

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027287.D
 Acq On : 03 Mar 2022 22:34
 Operator : JC/MD
 Sample : N1728-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 04 02:42:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

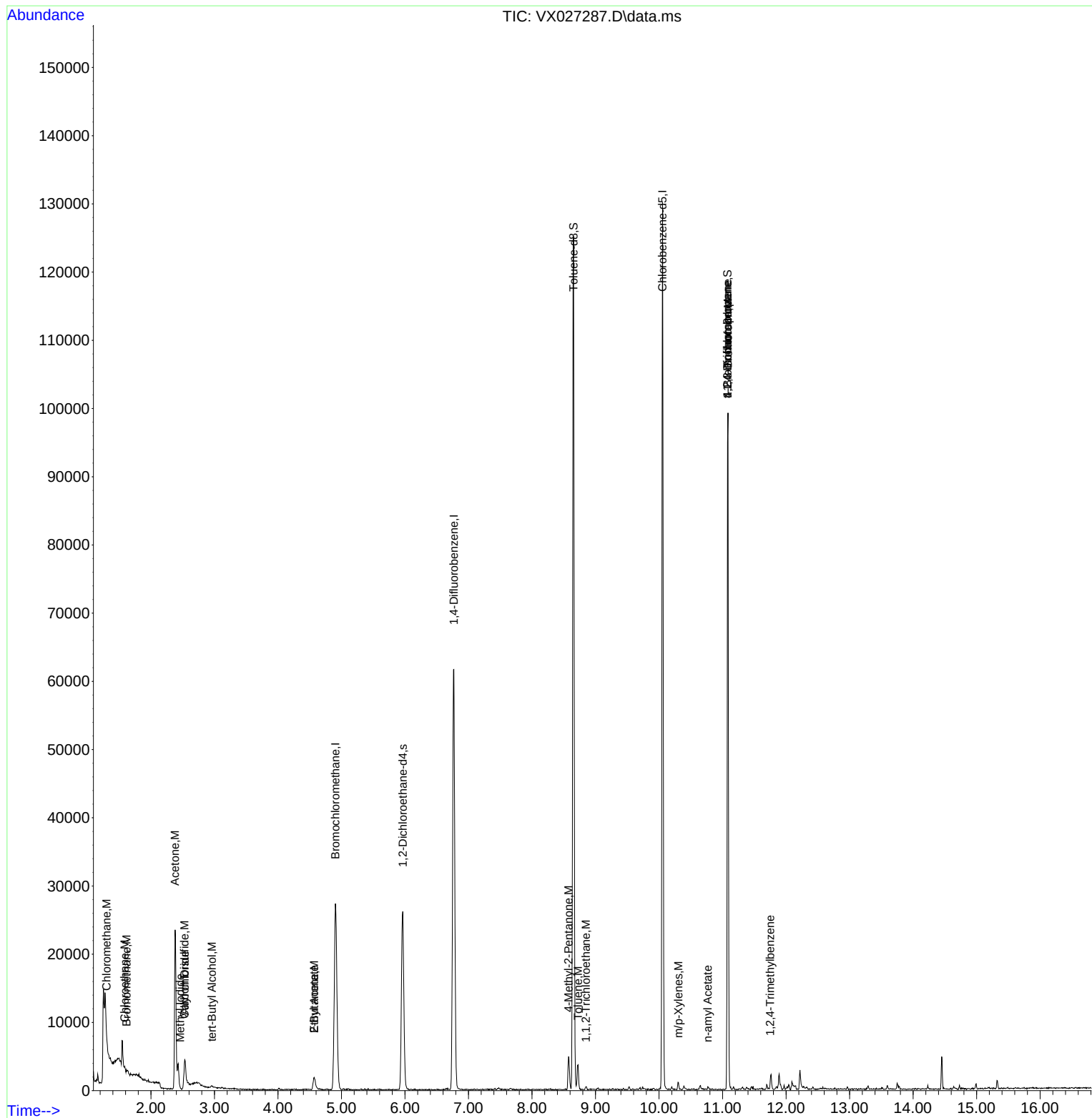
Internal Standards						
1) Bromochloromethane	4.903	128	12244	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	66044	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	59631	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	25885	30.537	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.800%
60) 4-Bromofluorobenzene	11.079	95	27046	27.997	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.333%
63) Toluene-d8	8.653	98	77422	29.699	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	136	0.216	ug/l #	43
5) Bromomethane	1.617	94	79	0.244	ug/l	82
6) Chloroethane	1.587	64	457	1.281	ug/l	98
11) Methyl Iodide	2.459	142	177	0.217	ug/l #	40
15) Acetone	2.380	58	7861	66.560	ug/l	99
16) Carbon Disulfide	2.526	76	3111	1.671	ug/l	96
17) Allyl chloride	2.532	41	266	0.228	ug/l #	1
23) tert-Butyl Alcohol	2.959	59	228	1.399	ug/l #	100
30) 2-Butanone	4.568	43	3620	6.352	ug/l #	93
43) Ethyl Acetate	4.568	43	3620	3.352	ug/l #	64
47) n-amyl Acetate	10.768	43	319	0.232	ug/l #	50
50) 1,1,2-Trichloroethane	8.848	97	370	0.481	ug/l #	16
56) Bromoform	11.085	173	169	0.275	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	3103	2.877	ug/l	97
62) Toluene	8.726	91	2752	0.847	ug/l	95
67) m/p-Xylenes	10.305	106	347	0.242	ug/l	78
72) 1,2,3-Trichloropropane	11.079	75	13253	12.664	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	13253	42.748	ug/l #	3
80) 1,2,4-Trimethylbenzene	11.750	105	651	0.211	ug/l	93

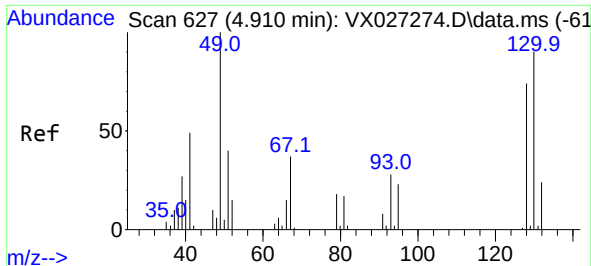
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
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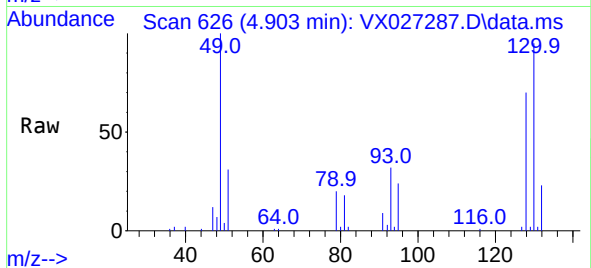
Quant Time: Mar 04 02:42:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
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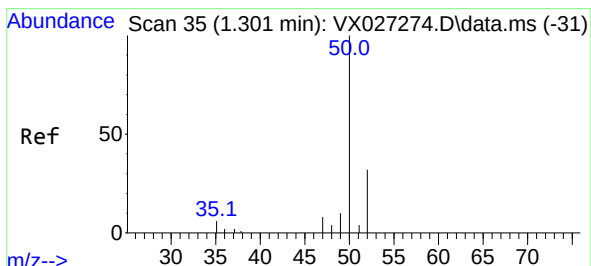
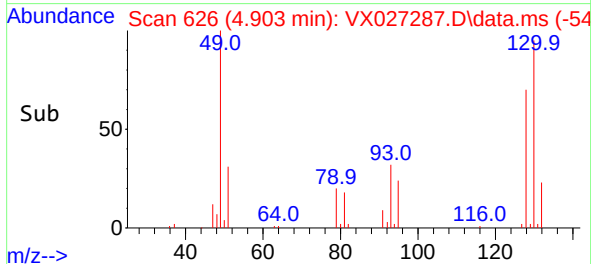
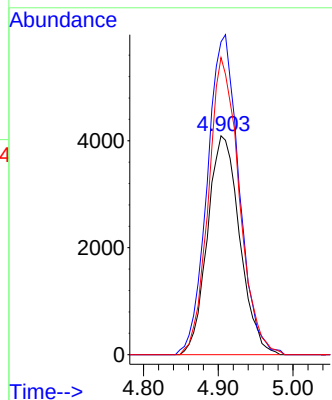


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Instrument :
MSVOA_X
ClientSampleId :

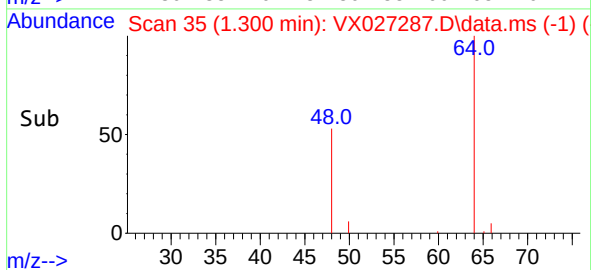
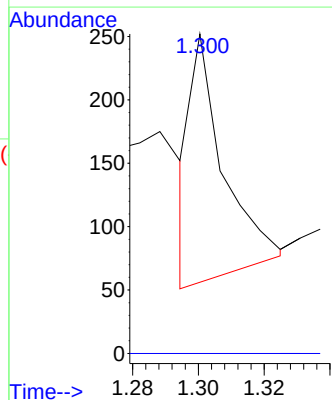
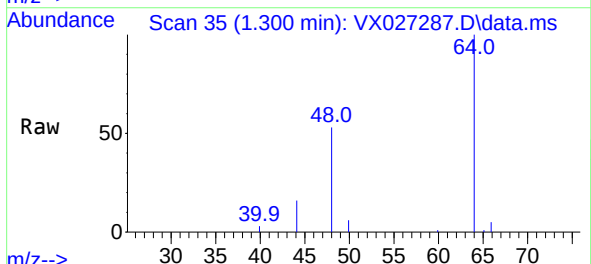


Tgt Ion:128 Resp: 12244
Ion Ratio Lower Upper
128 100
49 144.0 0.0 358.3
130 130.0 0.0 319.3

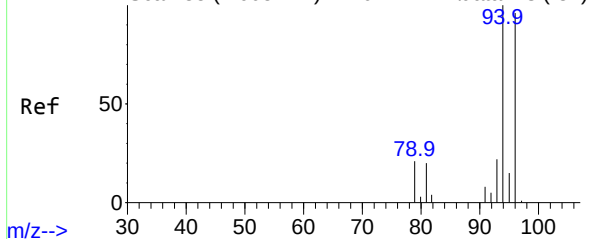


#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Tgt Ion: 50 Resp: 136
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



Abundance Scan 85 (1.605 min): VX027274.D\data.ms (-81)



#5

Bromomethane

Concen: 0.244 ug/l

RT: 1.617 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

ClientSampleId :

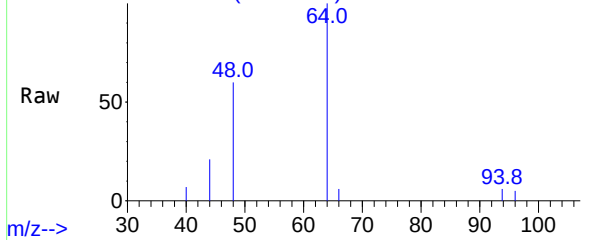
Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

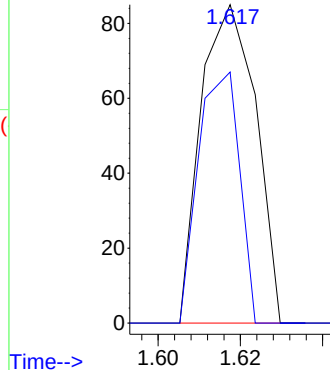
94 100

96 78.8 77.0 115.6

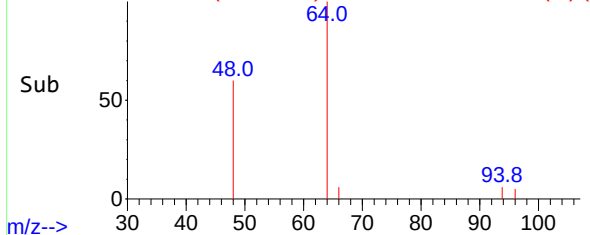
Abundance Scan 87 (1.617 min): VX027287.D\data.ms



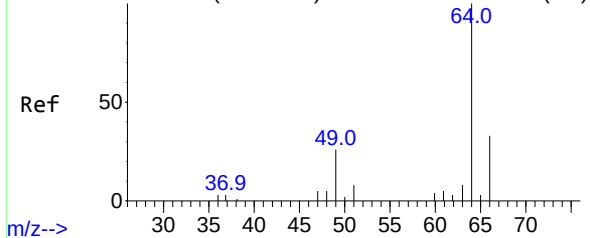
Abundance



Abundance Scan 87 (1.617 min): VX027287.D\data.ms (-3)



Abundance Scan 99 (1.691 min): VX027274.D\data.ms (-94)



#6

Chloroethane

Concen: 1.281 ug/l

RT: 1.587 min Scan# 82

Delta R.T. -0.104 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

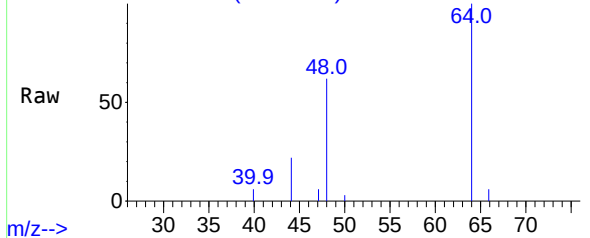
Tgt Ion: 64 Resp: 457

Ion Ratio Lower Upper

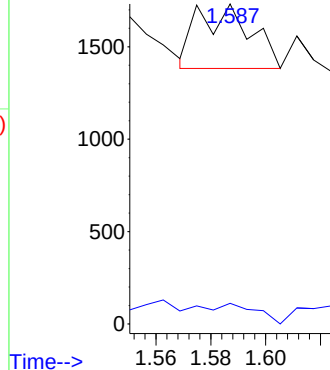
64 100

66 32.1 26.4 39.6

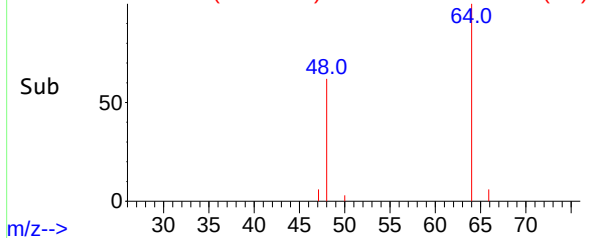
Abundance Scan 82 (1.587 min): VX027287.D\data.ms

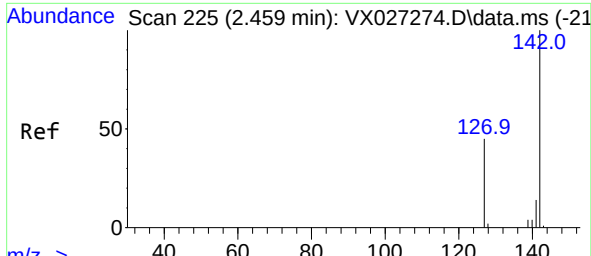


Abundance



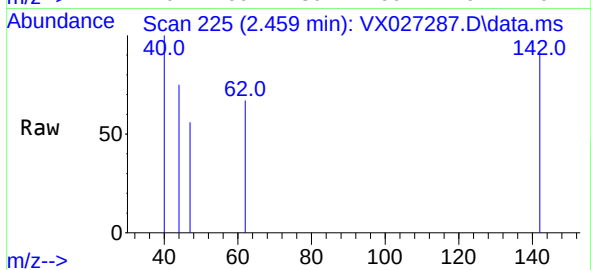
Abundance Scan 82 (1.587 min): VX027287.D\data.ms (-17)



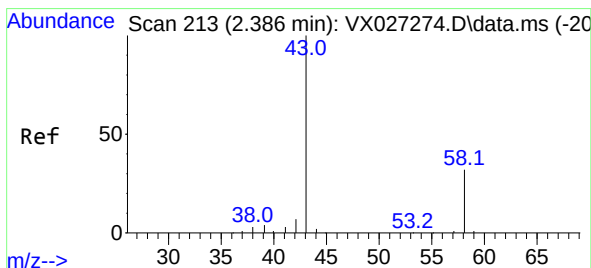
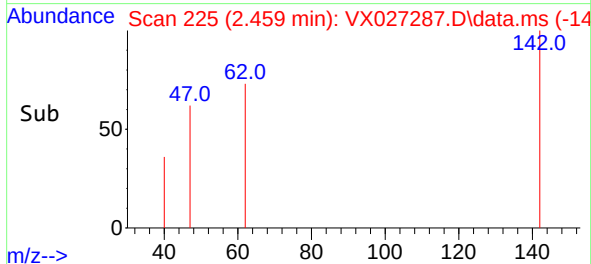
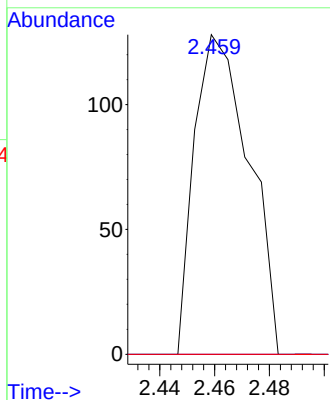


#11
Methyl Iodide
Concen: 0.217 ug/l
RT: 2.459 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Instrument :
MSVOA_X
ClientSampleId :

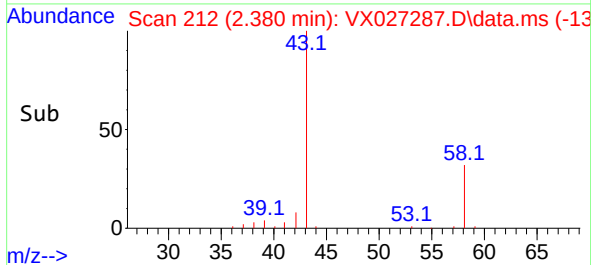
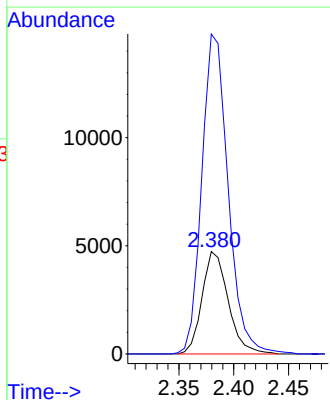
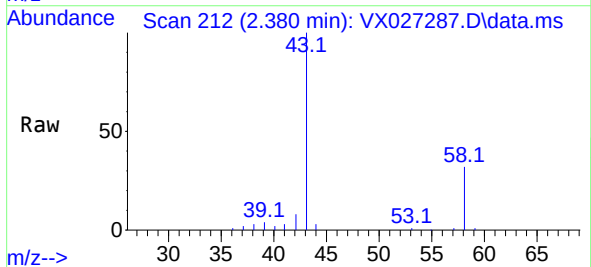


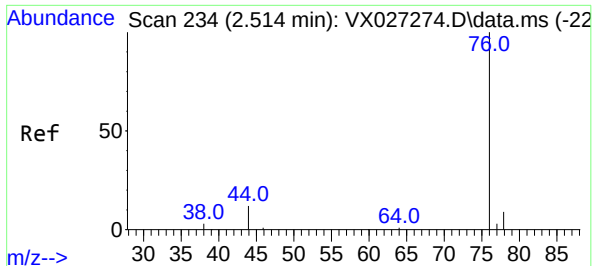
Tgt Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
127 0.0 22.3 66.9#
141 0.0 7.0 20.9#



#15
Acetone
Concen: 66.560 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

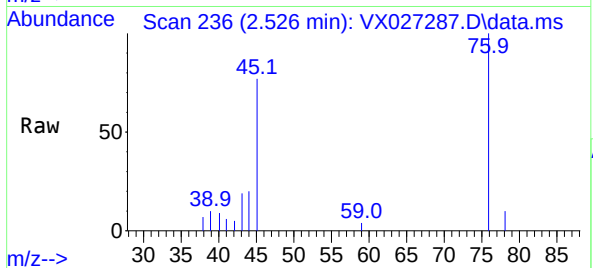
Tgt Ion: 58 Resp: 7861
Ion Ratio Lower Upper
58 100
43 311.3 250.2 375.2



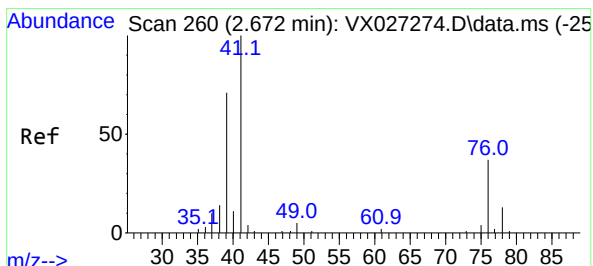
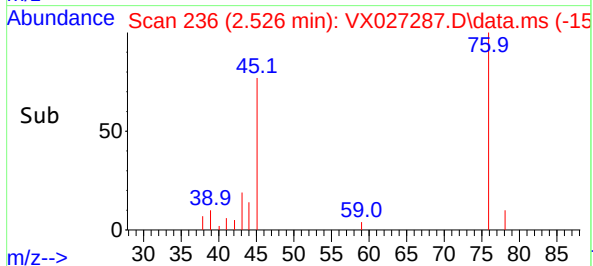
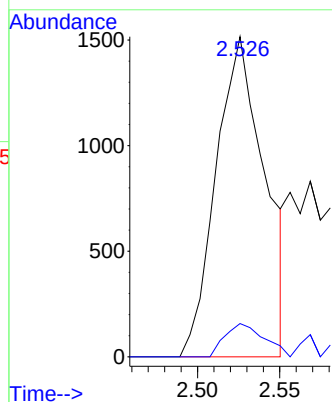


#16
Carbon Disulfide
Concen: 1.671 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Instrument :
MSVOA_X
ClientSampleId :

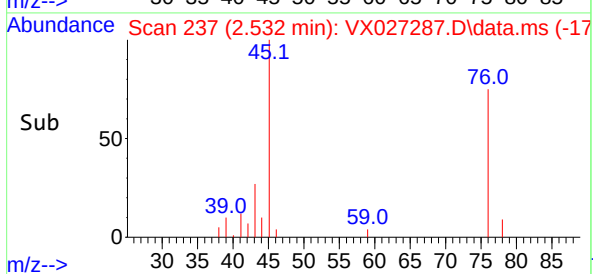
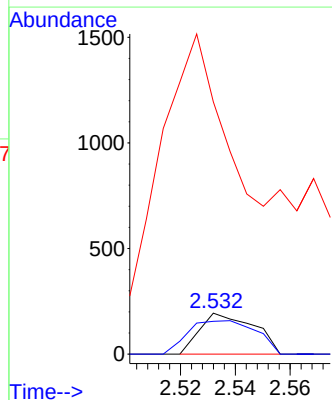
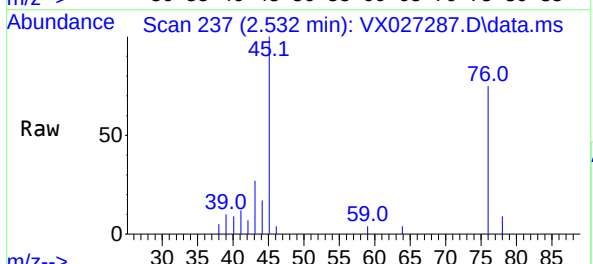


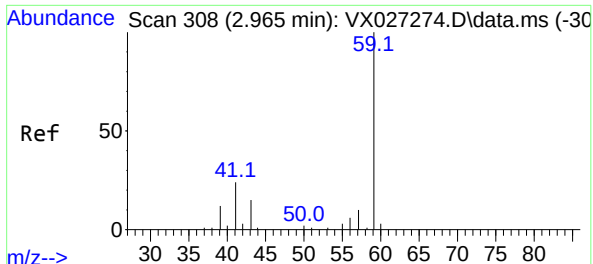
Tgt Ion: 76 Resp: 3111
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#17
Allyl chloride
Concen: 0.228 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.140 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Tgt Ion: 41 Resp: 266
Ion Ratio Lower Upper
41 100
39 79.9 35.4 106.1
76 214.4 18.4 55.4#





#23

tert-Butyl Alcohol

Concen: 1.399 ug/l

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

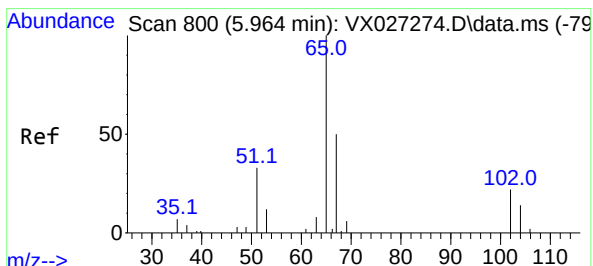
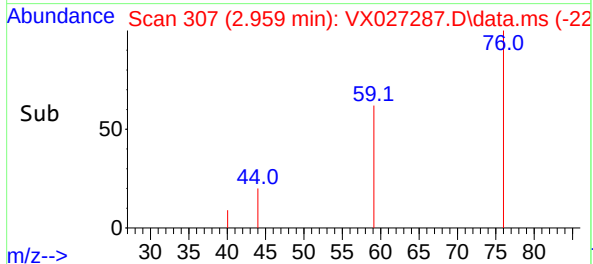
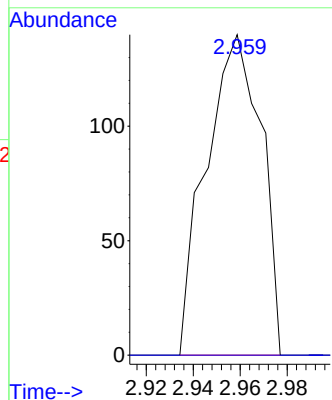
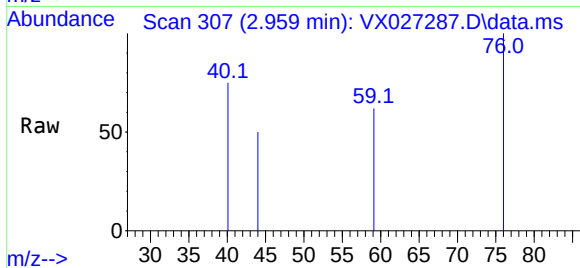
ClientSampleId :

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.537 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX027287.D

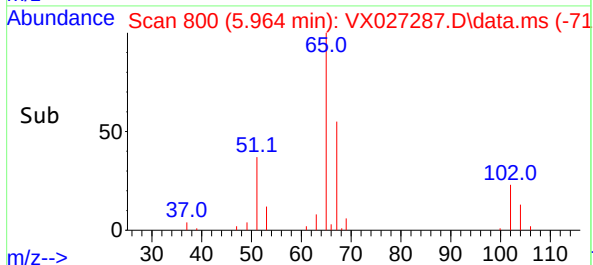
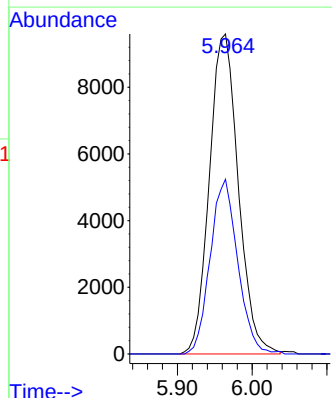
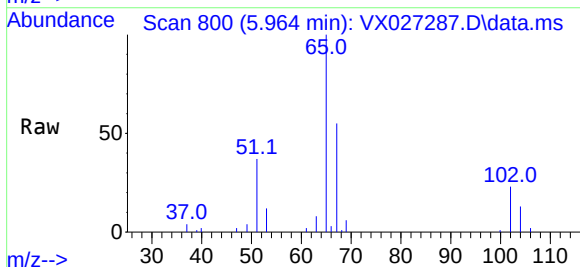
Acq: 03 Mar 2022 22:34

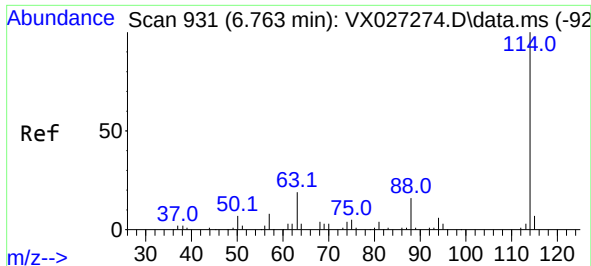
Tgt Ion: 65 Resp: 25885

Ion Ratio Lower Upper

65 100

67 51.7 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

ClientSampleId :

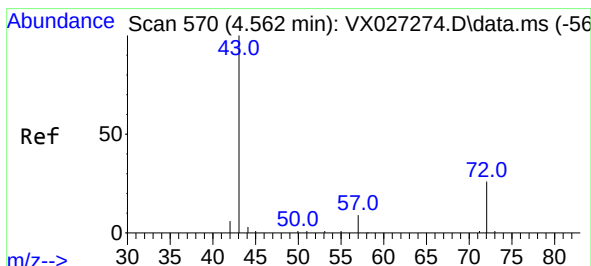
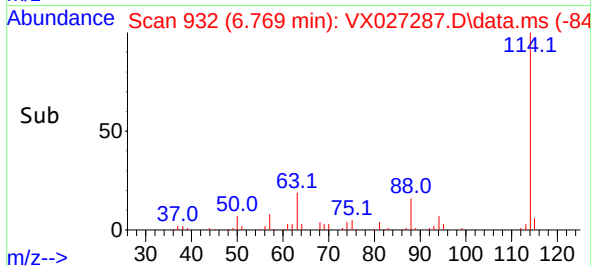
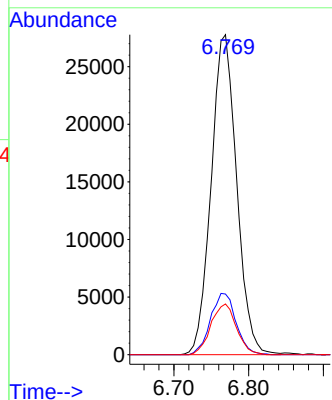
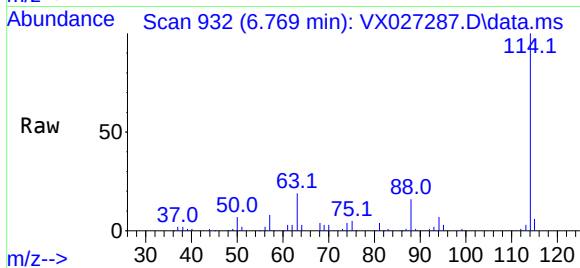
Tgt Ion:114 Resp: 66044

Ion Ratio Lower Upper

114 100

63 19.1 15.3 22.9

88 15.9 12.2 18.4



#30

2-Butanone

Concen: 6.352 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

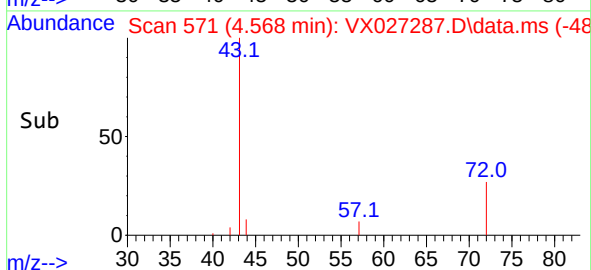
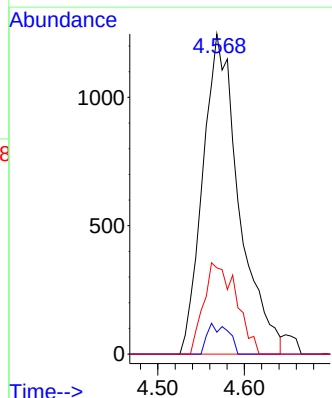
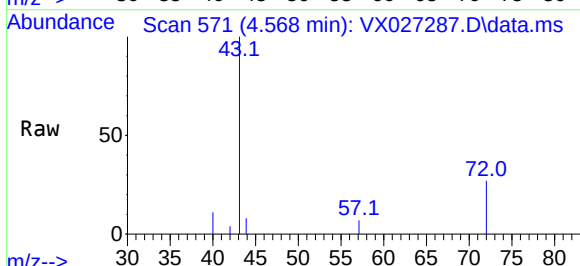
Tgt Ion: 43 Resp: 3620

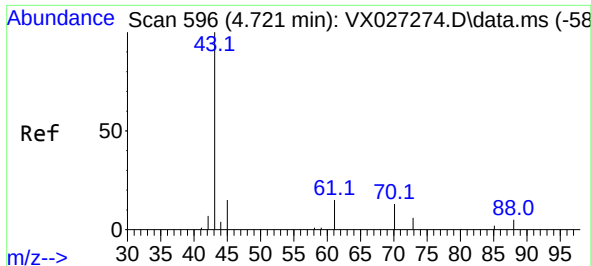
Ion Ratio Lower Upper

43 100

57 2.8 6.6 10.0#

72 25.6 22.1 33.1





#43

Ethyl Acetate

Concen: 3.352 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

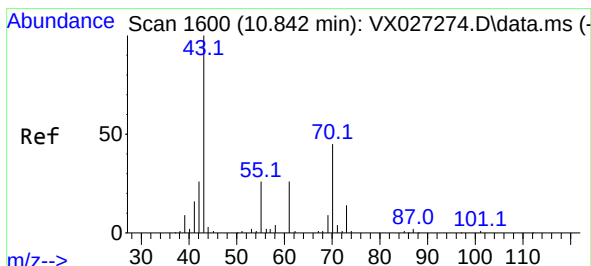
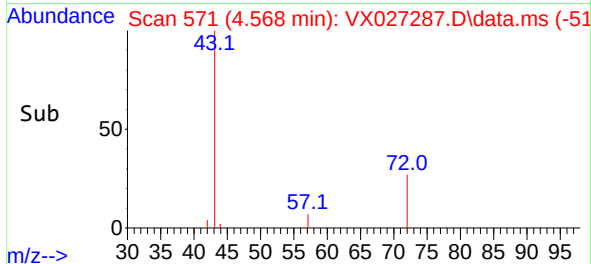
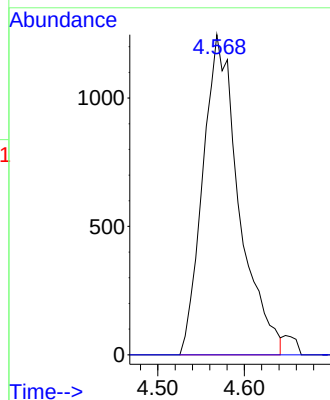
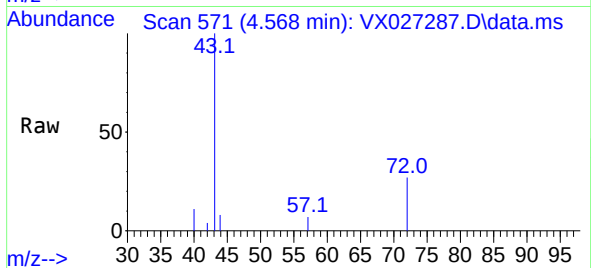
ClientSampleId :

Tgt Ion: 43 Resp: 3620

Ion Ratio Lower Upper

43 100

45 0.0 11.8 17.6#



#47

n-ethyl Acetate

Concen: 0.232 ug/l

RT: 10.768 min Scan# 1588

Delta R.T. -0.073 min

Lab File: VX027287.D

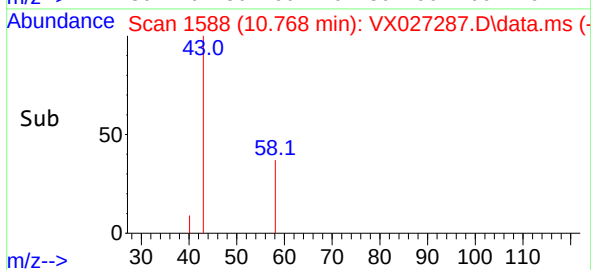
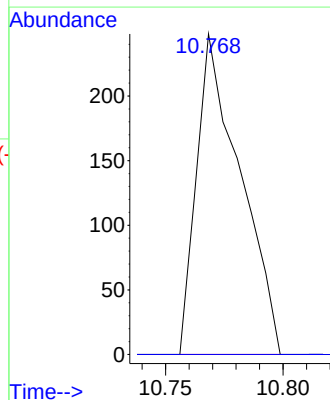
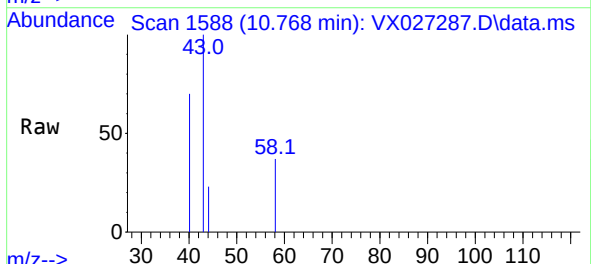
Acq: 03 Mar 2022 22:34

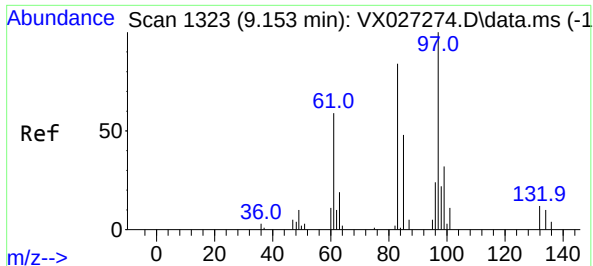
Tgt Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

55 0.0 20.4 30.6#



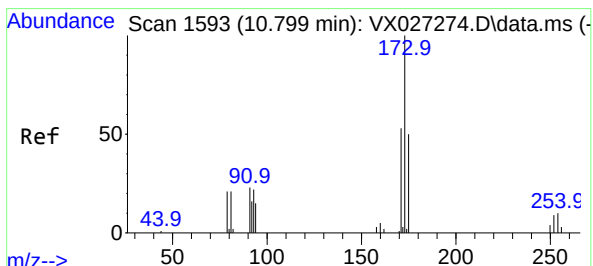
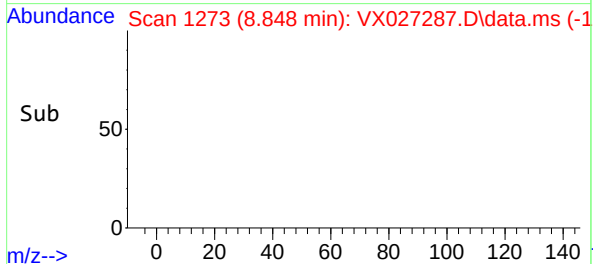
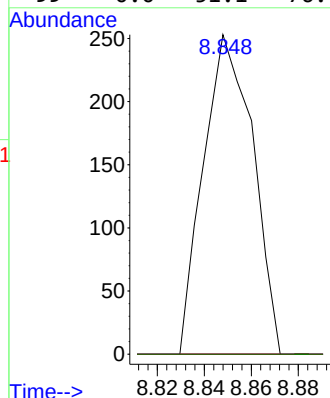
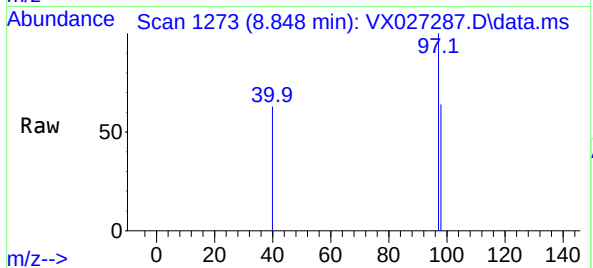


#50
1,1,2-Trichloroethane
Concen: 0.481 ug/l
RT: 8.848 min Scan# 11
Delta R.T. -0.305 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 97 Resp: 370

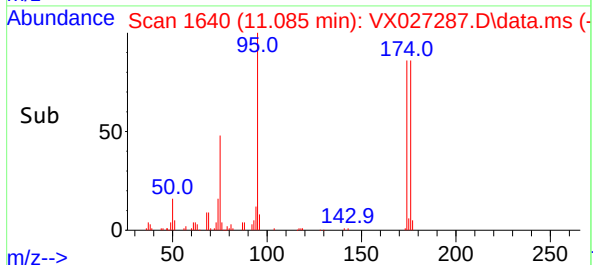
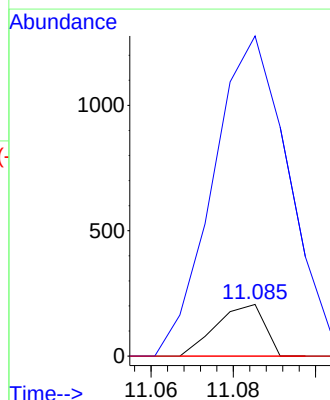
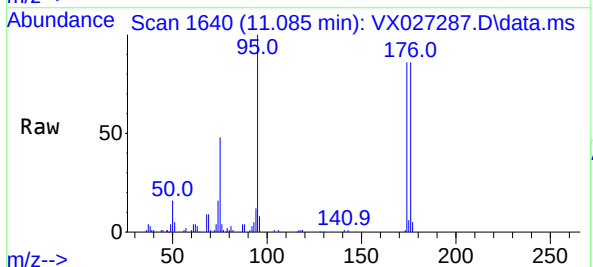
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.2	99.4#
85	0.0	40.4	60.6#
99	0.0	51.1	76.7#

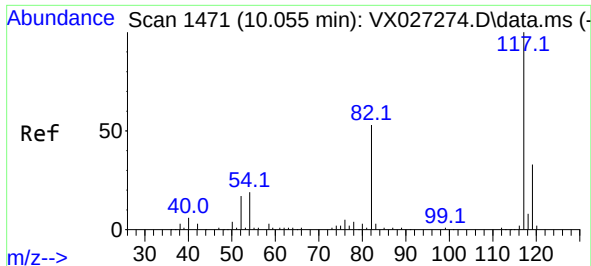


#56
Bromoform
Concen: 0.275 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Tgt Ion: 173 Resp: 169

Ion	Ratio	Lower	Upper
173	100		
175	968.0	40.3	60.5#
254	0.0	7.4	11.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

ClientSampleId :

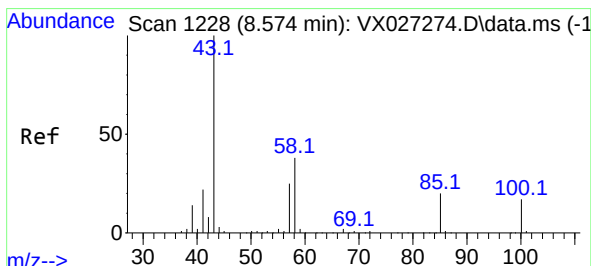
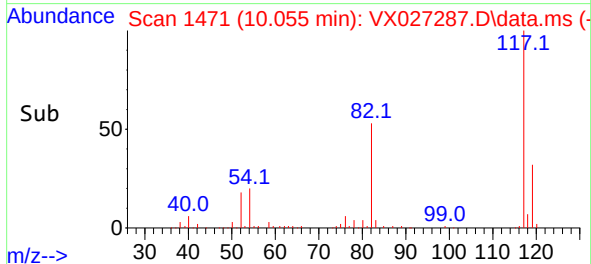
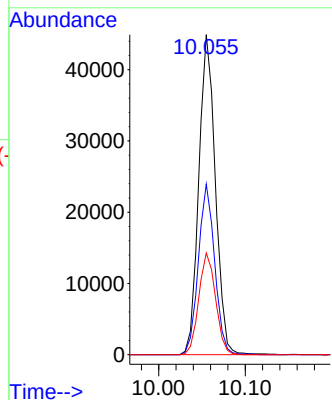
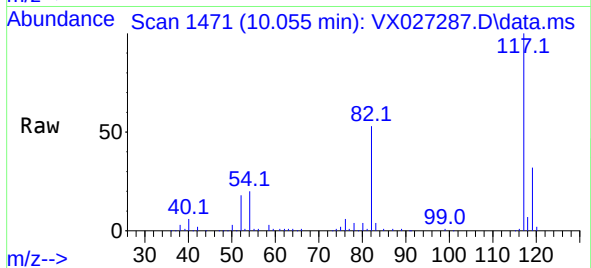
Tgt Ion:117 Resp: 59631

Ion Ratio Lower Upper

117 100

82 52.6 42.3 63.5

119 32.2 26.2 39.2



#58

4-Methyl-2-Pentanone

Concen: 2.877 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

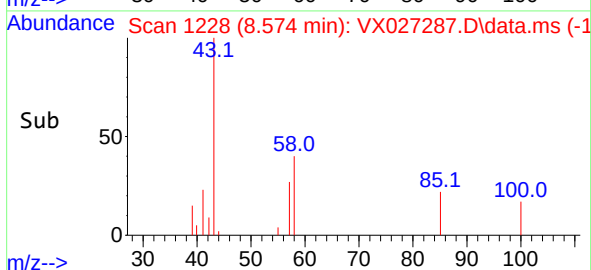
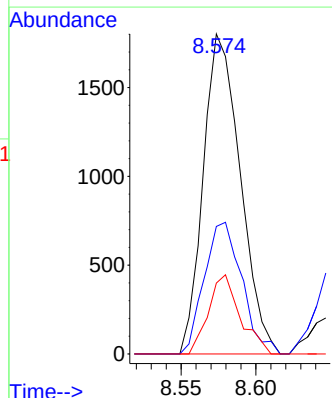
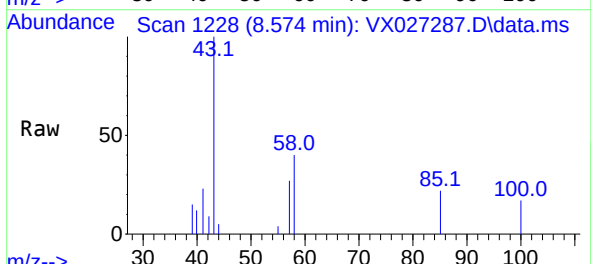
Tgt Ion: 43 Resp: 3103

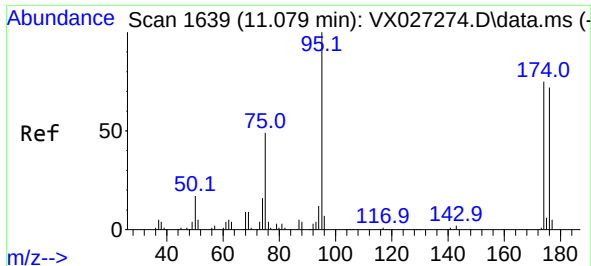
Ion Ratio Lower Upper

43 100

58 41.7 31.8 47.6

85 21.1 15.8 23.6

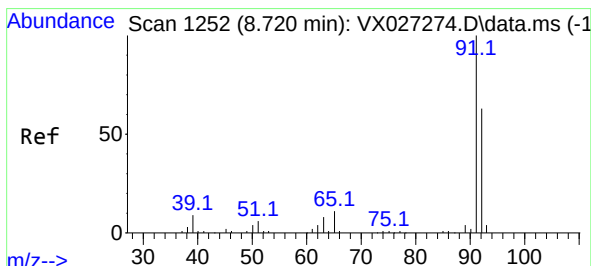
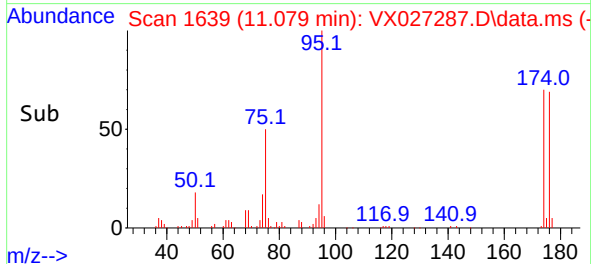
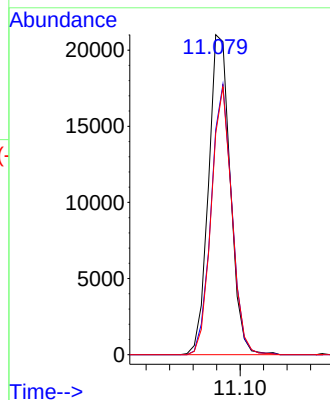
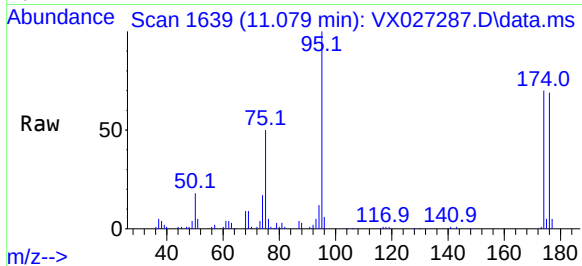




#60
4-Bromofluorobenzene
Concen: 27.997 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

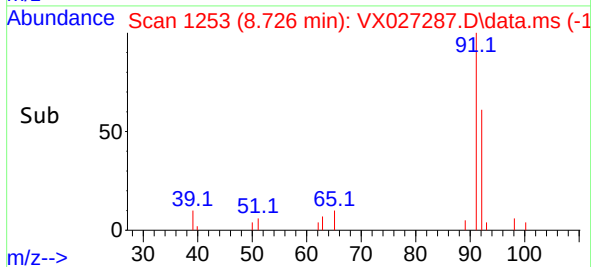
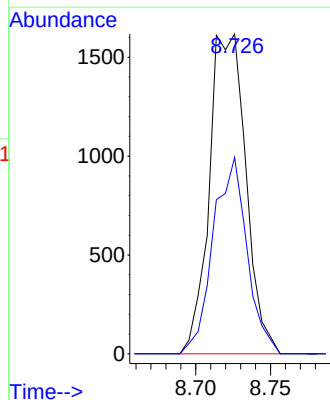
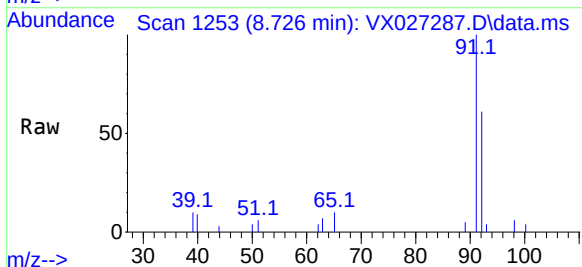
Instrument :
MSVOA_X
ClientSampleId :

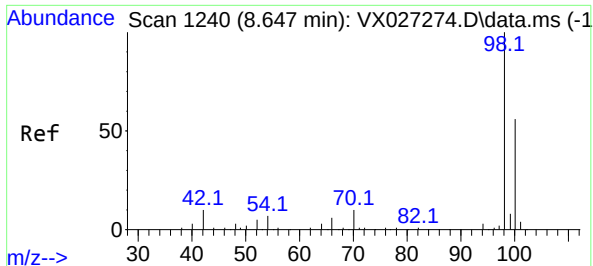
Tgt Ion: 95 Resp: 27046
Ion Ratio Lower Upper
95 100
174 80.5 65.4 98.2
176 79.1 63.4 95.0



#62
Toluene
Concen: 0.847 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Tgt Ion: 91 Resp: 2752
Ion Ratio Lower Upper
91 100
92 56.7 48.1 72.1





#63

Toluene-d8

Concen: 29.699 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX027287.D

Acq: 03 Mar 2022 22:34

Instrument :

MSVOA_X

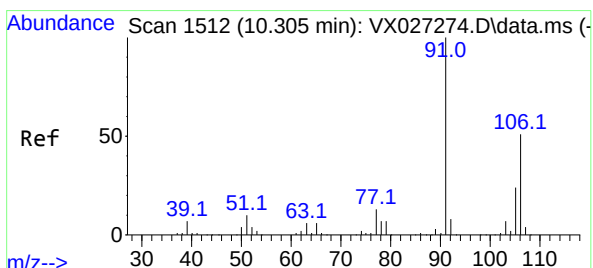
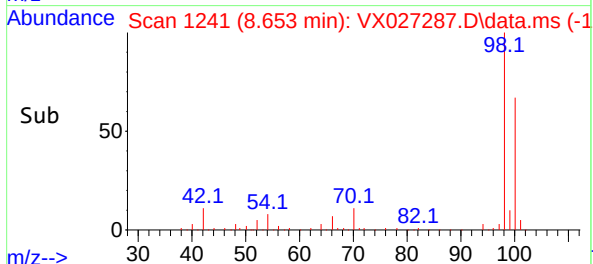
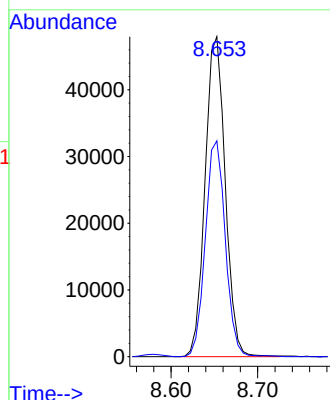
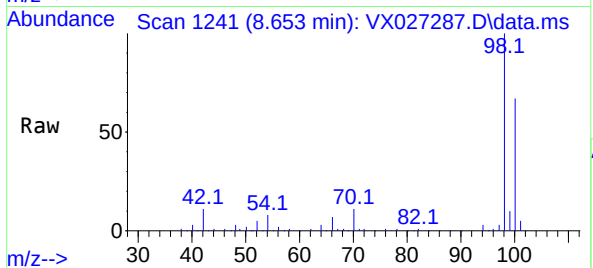
ClientSampleId :

Tgt Ion: 98 Resp: 77422

Ion Ratio Lower Upper

98 100

100 66.8 51.4 77.2



#67

m/p-Xylenes

Concen: 0.242 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX027287.D

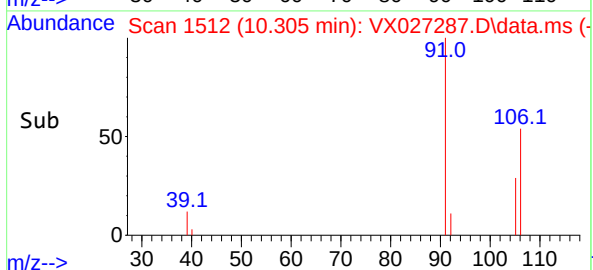
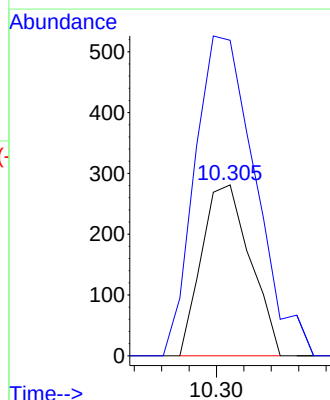
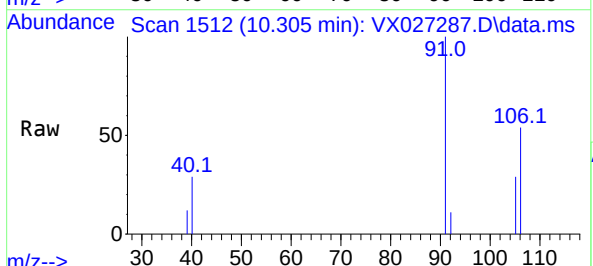
Acq: 03 Mar 2022 22:34

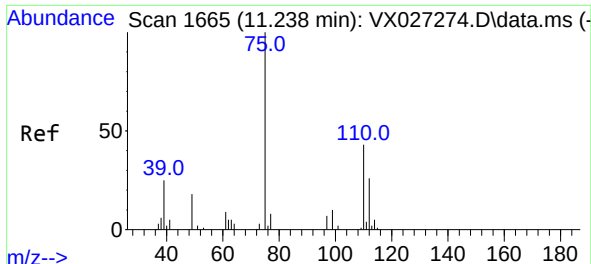
Tgt Ion: 106 Resp: 347

Ion Ratio Lower Upper

106 100

91 232.9 159.5 239.3

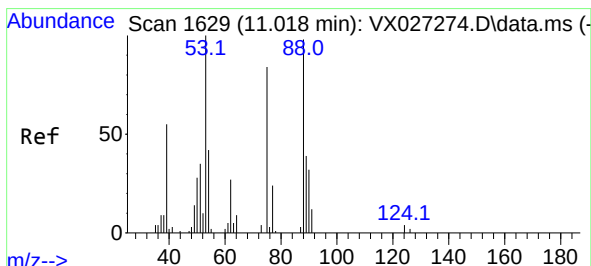
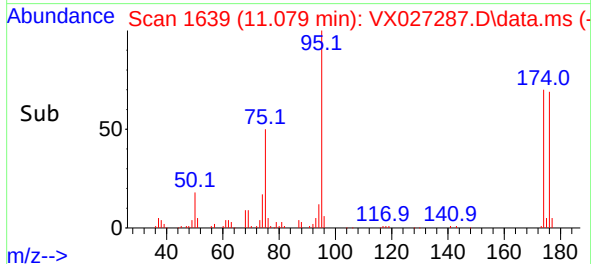
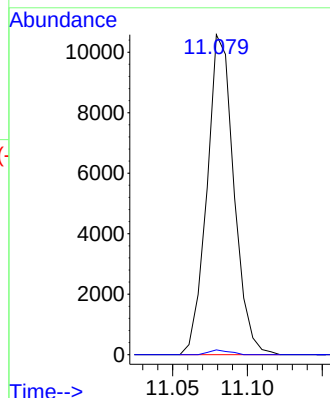
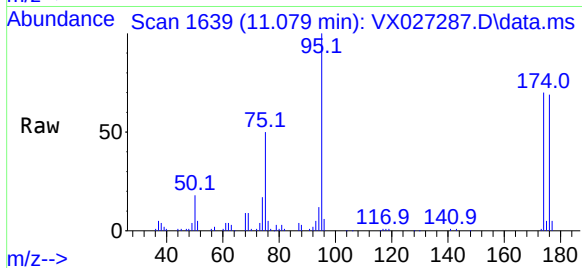




#72
1,2,3-Trichloropropane
Concen: 12.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

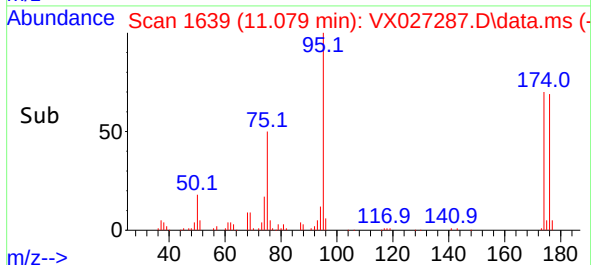
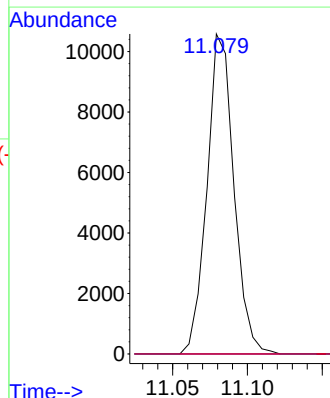
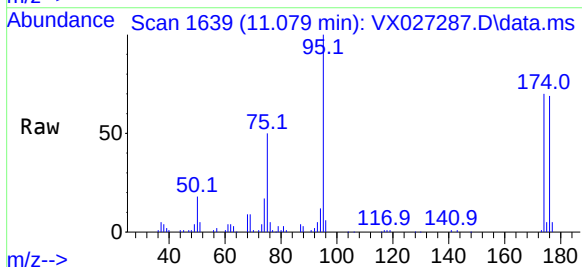
Instrument :
MSVOA_X
ClientSampleId :

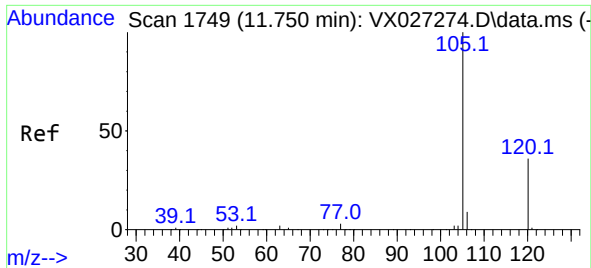
Tgt Ion: 75 Resp: 13253
Ion Ratio Lower Upper
75 100
77 1.1 0.0 78.6



#77
t-1,4-Dichloro-2-butene
Concen: 42.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027287.D
Acq: 03 Mar 2022 22:34

Tgt Ion: 75 Resp: 13253
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#





#80
 1,2,4-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027287.D
 Acq: 03 Mar 2022 22:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	105	Resp:	651
Ion Ratio	Lower	Upper	
105	100		
120	40.4	0.0	89.6

