

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005315.D
 Acq On : 13 Oct 2018 01:51
 Operator : JC/MD
 Sample : J5393-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D2-20181008DL

Quant Time: Oct 13 04:08:34 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	5.66	168	273580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	159977	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	5.51	113	130780	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	8.71	98	460564	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	11.14	95	150796	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

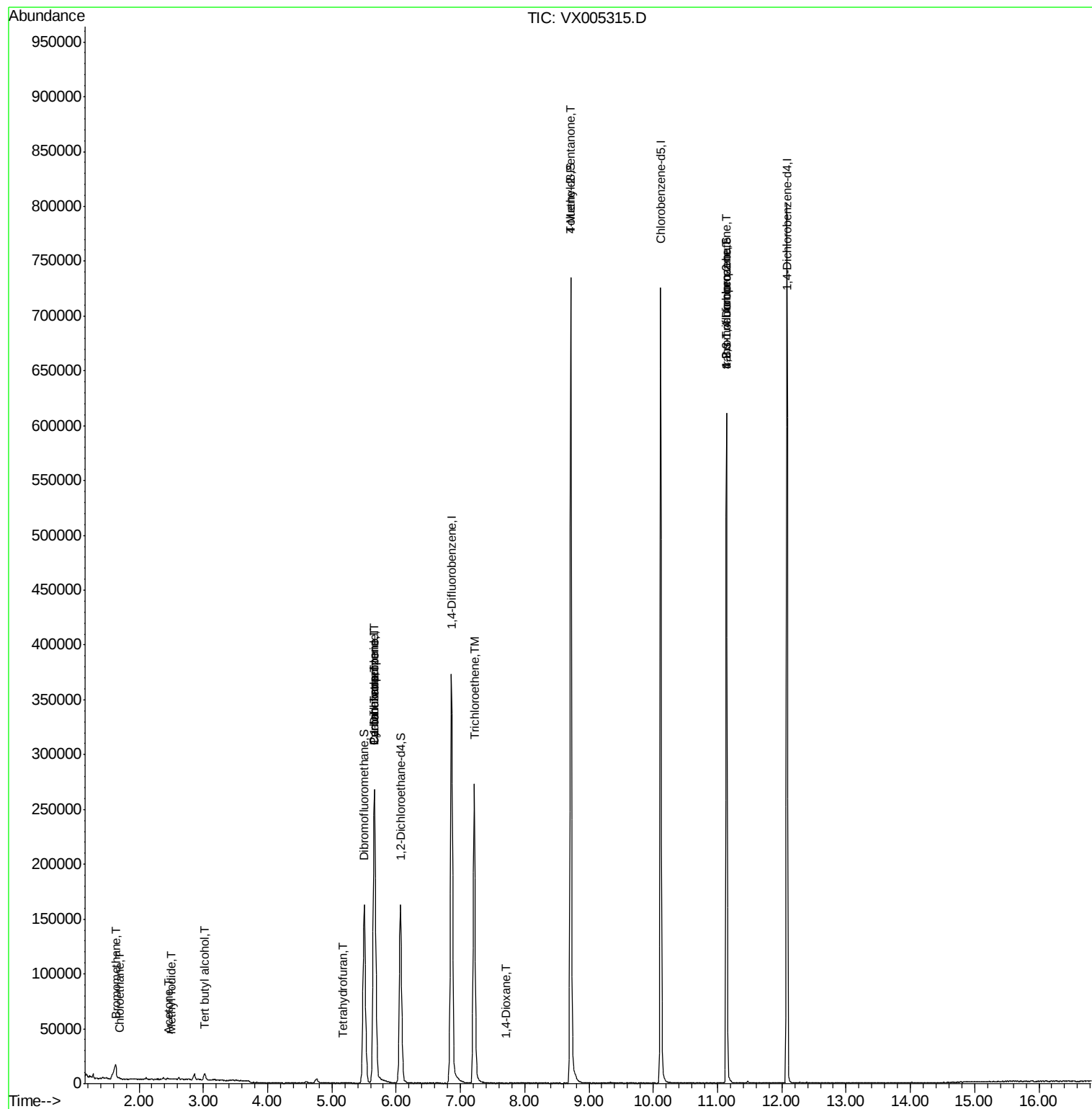
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	564	0.899	ug/l	88
6) Chloroethane	1.70	64	124	0.395	ug/l #	44
10) Methyl Iodide	2.51	142	423	2.640	ug/l #	84
11) Tert butyl alcohol	3.02	59	3619	4.225	ug/l #	76
13) Acrolein	2.29	56	90	Below Cal	#	1
16) Acetone	2.45	43	1538	0.876	ug/l	90
20) Methylene Chloride	2.86	84	2157	Below Cal	#	85
29) Tetrahydrofuran	5.17	42	601	0.367	ug/l #	47
31) Cyclohexane	5.66	56	4688	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17842	4.836	ug/l #	50
38) Carbon Tetrachloride	5.67	117	25018	6.749	ug/l #	15
44) Trichloroethene	7.21	130	112405	39.647	ug/l	95
49) 1,4-Dioxane	7.71	88	19	0.251	ug/l #	52
51) 4-Methyl-2-Pentanone	8.71	43	1973	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	74497	22.859	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74497	69.457	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

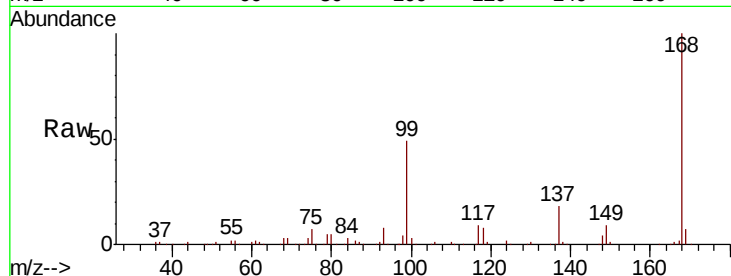
RE-126D2-20181008DL

Tot Ion:168 Resp: 273580

Ion Ratio Lower Upper

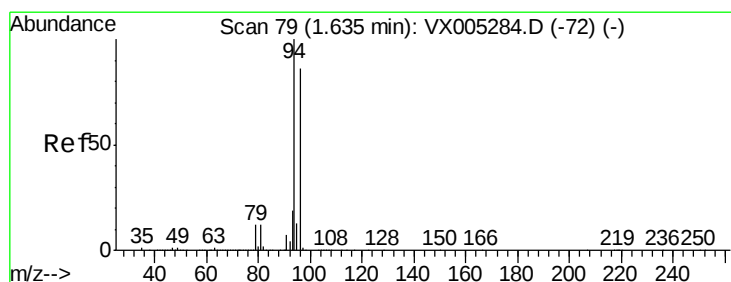
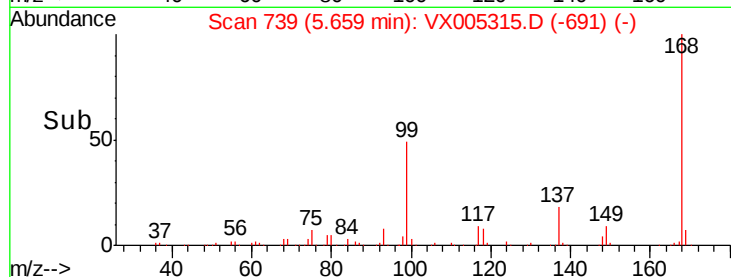
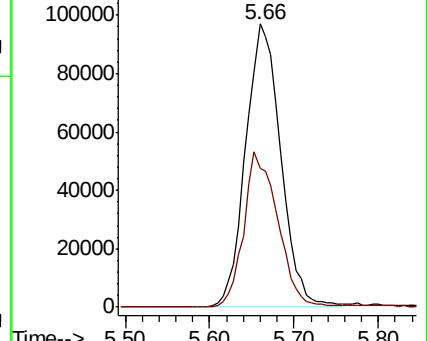
168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.899 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005315.D

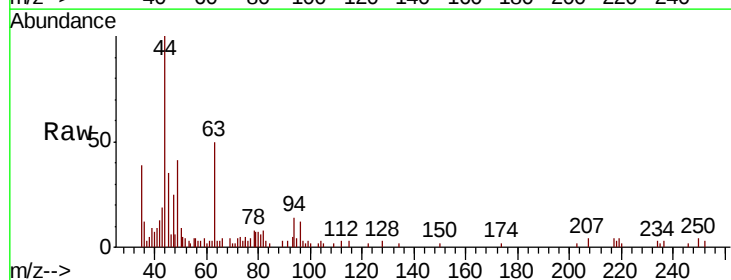
Acq: 13 Oct 2018 01:51

Tgt Ion: 94 Resp: 564

Ion Ratio Lower Upper

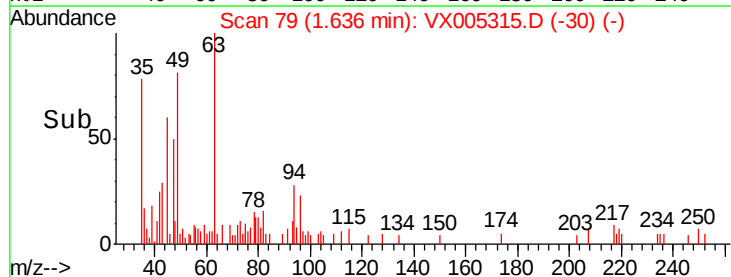
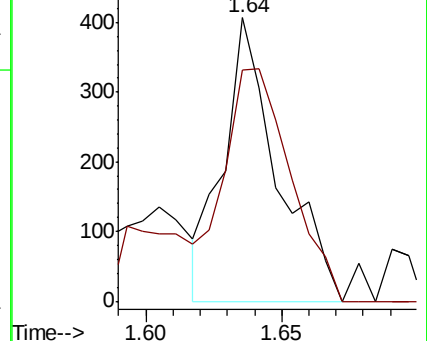
94 100

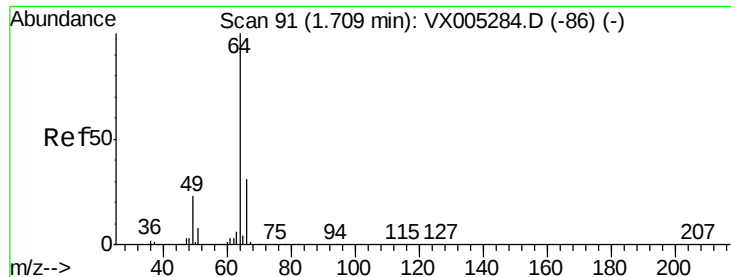
96 81.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.395 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

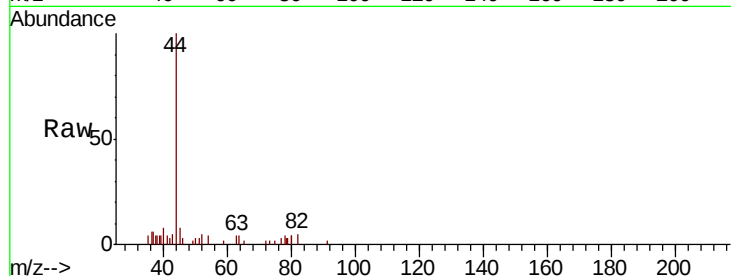
RE-126D2-20181008DL

Tot Ion: 64 Resp: 124

Ion Ratio Lower Upper

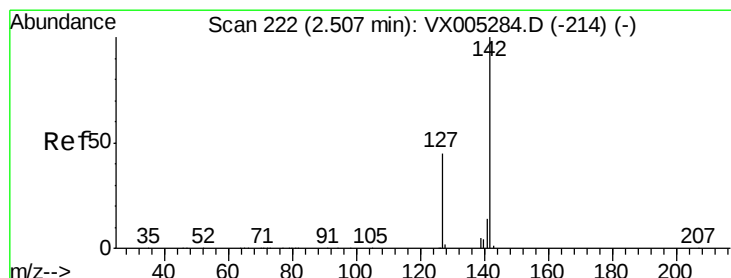
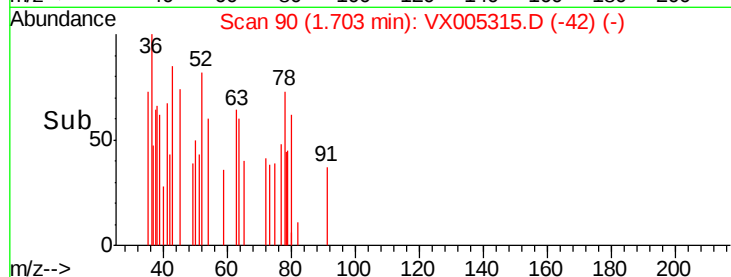
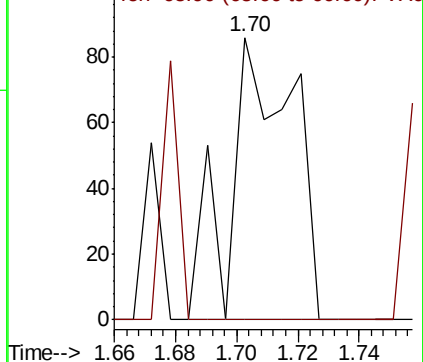
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.640 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

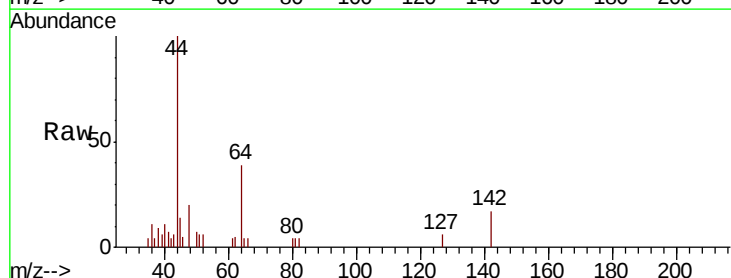
Tgt Ion: 142 Resp: 423

Ion Ratio Lower Upper

142 100

127 36.2 33.8 50.6

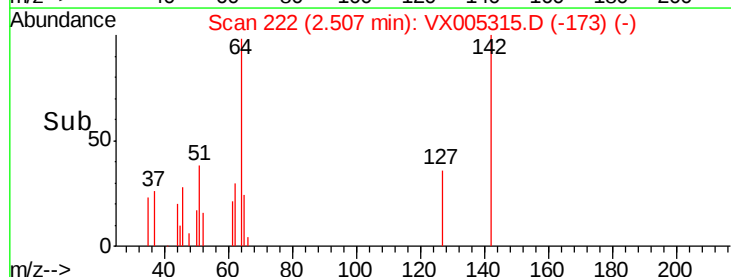
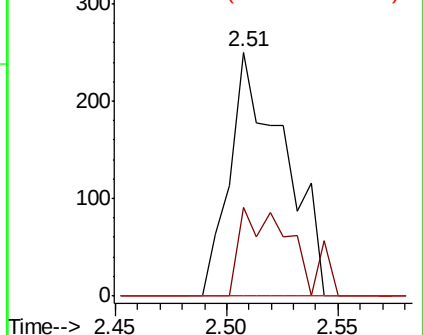
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



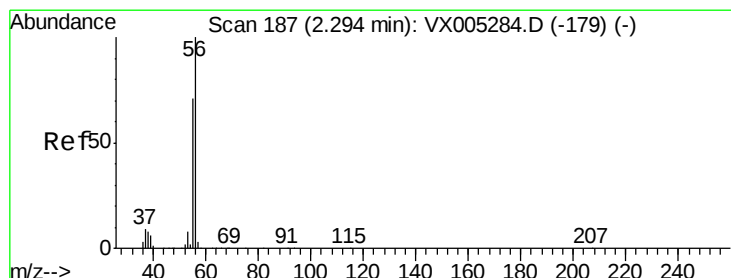
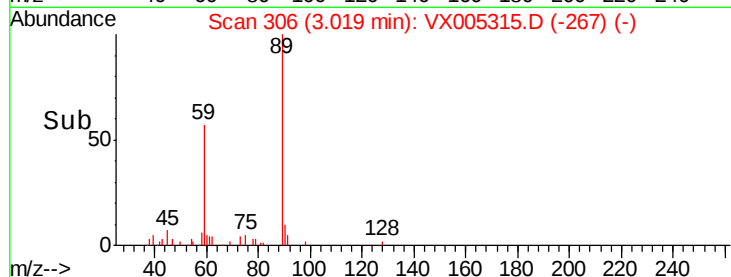
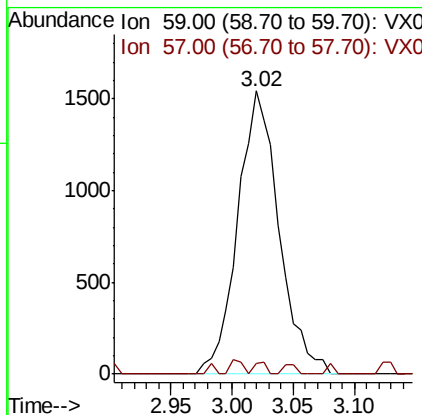
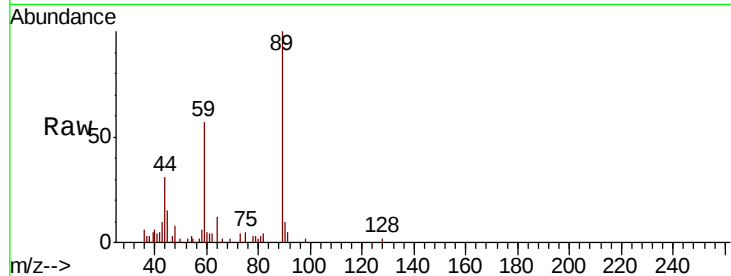


#11

Tert butyl alcohol
 Concen: 4.225 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005315.D
 Acq: 13 Oct 2018 01:51

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D2-20181008DL

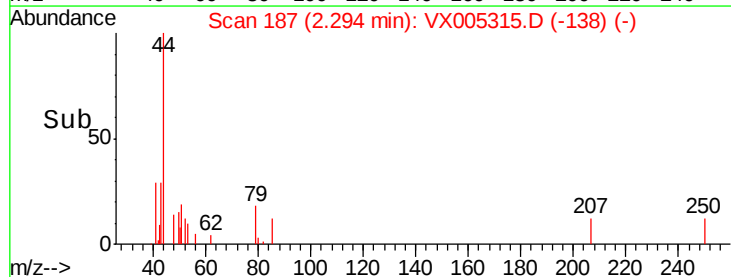
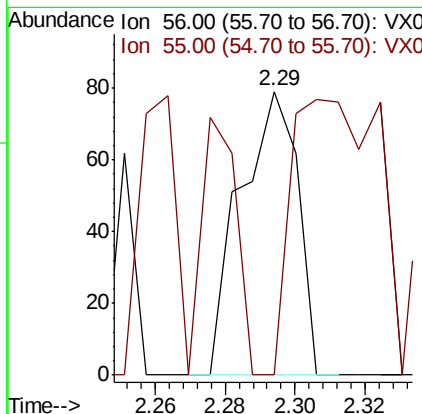
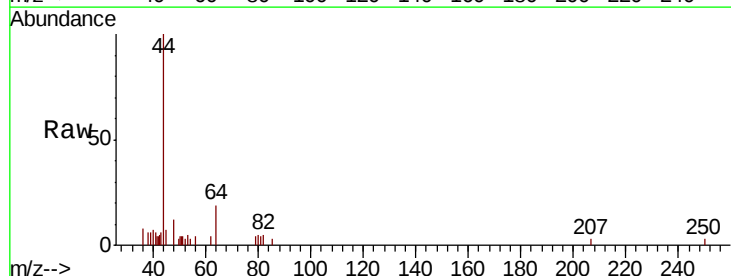
Tot Ion: 59 Resp: 3619
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.4#

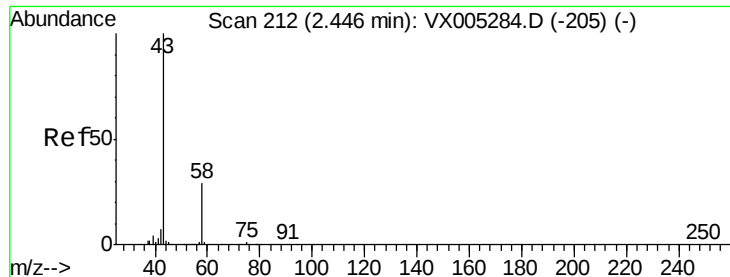


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005315.D
 Acq: 13 Oct 2018 01:51

Tgt Ion: 56 Resp: 90
 Ion Ratio Lower Upper
 56 100
 55 148.9 54.7 82.1#





#16

Acetone

Concen: 0.876 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

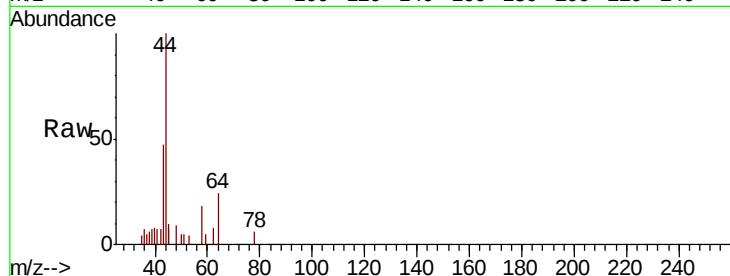
RE-126D2-20181008DL

Tot Ion: 43 Resp: 1538

Ion Ratio Lower Upper

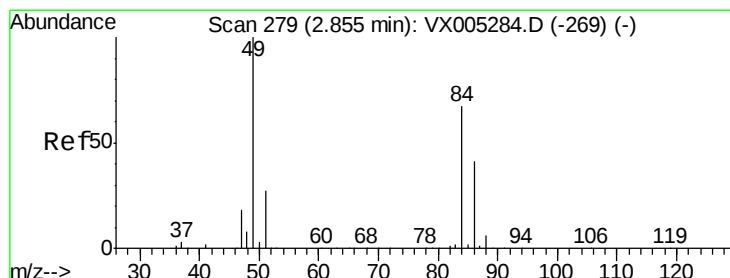
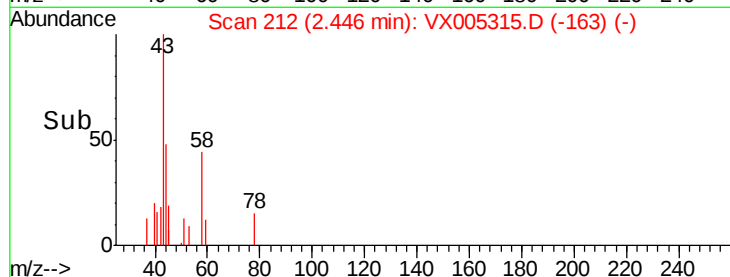
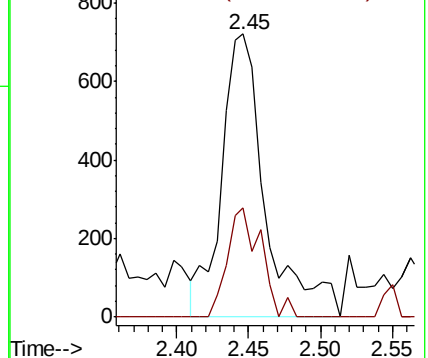
43 100

58 38.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Tgt Ion: 84 Resp: 2157

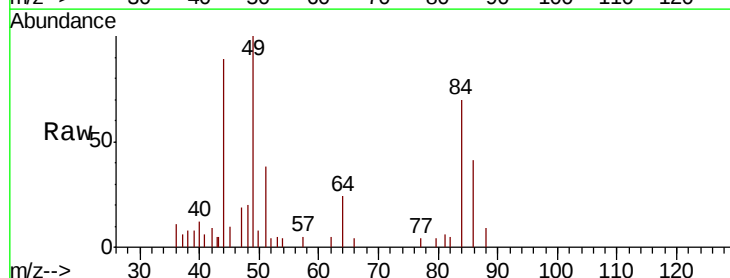
Ion Ratio Lower Upper

84 100

49 143.1 101.2 151.8

51 54.2 29.5 44.3#

86 58.7 52.3 78.5

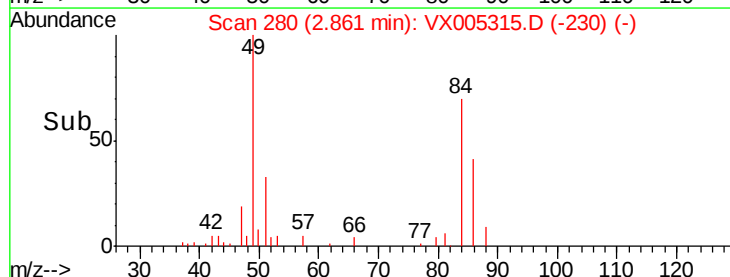
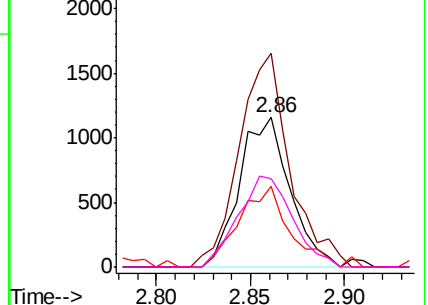


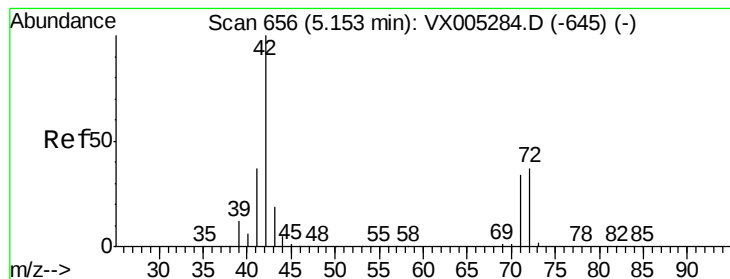
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.367 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

RE-126D2-20181008DL

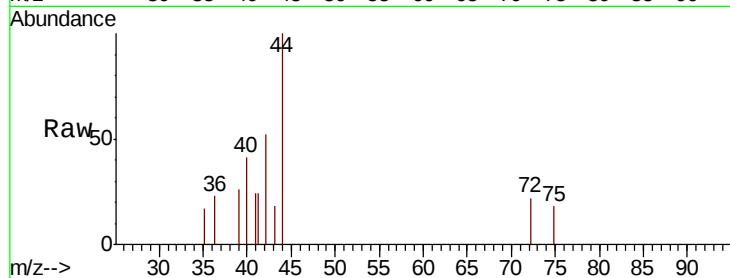
Tot Ion: 42 Resp: 601

Ion Ratio Lower Upper

42 100

72 17.1 37.4 56.0#

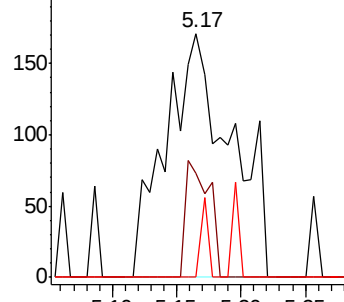
71 3.3 34.5 51.7#



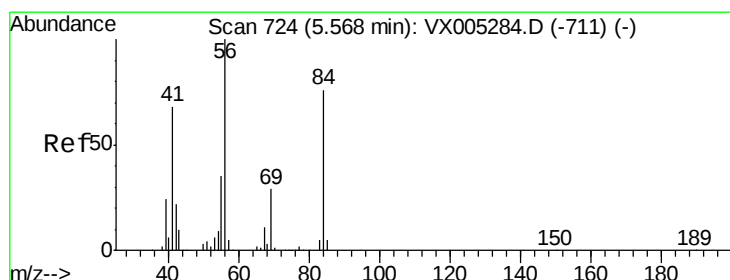
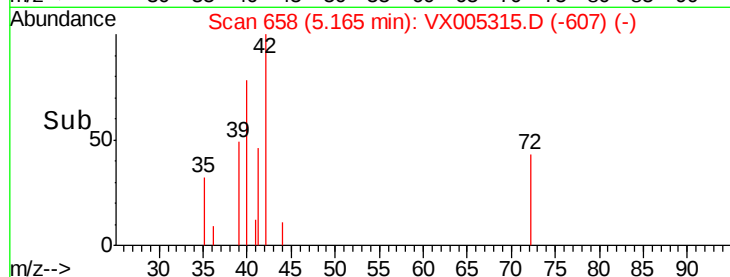
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

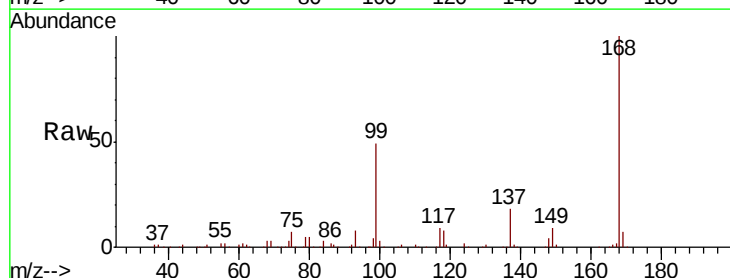
Tgt Ion: 56 Resp: 4688

Ion Ratio Lower Upper

56 100

69 201.2 25.4 38.2#

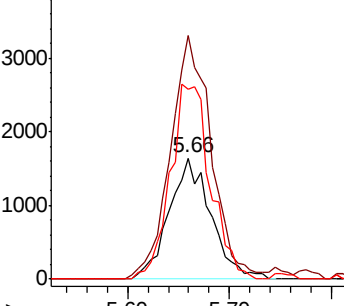
84 156.4 71.4 107.2#



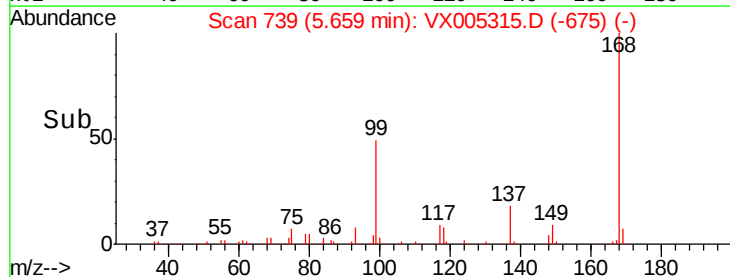
Abundance Ion 56.00 (55.70 to 56.70): VX0

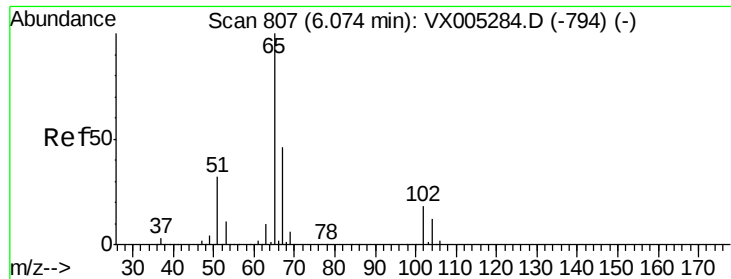
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.688 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

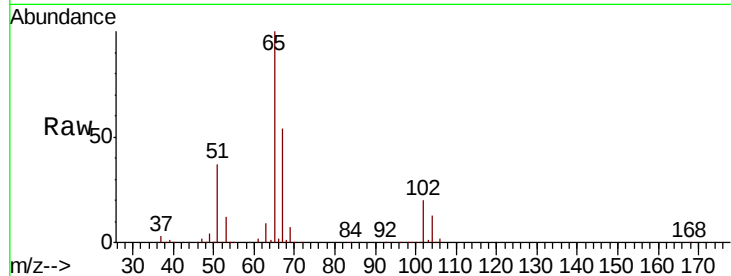
RE-126D2-20181008DL

Tot Ion: 65 Resp: 159977

Ion Ratio Lower Upper

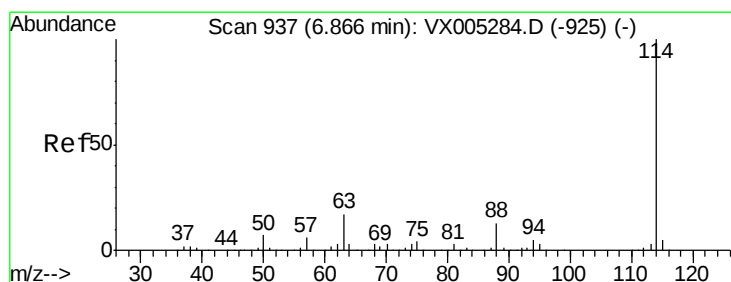
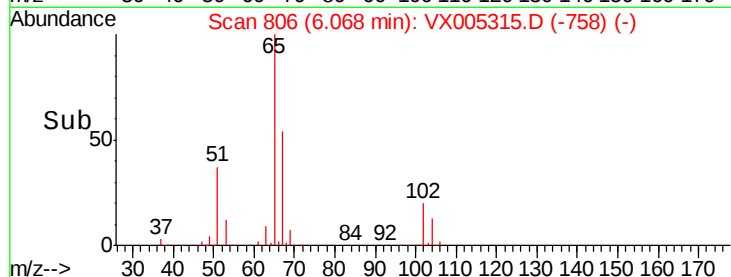
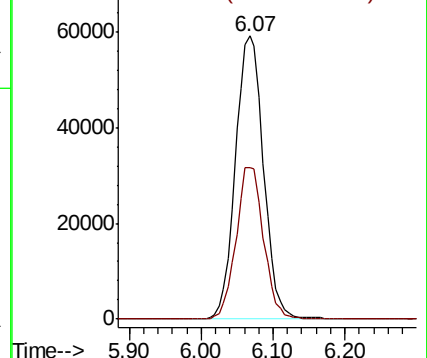
65 100

67 52.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

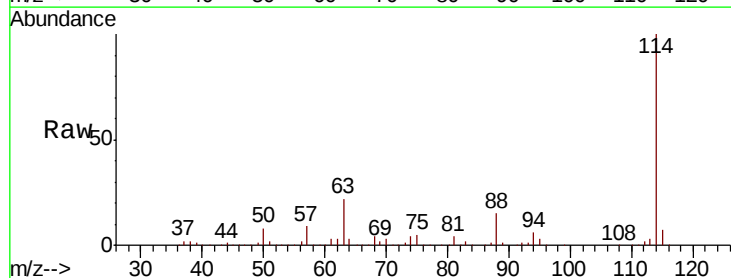
Tgt Ion: 114 Resp: 380954

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.0

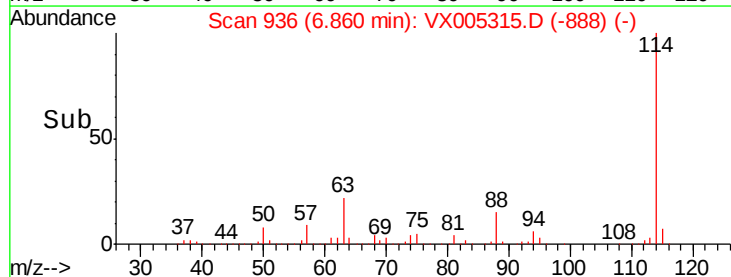
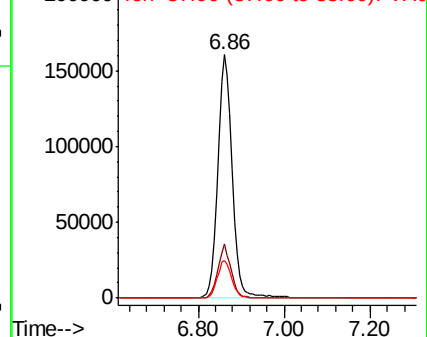
88 15.5 0.0 30.4

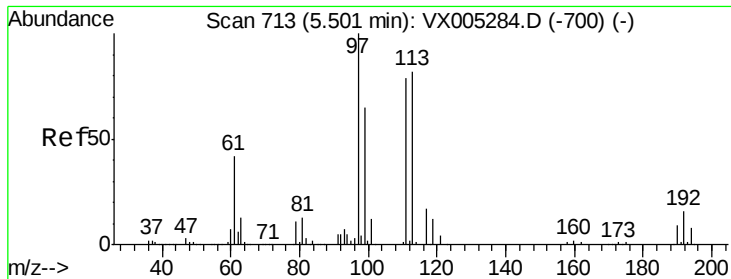


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.832 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

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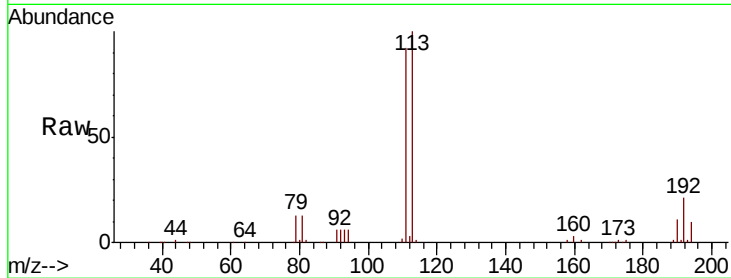
Tot Ion:113 Resp: 130780

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

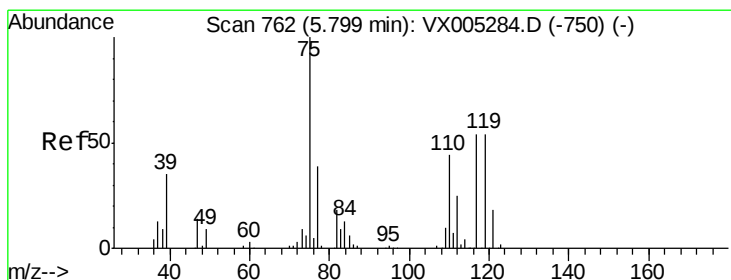
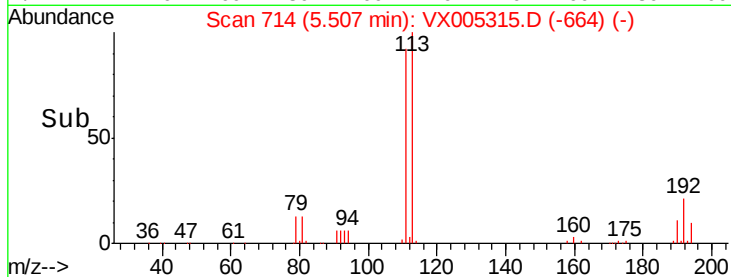
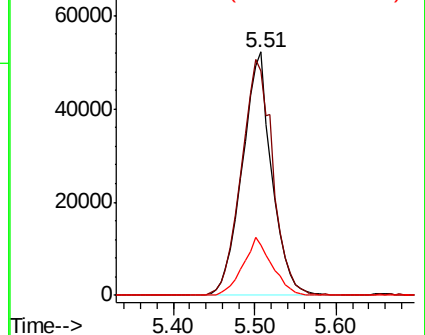
192 23.5 19.4 29.2



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: 4.836 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

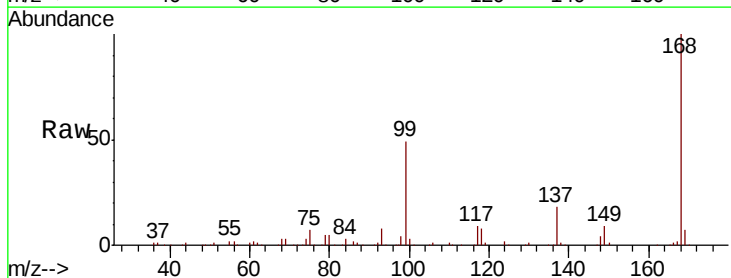
Tgt Ion: 75 Resp: 17842

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

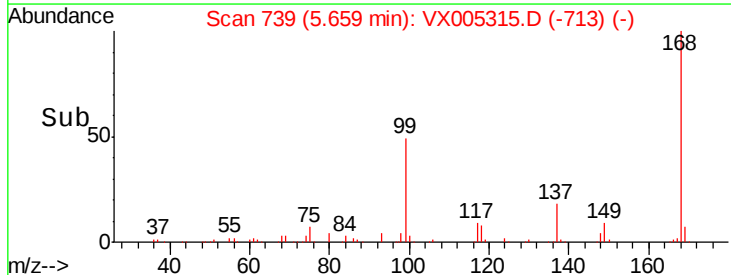
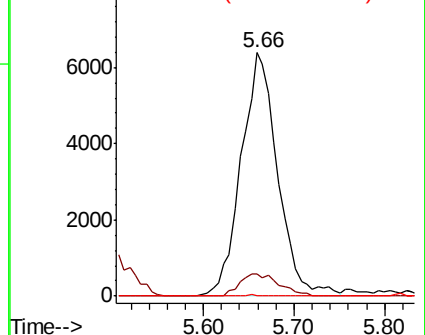
77 0.1 24.6 36.8#

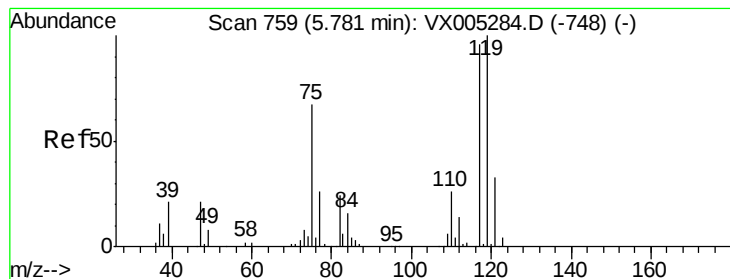


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.749 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

RE-126D2-20181008DL

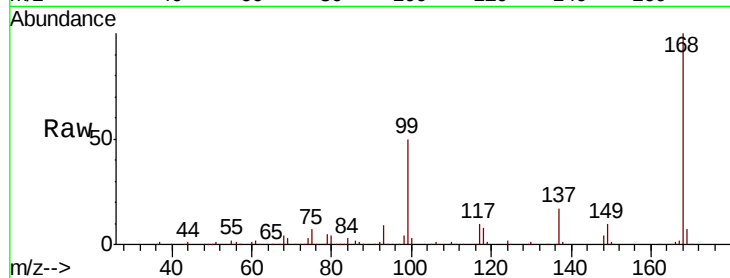
Tot Ion:117 Resp: 25018

Ion Ratio Lower Upper

117 100

119 5.0 78.8 118.2#

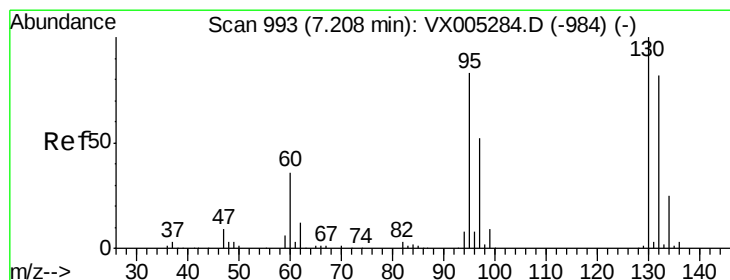
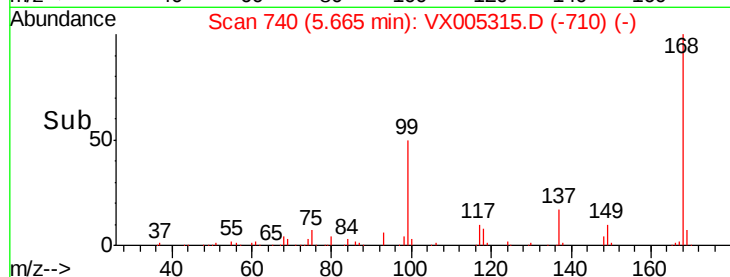
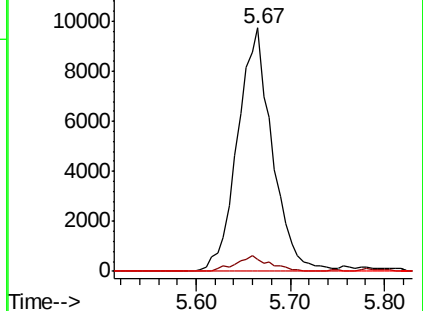
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 39.647 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005315.D

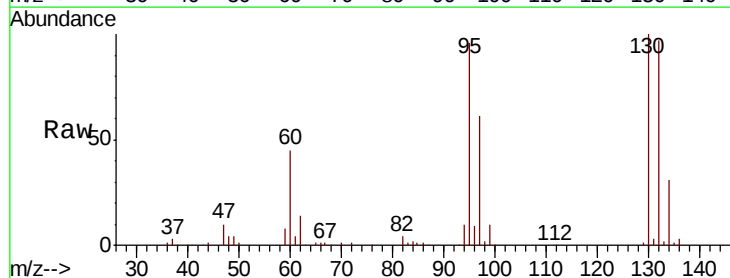
Acq: 13 Oct 2018 01:51

Tgt Ion:130 Resp: 112405

Ion Ratio Lower Upper

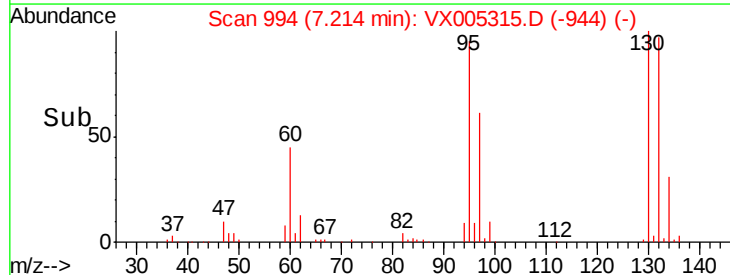
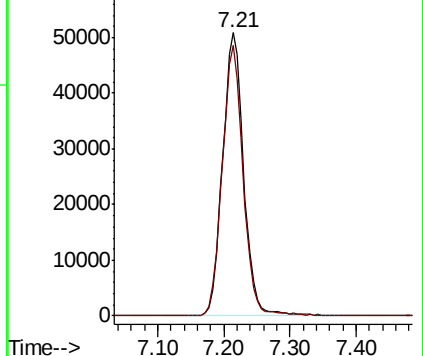
130 100

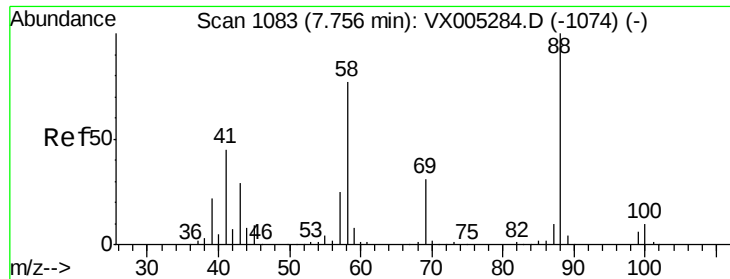
95 95.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

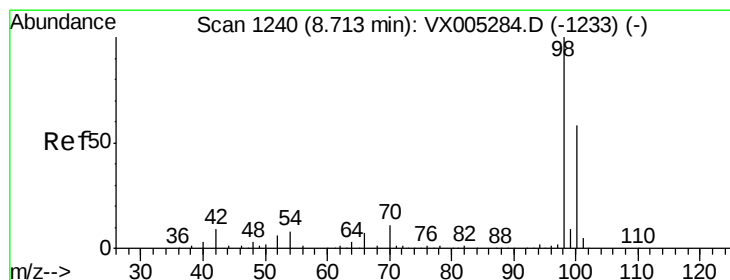
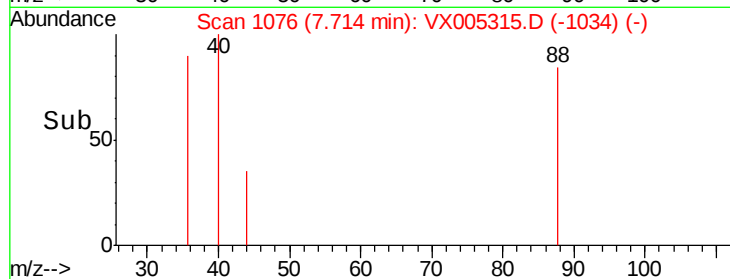
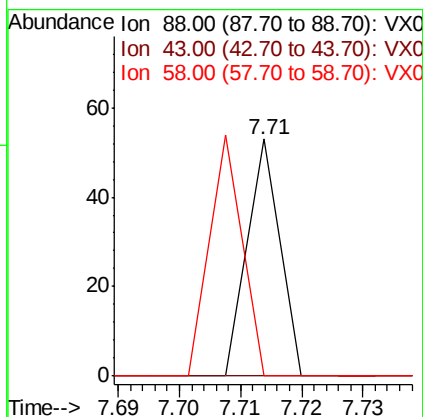
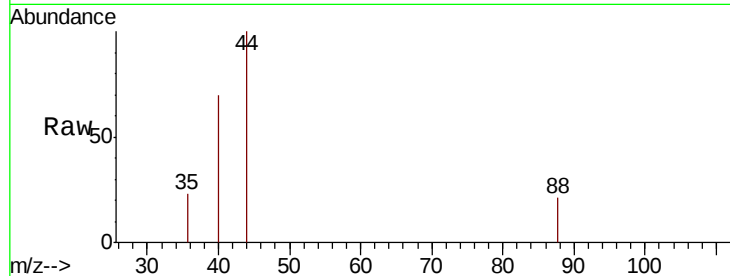




#49
 1,4-Dioxane
 Concen: 0.251 ug/l
 RT: 7.71 min Scan# 1076
 Delta R.T. -0.04 min
 Lab File: VX005315.D
 Acq: 13 Oct 2018 01:51

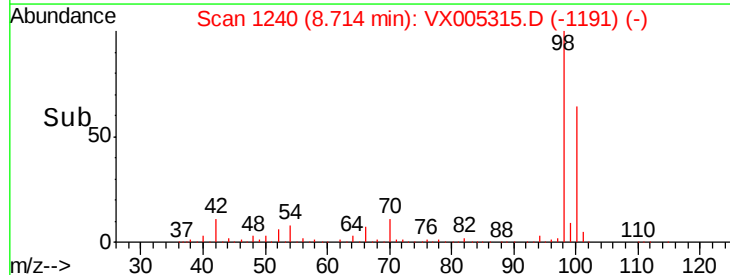
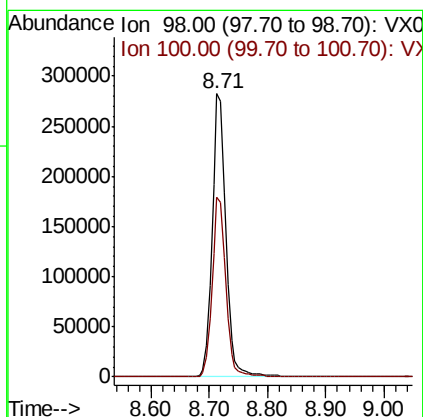
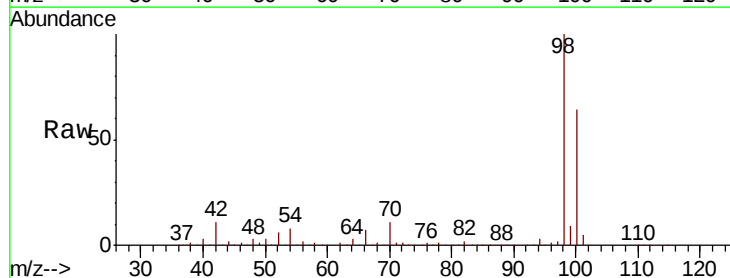
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-126D2-20181008DL

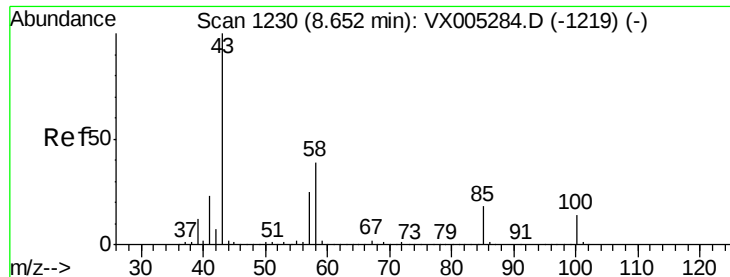
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.7 37.1#
 58 105.3 55.3 82.9#



#50
 Toluene-d8
 Concen: 53.170 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005315.D
 Acq: 13 Oct 2018 01:51

Tgt Ion: 98 Resp: 460564
 Ion Ratio Lower Upper
 98 100
 100 63.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.451 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

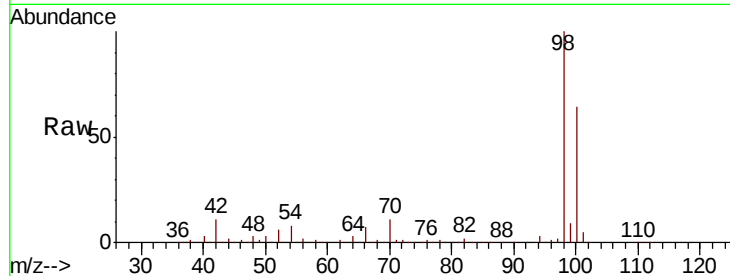
RE-126D2-20181008DL

Tot Ion: 43 Resp: 1973

Ion Ratio Lower Upper

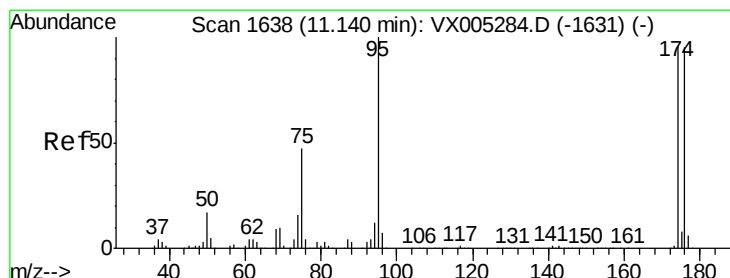
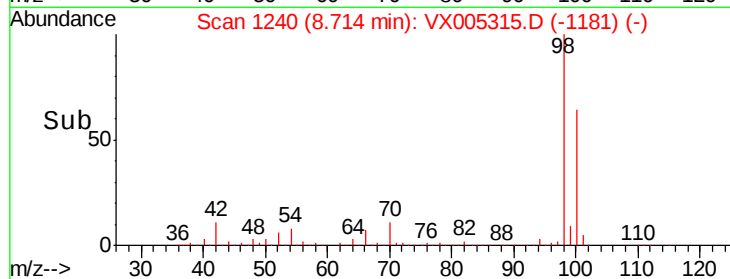
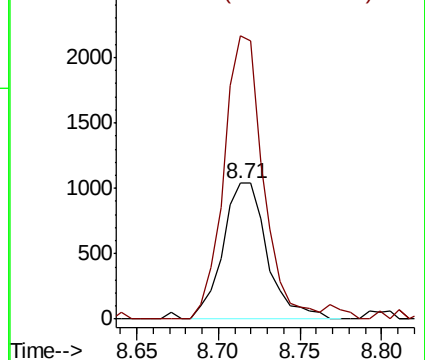
43 100

58 184.9 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.341 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

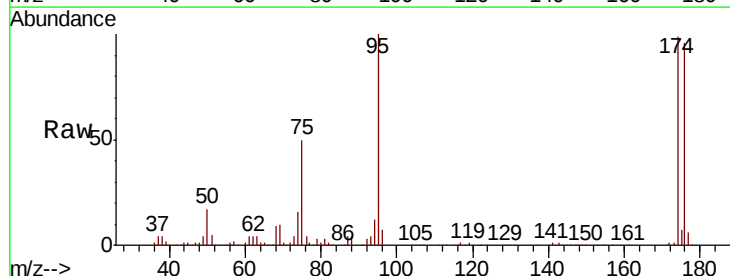
Tgt Ion: 95 Resp: 150796

Ion Ratio Lower Upper

95 100

174 96.0 0.0 185.2

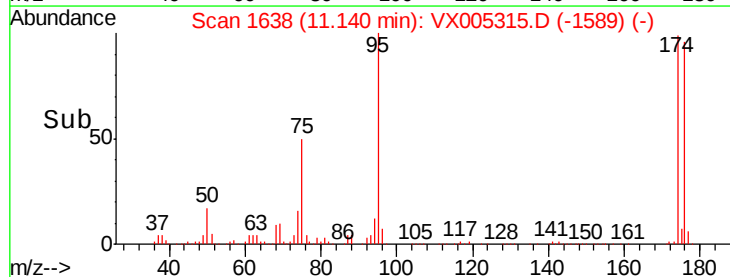
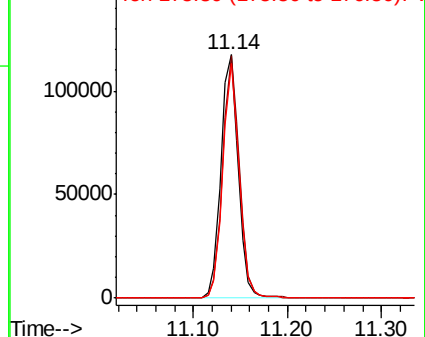
176 91.6 0.0 178.6

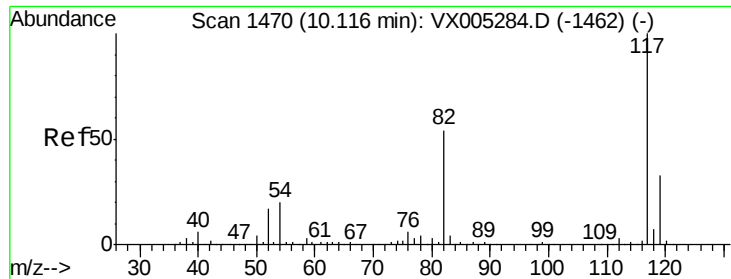


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

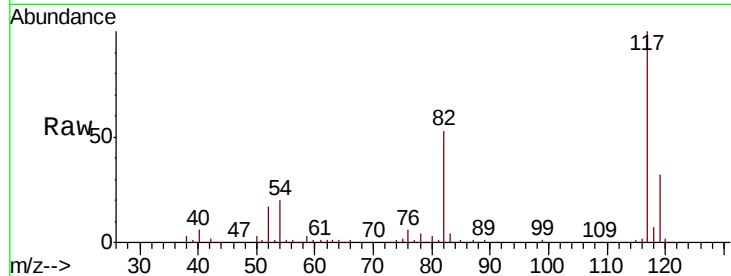




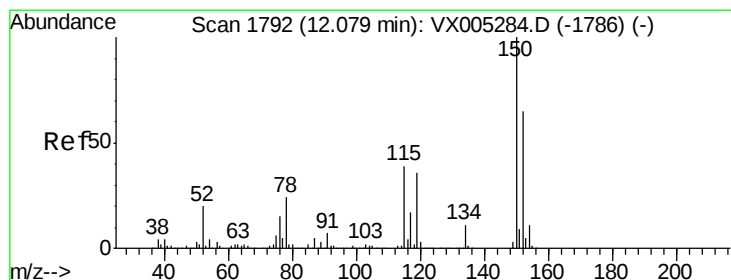
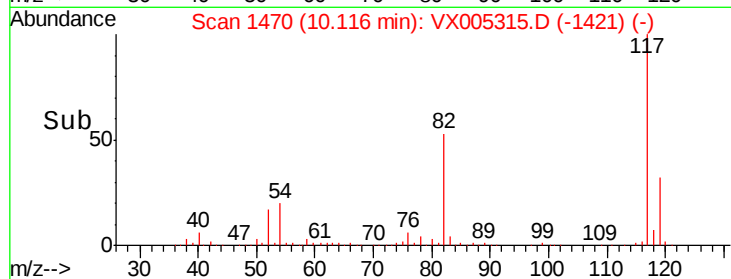
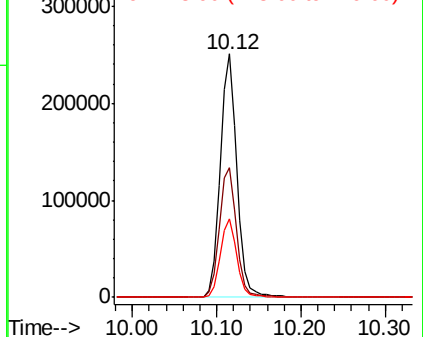
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005315.D
Acq: 13 Oct 2018 01:51

Instrument :
MSVOA_X
ClientSampleId :
RE-126D2-20181008DL

Tot Ion:117 Resp: 344425
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.1 29.3 43.9

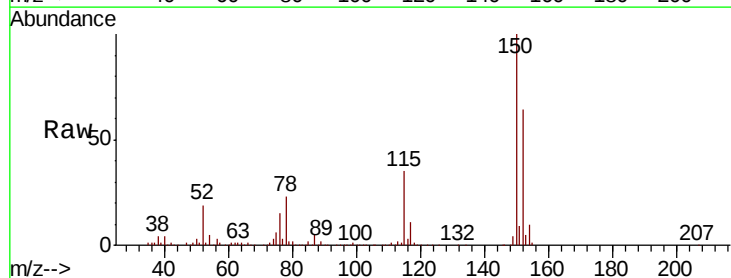


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

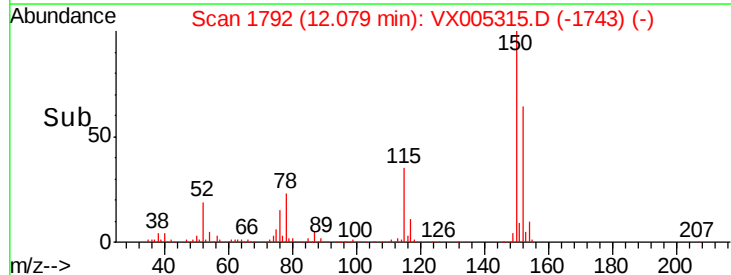
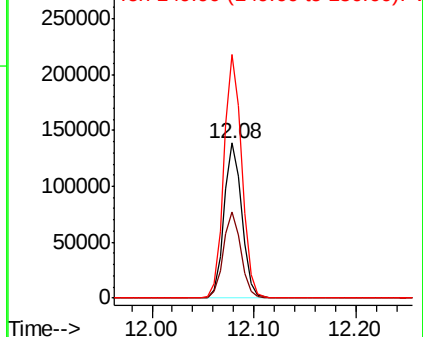


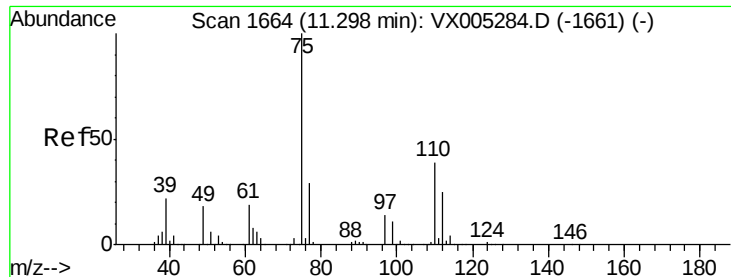
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005315.D
Acq: 13 Oct 2018 01:51

Tgt Ion:152 Resp: 168013
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 157.8 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 22.859 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Instrument :

MSVOA_X

ClientSampleId :

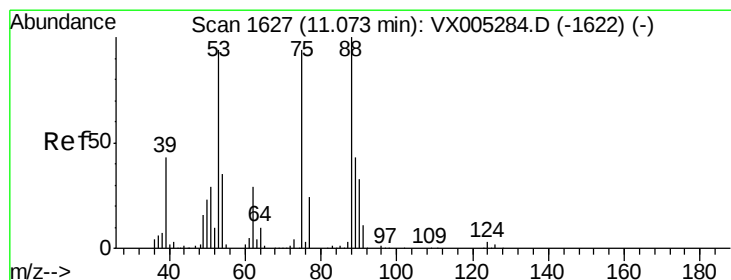
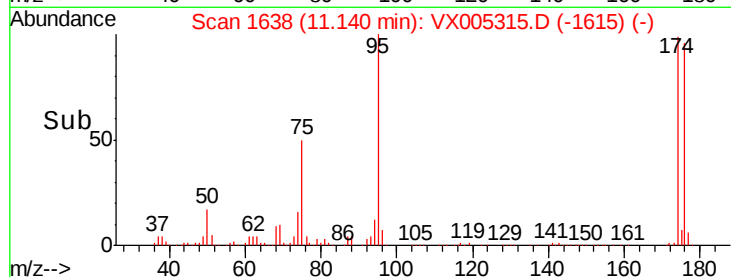
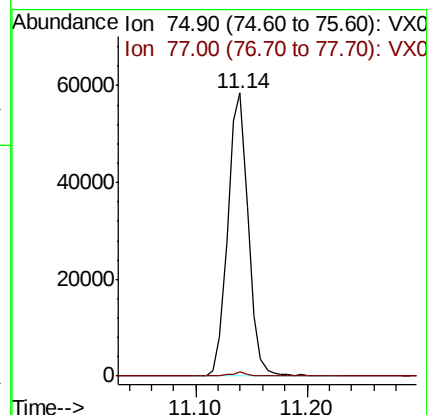
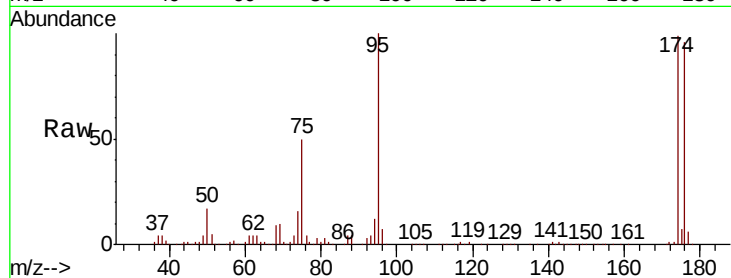
RE-126D2-20181008DL

Tot Ion: 75 Resp: 74497

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.457 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005315.D

Acq: 13 Oct 2018 01:51

Tgt Ion: 75 Resp: 74497

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.0 37.2 55.8#

