

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027296.D
 Acq On : 04 Mar 2022 13:07
 Operator : JC/MD
 Sample : N1799-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 05 01:49:14 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)

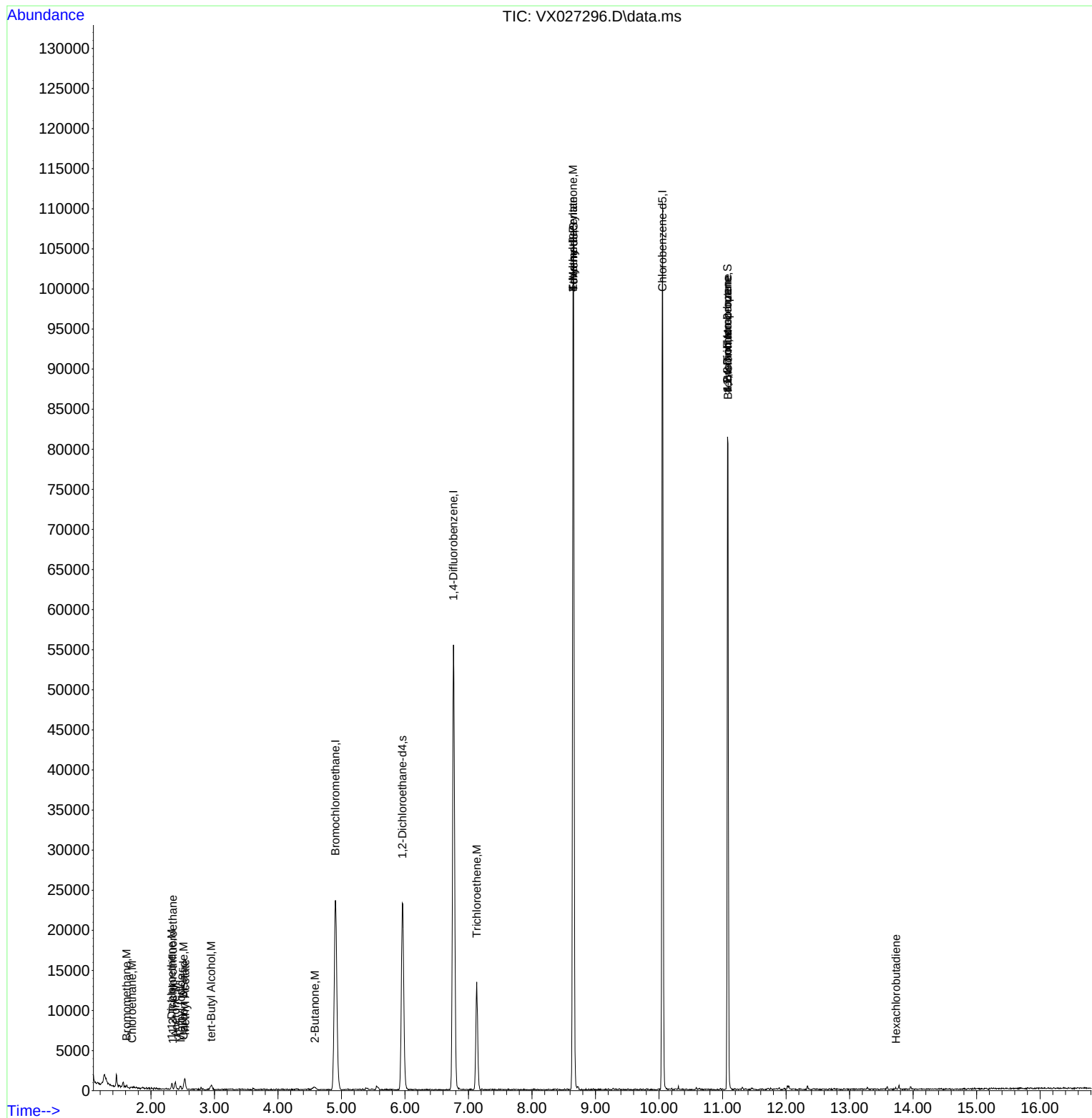
Internal Standards						
1) Bromochloromethane	4.904	128	10799	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	58552	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	50421	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	23145	30.958	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.200%	
60) 4-Bromofluorobenzene	11.079	95	22375	27.393	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.300%	
63) Toluene-d8	8.653	98	66197	30.032	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	146	0.510	ug/l	92
6) Chloroethane	1.703	64	75	0.238	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.343	101	180	0.283	ug/l #	64
10) 1,1-Dichloroethene	2.325	96	199	0.322	ug/l #	77
11) Methyl Iodide	2.471	142	340	0.472	ug/l #	92
12) Methyl Acetate	2.538	43	322	0.400	ug/l #	47
15) Acetone	2.386	58	286	2.746	ug/l	90
16) Carbon Disulfide	2.514	76	540	0.329	ug/l #	75
23) tert-Butyl Alcohol	2.947	59	385	2.679	ug/l #	100
30) 2-Butanone	4.580	43	159	0.315	ug/l #	54
37) Trichloroethene	7.129	130	5200	6.580	ug/l	97
51) Ethyl methacrylate	8.647	69	248	0.234	ug/l #	72
56) Bromoform	11.085	173	216	0.396	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	263	0.288	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	11167	12.620	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	11167	42.599	ug/l #	3
90) Hexachlorobutadiene	13.731	225	87	0.225	ug/l #	54

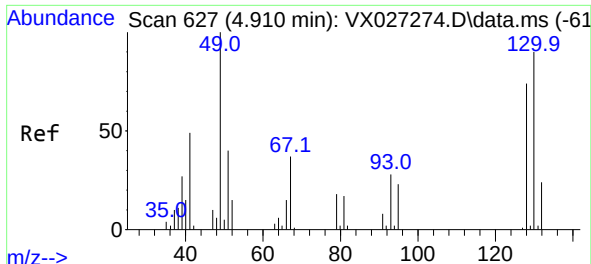
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
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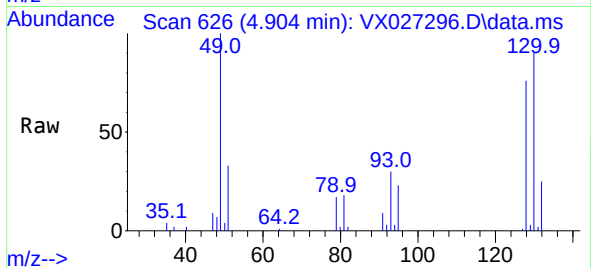
Quant Time: Mar 05 01:49:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
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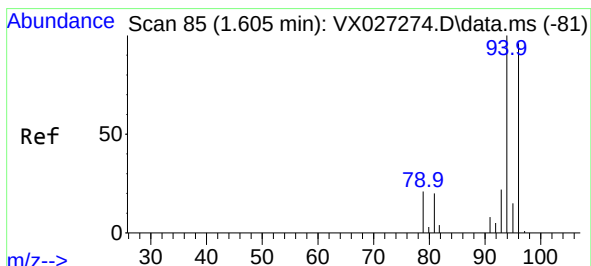
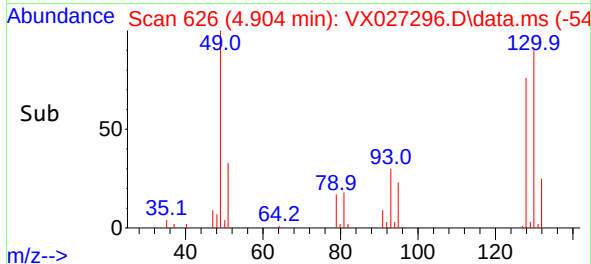
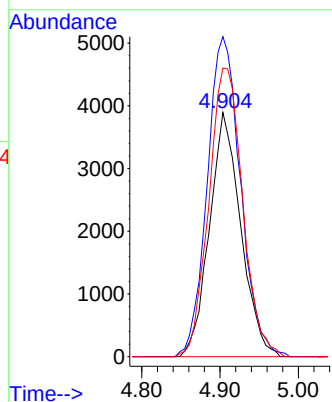


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Instrument :
MSVOA_X
ClientSampleId :

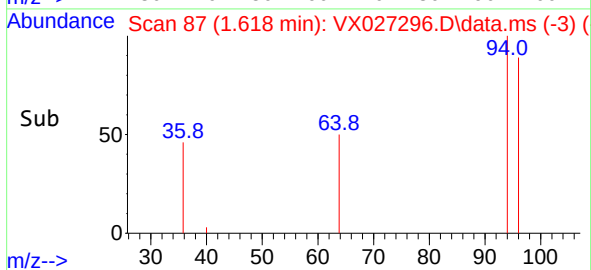
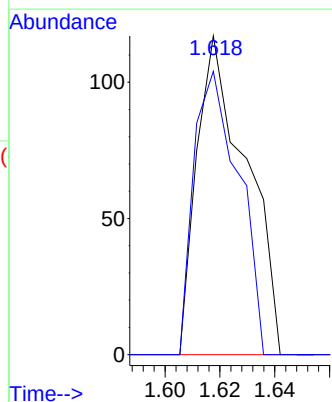
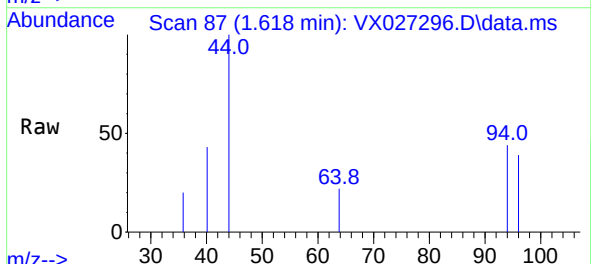


Tgt Ion:128 Resp: 10799
Ion Ratio Lower Upper
128 100
49 139.8 0.0 358.3
130 127.8 0.0 319.3

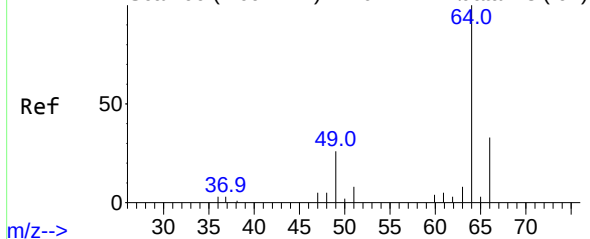


#5
Bromomethane
Concen: 0.510 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 88.9 77.0 115.6



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

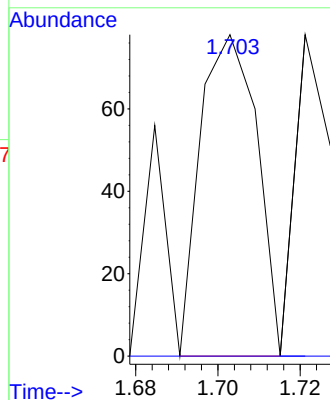
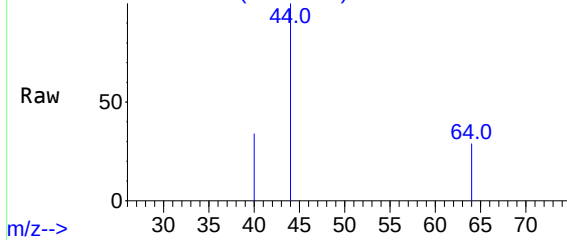


#6
Chloroethane
Concen: 0.238 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

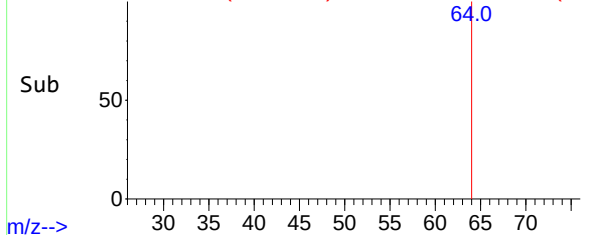
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

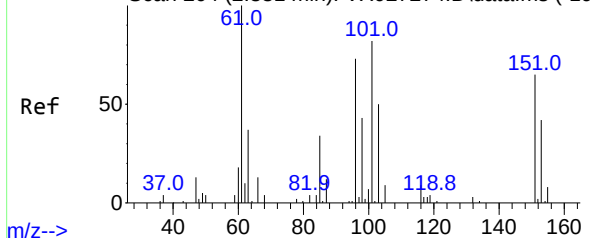
Abundance Scan 101 (1.703 min): VX027296.D\data.ms



Abundance Scan 101 (1.703 min): VX027296.D\data.ms (-17)



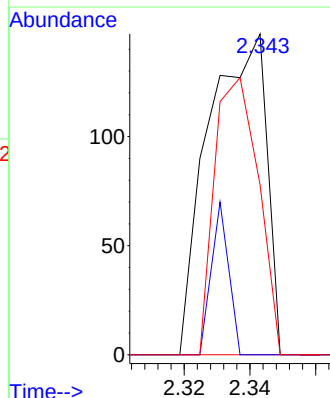
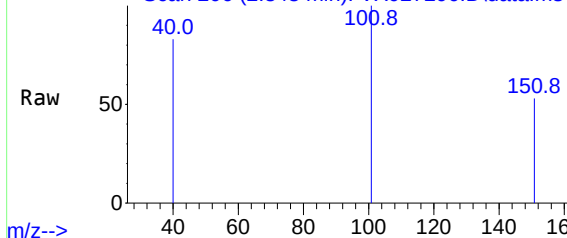
Abundance Scan 204 (2.331 min): VX027274.D\data.ms (-19)



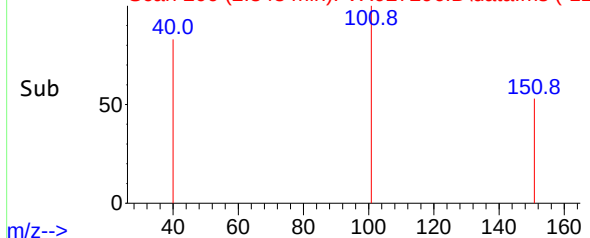
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.283 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.012 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

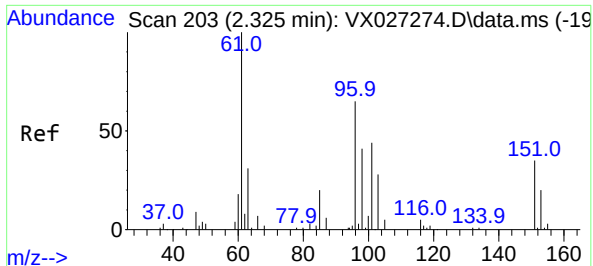
Tgt Ion: 101 Resp: 180
Ion Ratio Lower Upper
101 100
85 0.0 0.0 84.6
151 65.0 0.0 165.4

Abundance Scan 206 (2.343 min): VX027296.D\data.ms



Abundance Scan 206 (2.343 min): VX027296.D\data.ms (-12)

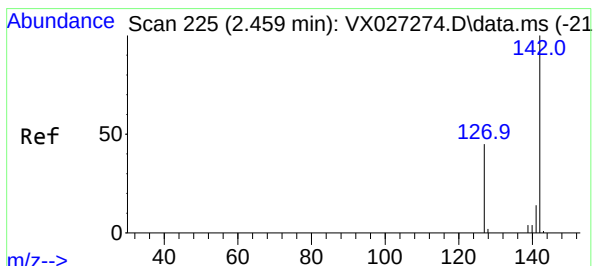
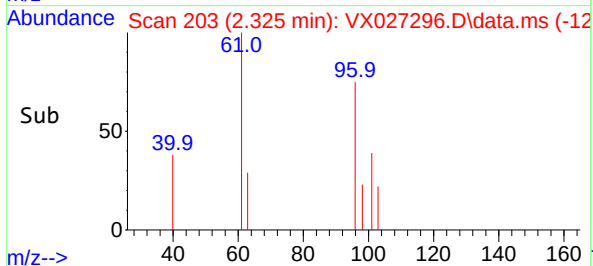
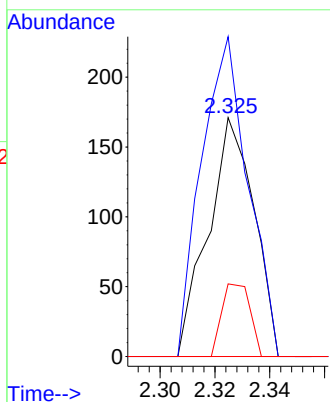
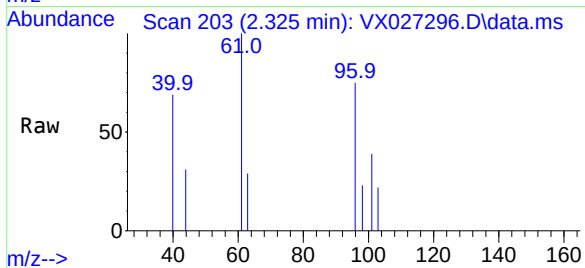




#10
1,1-Dichloroethene
Concen: 0.322 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

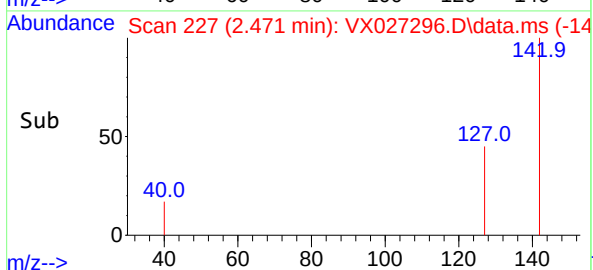
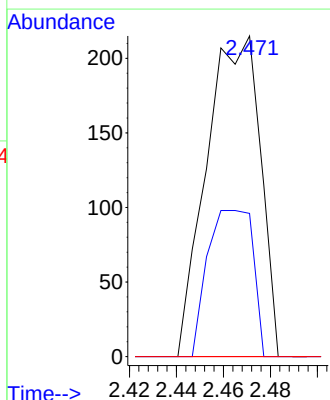
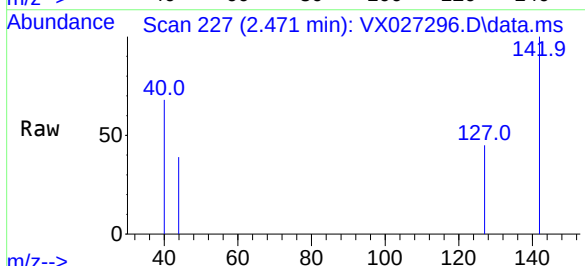
Instrument :
MSVOA_X
ClientSampleId :

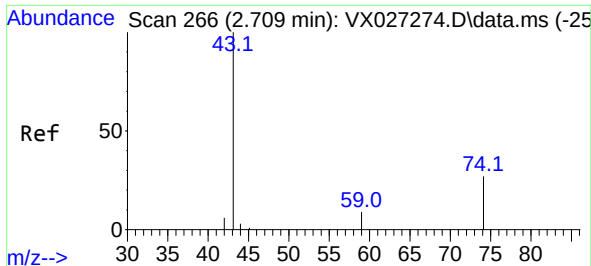
Tgt Ion: 96 Resp: 199
Ion Ratio Lower Upper
96 100
61 133.9 122.6 183.8
98 30.4 50.1 75.1#



#11
Methyl Iodide
Concen: 0.472 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Tgt Ion: 142 Resp: 340
Ion Ratio Lower Upper
142 100
127 44.7 22.3 66.9
141 0.0 7.0 20.9#





#12

Methyl Acetate

Concen: 0.400 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.171 min

Lab File: VX027296.D

Acq: 04 Mar 2022 13:07

Instrument :

MSVOA_X

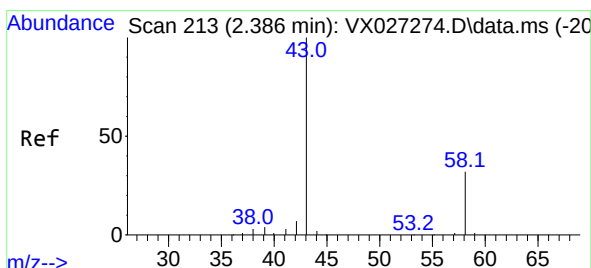
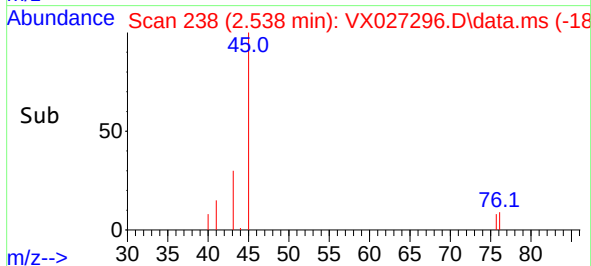
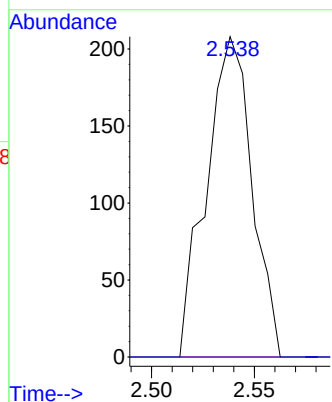
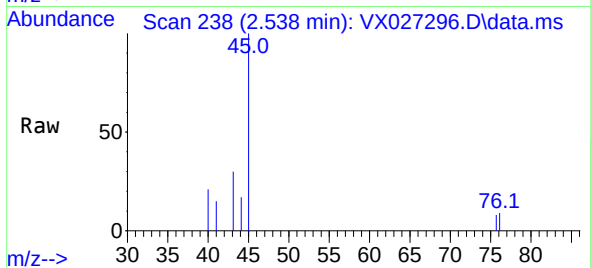
ClientSampleId :

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#



#15

Acetone

Concen: 2.746 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX027296.D

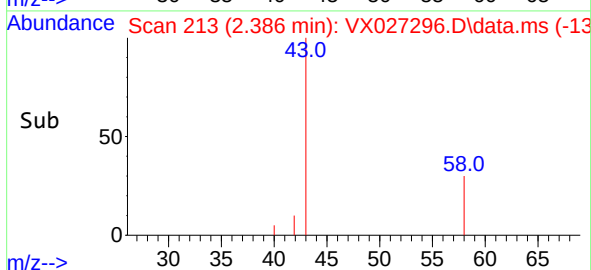
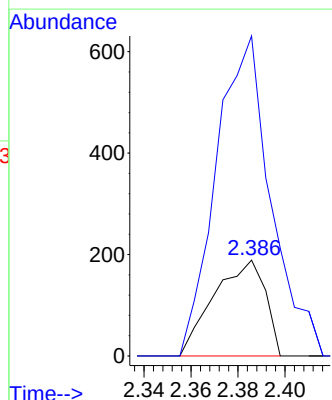
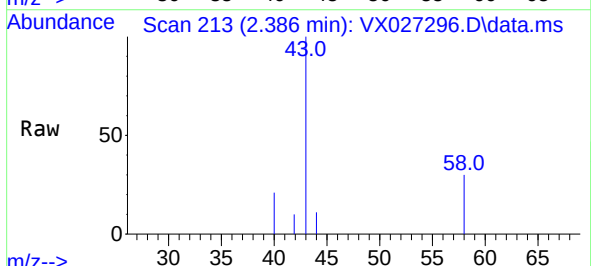
Acq: 04 Mar 2022 13:07

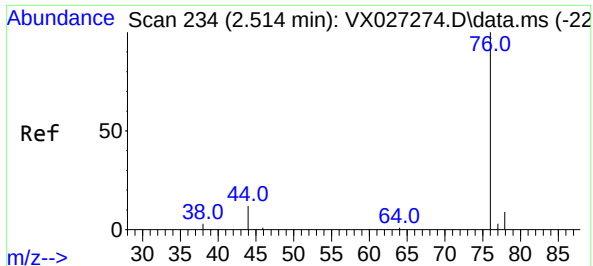
Tgt Ion: 58 Resp: 286

Ion Ratio Lower Upper

58 100

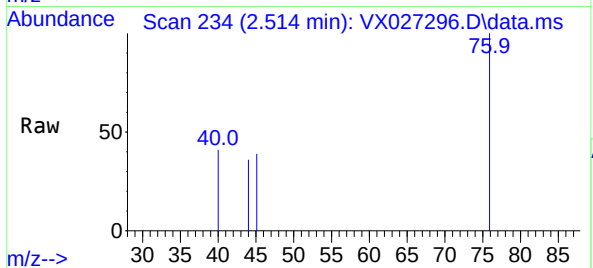
43 333.9 250.2 375.2



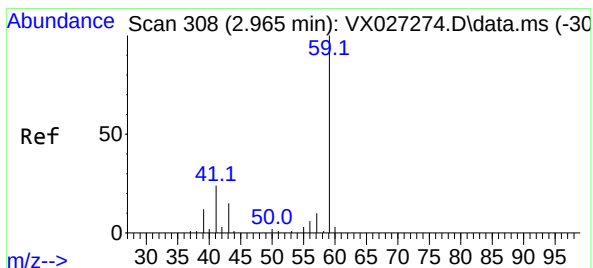
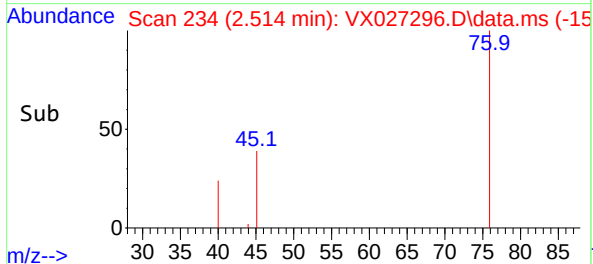
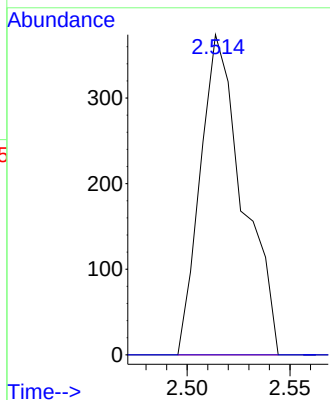


#16
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Instrument :
MSVOA_X
ClientSampleId :

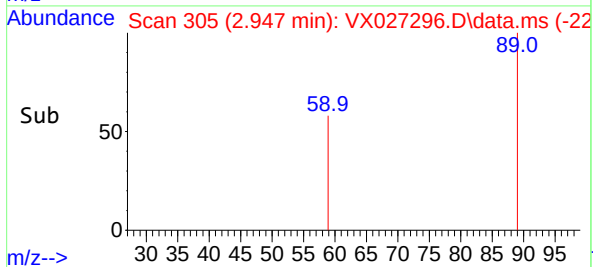
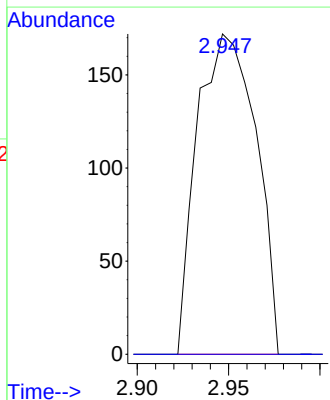
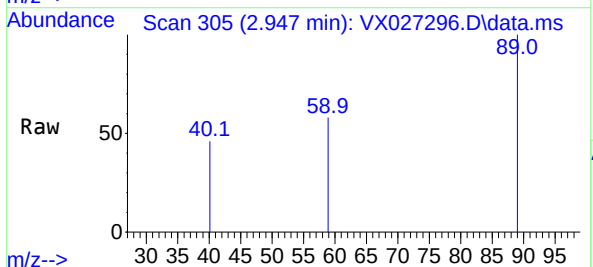


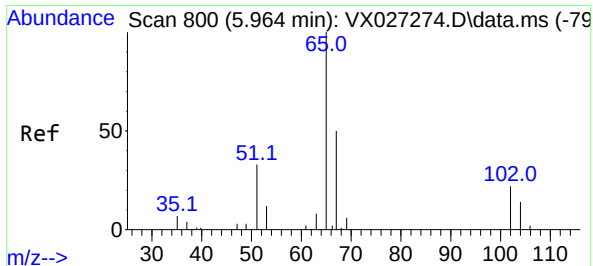
Tgt Ion: 76 Resp: 540
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#23
tert-Butyl Alcohol
Concen: 2.679 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

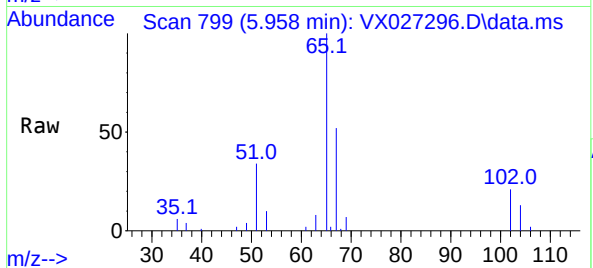
Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



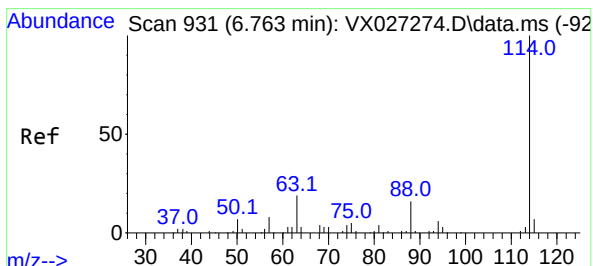
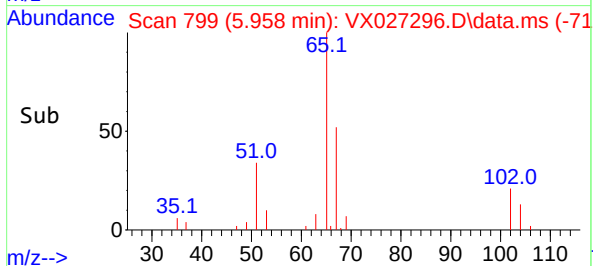
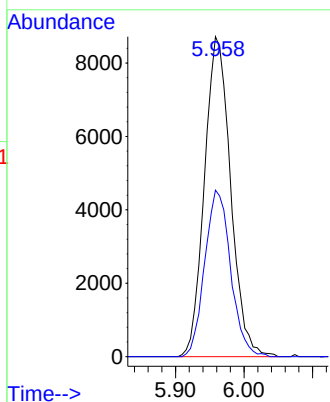


#27
1,2-Dichloroethane-d4
Concen: 30.958 ug/l
RT: 5.958 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Instrument :
MSVOA_X
ClientSampleId :

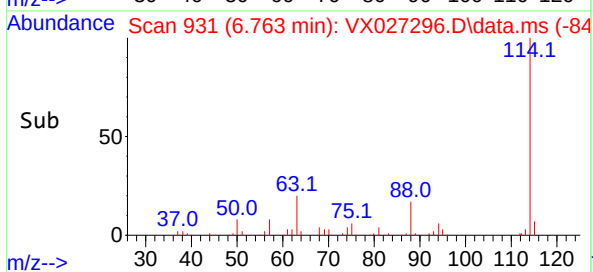
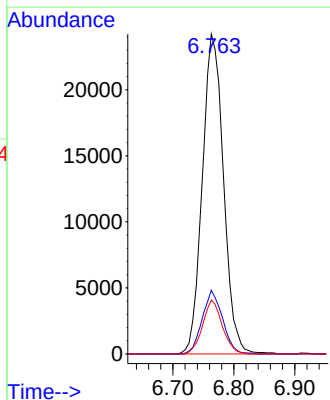
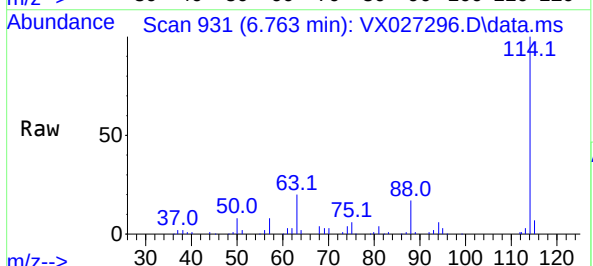


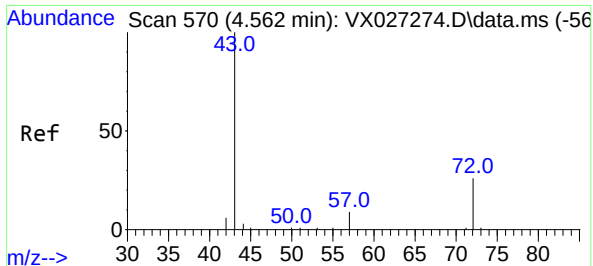
Tgt Ion: 65 Resp: 23145
Ion Ratio Lower Upper
65 100
67 51.2 42.3 63.5



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Tgt Ion: 114 Resp: 58552
Ion Ratio Lower Upper
114 100
63 19.0 15.3 22.9
88 15.6 12.2 18.4





#30

2-Butanone

Concen: 0.315 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX027296.D

Acq: 04 Mar 2022 13:07

Instrument :

MSVOA_X

ClientSampleId :

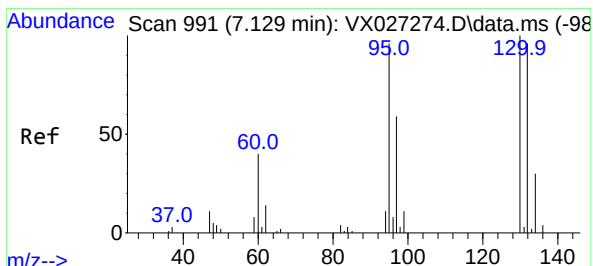
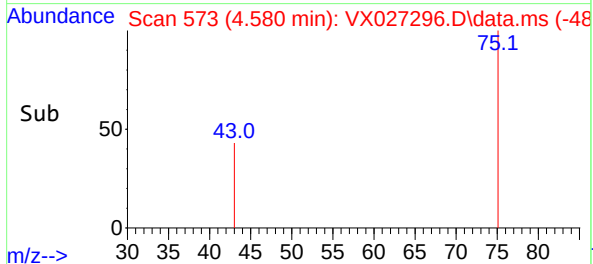
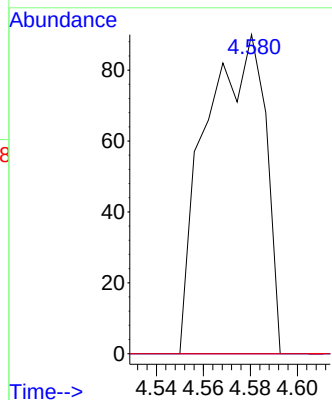
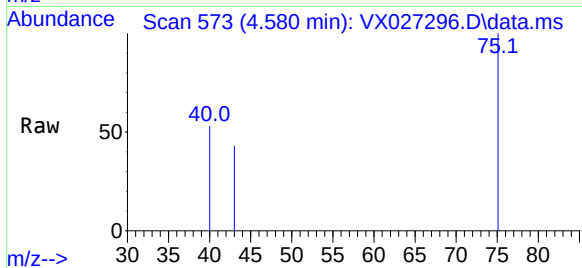
Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 22.1 33.1#



#37

Trichloroethene

Concen: 6.580 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX027296.D

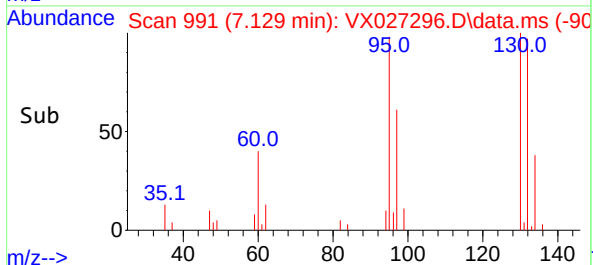
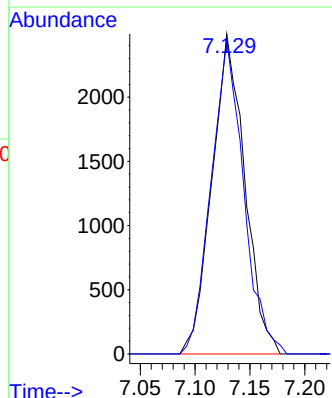
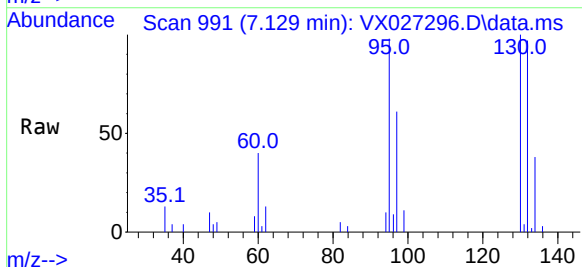
Acq: 04 Mar 2022 13:07

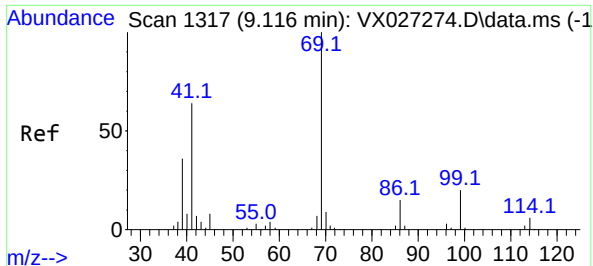
Tgt Ion:130 Resp: 5200

Ion Ratio Lower Upper

130 100

95 98.3 76.5 114.7





#51

Ethyl methacrylate

Concen: 0.234 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.469 min

Lab File: VX027296.D

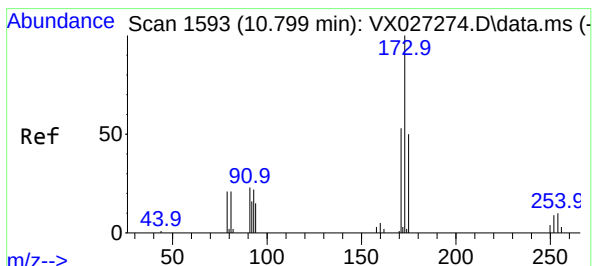
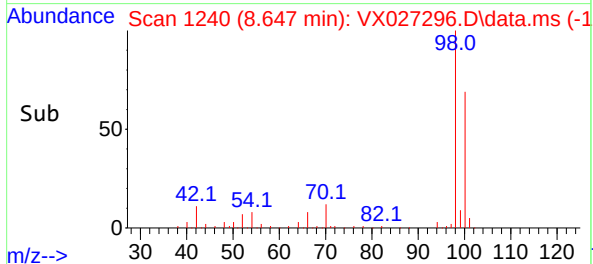
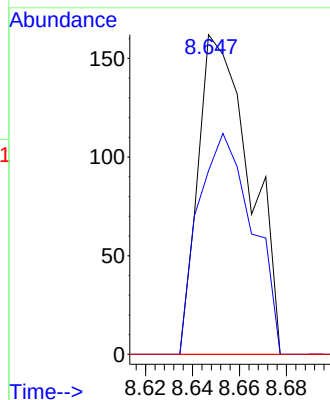
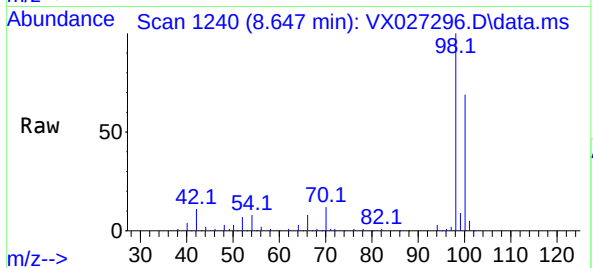
Acq: 04 Mar 2022 13:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	69	Resp:	248
Ion	Ratio	Lower	Upper
69	100		
41	57.4	32.1	96.5
39	0.0	18.3	54.9#



#56

Bromoform

Concen: 0.396 ug/l

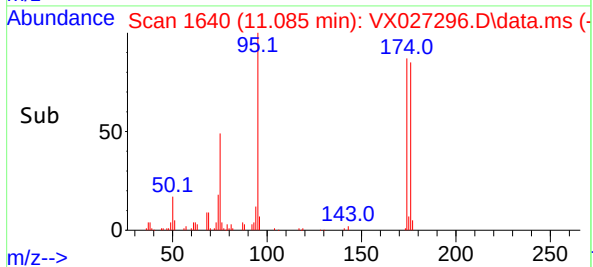
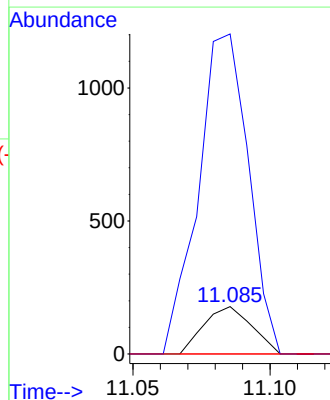
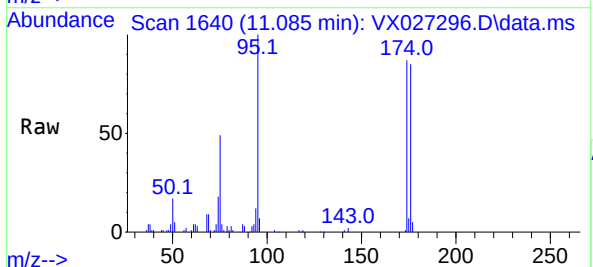
RT: 11.085 min Scan# 1640

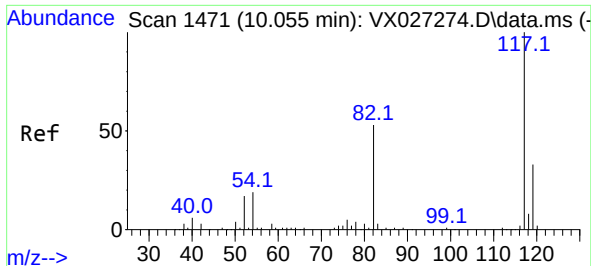
Delta R.T. 0.287 min

Lab File: VX027296.D

Acq: 04 Mar 2022 13:07

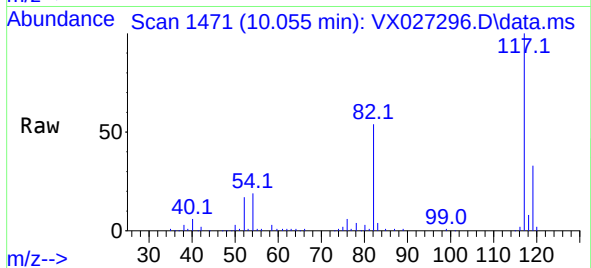
Tgt Ion:	173	Resp:	216
Ion	Ratio	Lower	Upper
173	100		
175	709.3	40.3	60.5#
254	0.0	7.4	11.2#



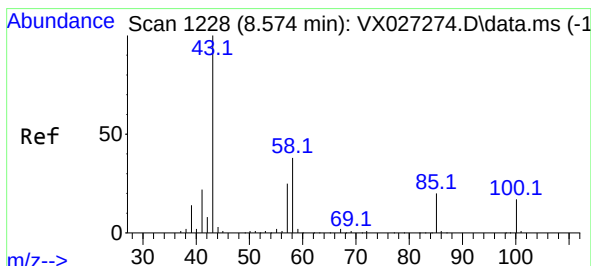
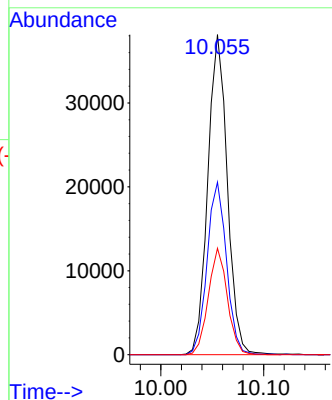
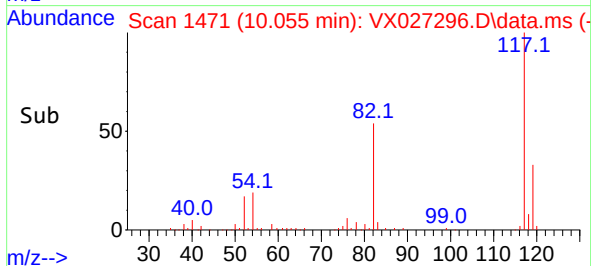


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

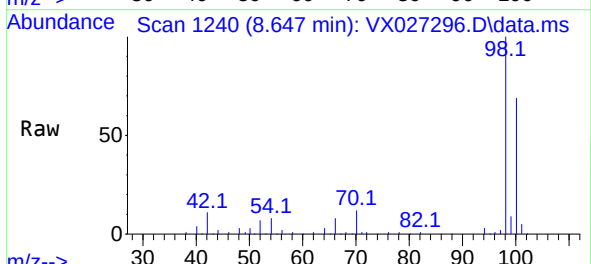
Instrument :
MSVOA_X
ClientSampleId :



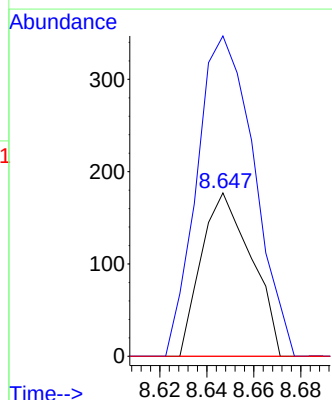
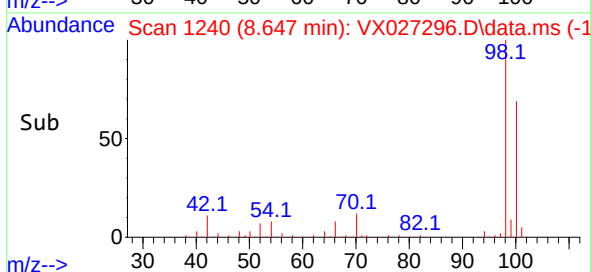
Tgt Ion:117 Resp: 50421
Ion Ratio Lower Upper
117 100
82 53.5 42.3 63.5
119 32.5 26.2 39.2

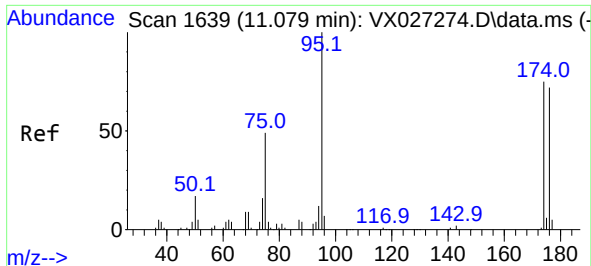


#58
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07



Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 223.6 31.8 47.6#
85 0.0 15.8 23.6#

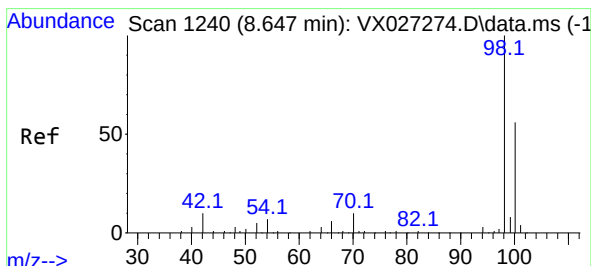
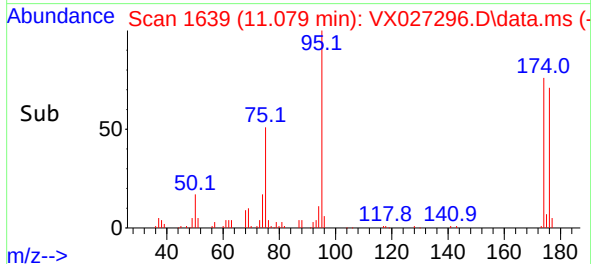
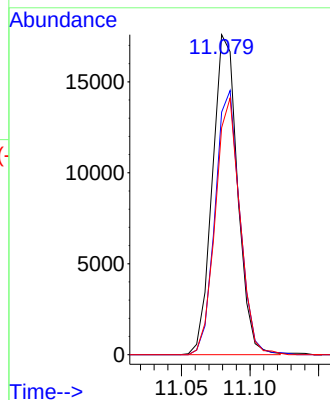
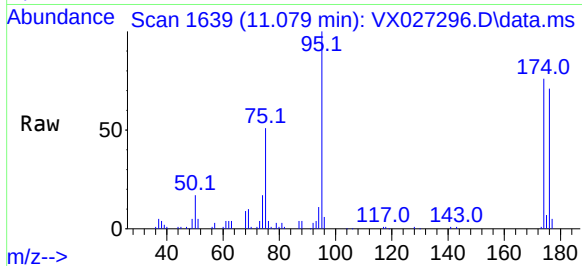




#60
4-Bromofluorobenzene
Concen: 27.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

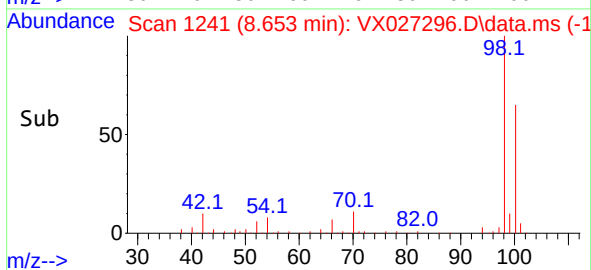
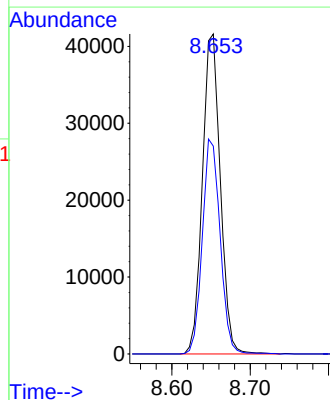
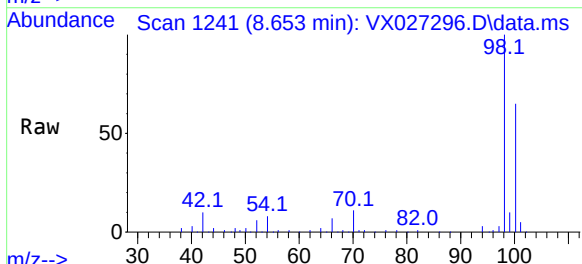
Instrument :
MSVOA_X
ClientSampleId :

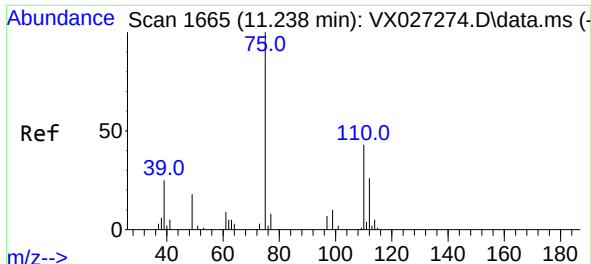
Tgt Ion: 95 Resp: 22375
Ion Ratio Lower Upper
95 100
174 81.1 65.4 98.2
176 78.6 63.4 95.0



#63
Toluene-d8
Concen: 30.032 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Tgt Ion: 98 Resp: 66197
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2

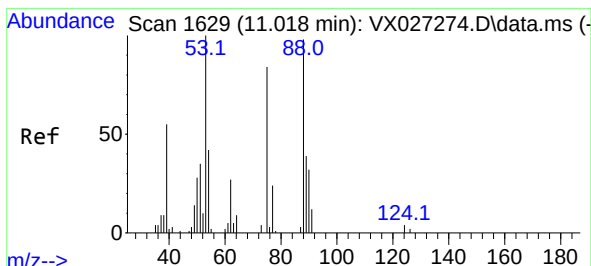
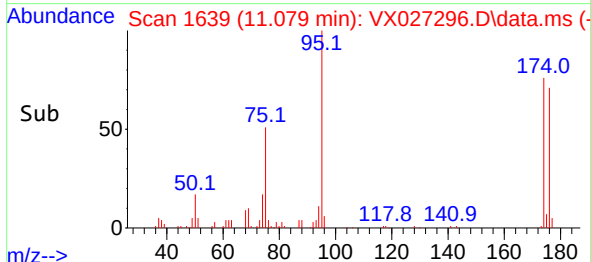
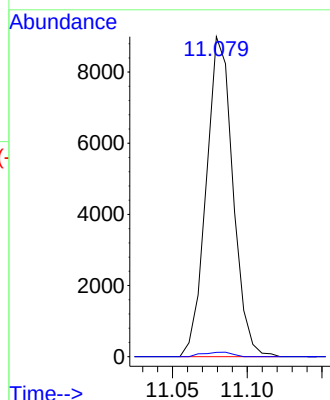
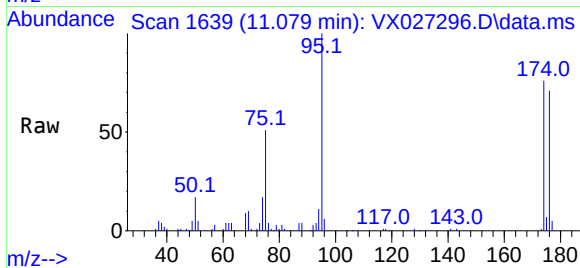




#72
1,2,3-Trichloropropane
Concen: 12.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

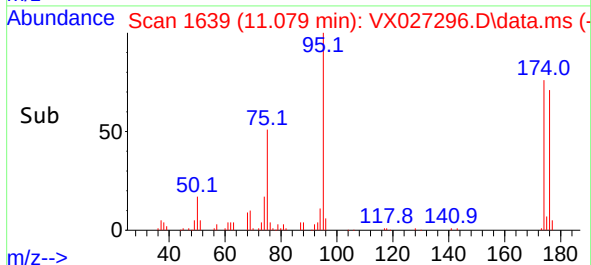
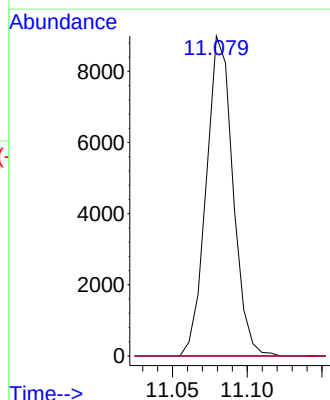
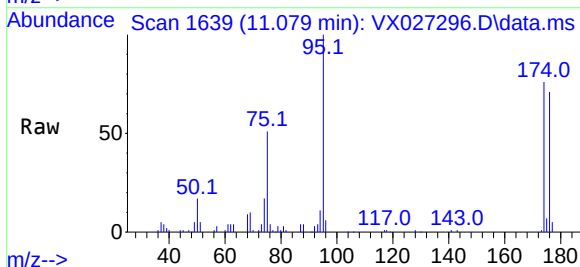
Instrument :
MSVOA_X
ClientSampleId :

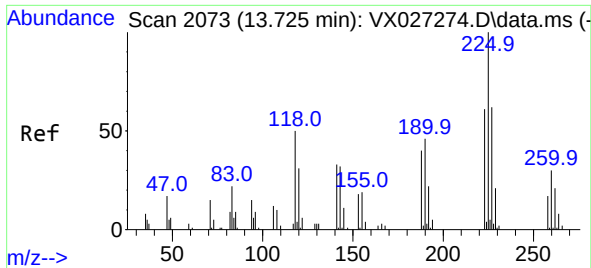
Tgt Ion: 75 Resp: 11167
Ion Ratio Lower Upper
75 100
77 1.6 0.0 78.6



#77
t-1,4-Dichloro-2-butene
Concen: 42.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027296.D
Acq: 04 Mar 2022 13:07

Tgt Ion: 75 Resp: 11167
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#





#90

Hexachlorobutadiene

Concen: 0.225 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

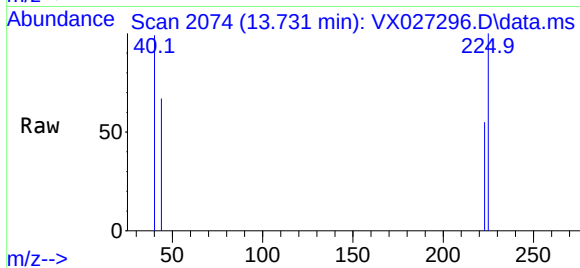
Lab File: VX027296.D

Acq: 04 Mar 2022 13:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:225 Resp: 87

Ion Ratio Lower Upper

225 100

223 54.0 0.0 126.0

227 0.0 0.0 125.0

