

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX017001.D
 Acq On : 27 Jun 2020 00:03
 Operator : JC/SP
 Sample : L3146-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	55450	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	289540	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	270593	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	128060	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.12	95	124195	27.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.73%
63) Toluene-d8	8.70	98	341711	28.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.50%

Target Compounds

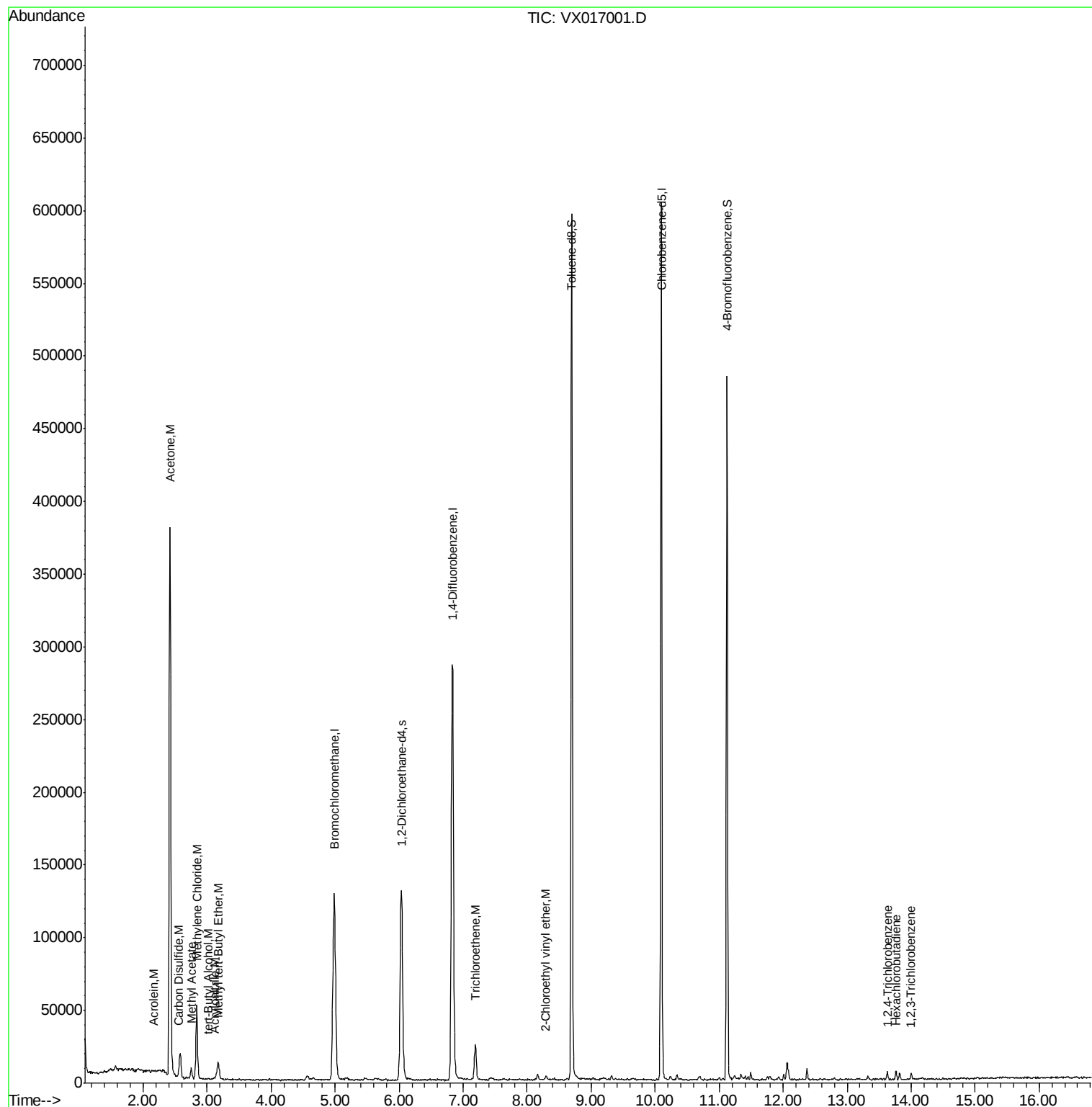
					Ovalue
12) Methyl Acetate	2.75	43	8413	2.101	ug/l 93
13) Acrolein	2.17	56	207	0.328	ug/l 93
14) Acrylonitrile	3.12	53	964	0.508	ug/l 82
15) Acetone	2.42	58	128554	261.935	ug/l 99
16) Carbon Disulfide	2.55	76	3494	0.350	ug/l # 84
18) Methylene Chloride	2.84	84	22547	5.897	ug/l 96
23) tert-Butyl Alcohol	3.02	59	278	0.331	ug/l # 82
24) Methyl tert-Butyl Ether	3.17	73	12179	1.075	ug/l 99
37) Trichloroethene	7.19	130	8512	2.271	ug/l 89
55) 2-Chloroethyl vinyl ether	8.29	63	955	0.344	ug/l # 79
89) 1,2,4-Trichlorobenzene	13.63	180	1305	0.283	ug/l 98
90) Hexachlorobutadiene	13.77	225	862	0.492	ug/l 86
92) 1,2,3-Trichlorobenzene	14.01	180	1218	0.271	ug/l 91

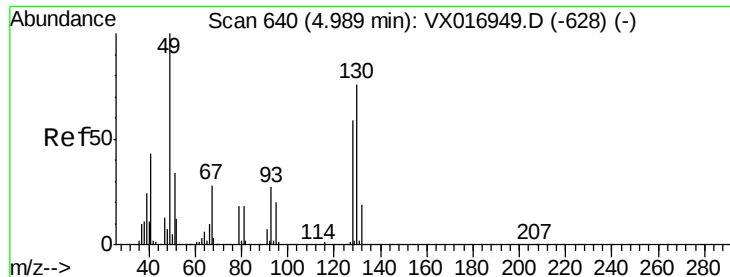
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jun 27 02:43:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. -0.00 min

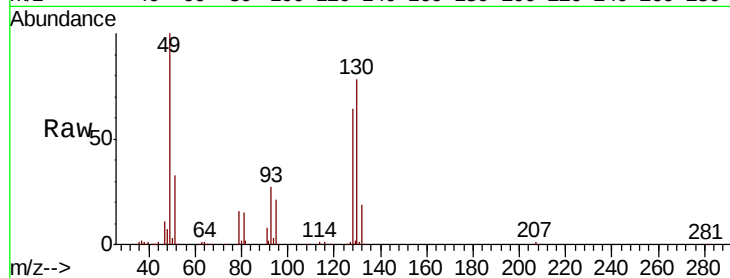
Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 55450

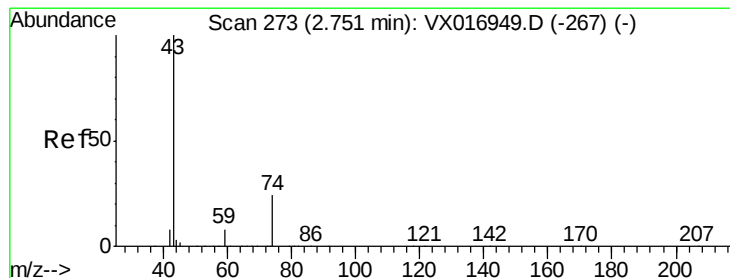
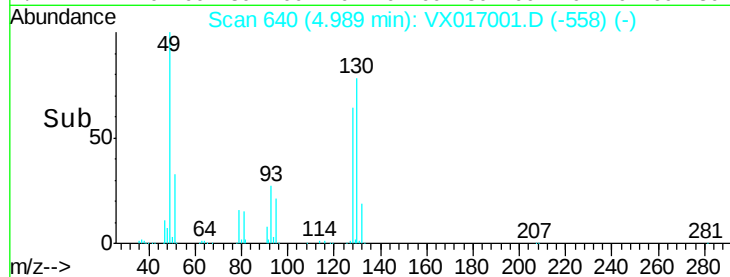
Ion	Ratio	Lower	Upper
128	100		
49	164.2	0.0	428.0
130	126.3	0.0	318.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 2.101 ug/l

RT: 2.75 min Scan# 273

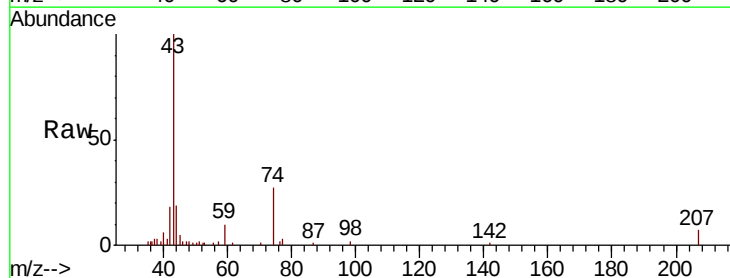
Delta R.T. -0.00 min

Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

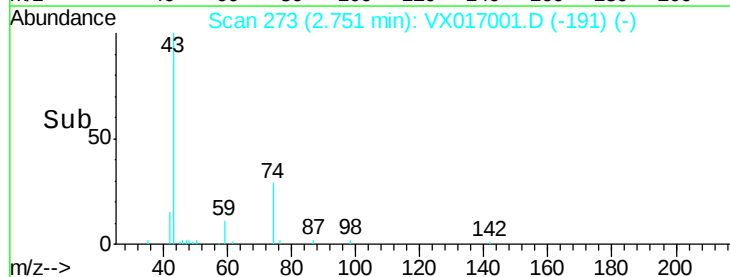
Tgt Ion: 43 Resp: 8413

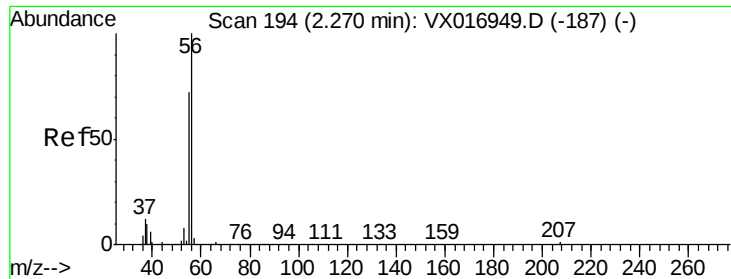
Ion	Ratio	Lower	Upper
43	100		
74	27.3	19.1	28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 0.328 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.10 min

Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

Instrument :

MSVOA_X

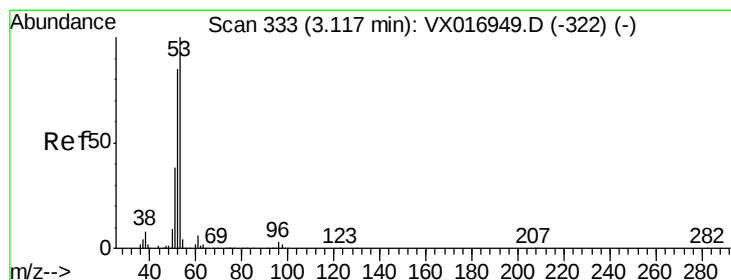
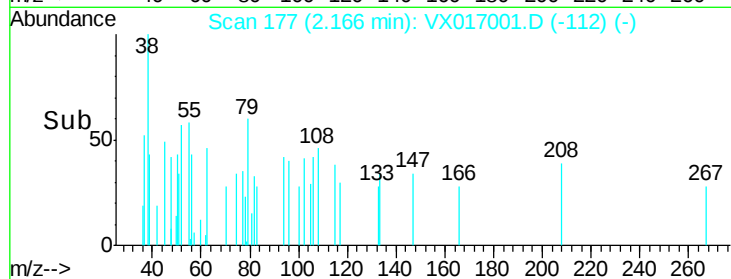
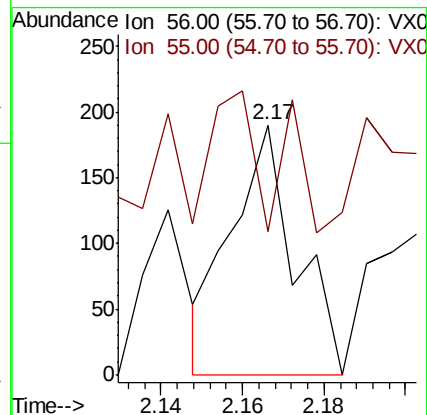
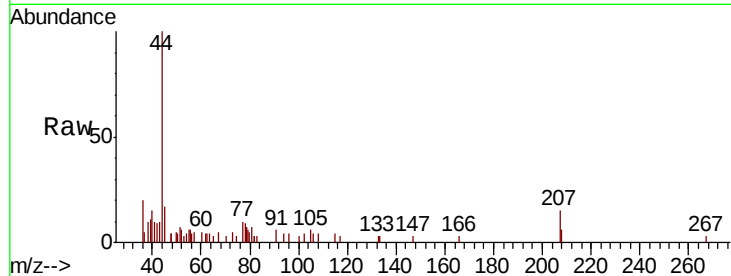
ClientSampled :

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 76.3 56.2 84.4



#14

Acrylonitrile

Concen: 0.508 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

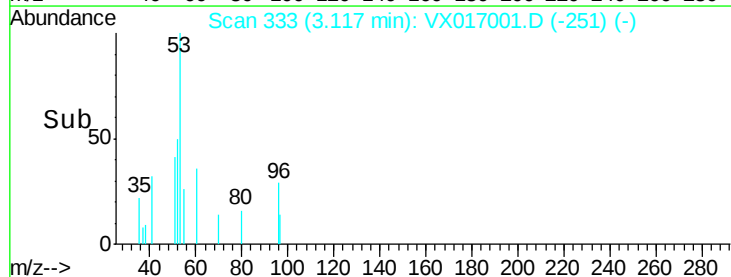
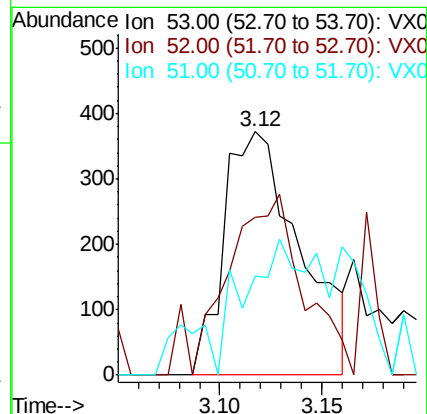
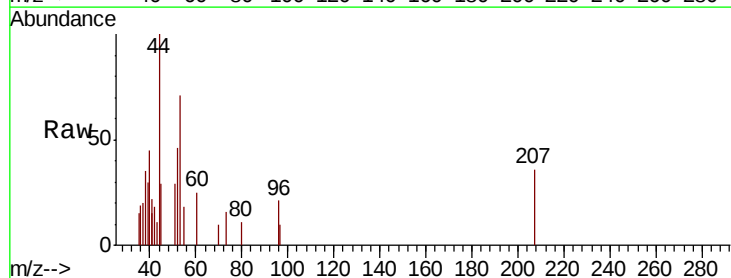
Tgt Ion: 53 Resp: 964

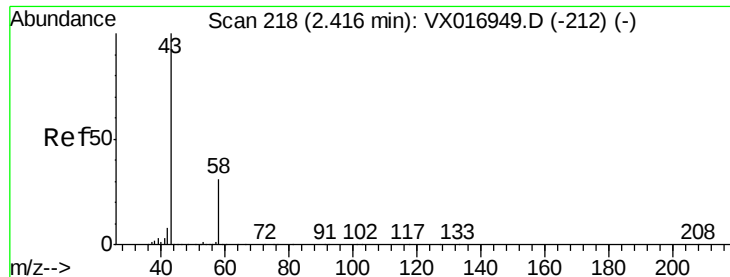
Ion Ratio Lower Upper

53 100

52 62.0 40.6 121.8

51 31.4 18.4 55.4





#15

Acetone

Concen: 261.935 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

Instrument :

MSVOA_X

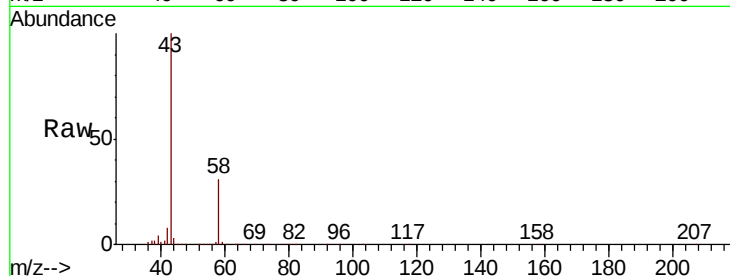
ClientSampled :

Tot Ion: 58 Resp: 128554

Ion Ratio Lower Upper

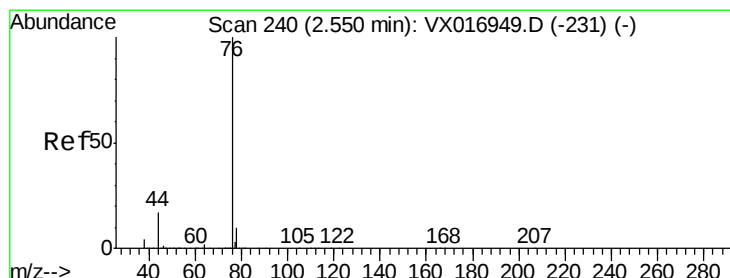
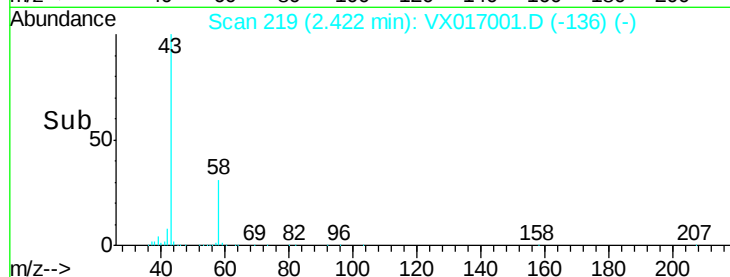
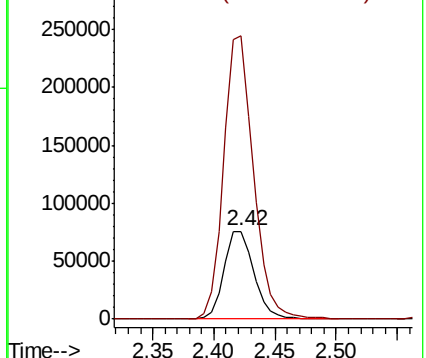
58 100

43 323.2 257.6 386.4



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.350 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017001.D

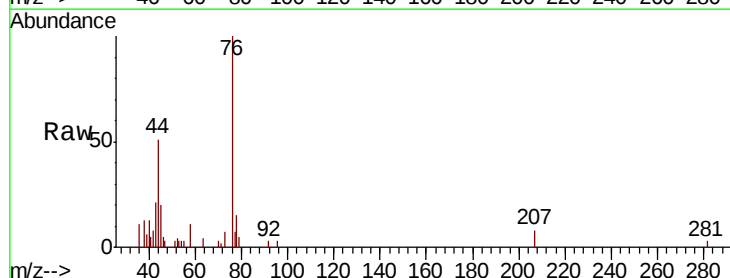
Acq: 27 Jun 2020 00:03

Tgt Ion: 76 Resp: 3494

Ion Ratio Lower Upper

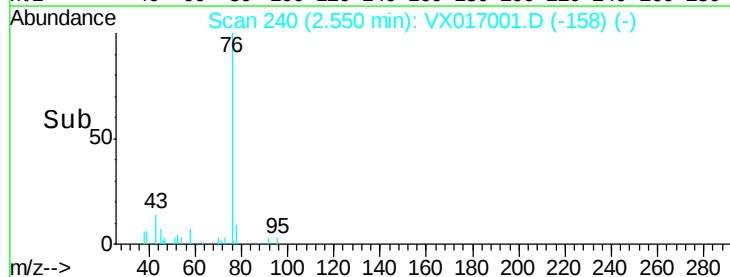
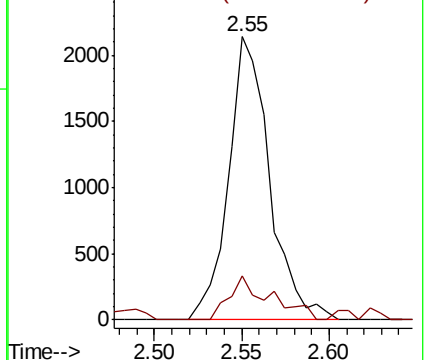
76 100

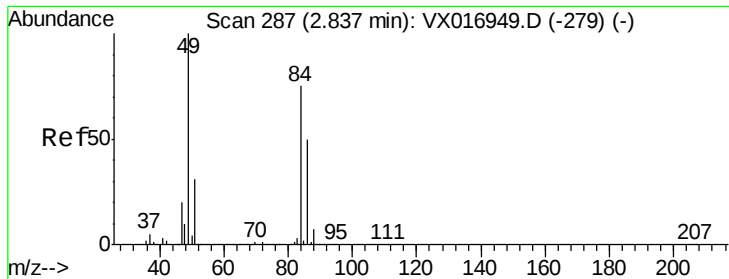
78 15.4 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

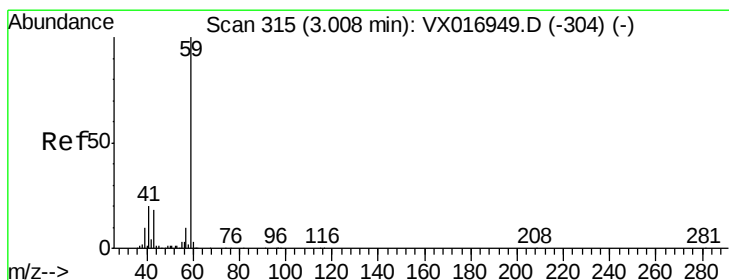
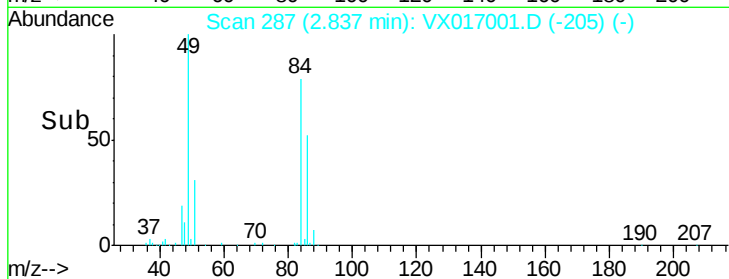
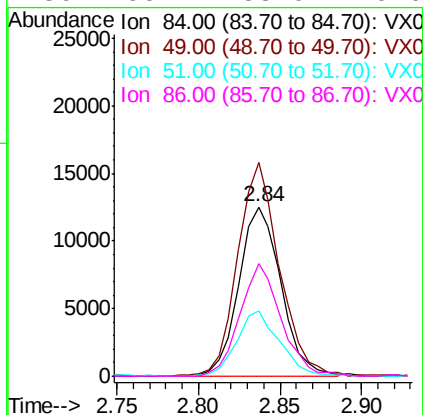
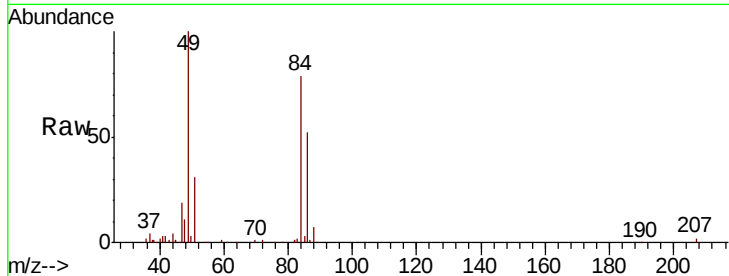




#18
Methvlene Chloride
Concen: 5.897 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017001.D
Acq: 27 Jun 2020 00:03

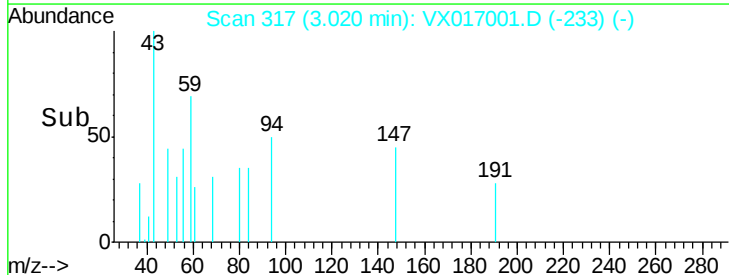
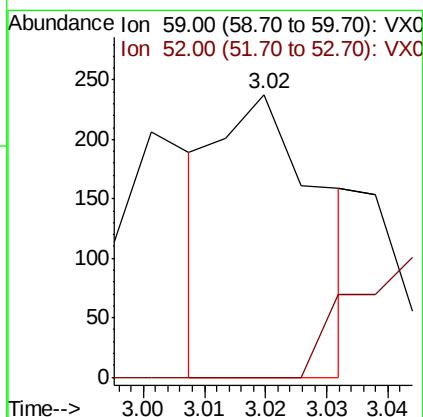
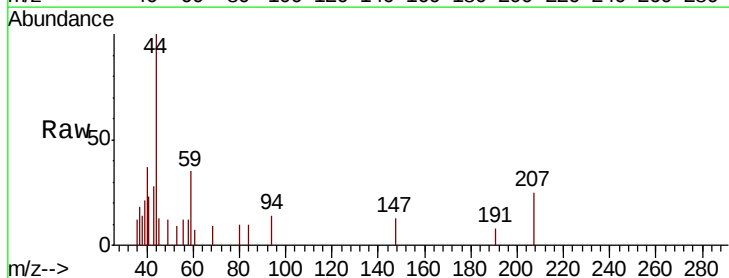
Instrument :
MSVOA_X
ClientSampleId :

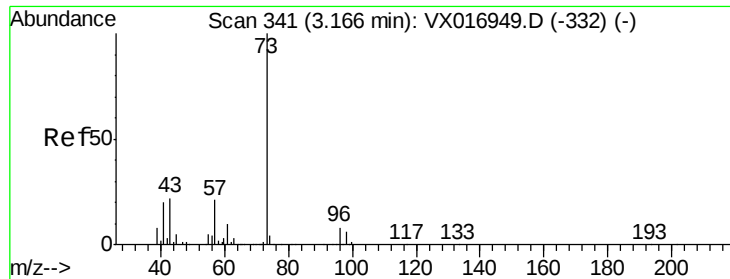
Tot Ion: 84 Resp: 22547
Ion Ratio Lower Upper
84 100
49 125.5 106.6 159.8
51 38.6 32.7 49.1
86 66.2 53.0 79.6



#23
tert-Butyl Alcohol
Concen: 0.331 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017001.D
Acq: 27 Jun 2020 00:03

Tgt Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
52 41.4 0.1 0.1#



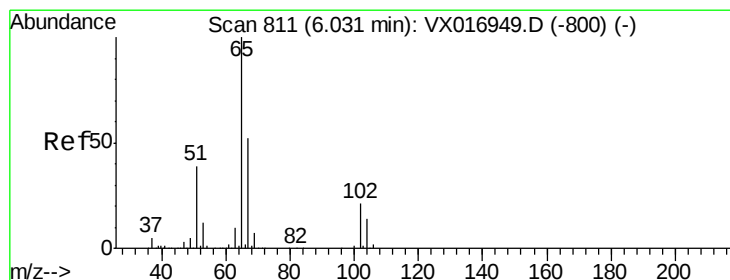
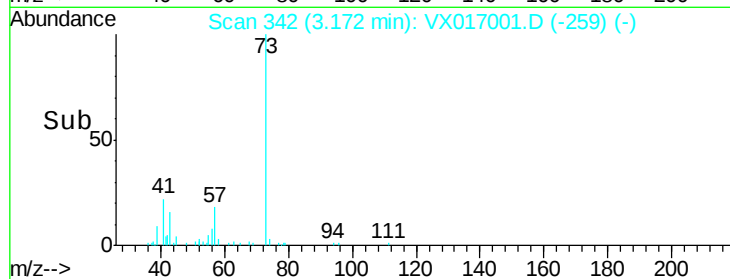
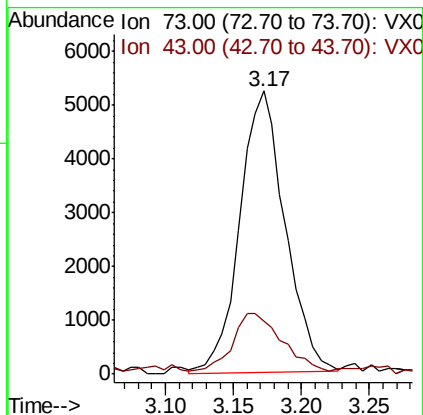
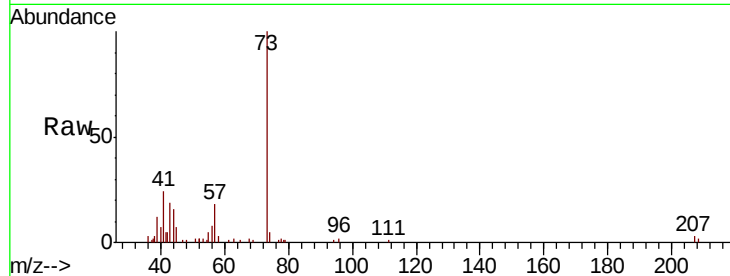


#24

Methyl tert-Butyl Ether
 Concen: 1.075 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

Instrument :
 MSVOA_X
 ClientSampled :

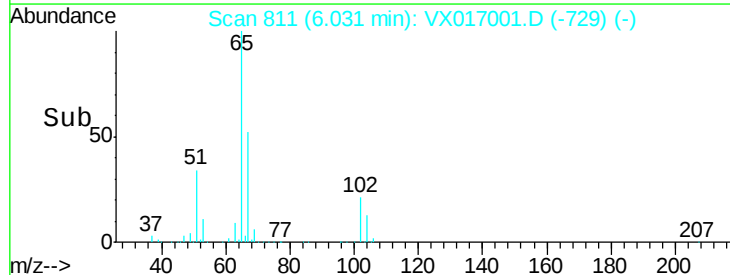
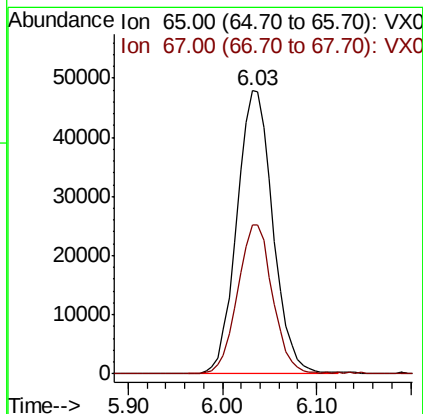
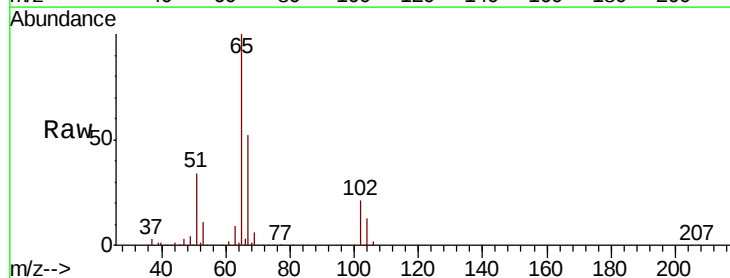
Tot Ion: 73 Resp: 12179
 Ion Ratio Lower Upper
 73 100
 43 21.8 17.2 25.8

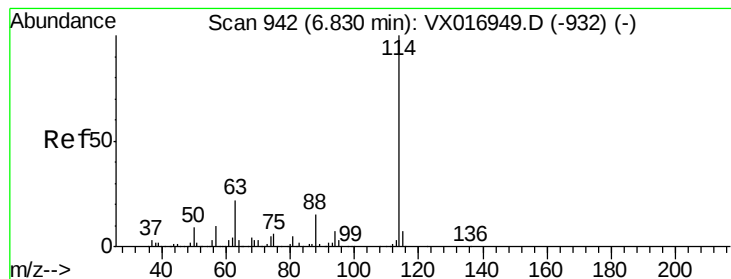


#27

1,2-Dichloroethane-d4
 Concen: 29.672 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

Tgt Ion: 65 Resp: 128060
 Ion Ratio Lower Upper
 65 100
 67 51.2 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017001.D

Acq: 27 Jun 2020 00:03

Instrument :

MSVOA_X

ClientSampleId :

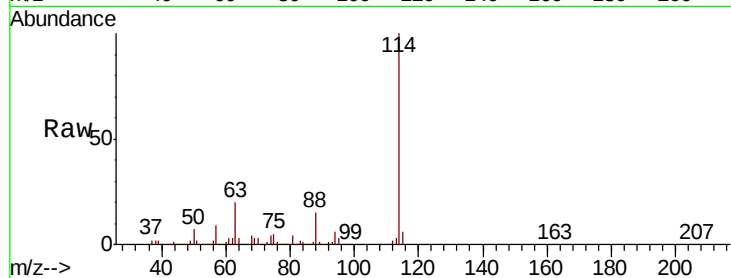
Tot Ion:114 Resp: 289540

Ion Ratio Lower Upper

114 100

63 20.9 17.4 26.2

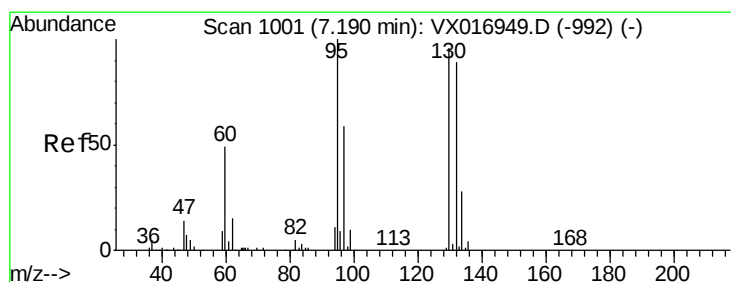
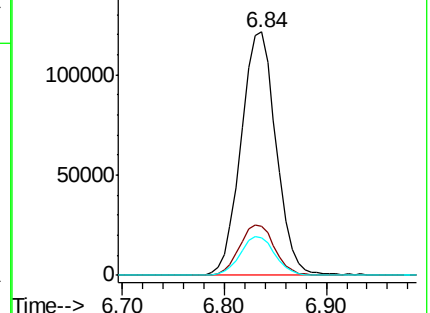
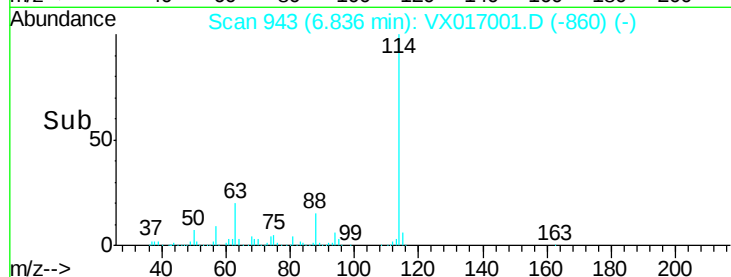
88 15.8 13.0 19.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#37

Trichloroethene

Concen: 2.271 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017001.D

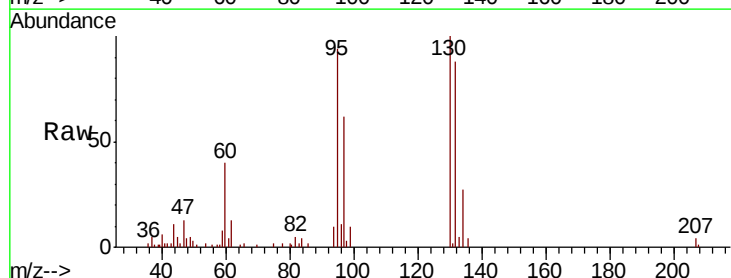
Acq: 27 Jun 2020 00:03

Tgt Ion:130 Resp: 8512

Ion Ratio Lower Upper

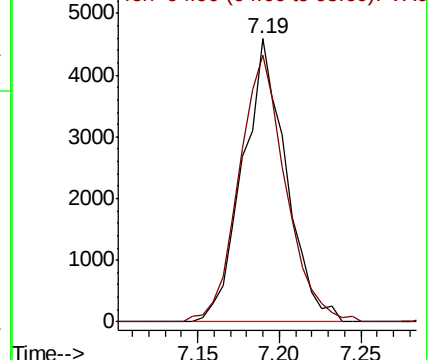
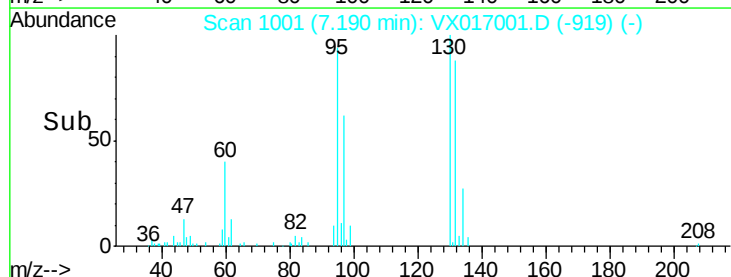
130 100

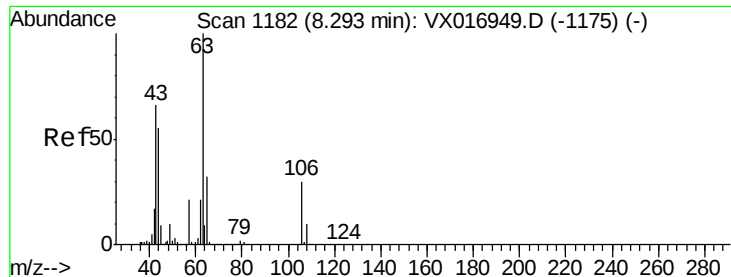
95 92.8 83.1 124.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

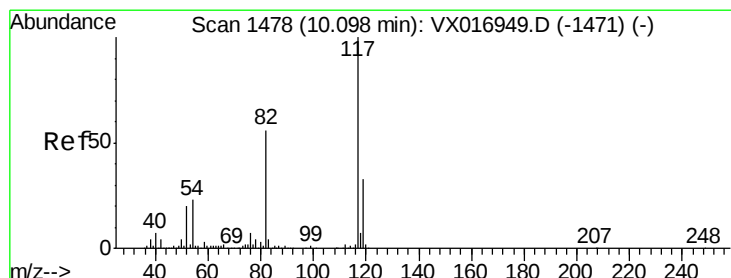
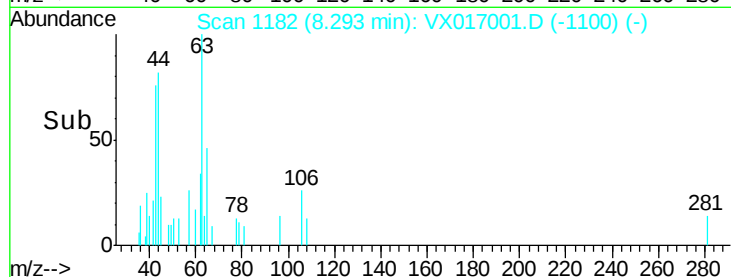
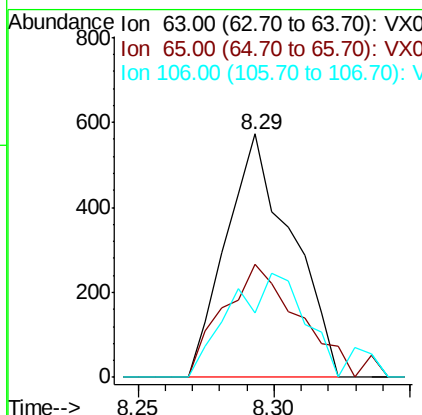
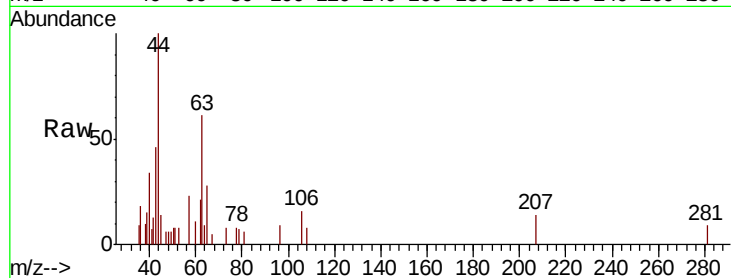




#55
 2-Chloroethyl vinyl ether
 Concen: 0.344 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

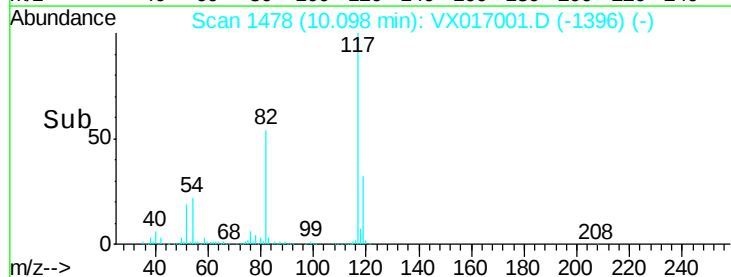
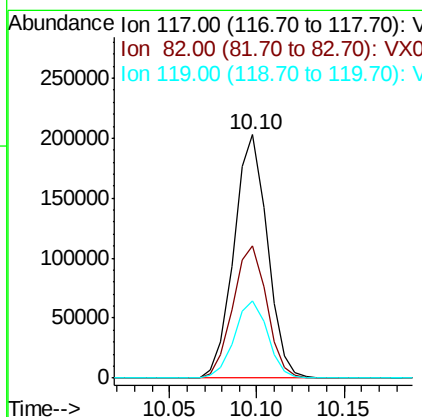
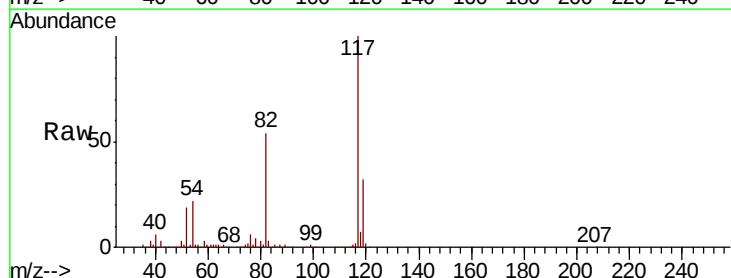
Instrument :
 MSVOA_X
 ClientSampleId :

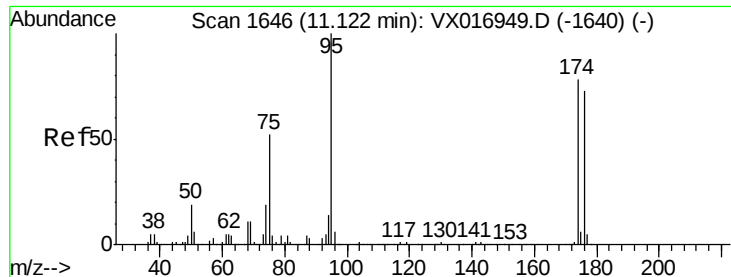
Tot Ion: 63 Resp: 955
 Ion Ratio Lower Upper
 63 100
 65 53.2 25.9 38.9#
 106 26.9 22.6 33.8



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

Tgt Ion: 117 Resp: 270593
 Ion Ratio Lower Upper
 117 100
 82 55.1 44.9 67.3
 119 31.7 25.8 38.8

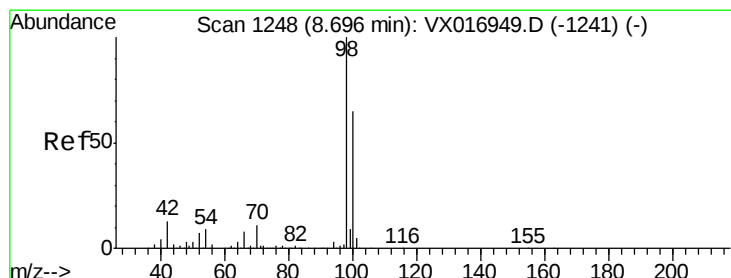
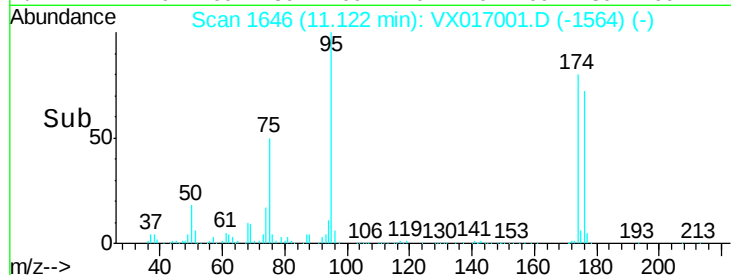
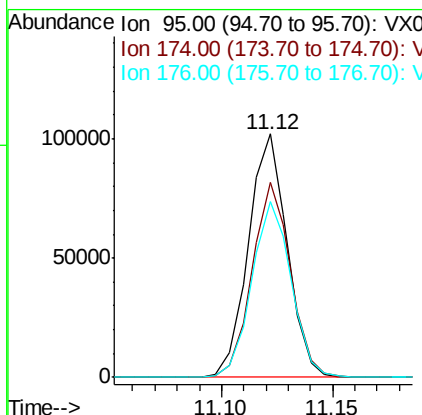
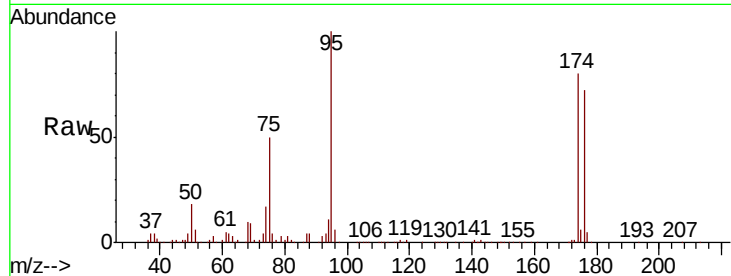




#60
4-Bromofluorobenzene
Concen: 27.521 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017001.D
Acq: 27 Jun 2020 00:03

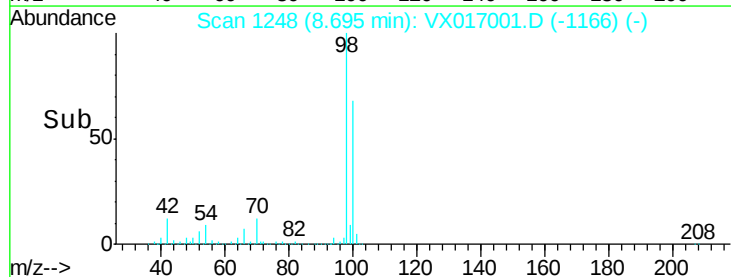
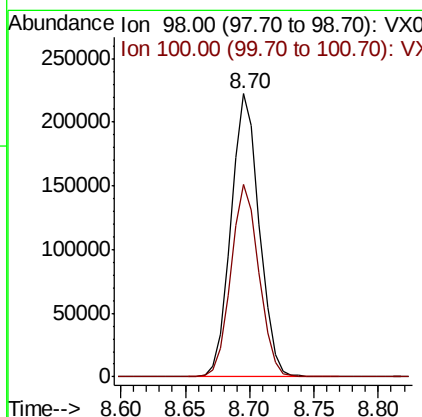
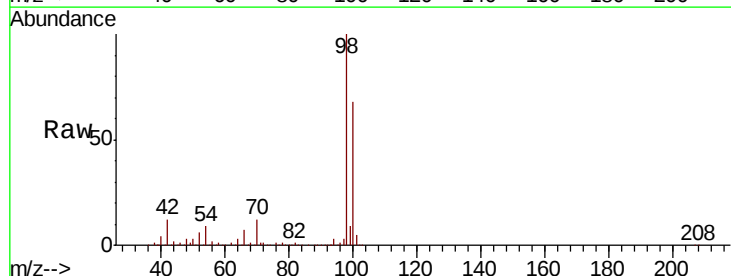
Instrument :
MSVOA_X
ClientSampleId :

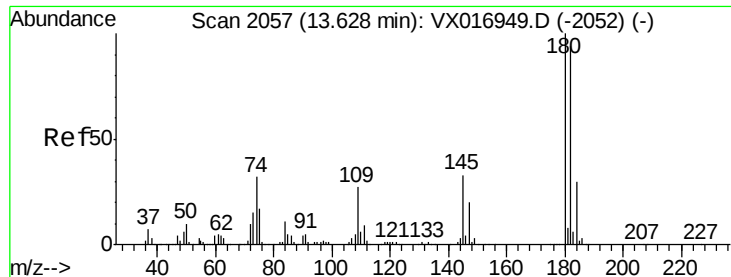
Tot Ion	95	Resp	124195
Ion Ratio	Lower	Upper	
95	100		
174	78.9	62.2	93.4
176	73.1	58.9	88.3



#63
Toluene-d8
Concen: 28.648 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017001.D
Acq: 27 Jun 2020 00:03

Tgt Ion	98	Resp	341711
Ion Ratio	Lower	Upper	
98	100		
100	67.2	52.3	78.5

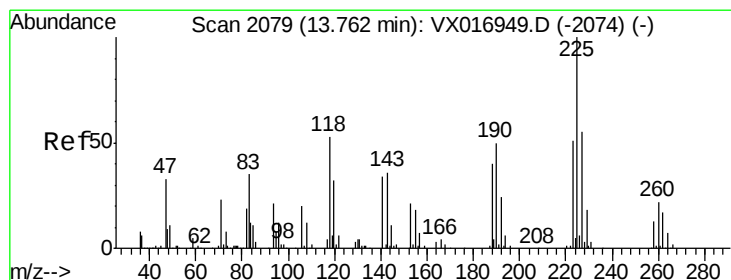
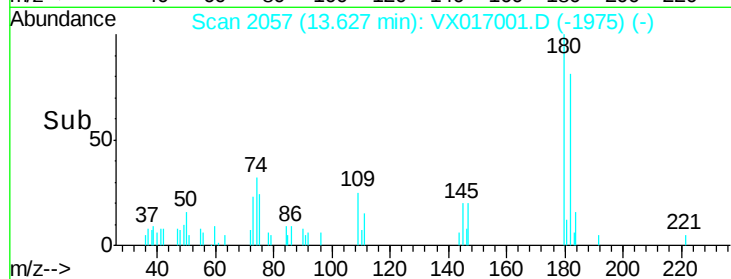
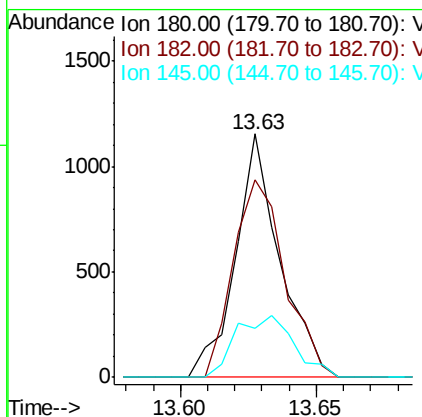
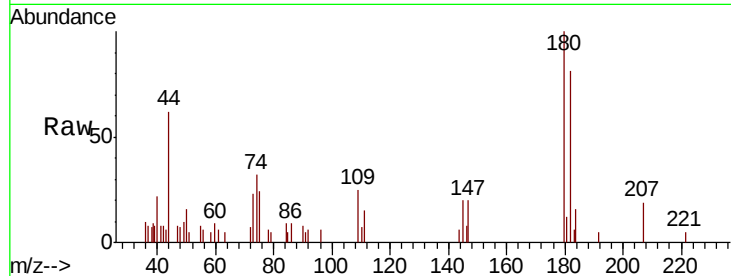




#89
 1,2,4-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

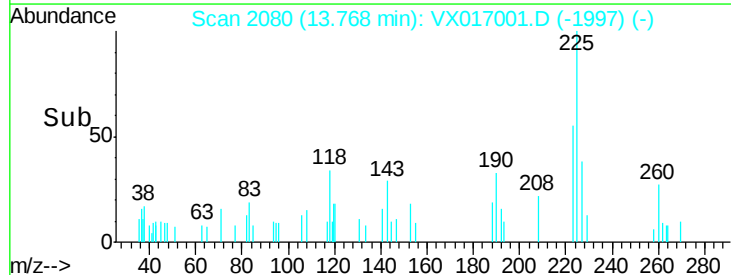
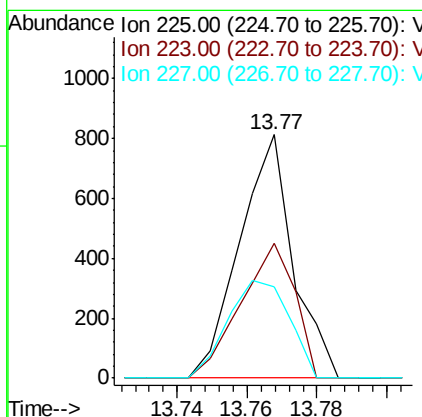
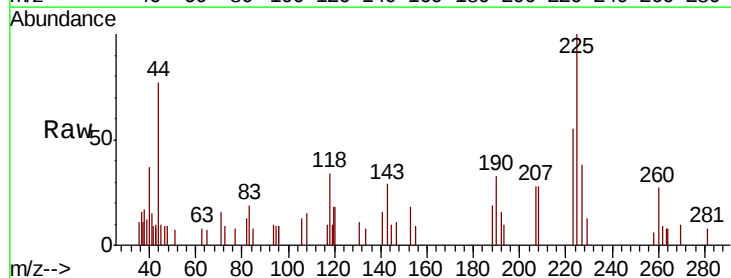
Instrument :
 MSVOA_X
 ClientSampleId :

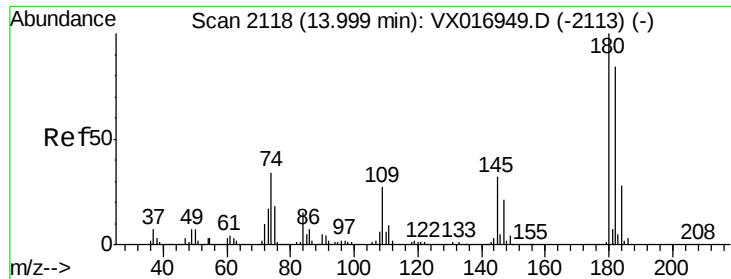
Tot Ion:180 Resp: 1305
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.7 116.5
 145 33.0 26.2 39.2



#90
 Hexachlorobutadiene
 Concen: 0.492 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

Tgt Ion:225 Resp: 862
 Ion Ratio Lower Upper
 225 100
 223 56.0 0.0 125.0
 227 46.3 0.0 124.0

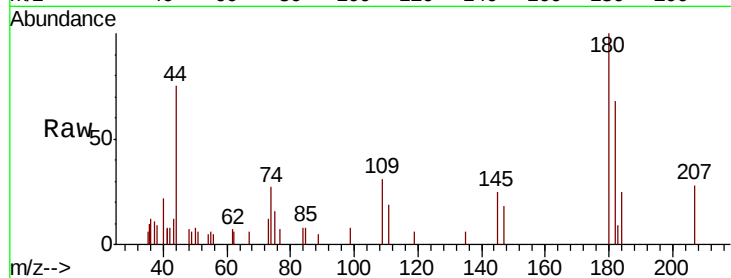




#92
 1,2,3-Trichlorobenzene
 Concen: 0.271 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX017001.D
 Acq: 27 Jun 2020 00:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.8	0.0	184.8
145	31.0	0.0	68.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

