

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005325.D
 Acq On : 13 Oct 2018 06:17
 Operator : JC/MD
 Sample : J5481-01 10X
 Misc : 5.73q/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-WS-EP-COMP1DL

Quant Time: Oct 15 00:54:56 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	267292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369769	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196076	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	152784	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.49	113	130079	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	8.71	98	454788	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
62) 4-Bromofluorobenzene	11.14	95	187081	59.23	ug/l	0.00
Spiked Amount			Recovery	=	118.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	685	0.226	ug/l #	84
5) Bromomethane	1.64	94	1010	1.160	ug/l	91
6) Chloroethane	1.70	64	271	0.470	ug/l	89
10) Methyl Iodide	2.51	142	1282	2.959	ug/l	98
11) Tert butyl alcohol	3.02	59	4951	5.916	ug/l #	76
13) Acrolein	2.28	56	158	Below Cal	#	1
15) Acrylonitrile	3.15	53	1092	0.576	ug/l #	74
16) Acetone	2.45	43	1631	0.951	ug/l #	75
17) Carbon Disulfide	2.56	76	3271	0.461	ug/l #	84
18) Methyl Acetate	2.78	43	7947	1.629	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	766	0.295	ug/l #	60
25) 2-Butanone	4.71	43	1334	0.532	ug/l #	47
29) Tetrahydrofuran	5.17	42	856	0.535	ug/l #	51
36) 1,1-Dichloropropene	5.66	75	18151	5.068	ug/l #	50
38) Carbon Tetrachloride	5.65	117	23848	6.628	ug/l #	16
44) Trichloroethene	7.21	130	571	Below Cal		68
49) 1,4-Dioxane	7.76	88	47	0.640	ug/l #	60
55) 1,1,2-Trichloroethane	9.16	97	8180	3.286	ug/l #	19
56) Ethyl methacrylate	9.16	69	2028	0.559	ug/l #	1
59) 2-Hexanone	9.45	43	56667	16.584	ug/l #	27
61) 1,2-Dibromoethane	9.68	107	784	0.300	ug/l #	1
68) m/p-Xylenes	10.37	106	1294	0.265	ug/l #	1
73) Isopropylbenzene	11.02	105	154862	13.286	ug/l	100
74) N-ethyl acetate	10.91	43	174192	30.984	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	122358	27.827	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	88631	23.304	ug/l #	41
78) n-propylbenzene	11.36	91	427971	31.907	ug/l	98
79) 2-Chlorotoluene	11.36	91	427971	52.098	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	2725	0.273	ug/l #	27
81) trans-1,4-Dichloro-2-buten	11.14	75	88631	70.808	ug/l #	13
82) 4-Chlorotoluene	11.36	91	427971	43.949	ug/l #	44
83) tert-Butylbenzene	11.77	119	43532	4.307	ug/l	79
84) 1,2,4-Trimethylbenzene	11.81	105	65757	6.402	ug/l	96
85) sec-Butylbenzene	11.94	105	346495	28.966	ug/l #	76

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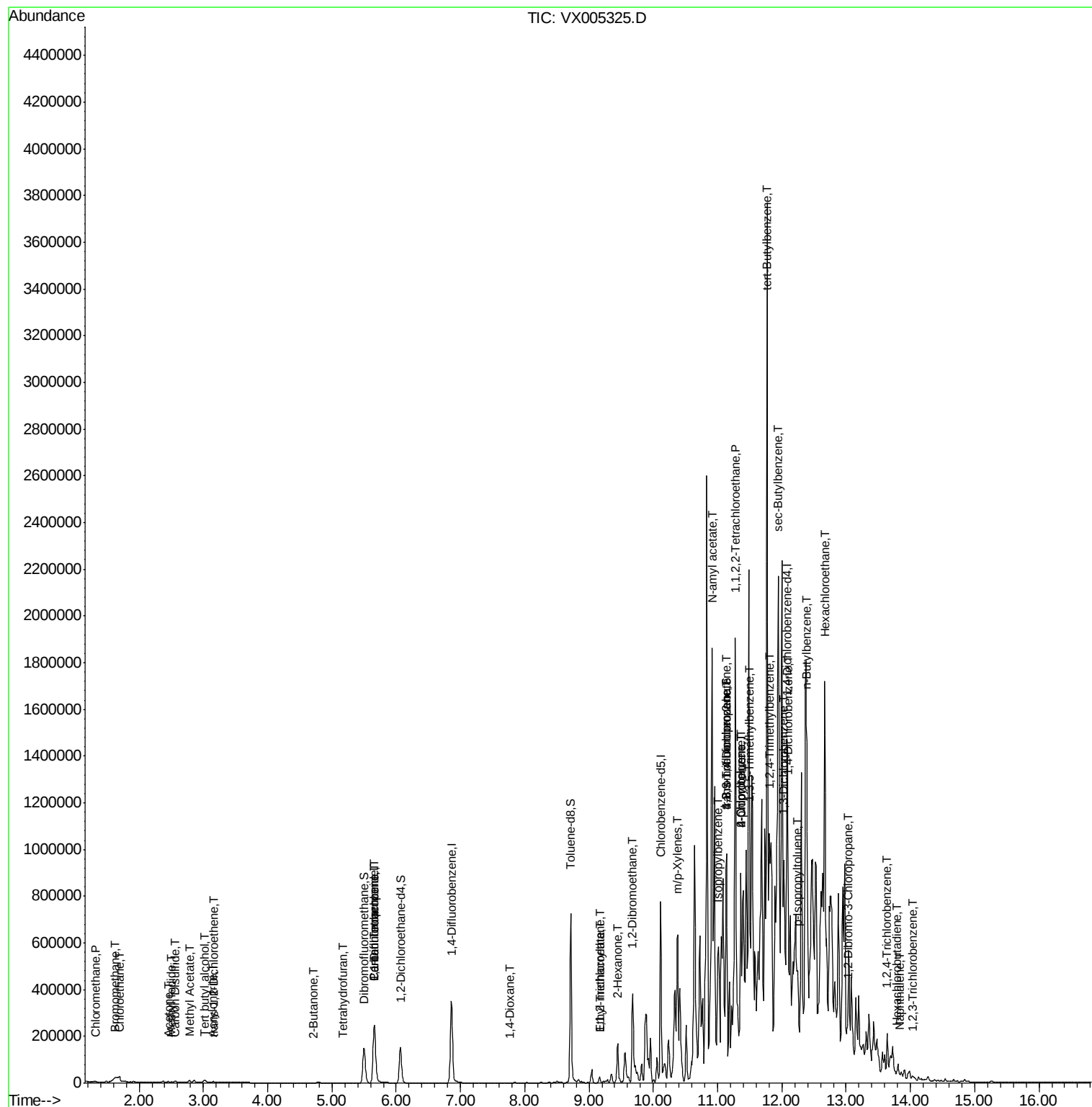
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.24	119	72098	6.669	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	1278	0.205	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	1739	0.273	ug/l #	1
89) n-Butylbenzene	12.39	91	346361	35.283	ug/l	88
90) Hexachloroethane	12.67	117	57810	31.026	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	370	0.345	ug/l #	44
93) 1,2,4-Trichlorobenzene	13.65	180	2320	0.498	ug/l #	1
94) Hexachlorobutadiene	13.79	225	892	0.362	ug/l	86
95) Naphthalene	13.83	128	4814	0.356	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.02	180	1734	0.363	ug/l #	9

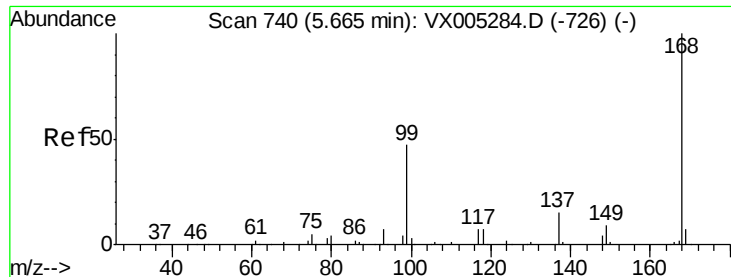
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101218\
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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: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

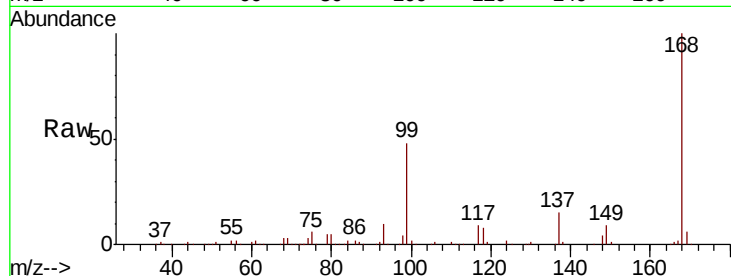
EP1-WS-EP-COMP1DL

Tot Ion:168 Resp: 267292

Ion Ratio Lower Upper

168 100

99 47.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

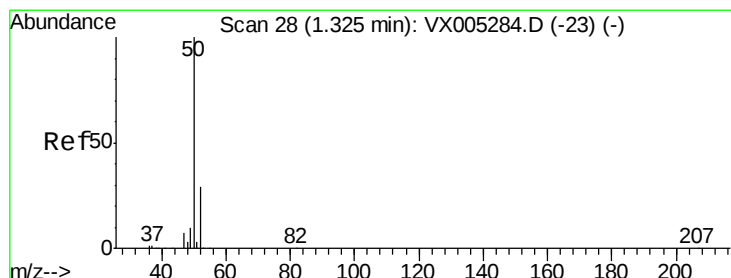
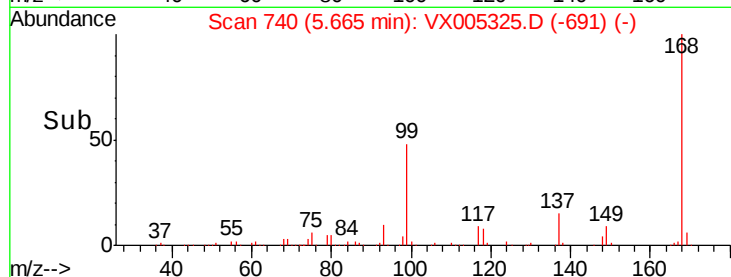
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005325.D

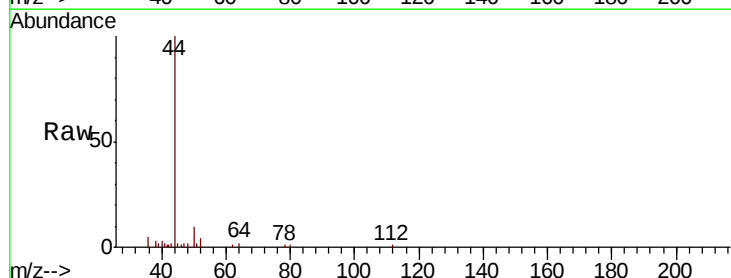
Acq: 13 Oct 2018 06:17

Tgt Ion: 50 Resp: 685

Ion Ratio Lower Upper

50 100

52 41.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

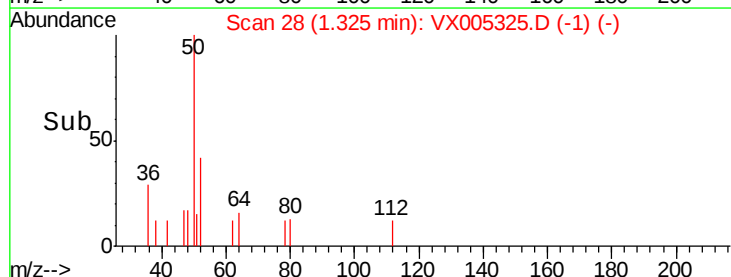
200

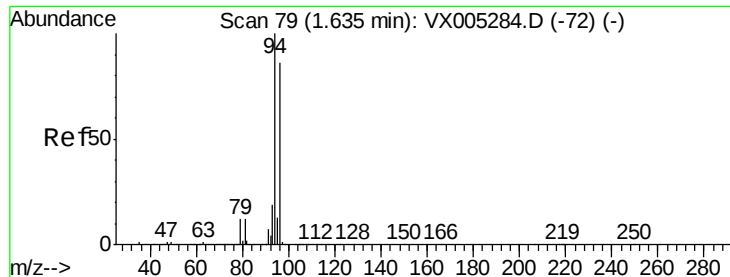
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 1.160 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

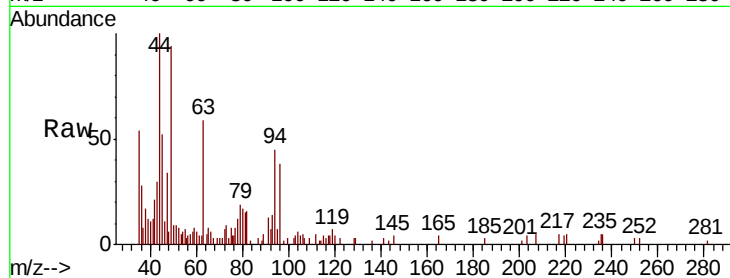
EP1-WS-EP-COMP1DL

Tot Ion: 94 Resp: 1010

Ion Ratio Lower Upper

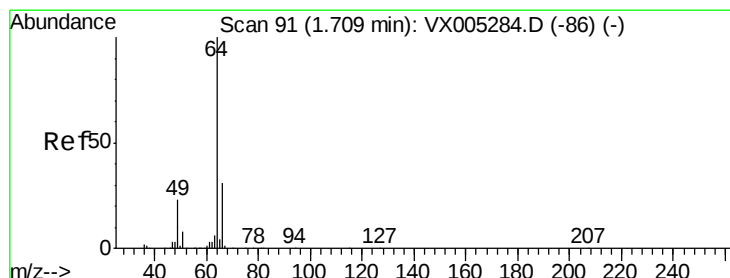
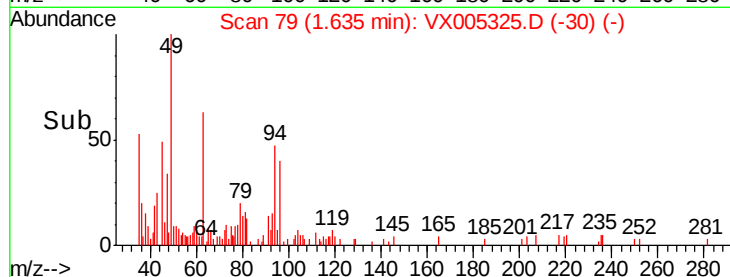
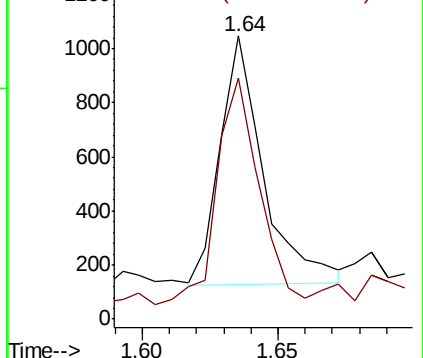
94 100

96 84.8 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: 0.470 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005325.D

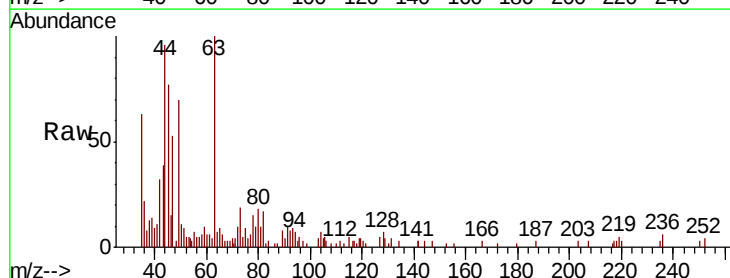
Acq: 13 Oct 2018 06:17

Tgt Ion: 64 Resp: 271

Ion Ratio Lower Upper

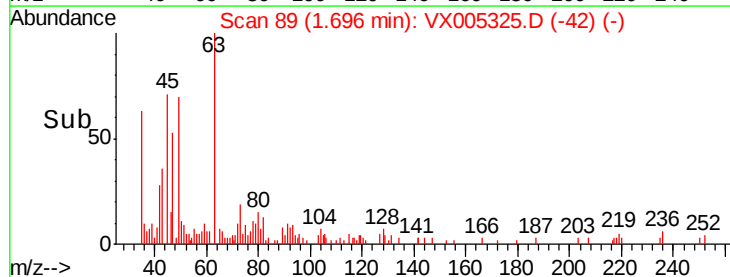
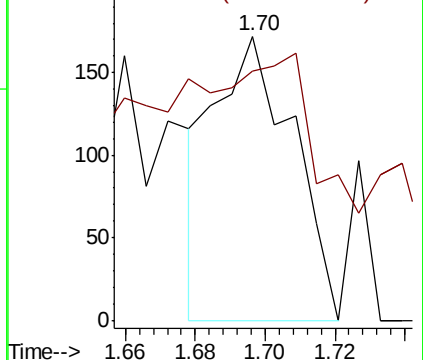
64 100

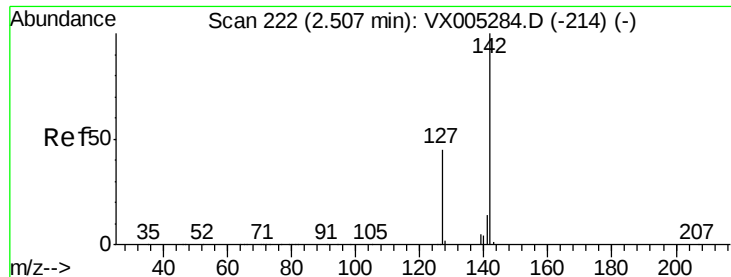
66 36.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

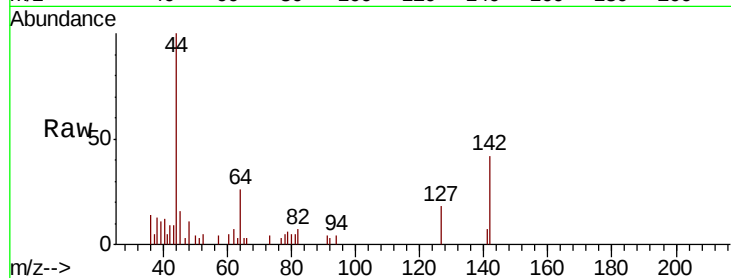




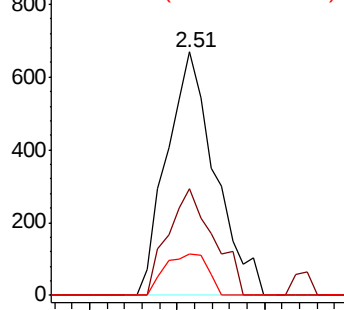
#10
Methvl Iodide
Concen: 2.959 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

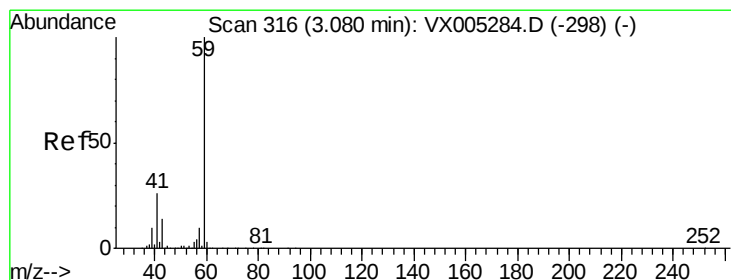
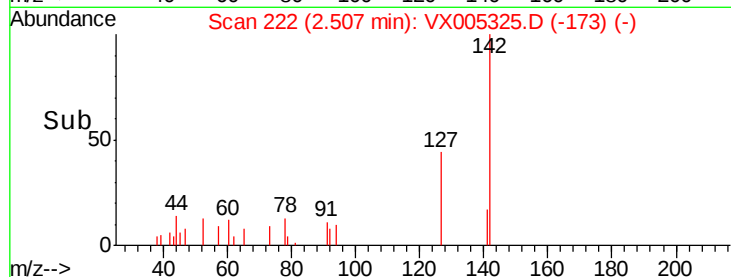
Tot Ion:142 Resp: 1282
Ion Ratio Lower Upper
142 100
127 41.3 33.8 50.6
141 15.1 11.4 17.0



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

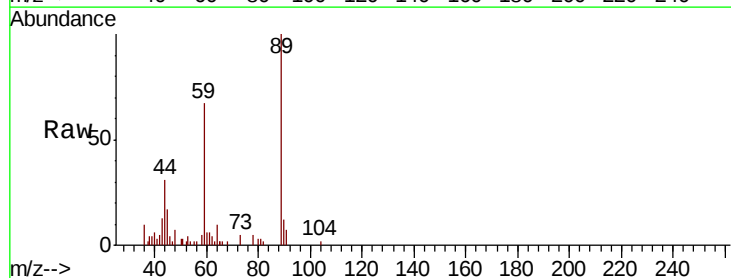


Time-->

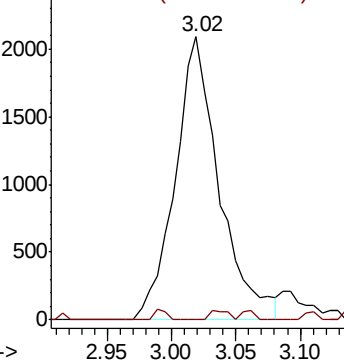


#11
Tert butyl alcohol
Concen: 5.916 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

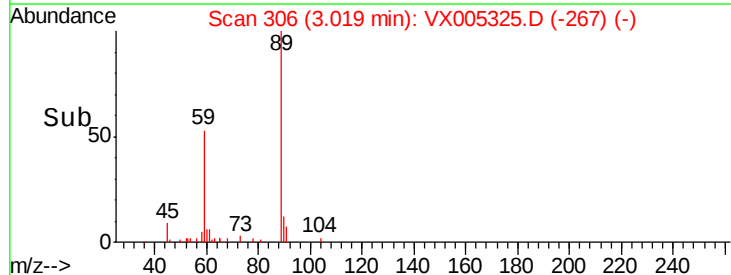
Tgt Ion: 59 Resp: 4951
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.4#

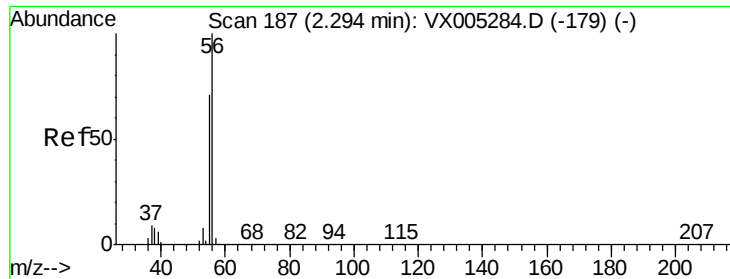


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

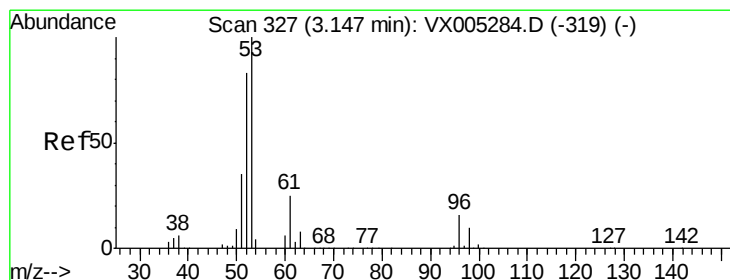
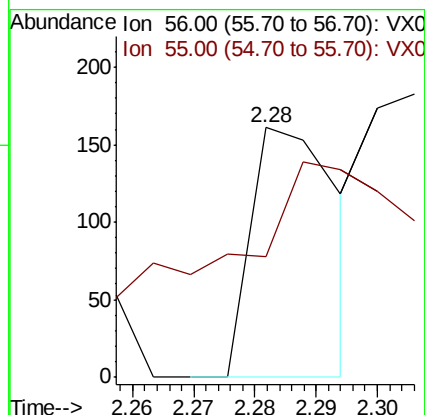
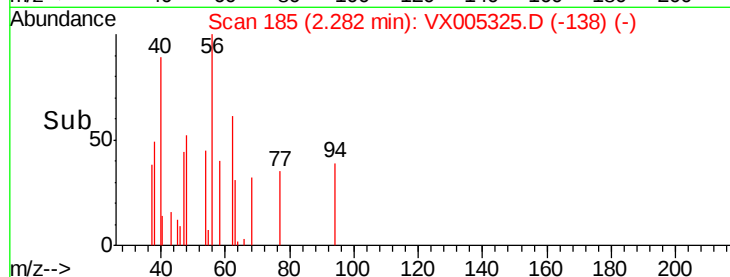
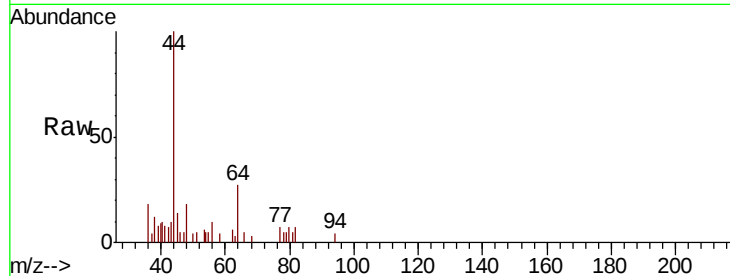
EP1-WS-EP-COMP1DL

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 167.7 54.7 82.1#



#15

Acrylonitrile

Concen: 0.576 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

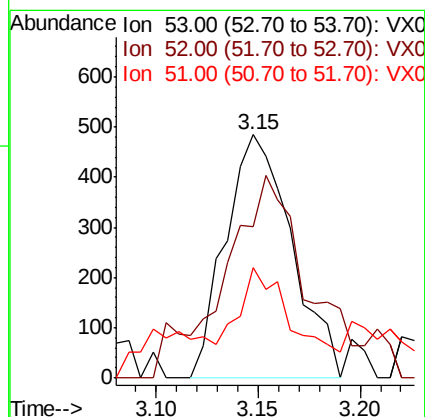
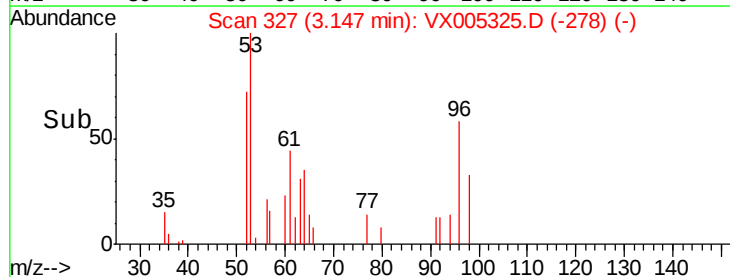
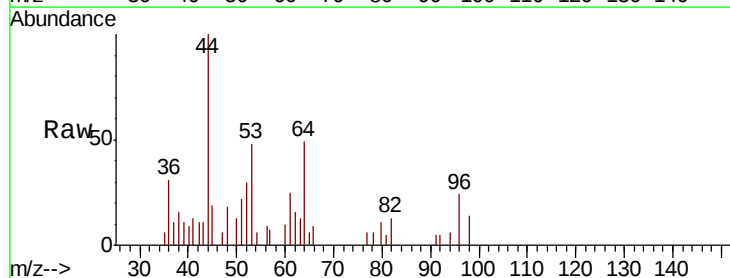
Tgt Ion: 53 Resp: 1092

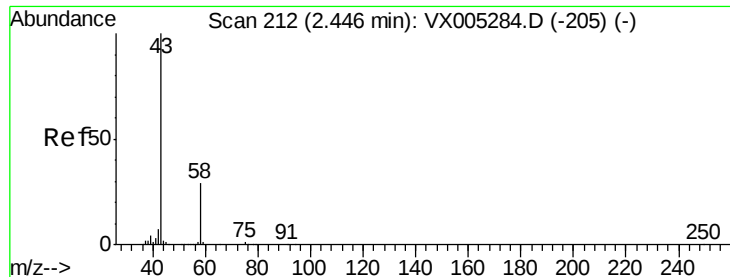
Ion Ratio Lower Upper

53 100

52 111.8 65.2 97.8#

51 40.0 28.2 42.2





#16

Acetone

Concen: 0.951 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

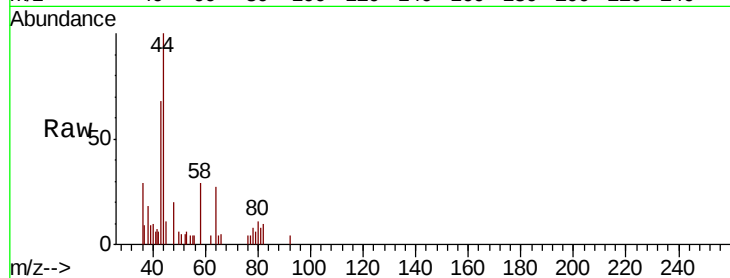
EP1-WS-EP-COMP1DL

Tot Ion: 43 Resp: 1631

Ion Ratio Lower Upper

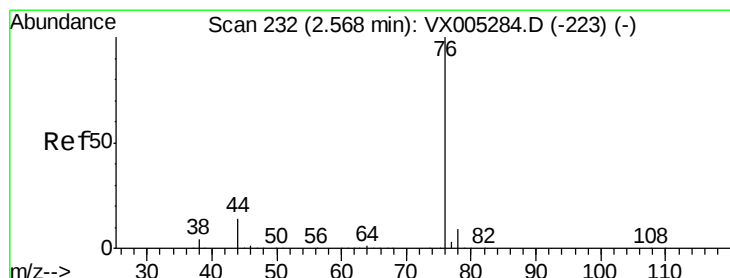
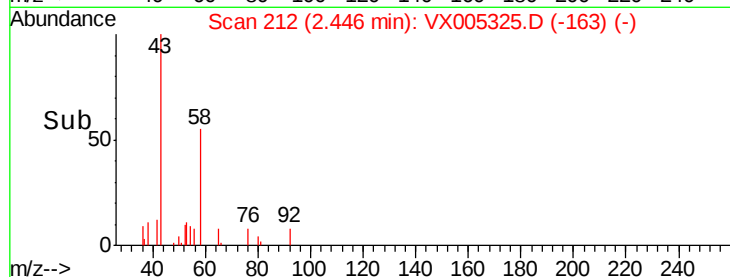
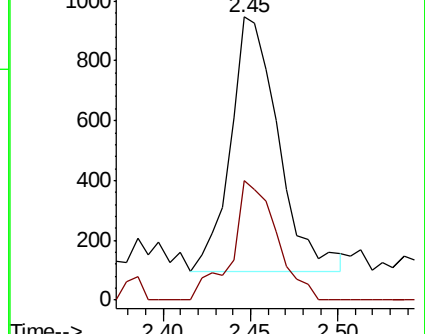
43 100

58 46.8 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005325.D

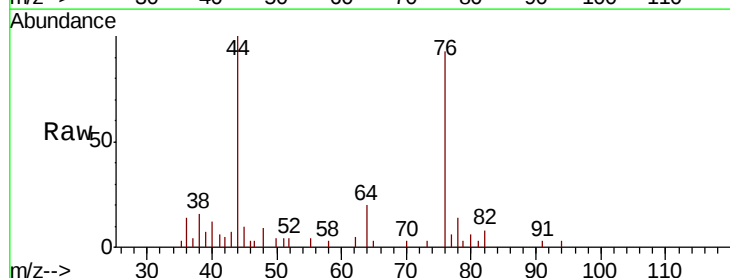
Acq: 13 Oct 2018 06:17

Tgt Ion: 76 Resp: 3271

Ion Ratio Lower Upper

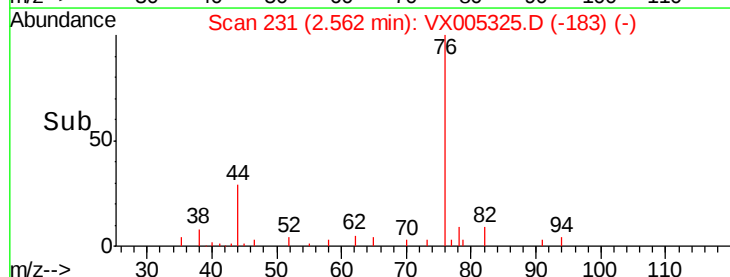
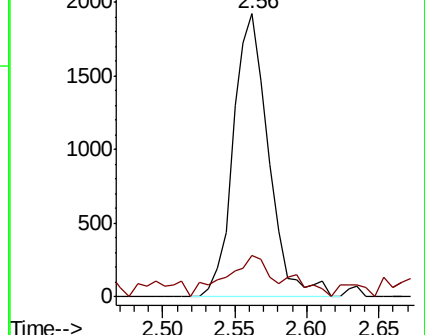
76 100

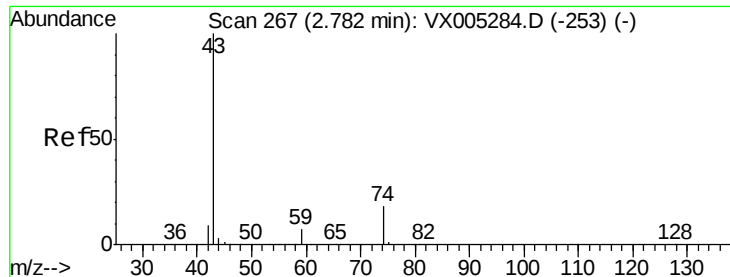
78 14.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 1.629 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

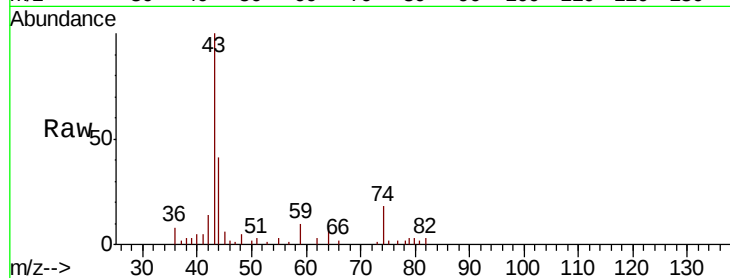
EP1-WS-EP-COMP1DL

Tot Ion: 43 Resp: 7947

Ion Ratio Lower Upper

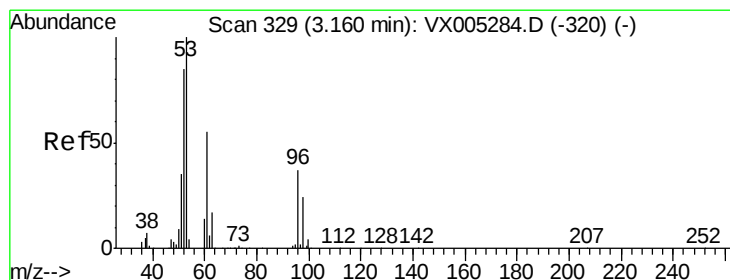
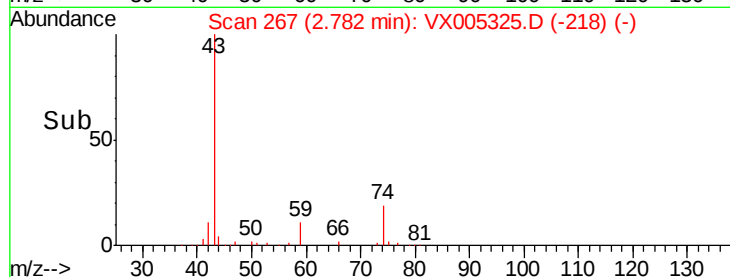
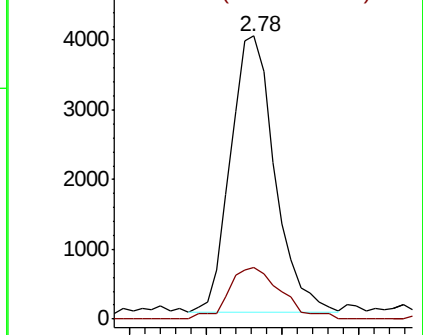
43 100

74 22.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.295 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

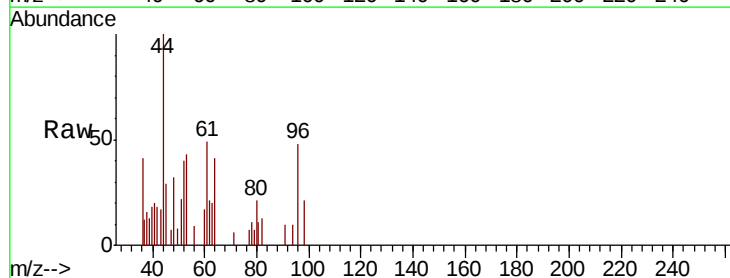
Tgt Ion: 96 Resp: 766

Ion Ratio Lower Upper

96 100

61 85.2 113.8 170.6#

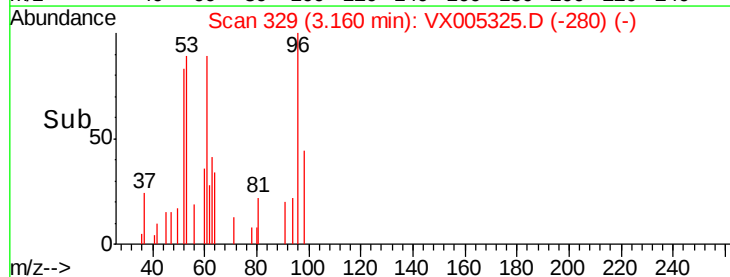
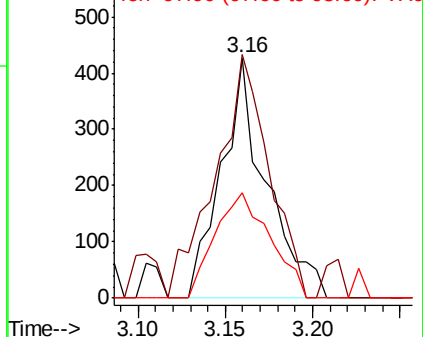
98 44.0 51.8 77.8#

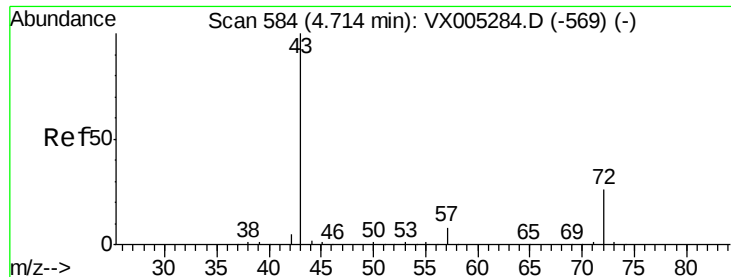


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.532 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

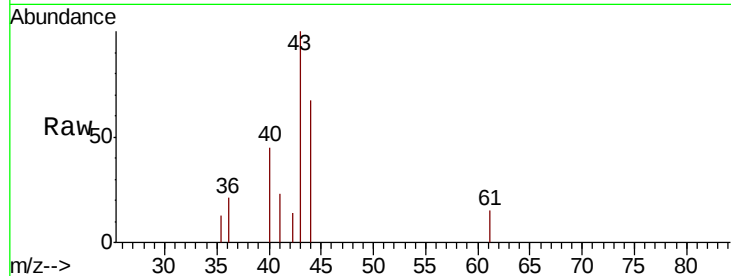
EP1-WS-EP-COMP1DL

Tot Ion: 43 Resp: 1334

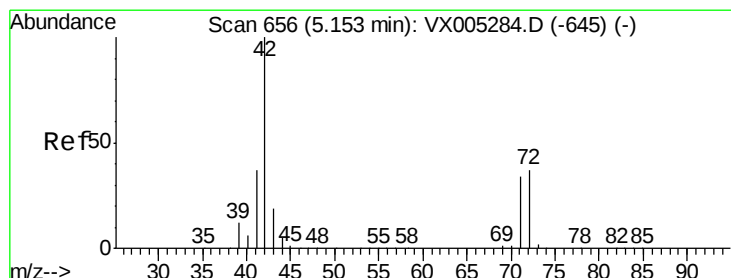
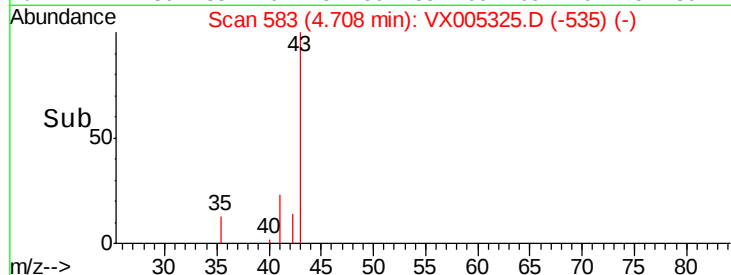
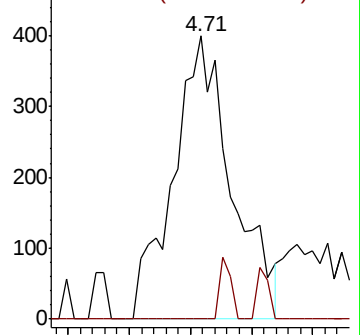
Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.535 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

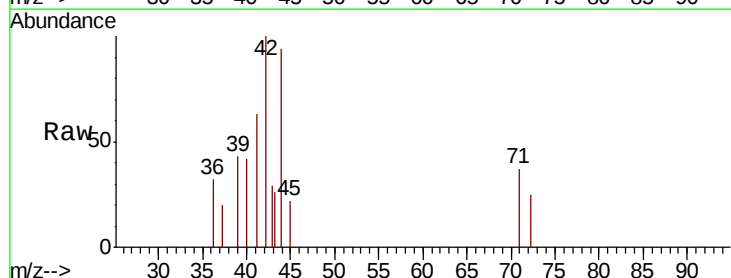
Tgt Ion: 42 Resp: 856

Ion Ratio Lower Upper

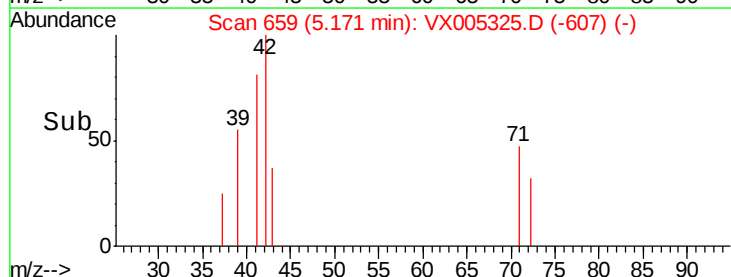
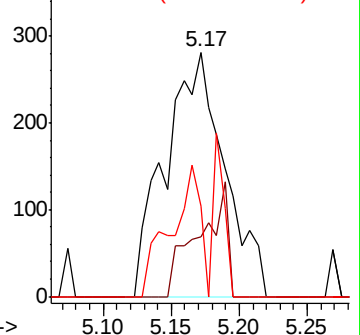
42 100

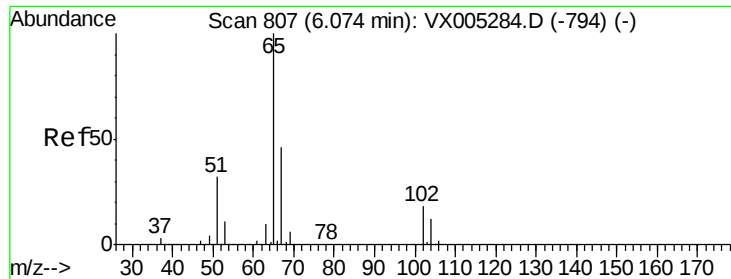
72 0.0 37.4 56.0#

71 27.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.502 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

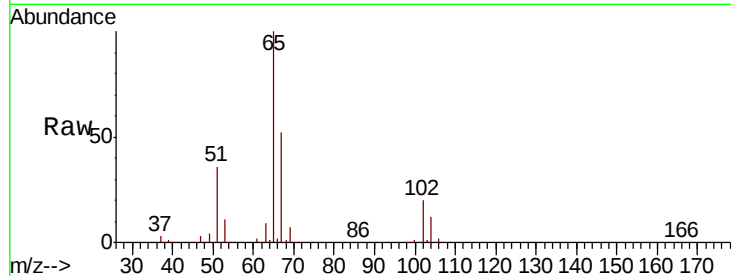
EP1-WS-EP-COMP1DL

Tot Ion: 65 Resp: 152784

Ion Ratio Lower Upper

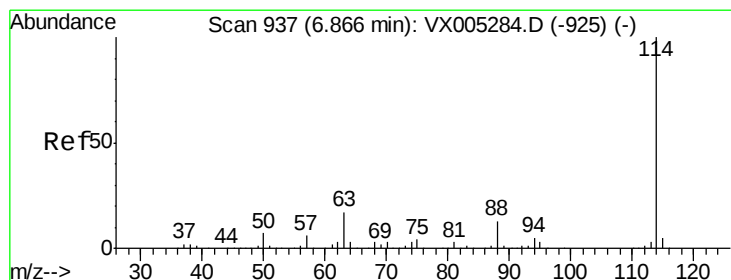
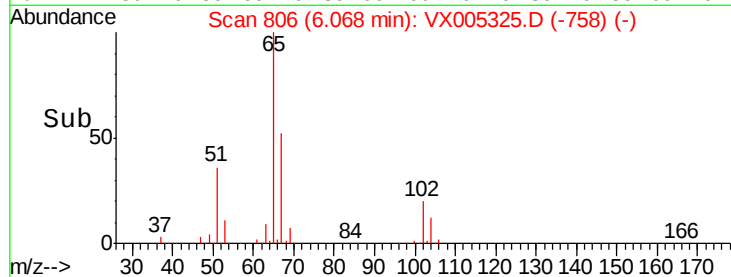
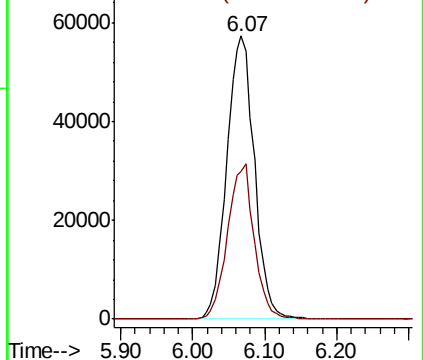
65 100

67 53.0 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: VX005325.D

Acq: 13 Oct 2018 06:17

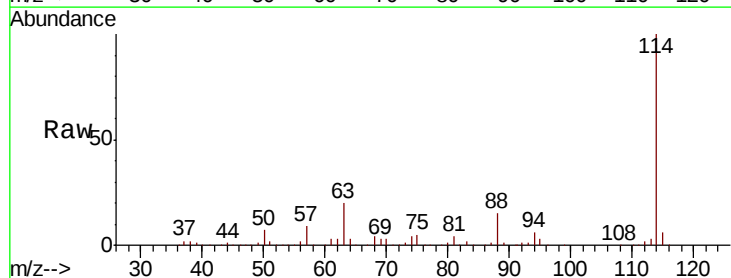
Tgt Ion: 114 Resp: 369769

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

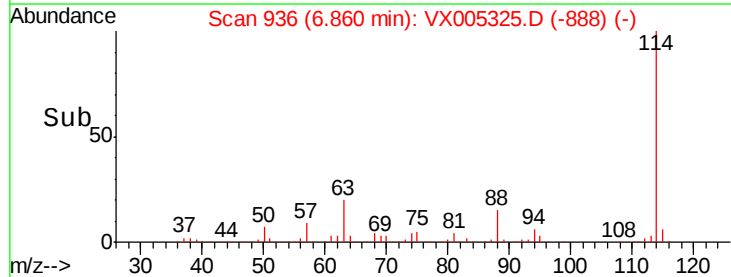
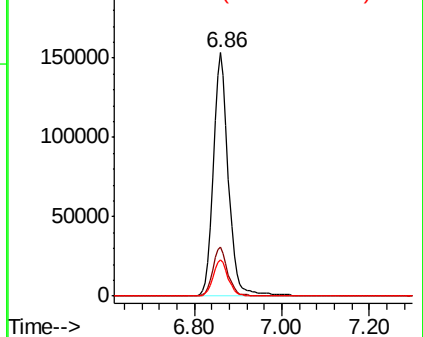
88 14.9 0.0 30.4

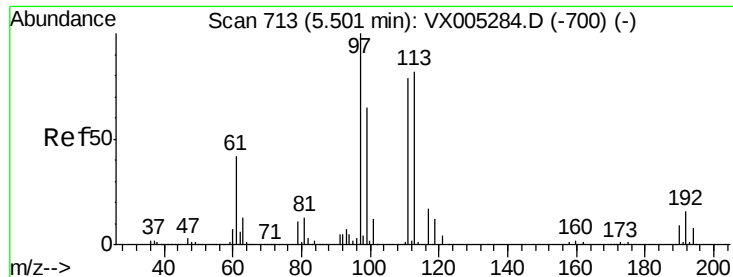


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

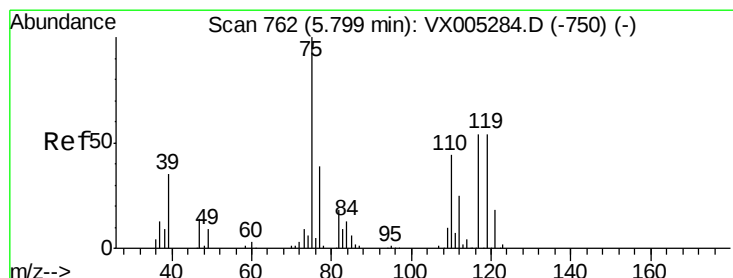
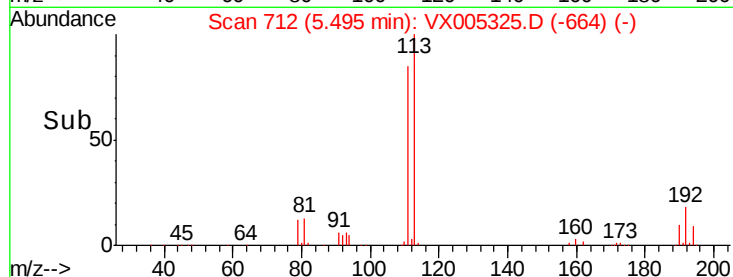
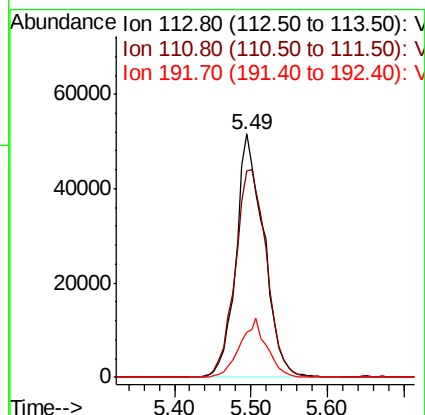
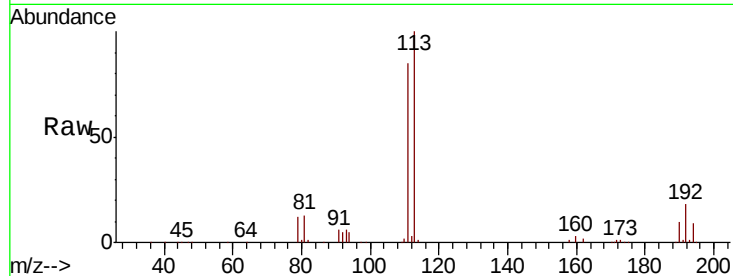




#35
 Dibromofluoromethane
 Concen: 53.114 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

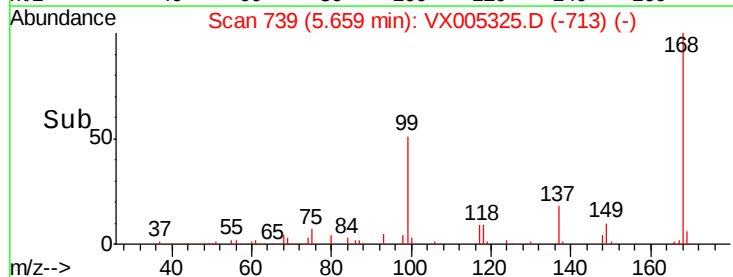
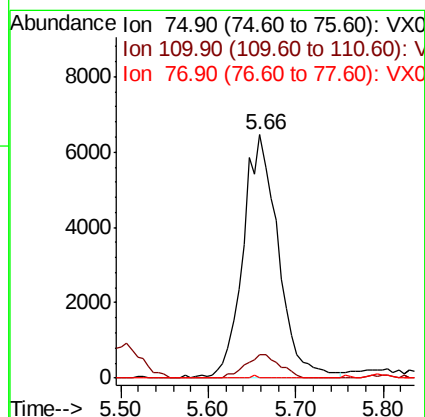
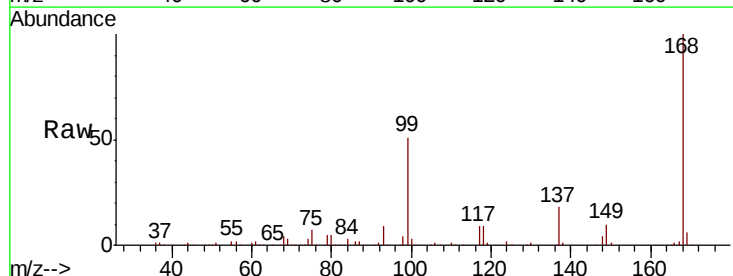
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-WS-EP-COMP1DL

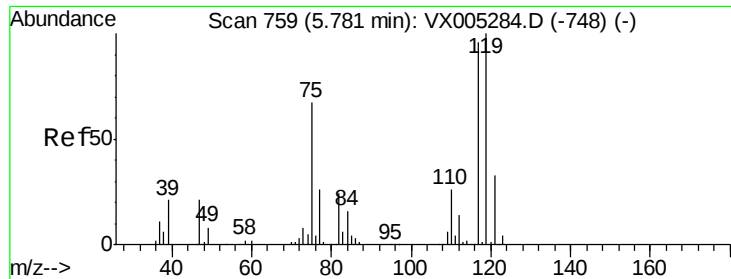
Tot Ion:113 Resp: 130079
 Ion Ratio Lower Upper
 113 100
 111 96.3 82.4 123.6
 192 23.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

Tgt Ion: 75 Resp: 18151
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.0 54.0#
 77 0.2 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.628 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

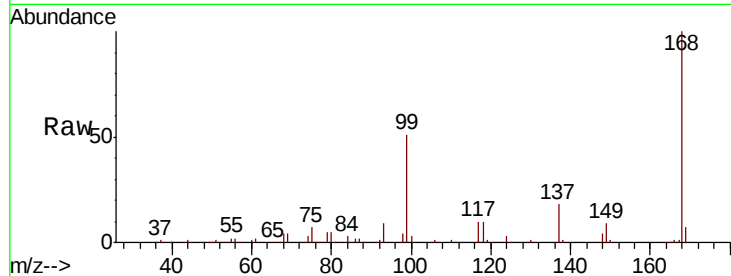
Tot Ion:117 Resp: 23848

Ion Ratio Lower Upper

117 100

119 6.6 78.8 118.2#

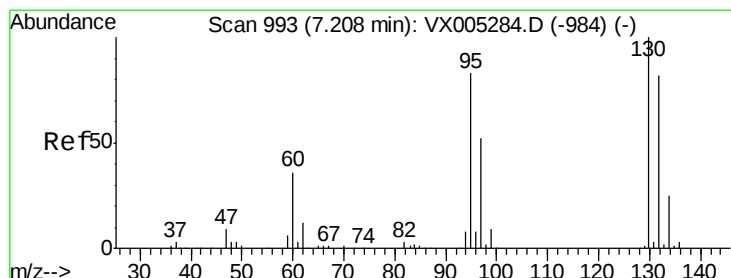
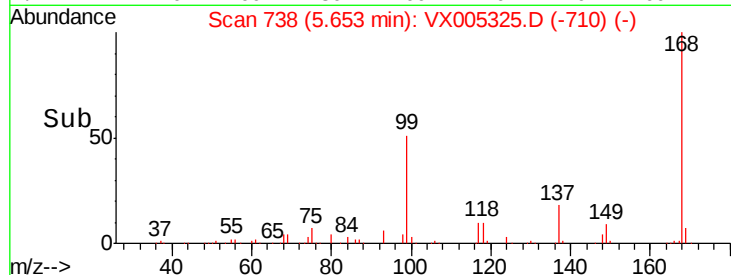
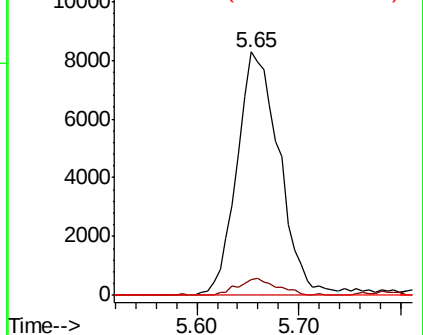
121 0.0 24.9 37.3#



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: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005325.D

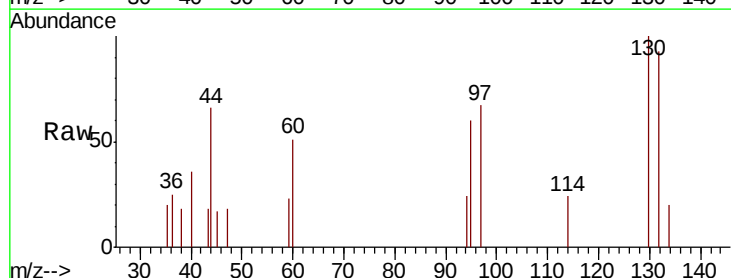
Acq: 13 Oct 2018 06:17

Tgt Ion:130 Resp: 571

Ion Ratio Lower Upper

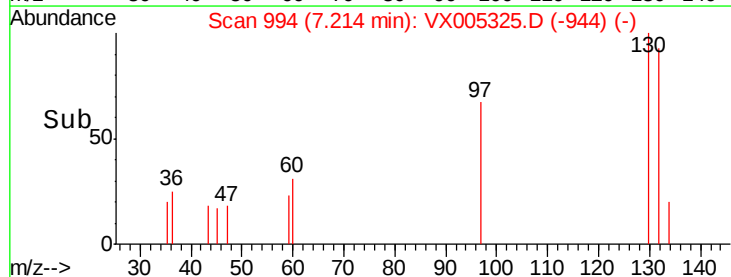
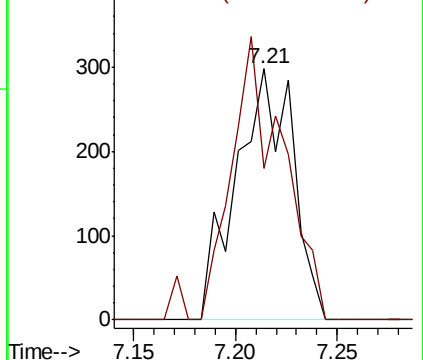
130 100

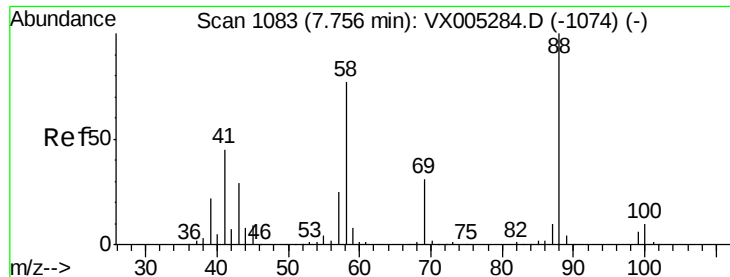
95 60.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

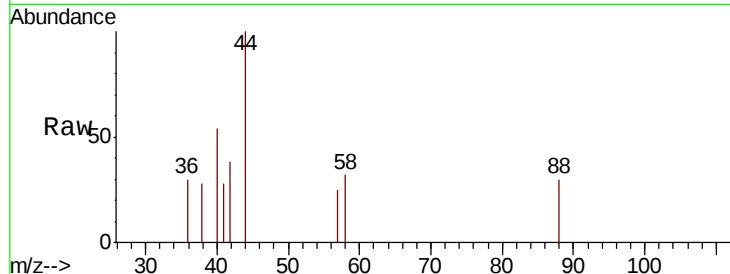




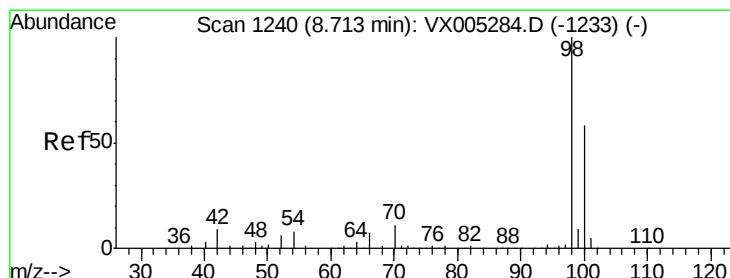
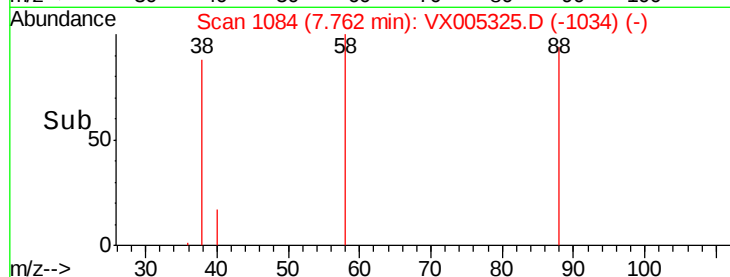
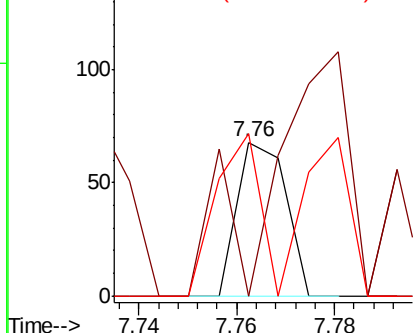
#49
1,4-Dioxane
Concen: 0.640 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

Tot Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 95.7 55.3 82.9#

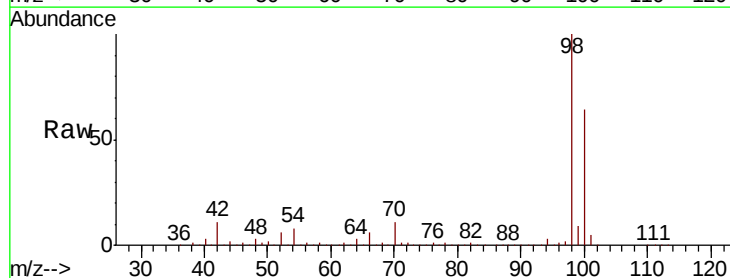


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

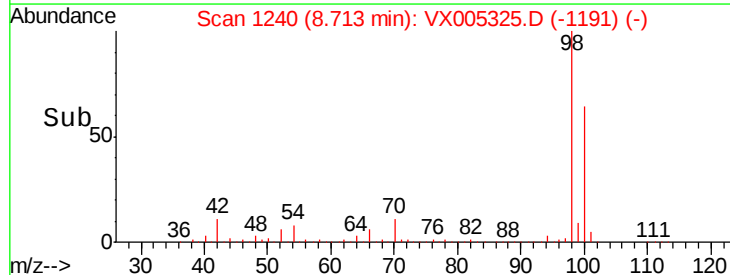
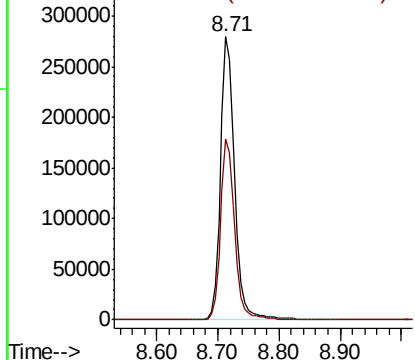


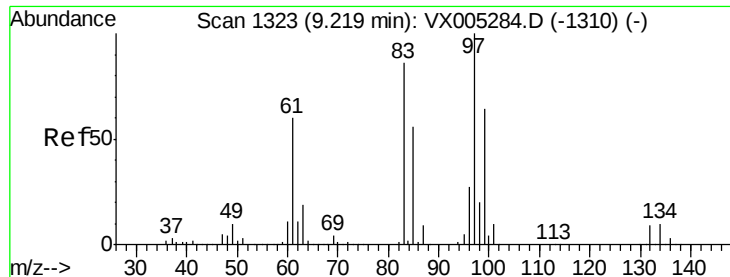
#50
Toluene-d8
Concen: 54.091 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion: 98 Resp: 454788
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

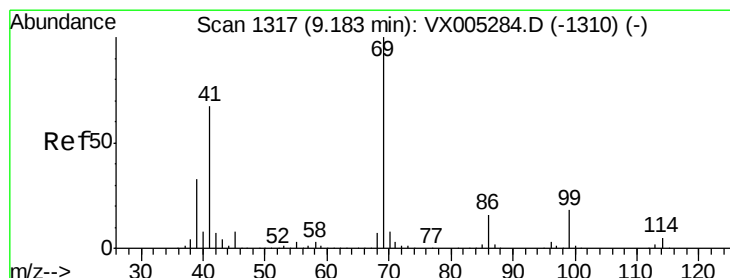
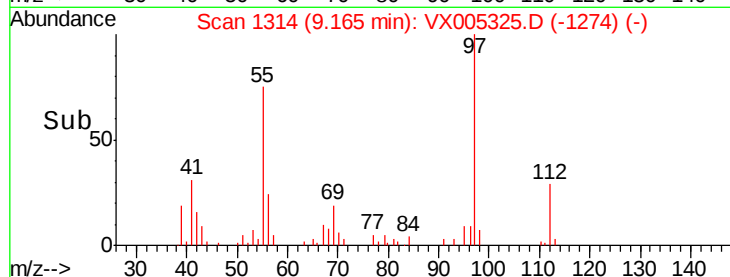
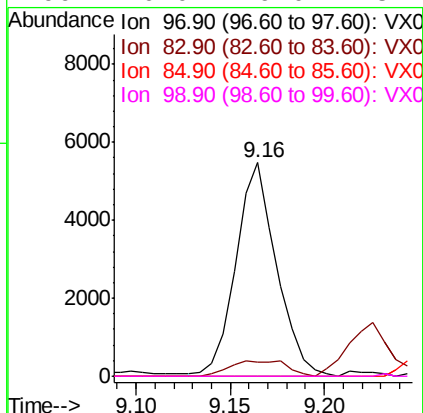
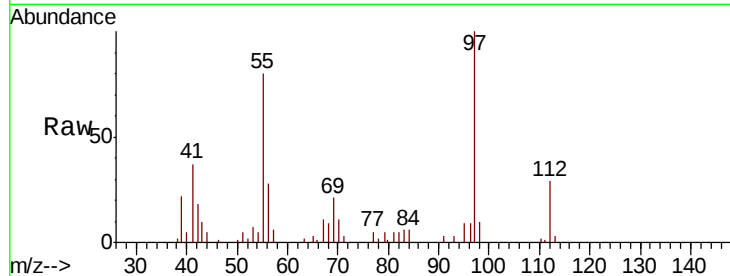




#55
 1,1,2-Trichloroethane
 Concen: 3.286 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

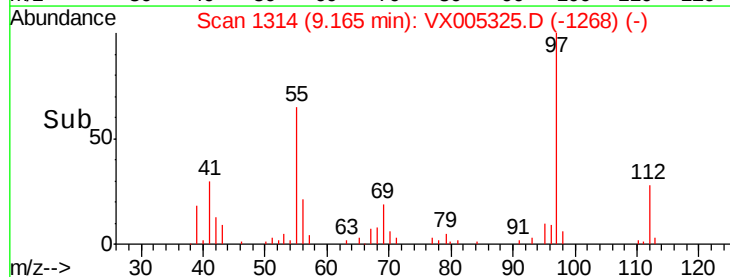
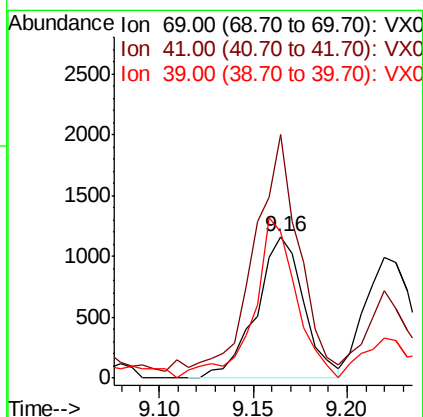
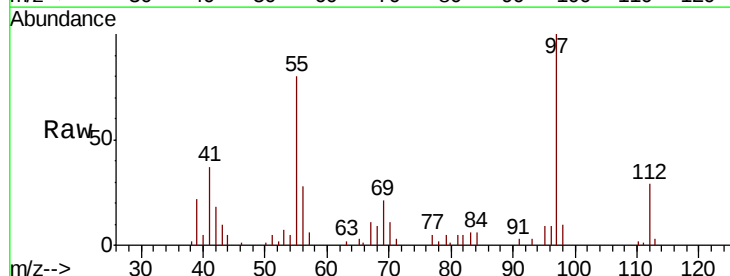
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-WS-EP-COMP1DL

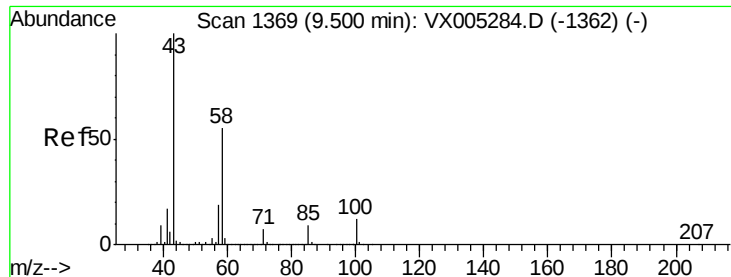
Tot Ion:	97	Resp:	8180
Ion	Ratio	Lower	Upper
97	100		
83	6.4	66.4	99.6#
85	0.0	43.3	64.9#
99	0.0	49.0	73.4#



#56
 Ethyl methacrylate
 Concen: 0.559 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

Tgt Ion:	69	Resp:	2028
Ion	Ratio	Lower	Upper
69	100		
41	154.8	51.0	76.4#
39	101.2	26.1	39.1#

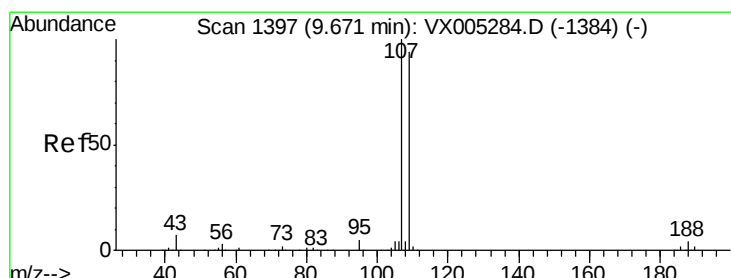
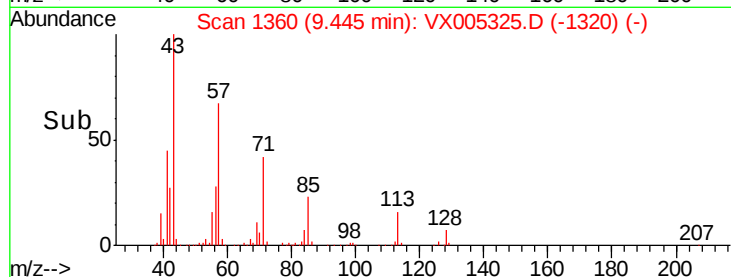
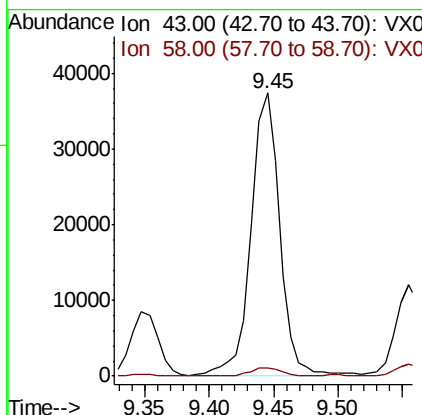
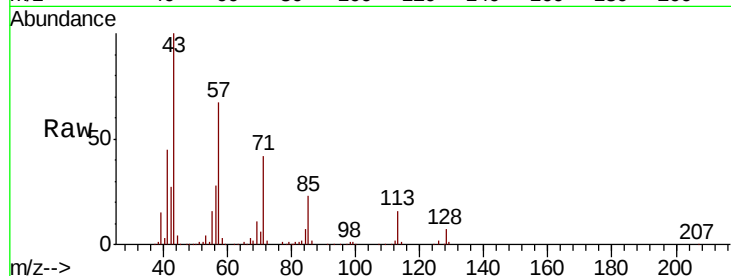




#59
2-Hexanone
Concen: 16.584 ug/l
RT: 9.45 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

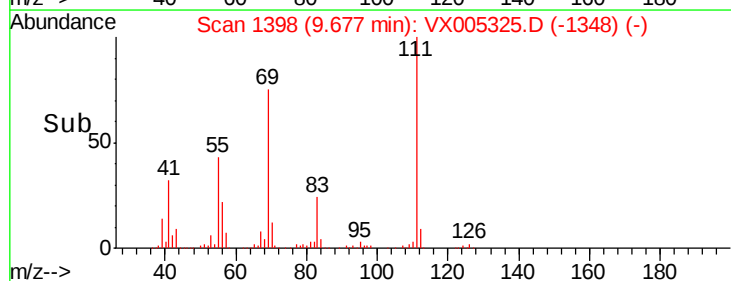
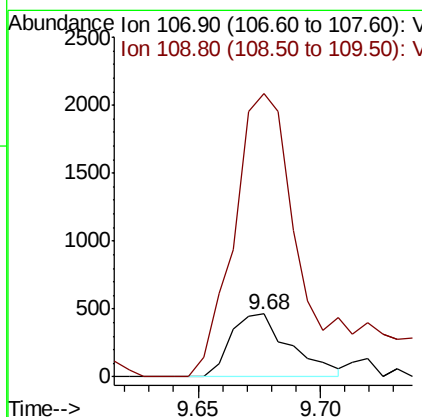
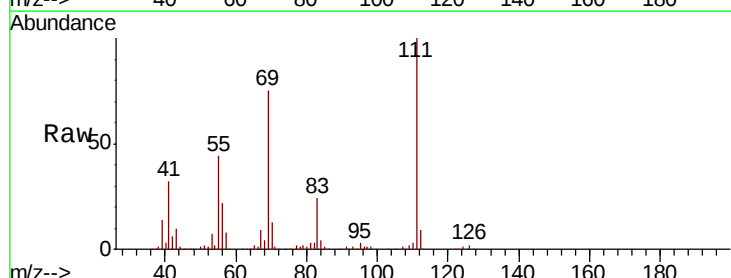
Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

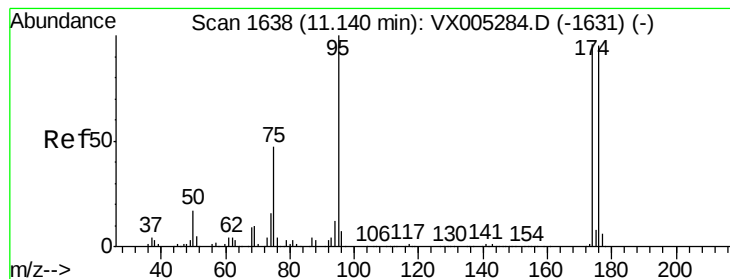
Tot Ion: 43 Resp: 56667
Ion Ratio Lower Upper
43 100
58 3.4 29.0 87.0#



#61
1,2-Dibromoethane
Concen: 0.300 ug/l
RT: 9.68 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion:107 Resp: 784
Ion Ratio Lower Upper
107 100
109 574.2 76.0 114.0#





#62

4-Bromofluorobenzene

Concen: 59.231 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

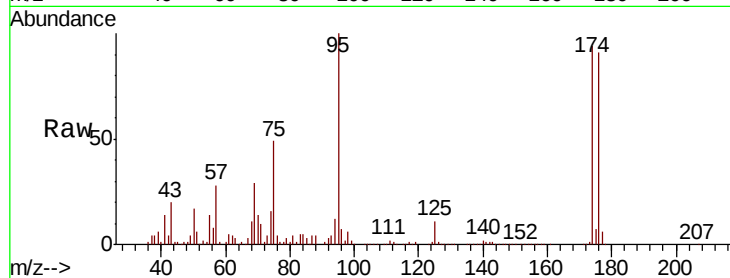
Tot Ion: 95 Resp: 187081

Ion Ratio Lower Upper

95 100

174 88.1 0.0 185.2

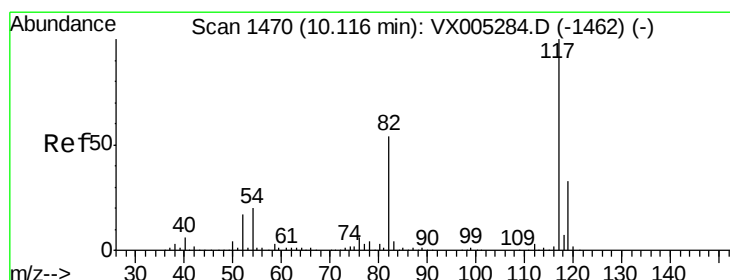
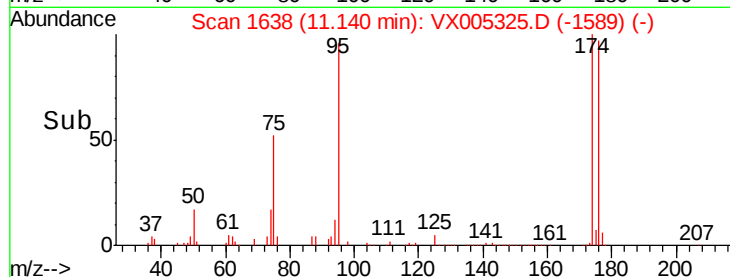
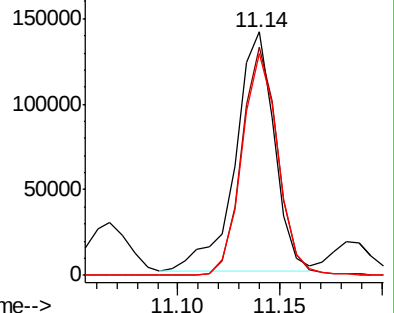
176 86.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

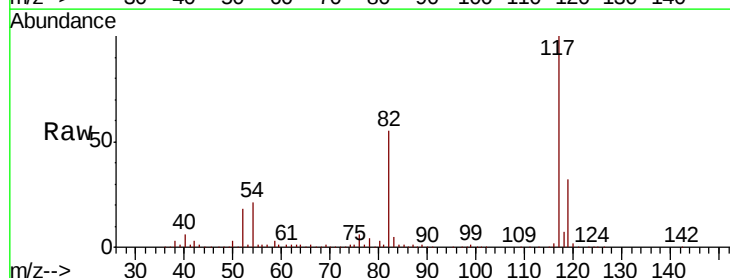
Tgt Ion: 117 Resp: 363759

Ion Ratio Lower Upper

117 100

82 53.7 47.8 71.6

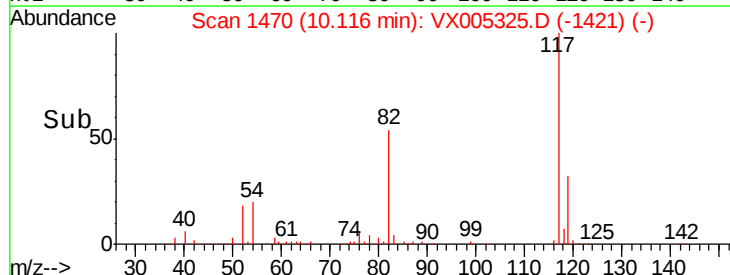
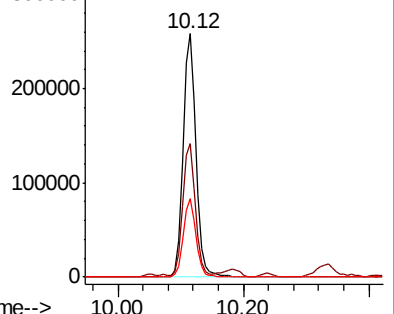
119 32.1 29.3 43.9

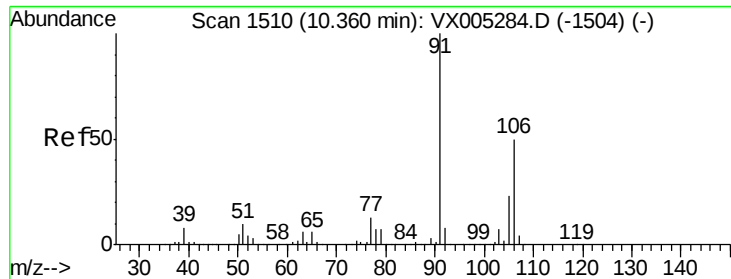


Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)

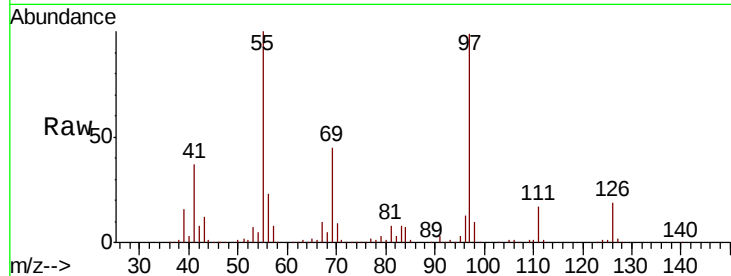




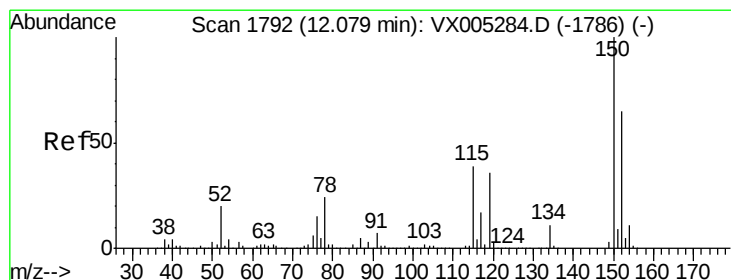
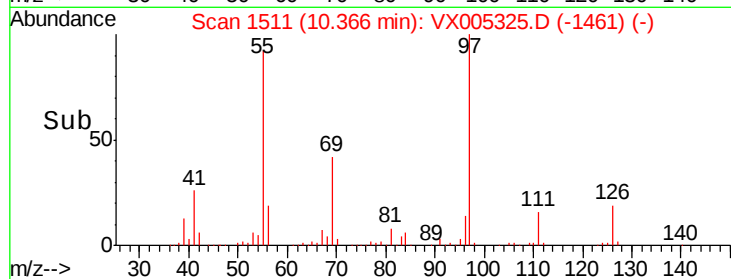
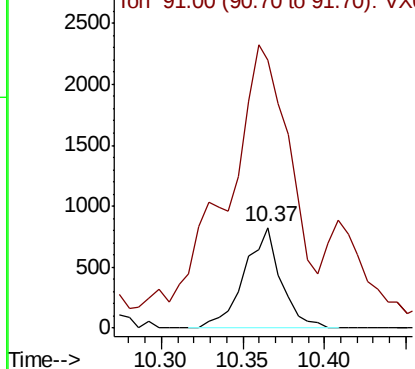
#68
m/p-Xvlenes
Concen: 0.265 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

Tot Ion:106 Resp: 1294
Ion Ratio Lower Upper
106 100
91 489.3 157.1 235.7#

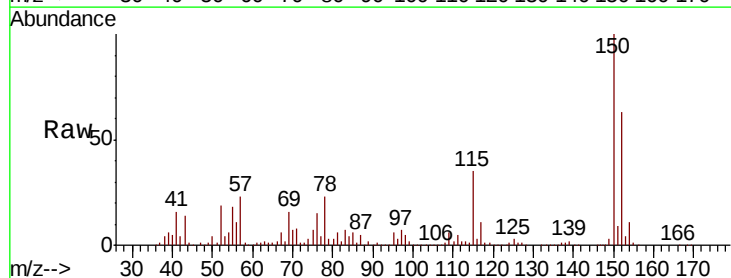


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

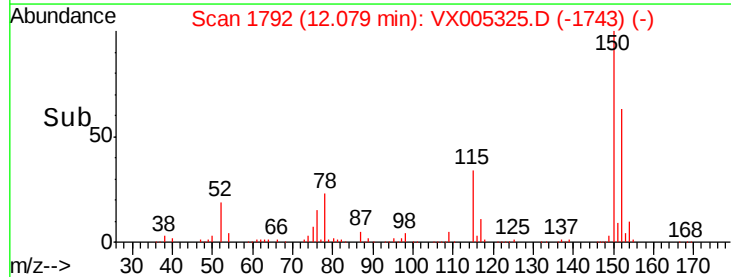
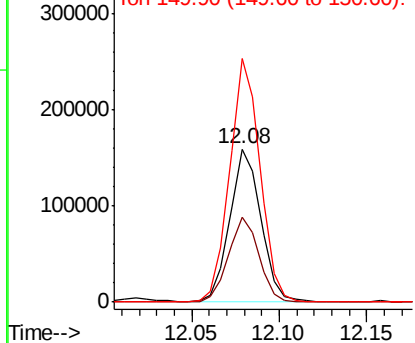


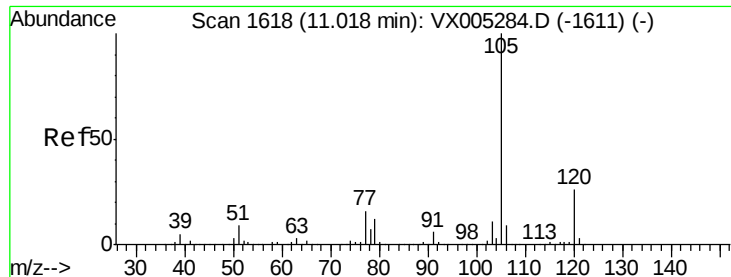
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion:152 Resp: 196076
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 156.2 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

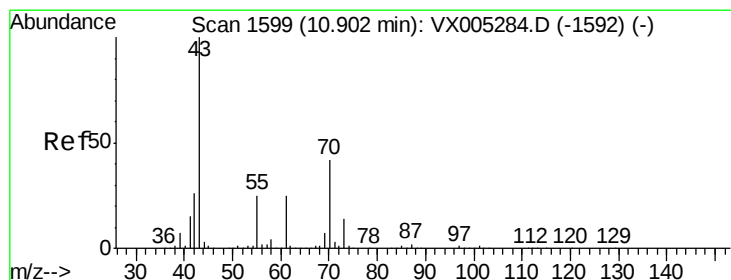
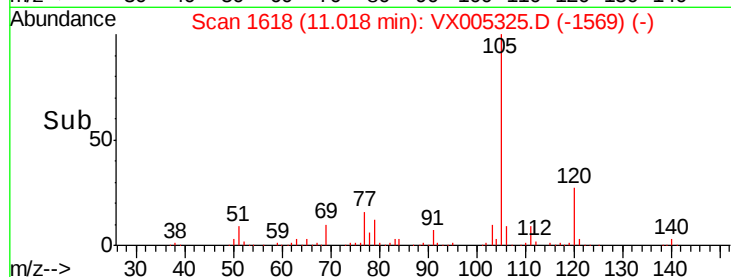
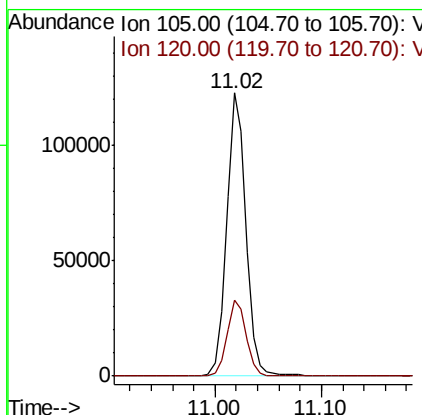
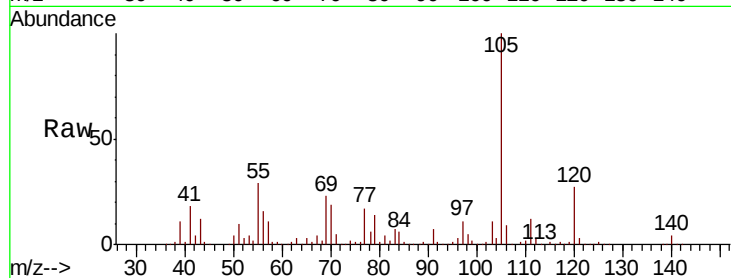




#73
Isopropylbenzene
Concen: 13.286 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

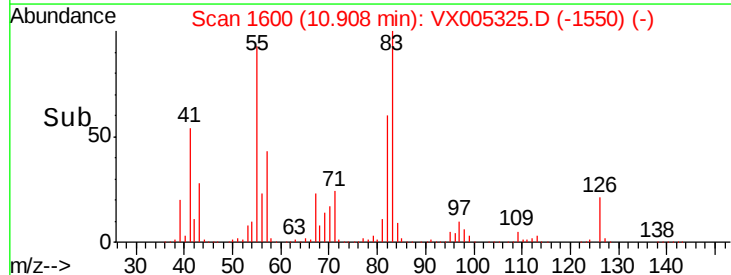
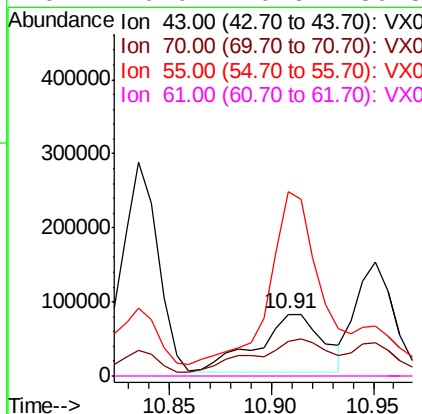
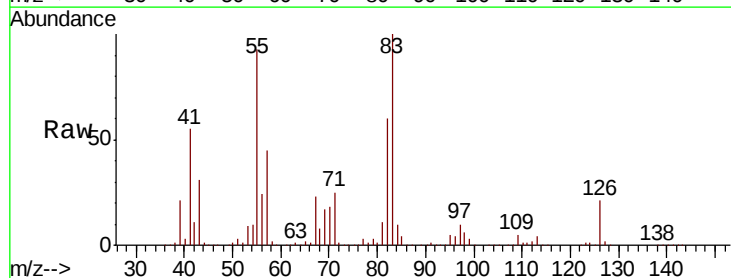
Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

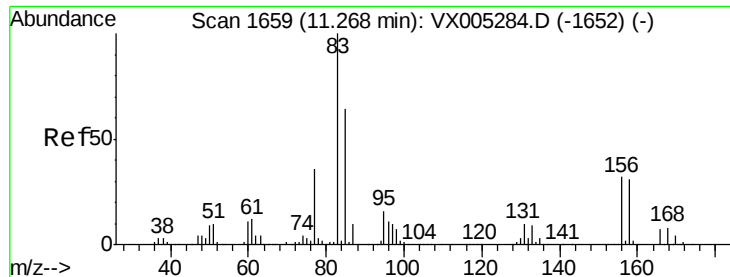
Tot Ion:105 Resp: 154862
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 30.984 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion: 43 Resp: 174192
Ion Ratio Lower Upper
43 100
70 70.7 37.4 56.0#
55 225.8 21.8 32.8#
61 0.0 20.6 30.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 27.827 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

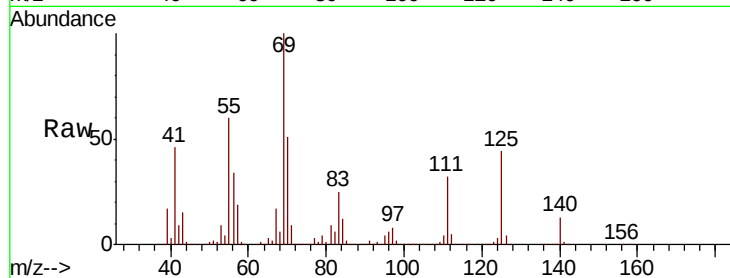
Tot Ion: 83 Resp: 122358

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

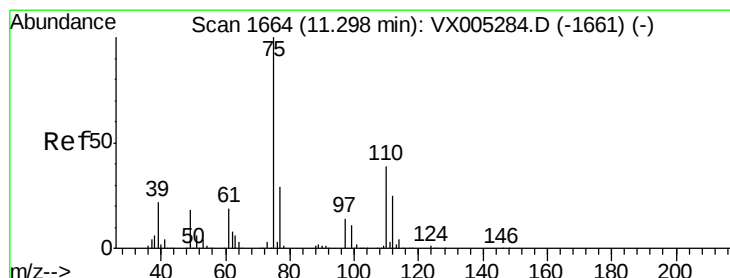
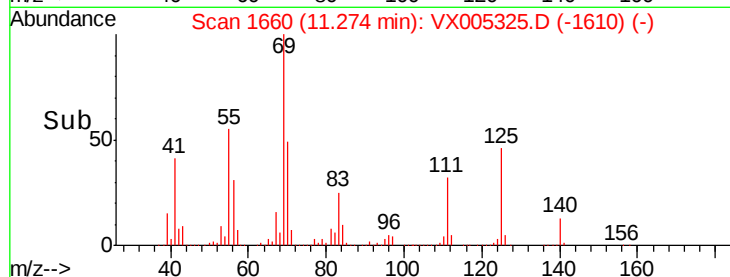
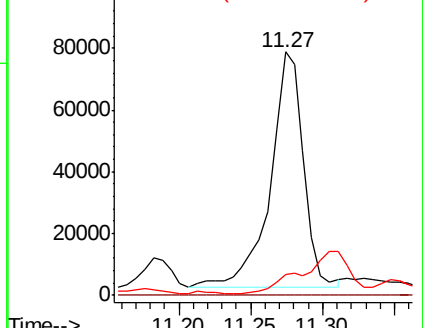
85 0.0 32.3 96.8#



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: 23.304 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005325.D

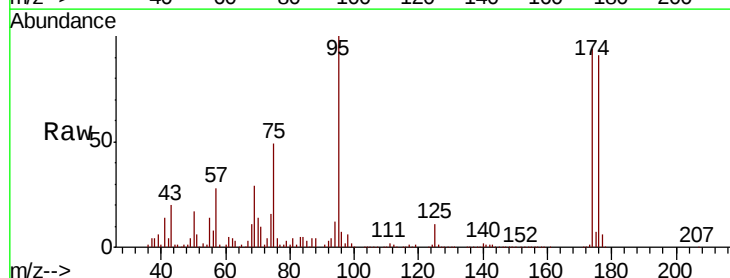
Acq: 13 Oct 2018 06:17

Tgt Ion: 75 Resp: 88631

Ion Ratio Lower Upper

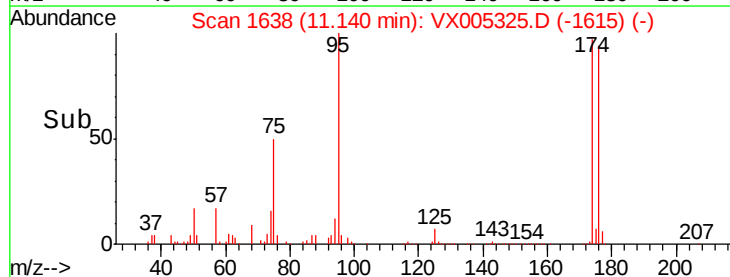
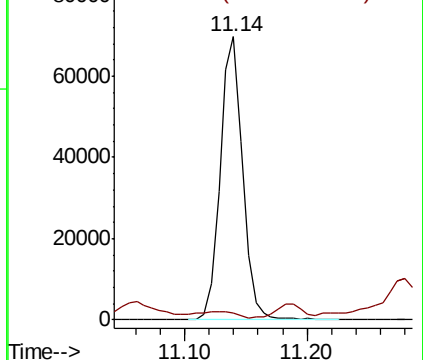
75 100

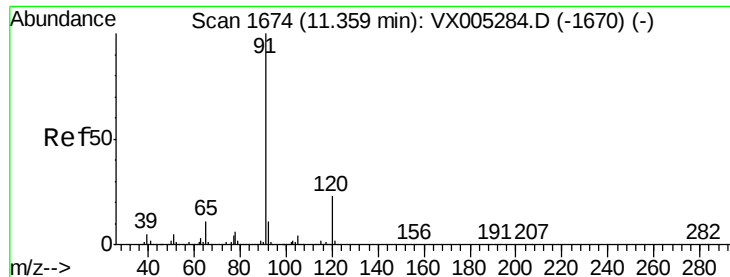
77 3.7 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 31.907 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

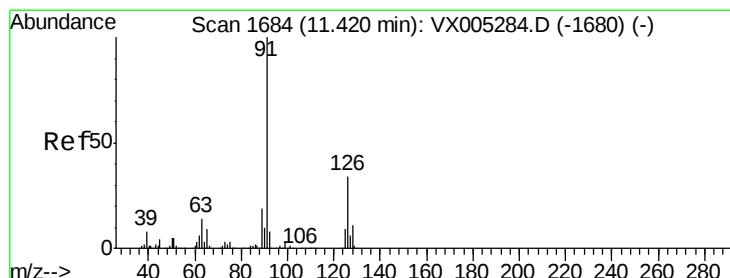
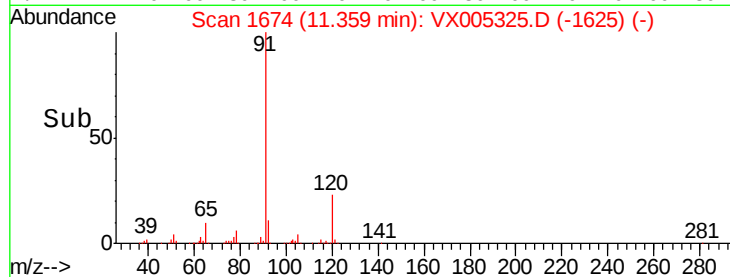
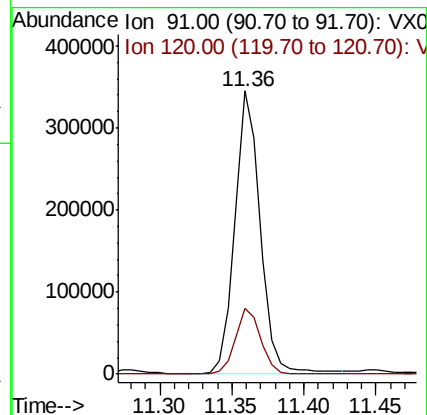
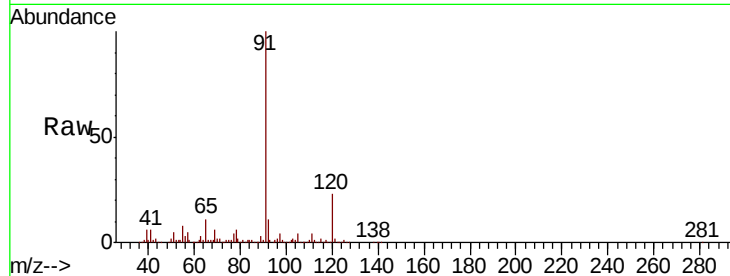
EP1-WS-EP-COMP1DL

Tot Ion: 91 Resp: 427971

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.9



#79

2-Chlorotoluene

Concen: 52.098 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX005325.D

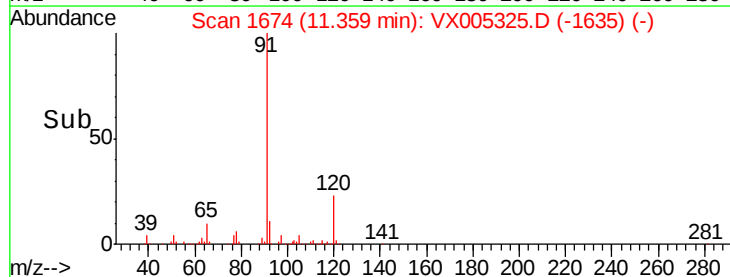
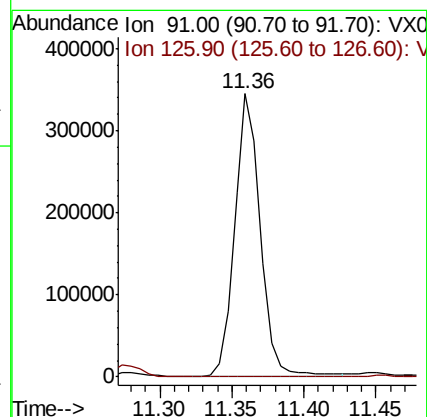
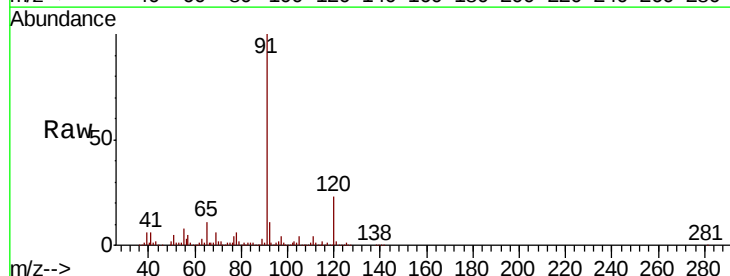
Acq: 13 Oct 2018 06:17

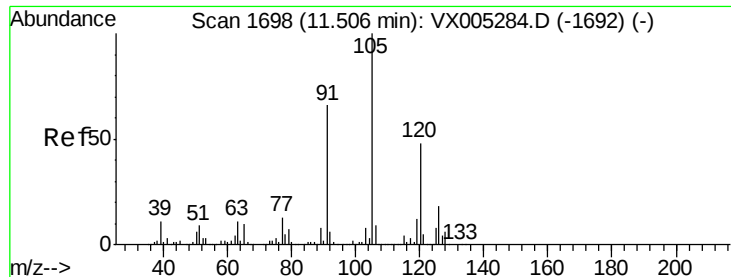
Tgt Ion: 91 Resp: 427971

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#

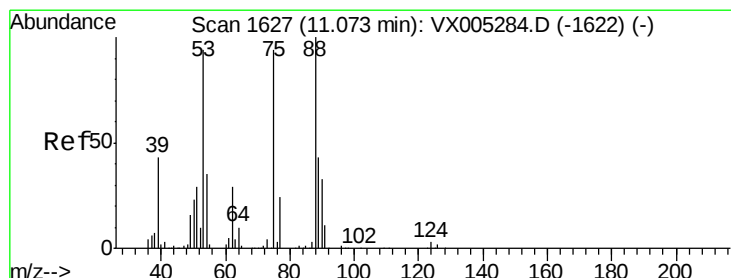
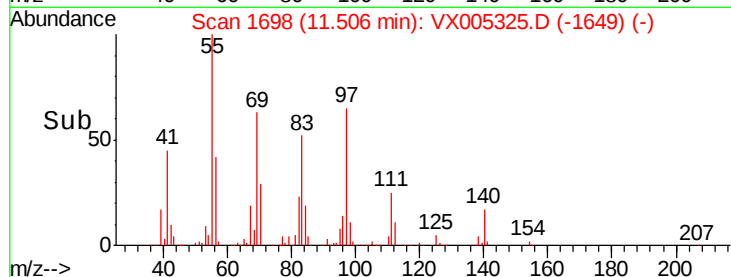
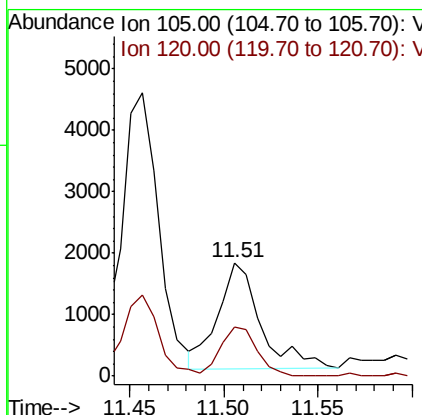
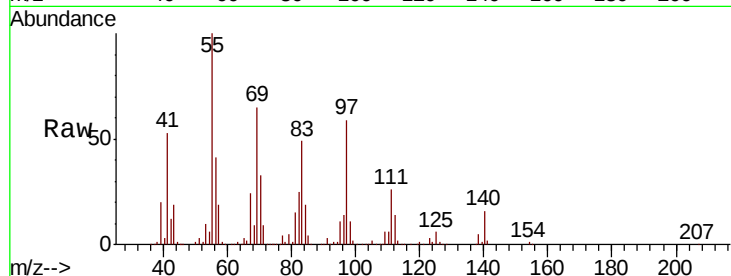




#80
 1,3,5-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

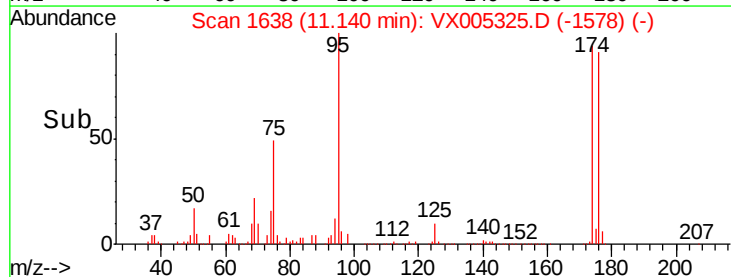
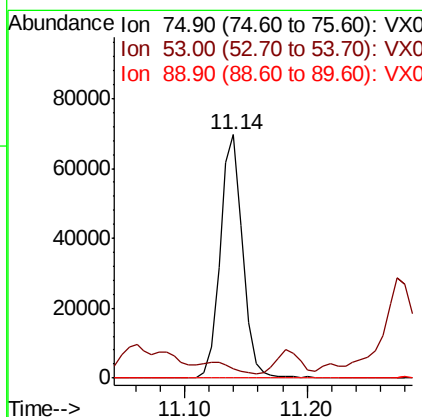
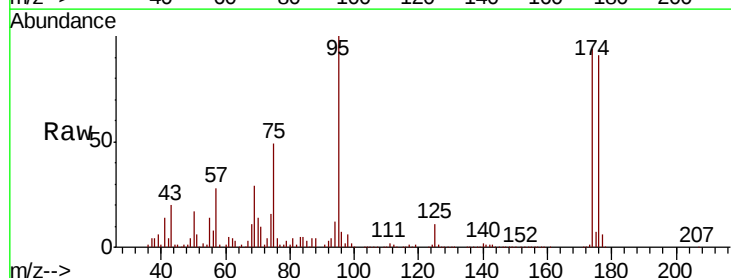
Instrument :
 MSVOA_X
 ClientSampleID :
 EP1-WS-EP-COMP1DL

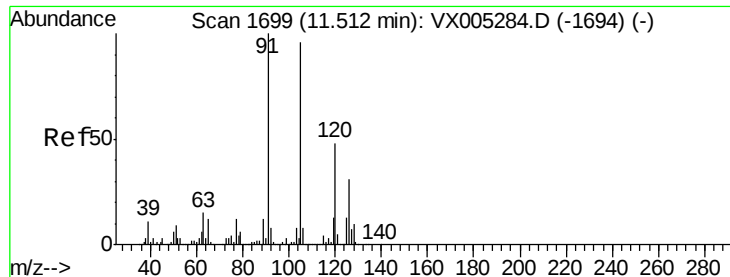
Tot Ion:105 Resp: 2725
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.6 76.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.808 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005325.D
 Acq: 13 Oct 2018 06:17

Tgt Ion: 75 Resp: 88631
 Ion Ratio Lower Upper
 75 100
 53 5.7 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 43.949 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

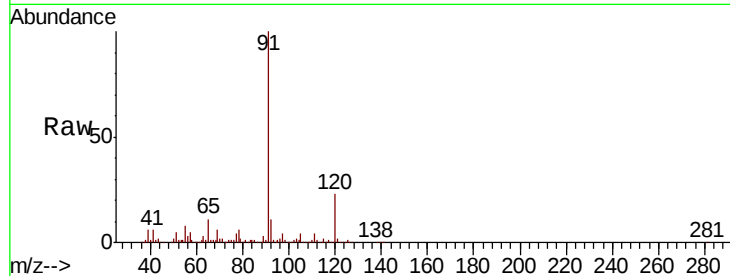
EP1-WS-EP-COMP1DL

Tot Ion: 91 Resp: 427971

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.36

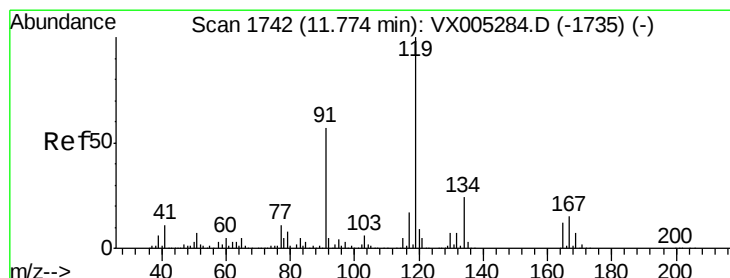
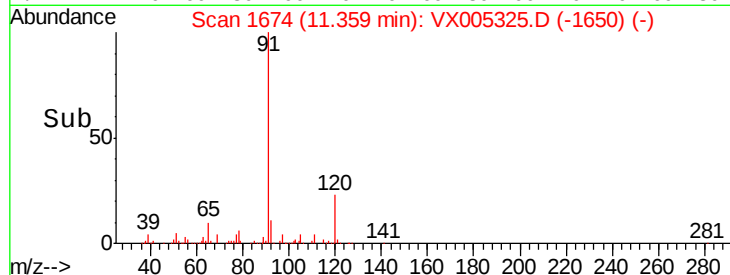
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 4.307 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

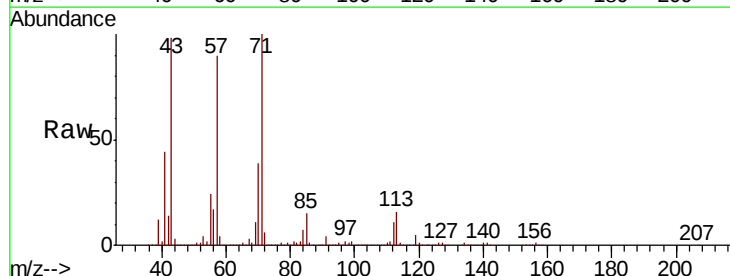
Tgt Ion: 119 Resp: 43532

Ion Ratio Lower Upper

119 100

91 74.6 27.0 81.0

134 24.8 11.7 35.1



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

11.77

40000

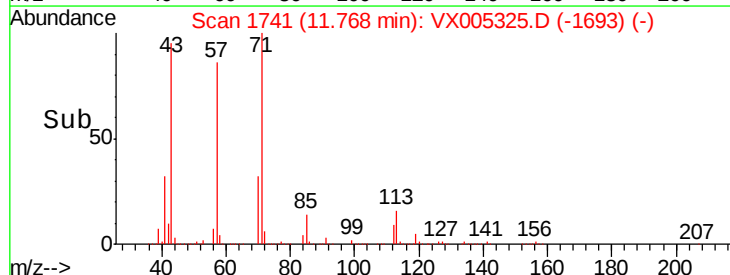
30000

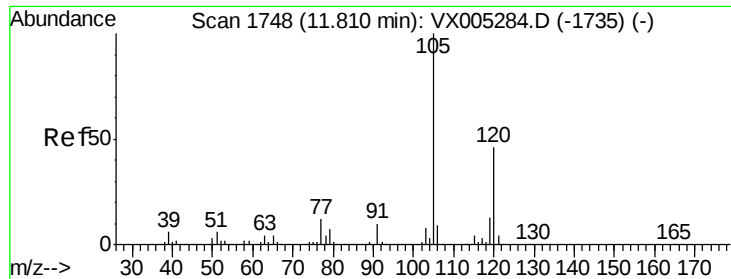
20000

10000

0

Time-->

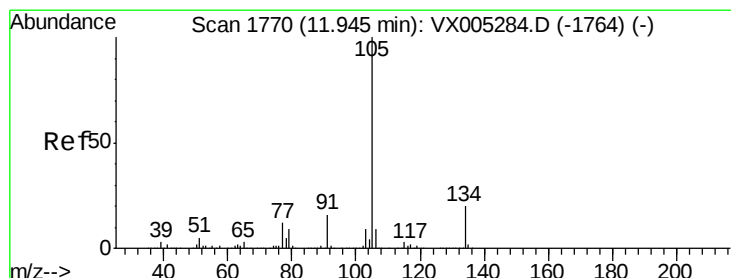
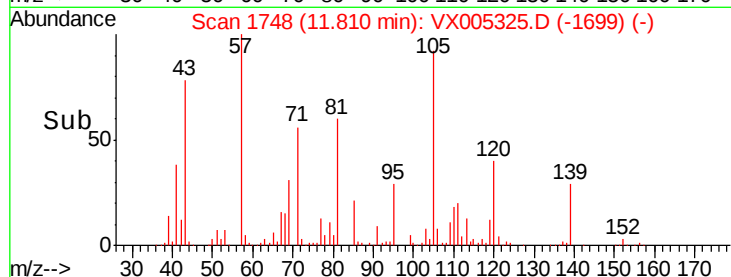
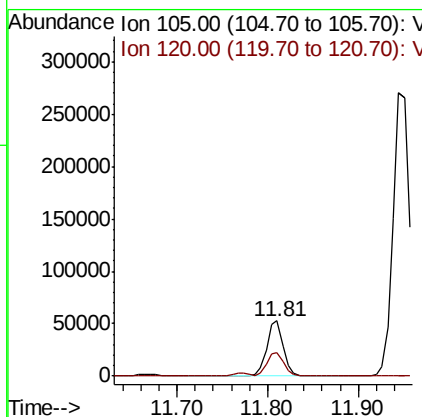
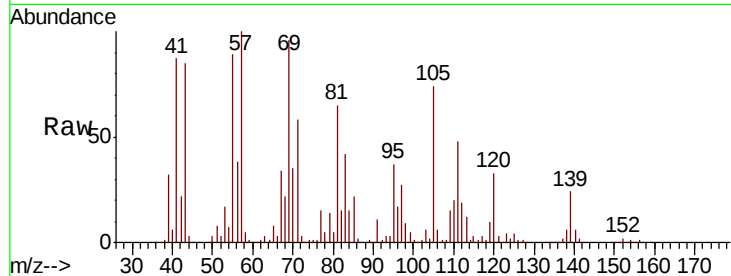




#84
1,2,4-Trimethylbenzene
Concen: 6.402 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

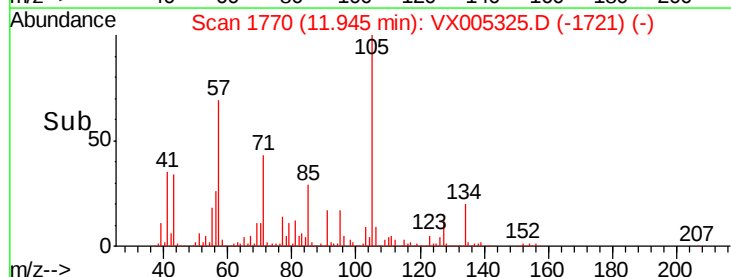
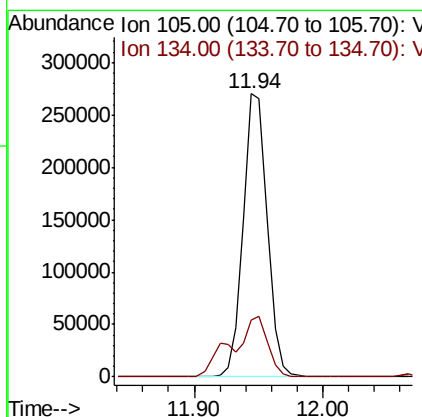
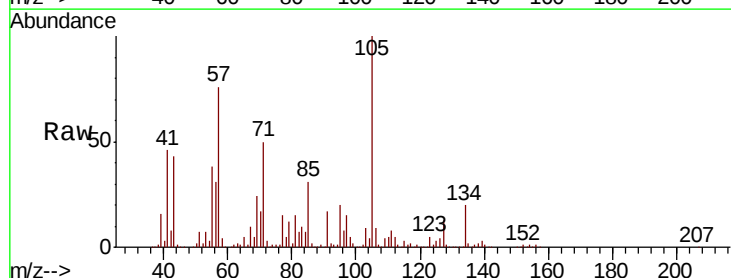
Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

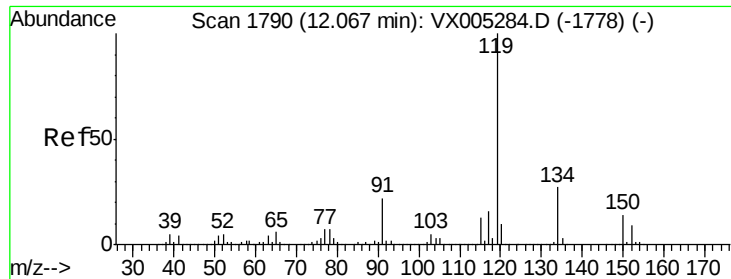
Tot Ion:105 Resp: 65757
Ion Ratio Lower Upper
105 100
120 43.8 23.2 69.6



#85
sec-Butylbenzene
Concen: 28.966 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion:105 Resp: 346495
Ion Ratio Lower Upper
105 100
134 32.2 10.5 31.5#

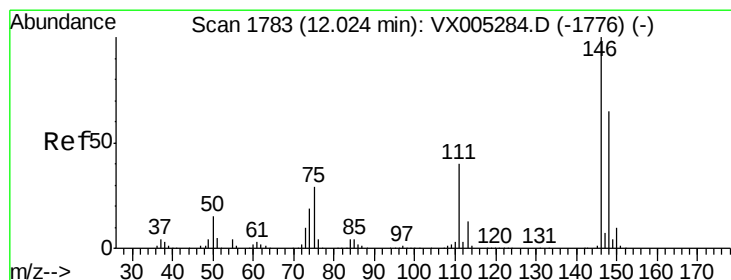
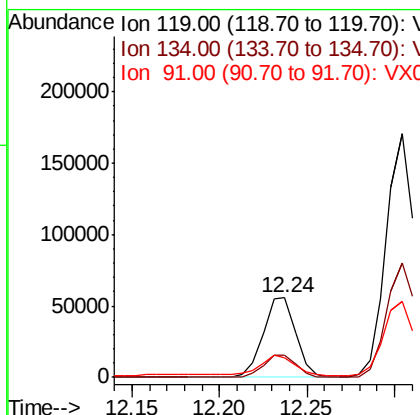
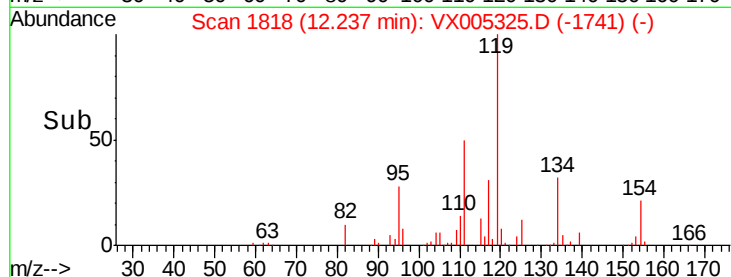
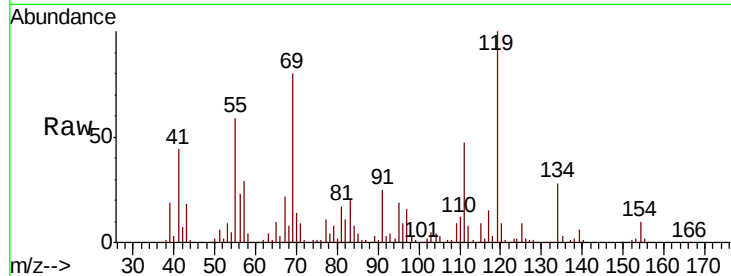




#86
p-Isopropyltoluene
Concen: 6.669 ug/l
RT: 12.24 min Scan# 1818
Delta R.T. 0.17 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

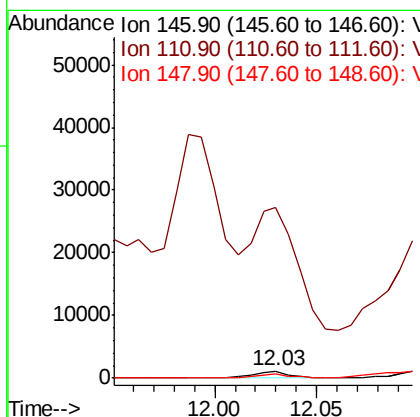
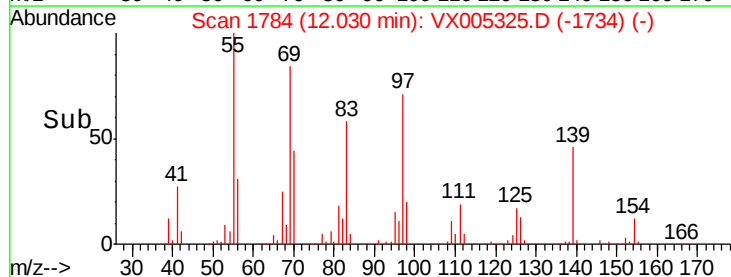
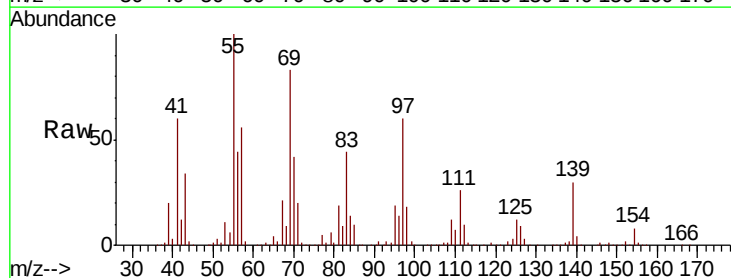
Instrument :
MSVOA_X
ClientSampleId :
EP1-WS-EP-COMP1DL

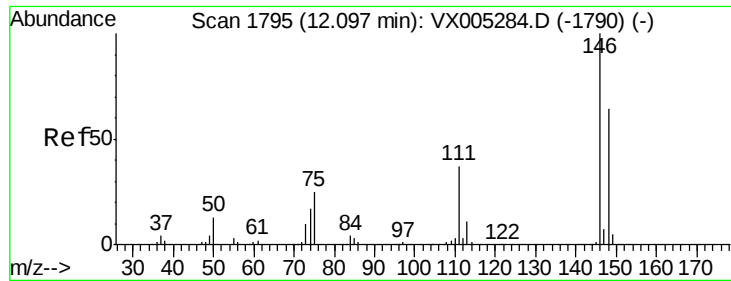
Tot Ion:119 Resp: 72098
Ion Ratio Lower Upper
119 100
134 28.2 13.4 40.2
91 27.7 10.9 32.7



#87
1,3-Dichlorobenzene
Concen: 0.205 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX005325.D
Acq: 13 Oct 2018 06:17

Tgt Ion:146 Resp: 1278
Ion Ratio Lower Upper
146 100
111 2282.3 18.7 56.1#
148 62.3 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.273 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

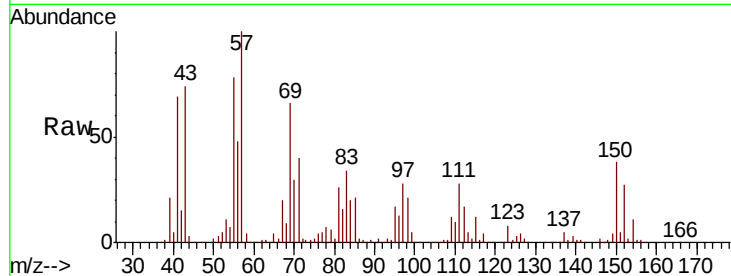
Tot Ion:146 Resp: 1739

Ion Ratio Lower Upper

146 100

111 1372.1 18.1 54.1#

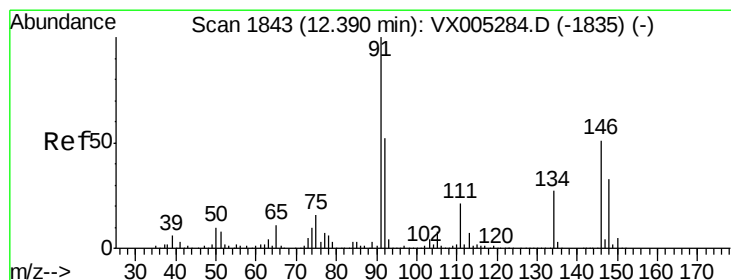
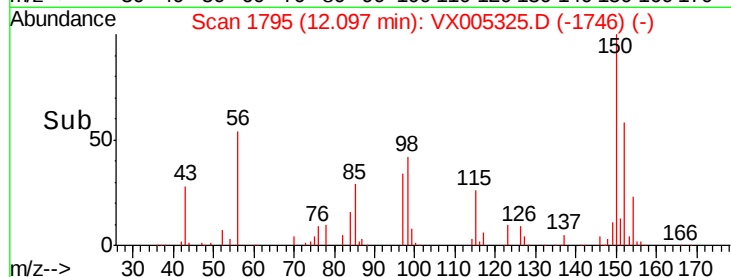
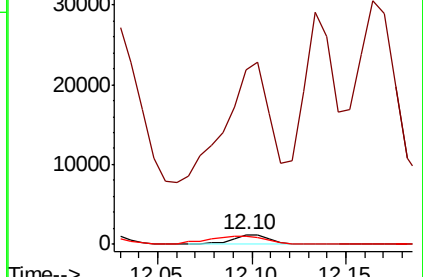
148 126.4 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 35.283 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

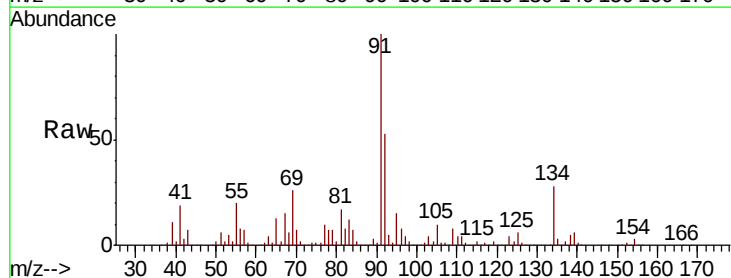
Tgt Ion: 91 Resp: 346361

Ion Ratio Lower Upper

91 100

92 48.5 27.3 81.9

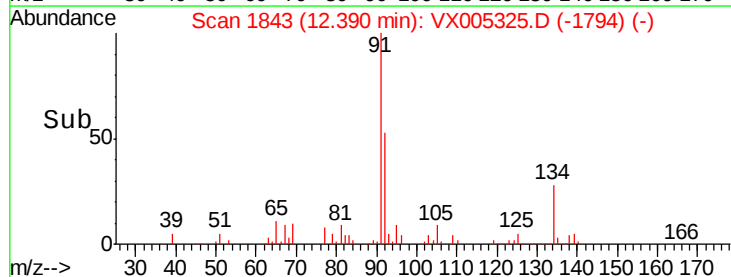
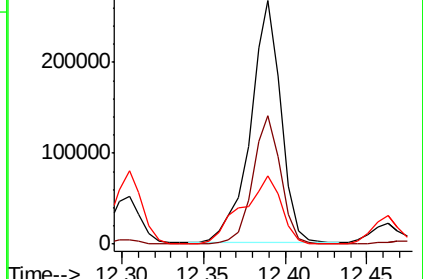
134 36.4 13.6 40.7

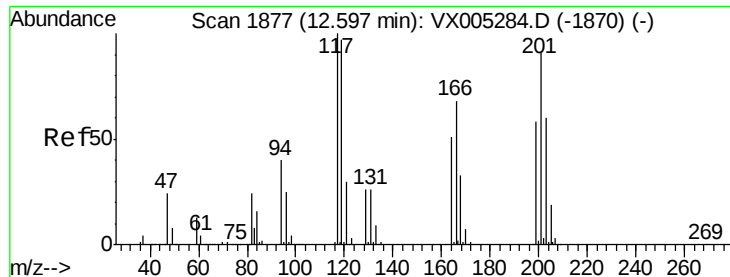


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 31.026 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

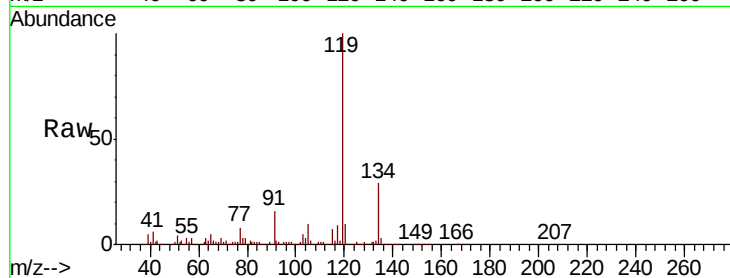
EP1-WS-EP-COMP1DL

Tot Ion:117 Resp: 57810

Ion Ratio Lower Upper

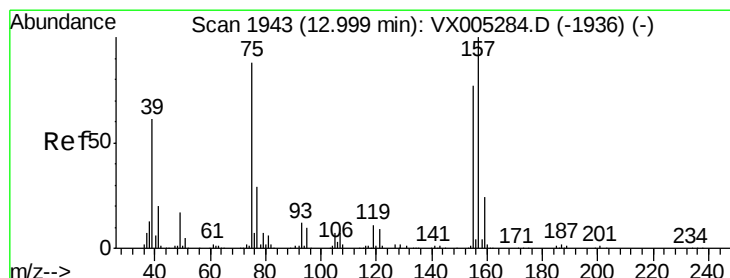
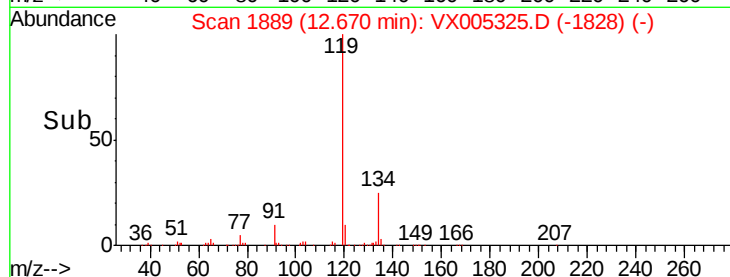
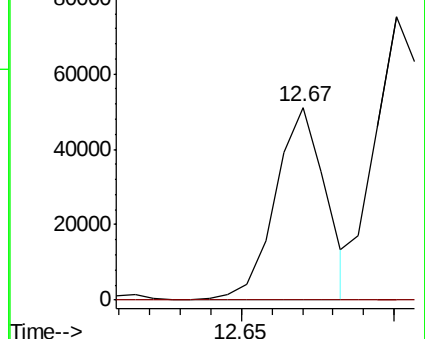
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.345 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

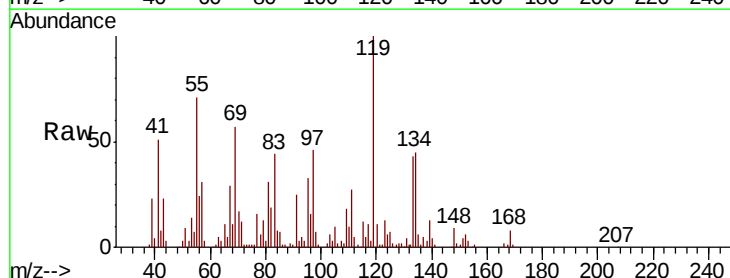
Tgt Ion: 75 Resp: 370

Ion Ratio Lower Upper

75 100

155 96.5 48.0 144.2

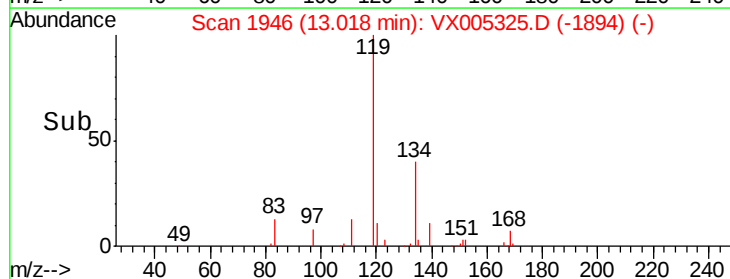
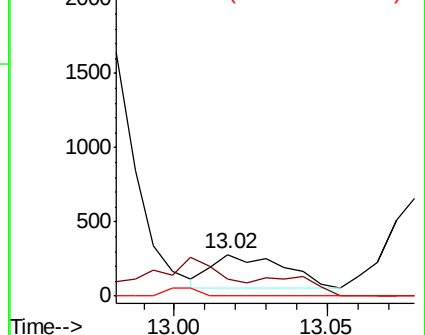
157 10.8 61.4 184.1#

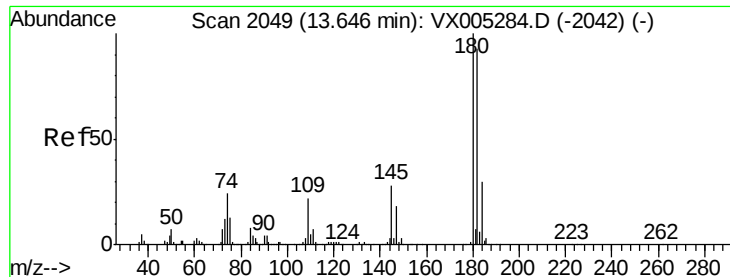


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.498 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

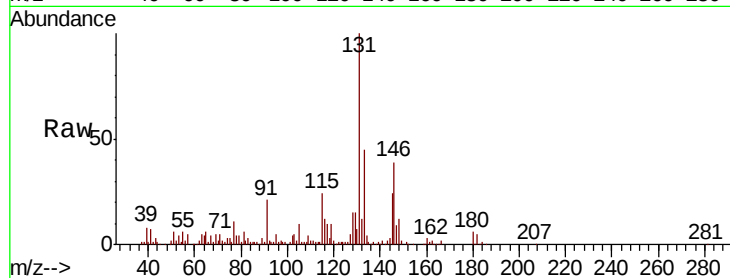
Tot Ion:180 Resp: 2320

Ion Ratio Lower Upper

180 100

182 86.1 48.4 145.0

145 474.0 14.3 42.9#

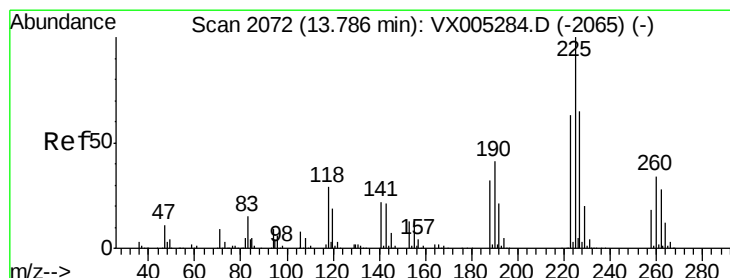
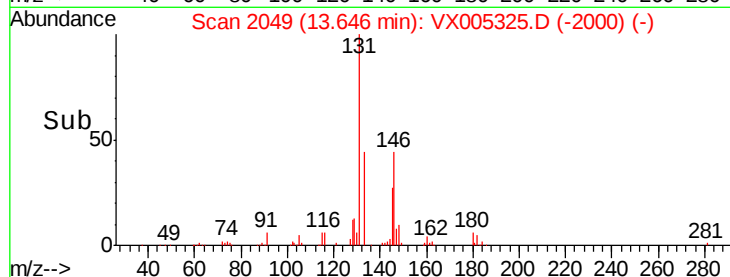
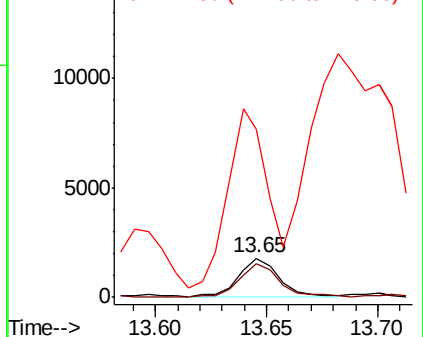


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.362 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

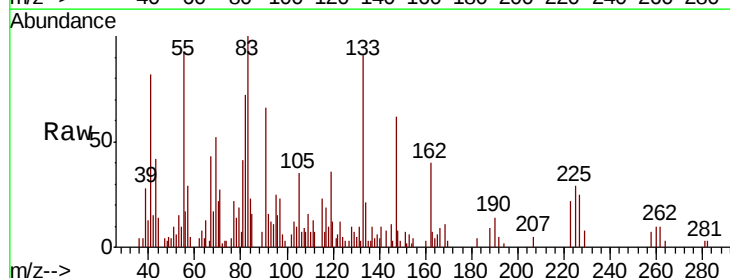
Tgt Ion:225 Resp: 892

Ion Ratio Lower Upper

225 100

223 68.0 30.1 90.5

227 74.8 30.8 92.4

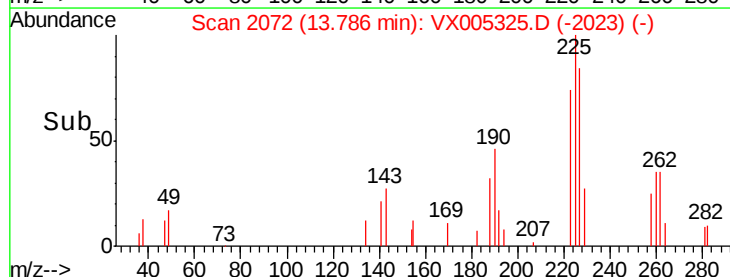
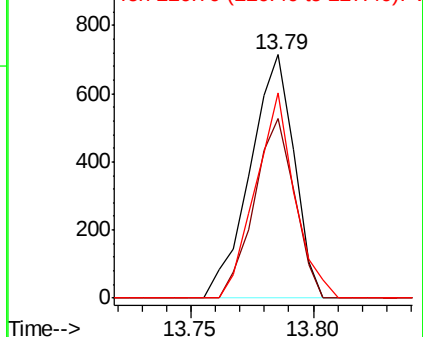


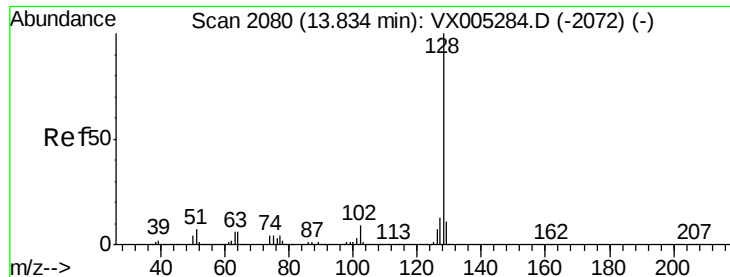
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.356 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

EP1-WS-EP-COMP1DL

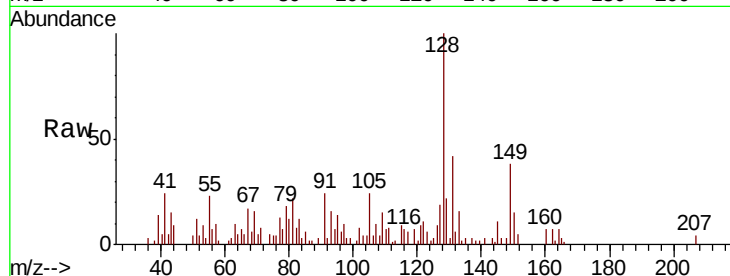
Tot Ion:128 Resp: 4814

Ion Ratio Lower Upper

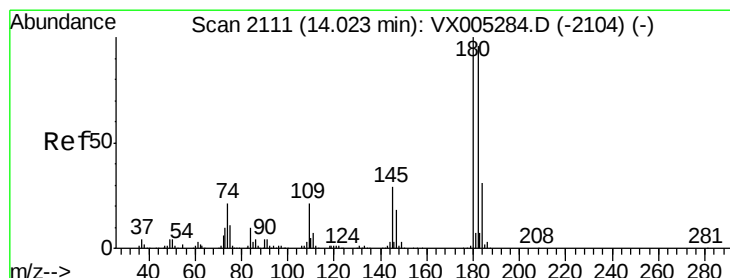
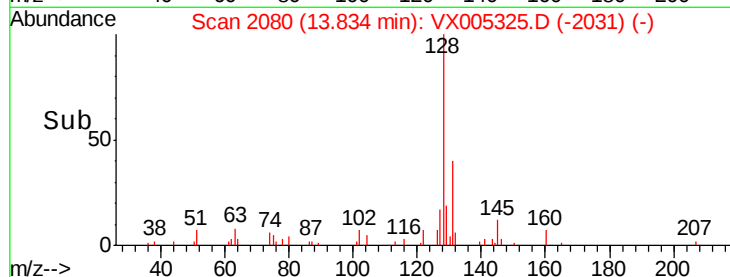
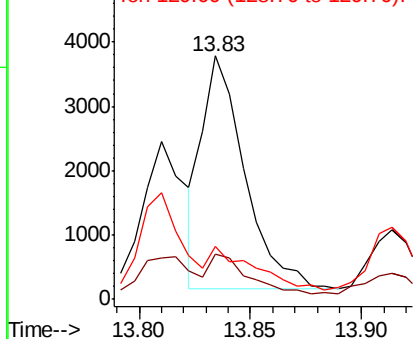
128 100

127 14.4 10.2 15.2

129 0.0 8.6 12.8#



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: 0.363 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005325.D

Acq: 13 Oct 2018 06:17

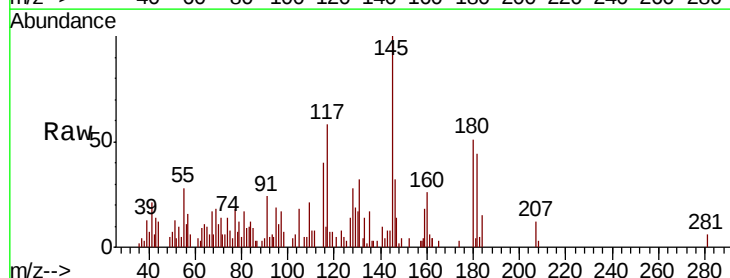
Tgt Ion:180 Resp: 1734

Ion Ratio Lower Upper

180 100

182 91.1 48.5 145.6

145 227.5 14.9 44.9#



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

