

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : PE5.D
 Acq On : 19 Oct 2018 20:33
 Operator : JC/MD
 Sample : J5026-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 20 05:41:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	1075	0.42	ug/l	0.00
Spiked Amount			Recovery	=	0.84%	
35) Dibromofluoromethane	5.50	113	664	0.30	ug/l	0.00
Spiked Amount			Recovery	=	0.60%	
50) Toluene-d8	8.71	98	1842	0.24	ug/l	0.00
Spiked Amount			Recovery	=	0.48%	
62) 4-Bromofluorobenzene	11.14	95	509	0.18	ug/l	0.00
Spiked Amount			Recovery	=	0.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	77115	42.843	ug/l	97
3) Chloromethane	1.32	50	578	0.222	ug/l #	78
4) Vinyl Chloride	1.40	62	95659	36.206	ug/l	90
5) Bromomethane	1.64	94	35937	24.387	ug/l	100
6) Chloroethane	1.72	64	28256	17.194	ug/l	92
7) Trichlorofluoromethane	1.93	101	90621	25.703	ug/l	95
10) Methyl Iodide	2.51	142	1167	2.986	ug/l	95
11) Tert butyl alcohol	3.02	59	1466	2.034	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	40785	20.228	ug/l	96
13) Acrolein	2.30	56	101	Below Cal	#	16
16) Acetone	2.45	43	768	0.520	ug/l #	84
19) Methyl tert-butyl Ether	3.21	73	293595	41.345	ug/l	99
20) Methylene Chloride	2.86	84	36163	15.908	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	8248	3.691	ug/l	95
25) 2-Butanone	4.71	43	830	0.384	ug/l #	47
27) cis-1,2-Dichloroethene	4.60	96	45225	18.624	ug/l	94
31) Cyclohexane	5.66	56	3927	1.118	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	11832	3.438	ug/l	99
36) 1,1-Dichloropropene	5.80	75	43340	13.477	ug/l	98
38) Carbon Tetrachloride	5.78	117	12205	3.777	ug/l	95
42) 1,2-Dichloroethane	6.20	62	62182	18.255	ug/l	96
44) Trichloroethene	7.21	130	28776	11.200	ug/l	95
45) 1,2-Dichloropropane	7.51	63	43737	18.483	ug/l	95
48) Methyl methacrylate	7.52	41	22517	7.881	ug/l #	33
53) t-1,3-Dichloropropene	9.04	75	40800	13.050	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	28066	8.285	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	12370	5.534	ug/l	94
57) 1,3-Dichloropropane	9.37	76	54829	14.695	ug/l	99
60) Dibromochloromethane	9.34	129	24179	10.464	ug/l #	11
64) Tetrachloroethene	9.34	164	27763	11.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	5201	2.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.30	83	2099	0.635	ug/l #	92
76) 1,2,3-Trichloropropane	11.30	75	64863	22.682	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.30	75	64610	68.651	ug/l #	9

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Response via : Initial Calibration

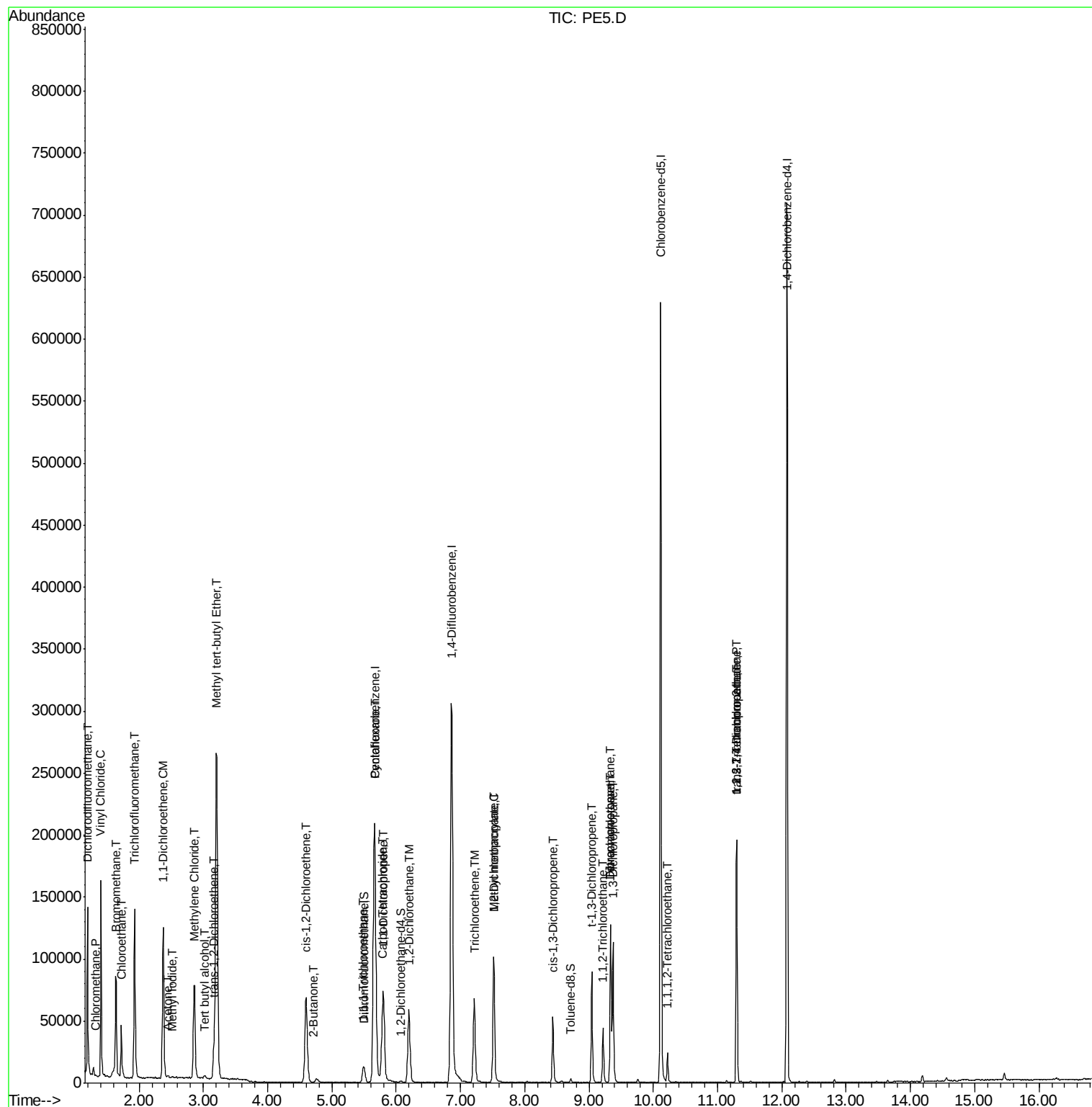
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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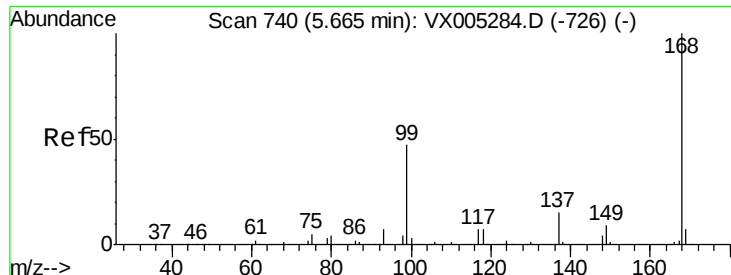
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

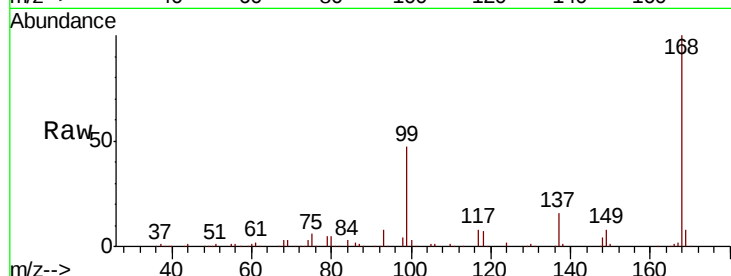
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 230210

Ion Ratio Lower Upper

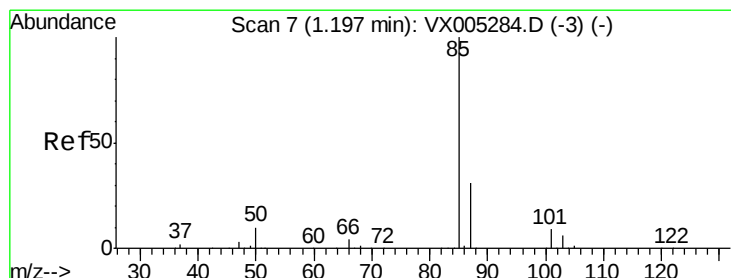
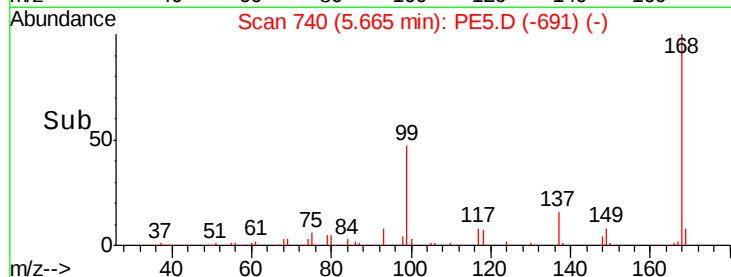
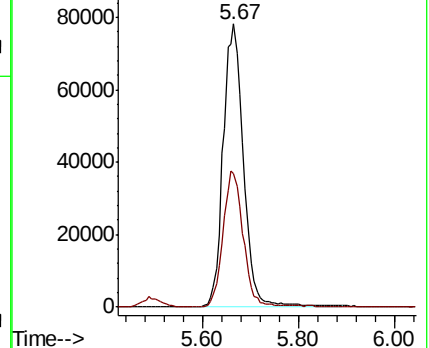
168 100

99 47.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): F

Ion 98.90 (98.60 to 99.60): PE5



#2

Dichlorodifluoromethane

Concen: 42.843 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: PE5.D

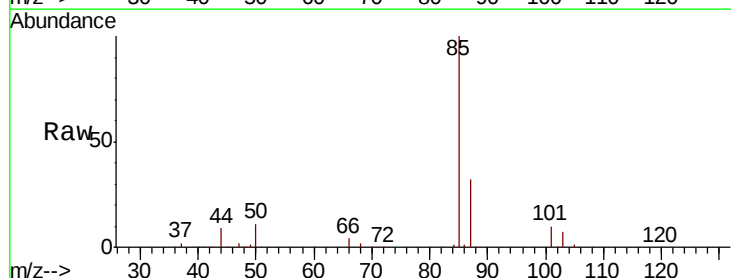
Acq: 19 Oct 2018 20:33

Tgt Ion: 85 Resp: 77115

Ion Ratio Lower Upper

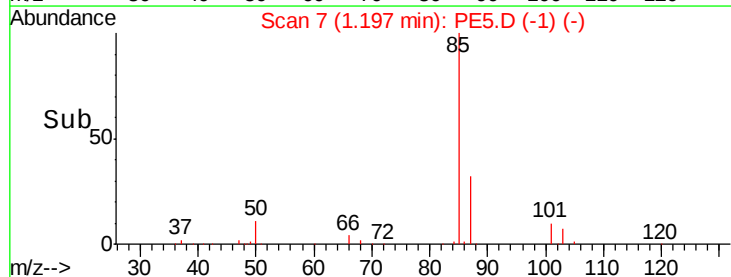
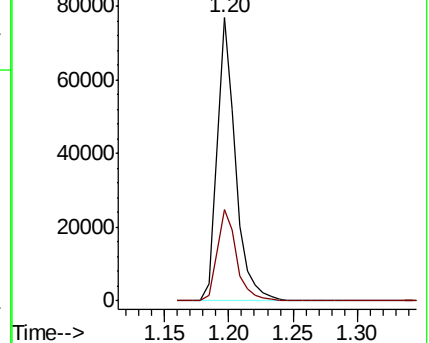
85 100

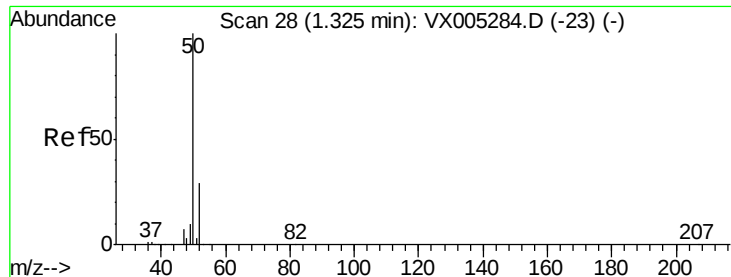
87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): PE5

Ion 86.90 (86.60 to 87.60): PE5





#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

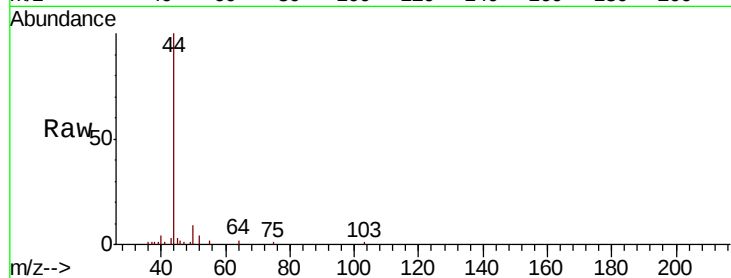
ClientSampled :

Tot Ion: 50 Resp: 578

Ion Ratio Lower Upper

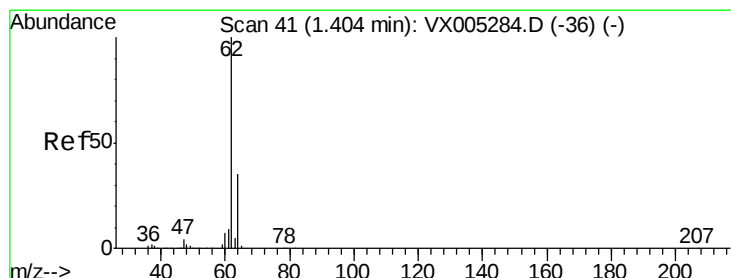
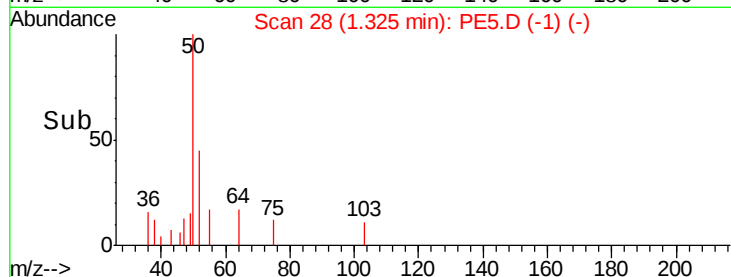
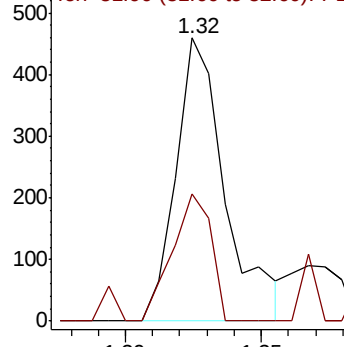
50 100

52 44.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): PE5

Ion 51.90 (51.60 to 52.60): PE5



#4

Vinyl Chloride

Concen: 36.206 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: PE5.D

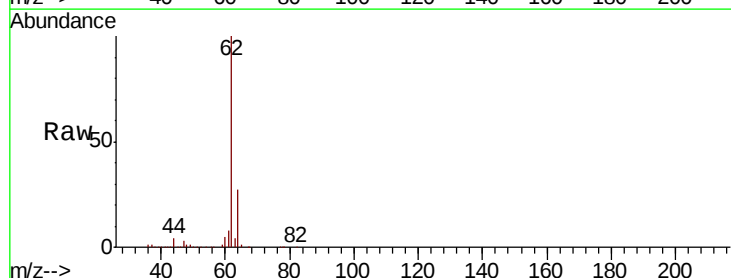
Acq: 19 Oct 2018 20:33

Tgt Ion: 62 Resp: 95659

Ion Ratio Lower Upper

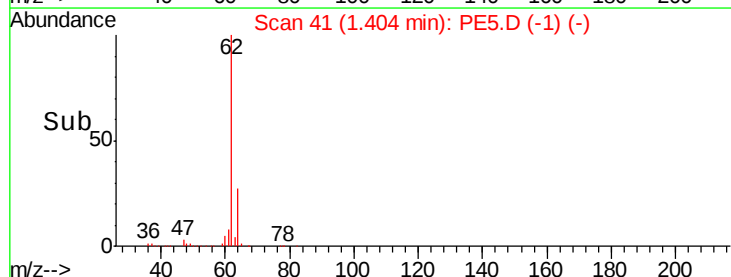
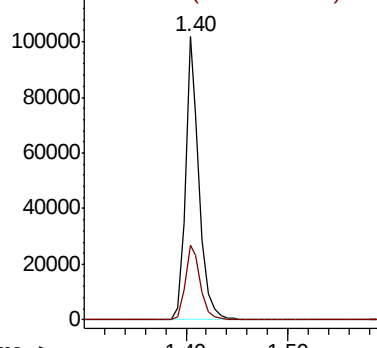
62 100

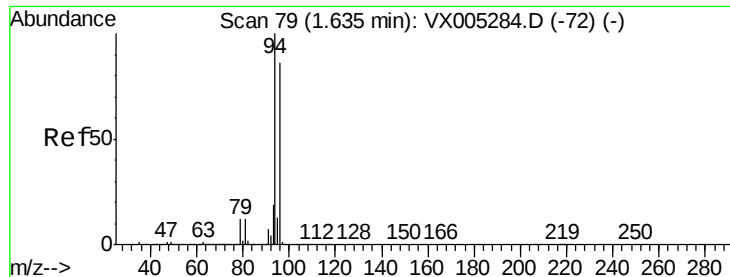
64 26.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): PE5

Ion 63.90 (63.60 to 64.60): PE5





#5

Bromomethane

Concen: 24.387 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

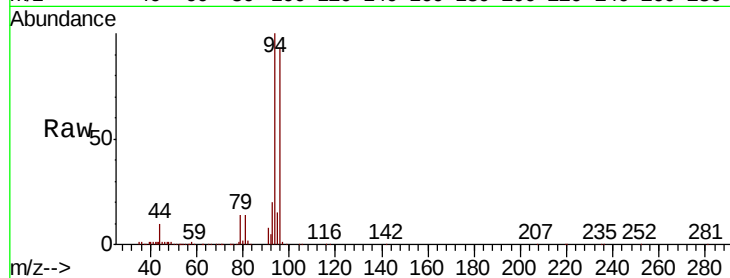
ClientSampleId :

Tot Ion: 94 Resp: 35937

Ion Ratio Lower Upper

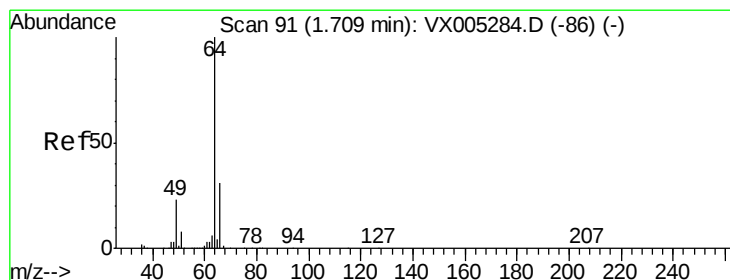
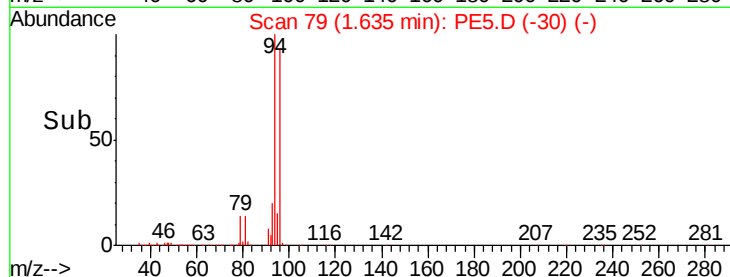
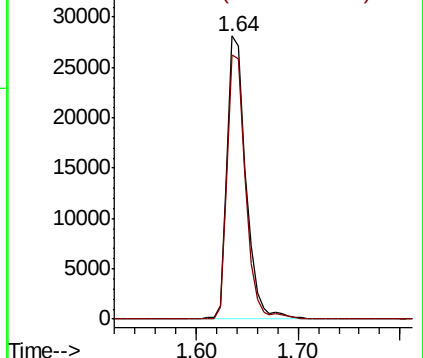
94 100

96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): PE5

Ion 95.90 (95.60 to 96.60): PE5



#6

Chloroethane

Concen: 17.194 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: PE5.D

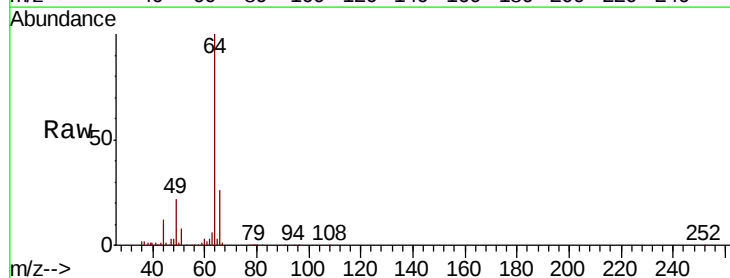
Acq: 19 Oct 2018 20:33

Tgt Ion: 64 Resp: 28256

Ion Ratio Lower Upper

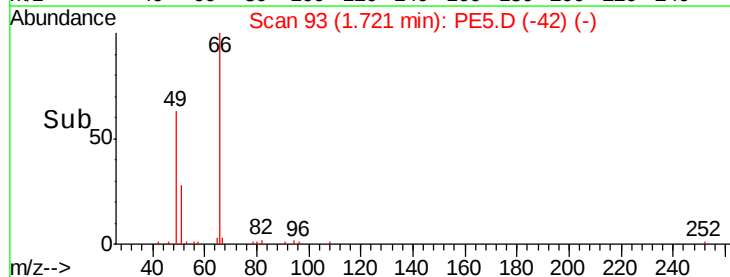
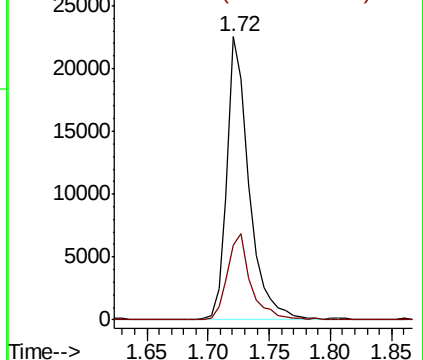
64 100

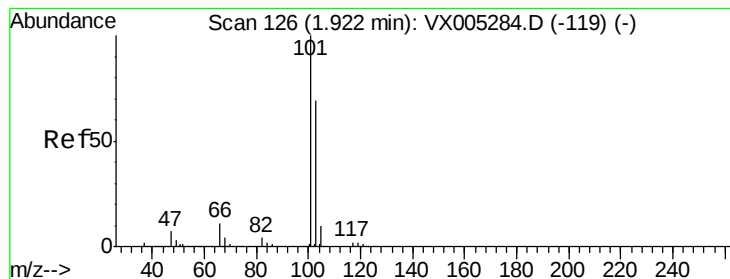
66 26.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): PE5

Ion 65.90 (65.60 to 66.60): PE5



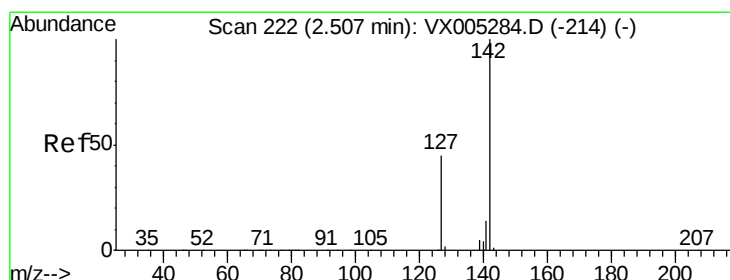
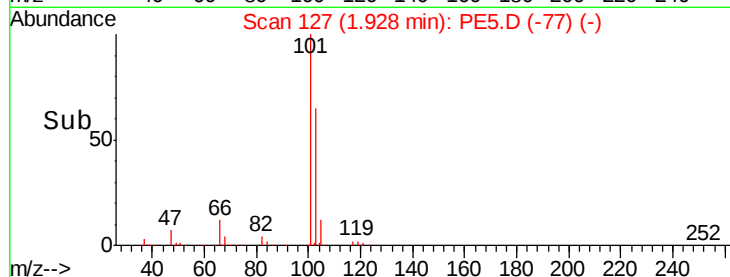
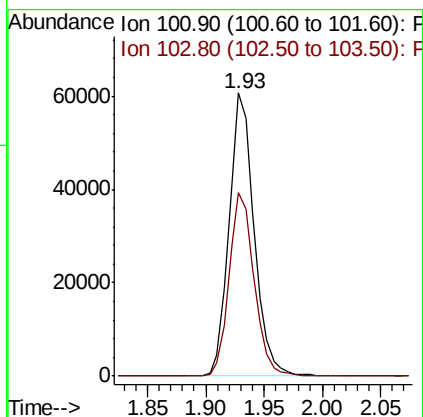
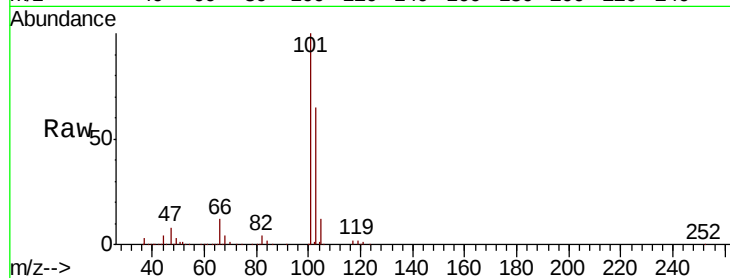


#7

Trichlorofluoromethane
 Concen: 25.703 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :

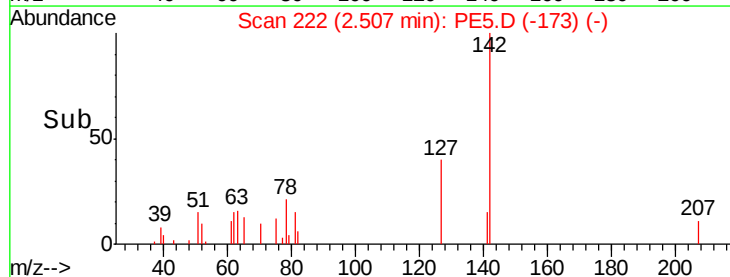
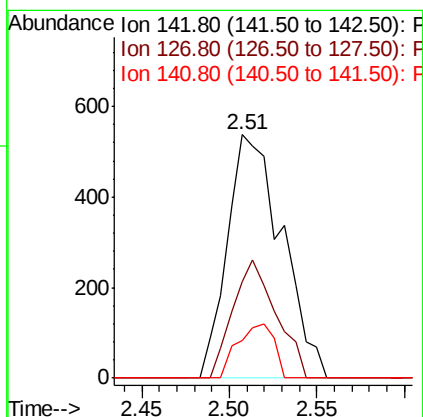
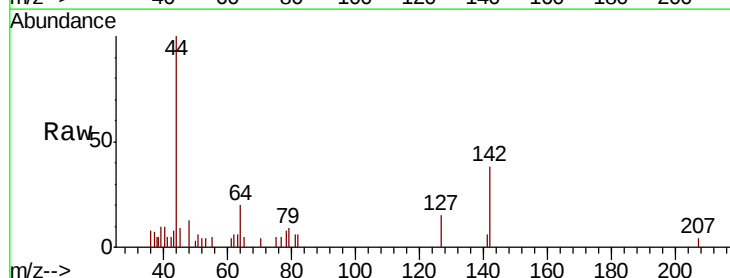
Tot Ion:101 Resp: 90621
 Ion Ratio Lower Upper
 101 100
 103 64.8 48.9 73.3

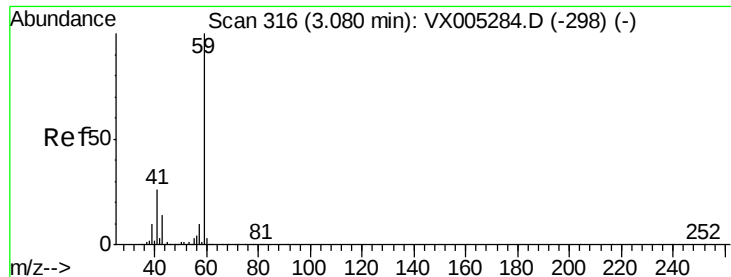


#10

Methyl Iodide
 Concen: 2.986 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

Tgt Ion:142 Resp: 1167
 Ion Ratio Lower Upper
 142 100
 127 38.4 33.8 50.6
 141 14.9 11.4 17.0

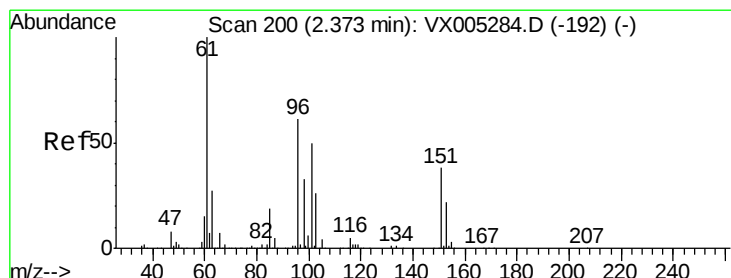
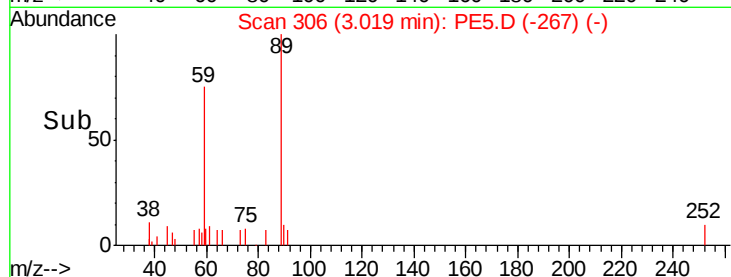
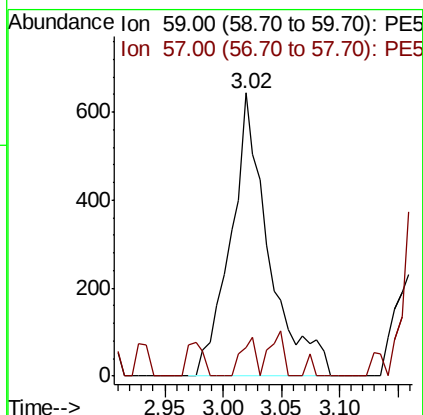
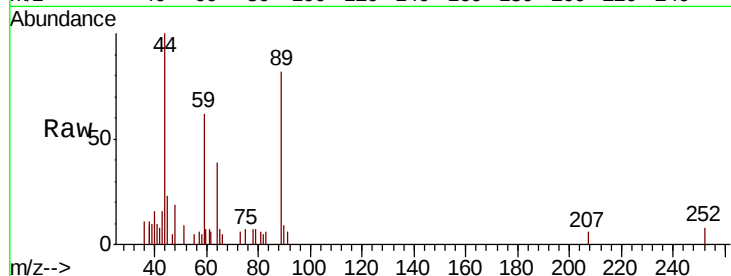




#11
Tert butyl alcohol
Concen: 2.034 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

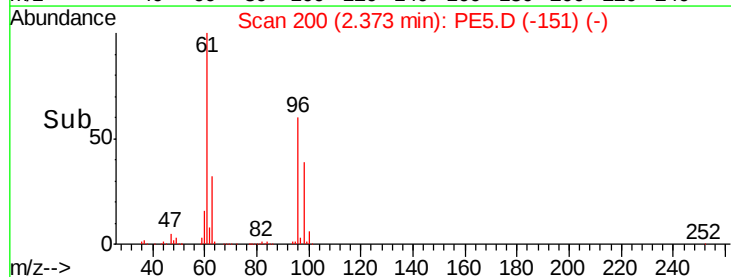
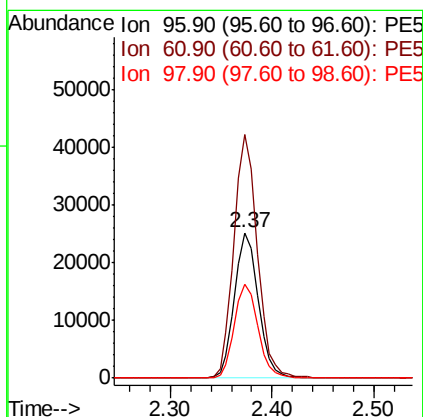
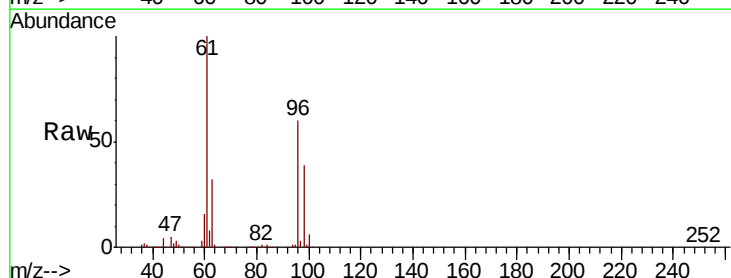
Instrument :
MSVOA_X
ClientSampled :

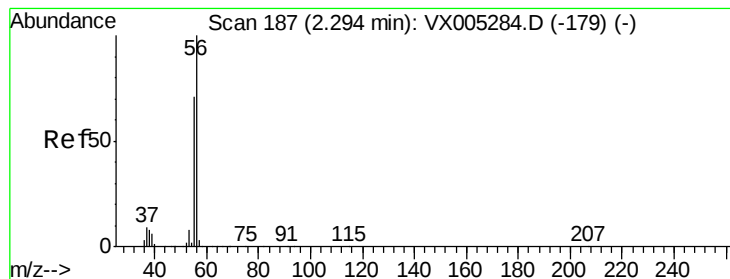
Tot Ion: 59 Resp: 1466
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 20.228 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Tgt Ion: 96 Resp: 40785
Ion Ratio Lower Upper
96 100
61 167.5 128.8 193.2
98 64.6 52.2 78.2





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

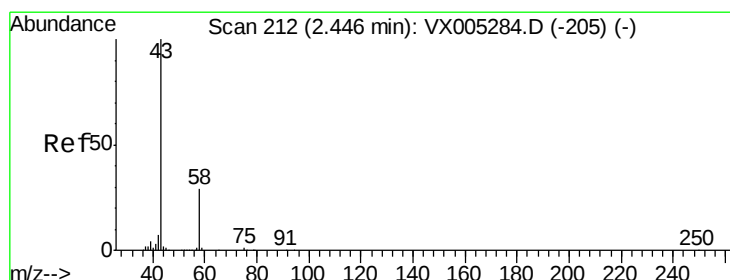
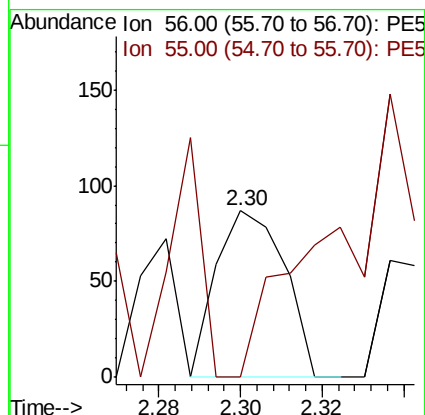
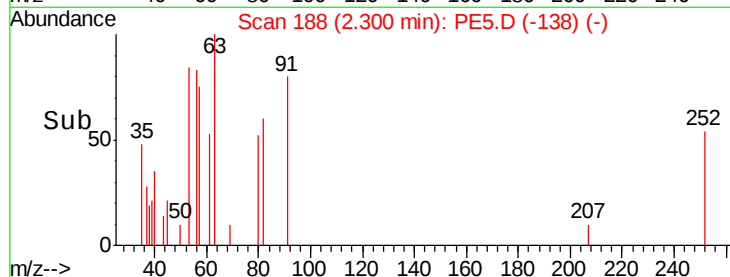
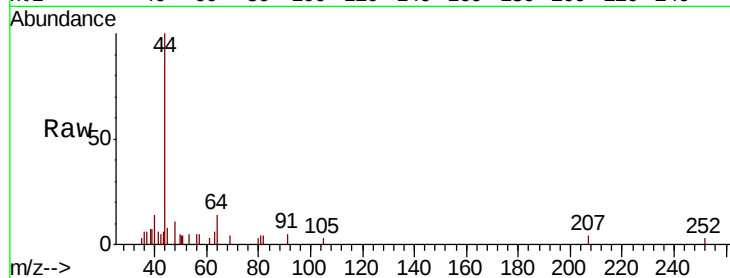
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 0.520 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: PE5.D

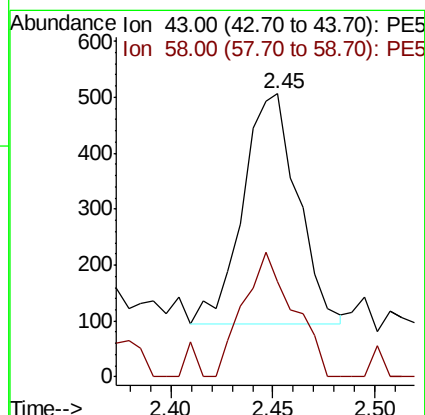
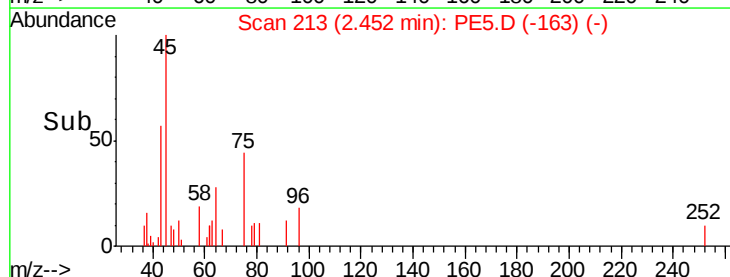
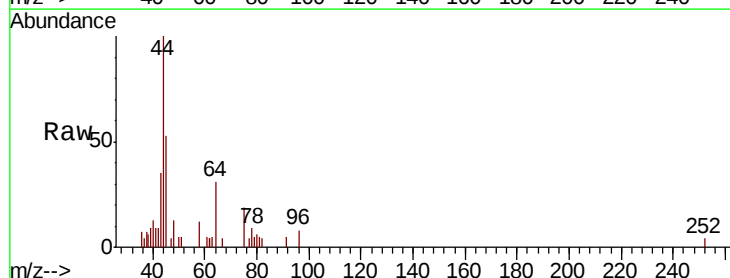
Acq: 19 Oct 2018 20:33

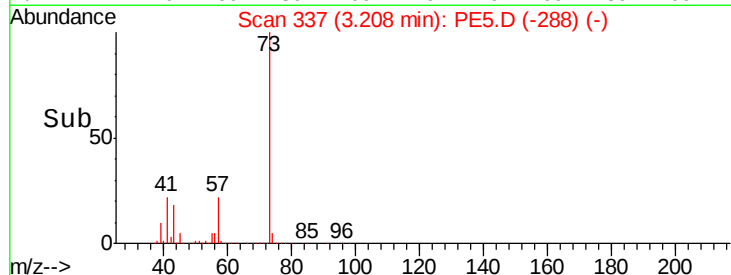
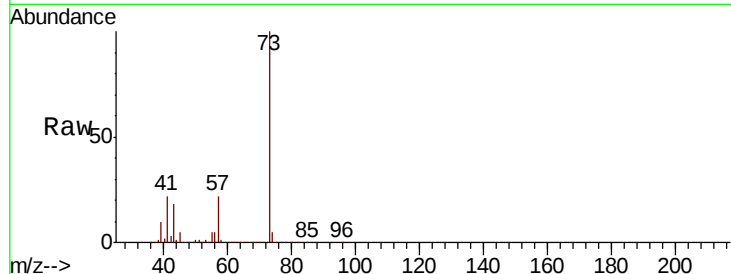
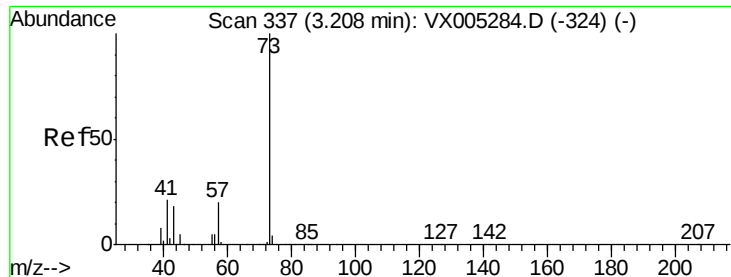
Tgt Ion: 43 Resp: 768

Ion Ratio Lower Upper

43 100

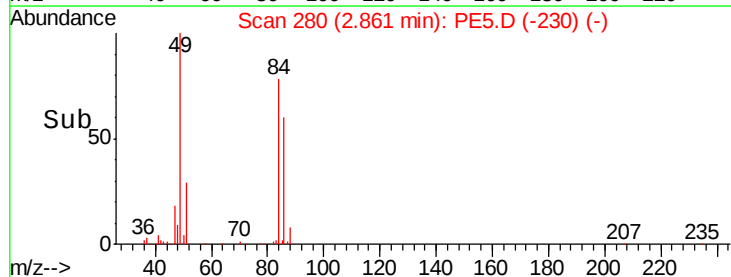
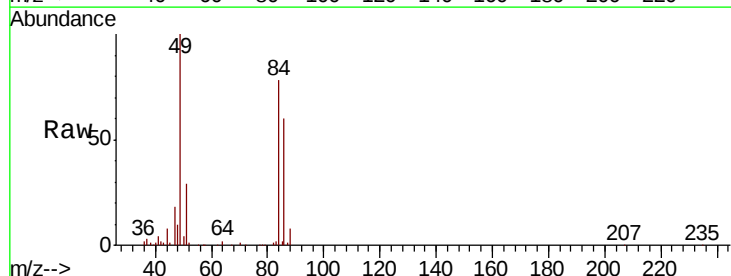
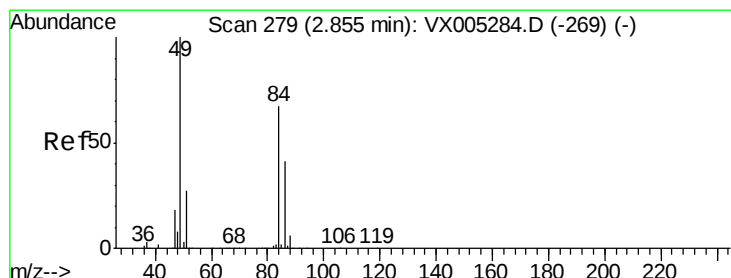
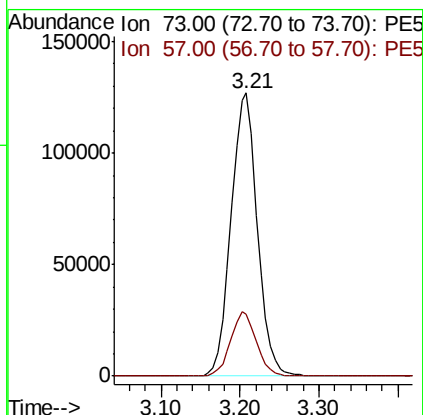
58 41.6 26.2 39.4#





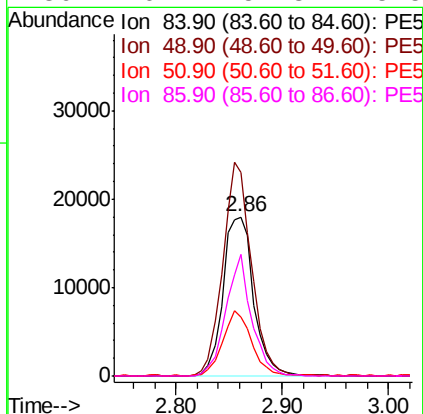
#19
Methyl tert-butyl Ether
Concen: 41.345 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

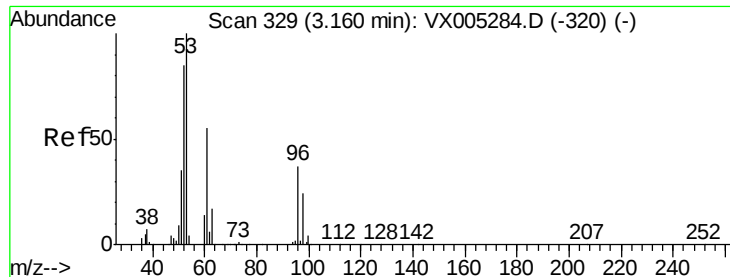
Tot Ion: 73 Resp: 293595
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7



#20
Methylene Chloride
Concen: 15.908 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Tgt Ion: 84 Resp: 36163
Ion Ratio Lower Upper
84 100
49 127.7 101.2 151.8
51 36.6 29.5 44.3
86 76.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 3.691 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :
MSVOA_X
ClientSampled :

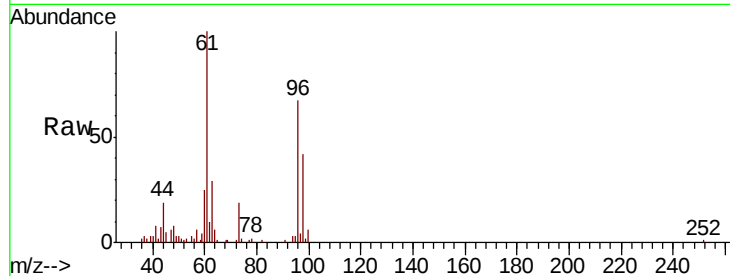
Tot Ion: 96 Resp: 8248

Ion Ratio Lower Upper

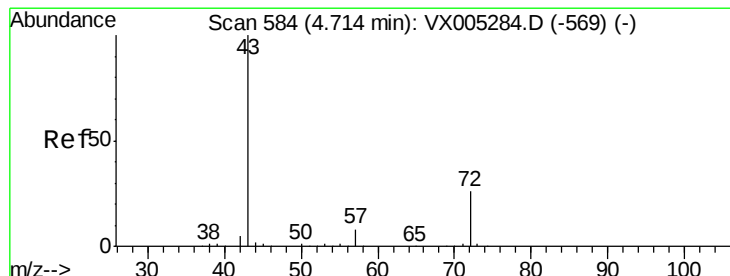
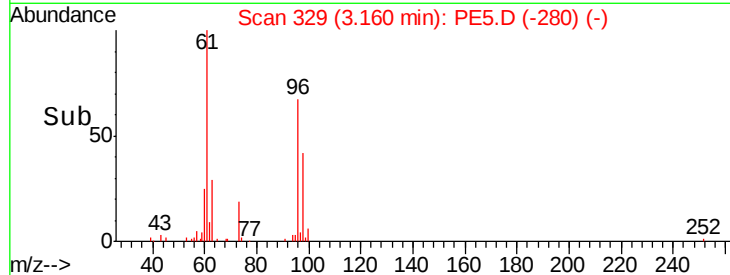
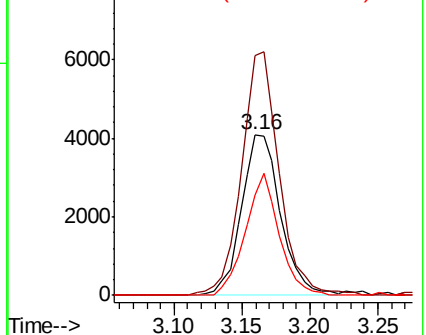
96 100

61 149.3 113.8 170.6

98 62.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): PE5
Ion 60.90 (60.60 to 61.60): PE5
Ion 97.90 (97.60 to 98.60): PE5



#25

2-Butanone

Concen: 0.384 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.00 min

Lab File: PE5.D

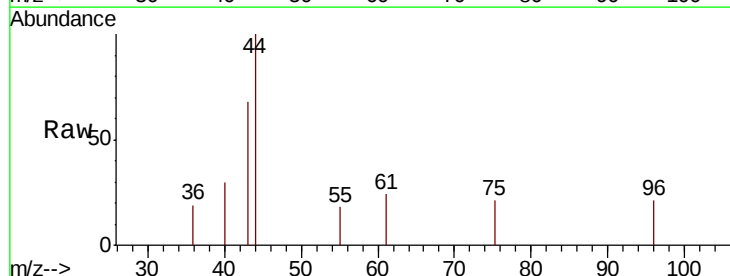
Acq: 19 Oct 2018 20:33

Tgt Ion: 43 Resp: 830

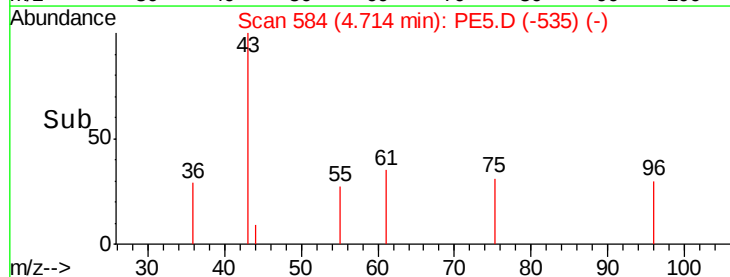
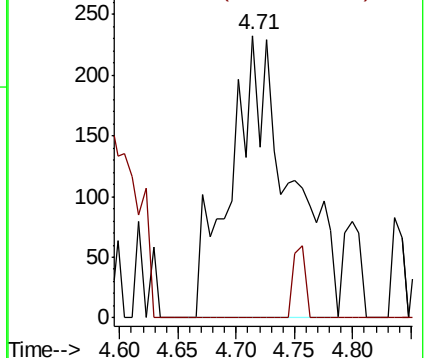
Ion Ratio Lower Upper

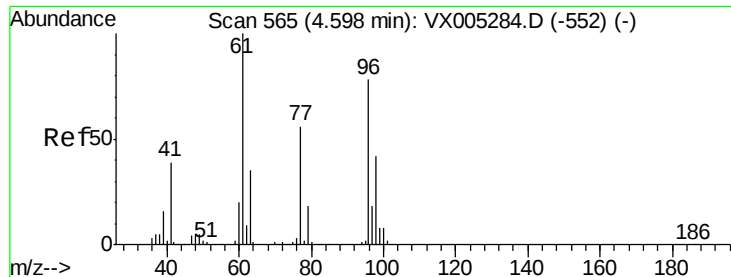
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): PE5
Ion 72.00 (71.70 to 72.70): PE5



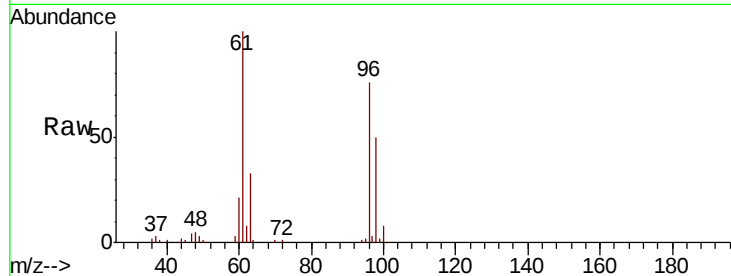


#27

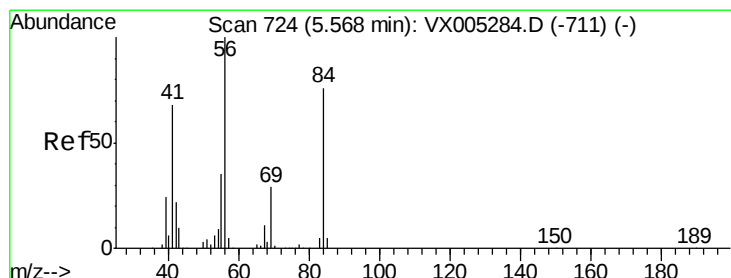
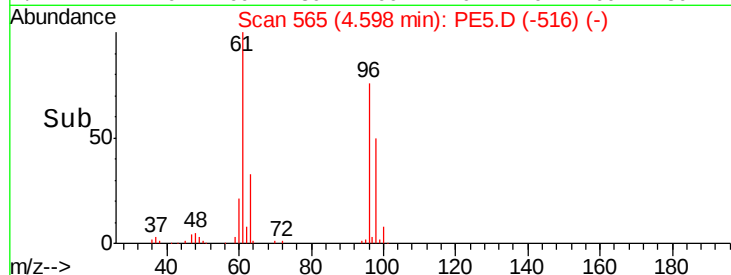
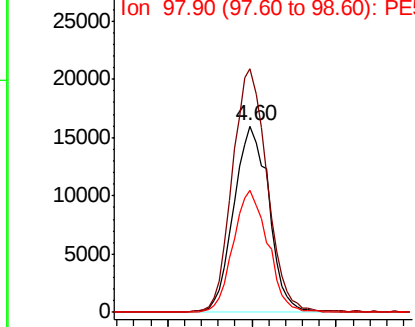
cis-1,2-Dichloroethene
Concen: 18.624 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	282.6
98	64.4	0.0	130.2



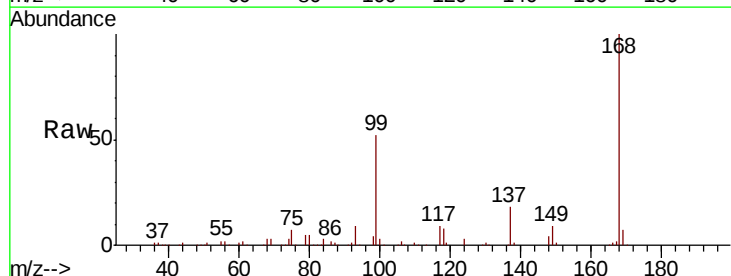
Abundance Ion 95.90 (95.60 to 96.60): PE5
Ion 60.90 (60.60 to 61.60): PE5
Ion 97.90 (97.60 to 98.60): PE5



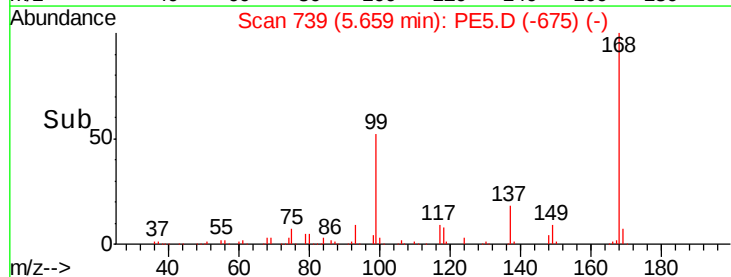
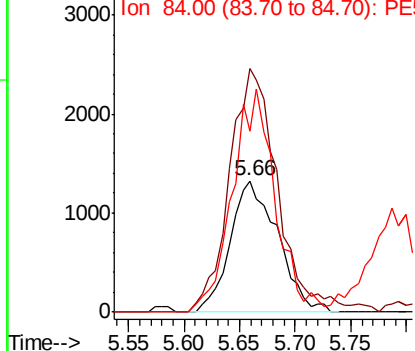
#31

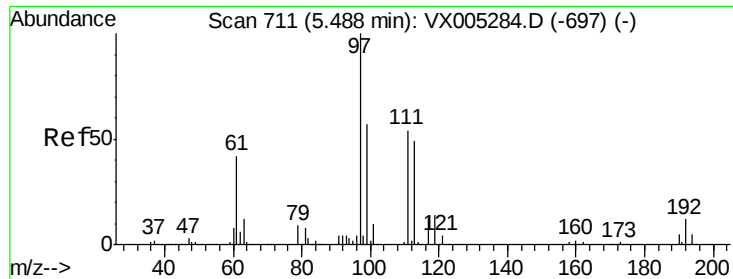
Cyclohexane
Concen: 1.118 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	185.8	25.4	38.2#
84	138.0	71.4	107.2#



Abundance Ion 56.00 (55.70 to 56.70): PE5
Ion 69.00 (68.70 to 69.70): PE5
Ion 84.00 (83.70 to 84.70): PE5





#32

1,1,1-Trichloroethane

Concen: 3.438 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

ClientSampled :

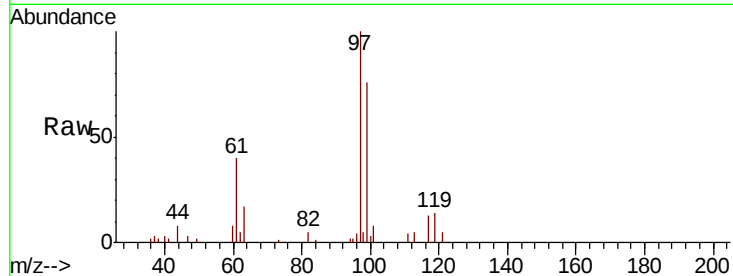
Tot Ion: 97 Resp: 11832

Ion Ratio Lower Upper

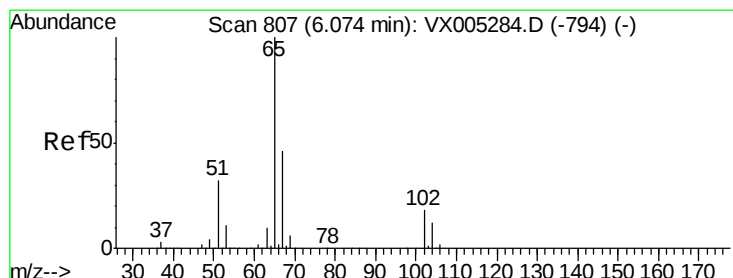
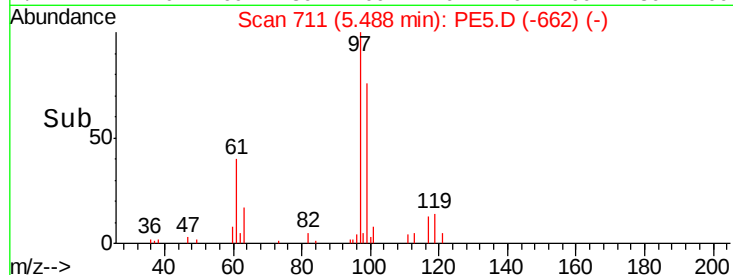
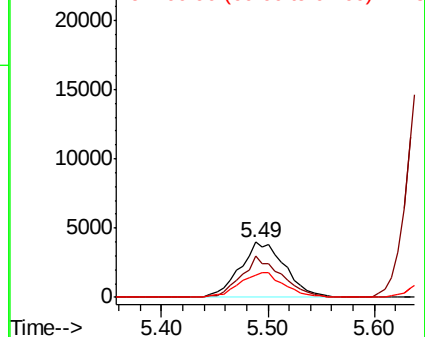
97 100

99 65.8 52.0 78.0

61 44.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): PE5
Ion 98.90 (98.60 to 99.60): PE5
Ion 60.90 (60.60 to 61.60): PE5



#33

1,2-Dichloroethane-d4

Concen: 0.421 ug/l

RT: 6.08 min Scan# 808

Delta R.T. 0.01 min

Lab File: PE5.D

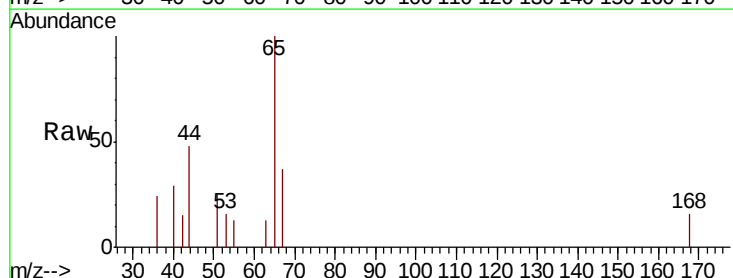
Acq: 19 Oct 2018 20:33

Tgt Ion: 65 Resp: 1075

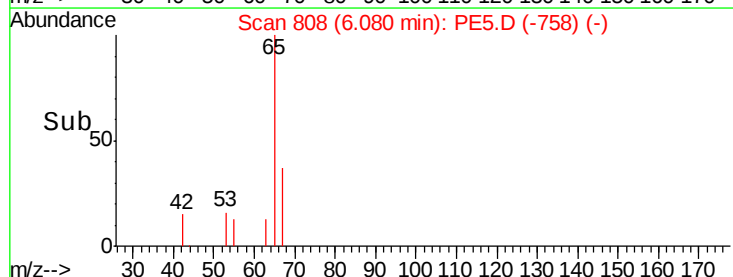
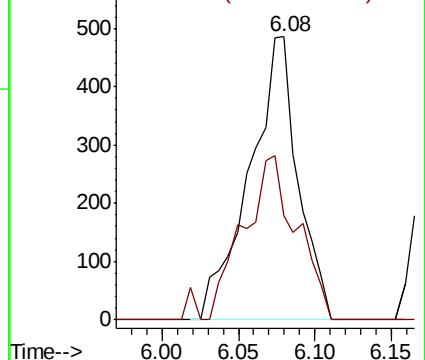
Ion Ratio Lower Upper

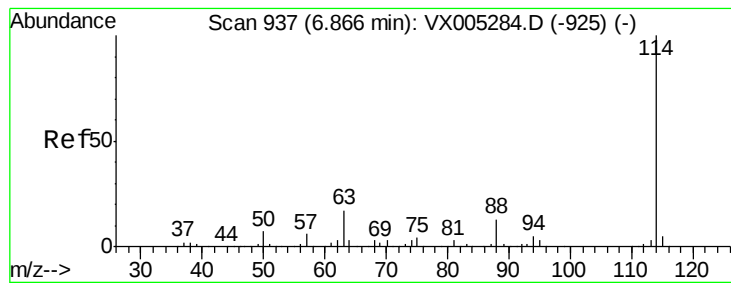
65 100

67 63.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): PE5
Ion 66.90 (66.60 to 67.60): PE5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

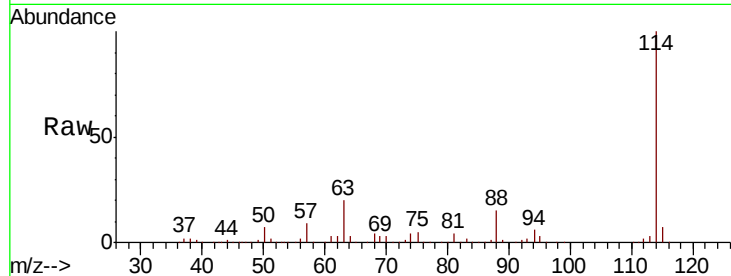
Tot Ion:114 Resp: 332042

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

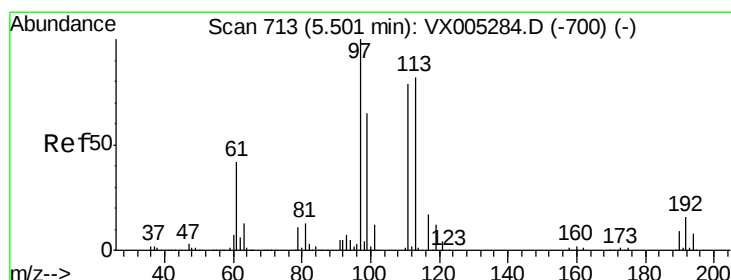
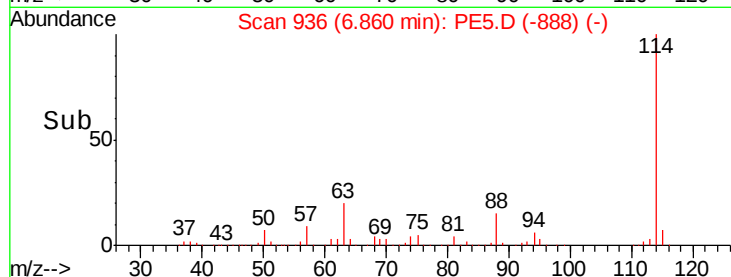
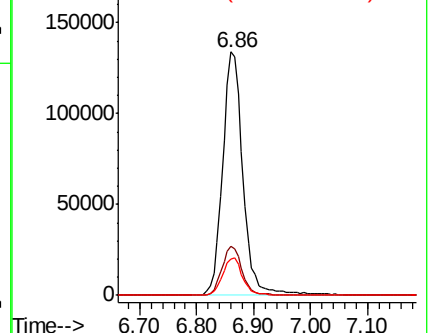
88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): F

Ion 63.00 (62.70 to 63.70): PE5

Ion 87.90 (87.60 to 88.60): PE5



#35

Dibromofluoromethane

Concen: 0.302 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

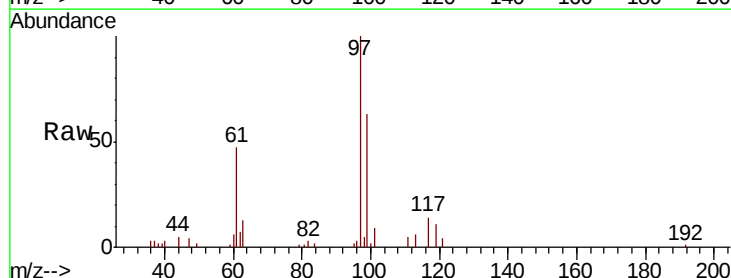
Tgt Ion:113 Resp: 664

Ion Ratio Lower Upper

113 100

111 106.3 82.4 123.6

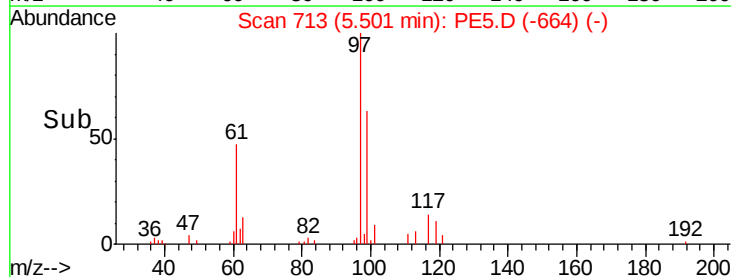
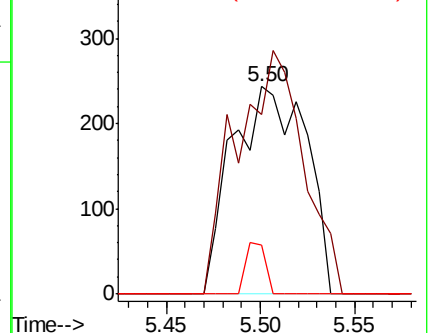
192 6.5 19.4 29.2#

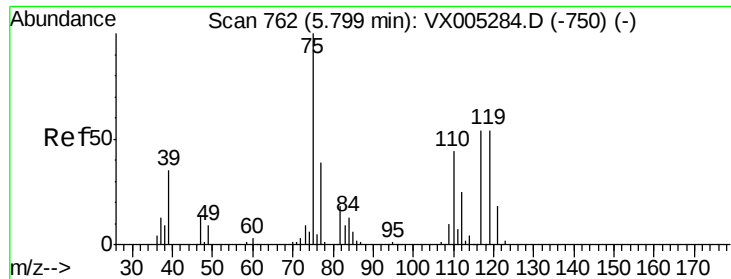


Abundance Ion 112.80 (112.50 to 113.50): F

Ion 110.80 (110.50 to 111.50): F

Ion 191.70 (191.40 to 192.40): F





#36

1,1-Dichloropropene

Concen: 13.477 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

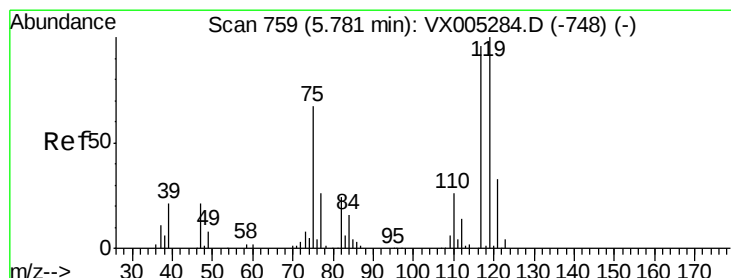
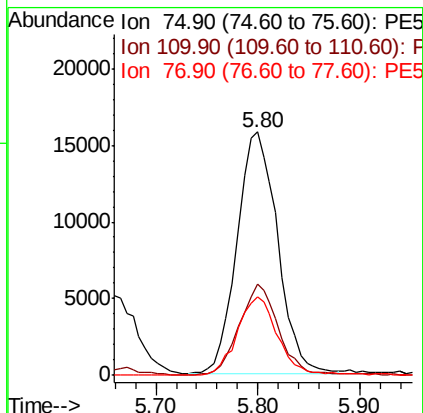
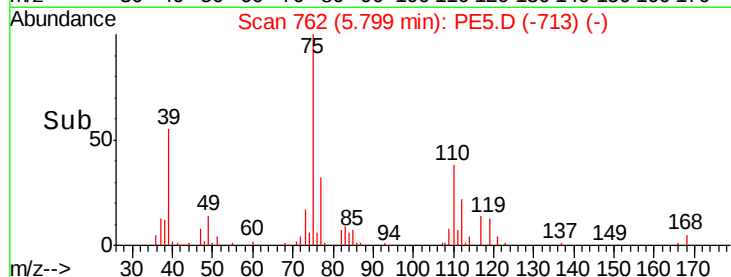
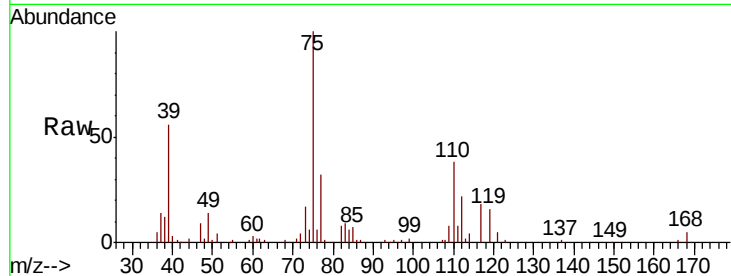
Tot Ion: 75 Resp: 43340

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

77 32.0 24.6 36.8



#38

Carbon Tetrachloride

Concen: 3.777 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

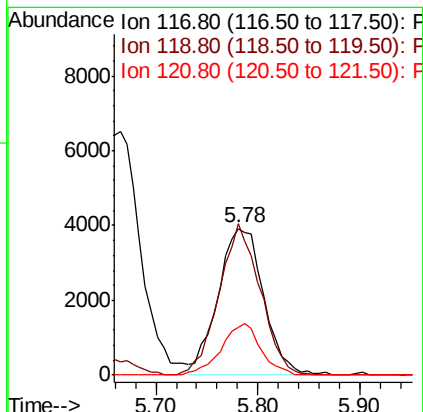
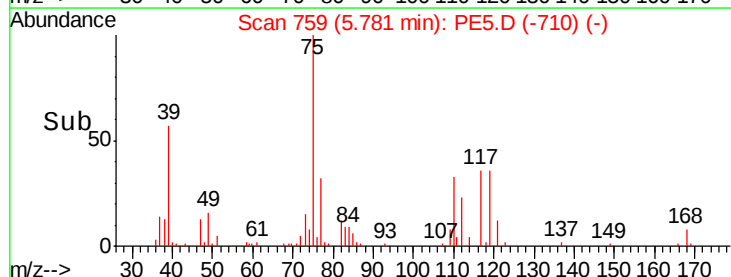
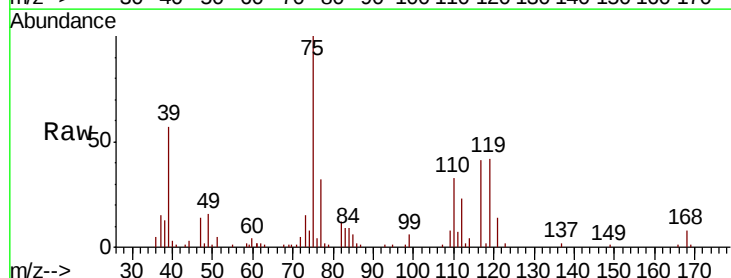
Tgt Ion: 117 Resp: 12205

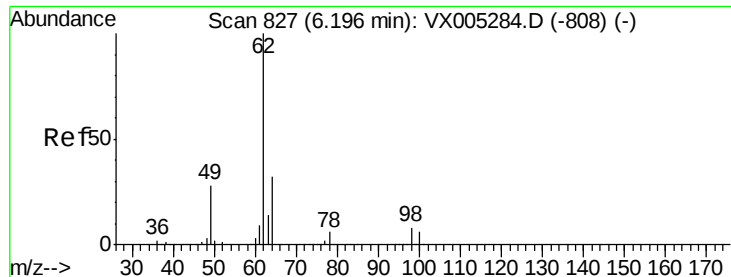
Ion Ratio Lower Upper

117 100

119 103.3 78.8 118.2

121 33.0 24.9 37.3





#42

1,2-Dichloroethane

Concen: 18.255 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

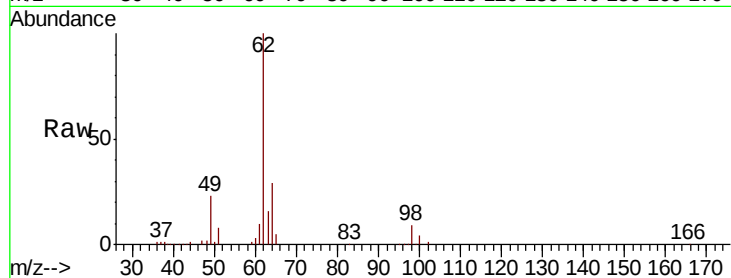
ClientSampleId :

Tot Ion: 62 Resp: 62182

Ion Ratio Lower Upper

62 100

98 8.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): PE5

Ion 97.90 (97.60 to 98.60): PE5

6.20

30000

25000

20000

15000

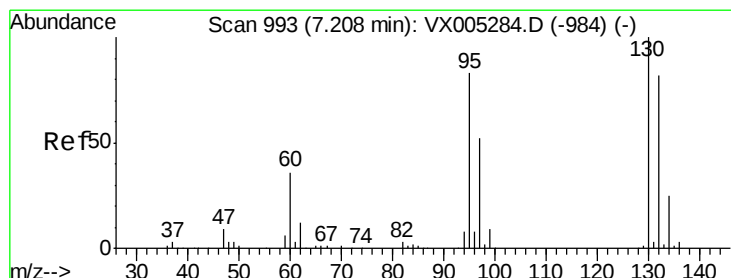
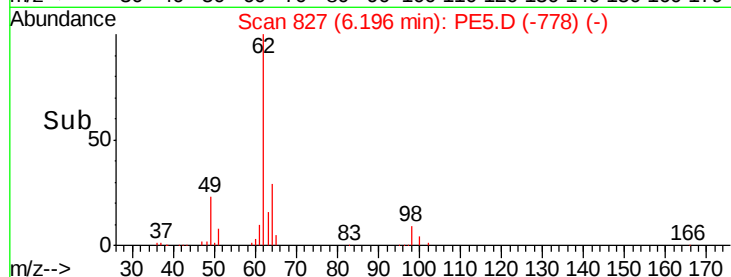
10000

5000

0

Time-->

6.10 6.20 6.30



#44

Trichloroethene

Concen: 11.200 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: PE5.D

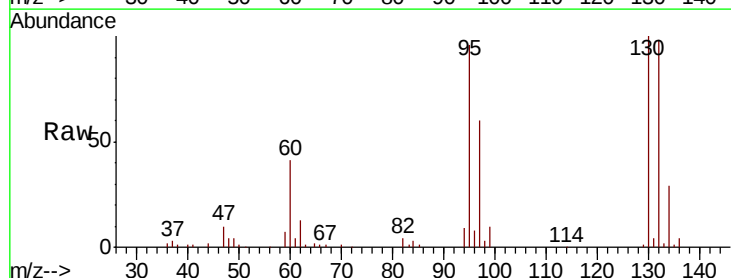
Acq: 19 Oct 2018 20:33

Tgt Ion:130 Resp: 28776

Ion Ratio Lower Upper

130 100

95 96.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): F

15000 Ion 94.90 (94.60 to 95.60): PE5

7.21

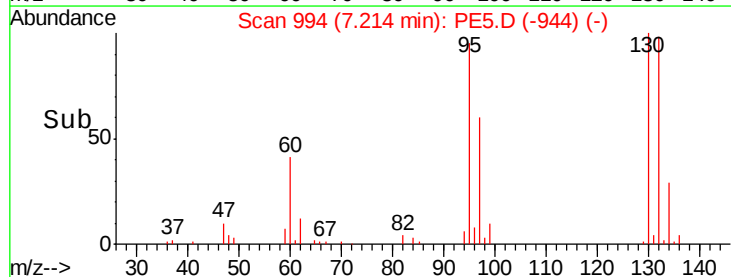
10000

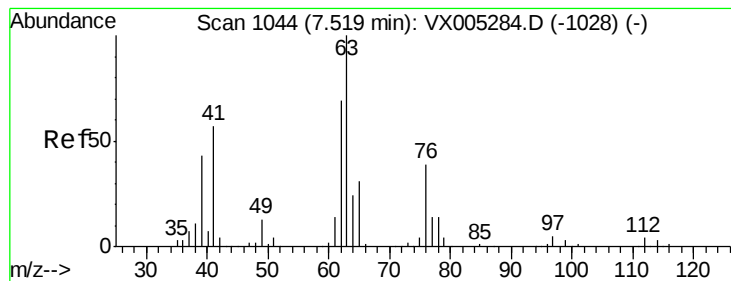
5000

0

Time-->

7.10 7.20 7.30 7.40





#45

1,2-Dichloropropane

Concen: 18.483 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

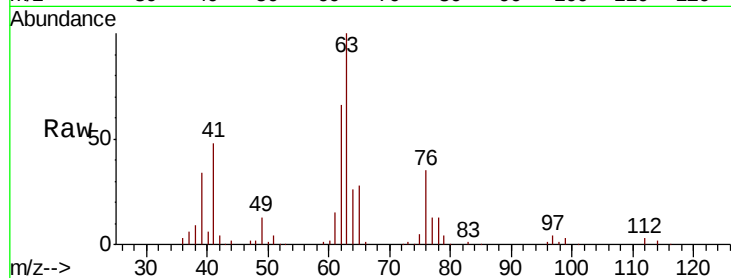
ClientSampled :

Tot Ion: 63 Resp: 43737

Ion Ratio Lower Upper

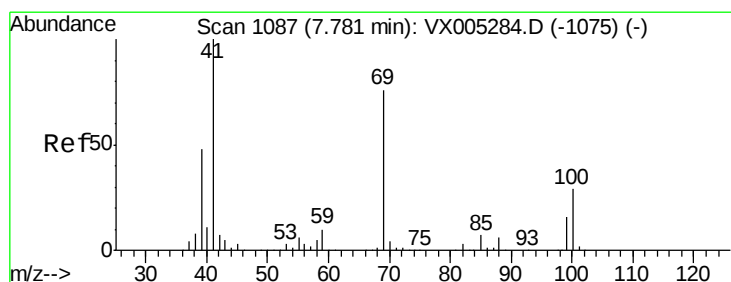
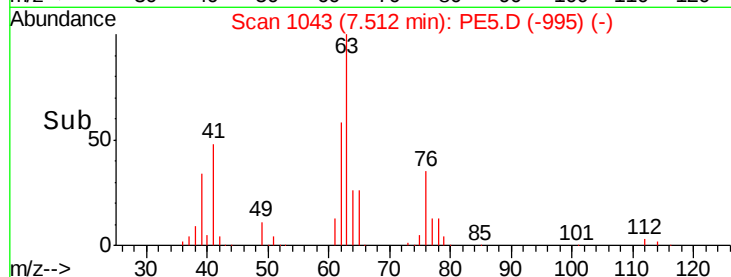
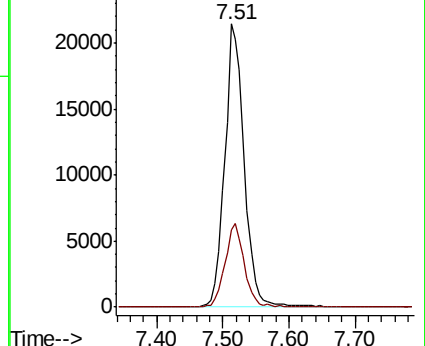
63 100

65 27.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): PE5

Ion 64.90 (64.60 to 65.60): PE5



#48

Methyl methacrylate

Concen: 7.881 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.26 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

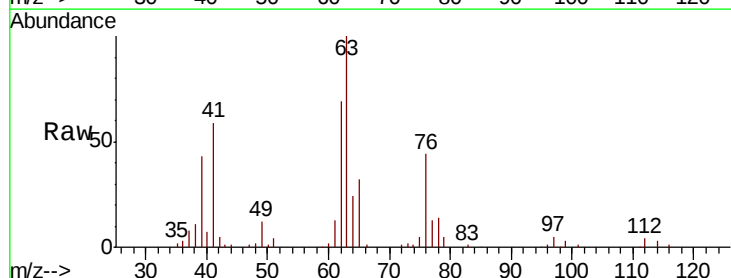
Tgt Ion: 41 Resp: 22517

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

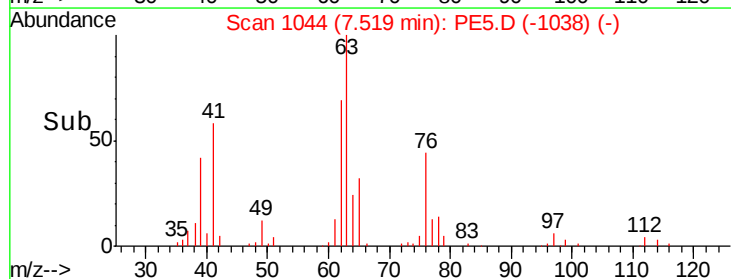
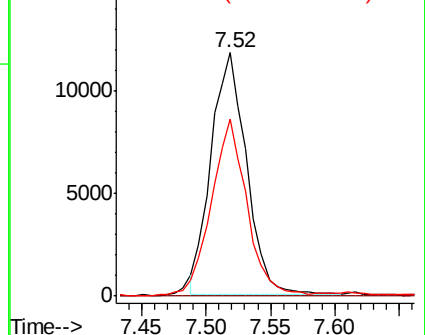
39 68.9 42.7 64.1#

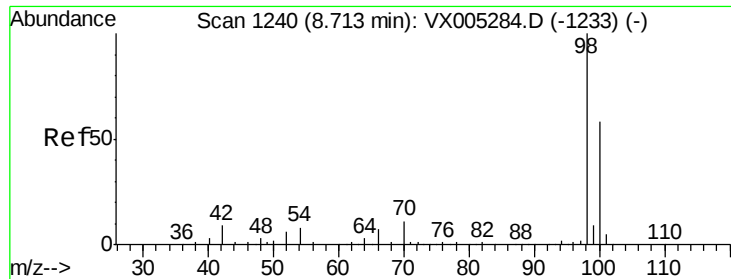


Abundance Ion 41.00 (40.70 to 41.70): PE5

Ion 69.00 (68.70 to 69.70): PE5

Ion 39.00 (38.70 to 39.70): PE5





#50

Toluene-d8

Concen: 0.244 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

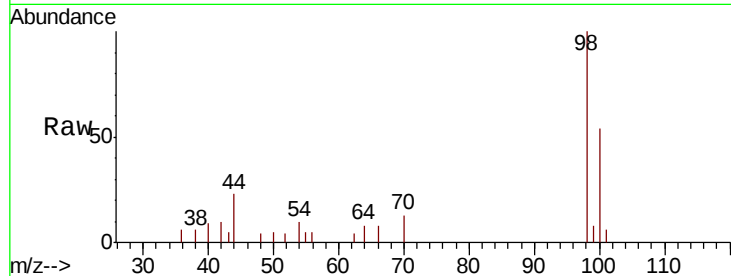
ClientSampled :

Tot Ion: 98 Resp: 1842

Ion Ratio Lower Upper

98 100

100 58.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): PE5

Ion 100.00 (99.70 to 100.70): PE5

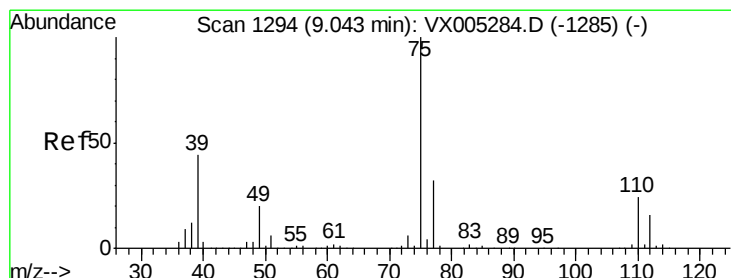
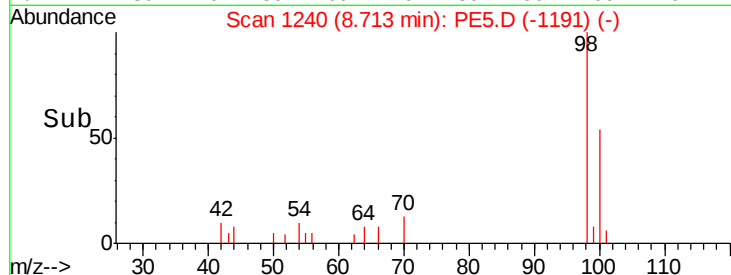
8.71

1000

500

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 13.050 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: PE5.D

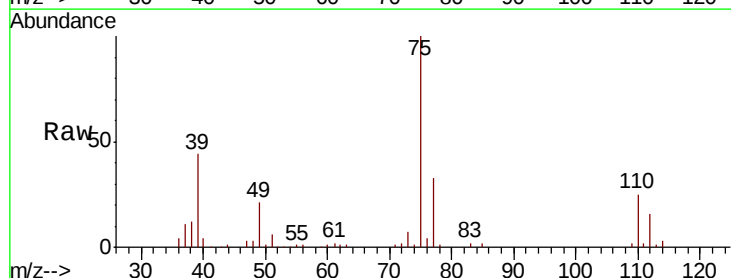
Acq: 19 Oct 2018 20:33

Tgt Ion: 75 Resp: 40800

Ion Ratio Lower Upper

75 100

77 33.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): PE5

Ion 76.90 (76.60 to 77.60): PE5

9.04

30000

25000

20000

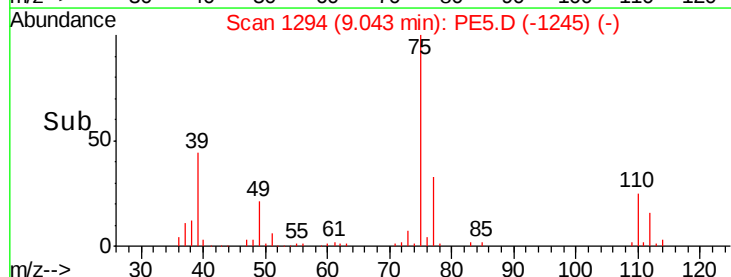
15000

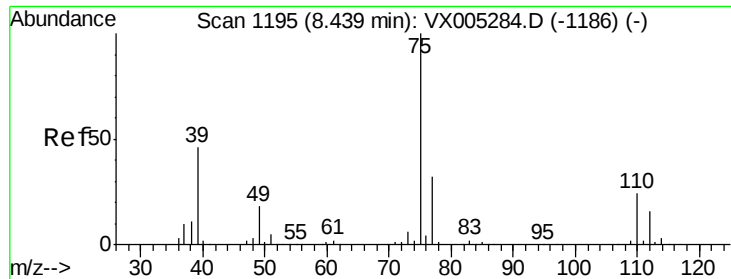
10000

5000

0

Time-->



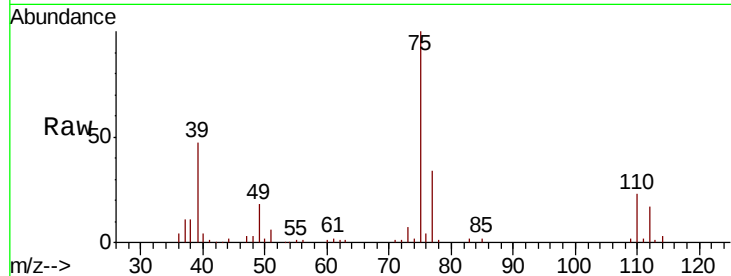


#54

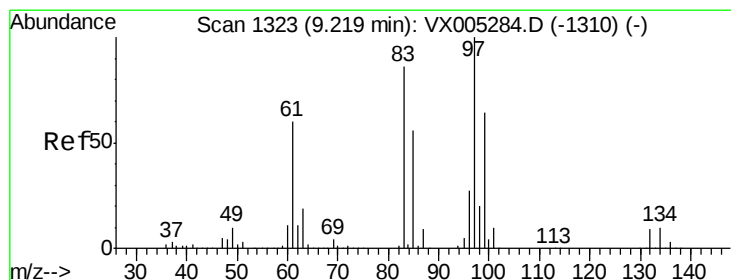
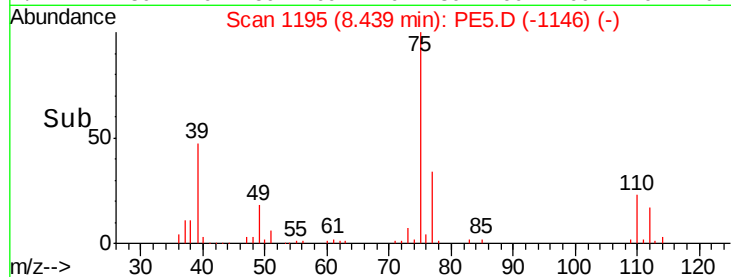
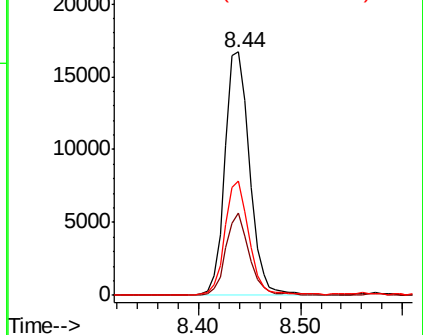
cis-1,3-Dichloropropene
 Concen: 8.285 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	28066
Ion Ratio	Lower	Upper	
75	100		
77	33.7	26.2	39.2
39	46.9	36.4	54.6



Abundance Ion 74.90 (74.60 to 75.60): PE5
 Ion 76.90 (76.60 to 77.60): PE5
 Ion 39.00 (38.70 to 39.70): PE5

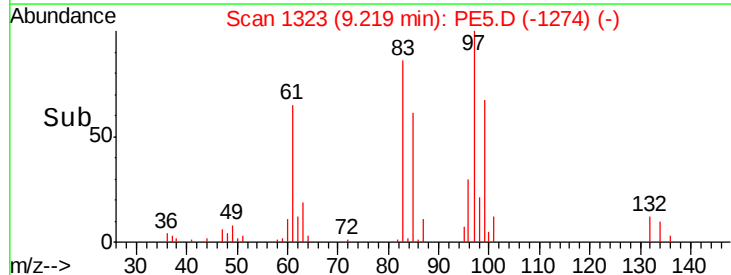
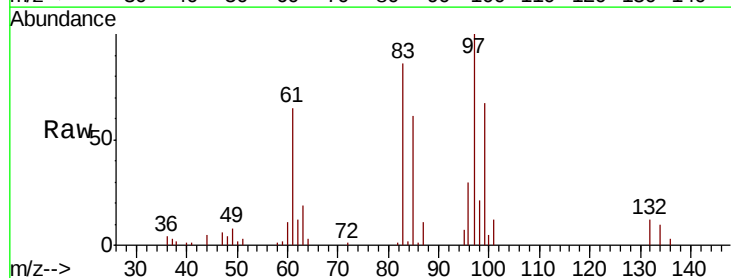
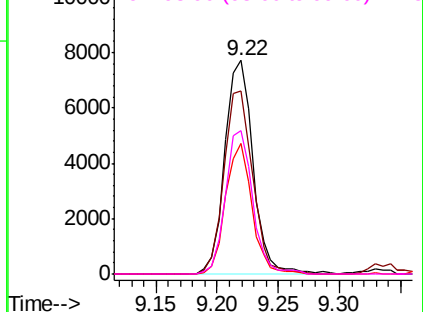


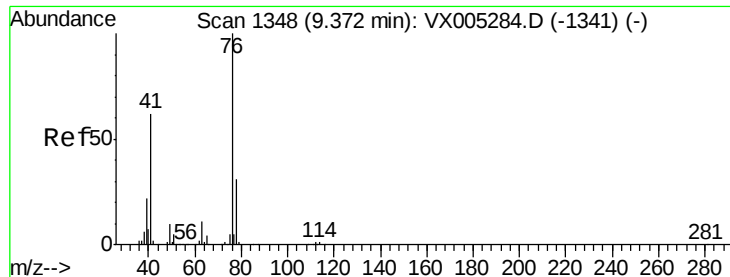
#55

1,1,2-Trichloroethane
 Concen: 5.534 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

Tgt Ion	97	Resp	12370
Ion Ratio	Lower	Upper	
97	100		
83	85.6	66.4	99.6
85	61.0	43.3	64.9
99	67.0	49.0	73.4

Abundance Ion 96.90 (96.60 to 97.60): PE5
 Ion 82.90 (82.60 to 83.60): PE5
 Ion 84.90 (84.60 to 85.60): PE5
 Ion 98.90 (98.60 to 99.60): PE5





#57

1,3-Dichloropropane

Concen: 14.695 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

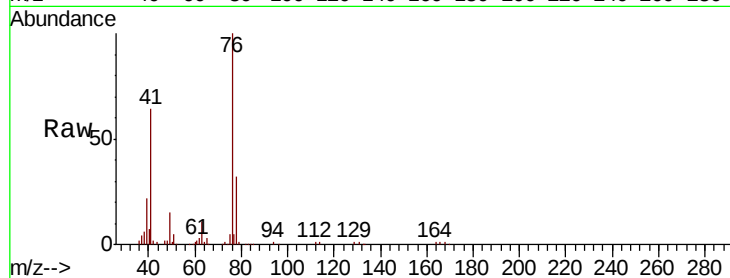
ClientSampled :

Tot Ion: 76 Resp: 54829

Ion Ratio Lower Upper

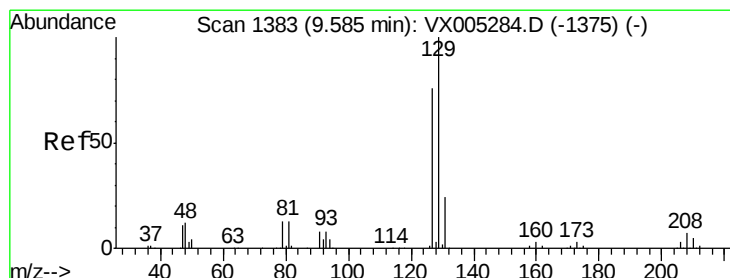
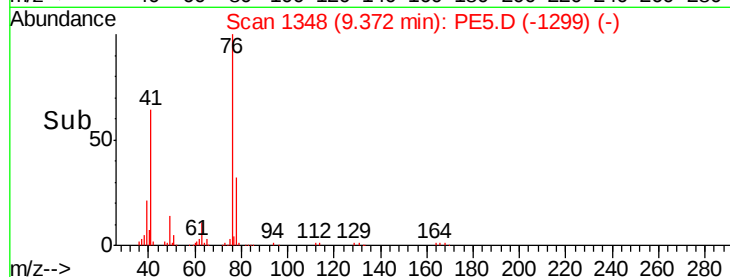
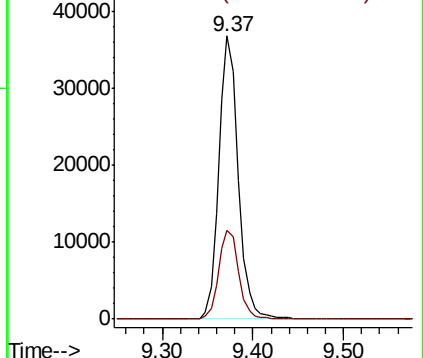
76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): PE5

Ion 77.90 (77.60 to 78.60): PE5



#60

Dibromochloromethane

Concen: 10.464 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: PE5.D

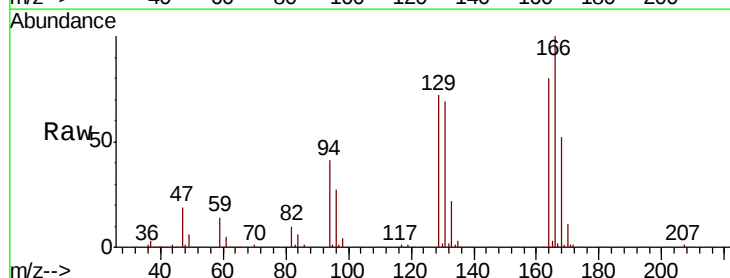
Acq: 19 Oct 2018 20:33

Tgt Ion: 129 Resp: 24179

Ion Ratio Lower Upper

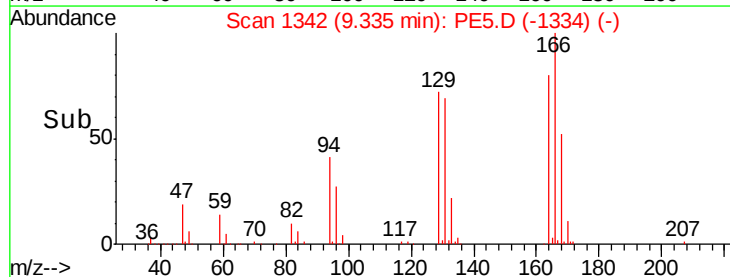
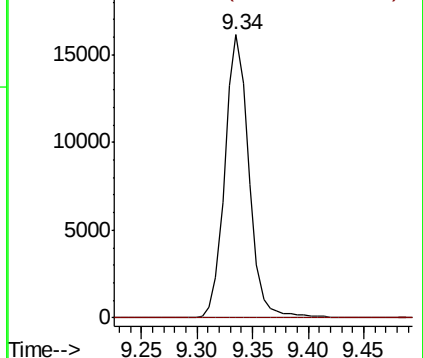
129 100

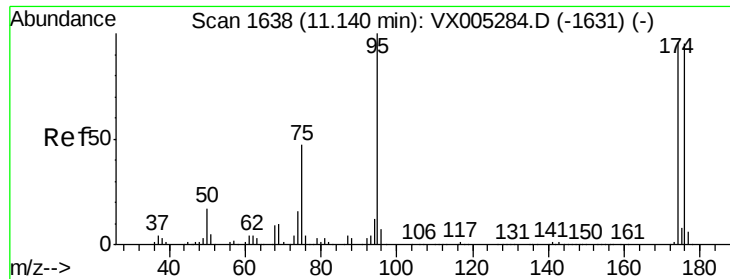
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): F

Ion 126.80 (126.50 to 127.50): F

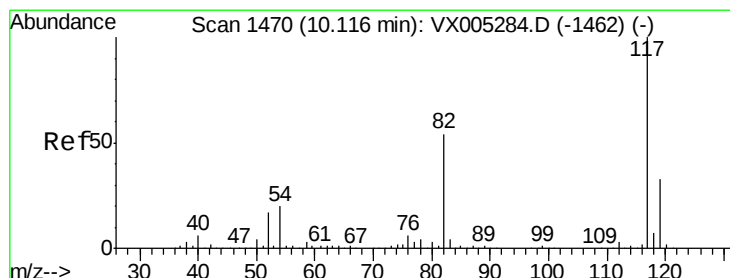
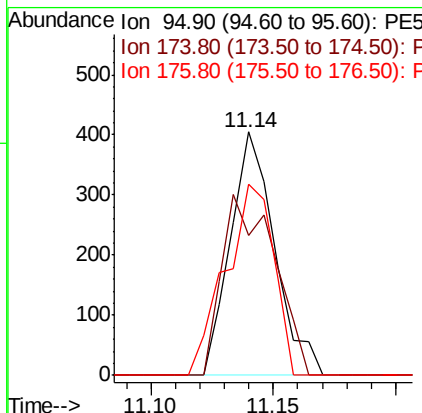
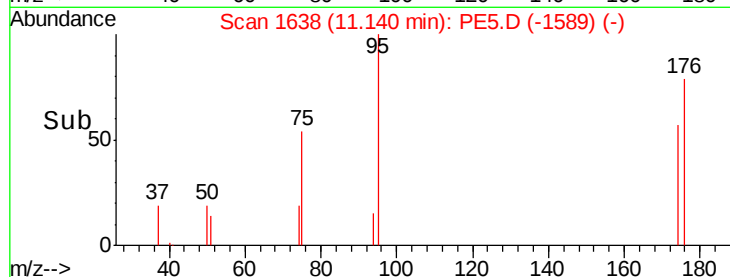
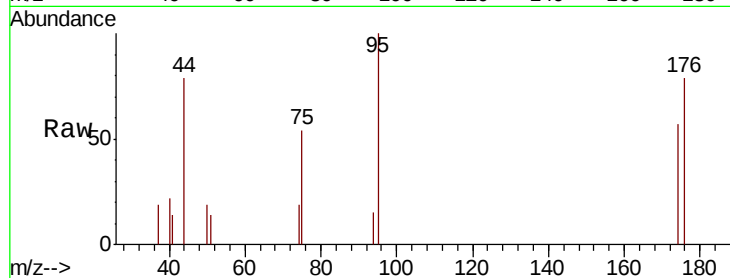




#62
 4-Bromofluorobenzene
 Concen: 0.179 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

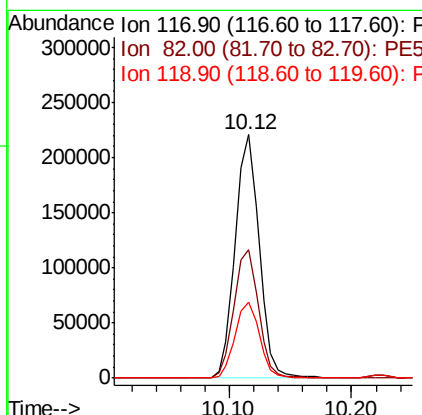
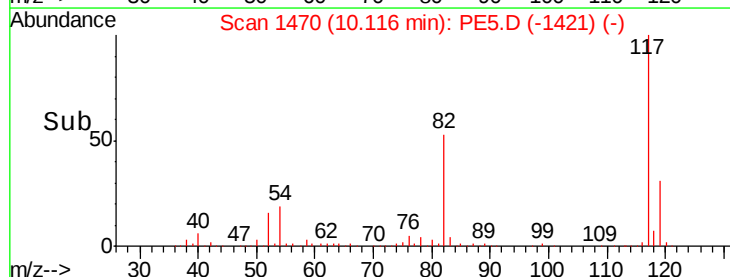
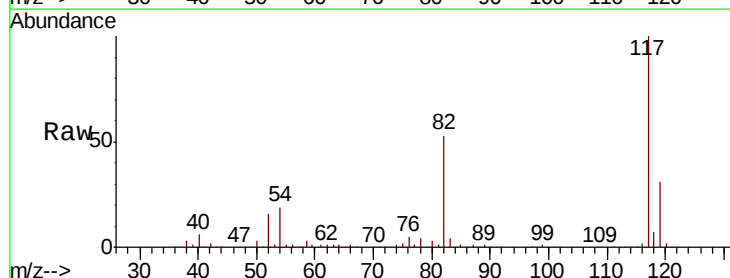
Instrument :
 MSVOA_X
 ClientSampleId :

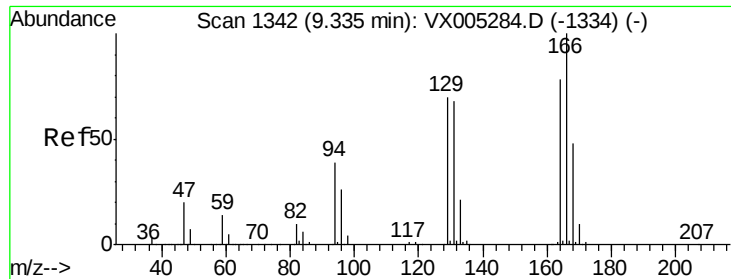
Tot Ion: 95 Resp: 509
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 185.2
 176 85.3 0.0 178.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: PE5.D
 Acq: 19 Oct 2018 20:33

Tgt Ion: 117 Resp: 300699
 Ion Ratio Lower Upper
 117 100
 82 52.8 47.8 71.6
 119 31.4 29.3 43.9

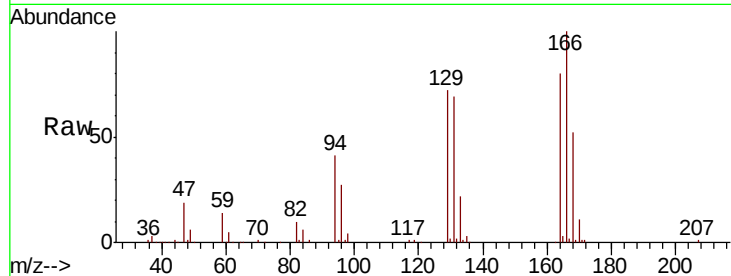




#64
Tetrachloroethene
Concen: 11.469 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.8	154.2
129	90.1	69.4	104.0
131	87.1	67.9	101.9



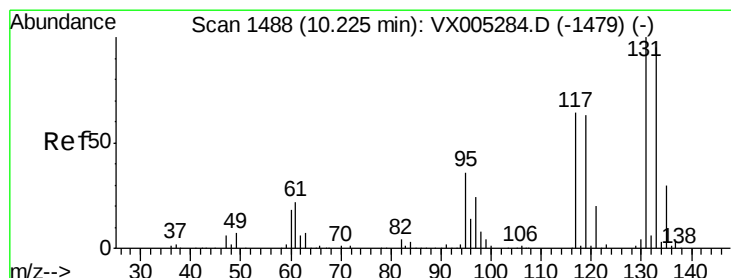
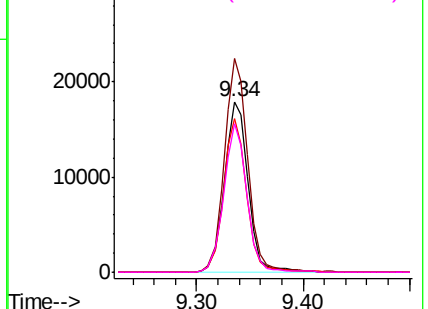
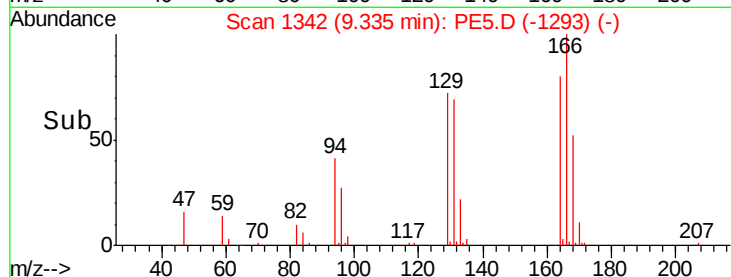
Abundance

Ion 163.80 (163.50 to 164.50): F

Ion 165.80 (165.50 to 166.50): F

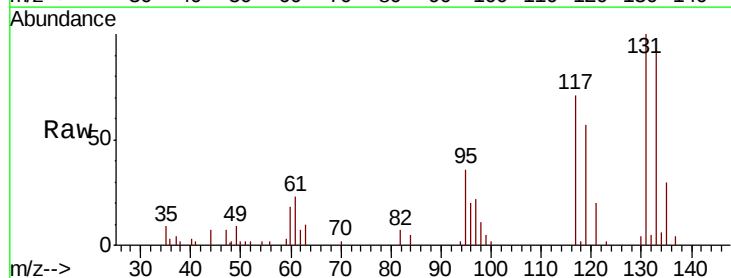
Ion 128.80 (128.50 to 129.50): F

Ion 130.80 (130.50 to 131.50): F



#66
1,1,1,2-Tetrachloroethane
Concen: 2.282 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: PE5.D
Acq: 19 Oct 2018 20:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.1	144.4
119	68.2	32.9	98.6

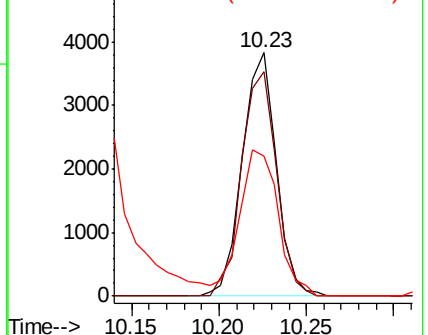
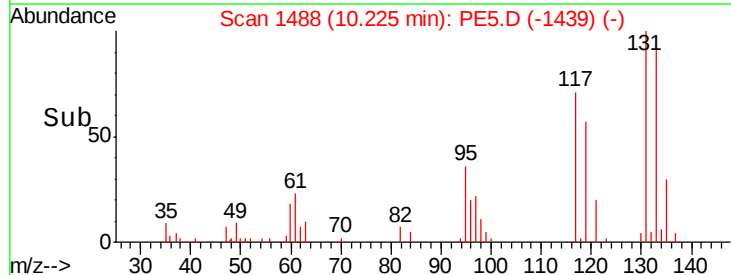


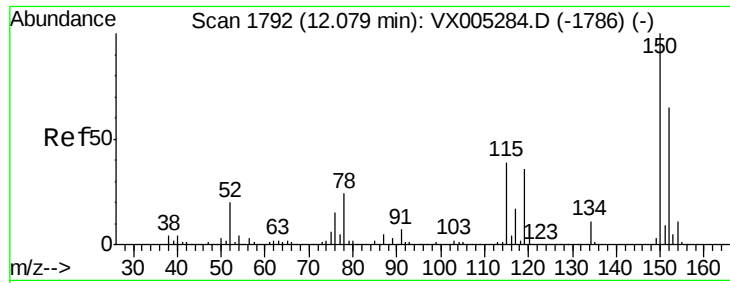
Abundance

Ion 130.80 (130.50 to 131.50): F

Ion 132.80 (132.50 to 133.50): F

Ion 118.80 (118.50 to 119.50): F





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

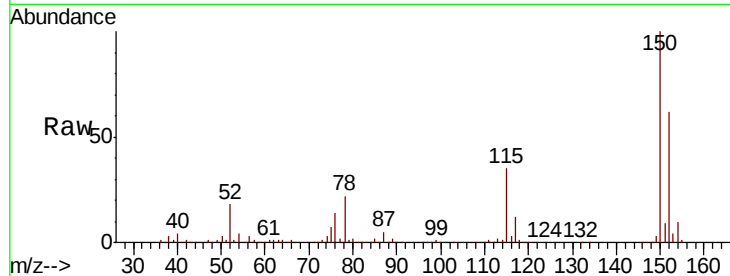
Tot Ion:152 Resp: 147426

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

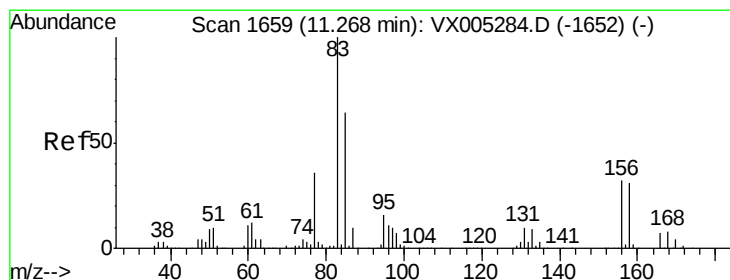
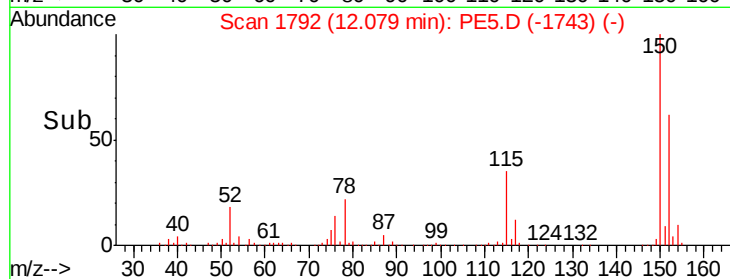
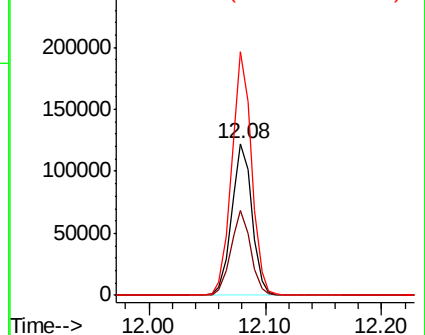
150 157.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): F

Ion 114.90 (114.60 to 115.60): F

Ion 149.90 (149.60 to 150.60): F



#75

1,1,2,2-Tetrachloroethane

Concen: 0.635 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.03 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

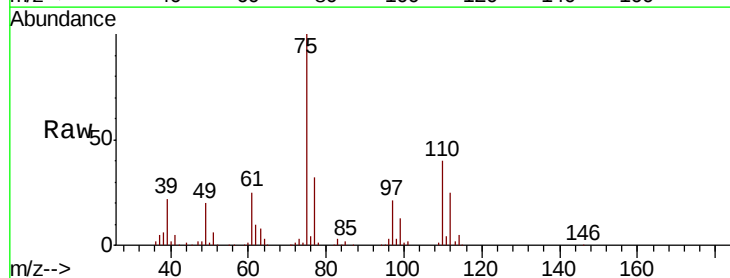
Tgt Ion: 83 Resp: 2099

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

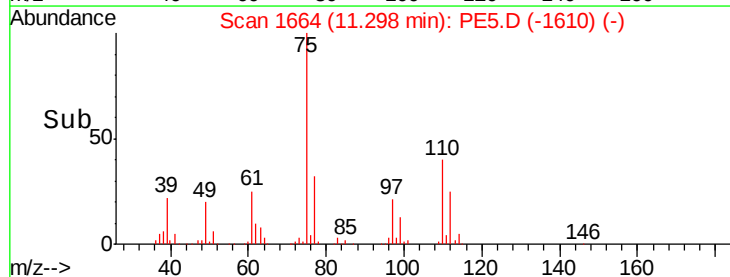
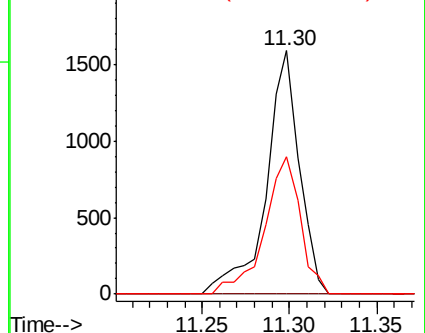
85 61.1 32.3 96.8

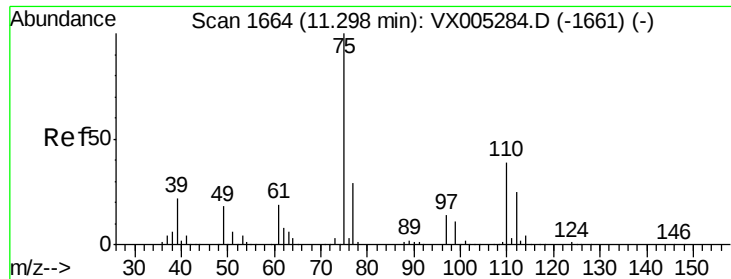


Abundance Ion 82.90 (82.60 to 83.60): PE5

Ion 130.80 (130.50 to 131.50): F

Ion 84.90 (84.60 to 85.60): PE5





#76

1,2,3-Trichloropropane

Concen: 22.682 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Instrument :

MSVOA_X

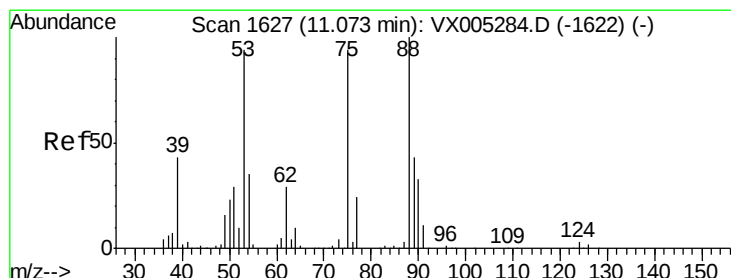
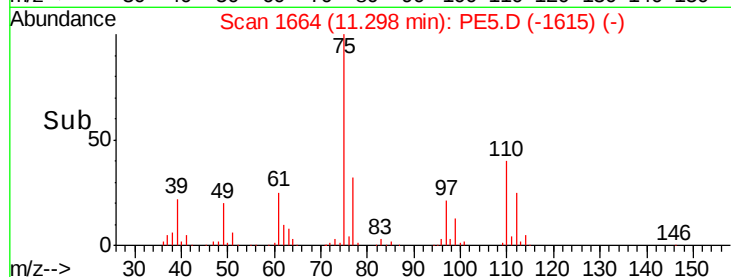
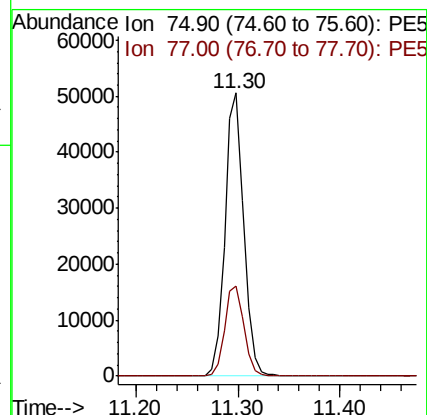
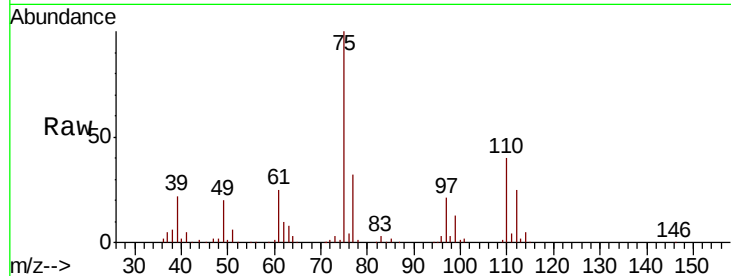
ClientSampled :

Tot Ion: 75 Resp: 64863

Ion Ratio Lower Upper

75 100

77 32.8 20.2 60.6



#81

trans-1,4-Dichloro-2-butene

Concen: 68.651 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.23 min

Lab File: PE5.D

Acq: 19 Oct 2018 20:33

Tgt Ion: 75 Resp: 64610

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 37.2 55.8#

