	116.065	ug/l	98
12) 1,1-Dichloroethene	2.37	96	89966	19.509	ug/l	96
13) Acrolein	2.30	56	55527	111.614	ug/l	97
14) Allyl chloride	2.73	41	152641	20.315	ug/l	99
15) Acrylonitrile	3.15	53	278241	106.018	ug/l	99
16) Acetone	2.45	43	259455	110.488	ug/l	99
17) Carbon Disulfide	2.57	76	212265	18.977	ug/l	99
18) Methyl Acetate	2.78	43	144747	23.970	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	303812	20.336	ug/l	100
20) Methylene Chloride	2.86	84	102300	21.101	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	95152	19.370	ug/l	97
22) Diisopropyl ether	3.87	45	281781	20.388	ug/l	97
23) Vinyl Acetate	3.82	43	1172295	102.214	ug/l	100
24) 1,1-Dichloroethane	3.70	63	160480	20.219	ug/l	99
25) 2-Butanone	4.70	43	361577	108.196	ug/l	98
26) 2,2-Dichloropropane	4.59	77	120710	19.970	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	102882	19.175	ug/l	99
28) Bromochloromethane	5.02	49	72179	19.775	ug/l	98
29) Tetrahydrofuran	5.15	42	231426	110.108	ug/l	99
30) Chloroform	5.21	83	167295	20.199	ug/l	98
31) Cyclohexane	5.57	56	136085	19.090	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	141907	20.298	ug/l	100
36) 1,1-Dichloropropene	5.80	75	120544	18.948	ug/l	100
37) Ethyl Acetate	4.85	43	131104	20.387	ug/l	98
38) Carbon Tetrachloride	5.78	117	124009	20.093	ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Feb 08 22:06:11 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148233	19.258	ug/l	100
40) Benzene	6.14	78	375126	20.018	ug/l	98
41) Methacrylonitrile	5.06	41	72700	21.093	ug/l	99
42) 1,2-Dichloroethane	6.20	62	129612	19.990	ug/l	99
43) Isopropyl Acetate	6.46	43	207274	20.881	ug/l	100
44) Trichloroethene	7.21	130	106734	18.911	ug/l	95
45) 1,2-Dichloropropane	7.51	63	93998	20.020	ug/l	100
46) Dibromomethane	7.66	93	65633	19.233	ug/l	99
47) Bromodichloromethane	7.90	83	112408	19.436	ug/l	98
48) Methyl methacrylate	7.77	41	106980	21.547	ug/l	99
49) 1,4-Dioxane	7.75	88	52415	467.886	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	701249	107.315	ug/l	100
52) Toluene	8.79	92	241571	19.980	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	122294	19.686	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	139598	20.434	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	102384	20.315	ug/l	98
56) Ethyl methacrylate	9.18	69	143673	20.582	ug/l	97
57) 1,3-Dichloropropane	9.37	76	160051	19.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	382227	103.888	ug/l	99
59) 2-Hexanone	9.49	43	543234	106.832	ug/l	100
60) Dibromochloromethane	9.58	129	95670	20.071	ug/l	97
61) 1,2-Dibromoethane	9.67	107	110665	20.734	ug/l	100
64) Tetrachloroethene	9.34	164	113250	18.320	ug/l	98
65) Chlorobenzene	10.14	112	276463	19.316	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	97486	20.316	ug/l	99
67) Ethyl Benzene	10.25	91	454624	19.725	ug/l	100
68) m/p-Xylenes	10.36	106	356732	38.936	ug/l	99
69) o-Xylene	10.70	106	174283	19.769	ug/l	99
70) Styrene	10.71	104	280734	19.635	ug/l	99
71) Bromoform	10.86	173	70072	19.337	ug/l #	99
73) Isopropylbenzene	11.02	105	470734	20.913	ug/l	100
74) N-amyl acetate	10.90	43	179026	20.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	148920	21.709	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	164136	25.476	ug/l	82
77) Bromobenzene	11.26	156	127522	20.108	ug/l	99
78) n-propylbenzene	11.36	91	513314	20.797	ug/l	100
79) 2-Chlorotoluene	11.42	91	304736	20.347	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	377979	20.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38399	21.092	ug/l	95
82) 4-Chlorotoluene	11.51	91	348433	20.106	ug/l	99
83) tert-Butylbenzene	11.77	119	371800	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	393045	21.024	ug/l	99
85) sec-Butylbenzene	11.94	105	454866	20.614	ug/l	100
86) p-Isopropyltoluene	12.06	119	403451	20.254	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	222096	19.513	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	225428	19.522	ug/l	98
89) n-Butylbenzene	12.39	91	333121	19.441	ug/l	99
90) Hexachloroethane	12.60	117	58952	19.775	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	222870	19.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29518	20.695	ug/l	99

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Quant Time: Feb 08 22:06:11 2019
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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

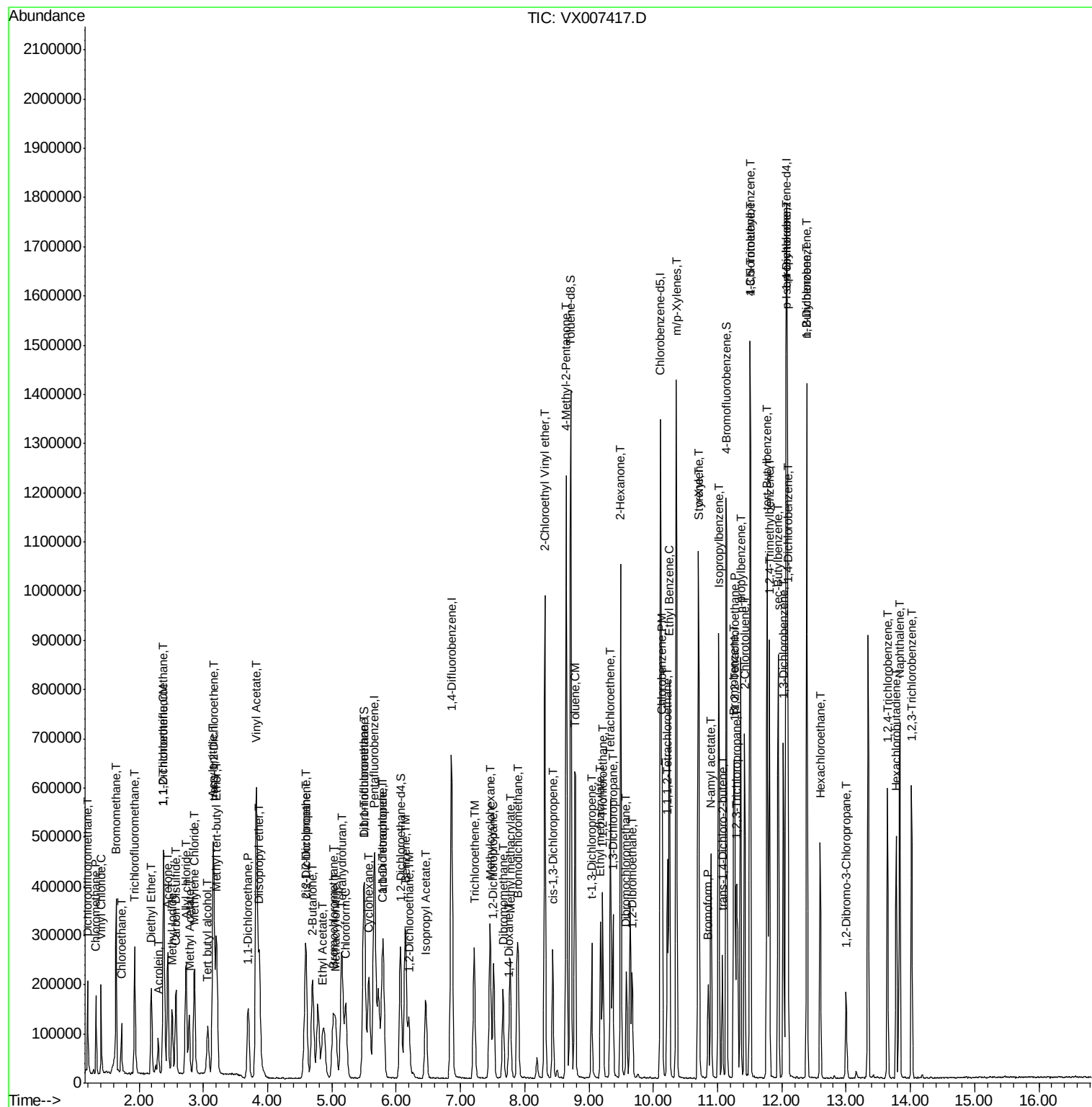
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148858	19.487	ug/l	99
94) Hexachlorobutadiene	13.78	225	71472	19.269	ug/l	98
95) Naphthalene	13.83	128	456406	20.432	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149116	19.393	ug/l	100

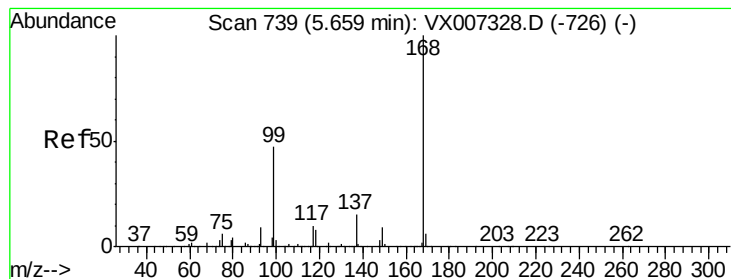
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

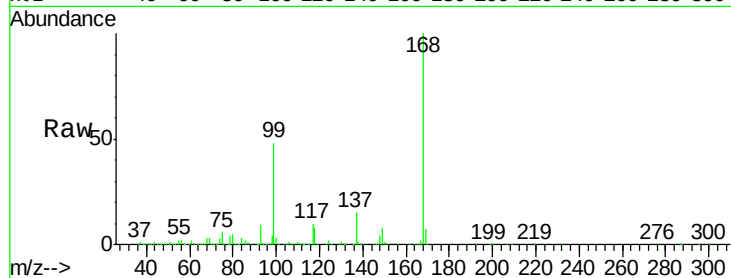
ClientSampleId :

Tot Ion:168 Resp: 482976

Ion Ratio Lower Upper

168 100

99 48.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

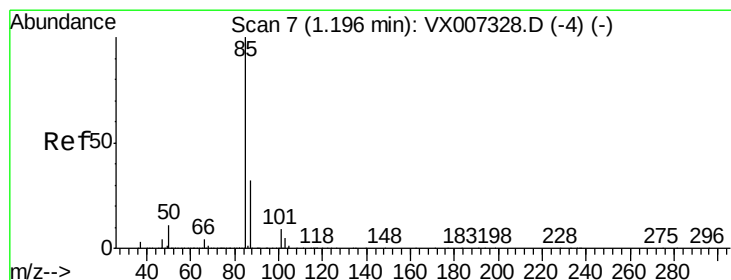
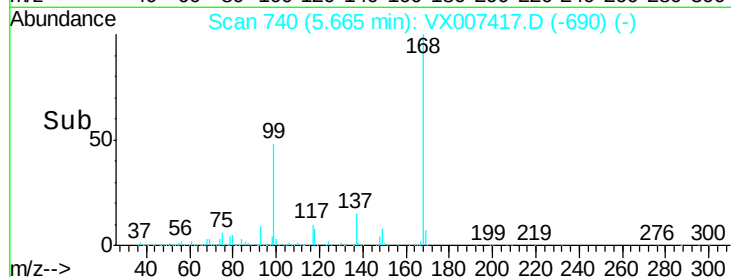
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.255 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007417.D

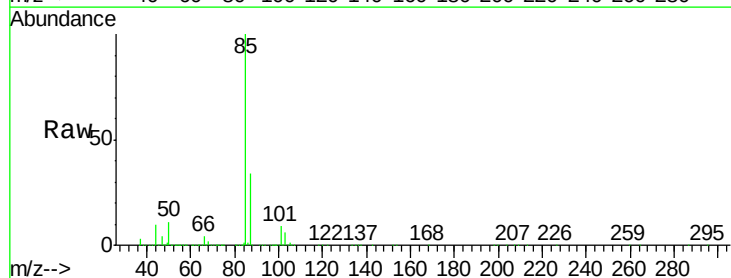
Acq: 07 Feb 2019 11:36

Tgt Ion: 85 Resp: 119584

Ion Ratio Lower Upper

85 100

87 33.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

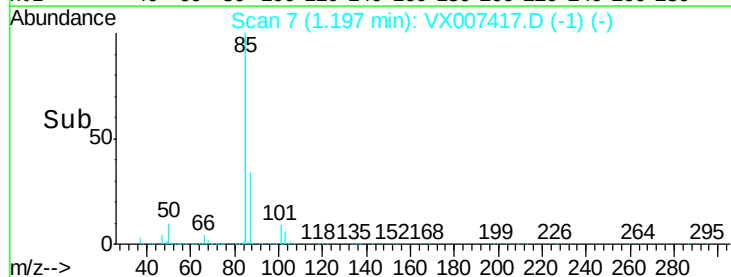
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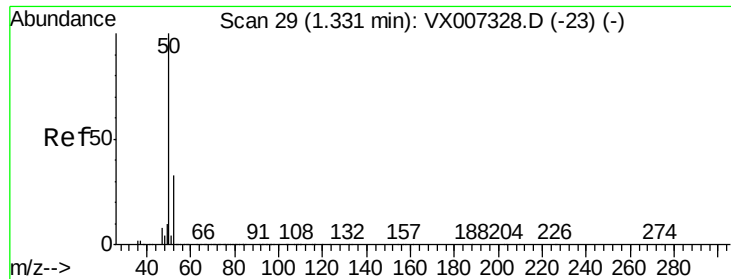
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.779 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

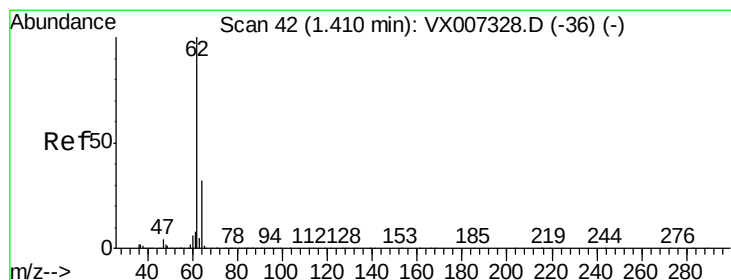
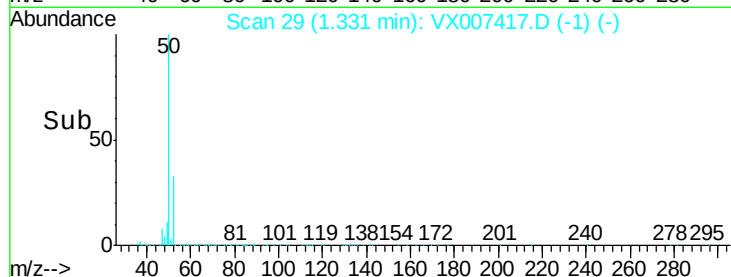
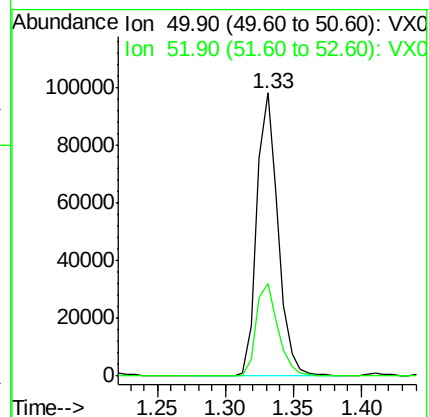
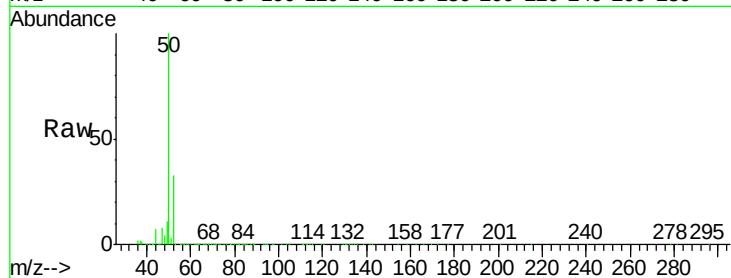
ClientSampleId :

Tot Ion: 50 Resp: 107600

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 20.363 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007417.D

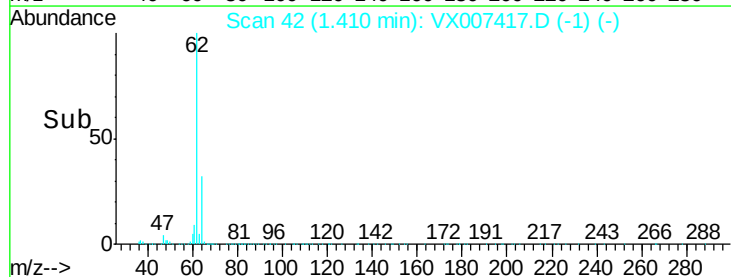
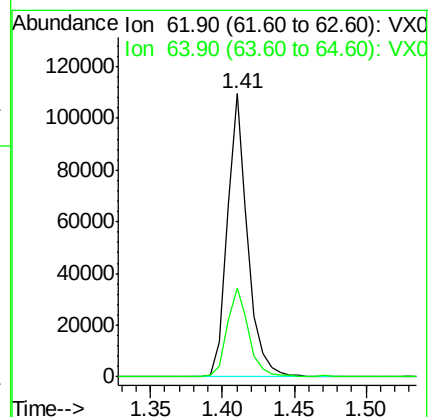
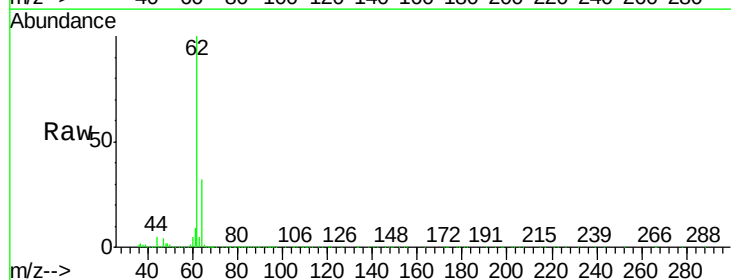
Acq: 07 Feb 2019 11:36

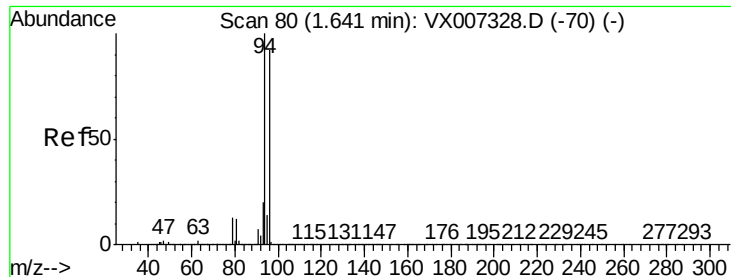
Tgt Ion: 62 Resp: 108676

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 20.563 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

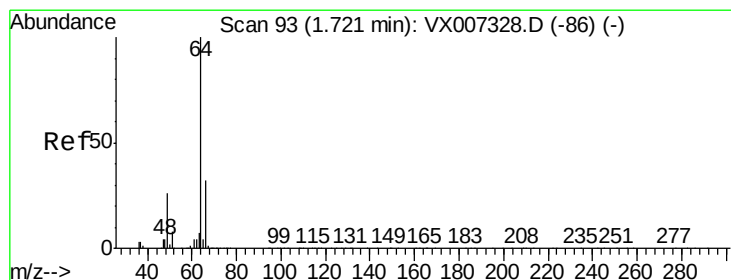
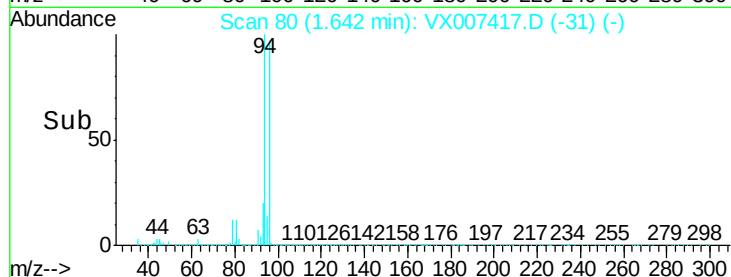
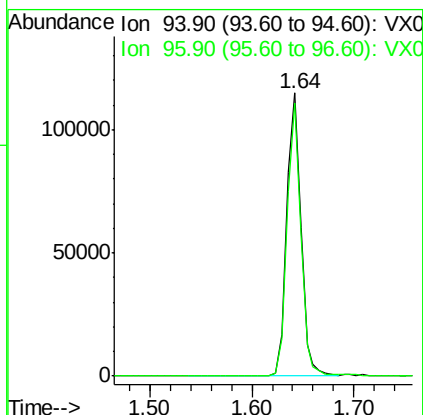
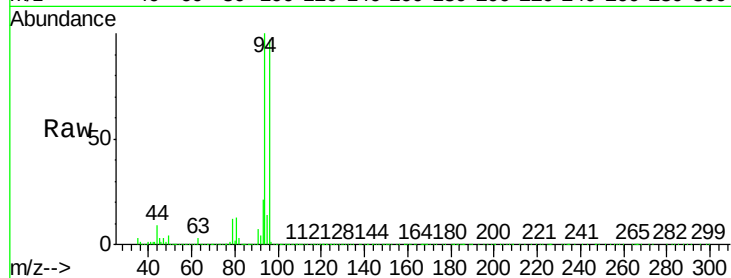
ClientSampleId :

Tot Ion: 94 Resp: 110032

Ion Ratio Lower Upper

94 100

96 96.5 73.9 110.9



#6

Chloroethane

Concen: 19.940 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007417.D

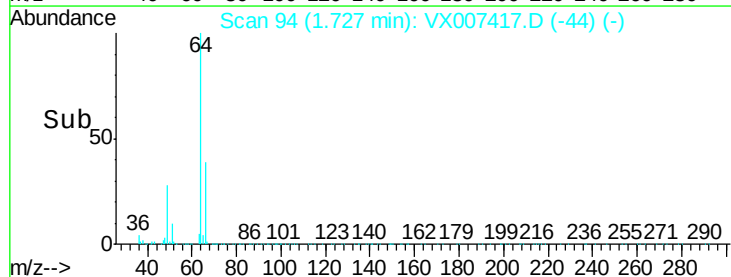
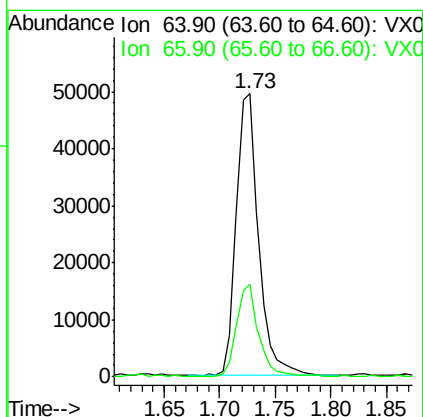
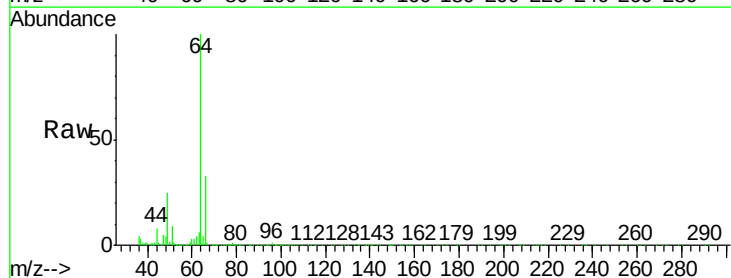
Acq: 07 Feb 2019 11:36

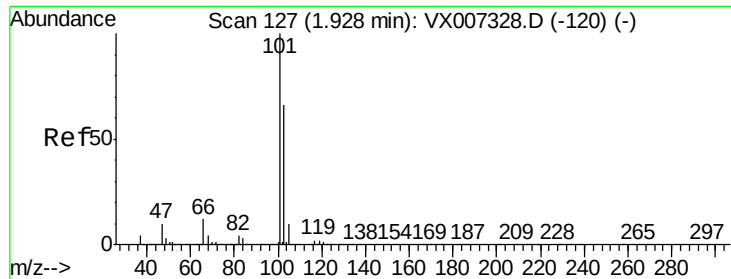
Tgt Ion: 64 Resp: 68840

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



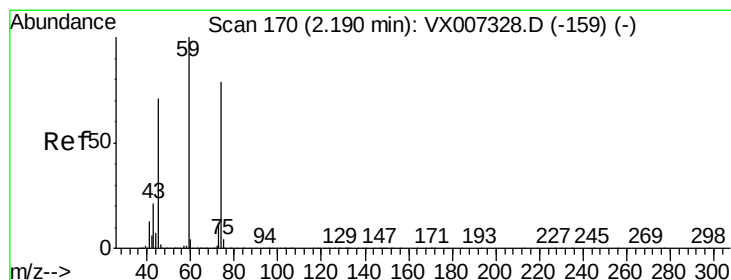
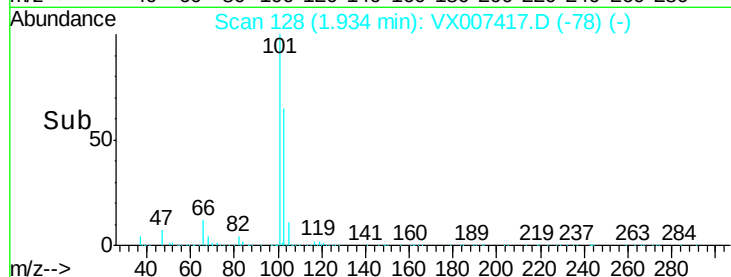
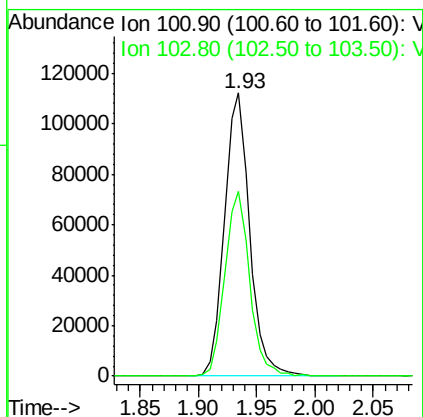
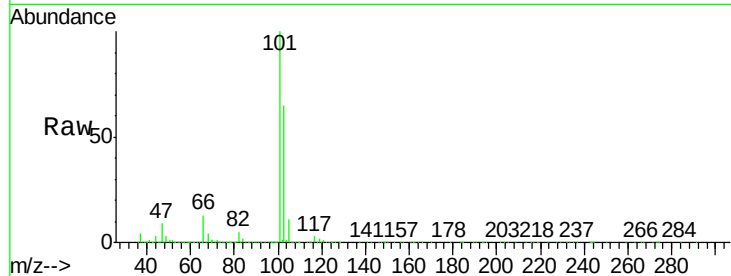


#7

Trichlorofluoromethane
Concen: 20.202 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :

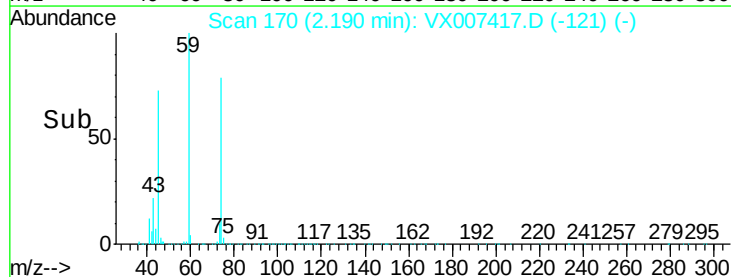
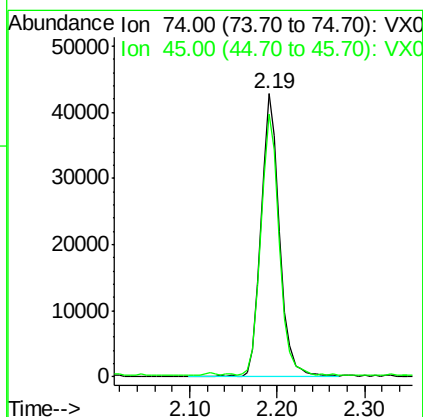
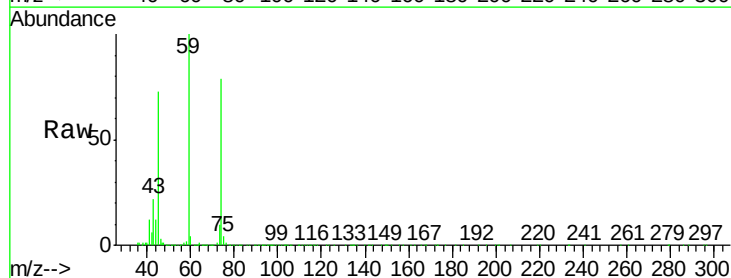
Tot Ion:101 Resp: 168658
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0

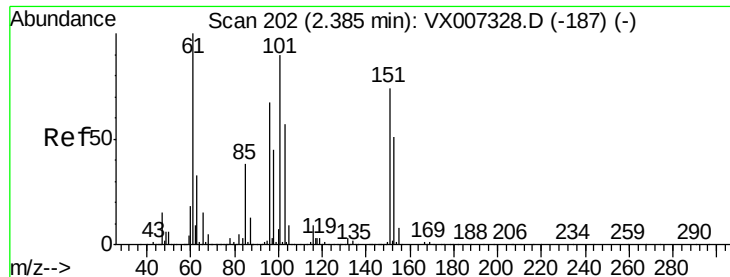


#8

Diethyl Ether
Concen: 20.143 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 74 Resp: 63297
Ion Ratio Lower Upper
74 100
45 90.8 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.799 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

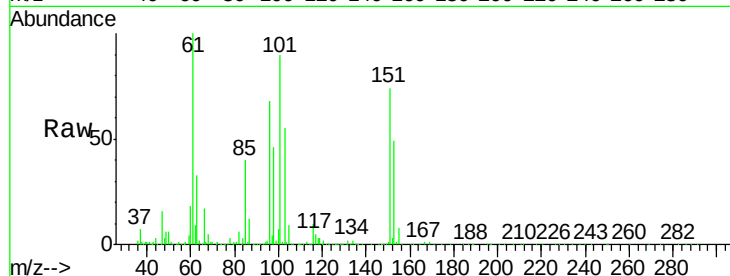
Tot Ion:101 Resp: 98324

Ion Ratio Lower Upper

101 100

85 43.0 34.1 51.1

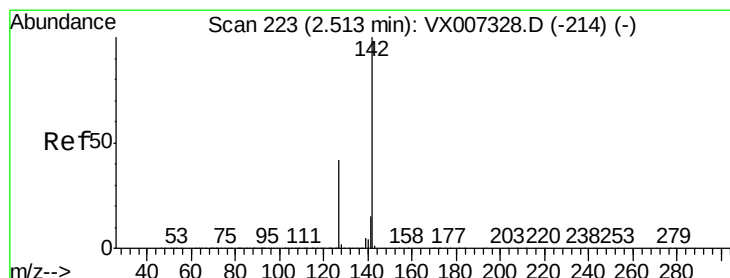
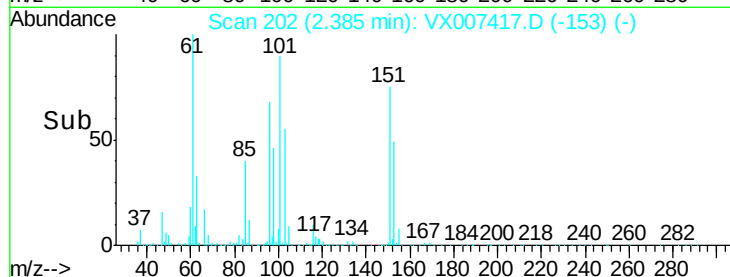
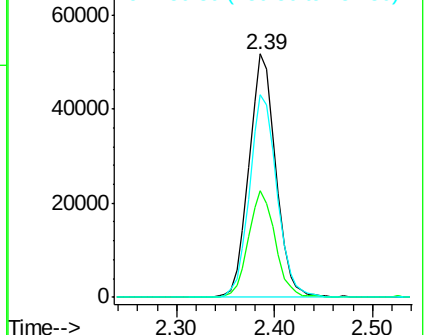
151 85.5 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.421 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

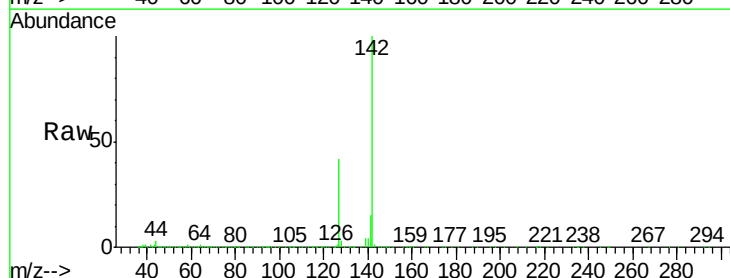
Tgt Ion:142 Resp: 134573

Ion Ratio Lower Upper

142 100

127 42.7 33.7 50.5

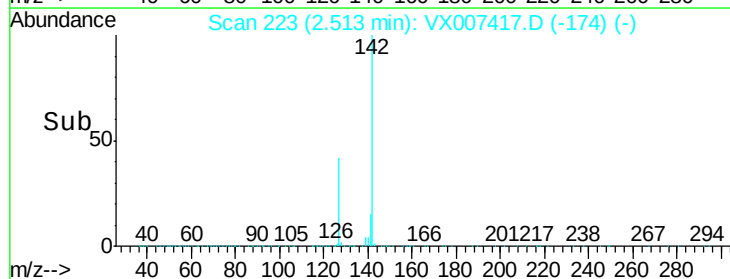
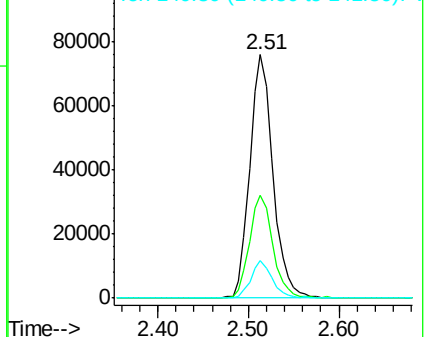
141 14.4 11.3 16.9

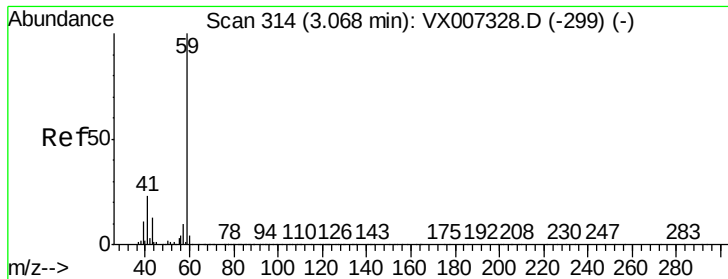


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



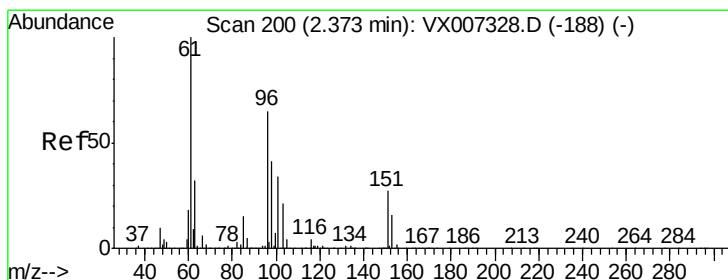
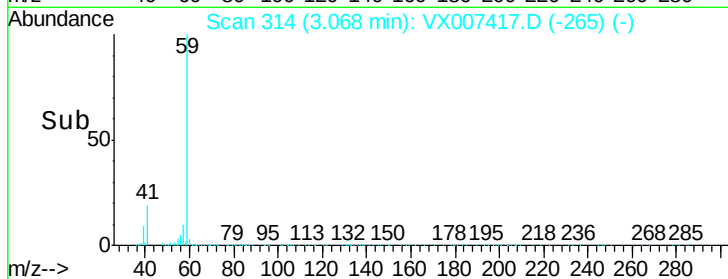
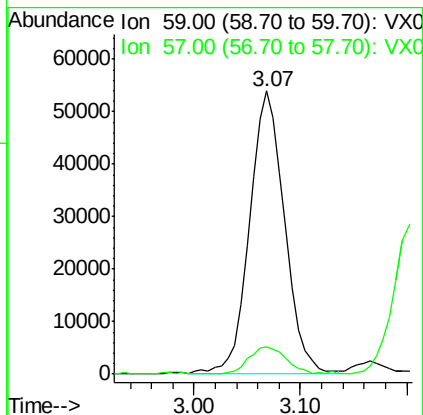
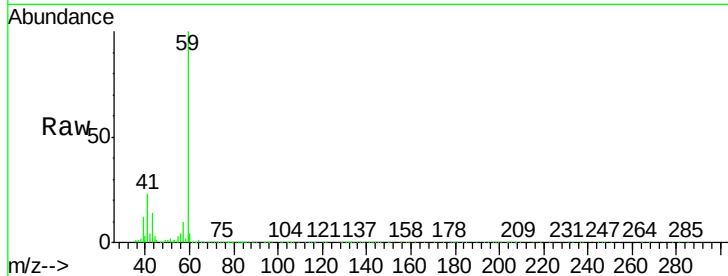


#11

Tert butyl alcohol
Concen: 116.065 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :

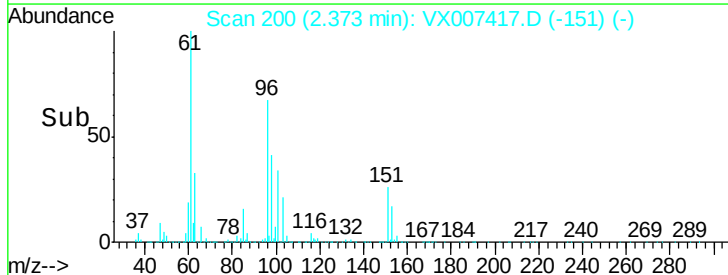
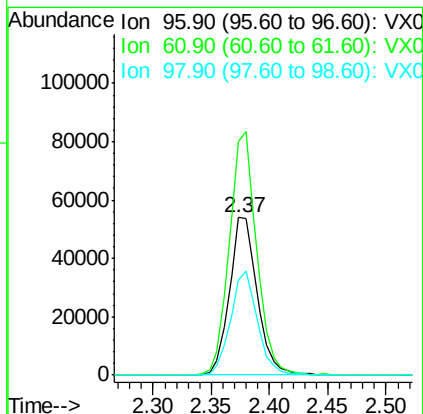
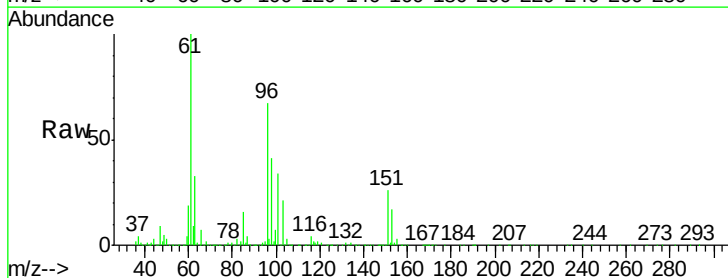
Tot Ion: 59 Resp: 123135
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1

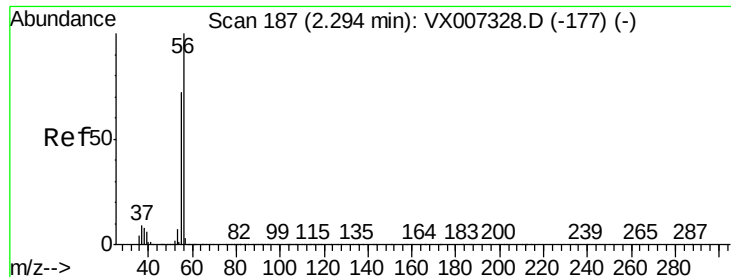


#12

1,1-Dichloroethene
Concen: 19.509 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 96 Resp: 89966
Ion Ratio Lower Upper
96 100
61 147.9 123.0 184.4
98 60.3 50.9 76.3





#13

Acrolein

Concen: 111.614 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

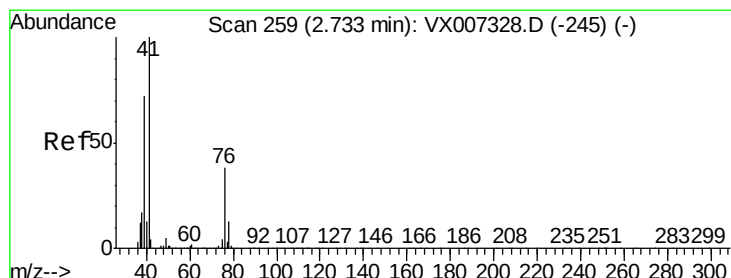
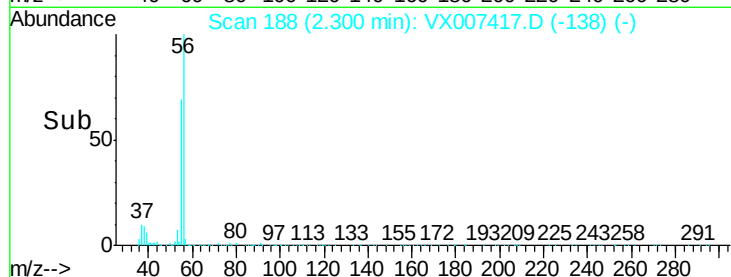
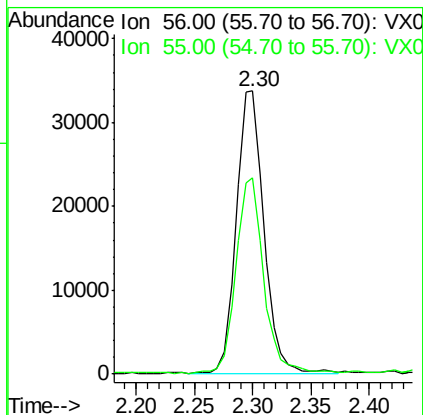
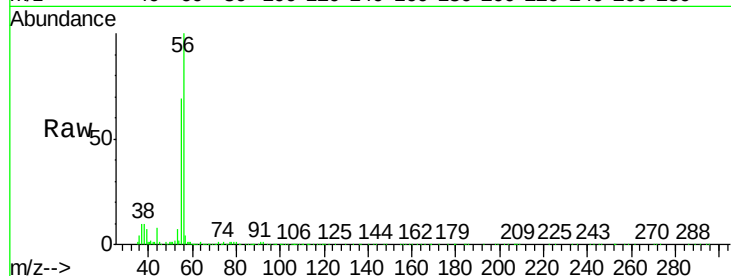
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 55527

Ion Ratio Lower Upper

56 100

55 69.0 56.9 85.3



#14

Allyl chloride

Concen: 20.315 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

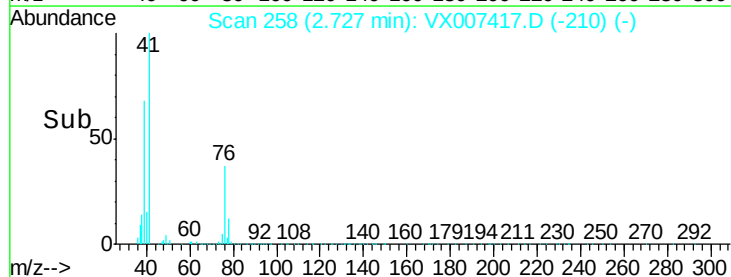
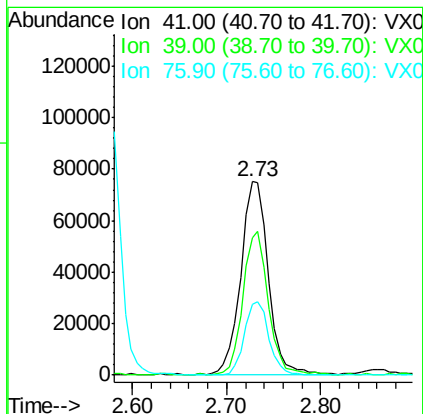
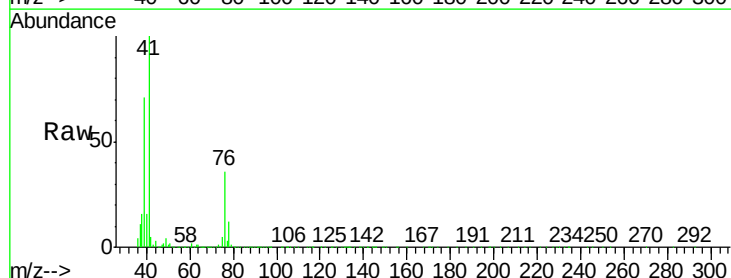
Tgt Ion: 41 Resp: 152641

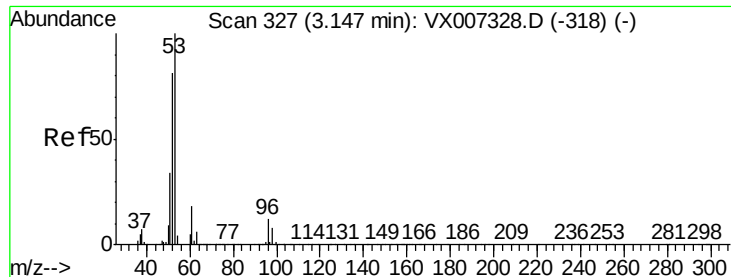
Ion Ratio Lower Upper

41 100

39 68.2 54.1 81.1

76 33.9 27.8 41.8





#15

Acrylonitrile

Concen: 106.018 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :

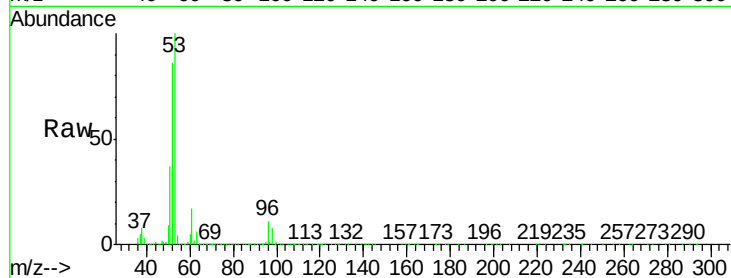
Tot Ion: 53 Resp: 278241

Ion Ratio Lower Upper

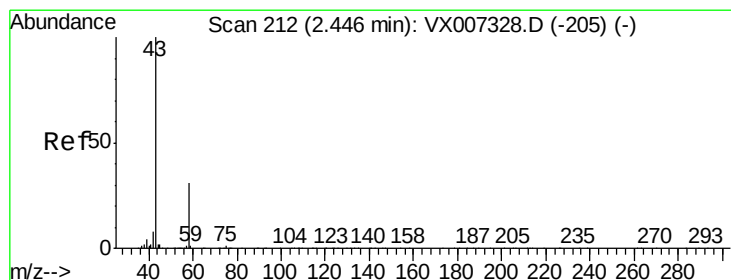
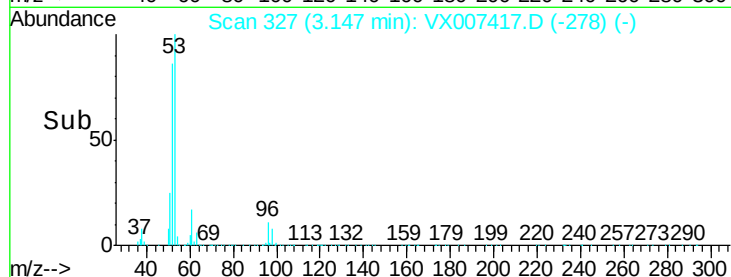
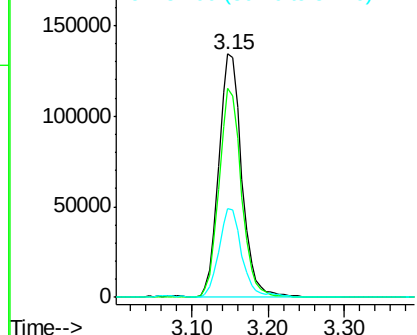
53 100

52 83.3 66.4 99.6

51 36.9 28.4 42.6



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: 110.488 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007417.D

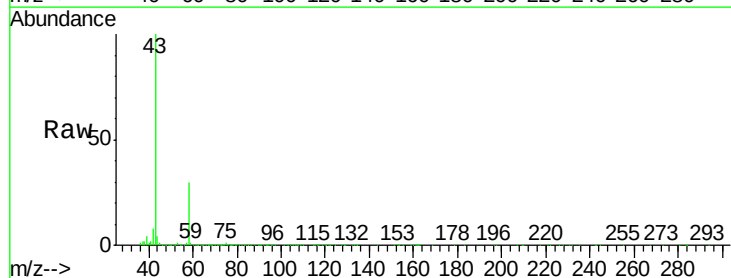
Acq: 07 Feb 2019 11:36

Tgt Ion: 43 Resp: 259455

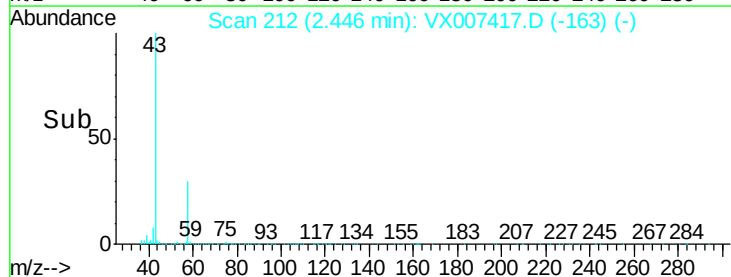
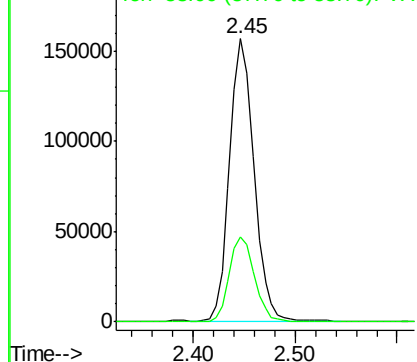
Ion Ratio Lower Upper

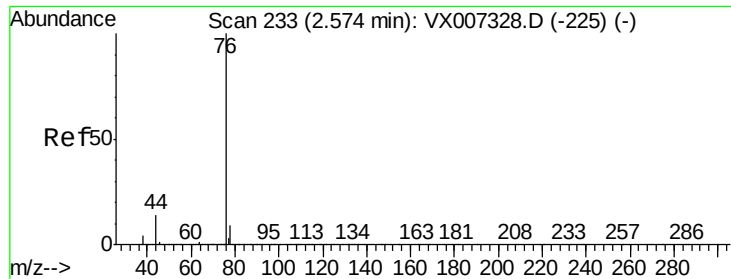
43 100

58 30.3 24.9 37.3



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





#17

Carbon Disulfide

Concen: 18.977 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

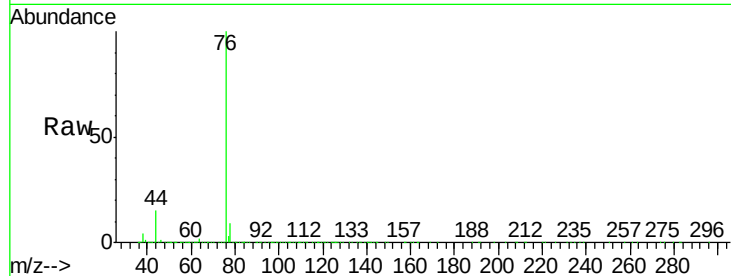
ClientSampleId :

Tot Ion: 76 Resp: 212265

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

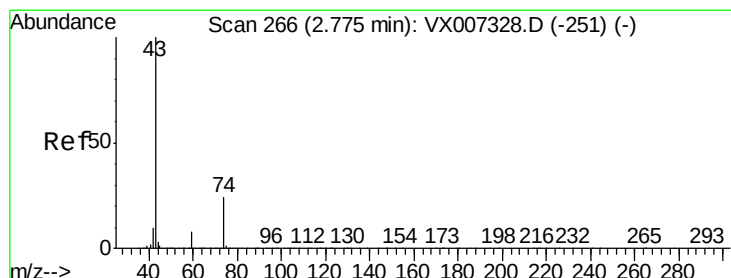
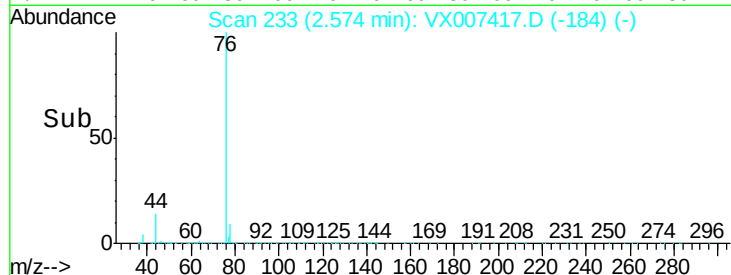
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 23.970 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007417.D

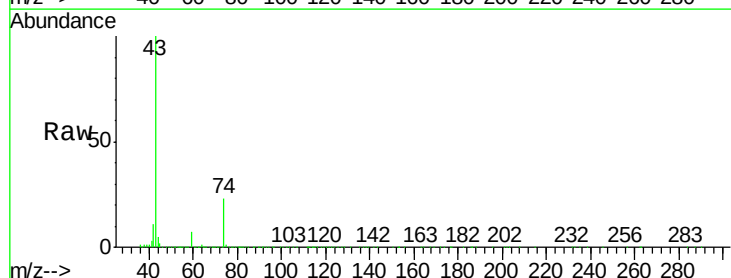
Acq: 07 Feb 2019 11:36

Tgt Ion: 43 Resp: 144747

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

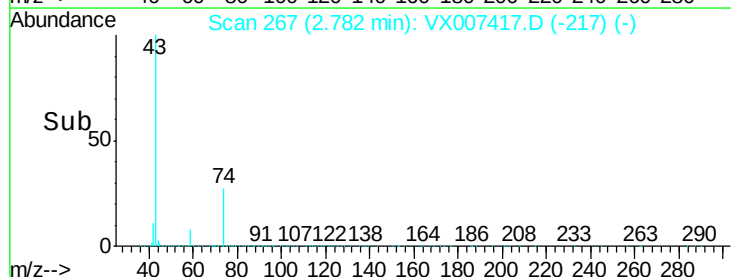
40000

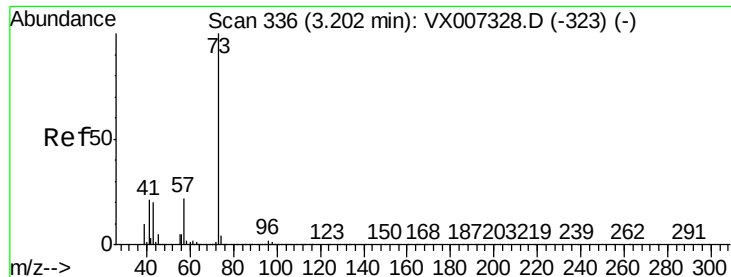
20000

0

Time-->

2.70 2.80 2.90

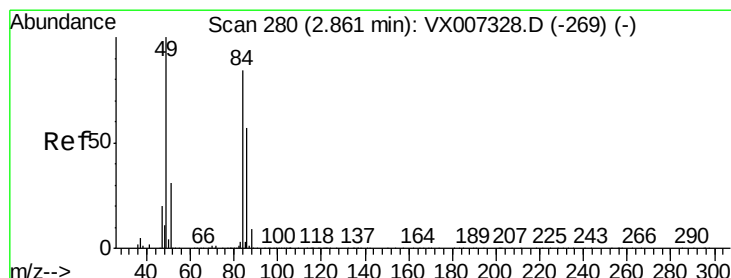
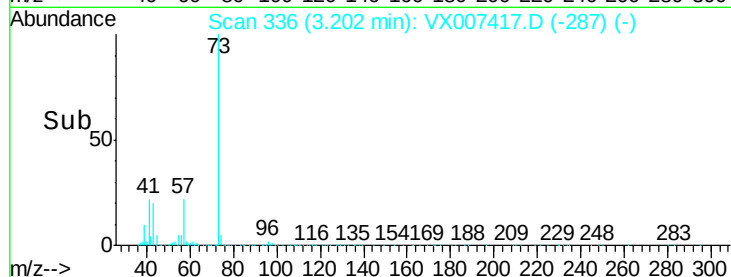
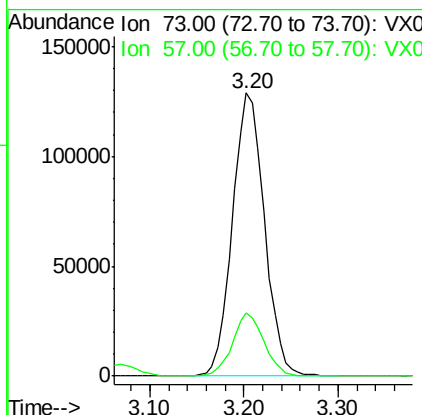
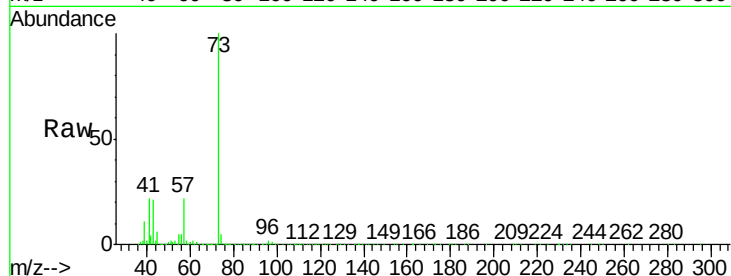




#19
Methyl tert-butyl Ether
Concen: 20.336 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

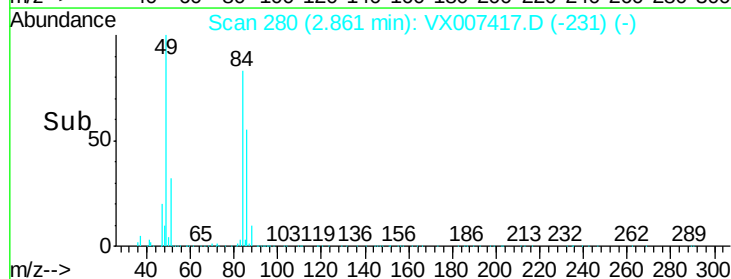
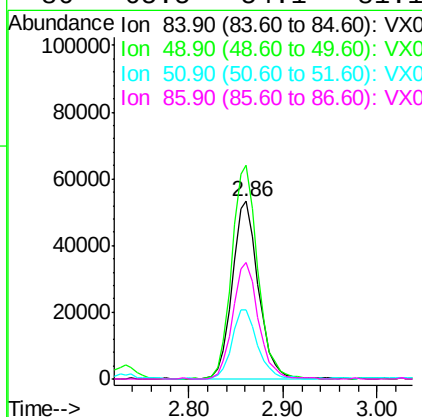
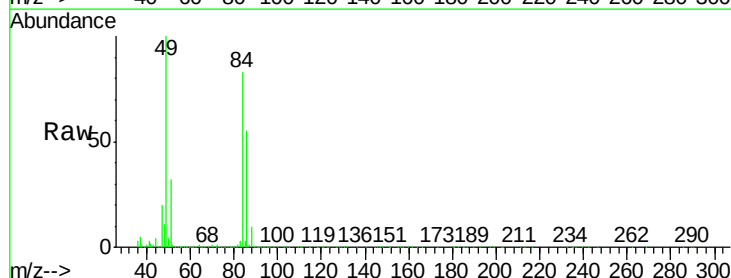
Instrument :
MSVOA_X
ClientSampled :

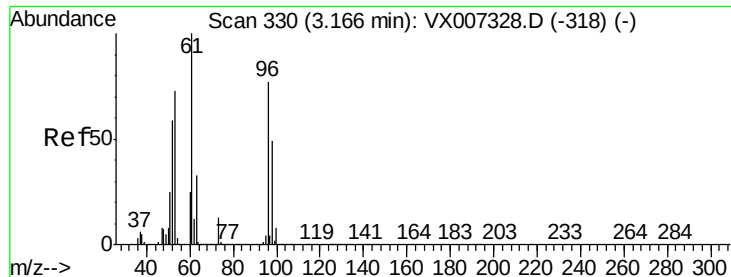
Tot Ion: 73 Resp: 303812
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 21.101 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 84 Resp: 102300
Ion Ratio Lower Upper
84 100
49 119.8 94.8 142.2
51 38.3 29.8 44.8
86 65.5 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 19.370 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

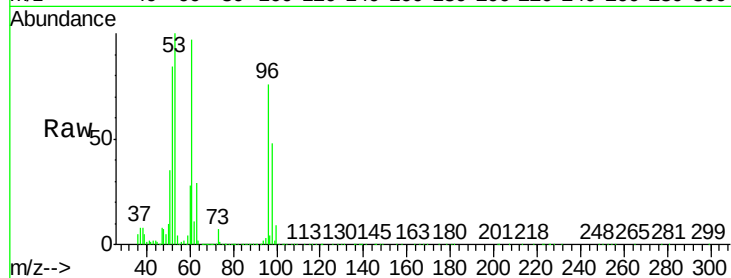
Tot Ion: 96 Resp: 95152

Ion Ratio Lower Upper

96 100

61 126.8 104.6 156.8

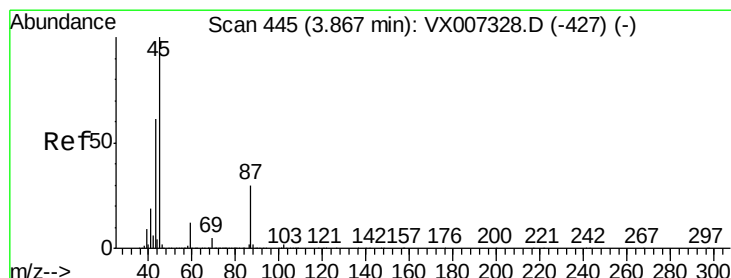
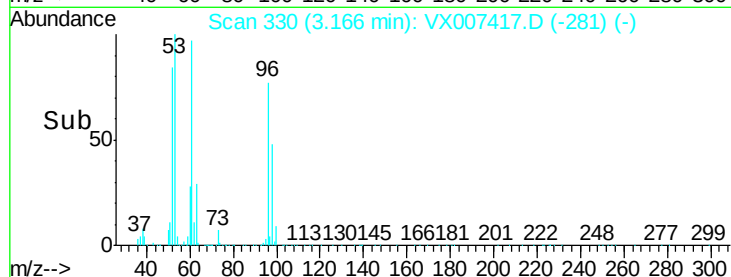
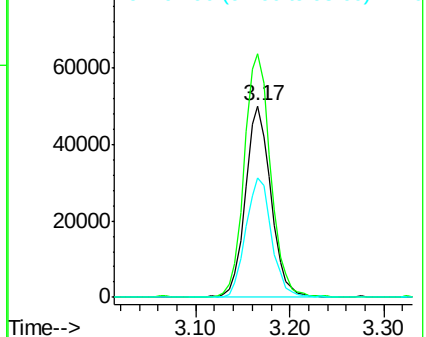
98 62.3 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.388 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Tgt Ion: 45 Resp: 281781

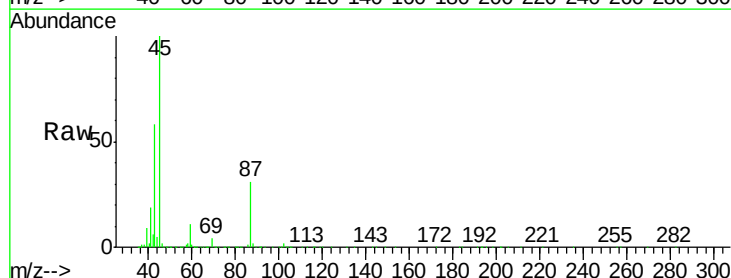
Ion Ratio Lower Upper

45 100

43 57.7 48.9 73.3

87 30.5 23.9 35.9

59 11.2 9.6 14.4

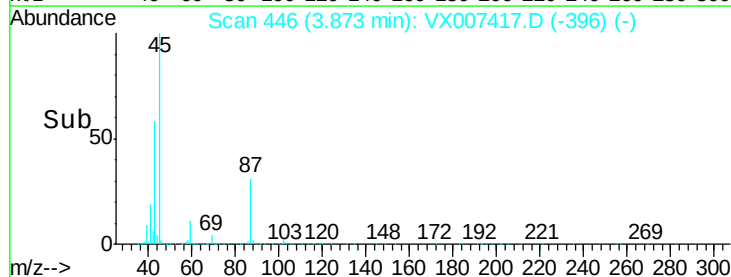
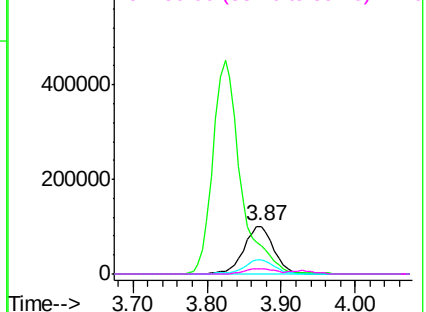


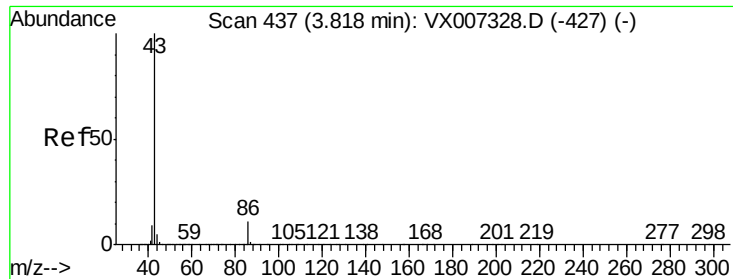
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

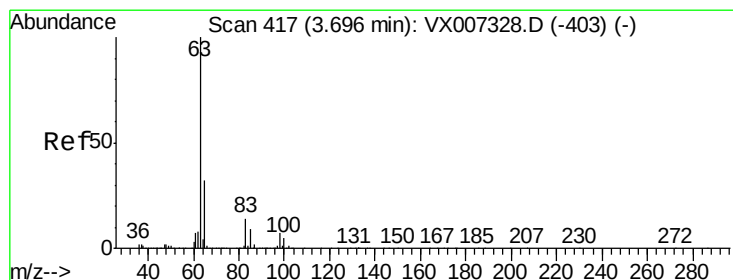
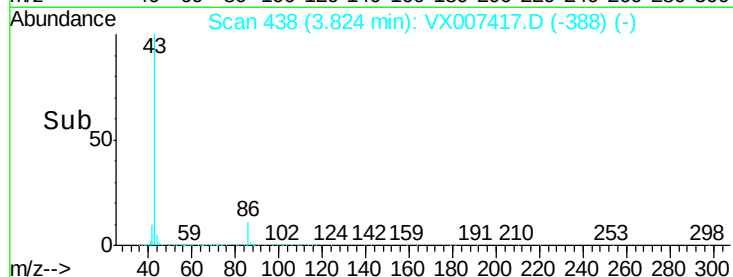
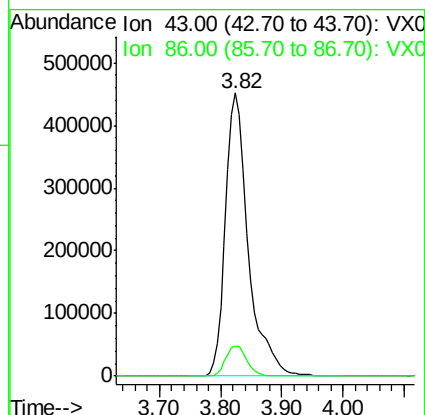
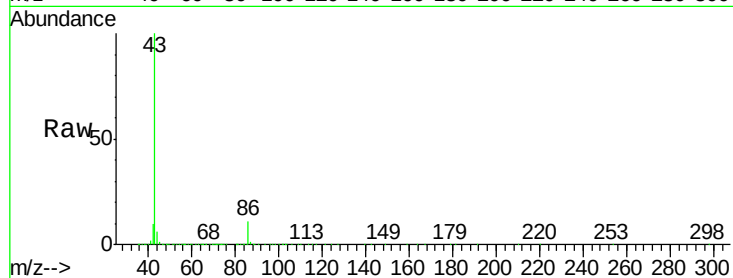




#23
 Vinyl Acetate
 Concen: 102.214 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

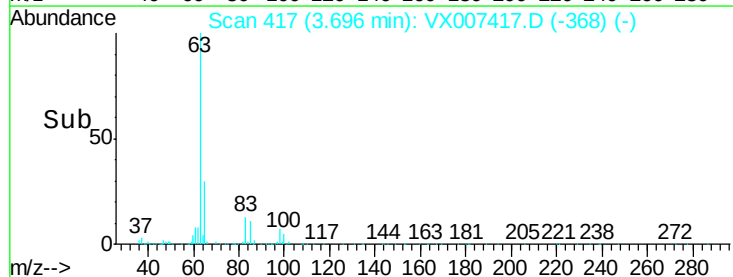
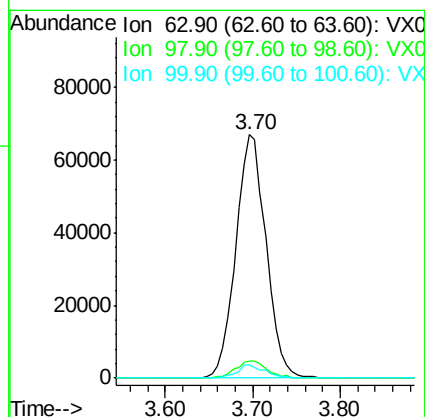
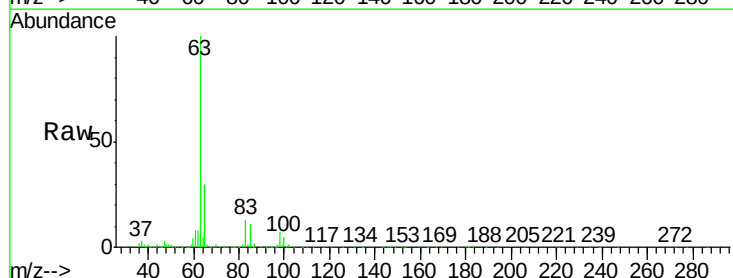
Instrument :
 MSVOA_X
 ClientSampled :

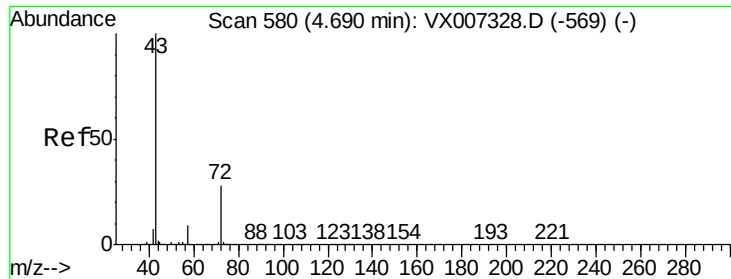
Tot Ion: 43 Resp: 1172295
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.219 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

Tgt Ion: 63 Resp: 160480
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.6 10.8
 100 5.1 2.5 7.4





#25

2-Butanone

Concen: 108.196 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

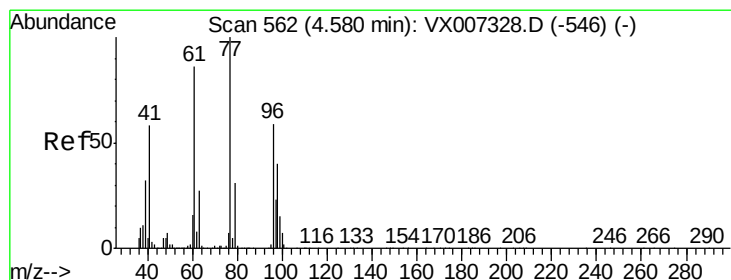
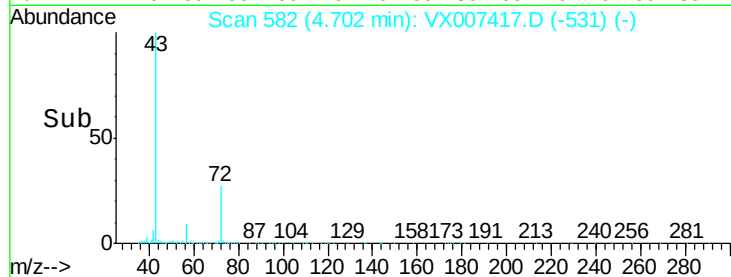
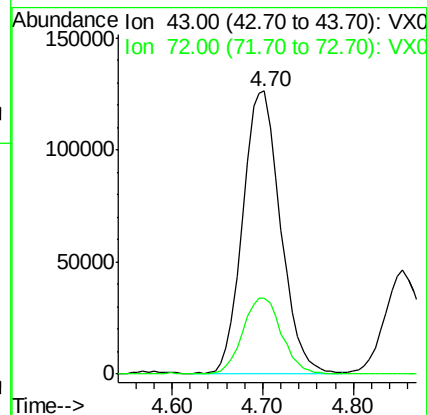
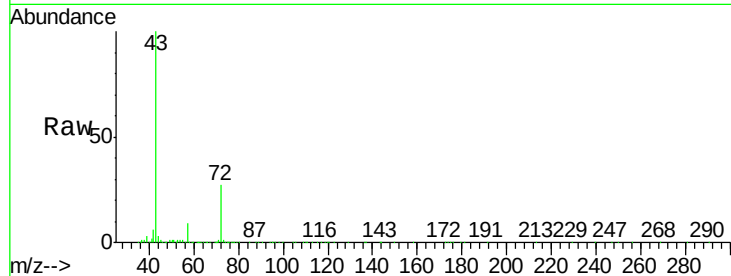
ClientSampleId :

Tot Ion: 43 Resp: 361577

Ion Ratio Lower Upper

43 100

72 26.6 22.2 33.2



#26

2,2-Dichloropropane

Concen: 19.970 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007417.D

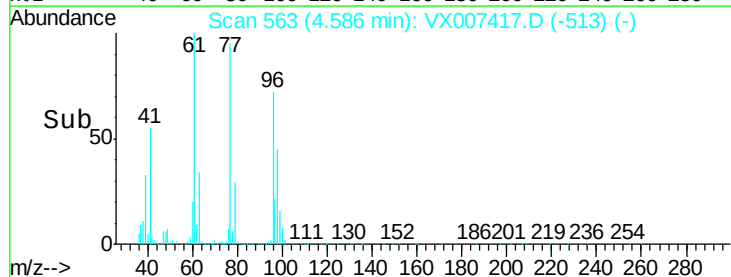
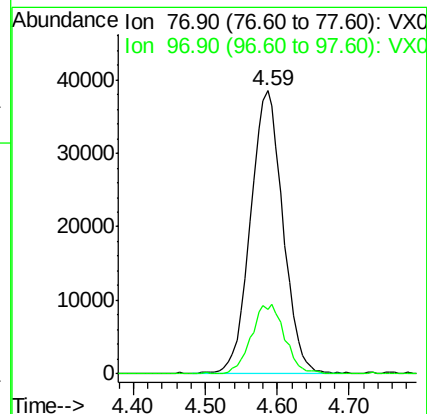
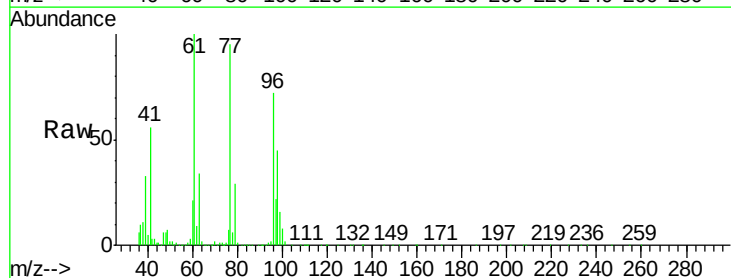
Acq: 07 Feb 2019 11:36

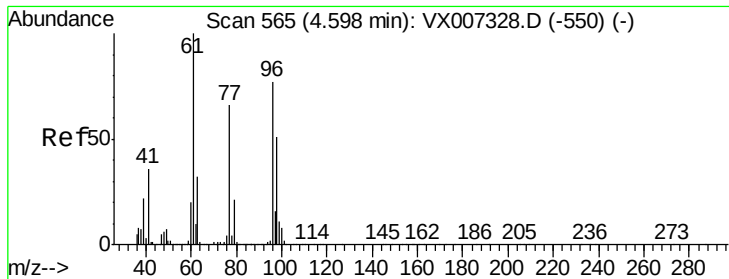
Tgt Ion: 77 Resp: 120710

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3



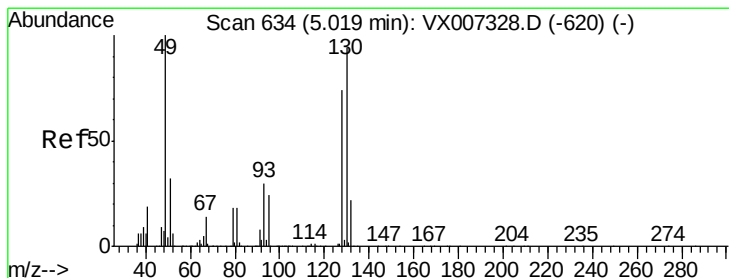
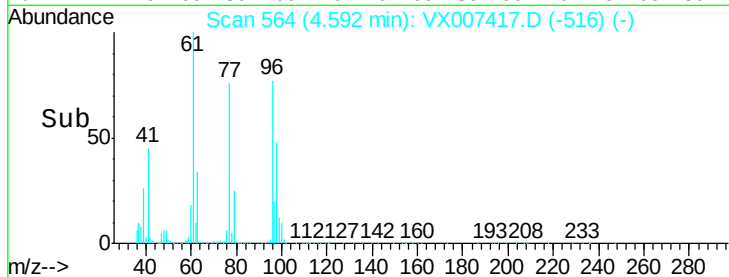
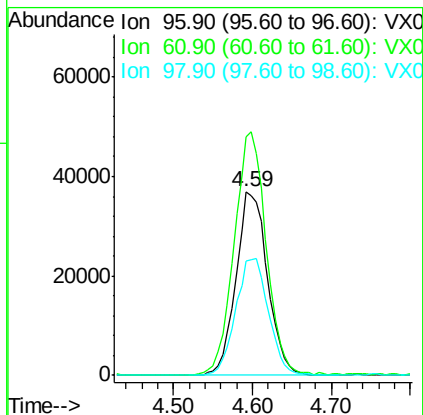
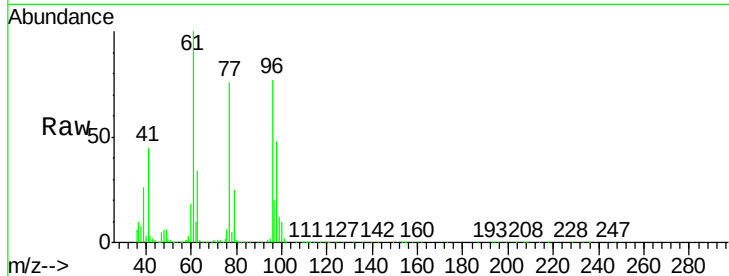


#27

cis-1,2-Dichloroethene
Concen: 19.175 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :

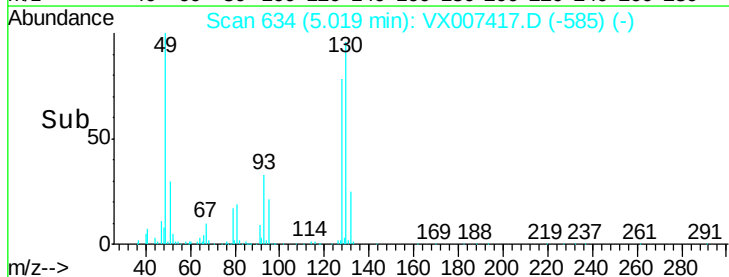
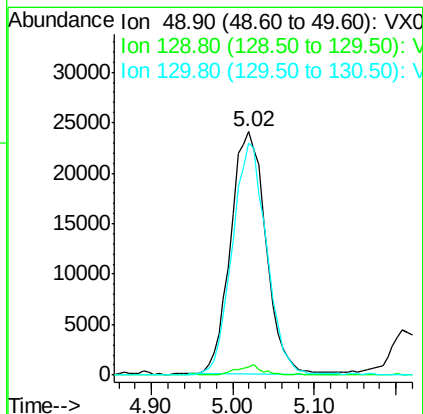
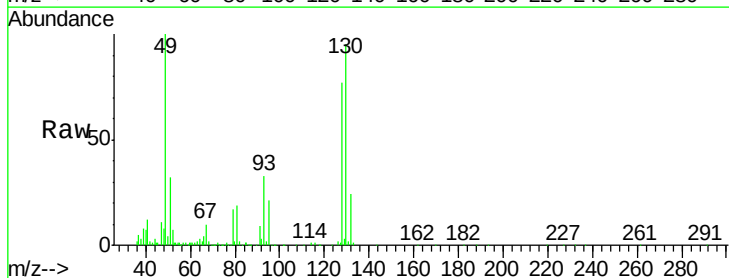
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	265.6
98	66.2	0.0	131.6

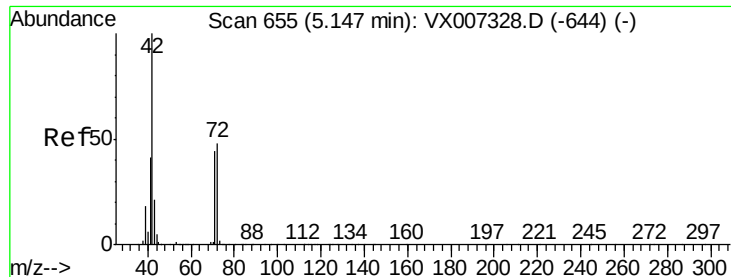


#28

Bromochloromethane
Concen: 19.775 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	92.8	75.6	113.4

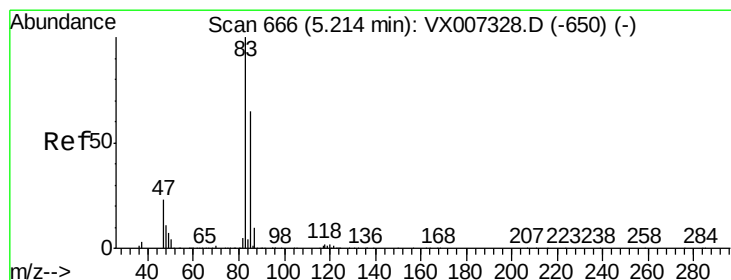
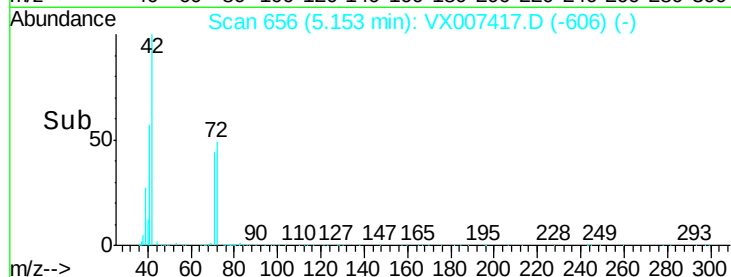
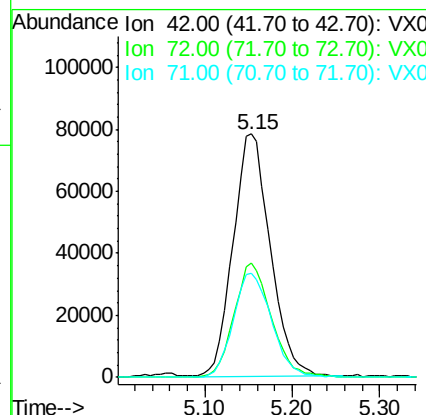
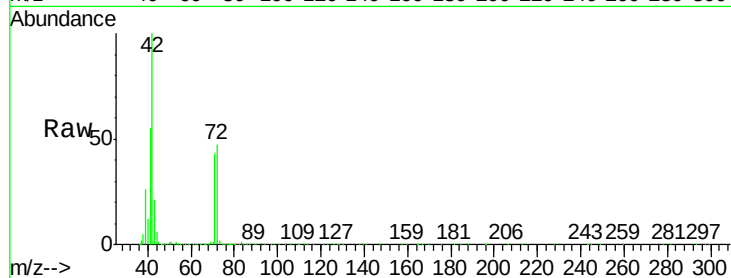




#29
Tetrahydrofuran
Concen: 110.108 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

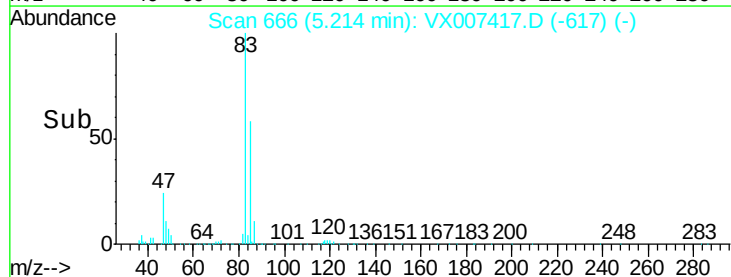
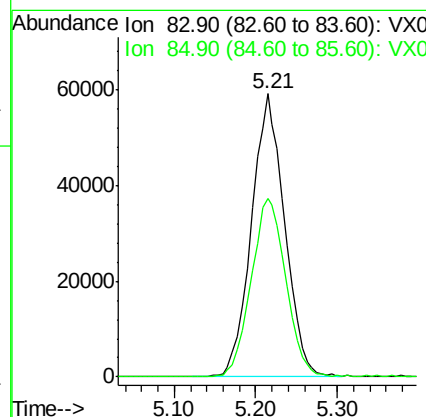
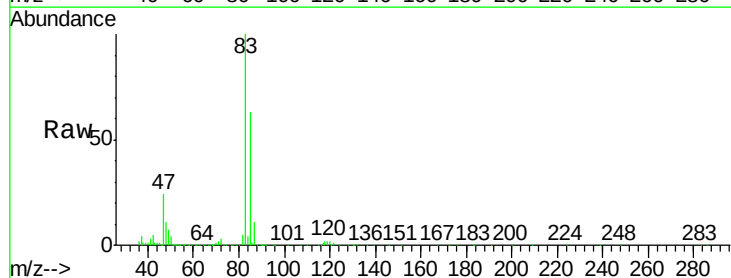
Instrument :
MSVOA_X
ClientSampled :

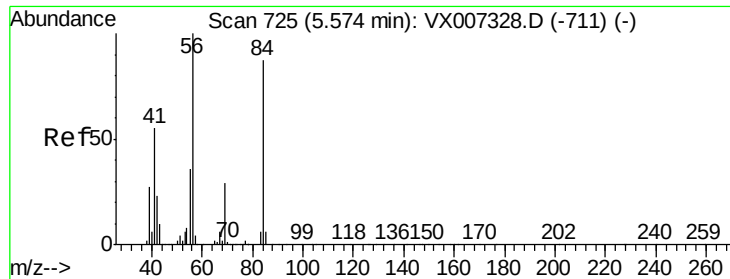
Tot Ion: 42 Resp: 231426
Ion Ratio Lower Upper
42 100
72 47.4 37.6 56.4
71 43.8 34.6 51.8



#30
Chloroform
Concen: 20.199 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 83 Resp: 167295
Ion Ratio Lower Upper
83 100
85 62.7 51.6 77.4

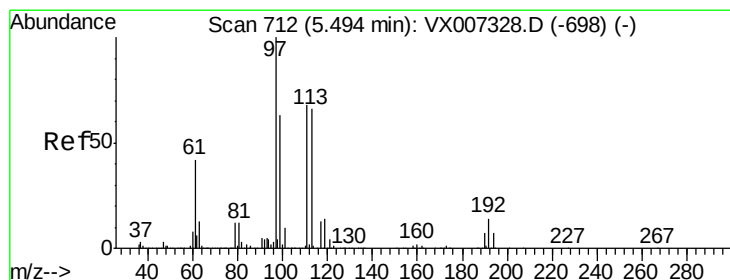
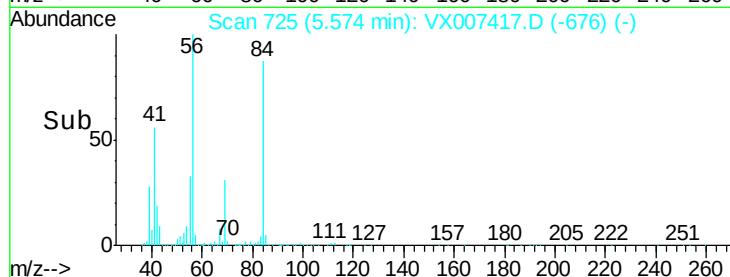
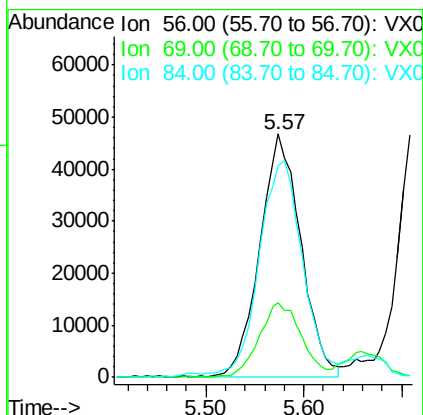
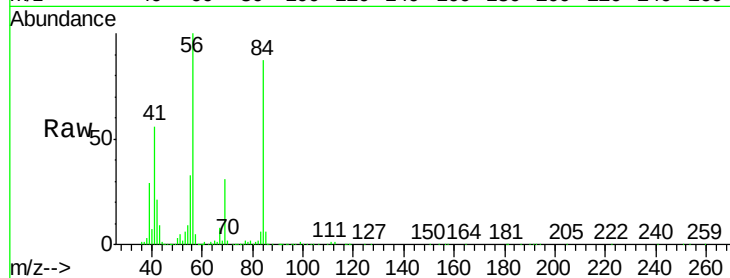




#31
Cyclohexane
Concen: 19.090 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

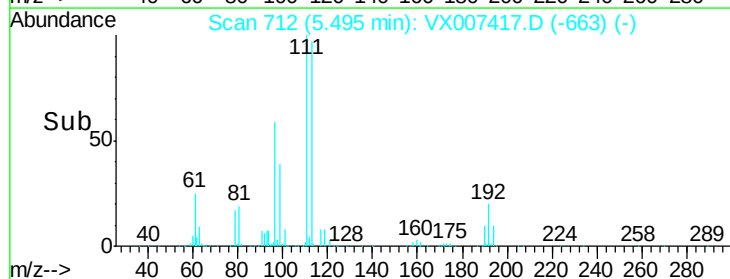
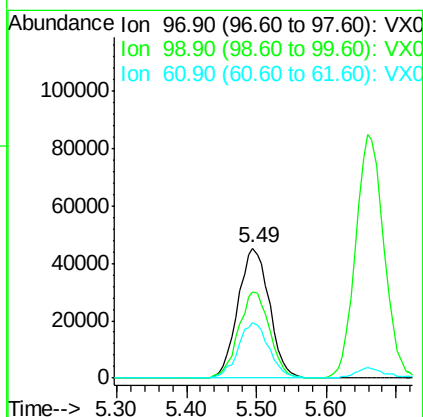
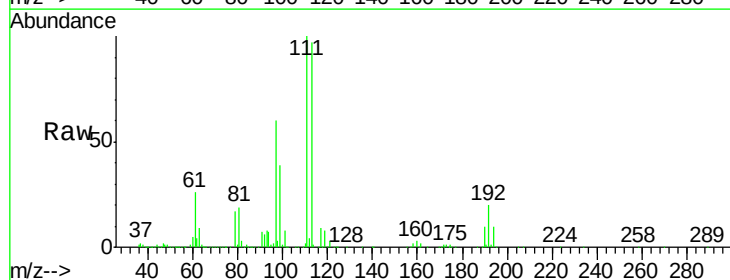
Instrument :
MSVOA_X
ClientSampleId :

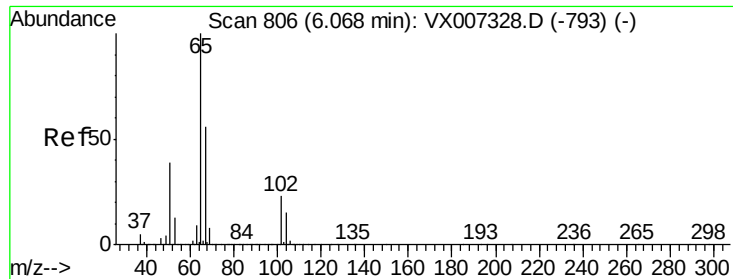
Tot Ion: 56 Resp: 136085
Ion Ratio Lower Upper
56 100
69 30.4 23.0 34.6
84 85.4 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 20.298 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 97 Resp: 141907
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.2
61 41.3 32.7 49.1

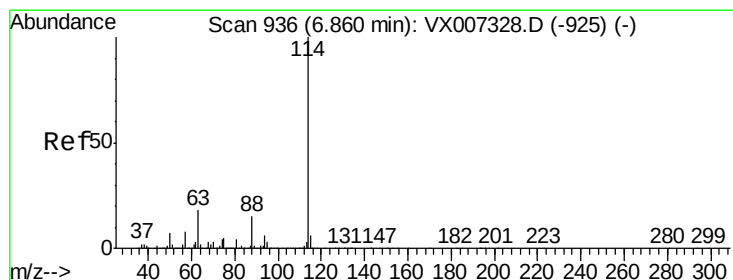
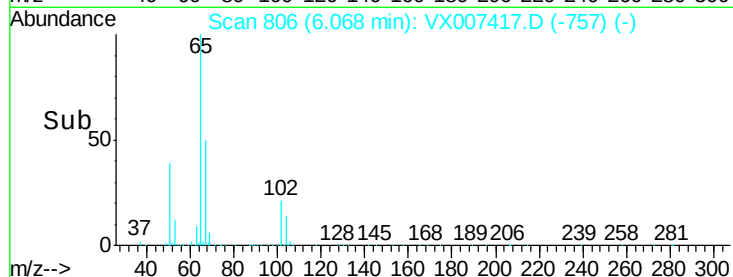
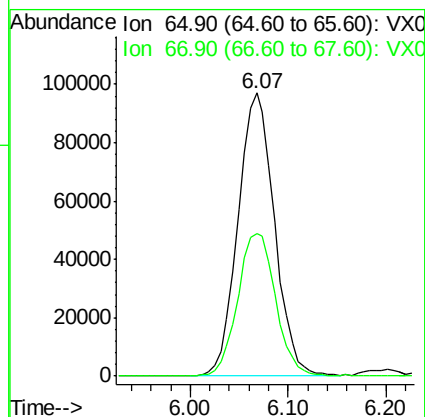
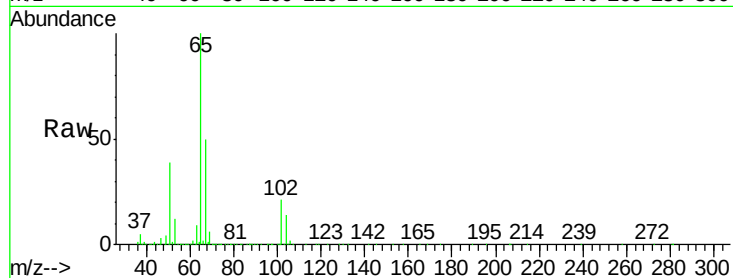




#33
 1,2-Dichloroethane-d4
 Concen: 48.754 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

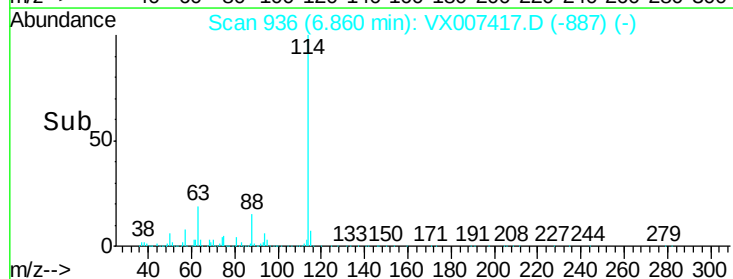
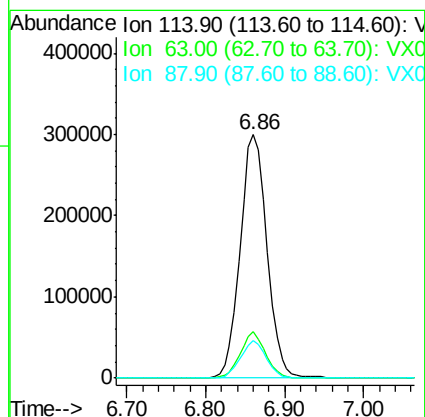
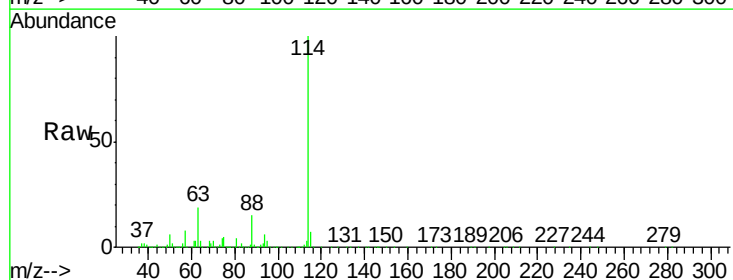
Instrument :
 MSVOA_X
 ClientSampled :

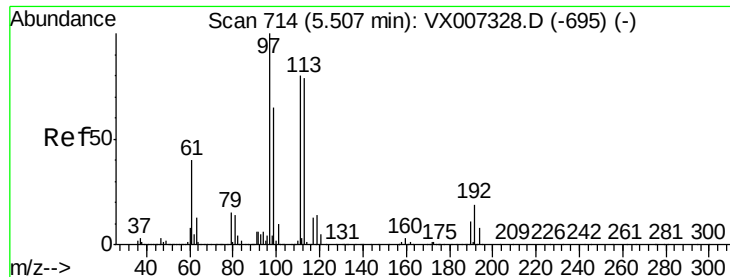
Tot Ion: 65 Resp: 249931
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

Tgt Ion: 114 Resp: 709034
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.6
 88 15.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.795 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

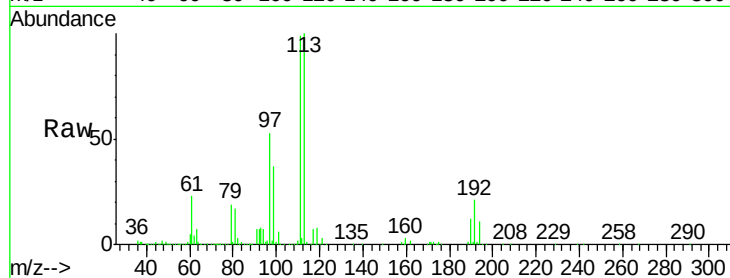
Tot Ion:113 Resp: 225111

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

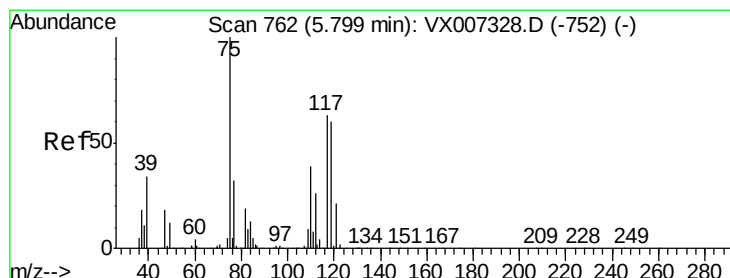
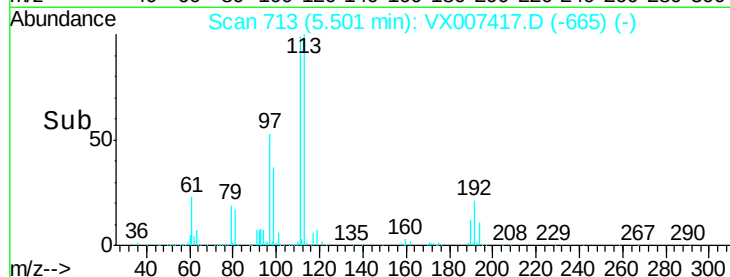
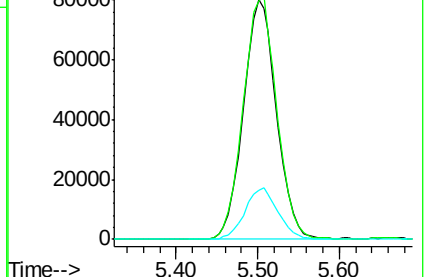
192 21.5 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.948 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

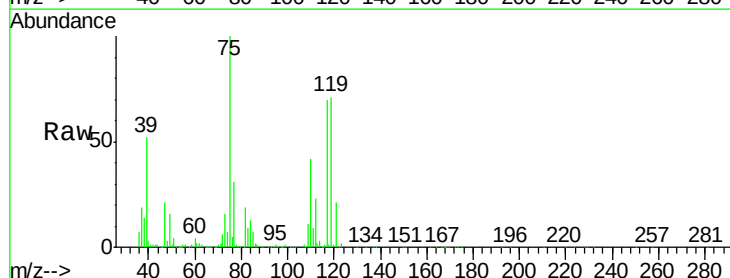
Tgt Ion: 75 Resp: 120544

Ion Ratio Lower Upper

75 100

110 40.4 20.0 59.9

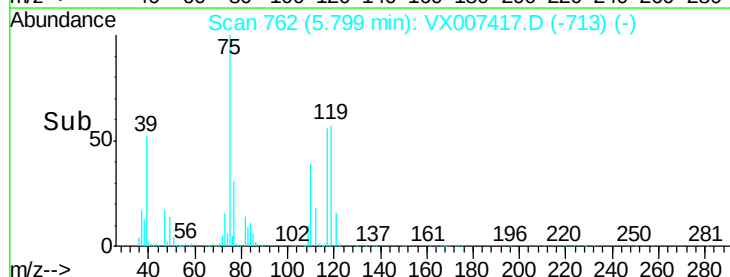
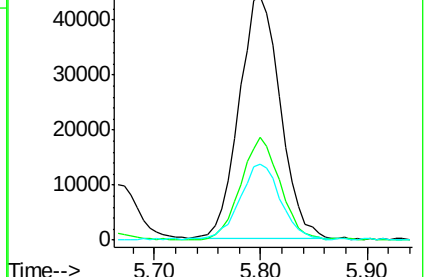
77 30.9 24.7 37.1

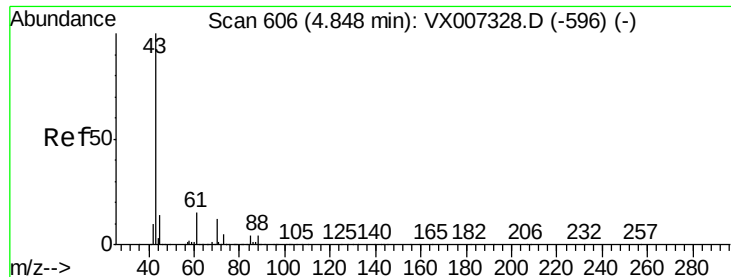


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

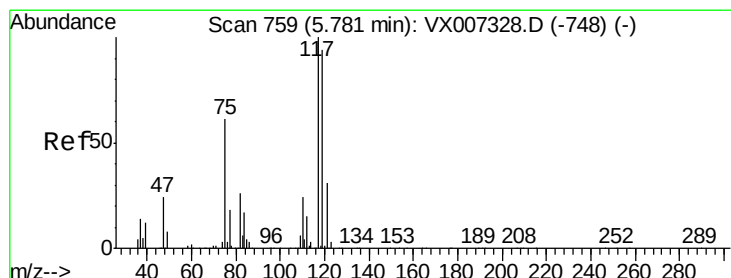
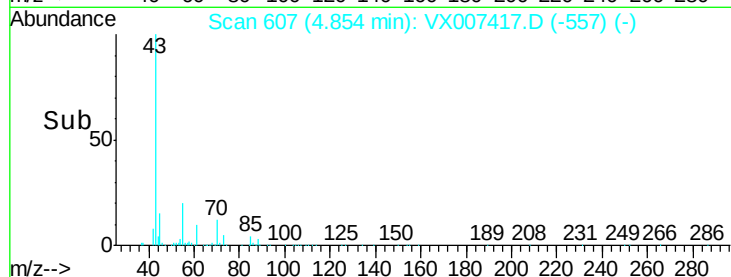
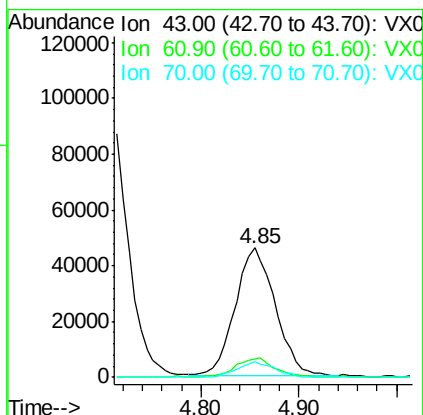
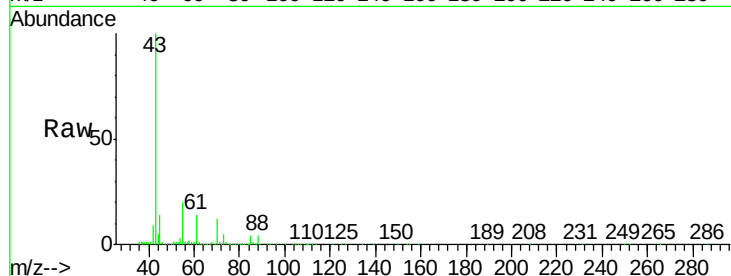




#37
Ethyl Acetate
Concen: 20.387 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

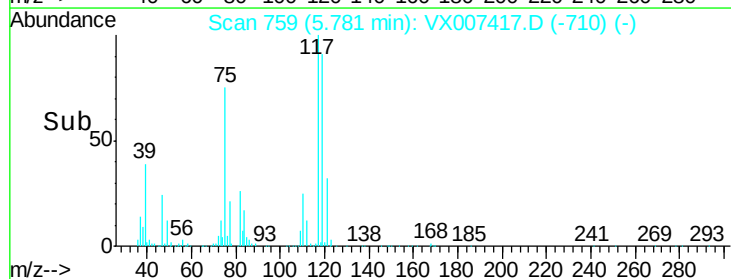
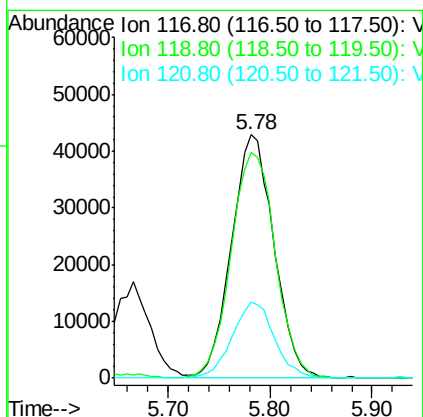
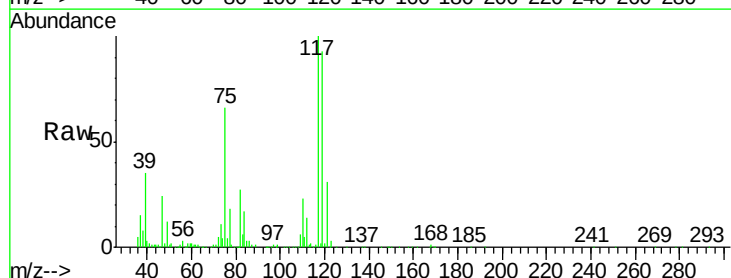
Instrument :
MSVOA_X
ClientSampled :

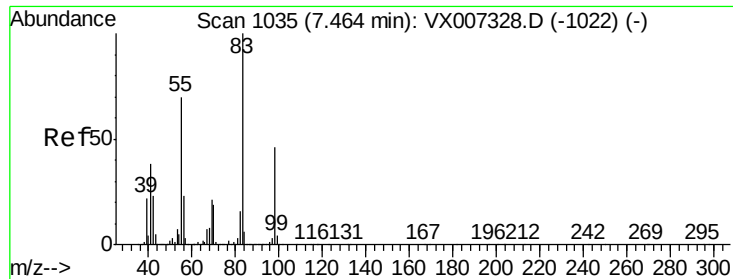
Tot Ion: 43 Resp: 131104
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 11.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.093 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 117 Resp: 124009
Ion Ratio Lower Upper
117 100
119 92.3 75.3 112.9
121 31.2 25.0 37.4

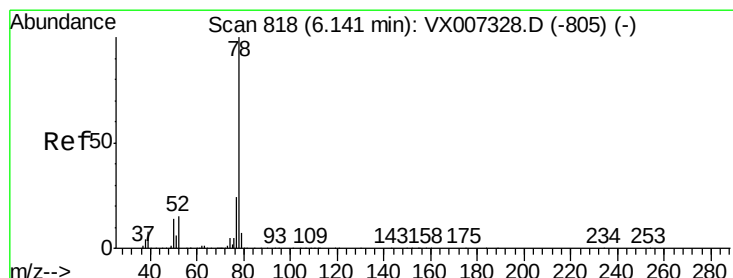
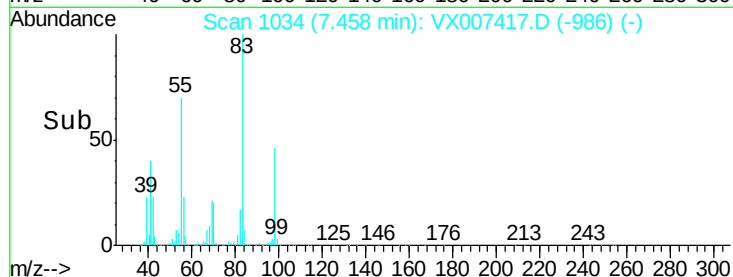
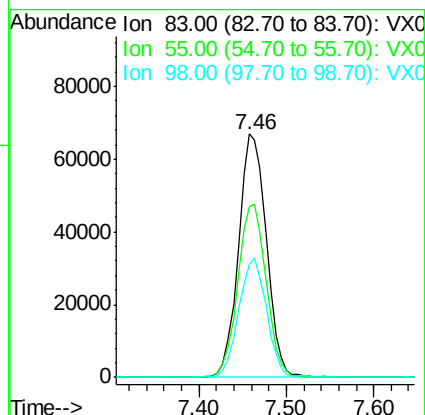
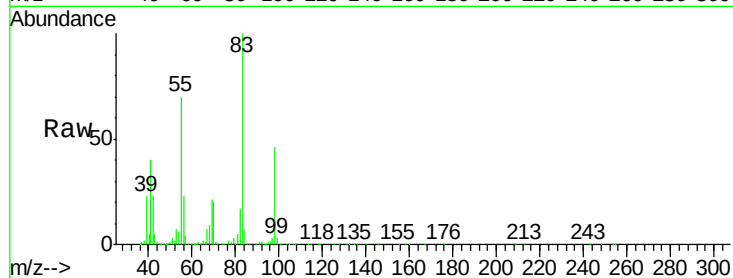




#39
Methylvlcyclohexane
Concen: 19.258 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

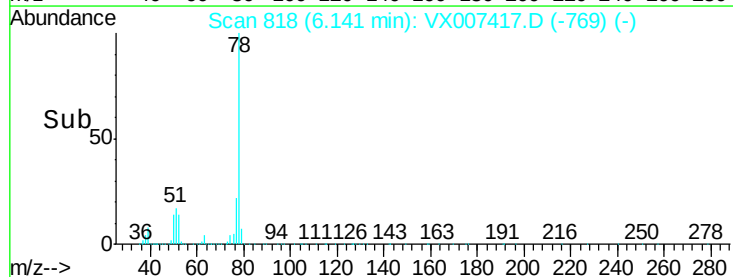
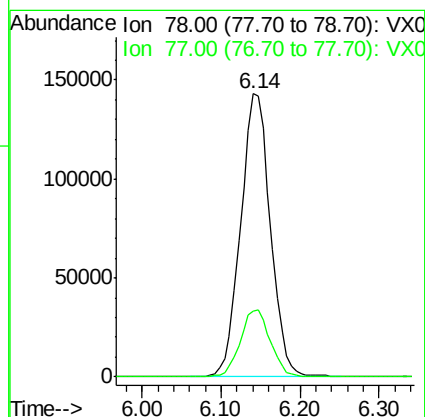
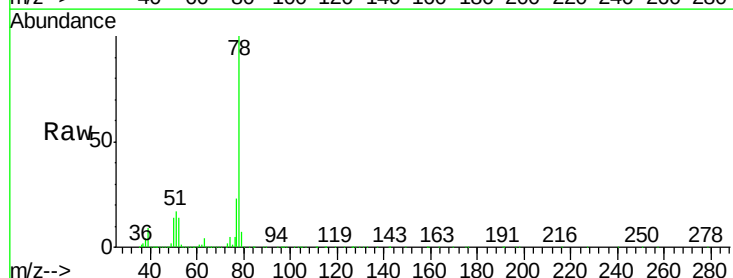
Instrument :
MSVOA_X
ClientSampleId :

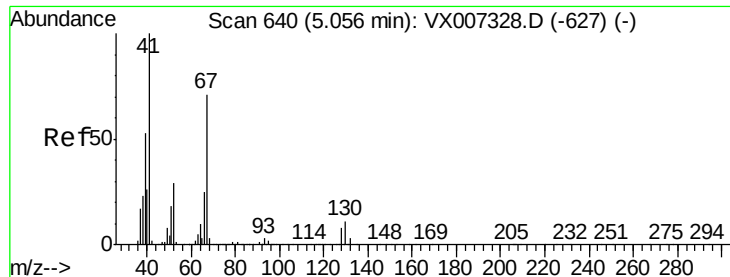
Tot Ion: 83 Resp: 148233
Ion Ratio Lower Upper
83 100
55 70.2 56.2 84.2
98 46.3 36.8 55.2



#40
Benzene
Concen: 20.018 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 78 Resp: 375126
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9





#41

Methacrylonitrile

Concen: 21.093 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

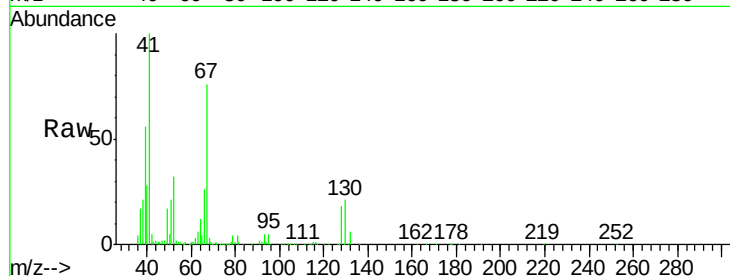
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 72700

Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.5	66.7
67	76.3	60.4	90.6
52	30.0	24.1	36.1

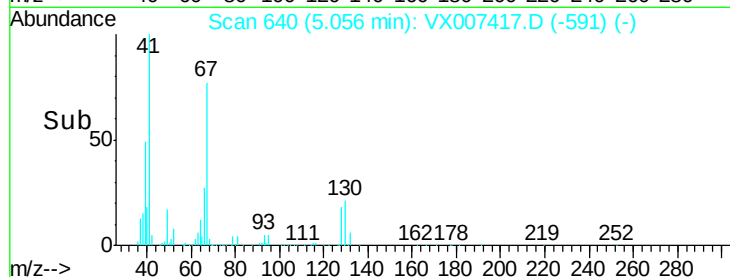


Abundance Ion 41.00 (40.70 to 41.70): VX0

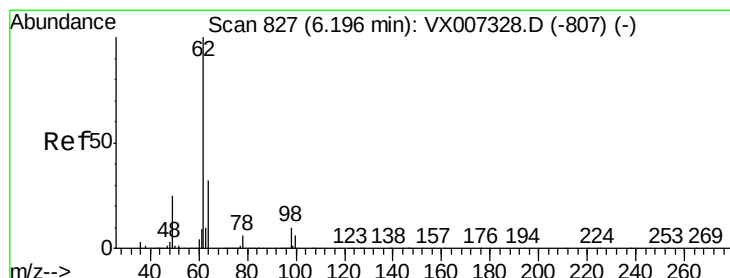
Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#42

1,2-Dichloroethane

Concen: 19.990 ug/l

RT: 6.20 min Scan# 827

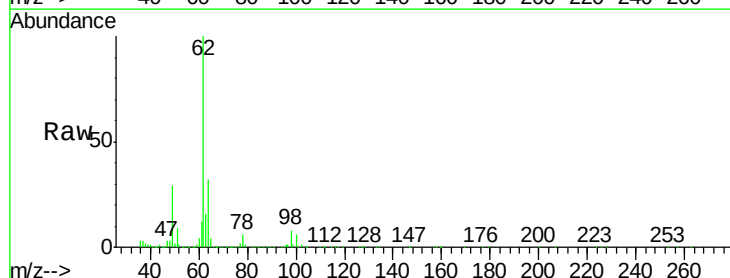
Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

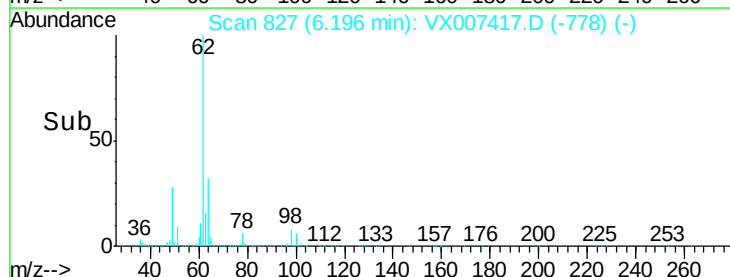
Tgt Ion: 62 Resp: 129612

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0

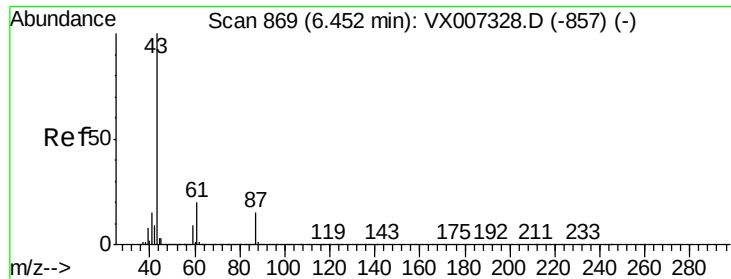


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#43

Isopropyl Acetate

Concen: 20.881 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

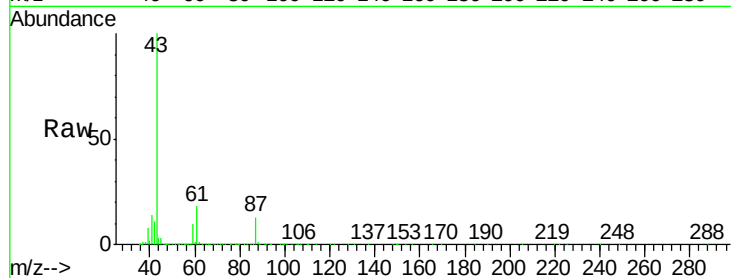
Tot Ion: 43 Resp: 207274

Ion Ratio Lower Upper

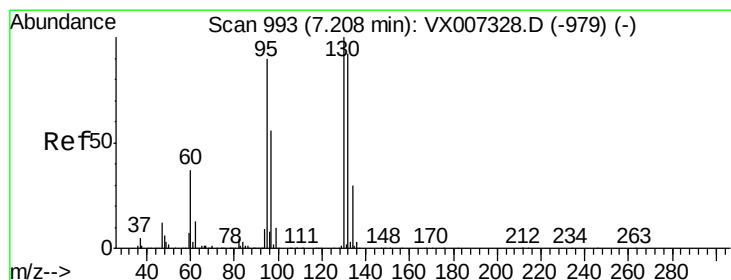
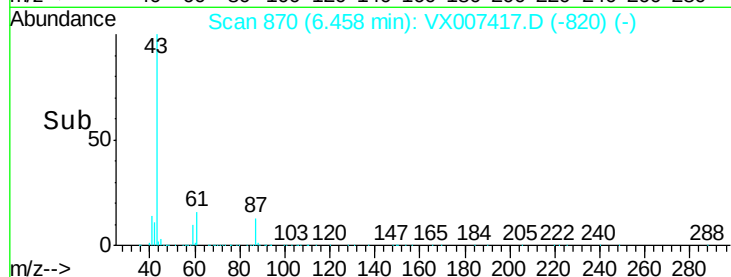
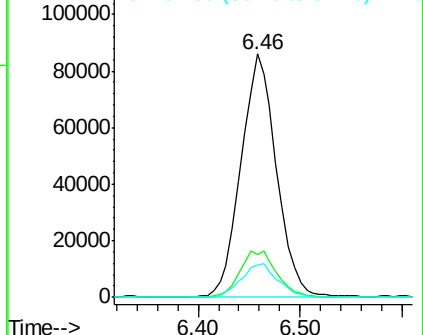
43 100

61 19.9 16.1 24.1

87 14.3 11.5 17.3



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: 18.911 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007417.D

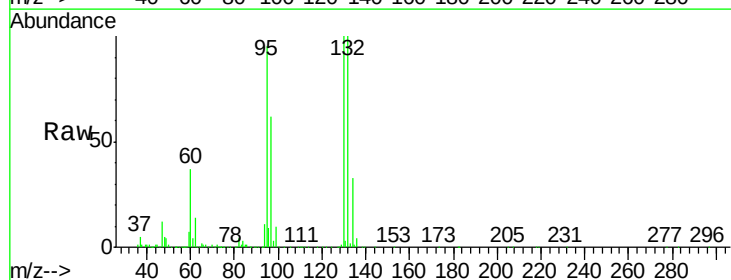
Acq: 07 Feb 2019 11:36

Tgt Ion:130 Resp: 106734

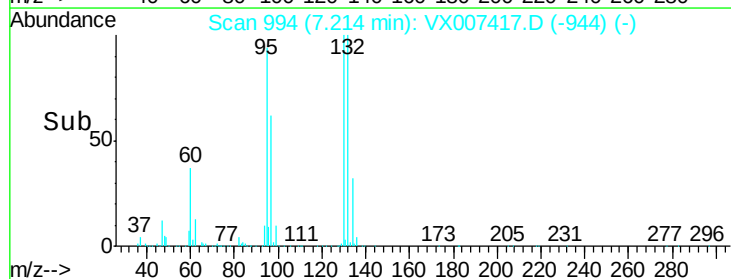
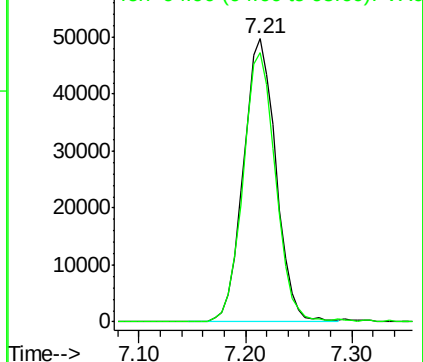
Ion Ratio Lower Upper

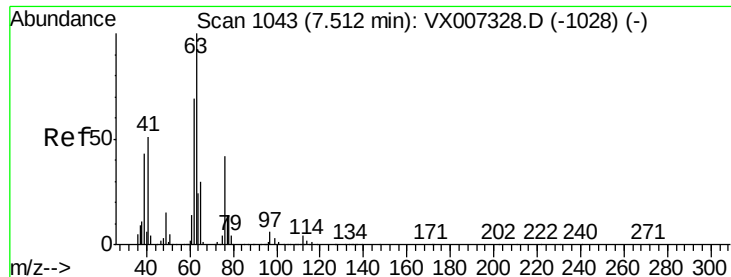
130 100

95 95.0 0.0 180.0



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





#45

1,2-Dichloropropane

Concen: 20.020 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

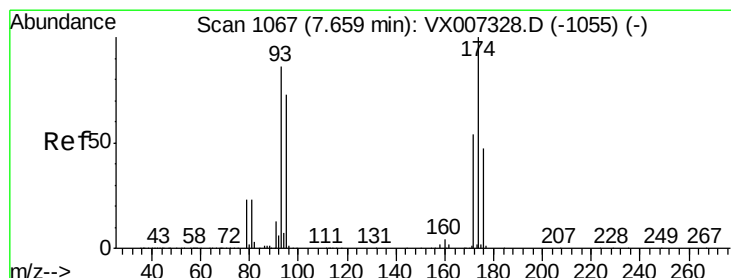
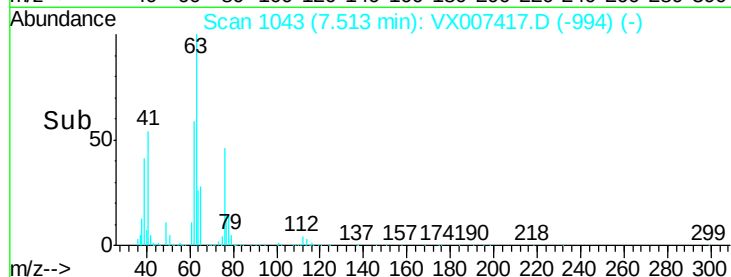
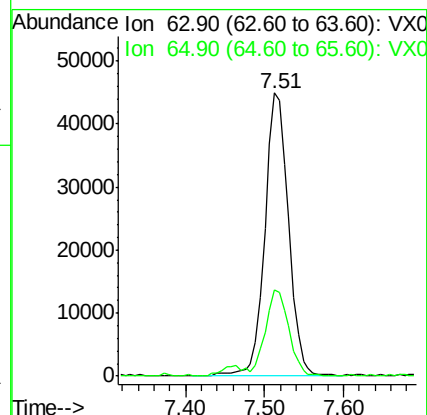
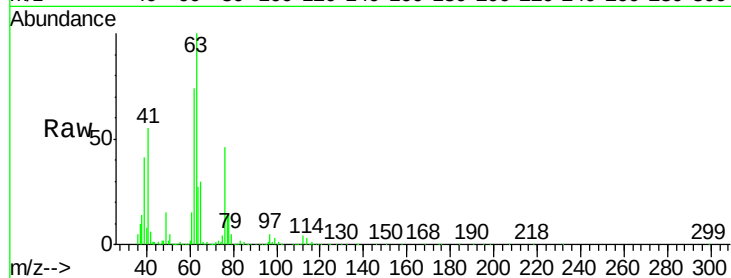
ClientSampled :

Tot Ion: 63 Resp: 93998

Ion Ratio Lower Upper

63 100

65 30.1 24.2 36.2



#46

Dibromomethane

Concen: 19.233 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

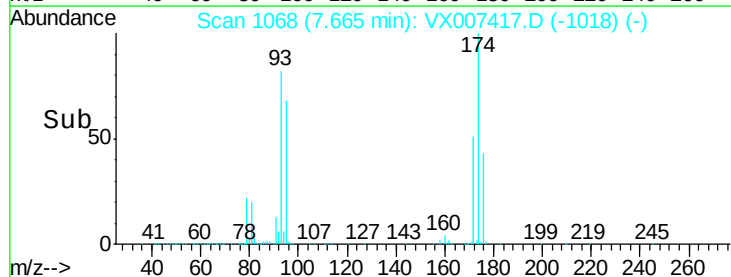
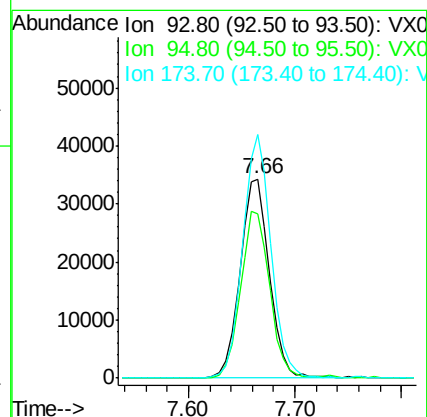
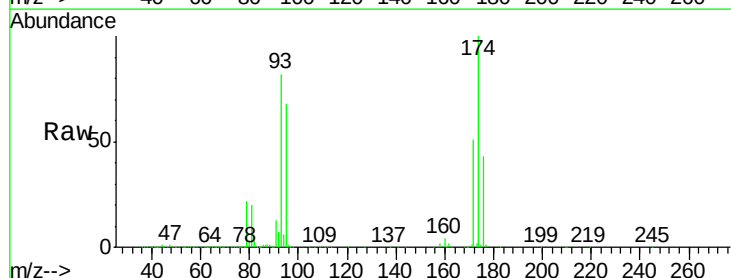
Tgt Ion: 93 Resp: 65633

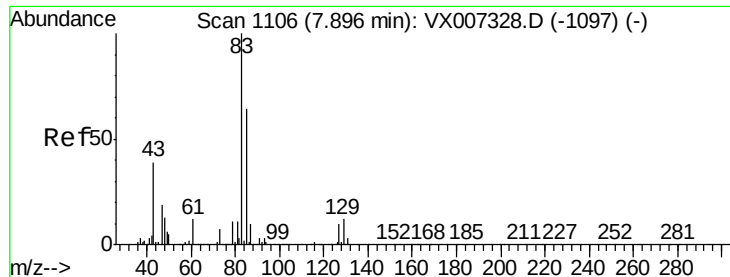
Ion Ratio Lower Upper

93 100

95 83.8 67.6 101.4

174 119.4 94.2 141.4





#47

Bromodichloromethane

Concen: 19.436 ug/l

RT: 7.90 min Scan# 1106

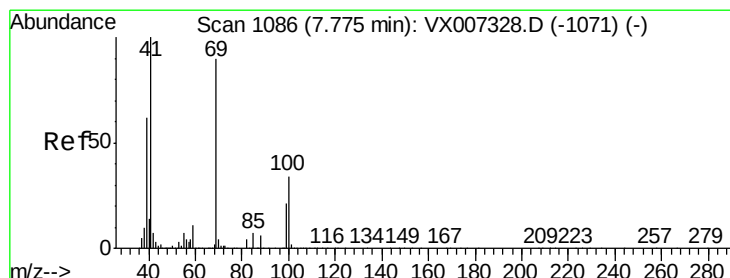
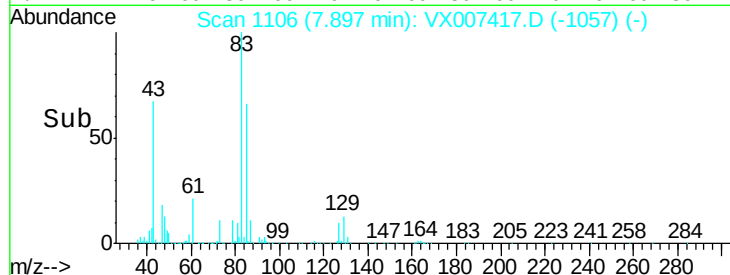
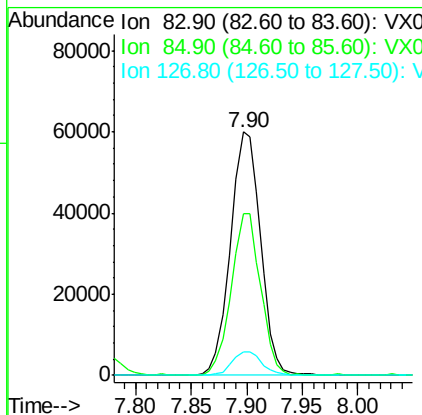
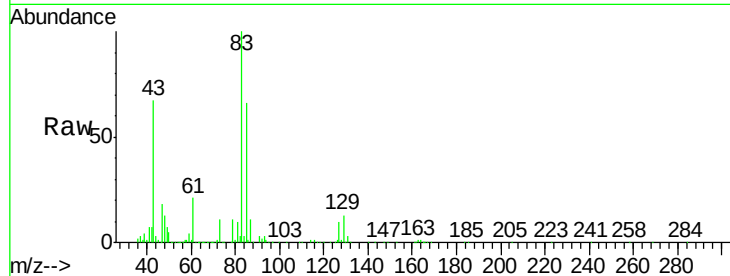
Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	83	Resp:	112408
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.0
127	9.6	8.1	12.1



#48

Methyl methacrylate

Concen: 21.547 ug/l

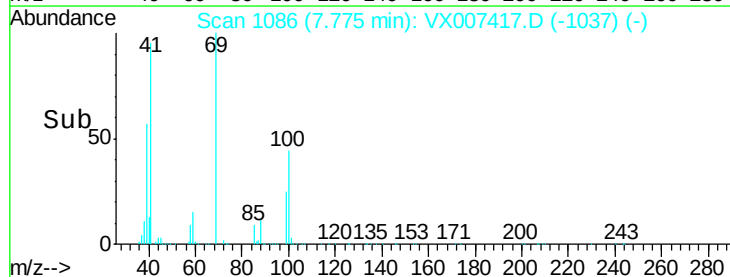
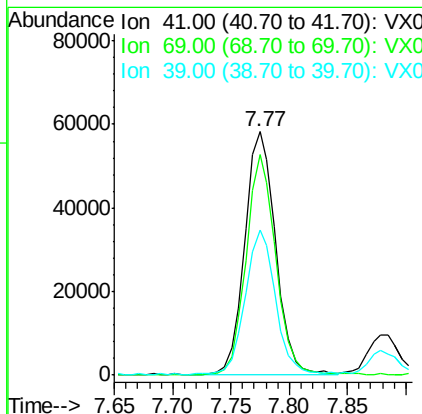
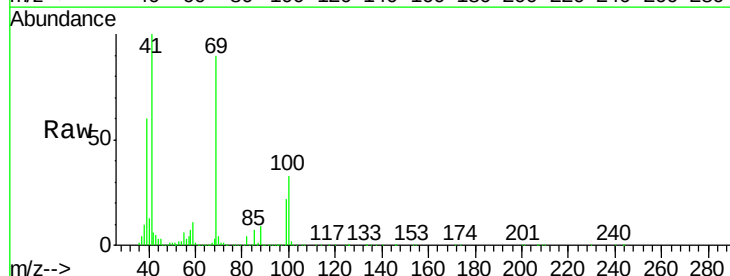
RT: 7.77 min Scan# 1086

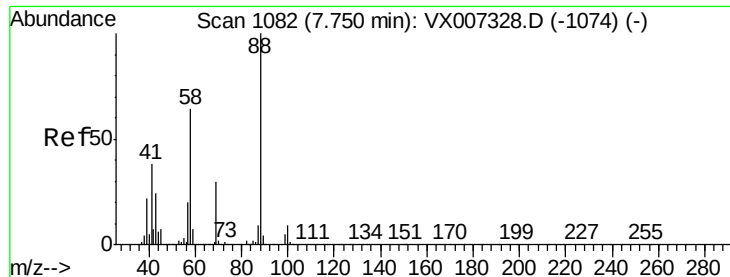
Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Tgt Ion:	41	Resp:	106980
Ion	Ratio	Lower	Upper
41	100		
69	88.4	70.2	105.4
39	58.4	47.4	71.0





#49

1,4-Dioxane

Concen: 467.886 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :
MSVOA_X
ClientSampleId :

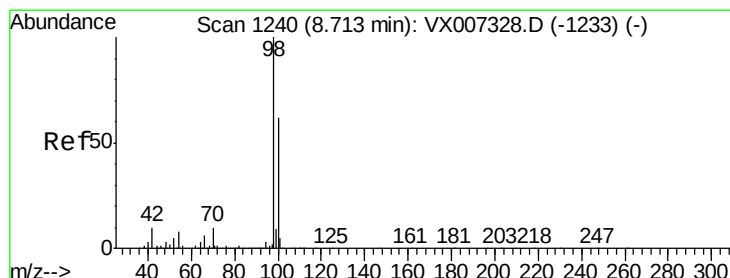
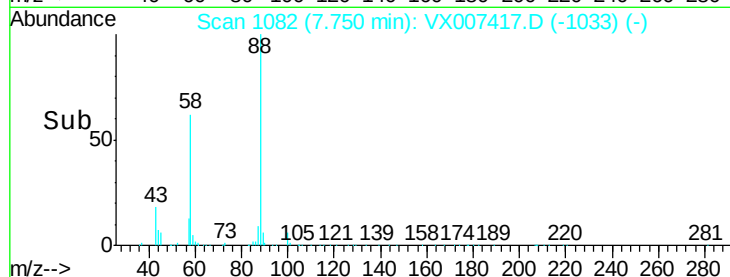
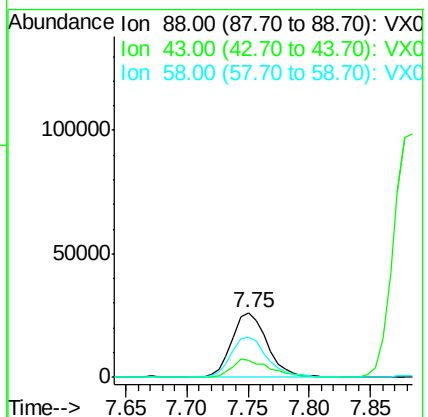
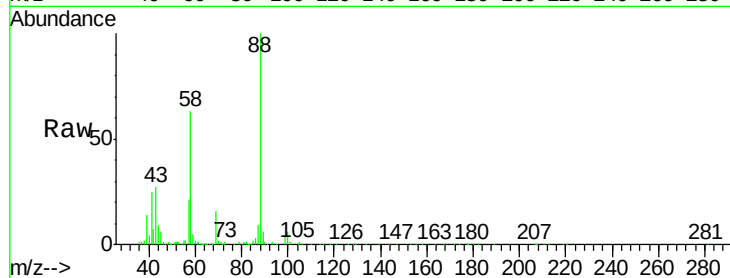
Tot Ion: 88 Resp: 52415

Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.2	36.4
58	64.3	53.0	79.4

88 100

43 29.4 24.2 36.4

58 64.3 53.0 79.4



#50

Toluene-d8

Concen: 48.844 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007417.D

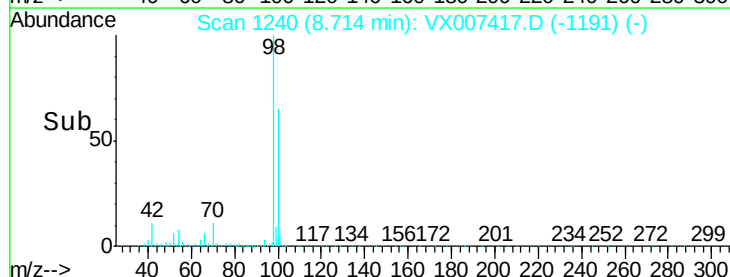
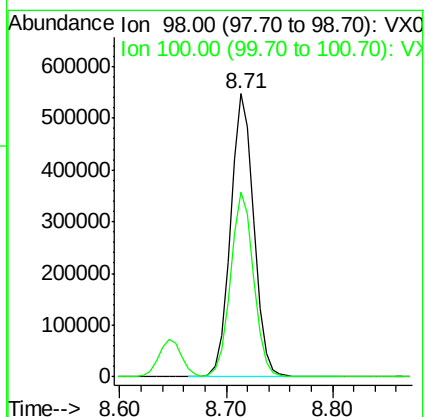
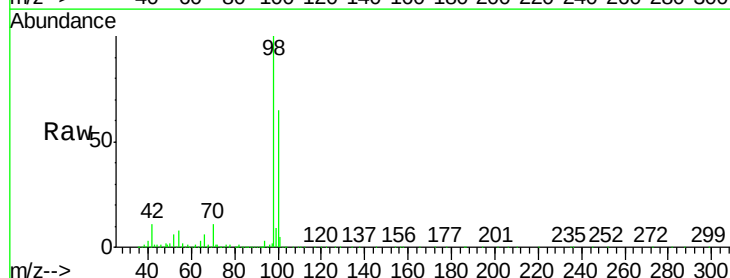
Acq: 07 Feb 2019 11:36

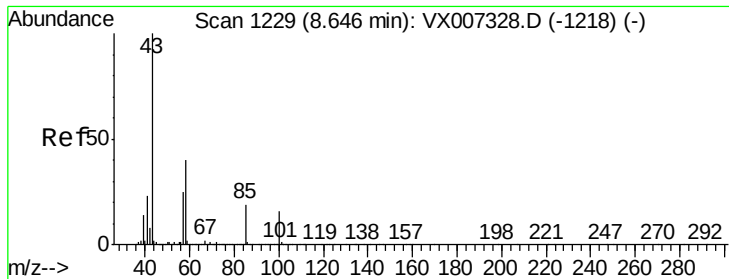
Tgt Ion: 98 Resp: 836039

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4

98 100

100 64.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 107.315 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

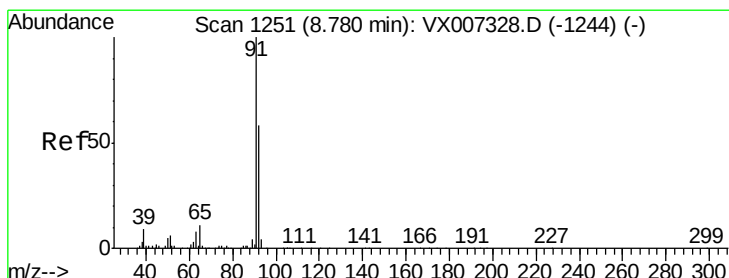
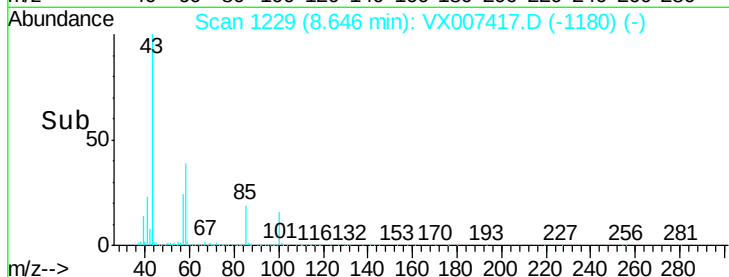
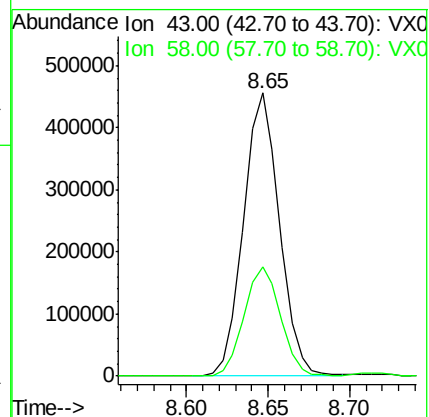
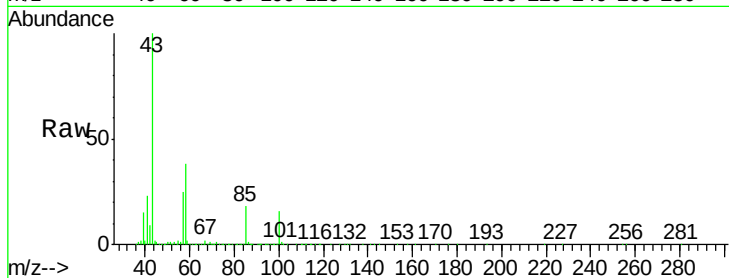
ClientSampleId :

Tot Ion: 43 Resp: 701249

Ion Ratio Lower Upper

43 100

58 38.9 31.2 46.8



#52

Toluene

Concen: 19.980 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007417.D

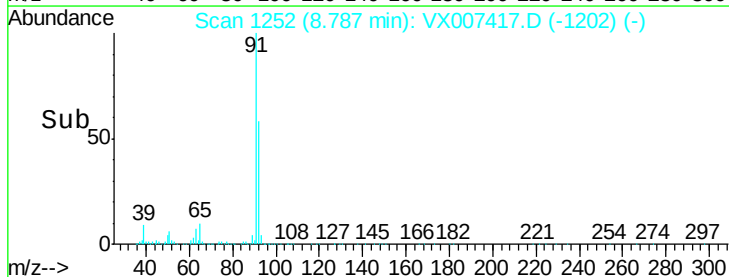
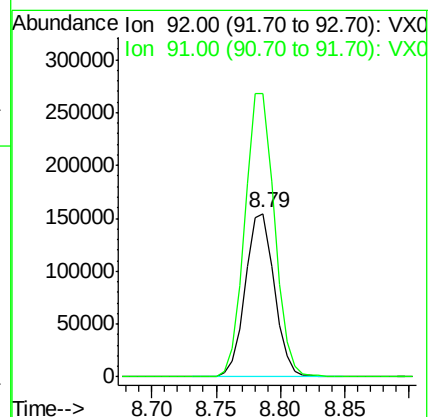
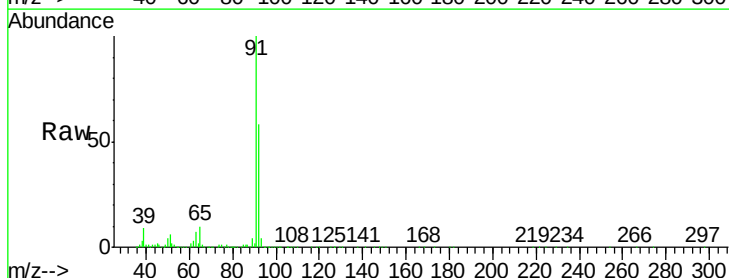
Acq: 07 Feb 2019 11:36

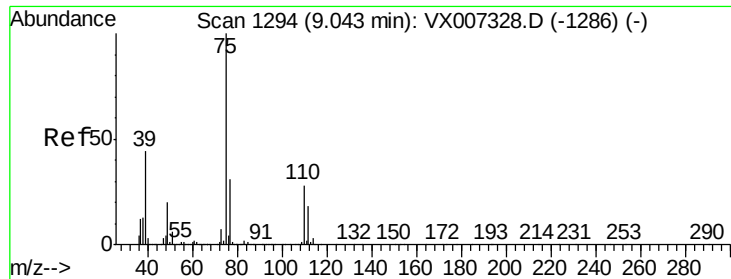
Tgt Ion: 92 Resp: 241571

Ion Ratio Lower Upper

92 100

91 176.1 139.1 208.7

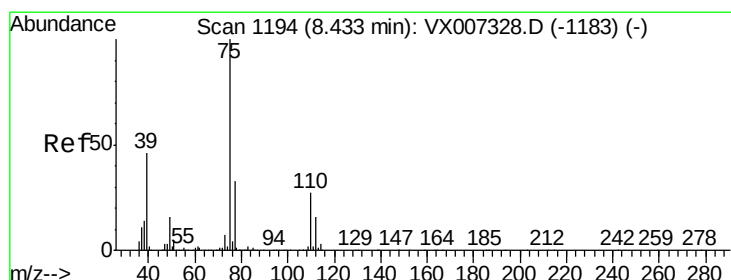
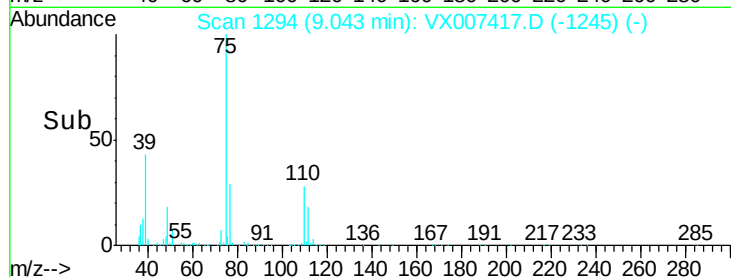
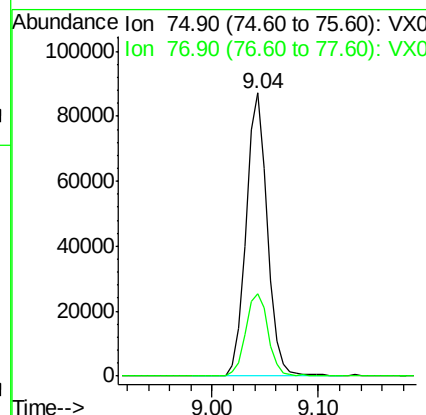
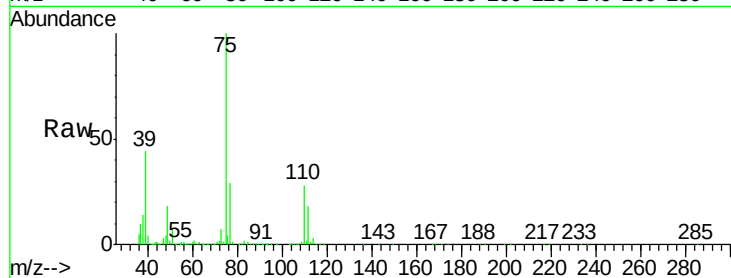




#53
t-1,3-Dichloropropene
Concen: 19.686 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

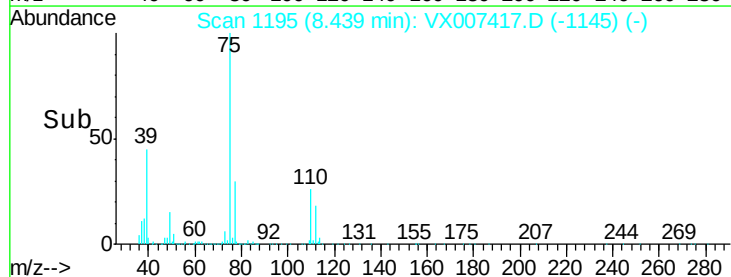
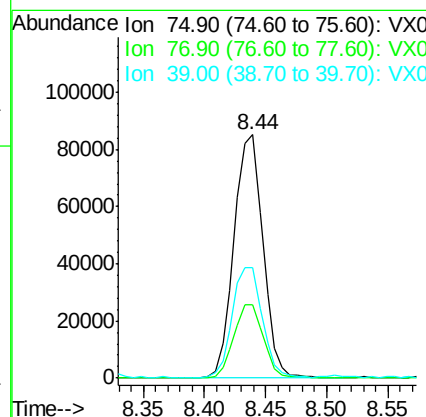
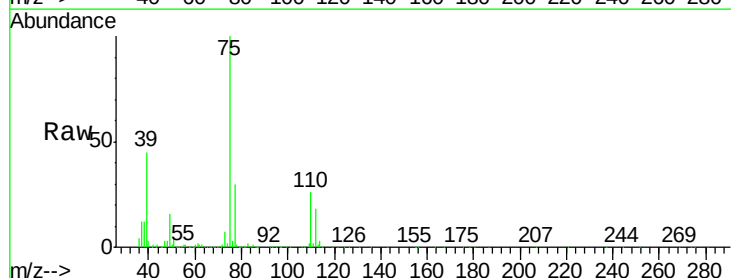
Instrument :
MSVOA_X
ClientSampleId :

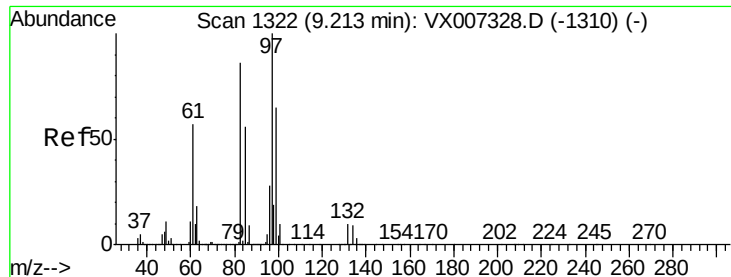
Tot Ion: 75 Resp: 122294
Ion Ratio Lower Upper
75 100
77 28.8 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 20.434 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 75 Resp: 139598
Ion Ratio Lower Upper
75 100
77 29.9 26.2 39.4
39 45.1 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 20.315 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 102384

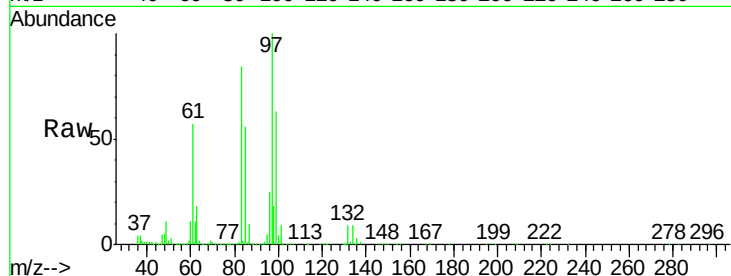
Ion Ratio Lower Upper

97 100

83 83.8 68.6 102.8

85 55.3 44.5 66.7

99 63.1 52.2 78.4

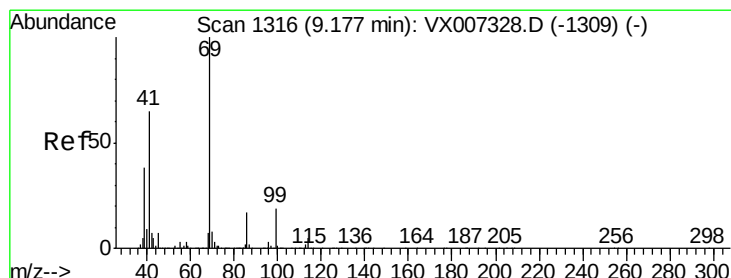
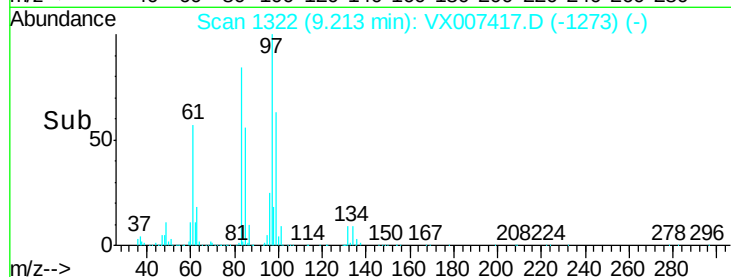
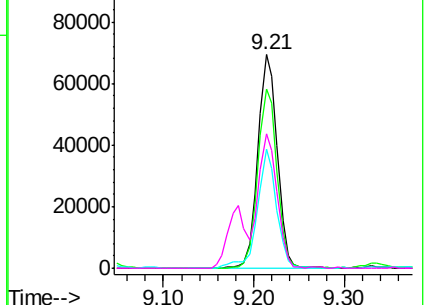


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.582 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

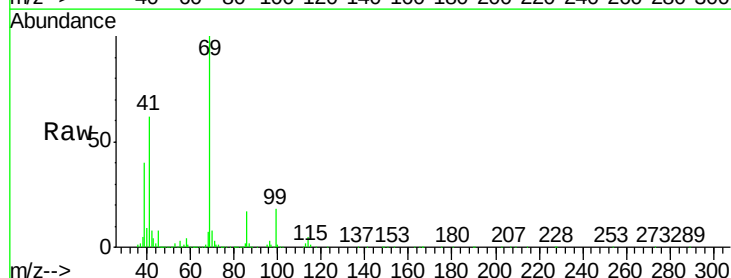
Tgt Ion: 69 Resp: 143673

Ion Ratio Lower Upper

69 100

41 61.4 52.1 78.1

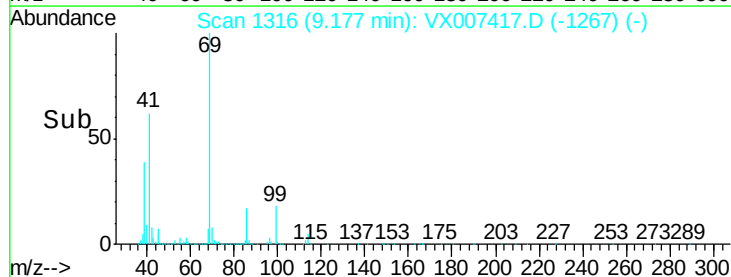
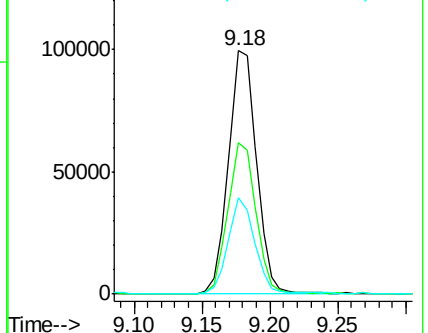
39 37.2 30.1 45.1

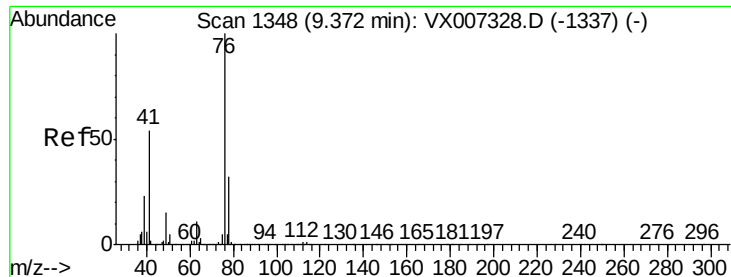


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

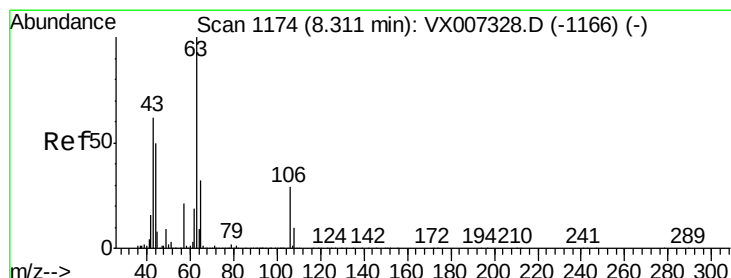
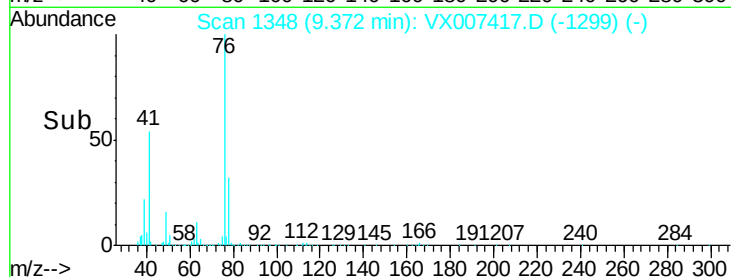
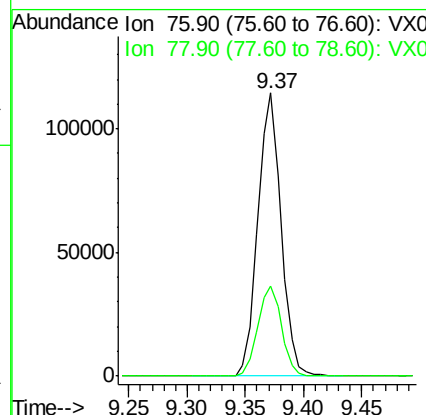
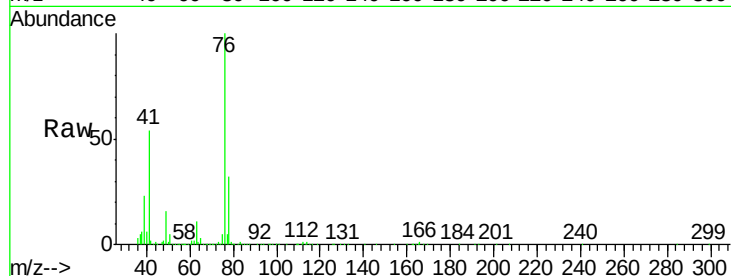




#57
 1,3-Dichloropropane
 Concen: 19.969 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

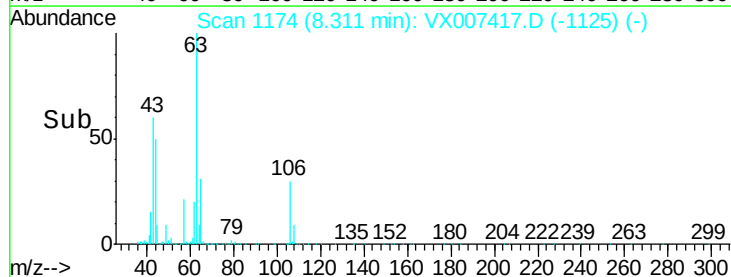
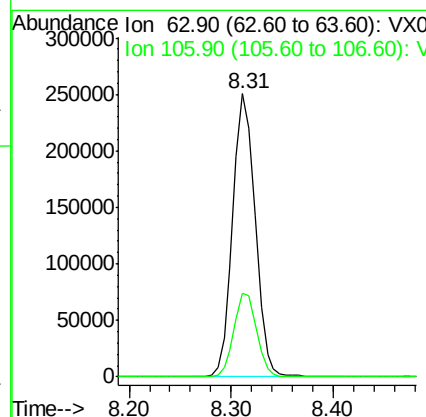
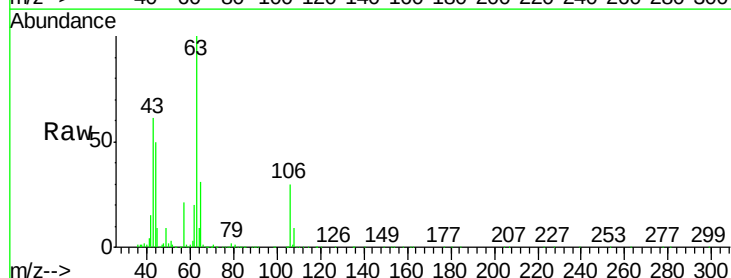
Instrument :
 MSVOA_X
 ClientSampleId :

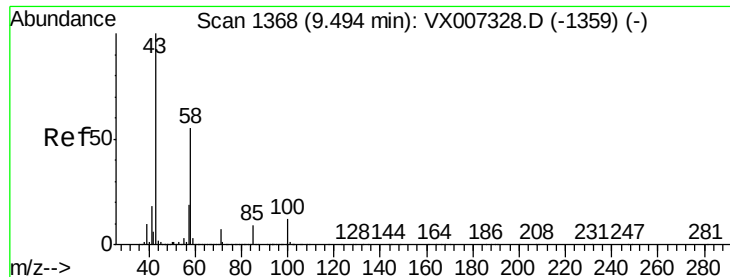
Tot Ion: 76 Resp: 160051
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.888 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

Tgt Ion: 63 Resp: 382227
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.6 35.4

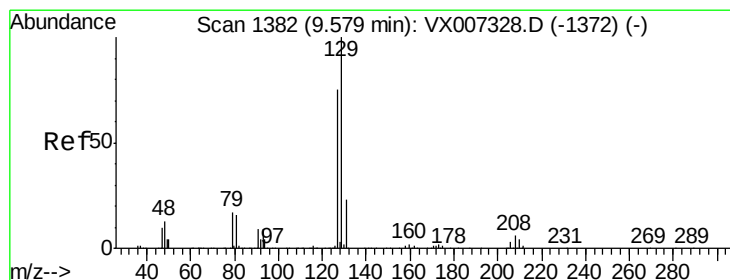
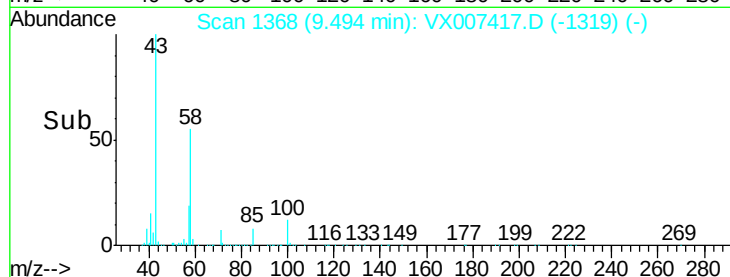
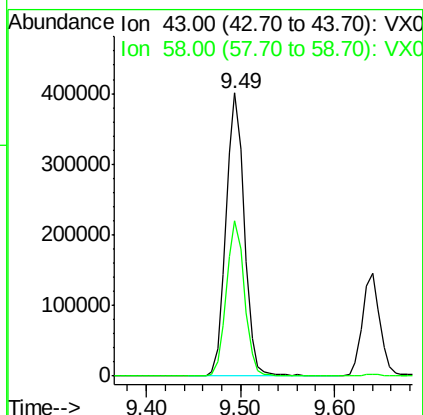
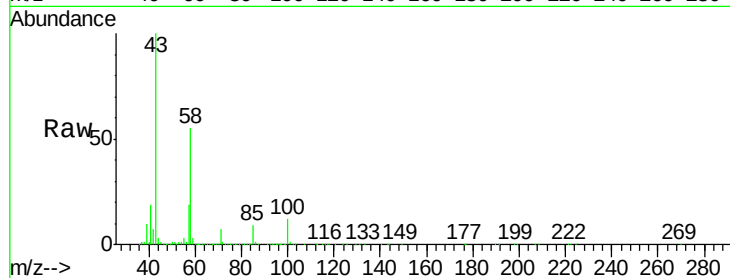




#59
2-Hexanone
Concen: 106.832 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

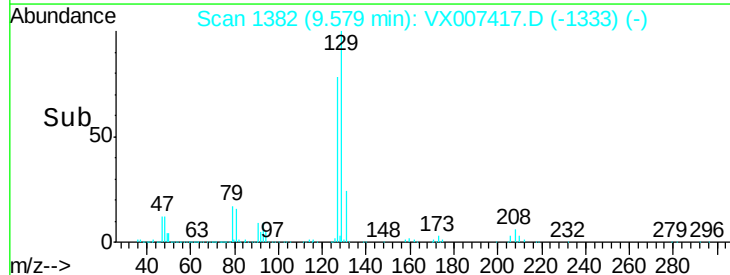
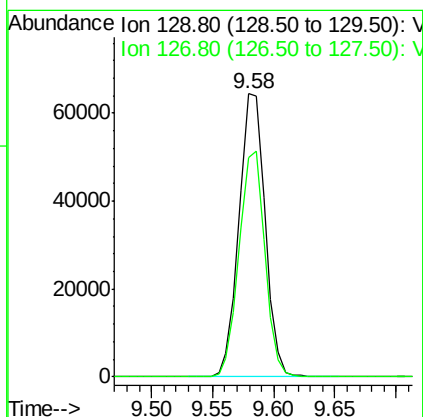
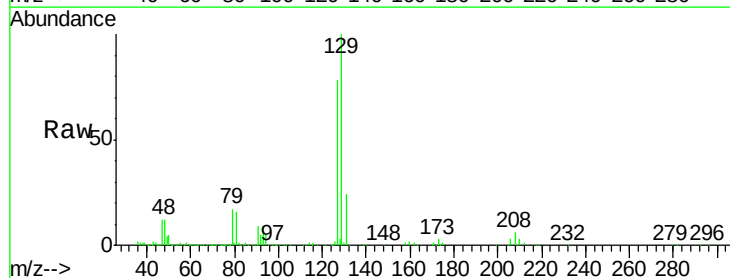
Instrument :
MSVOA_X
ClientSampled :

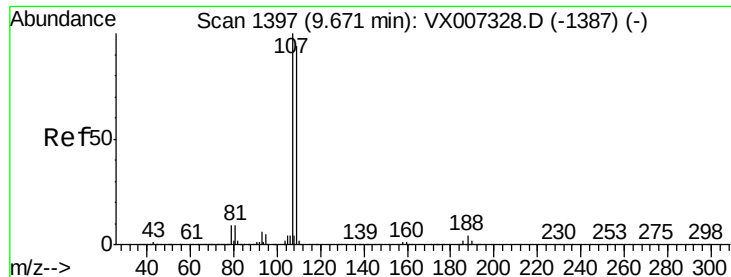
Tot Ion: 43 Resp: 543234
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.3



#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 129 Resp: 95670
Ion Ratio Lower Upper
129 100
127 78.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.734 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

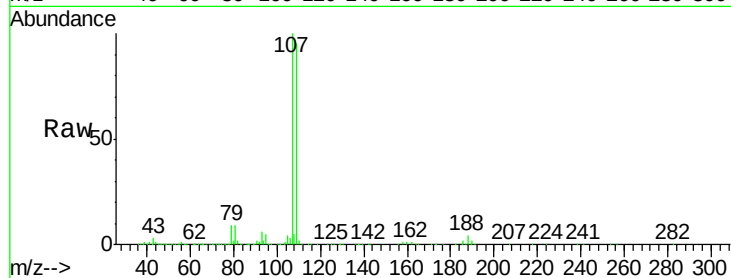
ClientSampleId :

Tot Ion:107 Resp: 110665

Ion Ratio Lower Upper

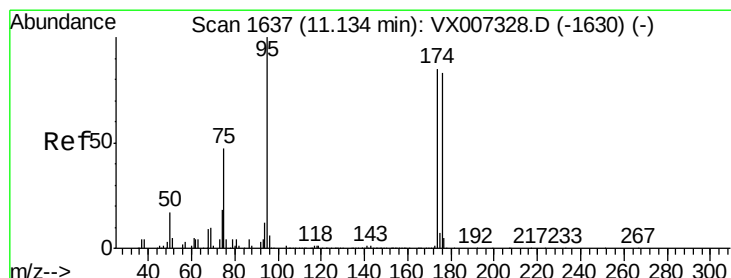
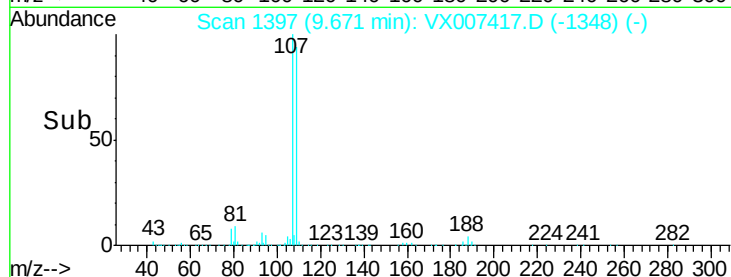
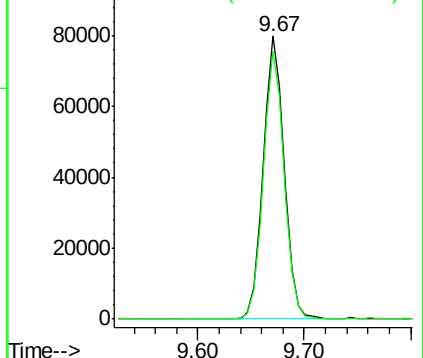
107 100

109 93.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.393 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

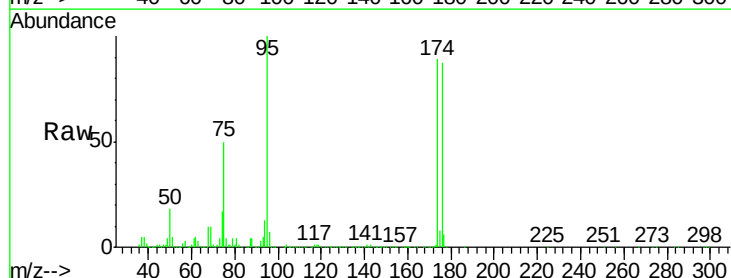
Tgt Ion: 95 Resp: 296173

Ion Ratio Lower Upper

95 100

174 95.5 0.0 189.2

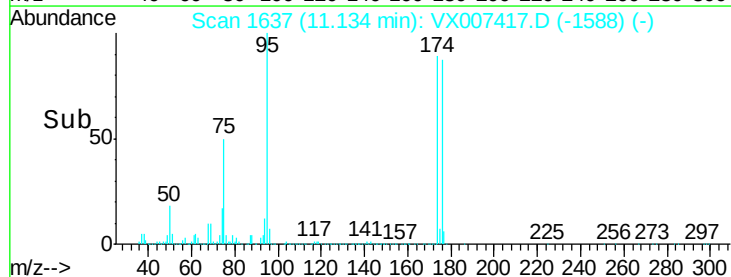
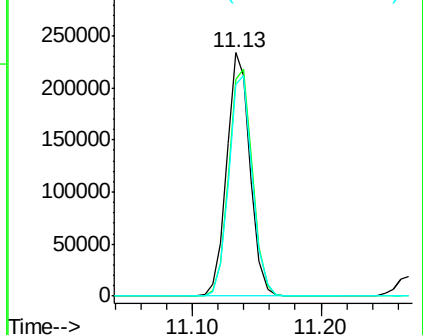
176 91.9 0.0 186.2

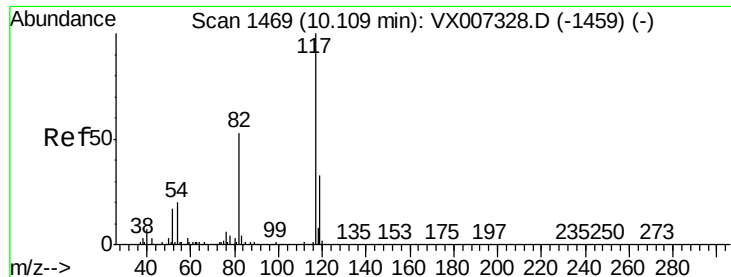


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

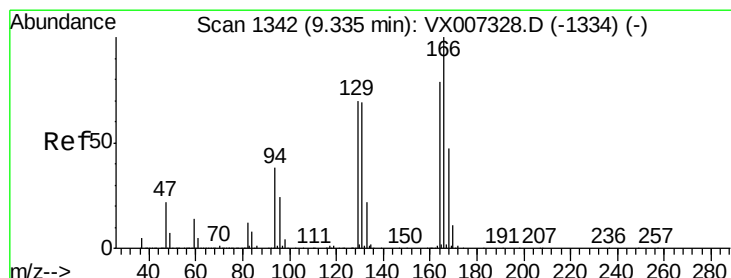
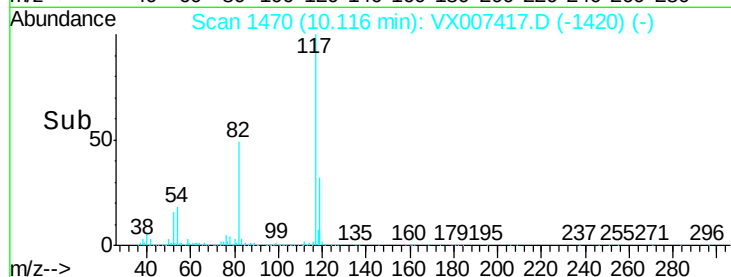
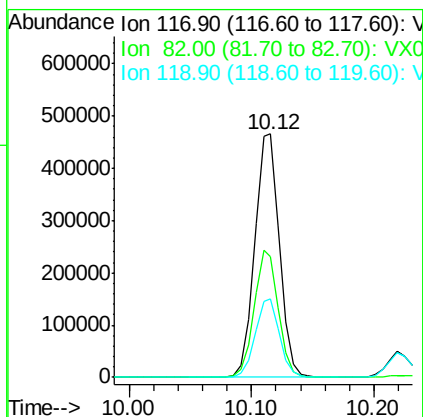
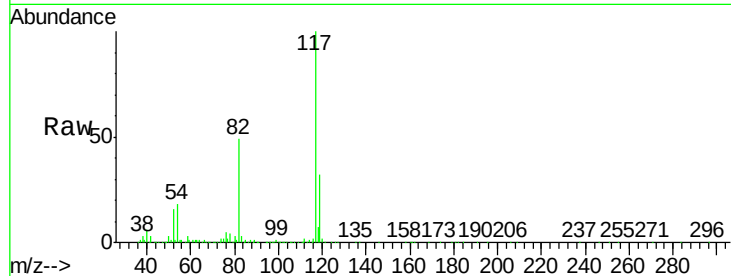




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

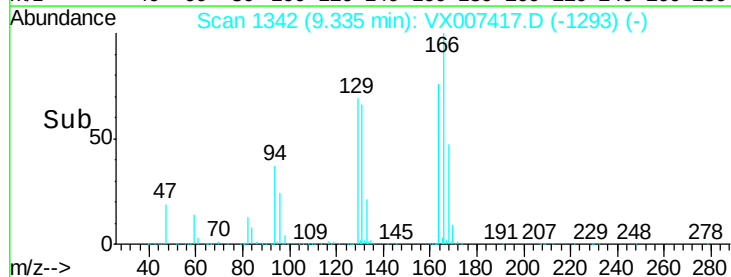
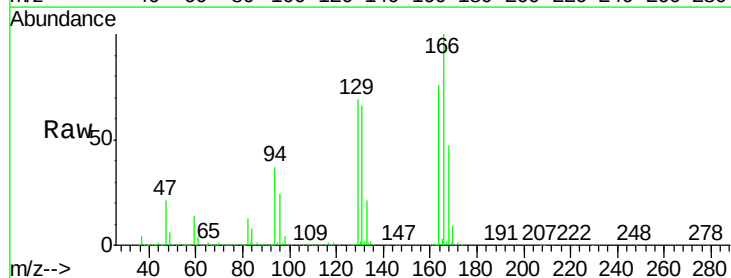
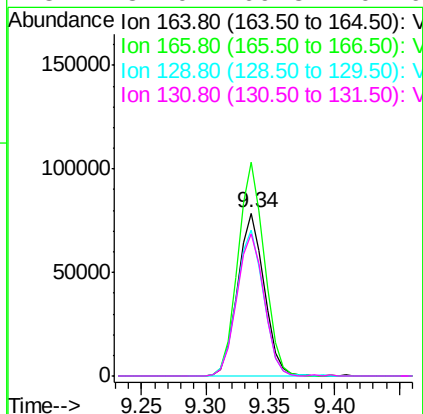
Instrument :
MSVOA_X
ClientSampleId :

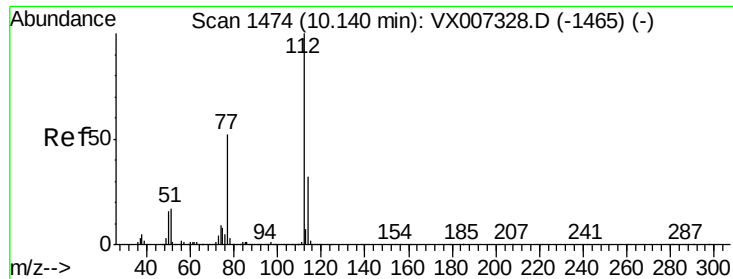
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	42.1	63.1
119	32.3	26.5	39.7



#64
Tetrachloroethene
Concen: 18.320 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.0	151.4
129	89.7	70.5	105.7
131	87.0	69.8	104.6

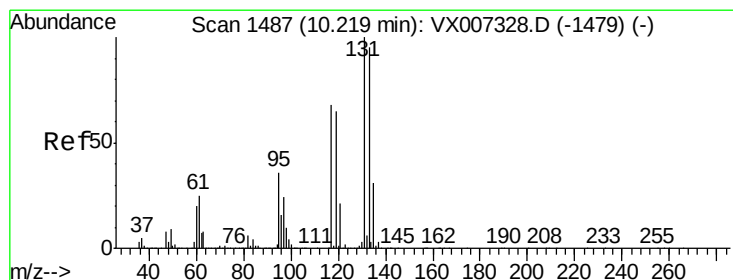
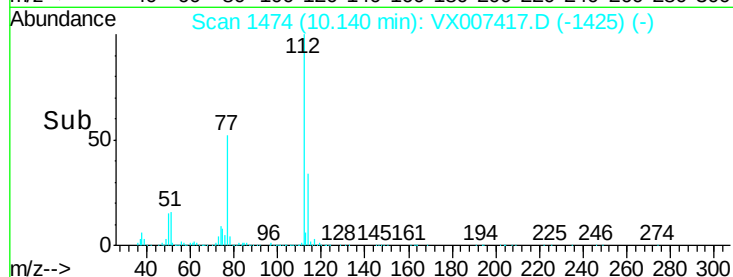
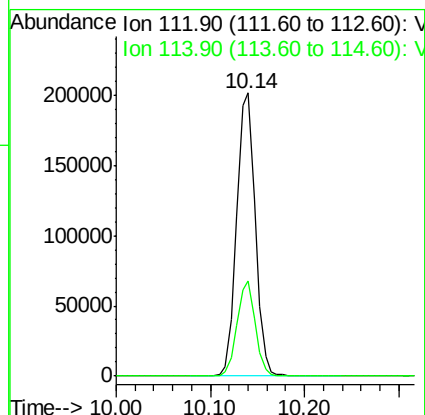
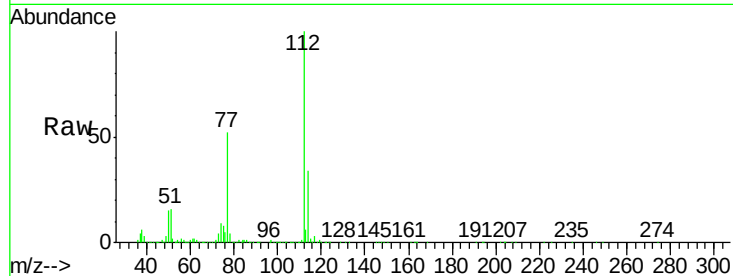




#65
Chlorobenzene
Concen: 19.316 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

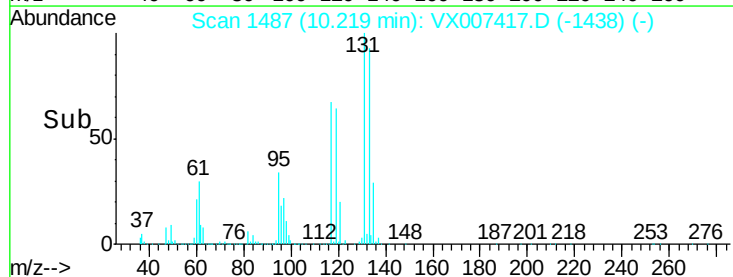
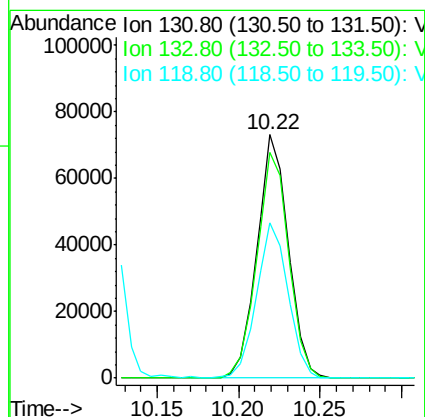
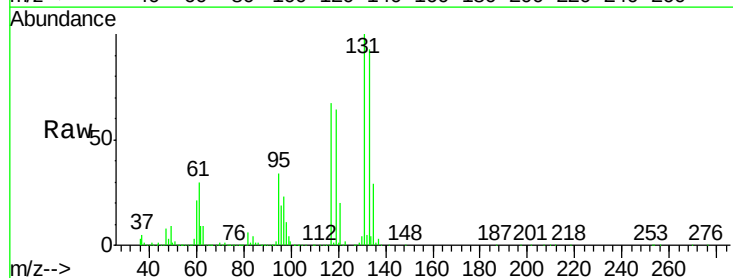
Instrument :
MSVOA_X
ClientSampleId :

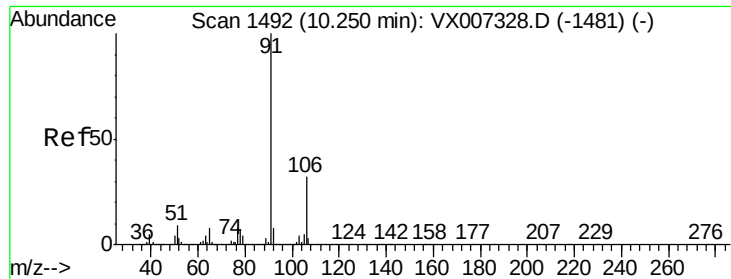
Tot Ion:112 Resp: 276463
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.316 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion:131 Resp: 97486
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 63.9 32.0 96.0





#67

Ethyl Benzene

Concen: 19.725 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

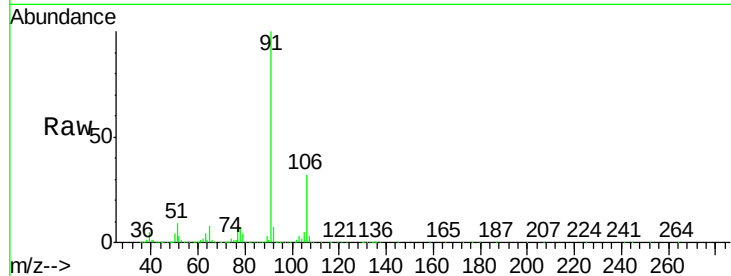
ClientSampleId :

Tot Ion: 91 Resp: 454624

Ion Ratio Lower Upper

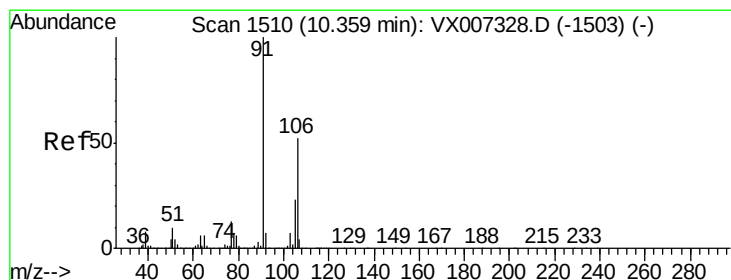
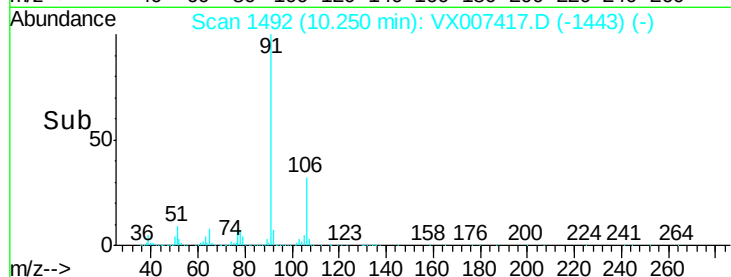
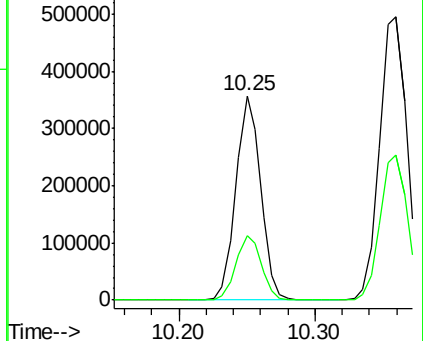
91 100

106 31.8 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.936 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007417.D

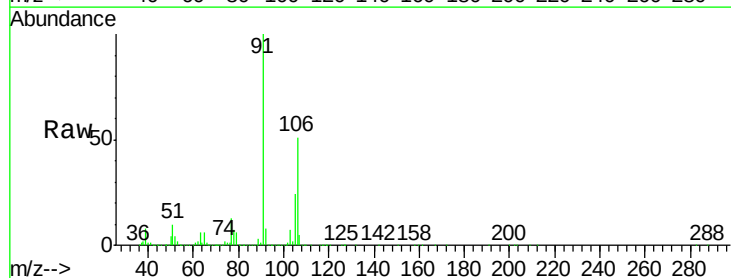
Acq: 07 Feb 2019 11:36

Tgt Ion: 106 Resp: 356732

Ion Ratio Lower Upper

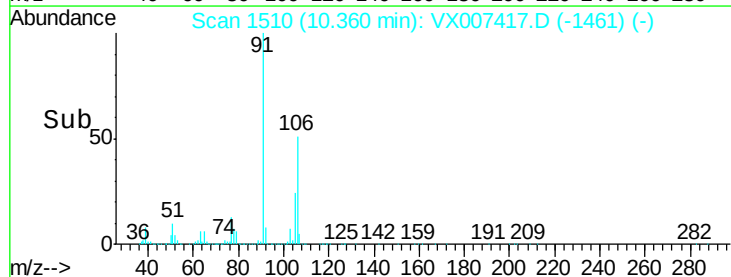
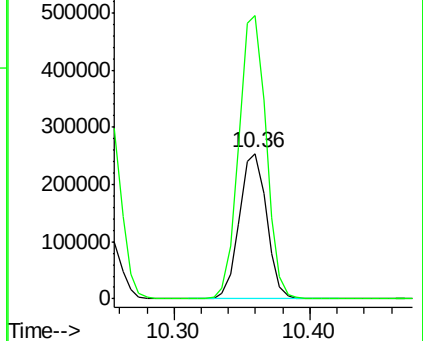
106 100

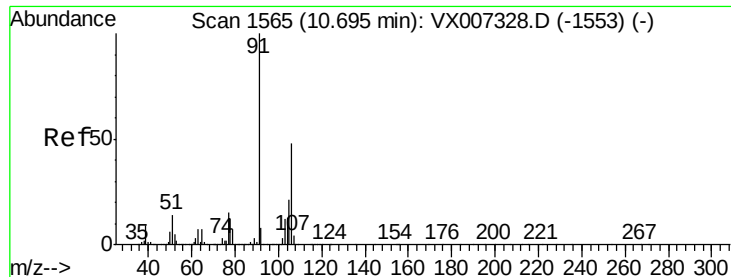
91 194.6 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

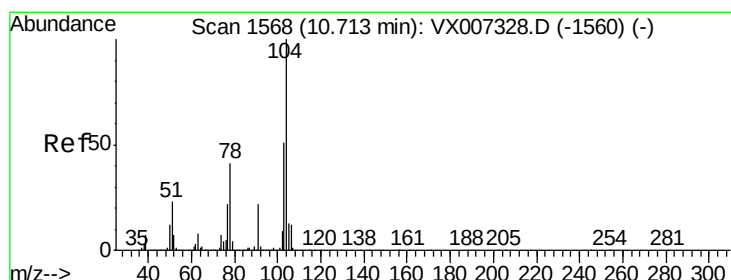
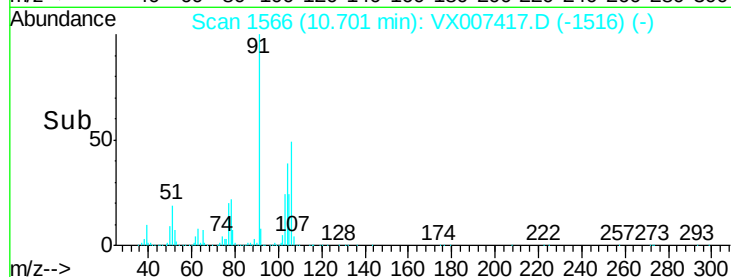
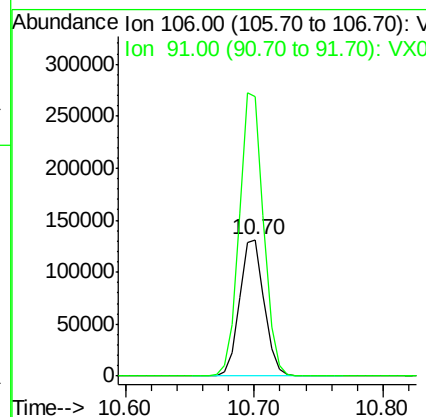
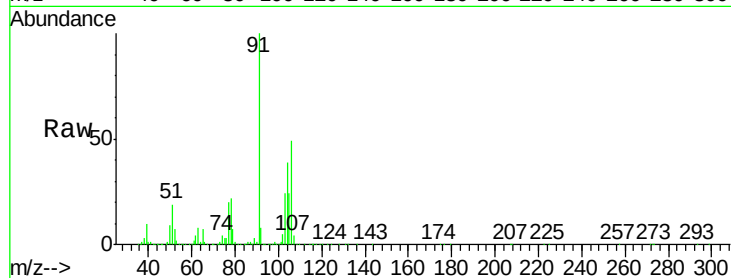




#69
o-Xylene
Concen: 19.769 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

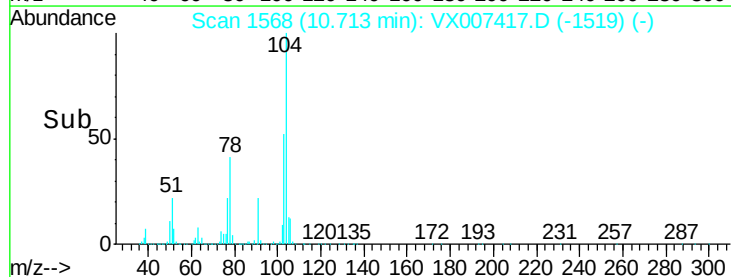
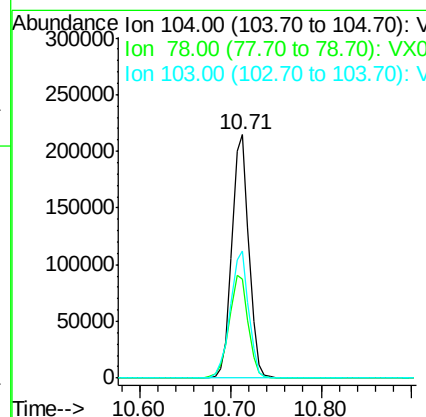
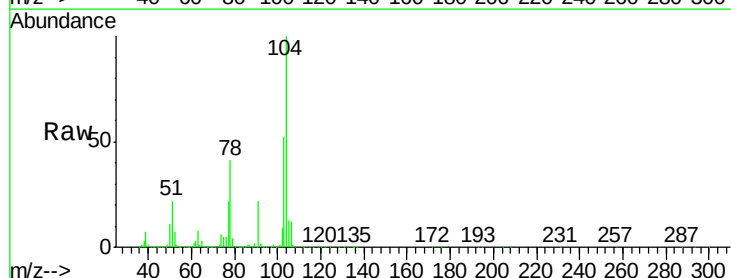
Instrument :
MSVOA_X
ClientSampled :

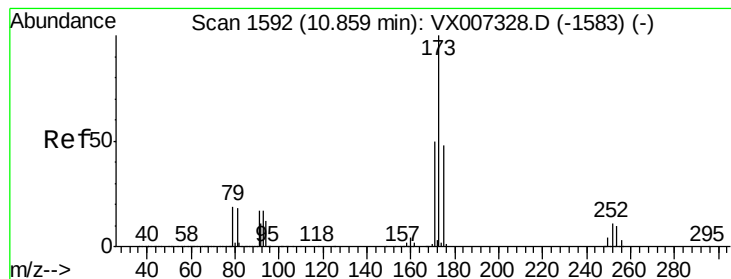
Tot Ion:106 Resp: 174283
Ion Ratio Lower Upper
106 100
91 204.7 102.9 308.7



#70
Styrene
Concen: 19.635 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion:104 Resp: 280734
Ion Ratio Lower Upper
104 100
78 47.2 38.3 57.5
103 56.4 44.6 67.0





#71

Bromoform

Concen: 19.337 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

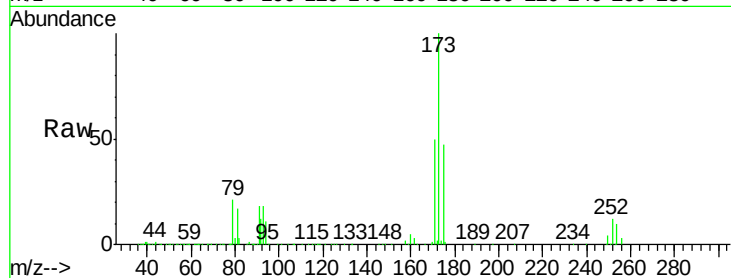
Tot Ion:173 Resp: 70072

Ion Ratio Lower Upper

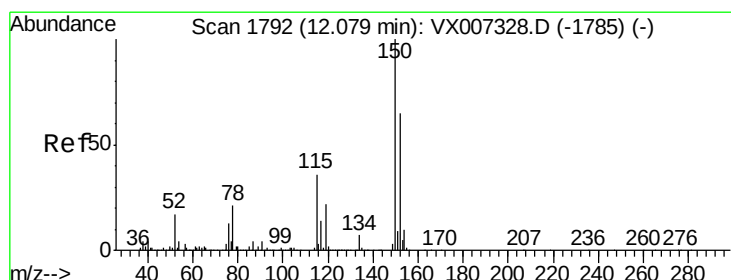
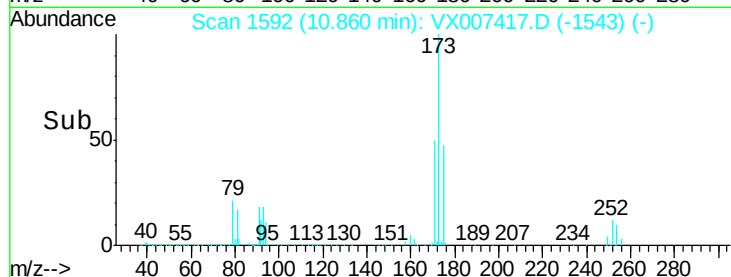
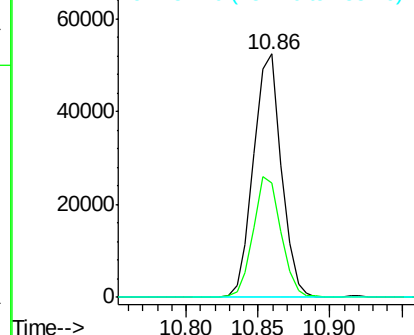
173 100

175 49.1 24.2 72.6

254 0.0 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: VX007417.D

Acq: 07 Feb 2019 11:36

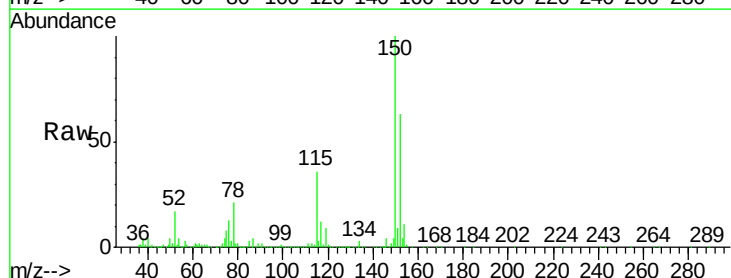
Tgt Ion:152 Resp: 331229

Ion Ratio Lower Upper

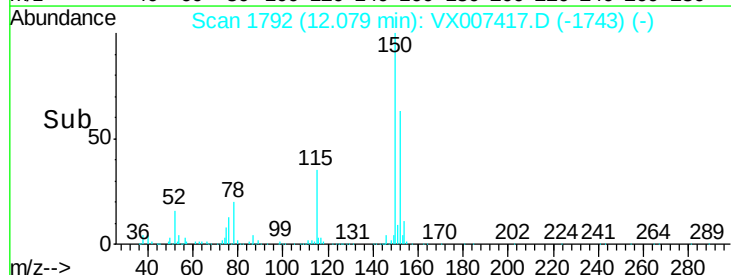
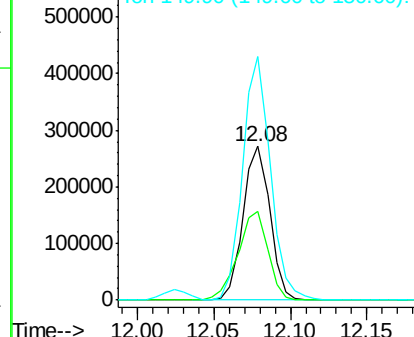
152 100

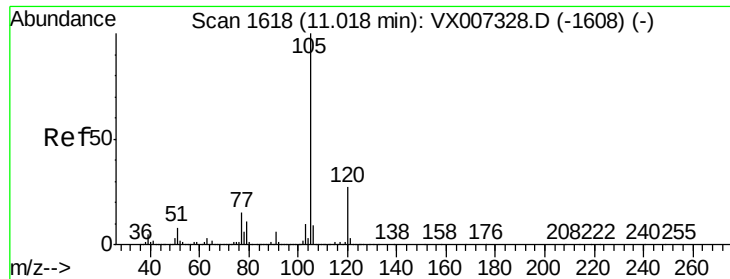
115 64.3 38.0 114.0

150 163.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.913 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

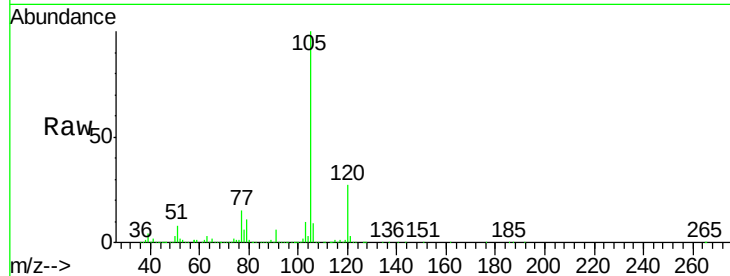
ClientSampleId :

Tot Ion:105 Resp: 470734

Ion Ratio Lower Upper

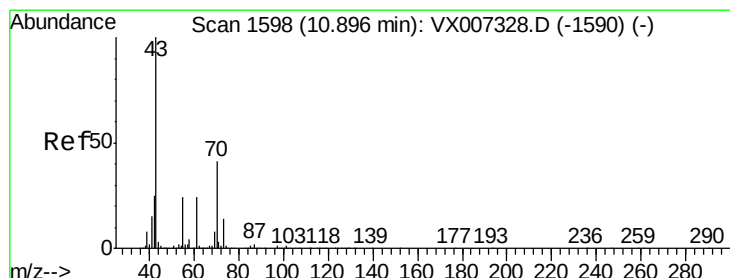
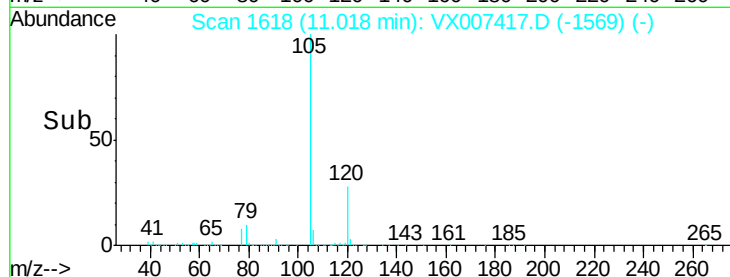
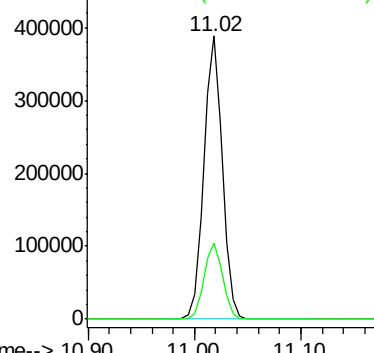
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.563 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Tgt Ion: 43 Resp: 179026

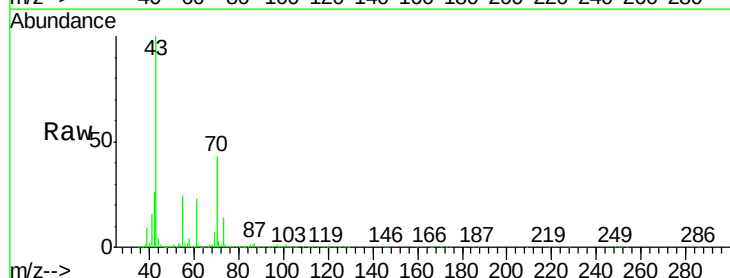
Ion Ratio Lower Upper

43 100

70 44.0 33.8 50.6

55 25.4 19.5 29.3

61 24.7 19.4 29.2

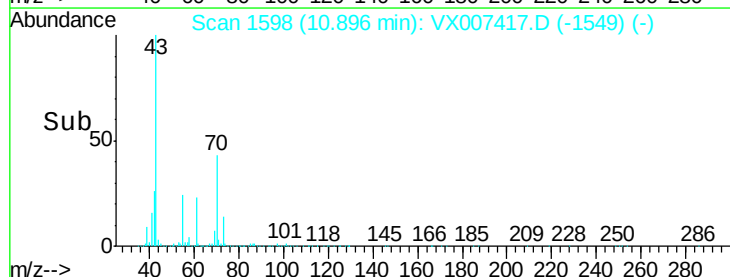
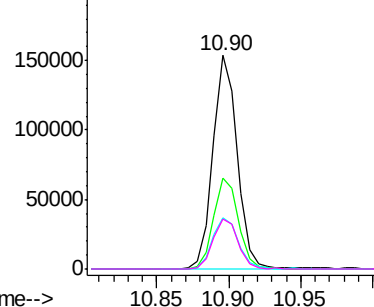


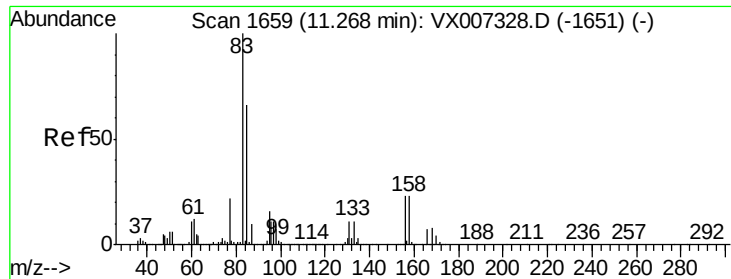
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.709 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

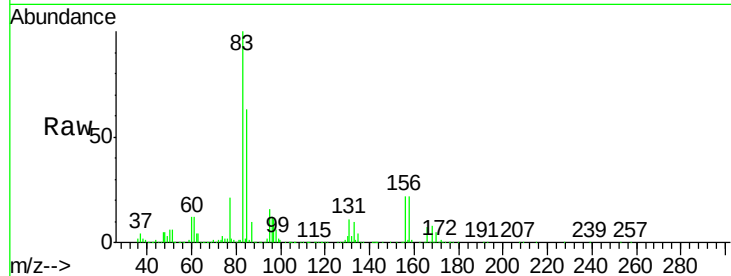
Tot Ion: 83 Resp: 148920

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.0
85	64.6	32.8	98.3

83 100

131 11.5 5.7 17.0

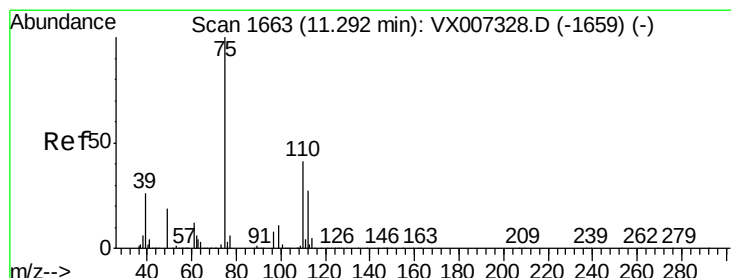
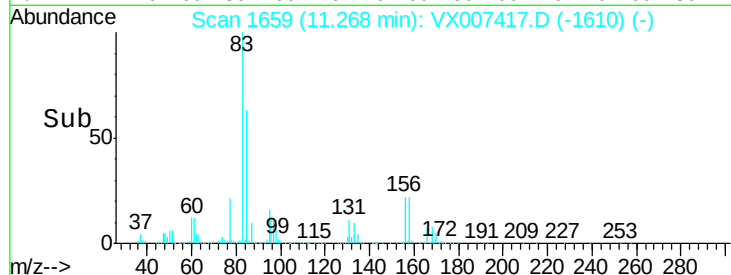
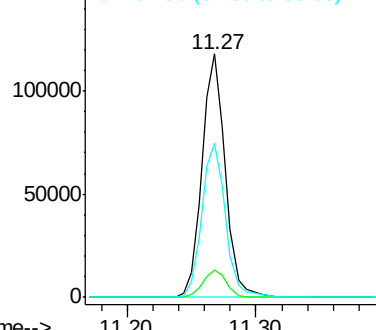
85 64.6 32.8 98.3



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: 25.476 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX007417.D

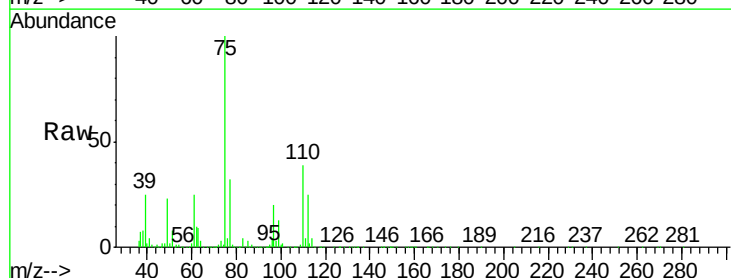
Acq: 07 Feb 2019 11:36

Tgt Ion: 75 Resp: 164136

Ion	Ratio	Lower	Upper
75	100		
77	33.8	23.0	69.0

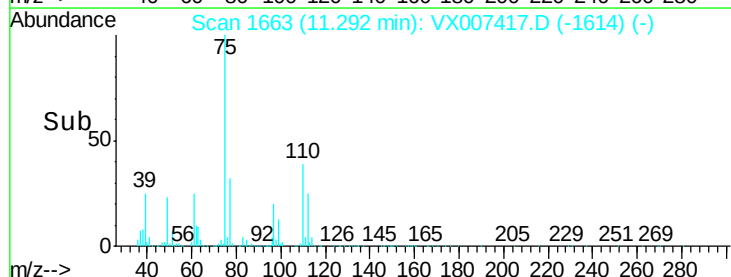
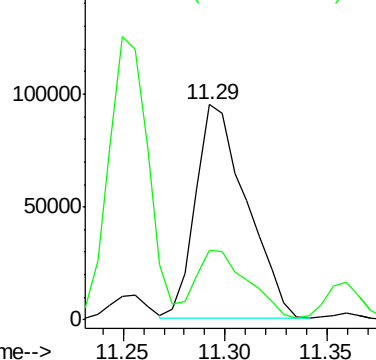
75 100

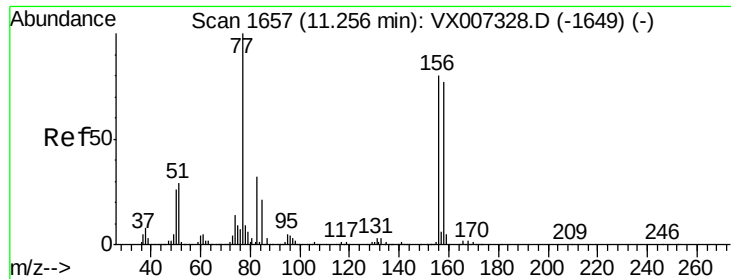
77 33.8 23.0 69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.108 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

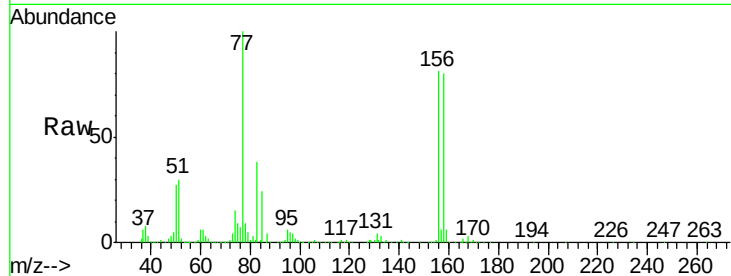
Tot Ion:156 Resp: 127522

Ion Ratio Lower Upper

156 100

77 132.1 66.8 200.6

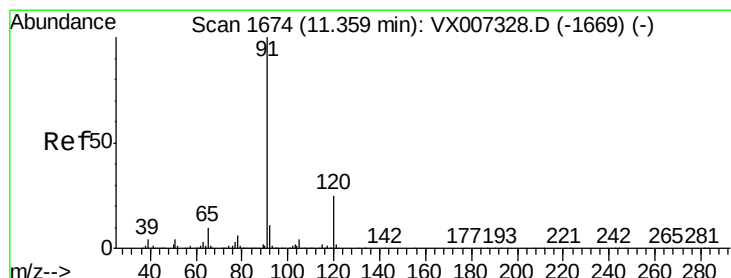
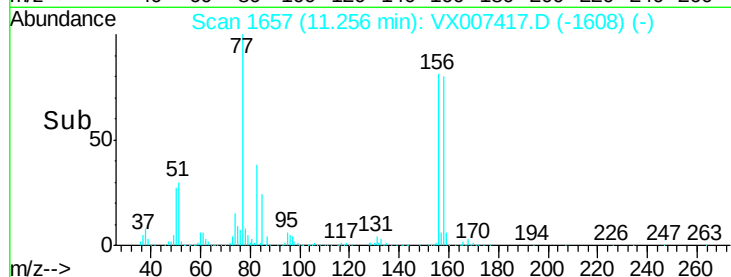
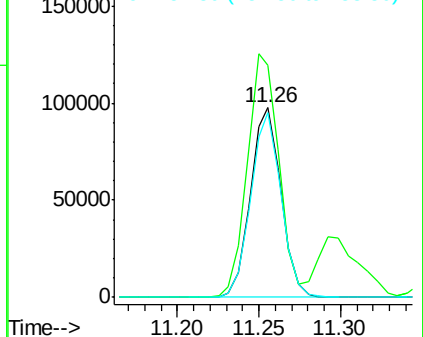
158 96.7 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.797 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007417.D

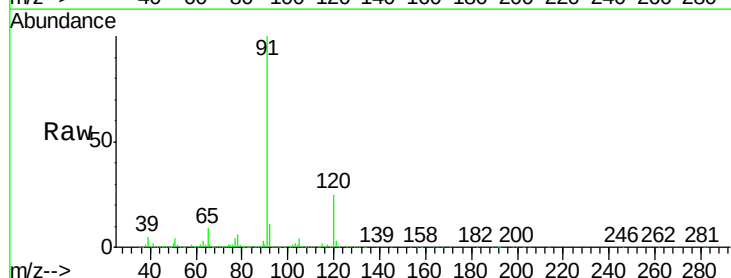
Acq: 07 Feb 2019 11:36

Tgt Ion: 91 Resp: 513314

Ion Ratio Lower Upper

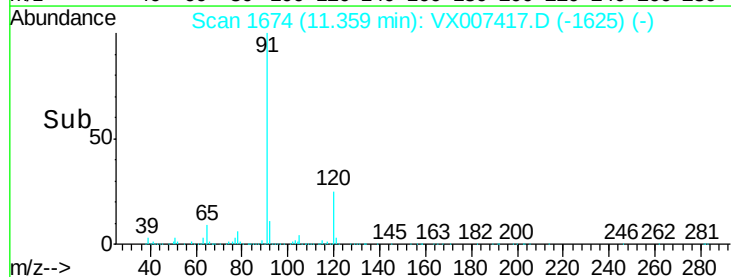
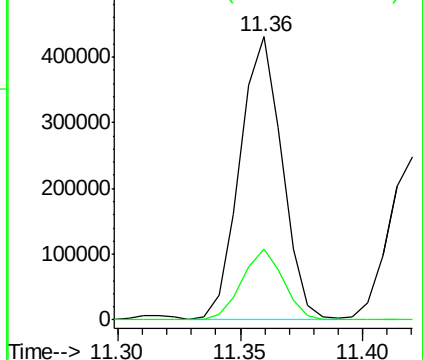
91 100

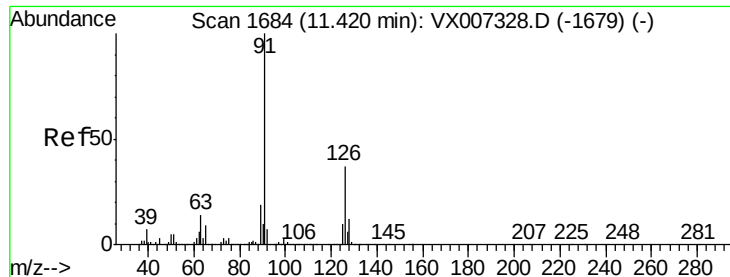
120 24.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.347 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

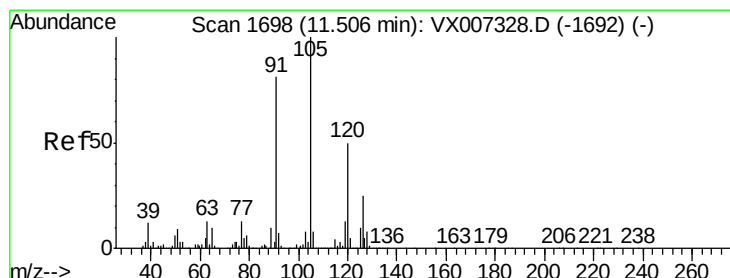
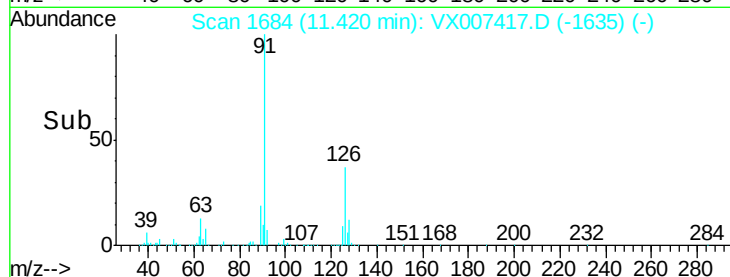
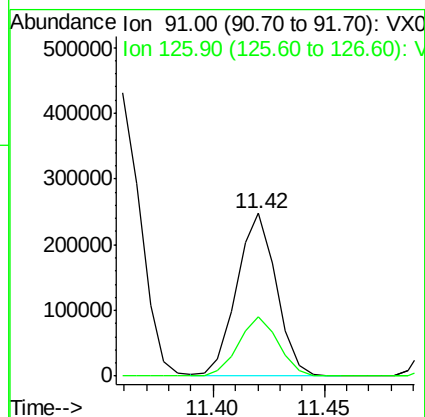
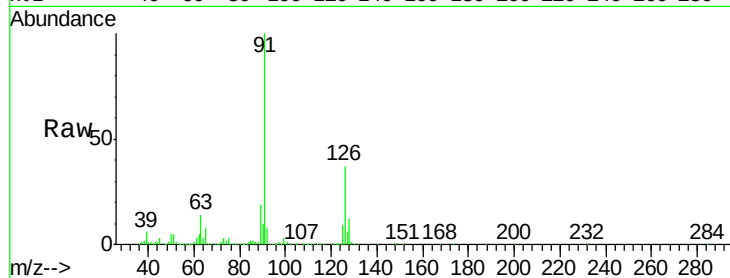
ClientSampleId :

Tot Ion: 91 Resp: 304736

Ion Ratio Lower Upper

91 100

126 37.3 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.526 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007417.D

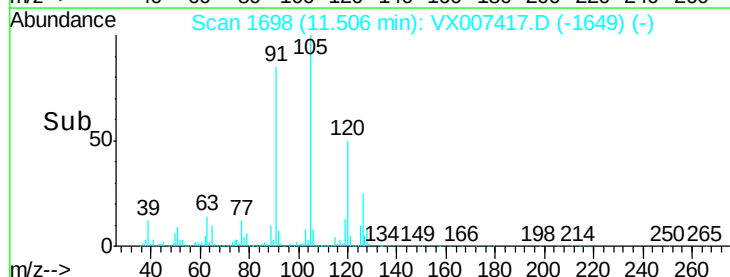
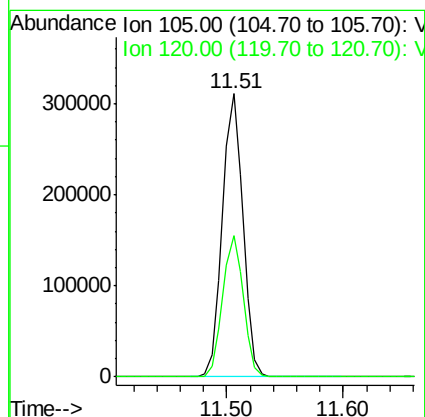
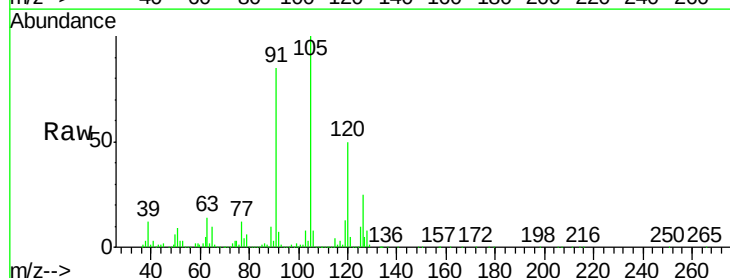
Acq: 07 Feb 2019 11:36

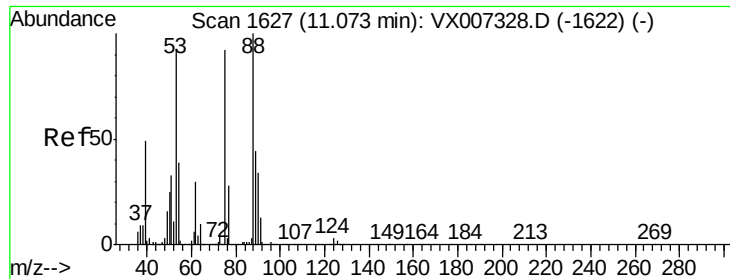
Tgt Ion: 105 Resp: 377979

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.092 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

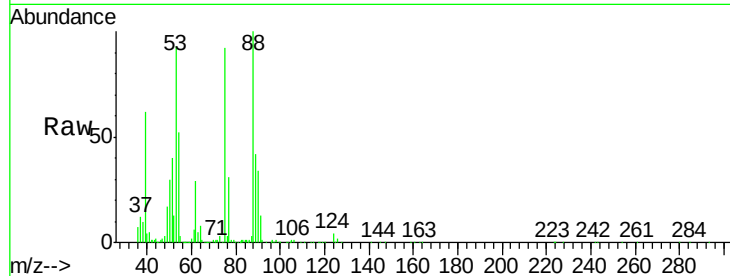
Tot Ion: 75 Resp: 38399

Ion Ratio Lower Upper

75 100

53 106.1 81.0 121.6

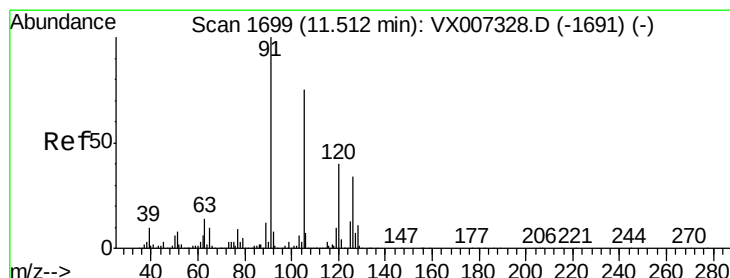
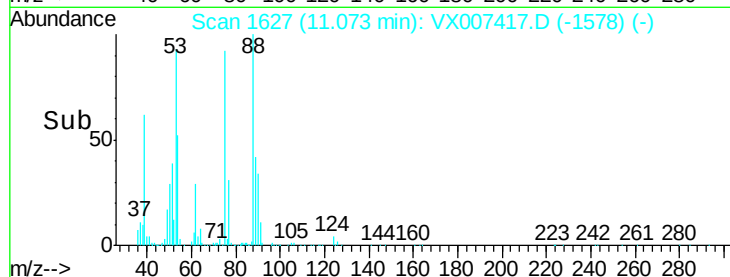
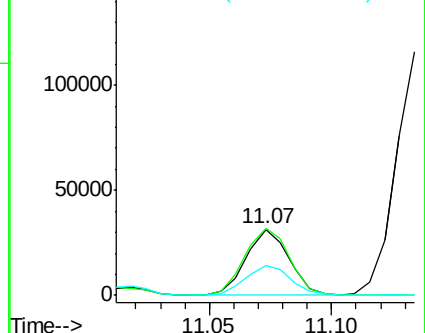
89 48.3 41.4 62.0



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



#82

4-Chlorotoluene

Concen: 20.106 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007417.D

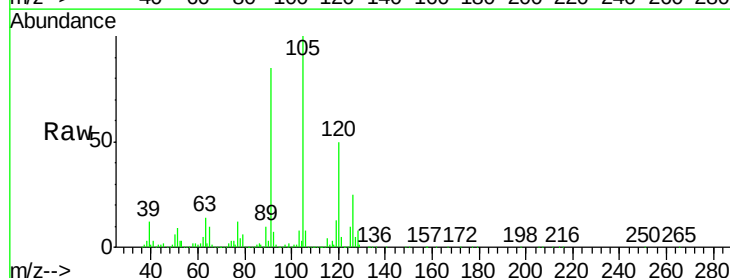
Acq: 07 Feb 2019 11:36

Tgt Ion: 91 Resp: 348433

Ion Ratio Lower Upper

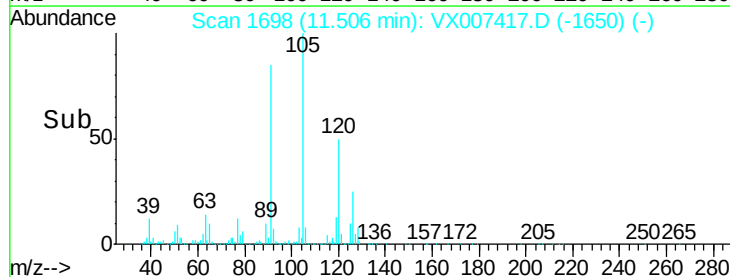
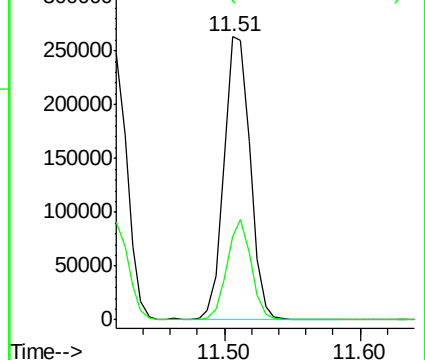
91 100

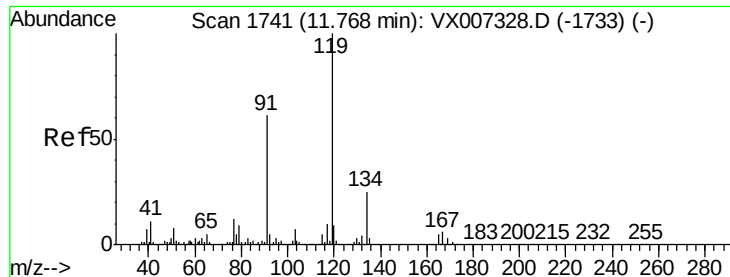
126 33.0 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.393 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampleId :

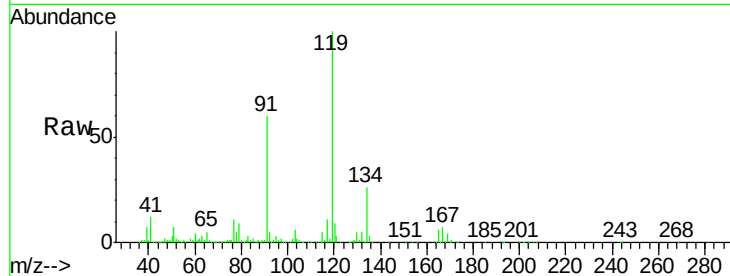
Tot Ion:119 Resp: 371800

Ion Ratio Lower Upper

119 100

91 57.3 28.5 85.6

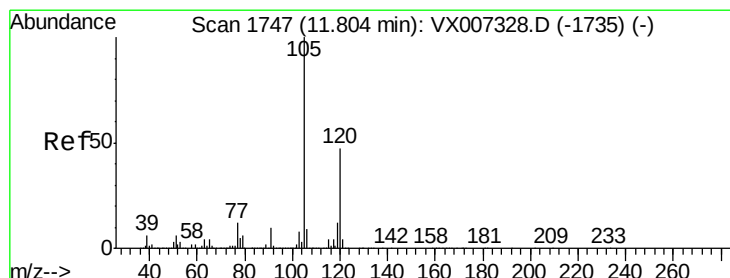
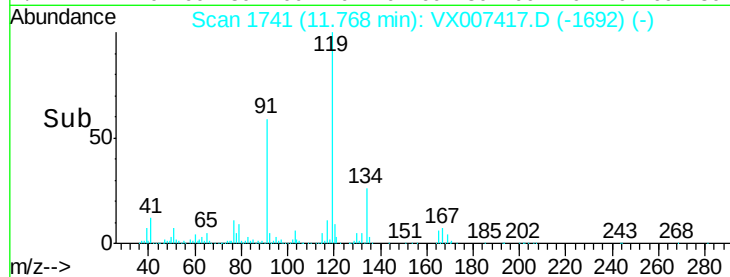
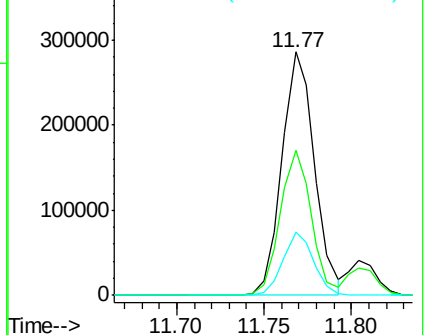
134 24.7 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.024 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007417.D

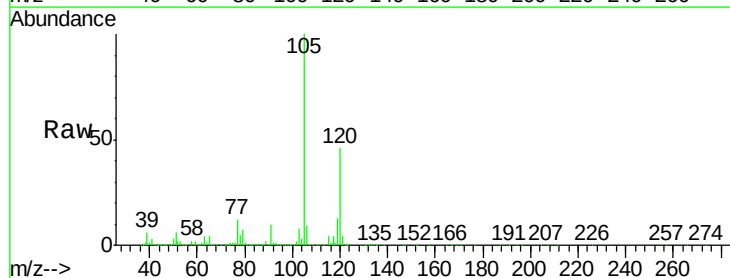
Acq: 07 Feb 2019 11:36

Tgt Ion:105 Resp: 393045

Ion Ratio Lower Upper

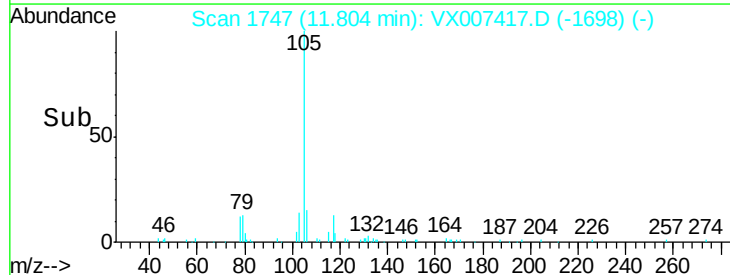
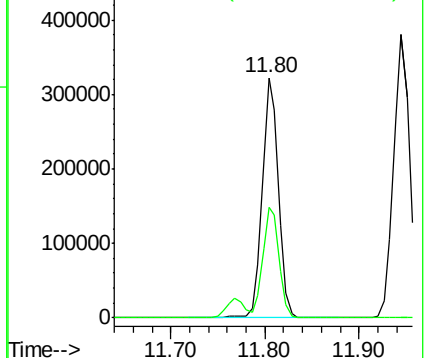
105 100

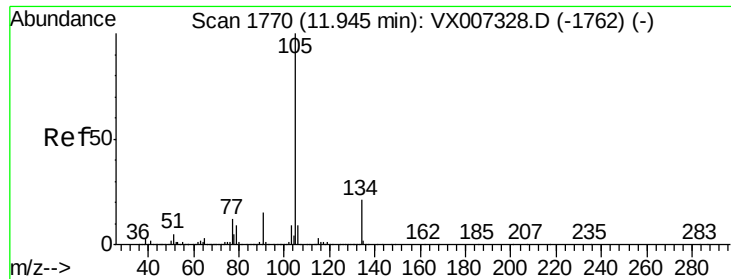
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.614 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

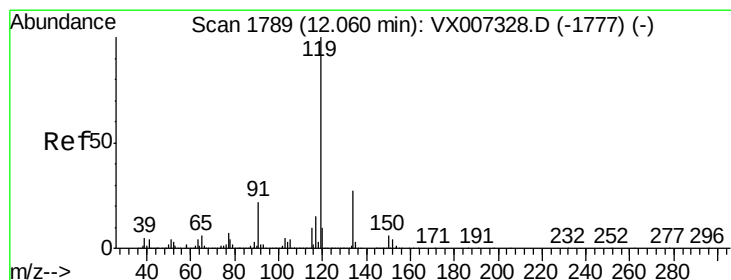
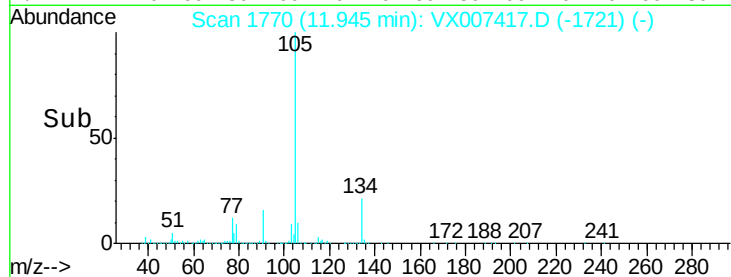
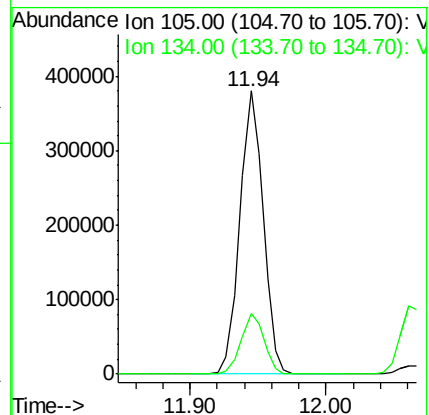
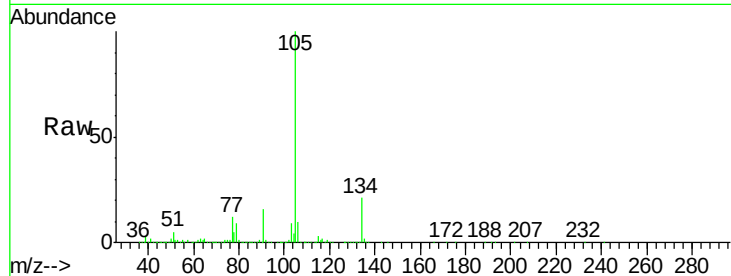
ClientSampleId :

Tot Ion:105 Resp: 454866

Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8



#86

p-Isopropyltoluene

Concen: 20.254 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

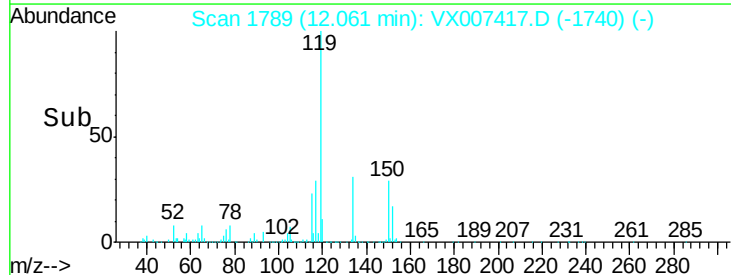
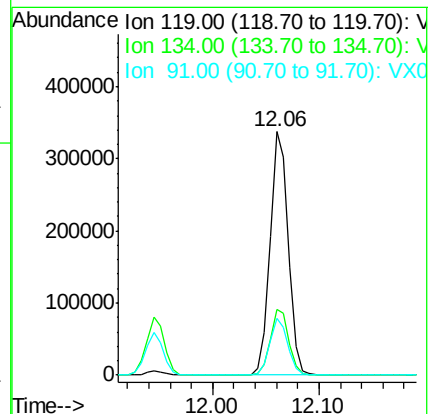
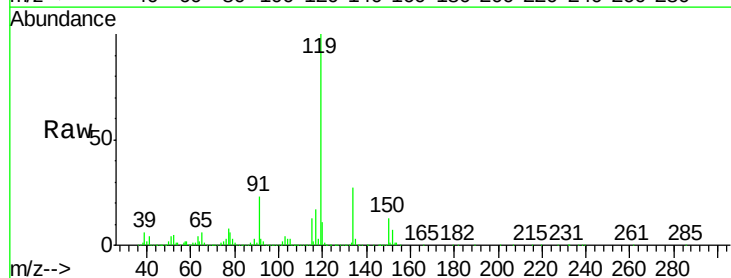
Tgt Ion:119 Resp: 403451

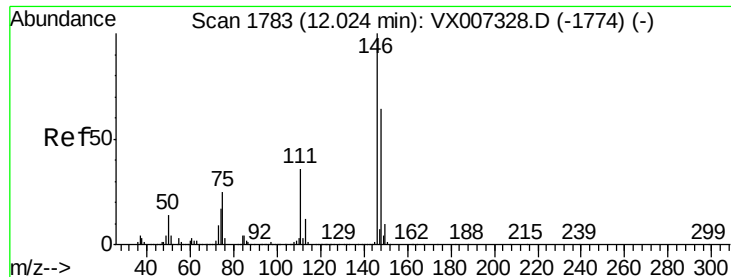
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.1

91 23.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.513 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

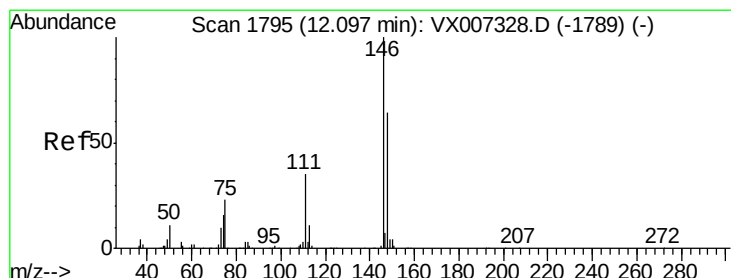
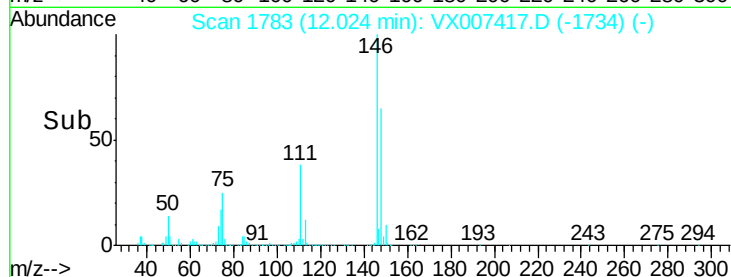
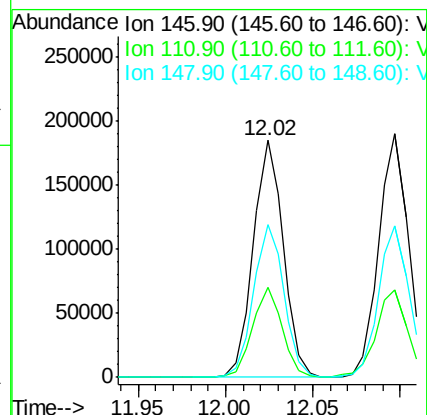
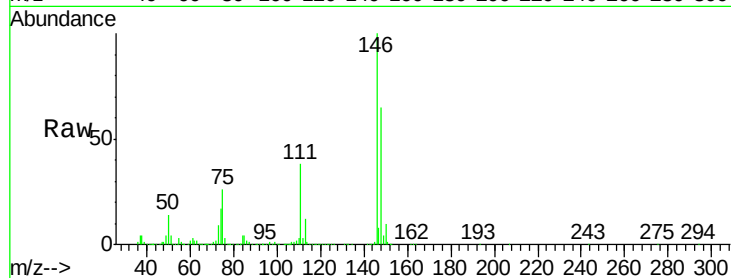
Tot Ion:146 Resp: 222096

Ion Ratio Lower Upper

146 100

111 37.5 18.1 54.1

148 65.4 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.522 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

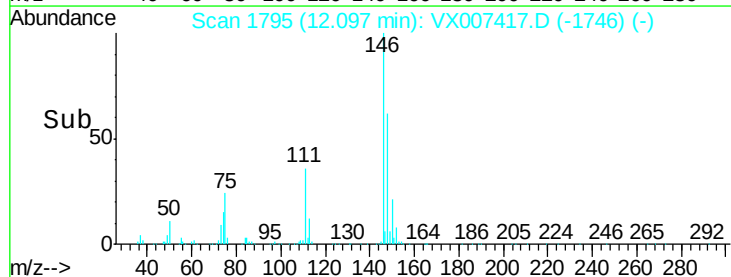
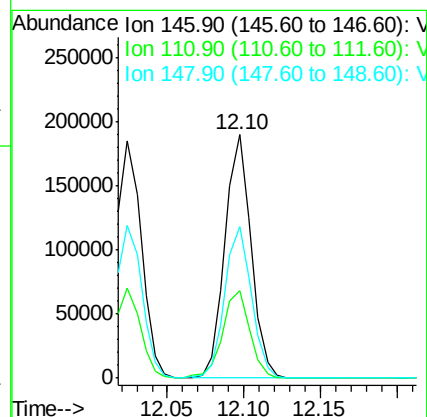
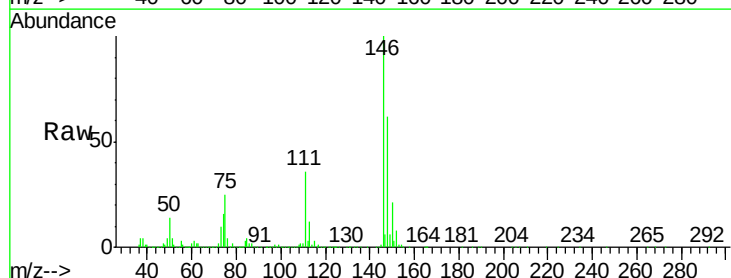
Tgt Ion:146 Resp: 225428

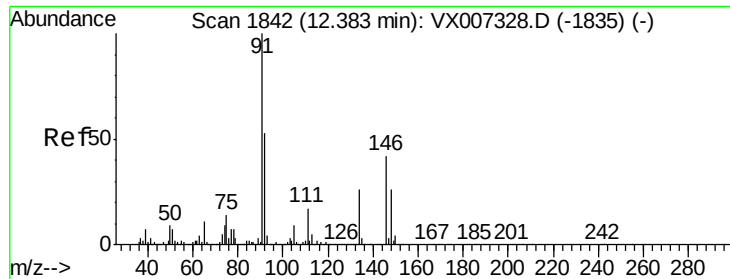
Ion Ratio Lower Upper

146 100

111 37.6 18.1 54.1

148 63.5 32.3 96.9

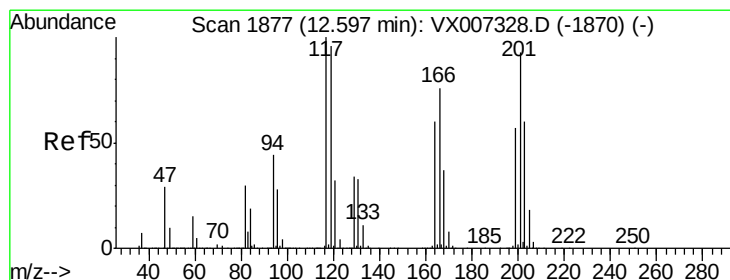
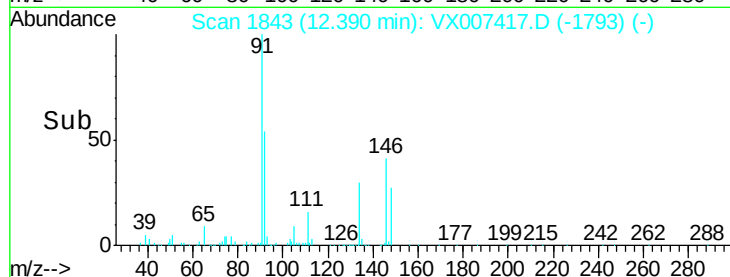
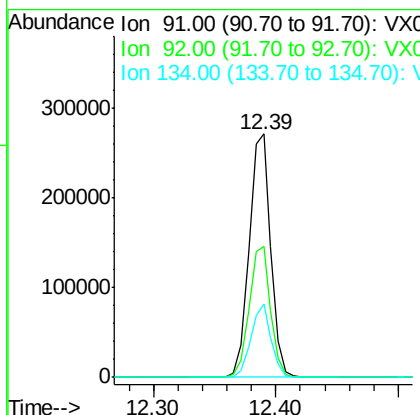
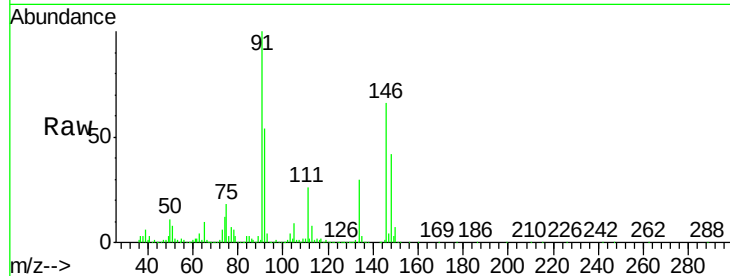




#89
n-Butylbenzene
Concen: 19.441 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

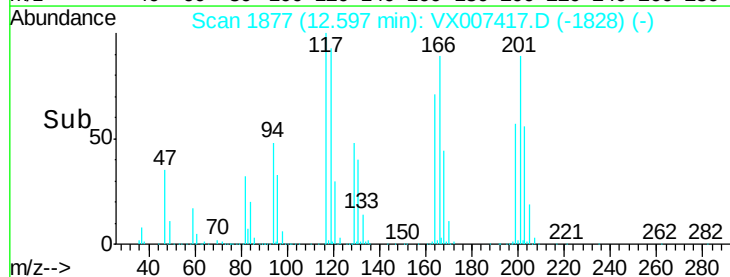
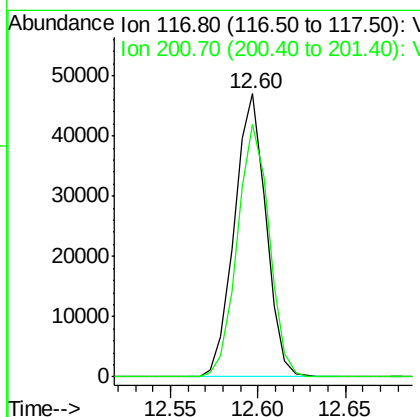
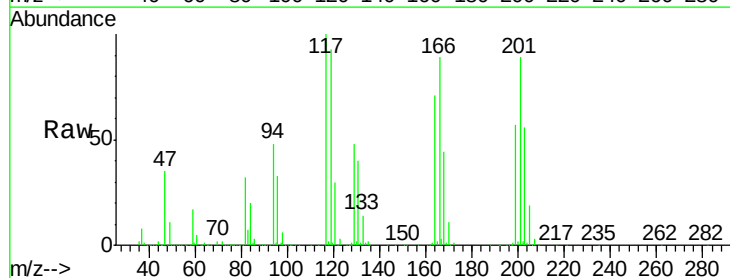
Instrument :
MSVOA_X
ClientSampleId :

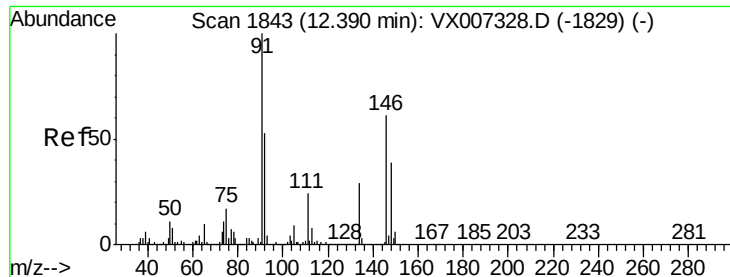
Tot Ion: 91 Resp: 333121
Ion Ratio Lower Upper
91 100
92 53.3 26.3 78.9
134 28.2 13.9 41.6



#90
Hexachloroethane
Concen: 19.775 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007417.D
Acq: 07 Feb 2019 11:36

Tgt Ion: 117 Resp: 58952
Ion Ratio Lower Upper
117 100
201 90.2 44.9 134.7

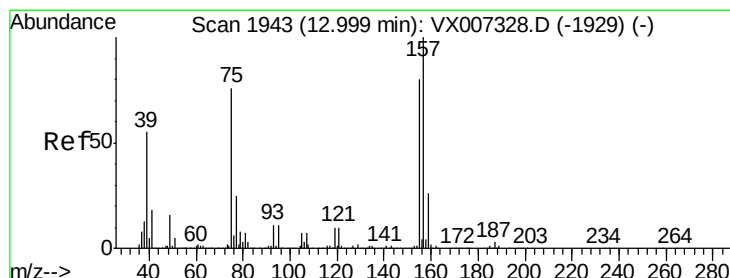
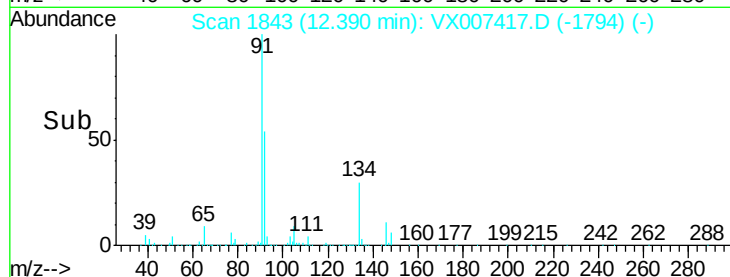
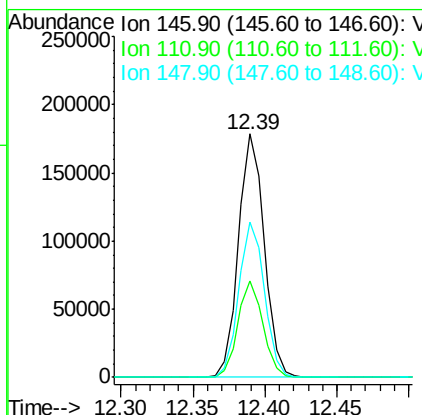
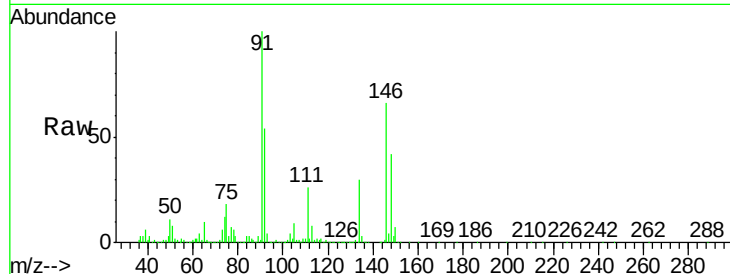




#91
 1,2-Dichlorobenzene
 Concen: 19.676 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

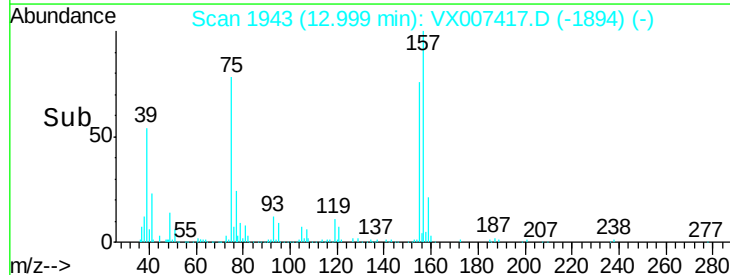
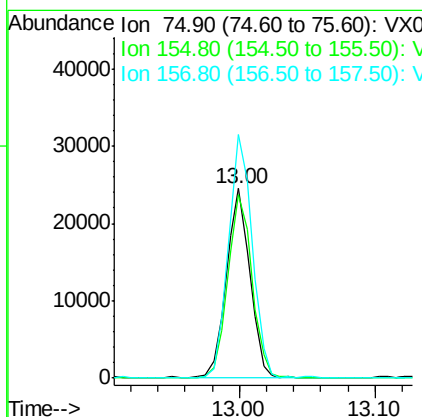
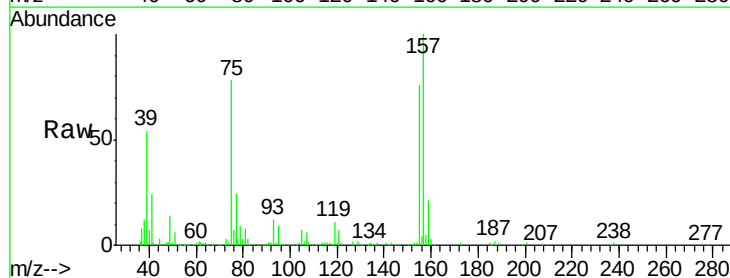
Instrument :
 MSVOA_X
 ClientSampleId :

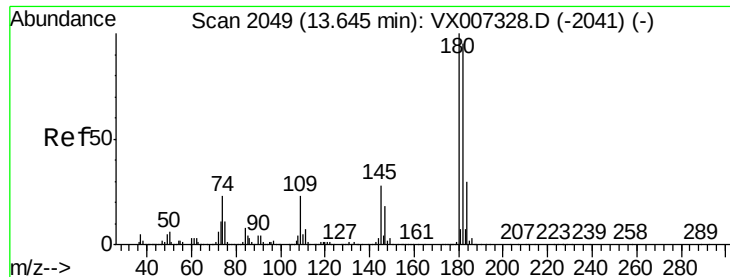
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	63.4	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.695 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	49.6	149.0
157	129.5	65.1	195.3

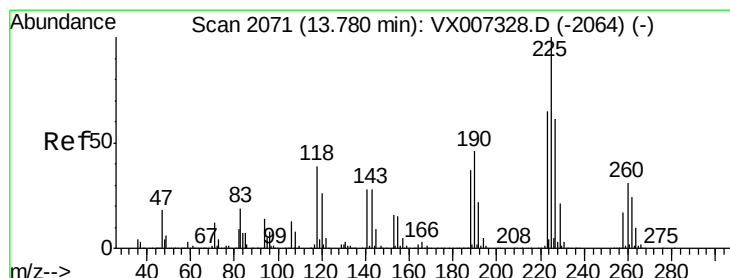
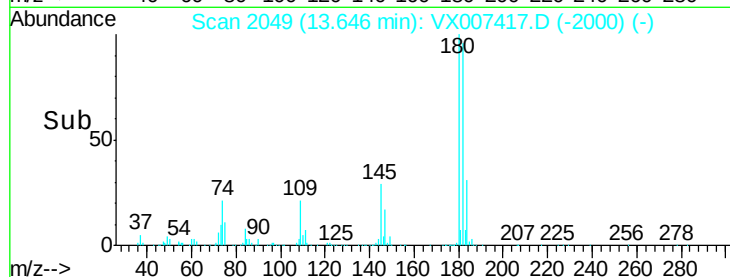
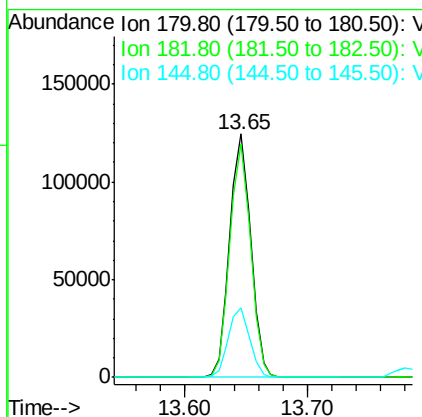
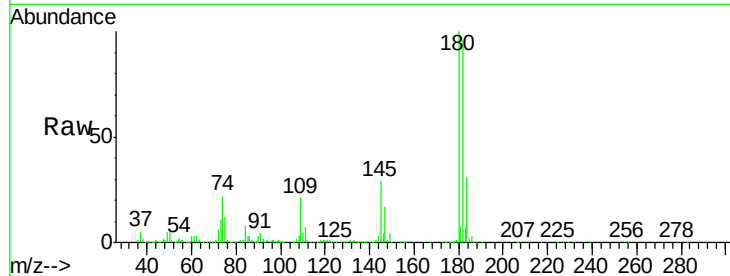




#93
 1,2,4-Trichlorobenzene
 Concen: 19.487 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

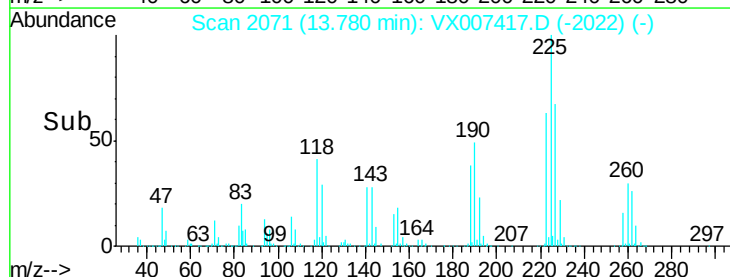
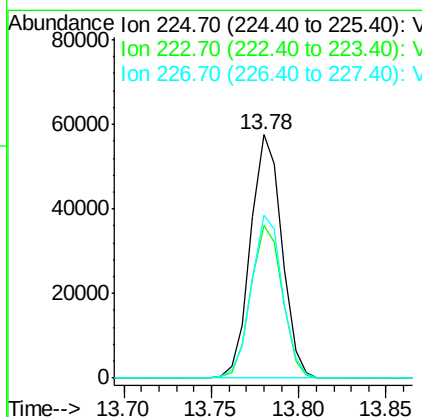
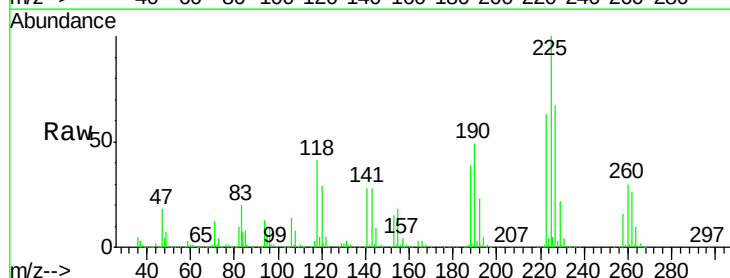
Instrument :
 MSVOA_X
 ClientSampleId :

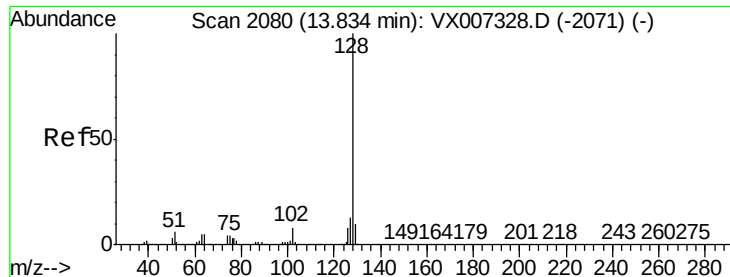
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	29.0	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 19.269 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007417.D
 Acq: 07 Feb 2019 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	66.6	32.1	96.3





#95

Naphthalene

Concen: 20.432 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

Instrument :

MSVOA_X

ClientSampled :

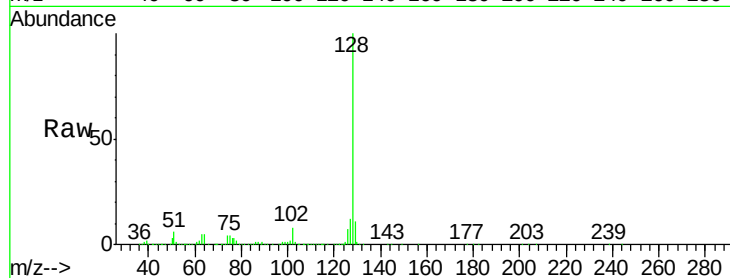
Tot Ion:128 Resp: 456406

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

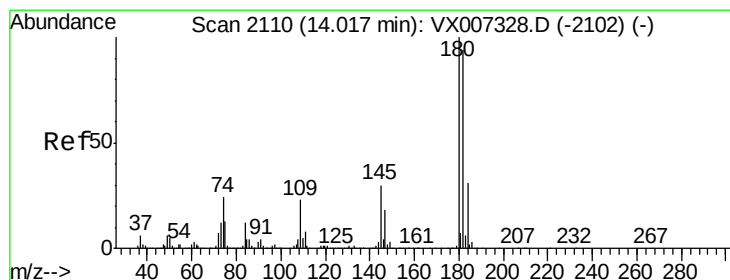
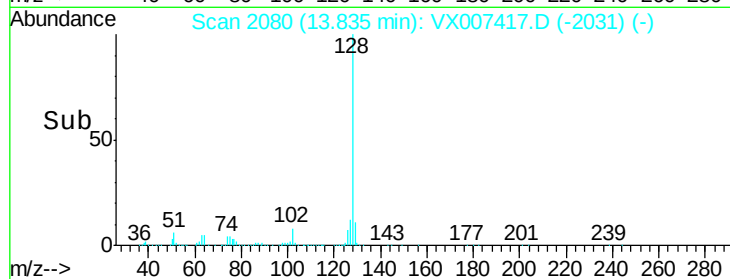
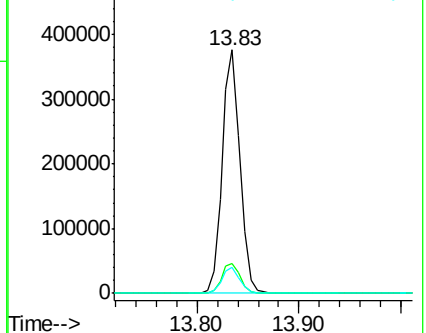
129 11.0 8.7 13.1



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: 19.393 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007417.D

Acq: 07 Feb 2019 11:36

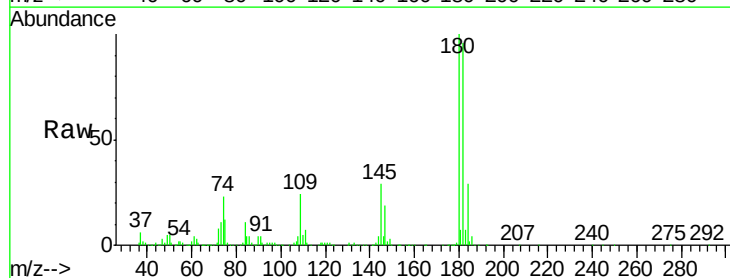
Tgt Ion:180 Resp: 149116

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.6

145 29.5 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

