

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072020\
 Data File : VX017435.D
 Acq On : 20 Jul 2020 15:42
 Operator : JC/SP
 Sample : L3329-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-16R

Quant Time: Jul 21 02:03:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	240542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	422362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	439443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	166001	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	
35) Dibromofluoromethane	5.47	113	145051	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.70	98	522026	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.12	95	222079	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	

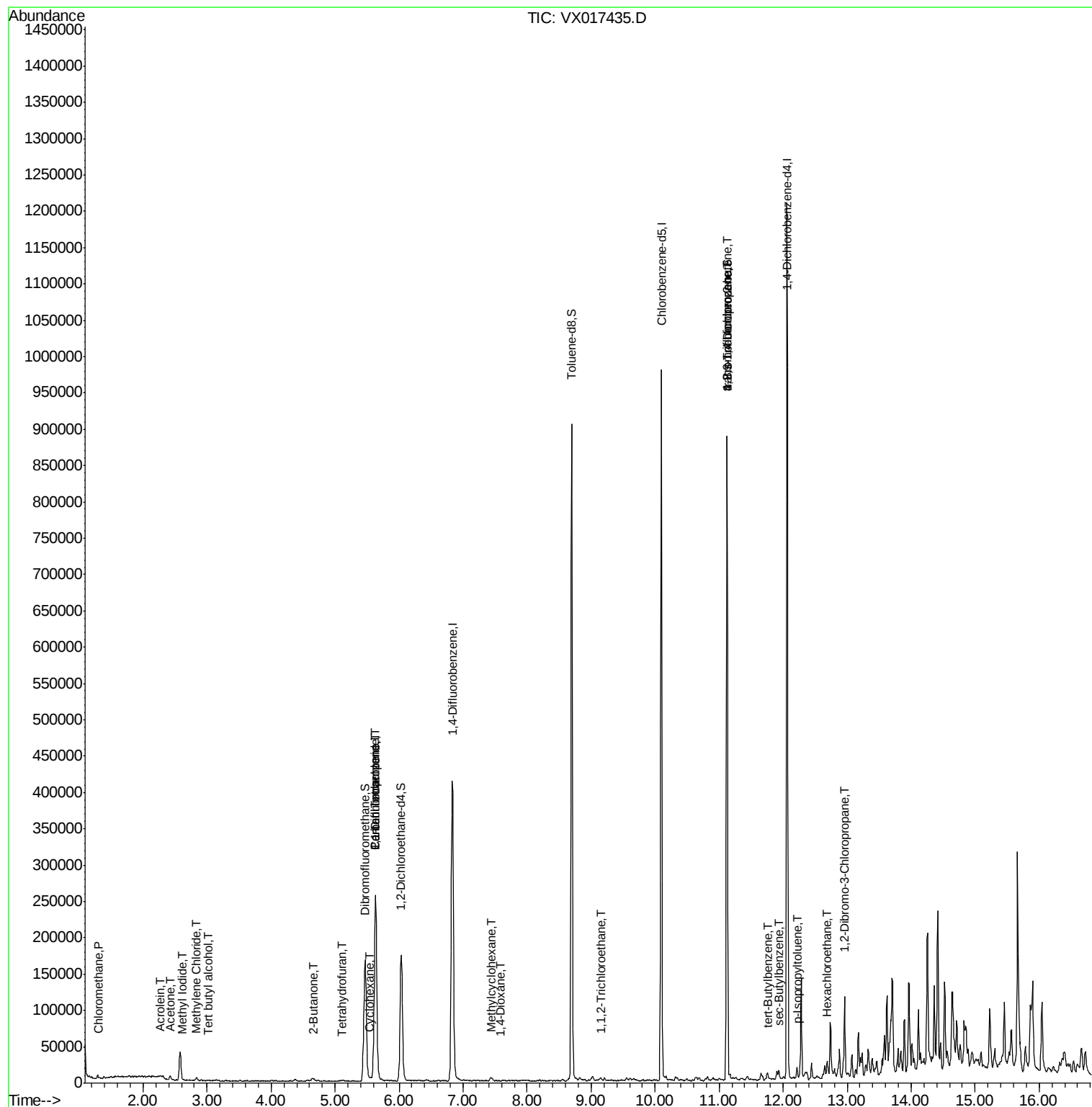
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	650	0.284	ug/l #	68
10) Methyl Iodide	2.62	142	44	2.388	ug/l #	39
11) Tert butyl alcohol	3.02	59	854	1.679	ug/l #	48
13) Acrolein	2.28	56	234	0.839	ug/l #	14
16) Acetone	2.42	43	6665	6.188	ug/l	89
20) Methylene Chloride	2.84	84	1922	0.731	ug/l #	66
25) 2-Butanone	4.66	43	1093	0.639	ug/l #	50
29) Tetrahydrofuran	5.11	42	406	0.367	ug/l #	1
31) Cyclohexane	5.54	56	1390	0.400	ug/l #	76
36) 1,1-Dichloropropene	5.62	75	18197	4.684	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23625	5.194	ug/l #	18
39) Methylcyclohexane	7.43	83	1917	0.454	ug/l	88
49) 1,4-Dioxane	7.59	88	21	0.333	ug/l #	25
55) 1,1,2-Trichloroethane	9.15	97	1088	0.364	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	108520	24.301	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	108520	61.645	ug/l #	11
83) tert-Butylbenzene	11.76	119	3138	0.252	ug/l	77
85) sec-Butylbenzene	11.93	105	5131	0.353	ug/l	95
86) p-Isopropyltoluene	12.22	119	6114	0.444	ug/l	95
90) Hexachloroethane	12.68	117	5291	2.024	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	12.96	75	695	0.573	ug/l #	1

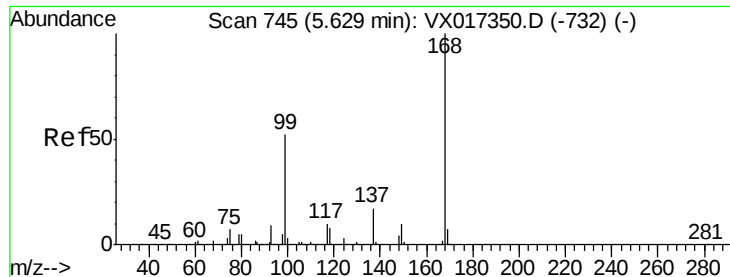
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072020\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 21 02:03:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

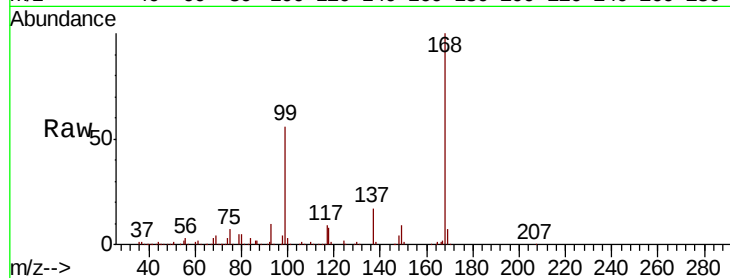
ERM-16R

Tot Ion:168 Resp: 240542

Ion Ratio Lower Upper

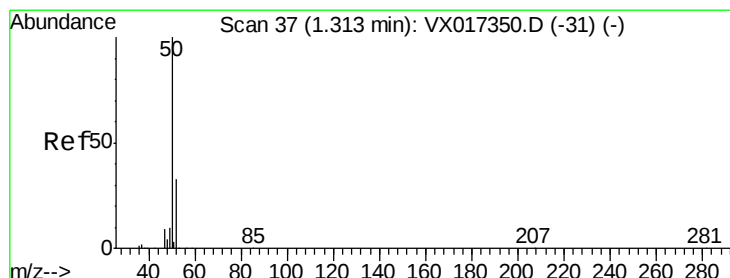
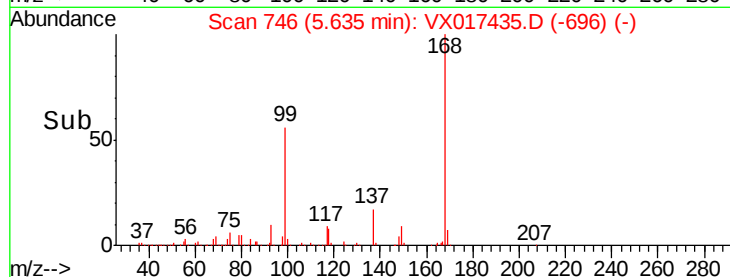
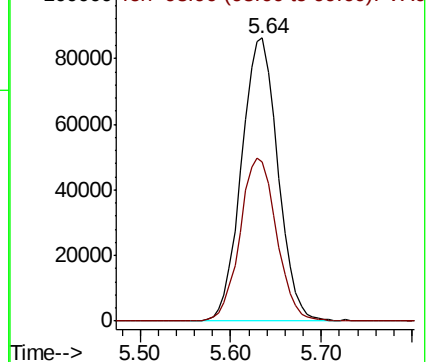
168 100

99 56.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.284 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017435.D

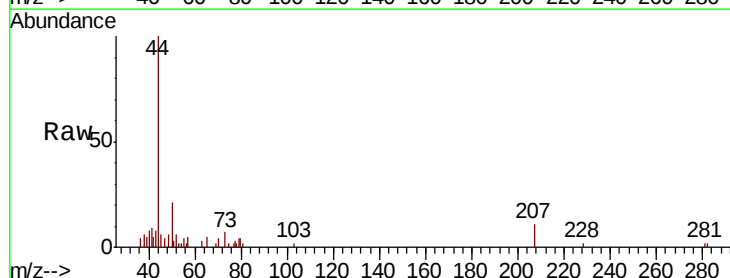
Acq: 20 Jul 2020 15:42

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

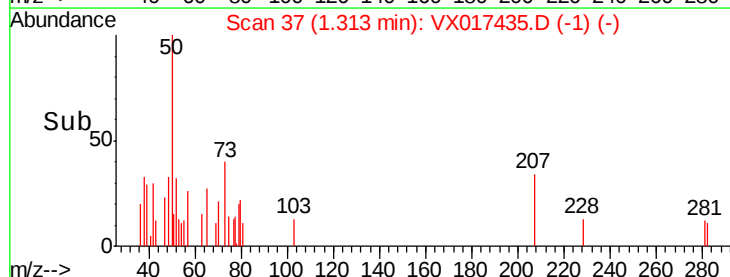
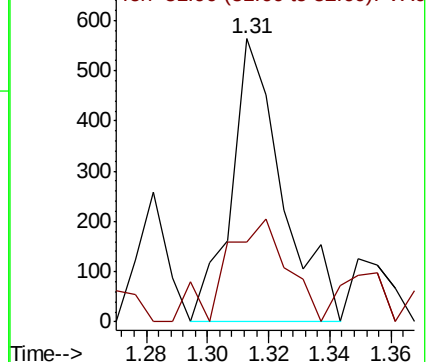
50 100

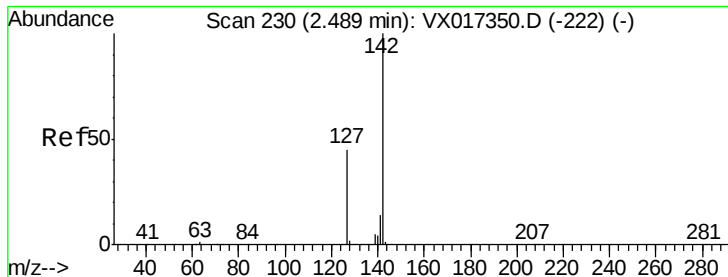
52 15.3 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

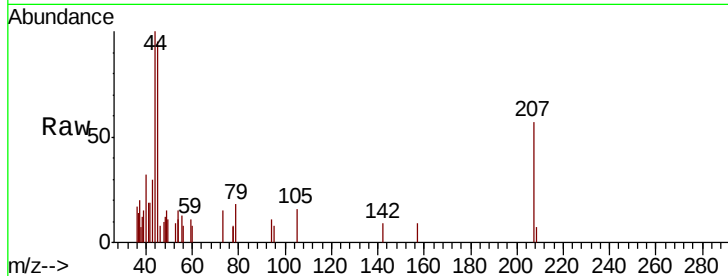




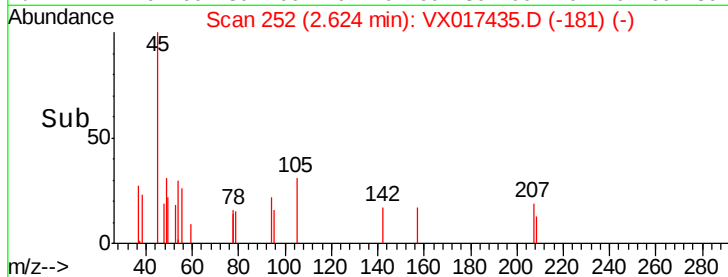
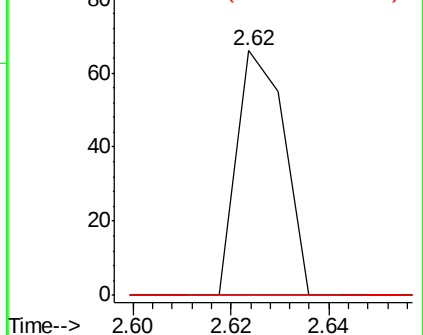
#10
Methyl Iodide
Concen: 2.388 ug/l
RT: 2.62 min Scan# 252
Delta R.T. 0.13 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Instrument :
MSVOA_X
ClientSampleId :
ERM-16R

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.8	55.2#
141	0.0	11.4	17.0#

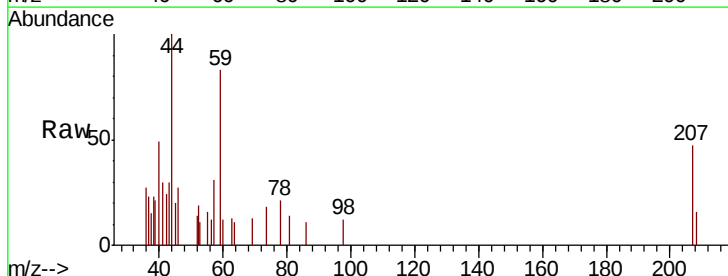
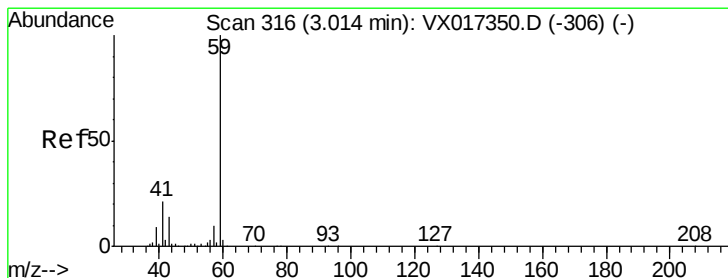


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

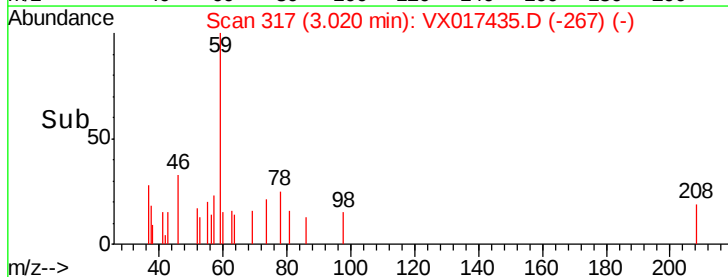
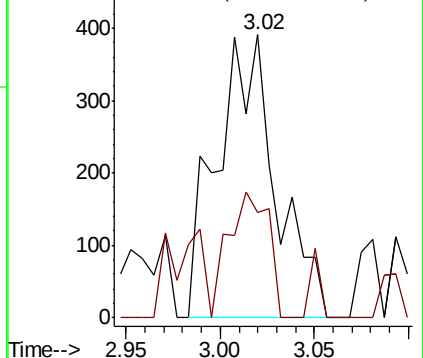


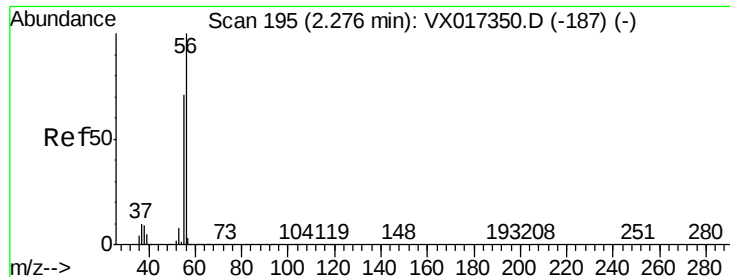
#11
Tert butyl alcohol
Concen: 1.679 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	29.9	8.3	12.5#



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





#13

Acrolein

Concen: 0.839 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampled :

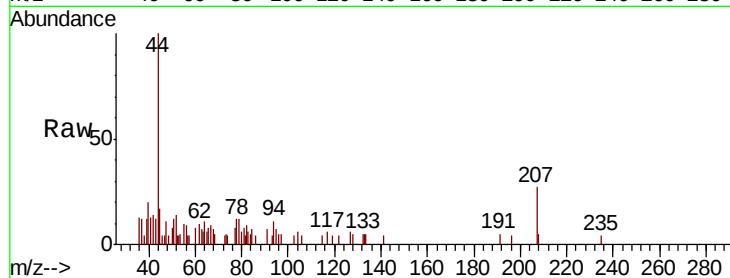
ERM-16R

Tot Ion: 56 Resp: 234

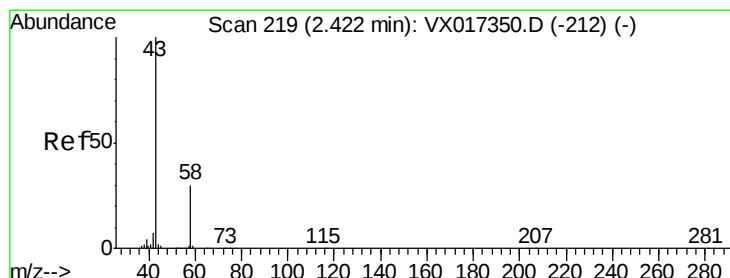
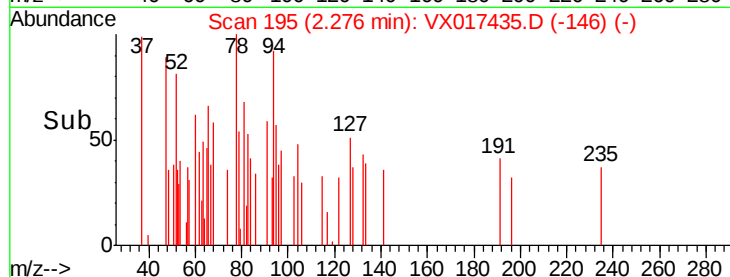
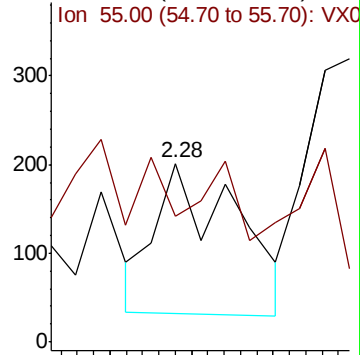
Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 6.188 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017435.D

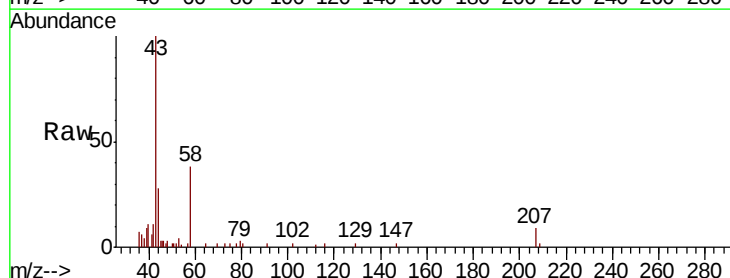
Acq: 20 Jul 2020 15:42

Tgt Ion: 43 Resp: 6665

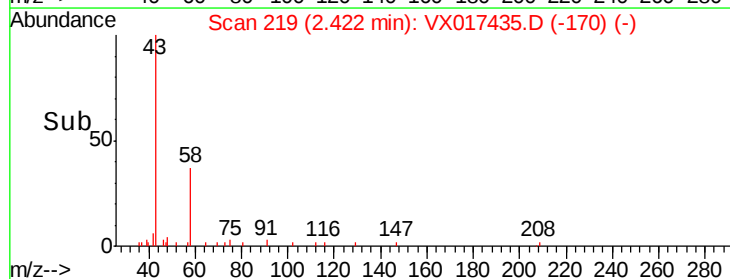
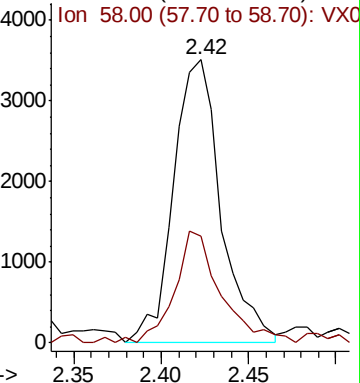
Ion Ratio Lower Upper

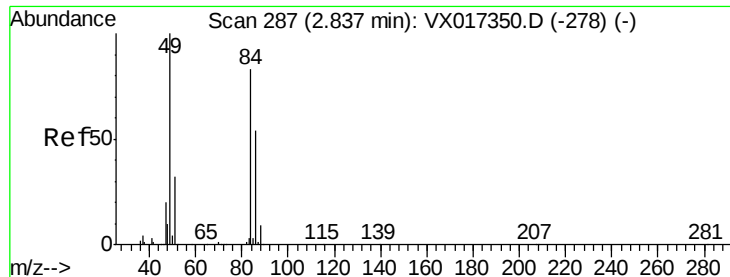
43 100

58 35.9 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

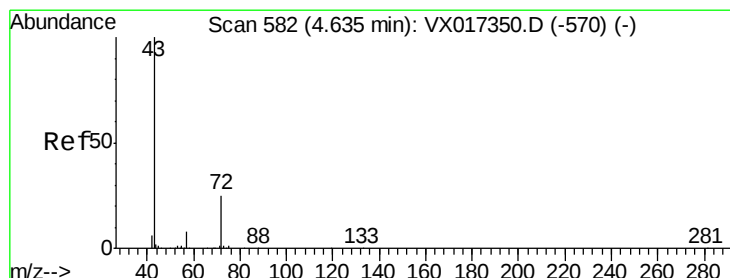
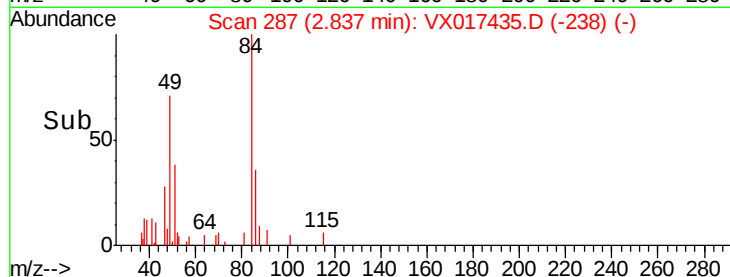
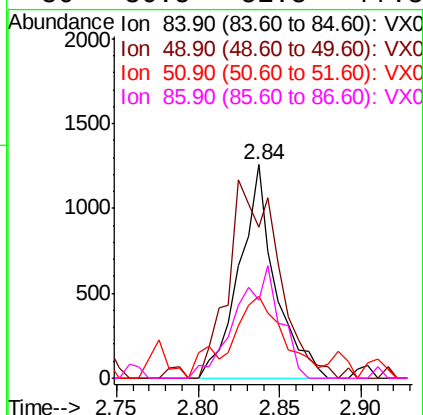
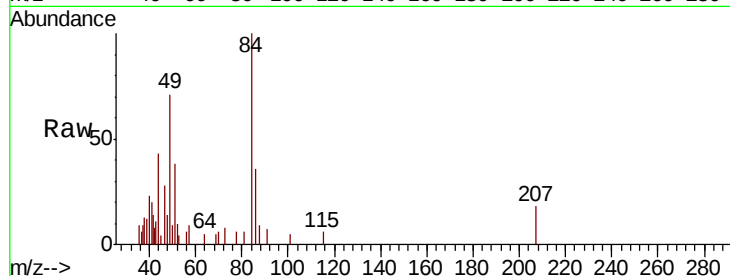




#20
Methvlene Chloride
Concen: 0.731 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

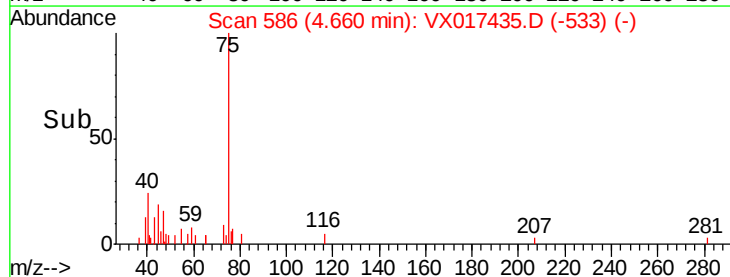
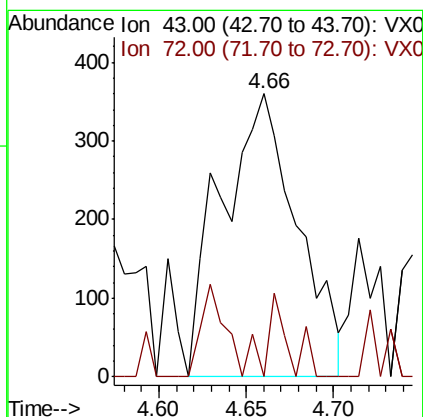
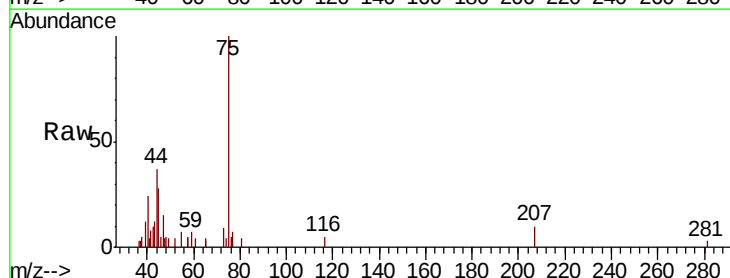
Instrument :
MSVOA_X
ClientSampleId :
ERM-16R

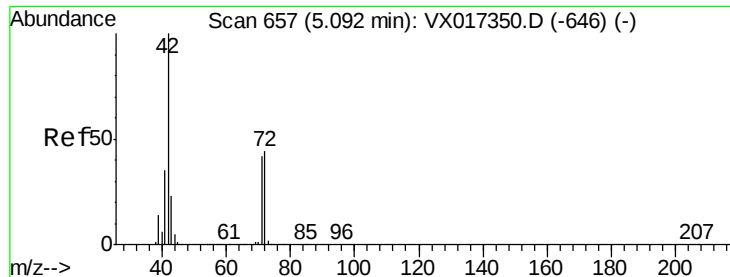
Tot Ion:	84	Resp:	1922
Ion	Ratio	Lower	Upper
84	100		
49	71.0	95.8	143.8#
51	38.1	31.0	46.4
86	36.5	51.8	77.8#



#25
2-Butanone
Concen: 0.639 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion:	43	Resp:	1093
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#

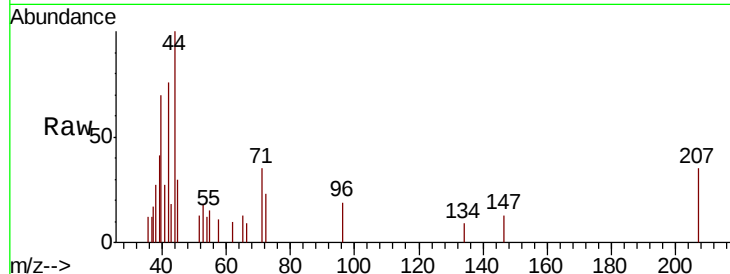




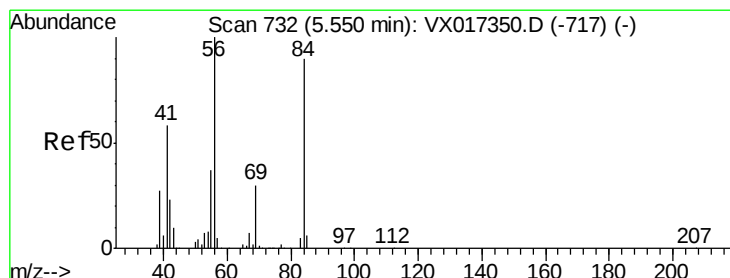
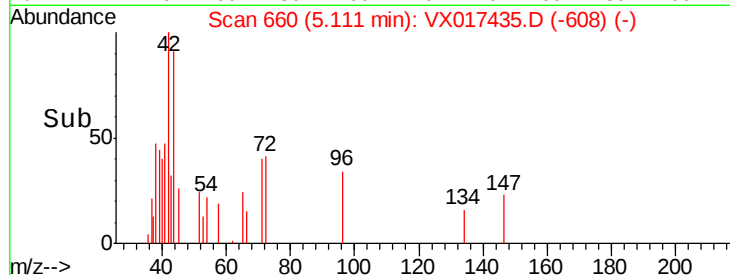
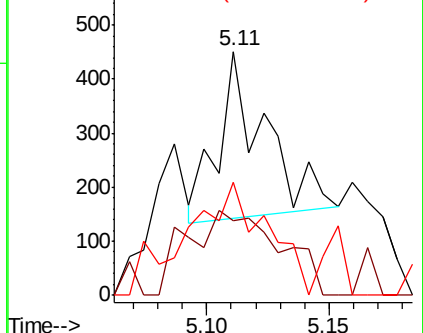
#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Instrument :
MSVOA_X
ClientSampled :
ERM-16R

Tot Ion: 42 Resp: 406
Ion Ratio Lower Upper
42 100
72 101.2 37.2 55.8#
71 118.2 34.4 51.6#

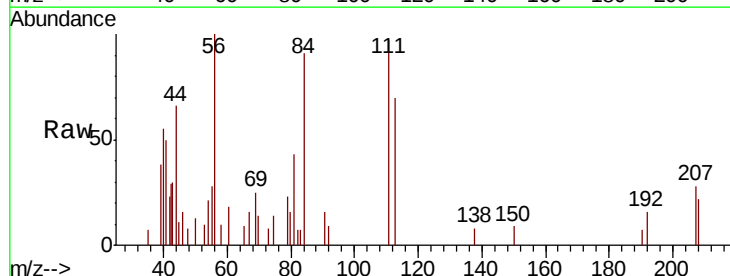


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

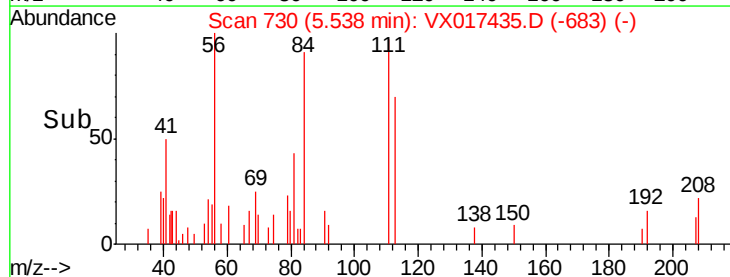
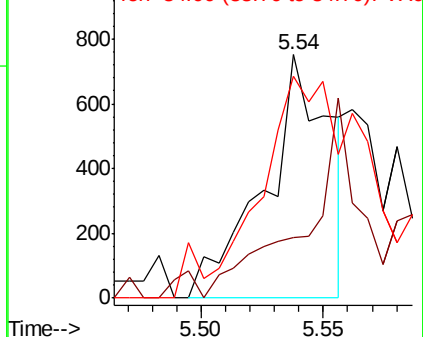


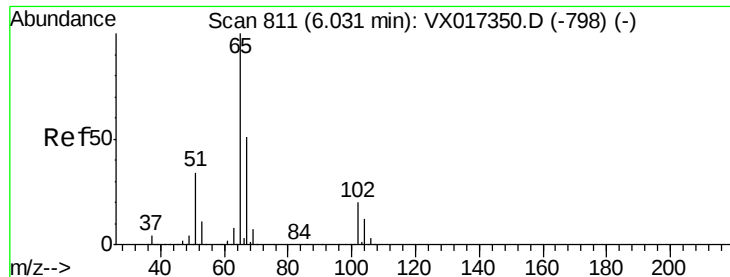
#31
Cyclohexane
Concen: 0.400 ug/l
RT: 5.54 min Scan# 730
Delta R.T. -0.01 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion: 56 Resp: 1390
Ion Ratio Lower Upper
56 100
69 13.7 23.7 35.5#
84 68.5 71.8 107.6#



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





#33

1,2-Dichloroethane-d4

Concen: 54.985 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

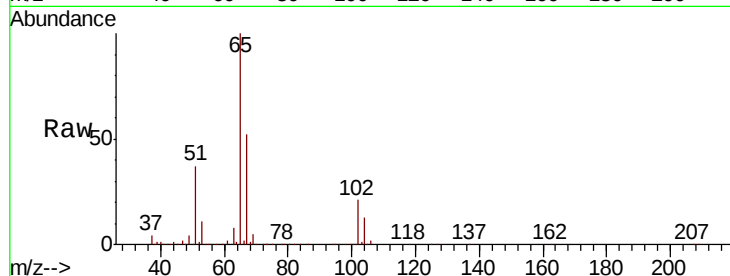
ERM-16R

Tot Ion: 65 Resp: 166001

Ion Ratio Lower Upper

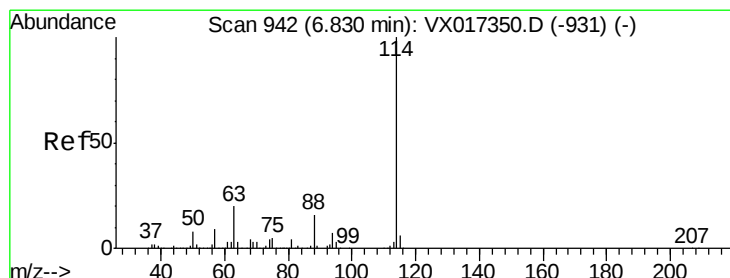
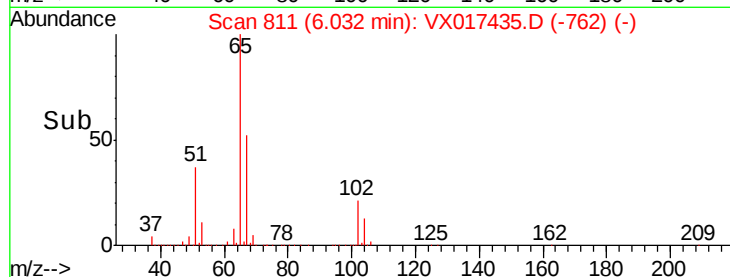
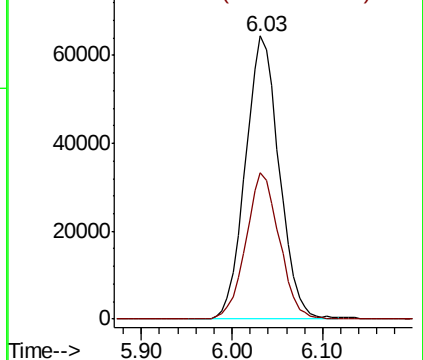
65 100

67 51.1 0.0 101.6



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

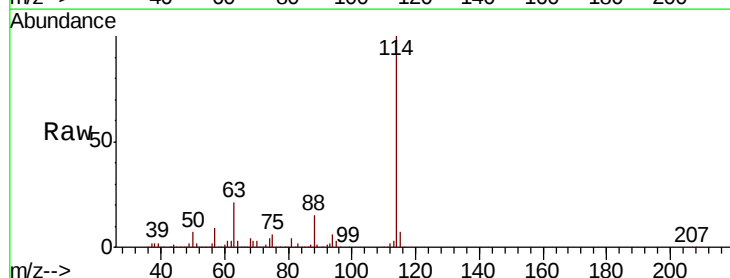
Tgt Ion: 114 Resp: 422362

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

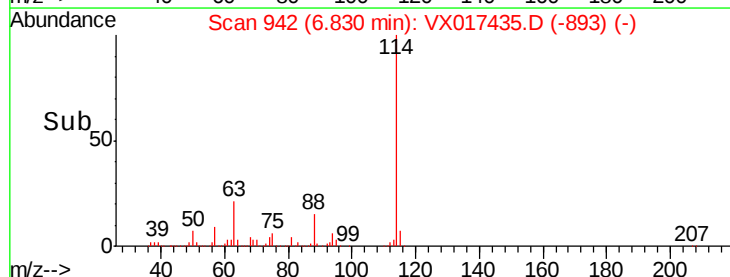
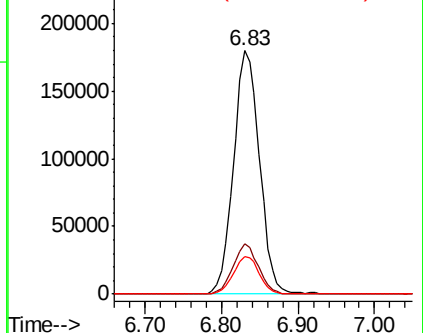
88 15.4 0.0 32.8

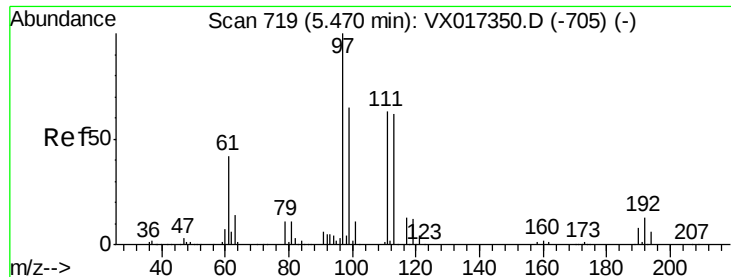


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

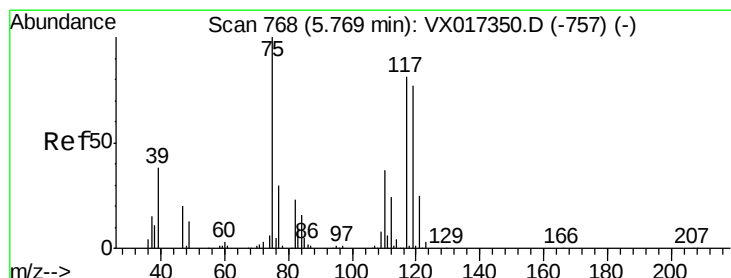
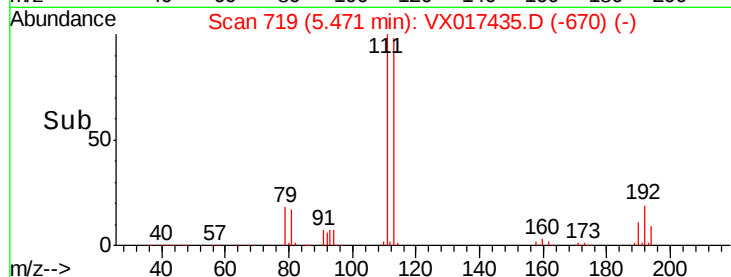
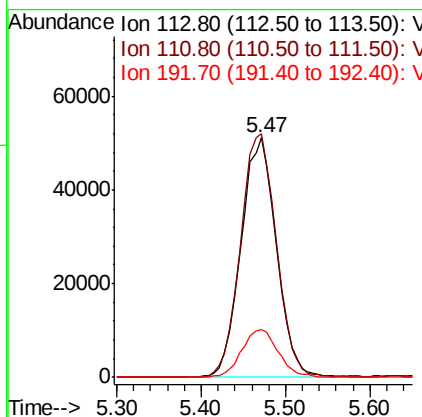
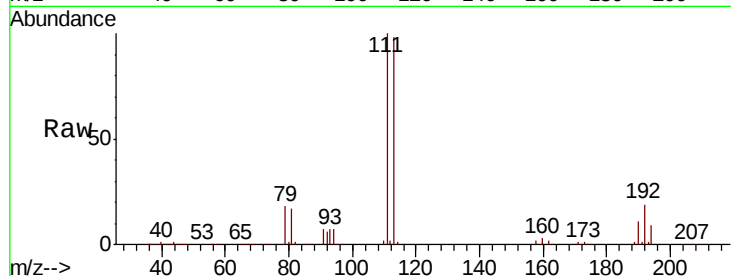




#35
 Dibromofluoromethane
 Concen: 50.983 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017435.D
 Acq: 20 Jul 2020 15:42

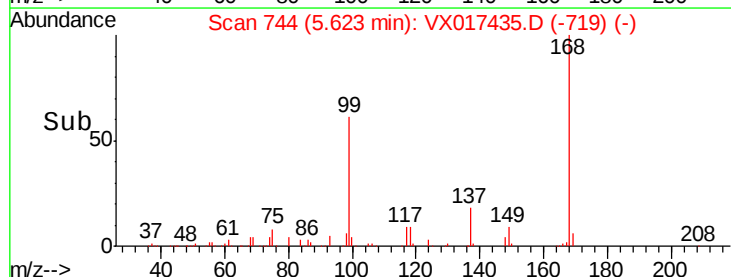
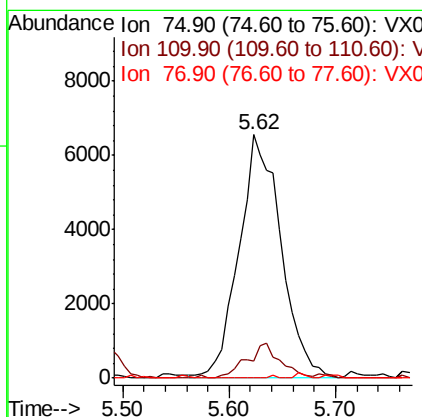
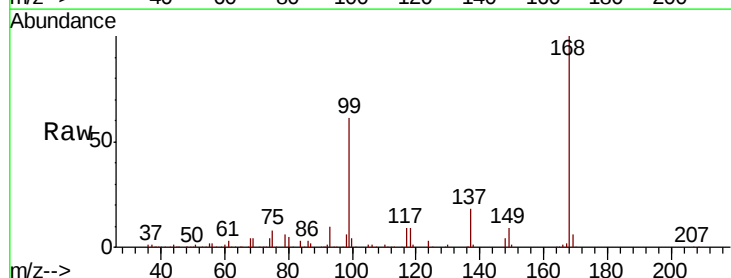
Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-16R

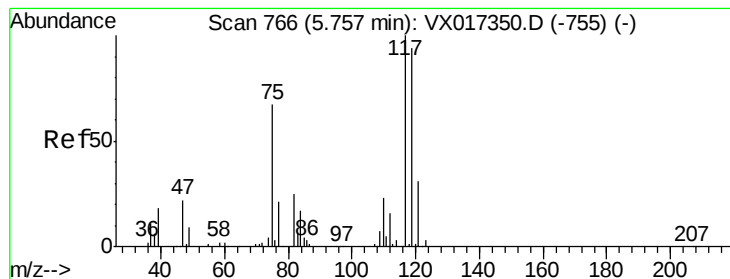
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	20.5	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017435.D
 Acq: 20 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.6	55.8#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.194 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

ERM-16R

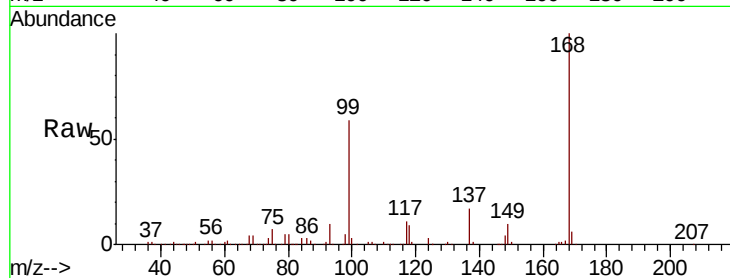
Tot Ion:117 Resp: 23625

Ion Ratio Lower Upper

117 100

119 6.8 74.7 112.1#

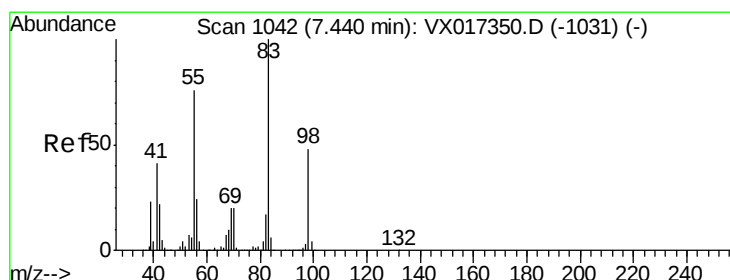
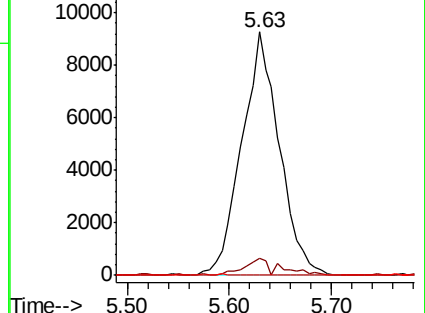
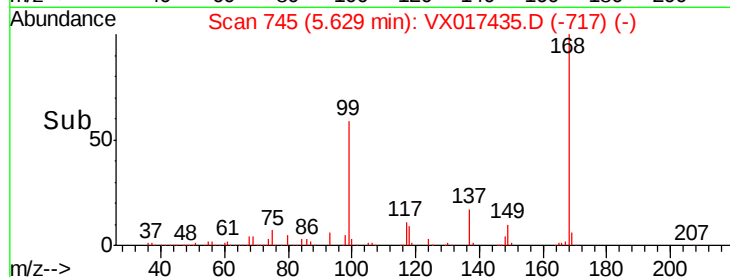
121 0.0 24.5 36.7#



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



#39

Methylcyclohexane

Concen: 0.454 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

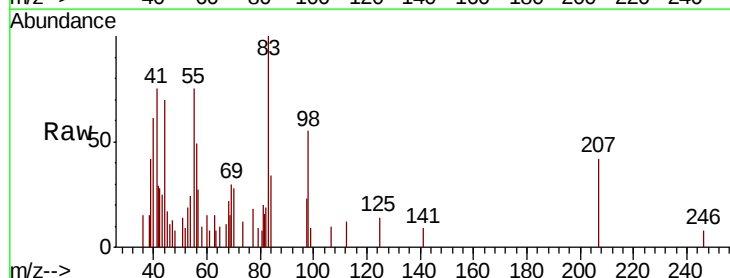
Tgt Ion: 83 Resp: 1917

Ion Ratio Lower Upper

83 100

55 65.5 61.2 91.8

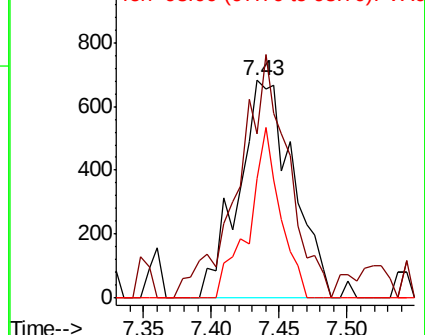
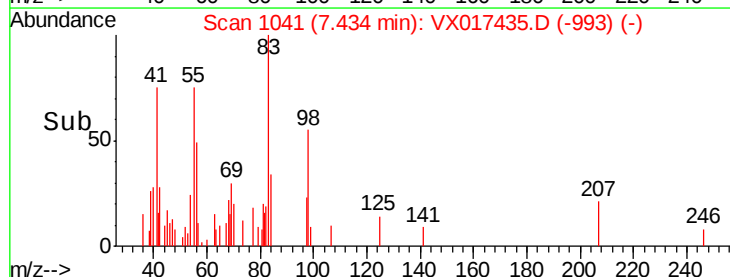
98 55.1 38.1 57.1

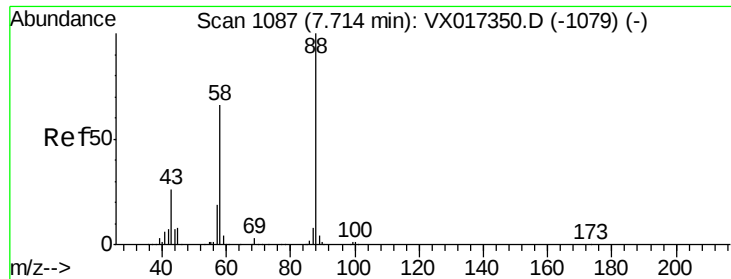


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

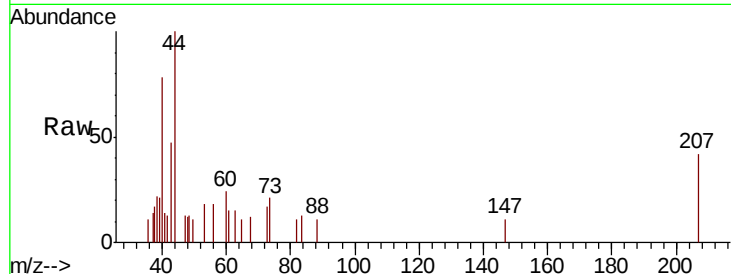




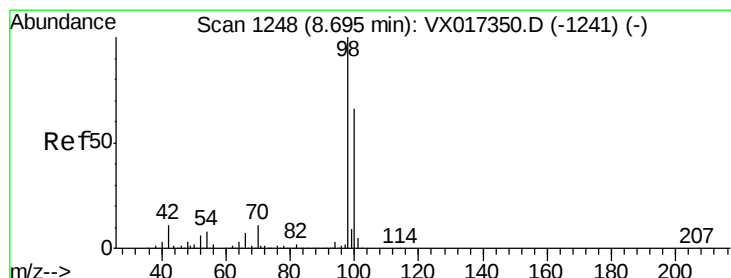
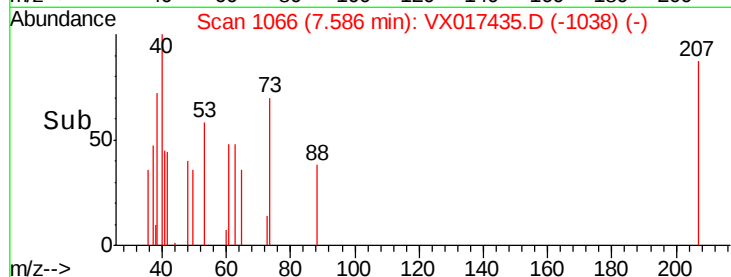
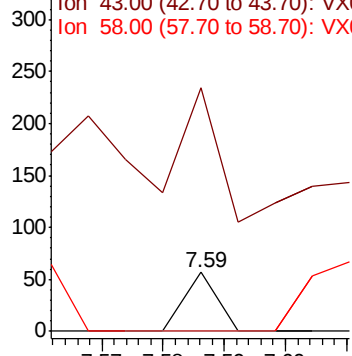
#49
1,4-Dioxane
Concen: 0.333 ug/l
RT: 7.59 min Scan# 1066
Delta R.T. -0.13 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Instrument :
MSVOA_X
ClientSampled :
ERM-16R

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 25.6 38.4#
58 0.0 53.9 80.9#

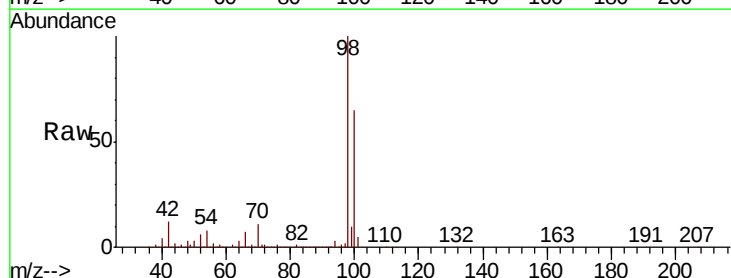


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

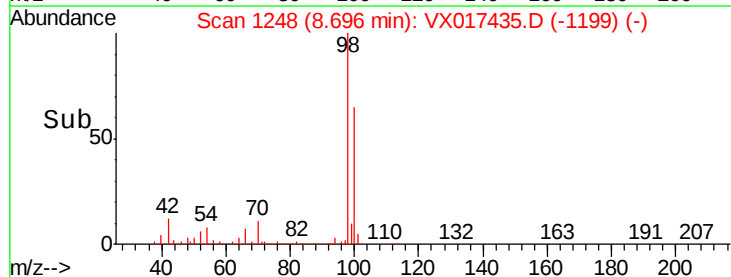
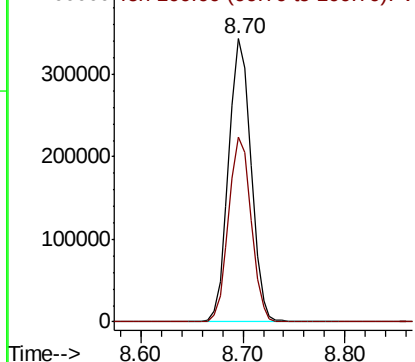


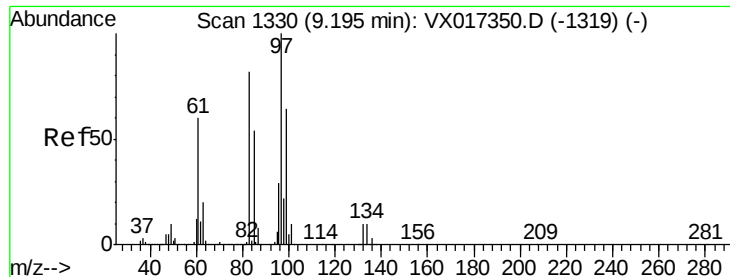
#50
Toluene-d8
Concen: 50.866 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion: 98 Resp: 522026
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.2



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

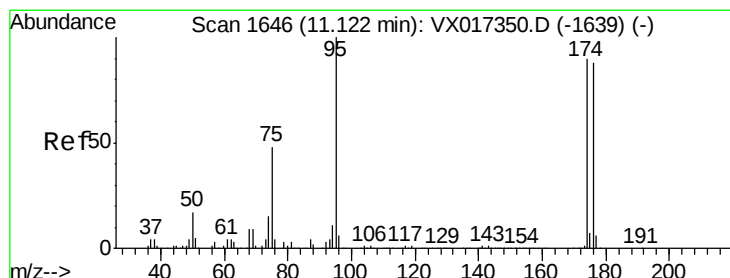
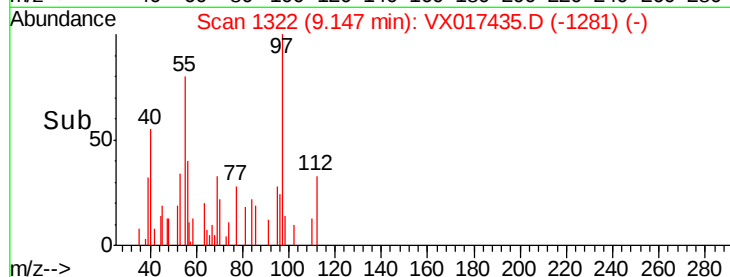
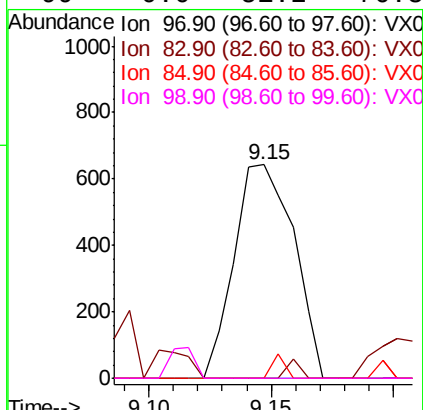
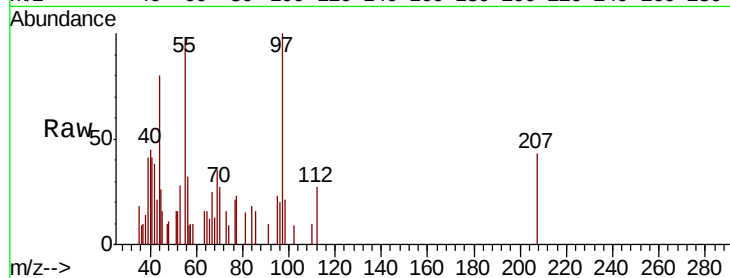




#55
 1,1,2-Trichloroethane
 Concen: 0.364 ug/l
 RT: 9.15 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: VX017435.D
 Acq: 20 Jul 2020 15:42

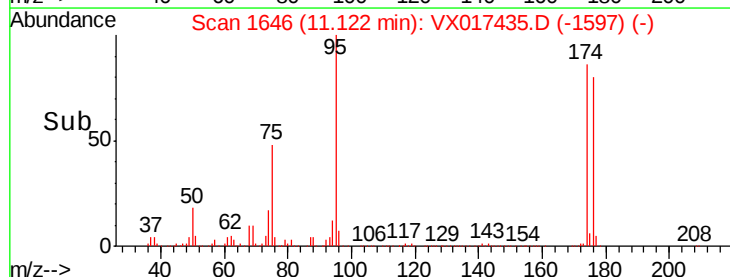
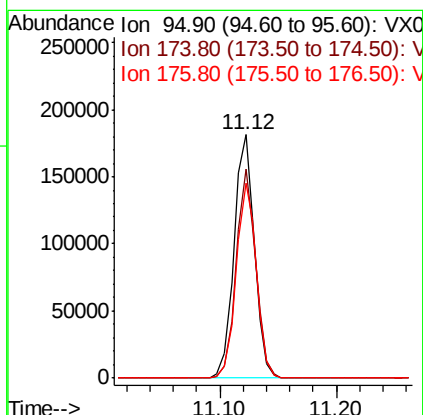
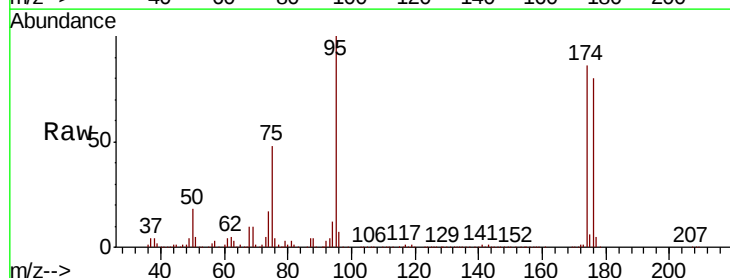
Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-16R

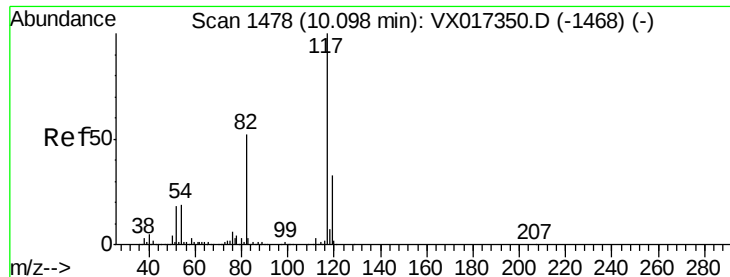
Tot Ion:	97	Resp:	1088
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.6#
85	0.0	42.8	64.2#
99	0.0	51.2	76.8#



#62
 4-Bromofluorobenzene
 Concen: 54.478 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017435.D
 Acq: 20 Jul 2020 15:42

Tgt Ion:	95	Resp:	222079
Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	175.8
176	79.3	0.0	164.6

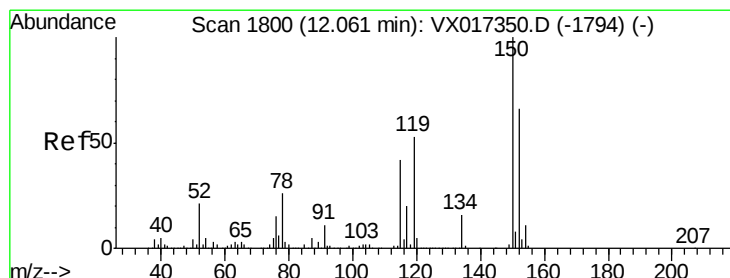
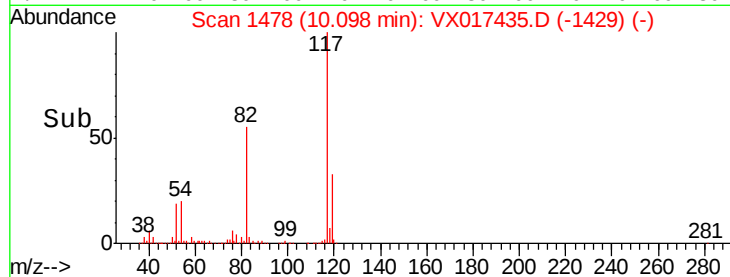
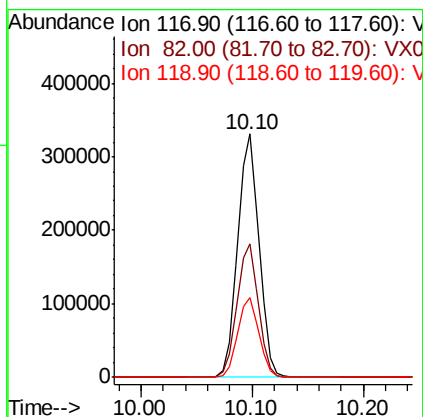
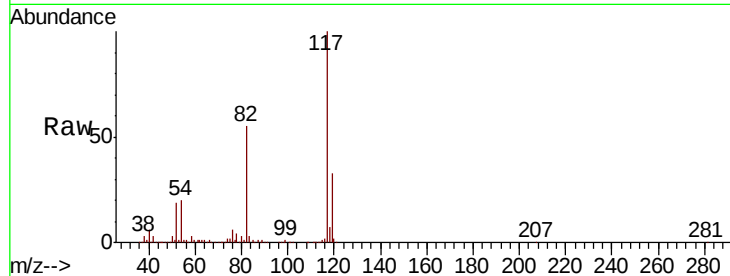




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

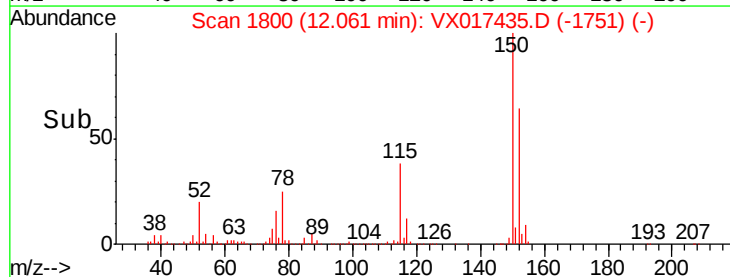
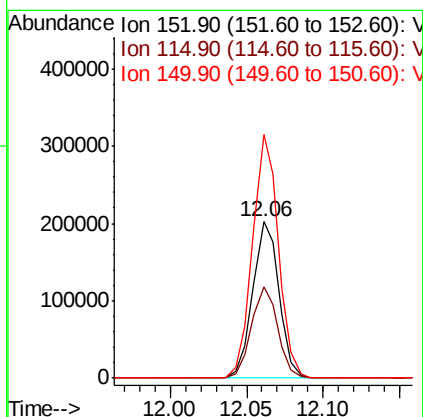
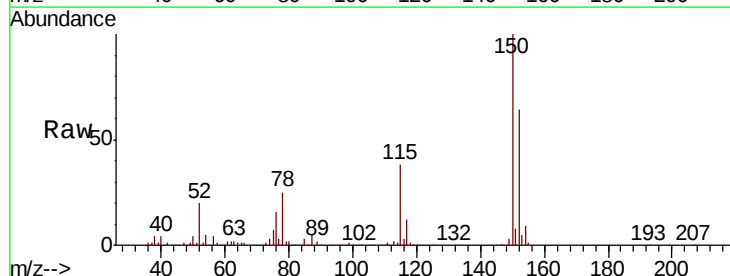
Instrument :
MSVOA_X
ClientSampleId :
ERM-16R

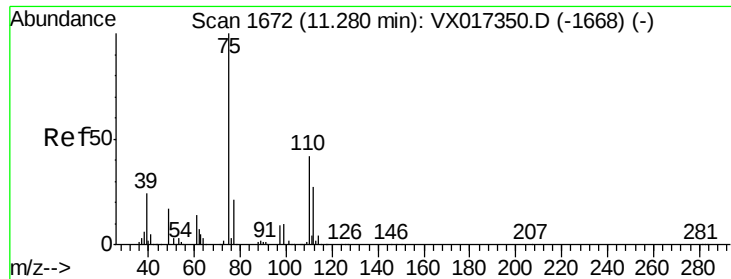
Tot Ion:117 Resp: 439443
Ion Ratio Lower Upper
117 100
82 54.9 42.0 63.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion:152 Resp: 241675
Ion Ratio Lower Upper
152 100
115 58.3 39.9 119.7
150 153.2 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 24.301 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

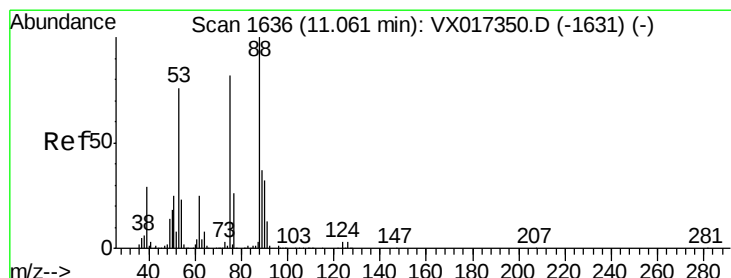
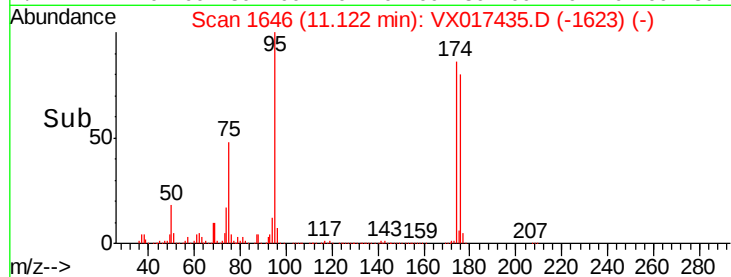
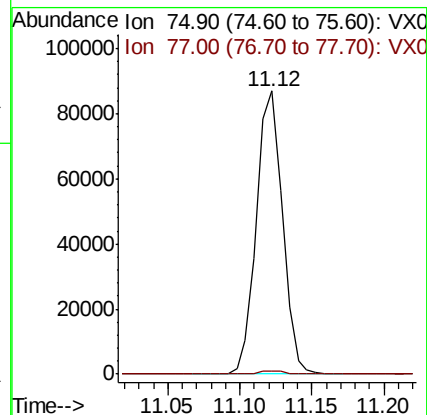
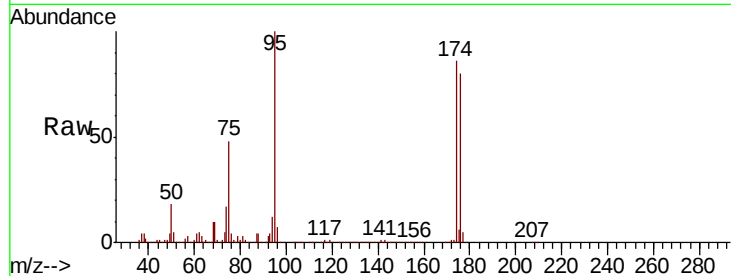
ERM-16R

Tot Ion: 75 Resp: 108520

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.645 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

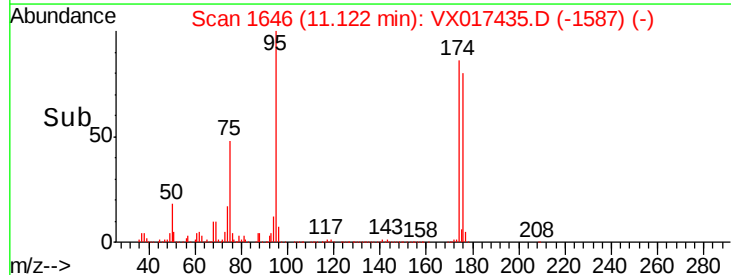
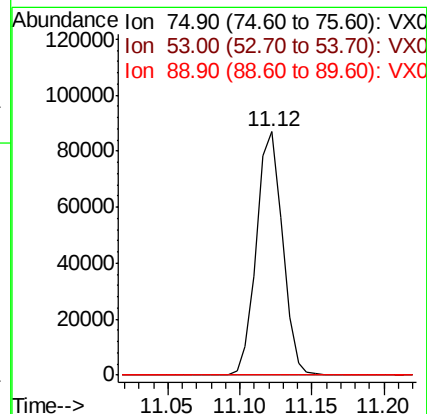
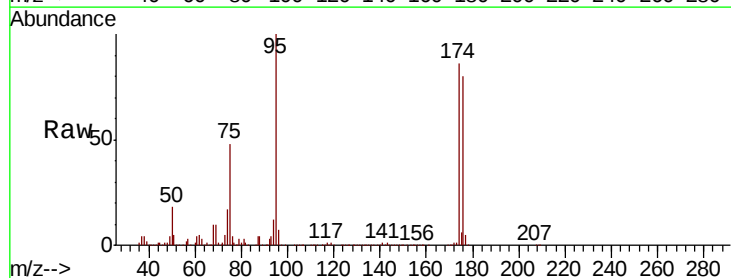
Tgt Ion: 75 Resp: 108520

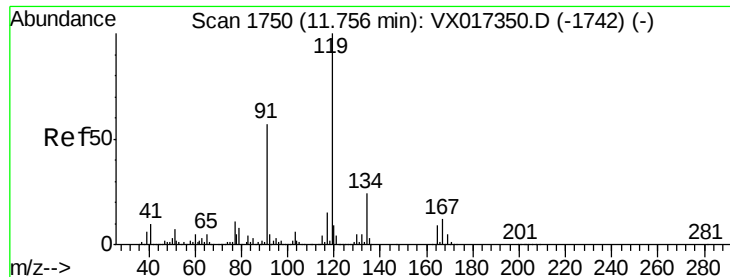
Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.1 38.1 57.1#

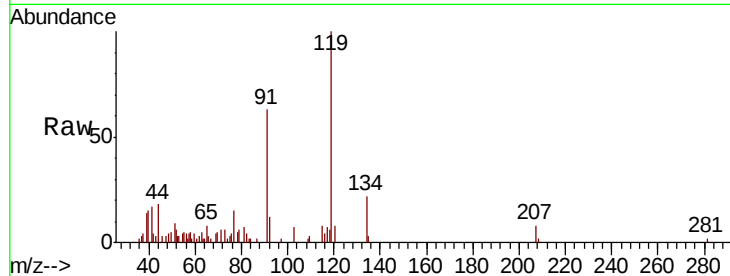




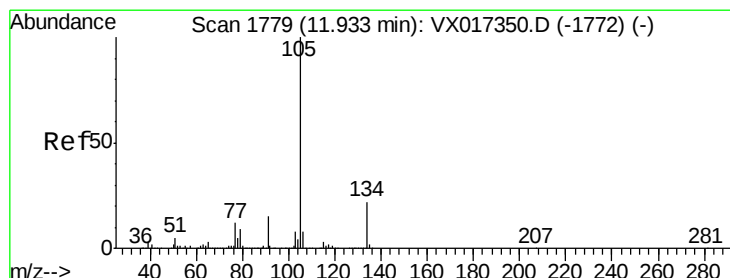
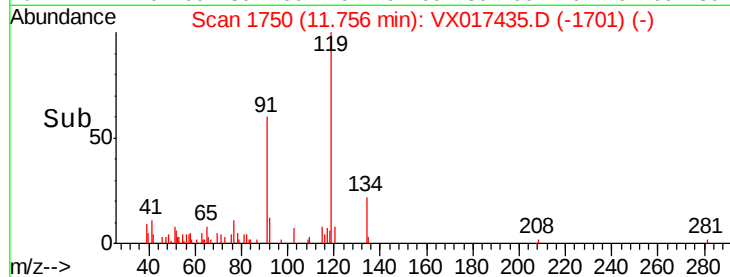
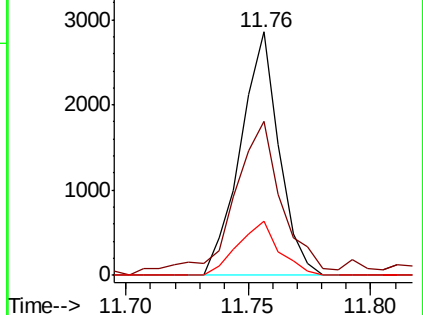
#83
tert-Butylbenzene
Concen: 0.252 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Instrument :
MSVOA_X
ClientSampleId :
ERM-16R

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.9	28.5	85.6
134	23.6	11.9	35.9

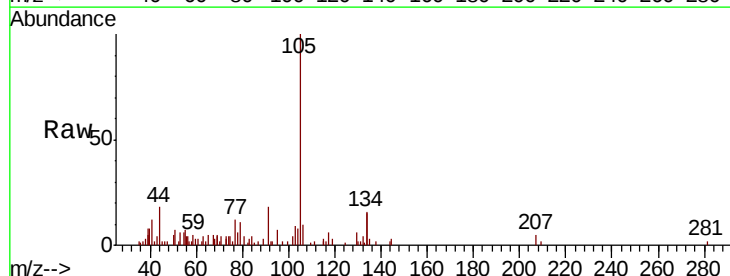


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

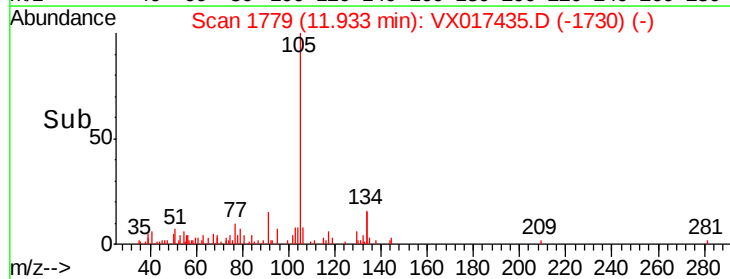
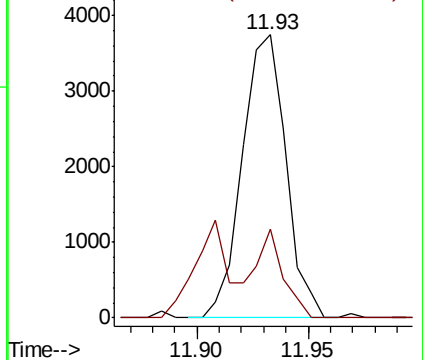


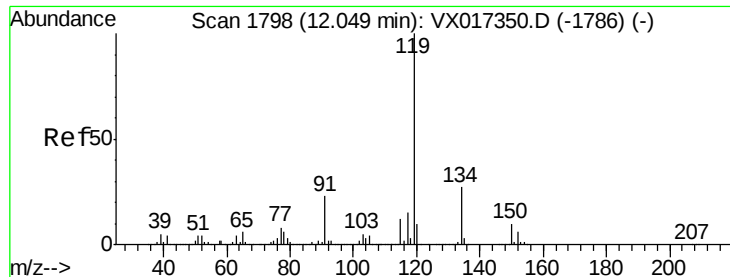
#85
sec-Butylbenzene
Concen: 0.353 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.5	31.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

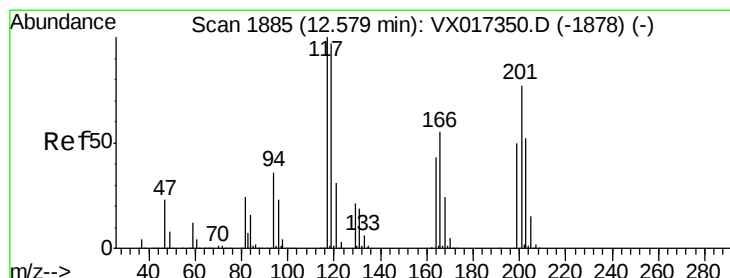
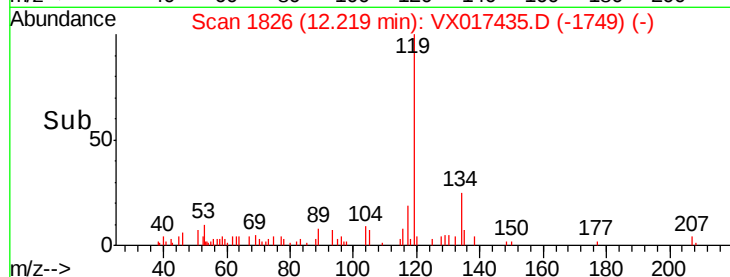
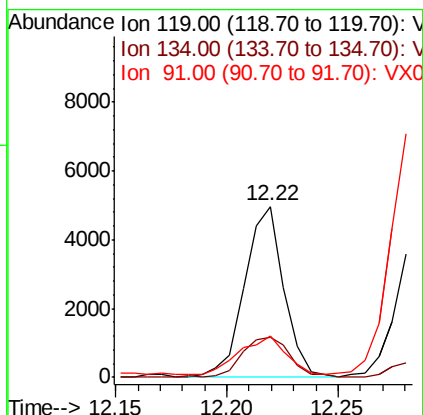
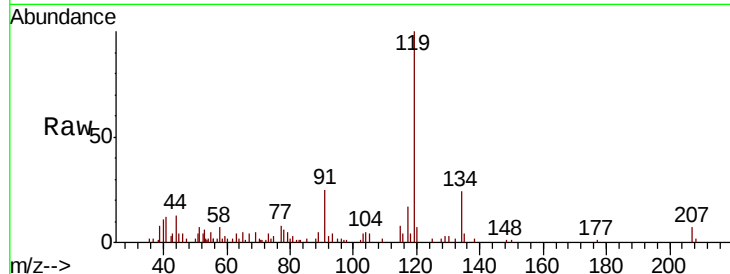




#86
p-Isopropyltoluene
Concen: 0.444 ug/l
RT: 12.22 min Scan# 1826
Delta R.T. 0.17 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

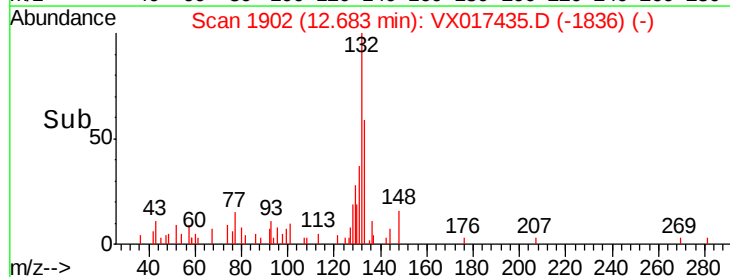
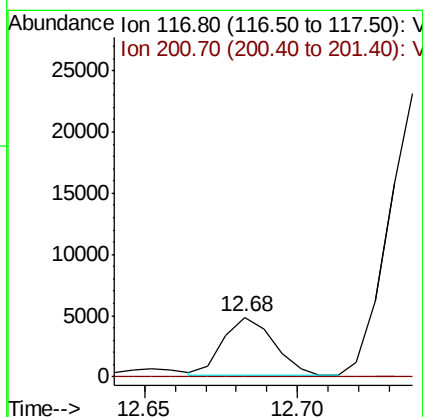
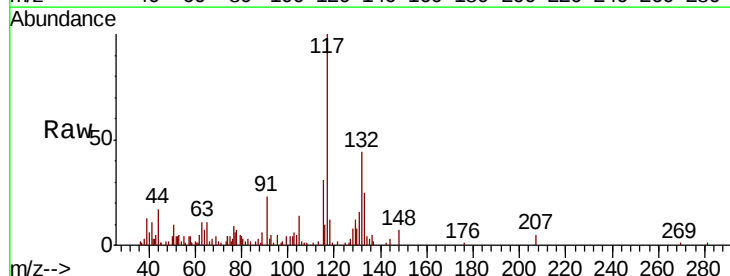
Instrument :
MSVOA_X
ClientSampleId :
ERM-16R

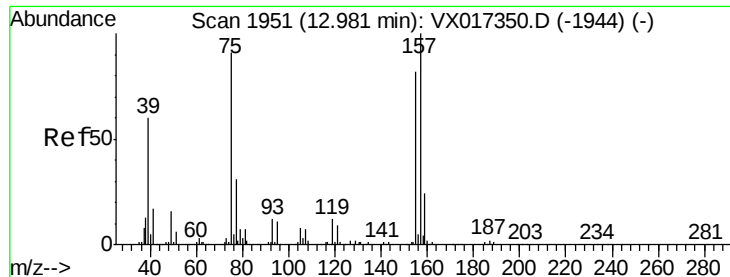
Tot Ion:119 Resp: 6114
Ion Ratio Lower Upper
119 100
134 28.6 13.5 40.5
91 27.0 11.8 35.3



#90
Hexachloroethane
Concen: 2.024 ug/l
RT: 12.68 min Scan# 1902
Delta R.T. 0.10 min
Lab File: VX017435.D
Acq: 20 Jul 2020 15:42

Tgt Ion:117 Resp: 5291
Ion Ratio Lower Upper
117 100
201 0.0 41.0 123.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.573 ug/l

RT: 12.96 min Scan# 1948

Delta R.T. -0.02 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

ERM-16R

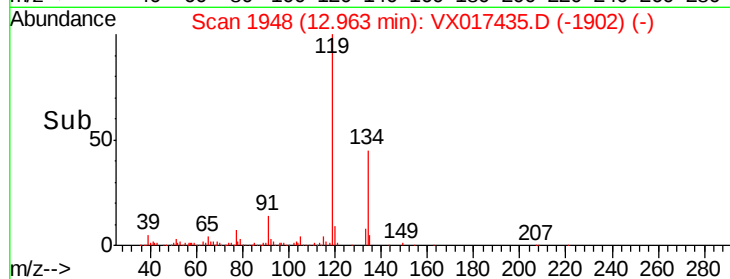
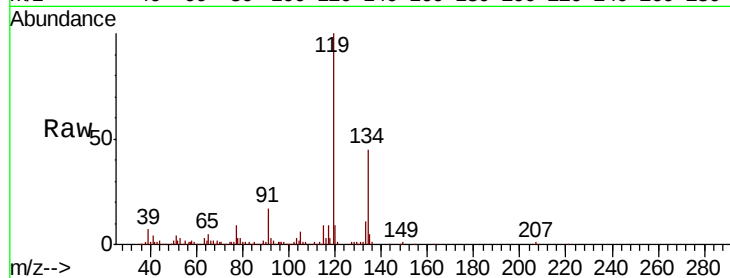
Tot Ion: 75 Resp: 695

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.3#

157 0.0 58.0 173.9#



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

Time-->