

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031622\
 Data File : VX027471.D
 Acq On : 16 Mar 2022 15:16
 Operator : JC/MD
 Sample : N1950-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31340RE

Quant Time: Mar 17 00:51:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

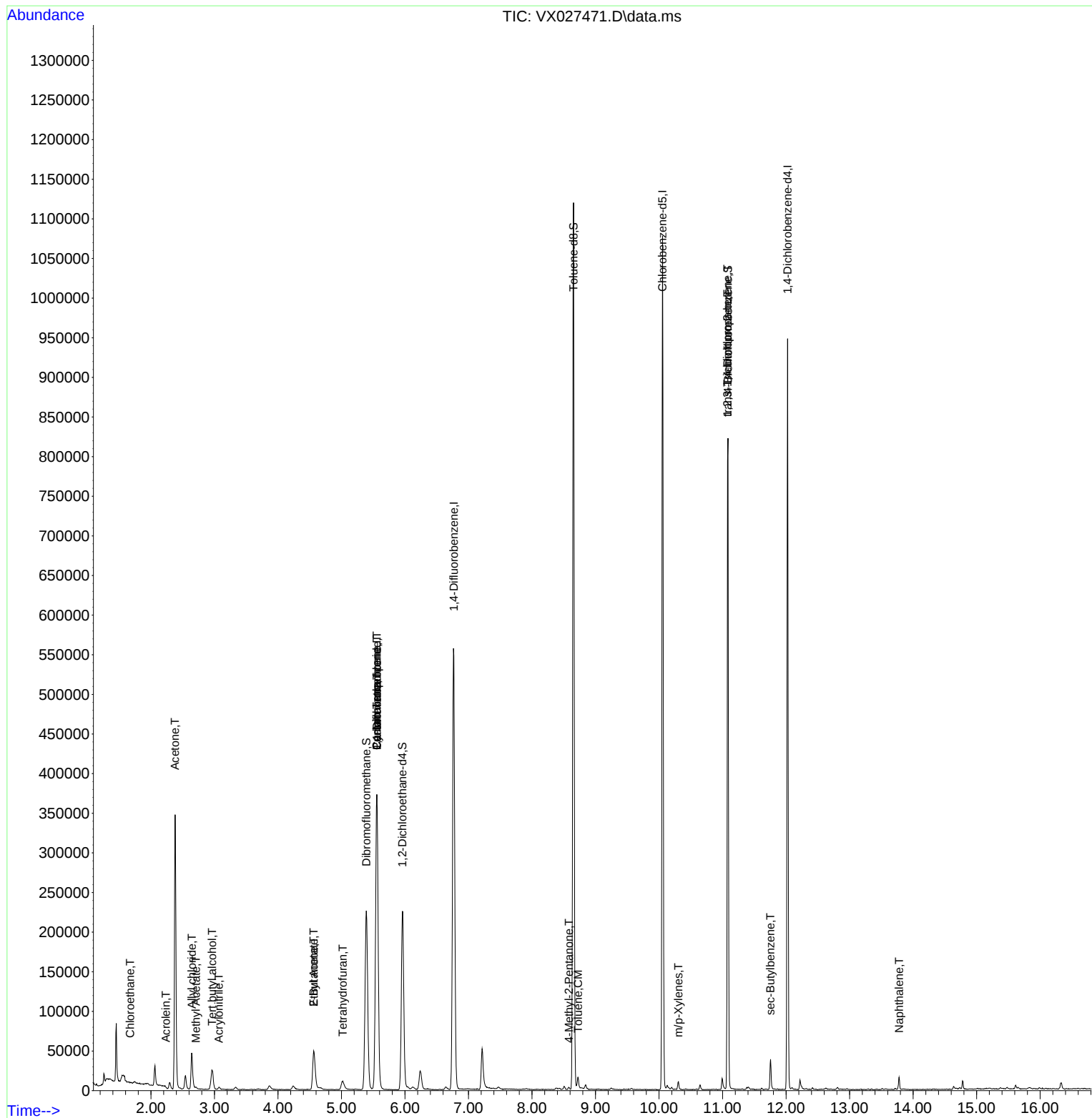
Internal Standards						
1) Pentafluorobenzene	5.556	168	364211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	588412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	494482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	191058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228171	53.722	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.440%	
35) Dibromofluoromethane	5.391	113	197984	52.145	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.300%	
50) Toluene-d8	8.653	98	681150	47.520	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.040%	
62) 4-Bromofluorobenzene	11.085	95	223093	40.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 81.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	671	Below Cal	#	72
6) Chloroethane	1.672	64	606	0.686	ug/l #	43
11) Tert butyl alcohol	2.965	59	29457	35.378	ug/l	98
13) Acrolein	2.233	56	399	0.684	ug/l #	15
14) Allyl chloride	2.642	41	47476	8.571	ug/l #	40
15) Acrylonitrile	3.068	53	2208	1.008	ug/l	97
16) Acetone	2.379	43	346617	210.111	ug/l	98
18) Methyl Acetate	2.709	43	2587	0.554	ug/l #	88
25) 2-Butanone	4.562	43	83728	28.619	ug/l	96
29) Tetrahydrofuran	5.019	42	2809	1.451	ug/l #	81
31) Cyclohexane	5.556	56	6730	1.133	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27517	5.220	ug/l #	50
37) Ethyl Acetate	4.562	43	83728	15.068	ug/l #	65
38) Carbon Tetrachloride	5.556	117	37435	6.868	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	1299	0.232	ug/l #	83
52) Toluene	8.726	92	4203	0.411	ug/l	94
68) m/p-Xylenes	10.305	106	2338	0.332	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	109155	26.040	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	109155	84.215	ug/l #	15
85) sec-Butylbenzene	11.756	105	11817	0.818	ug/l #	56
95) Naphthalene	13.780	128	9866	0.685	ug/l	98

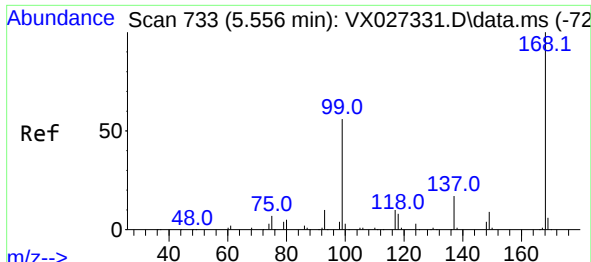
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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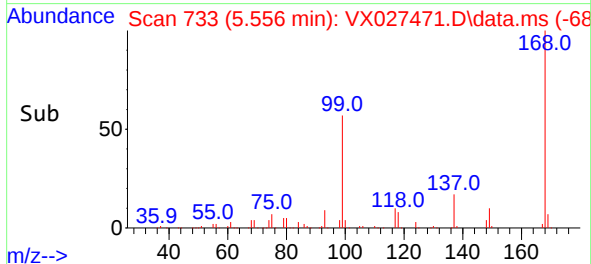
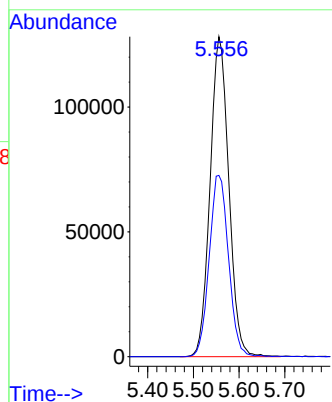
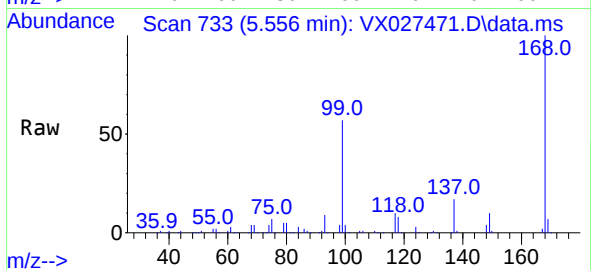




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

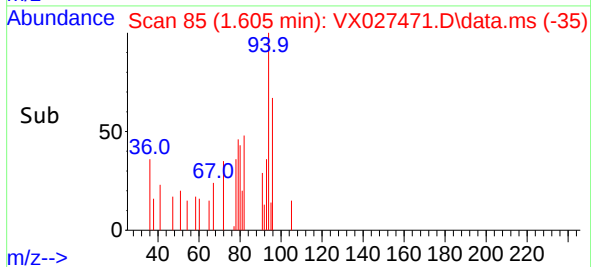
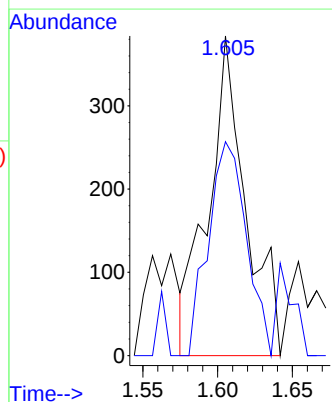
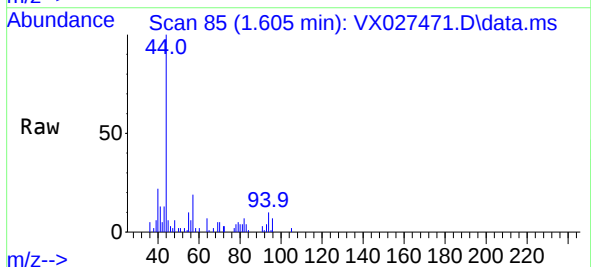
Instrument :
MSVOA_X
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31340RE

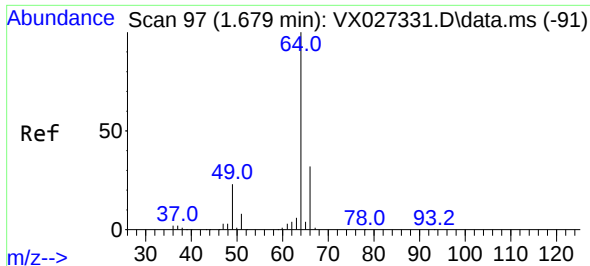
Tgt Ion:168 Resp: 364211
Ion Ratio Lower Upper
168 100
99 56.7 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 94 Resp: 671
Ion Ratio Lower Upper
94 100
96 66.9 75.3 112.9#

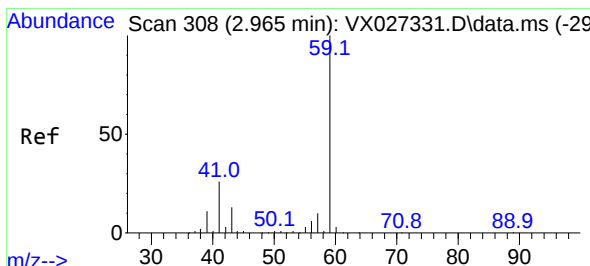
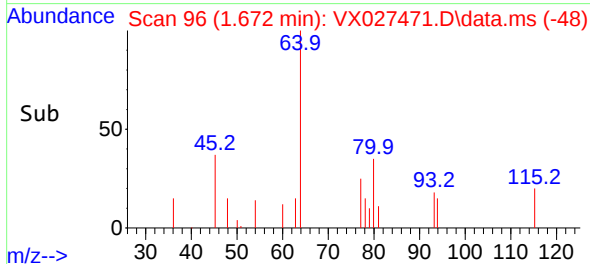
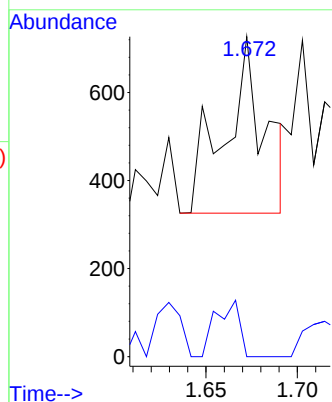
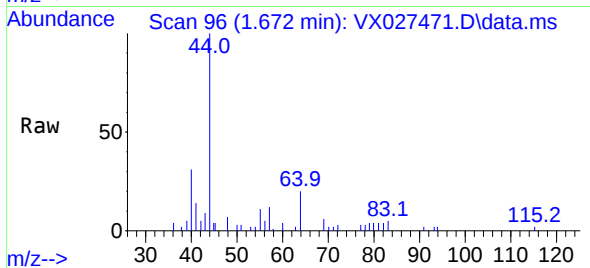




#6
Chloroethane
Concen: 0.686 ug/l
RT: 1.672 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

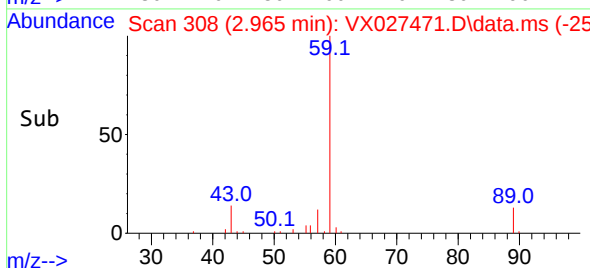
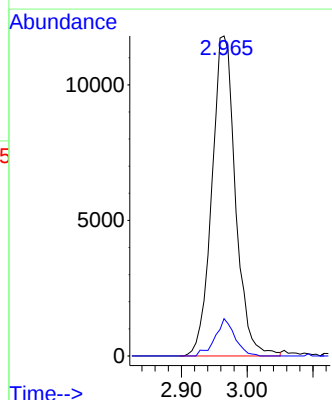
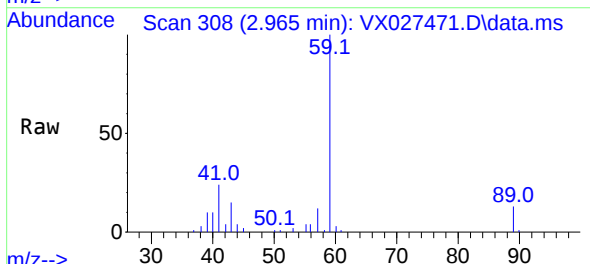
Instrument :
MSVOA_X
ClientSampleId :
31340RE

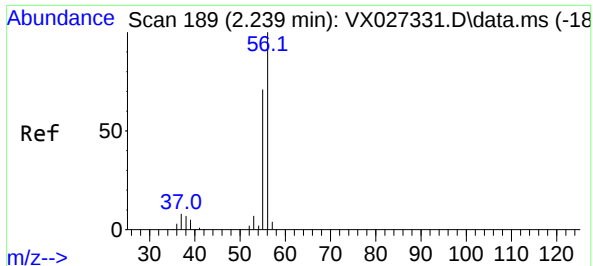
Tgt Ion: 64 Resp: 606
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 35.378 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 59 Resp: 29457
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

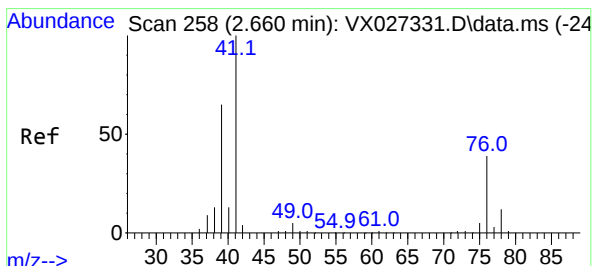
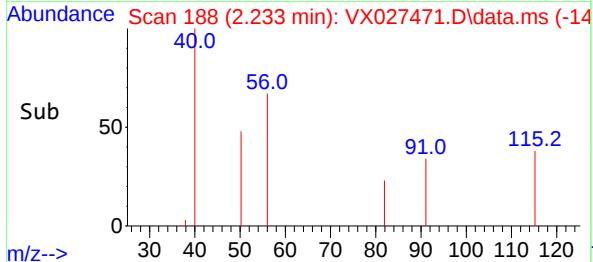
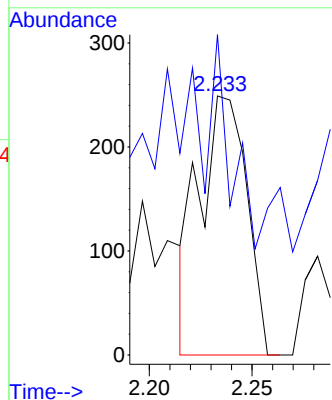
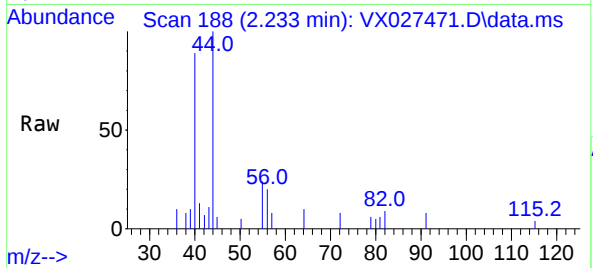




#13
Acrolein
Concen: 0.684 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

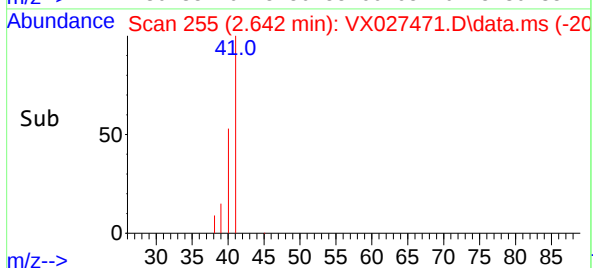
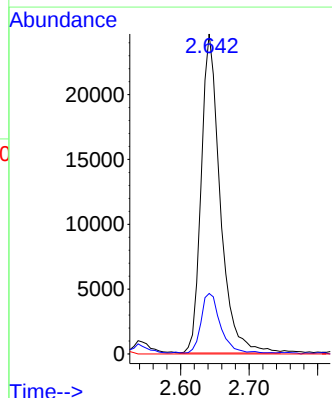
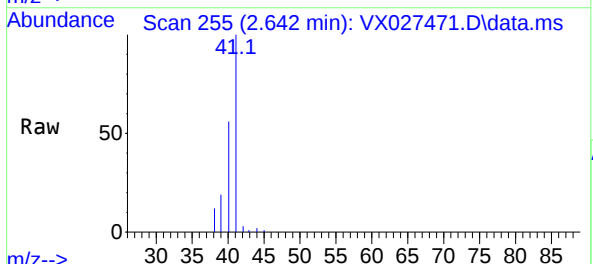
Instrument :
MSVOA_X
ClientSampleId :
31340RE

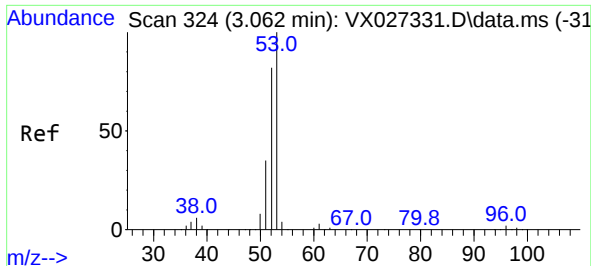
Tgt Ion: 56 Resp: 399
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#14
Allyl chloride
Concen: 8.571 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.018 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 41 Resp: 47476
Ion Ratio Lower Upper
41 100
39 19.0 50.4 75.6#
76 0.0 32.7 49.1#

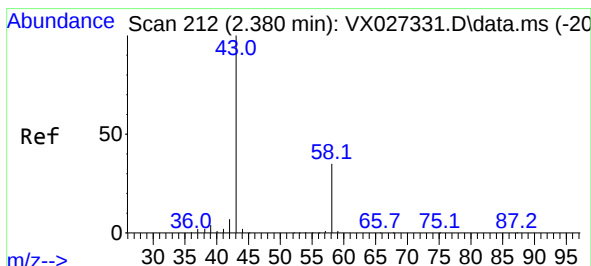
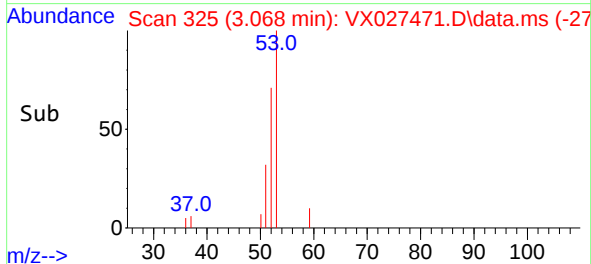
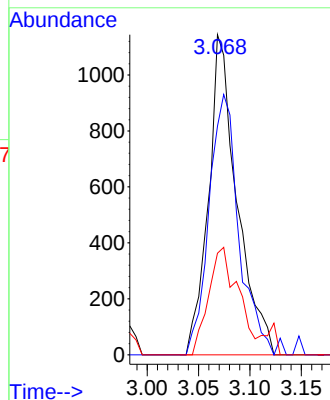
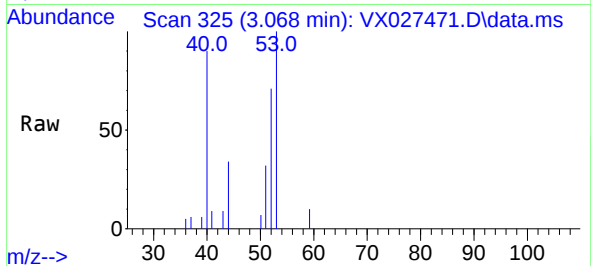




#15
Acrylonitrile
Concen: 1.008 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

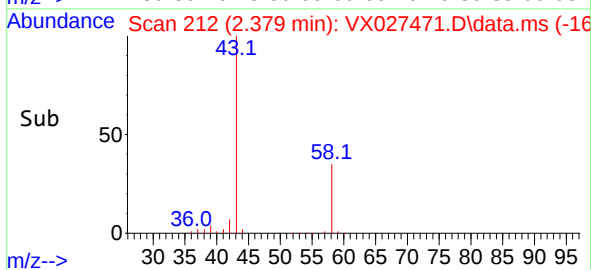
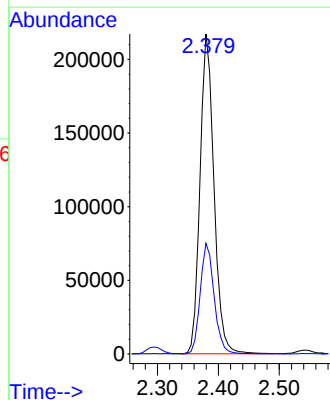
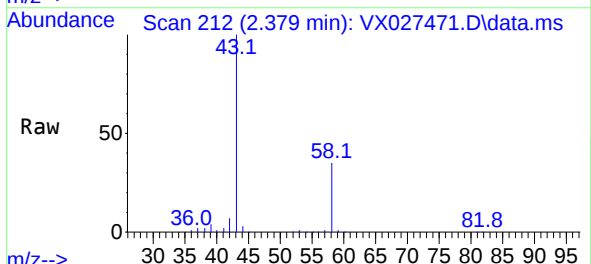
Instrument :
MSVOA_X
ClientSampleId :
31340RE

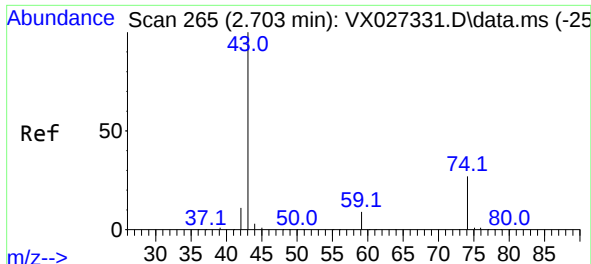
Tgt Ion: 53	Resp: 2208
Ion Ratio	Lower Upper
53 100	
52 85.9	65.7 98.5
51 34.8	28.4 42.6



#16
Acetone
Concen: 210.111 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 43	Resp: 346617
Ion Ratio	Lower Upper
43 100	
58 34.5	28.8 43.2

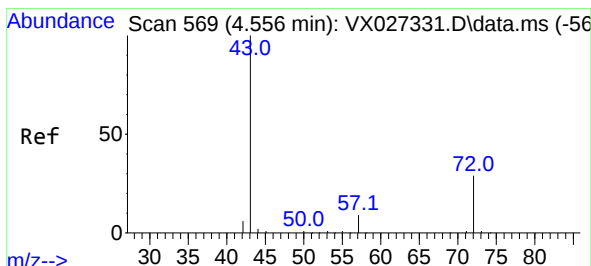
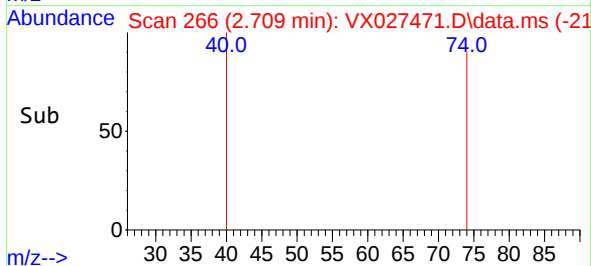
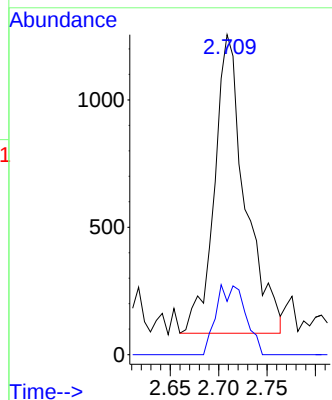
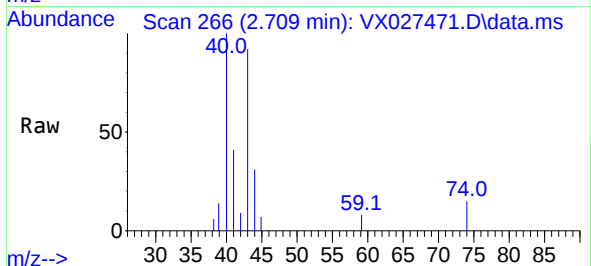




#18
Methyl Acetate
Concen: 0.554 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

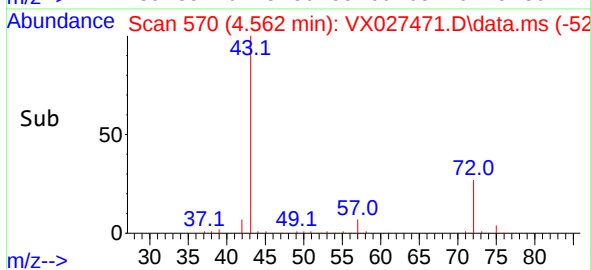
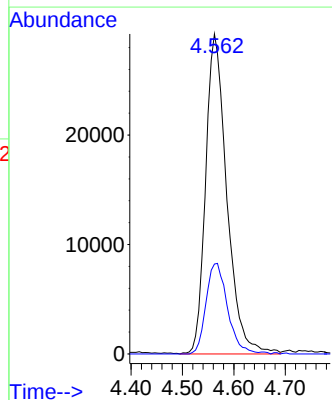
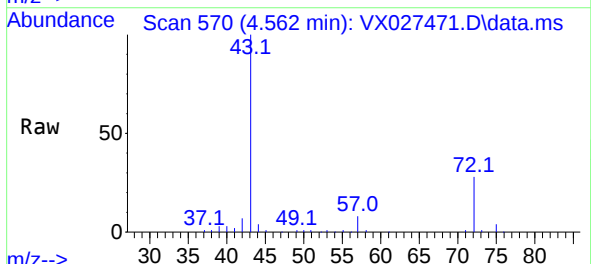
Instrument :
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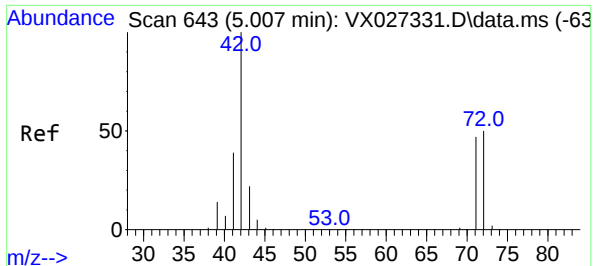
Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
74 22.2 22.8 34.2#



#25
2-Butanone
Concen: 28.619 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 43 Resp: 83728
Ion Ratio Lower Upper
43 100
72 28.1 24.4 36.6





#29

Tetrahydrofuran

Concen: 1.451 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

31340RE

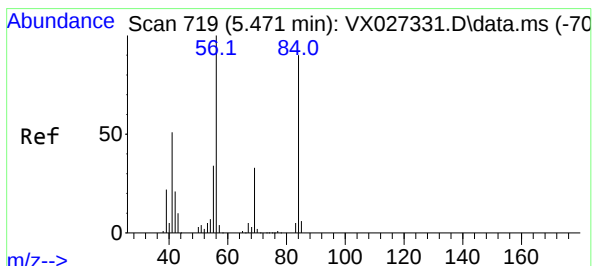
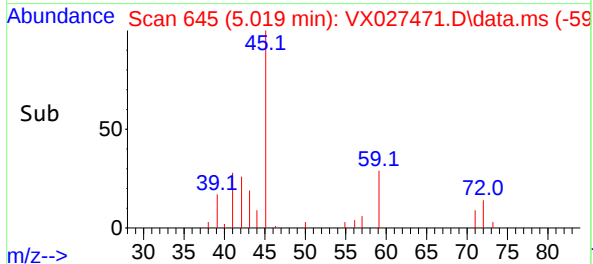
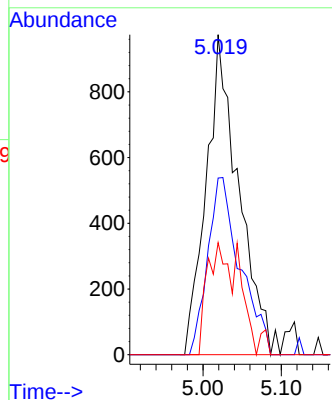
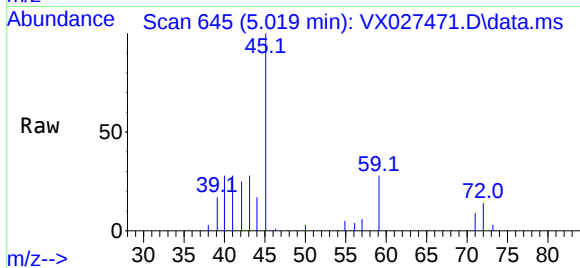
Tgt Ion: 42 Resp: 2809

Ion Ratio Lower Upper

42 100

72 55.2 44.1 66.1

71 23.7 40.5 60.7#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

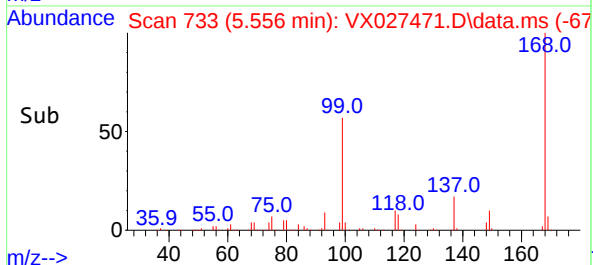
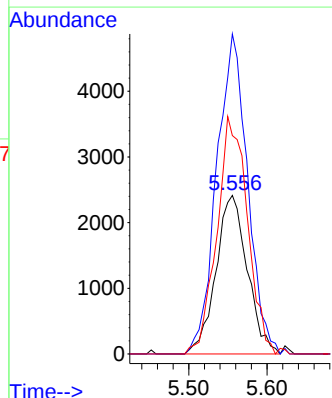
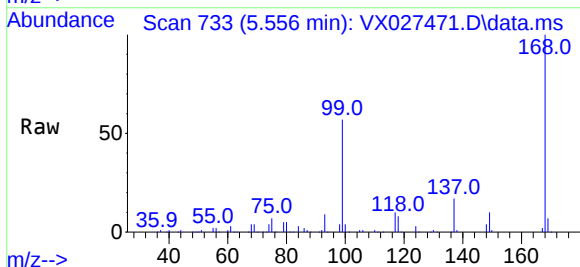
Tgt Ion: 56 Resp: 6730

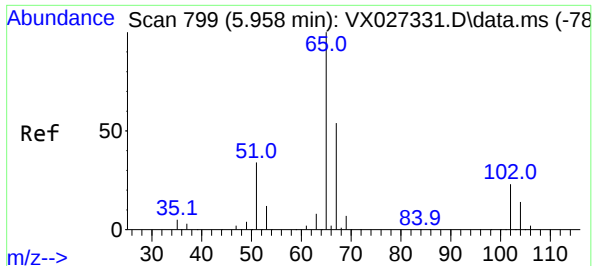
Ion Ratio Lower Upper

56 100

69 201.8 26.7 40.1#

84 137.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.722 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

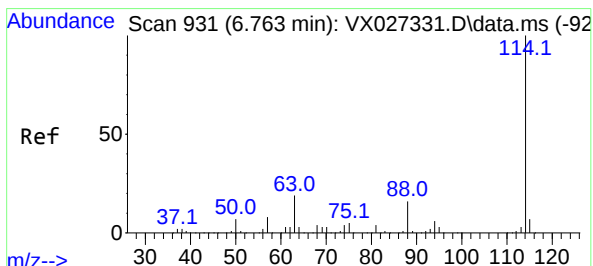
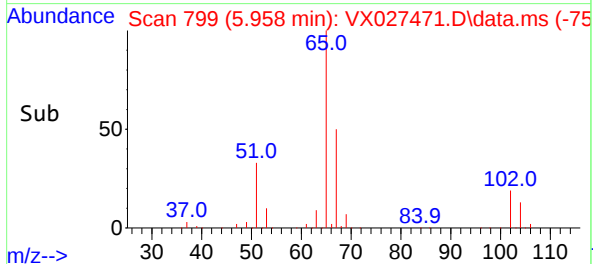
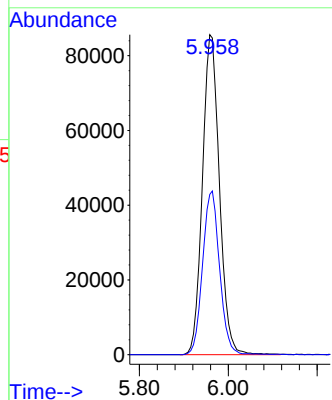
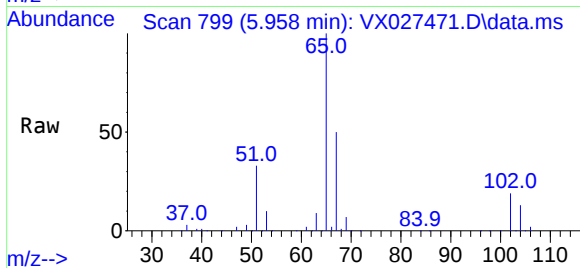
31340RE

Tgt Ion: 65 Resp: 228171

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

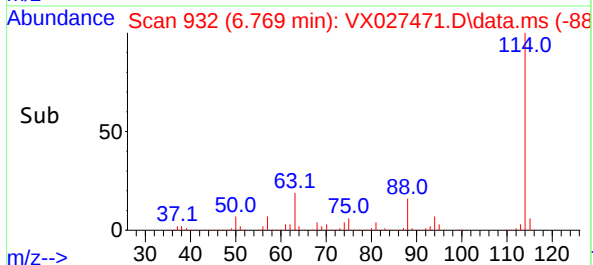
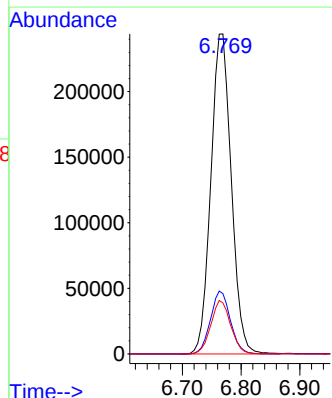
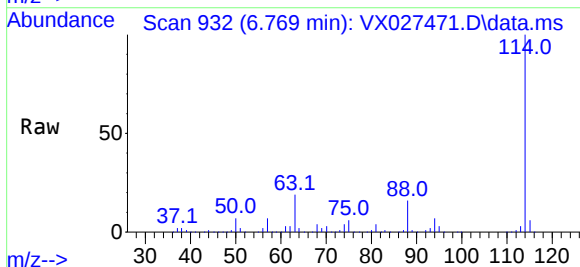
Tgt Ion: 114 Resp: 588412

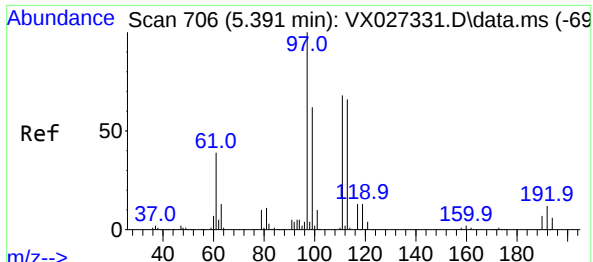
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 16.0 0.0 32.4

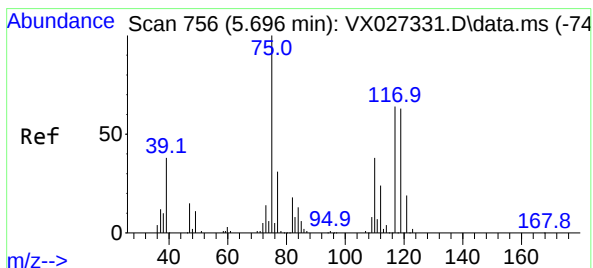
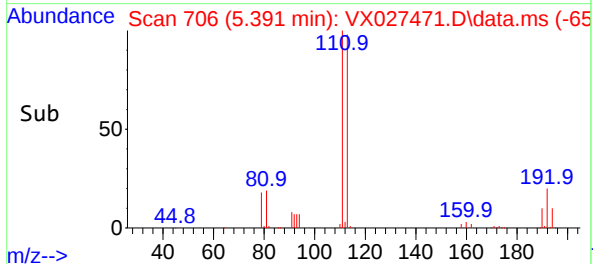
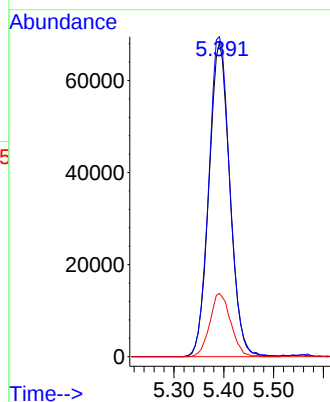
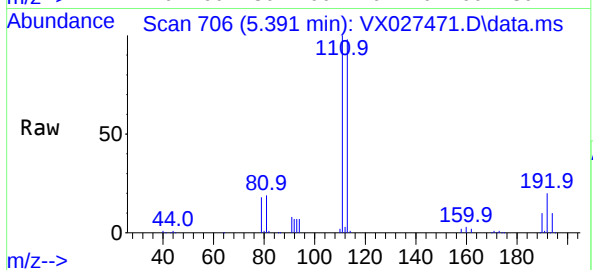




#35
Dibromofluoromethane
Concen: 52.145 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

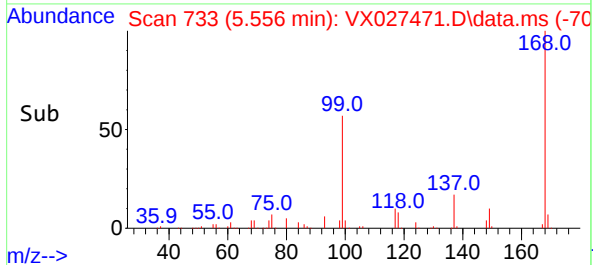
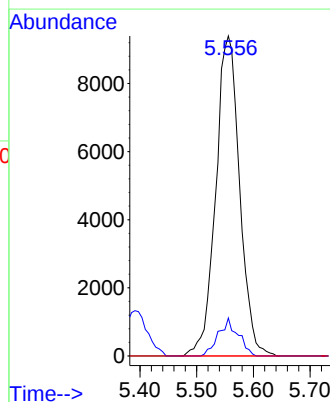
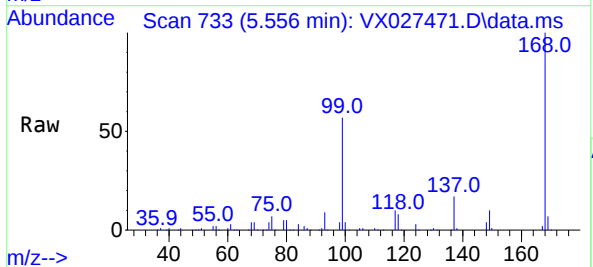
Instrument :
MSVOA_X
ClientSampleId :
31340RE

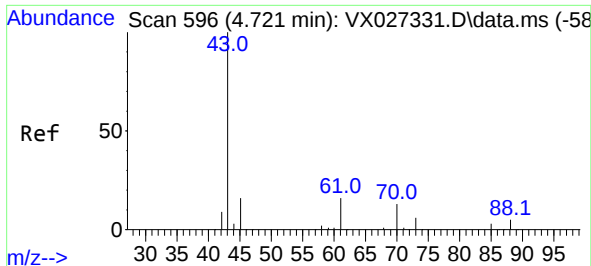
Tgt Ion:113 Resp: 197984
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 75 Resp: 27517
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 15.068 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.159 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

31340RE

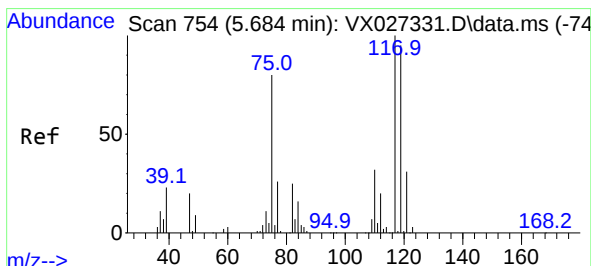
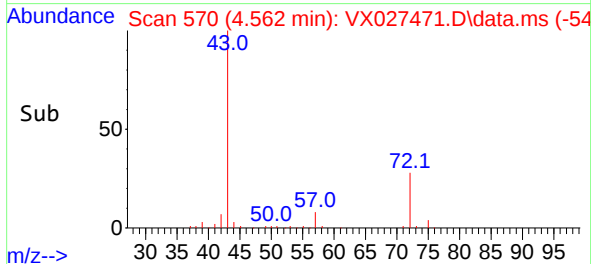
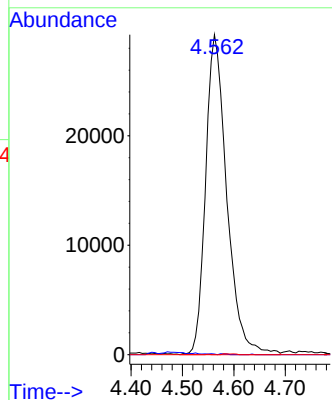
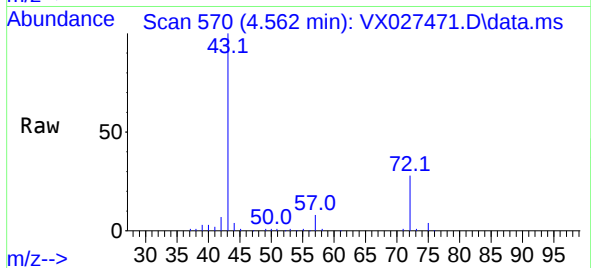
Tgt Ion: 43 Resp: 83728

Ion Ratio Lower Upper

43 100

61 0.1 12.6 19.0#

70 0.2 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.868 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

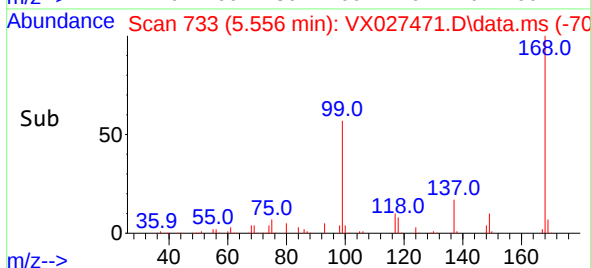
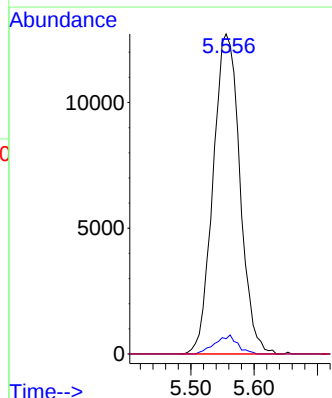
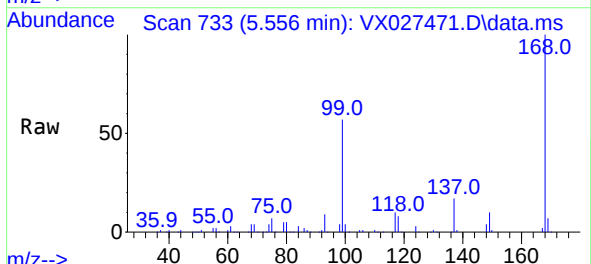
Tgt Ion: 117 Resp: 37435

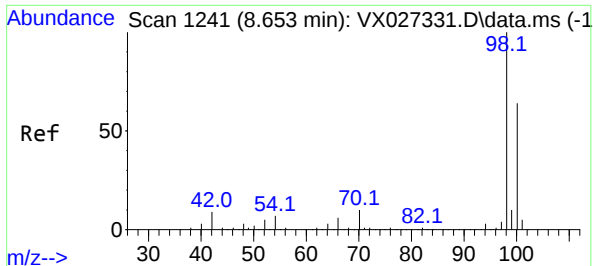
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 24.2 36.2#

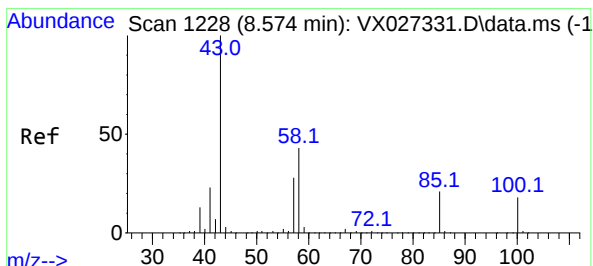
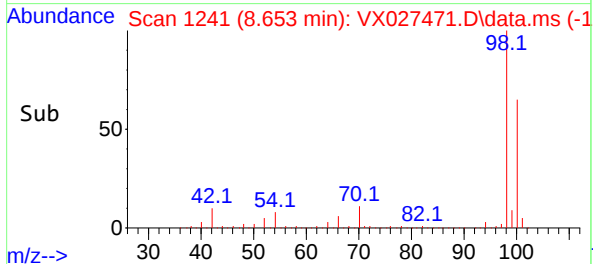
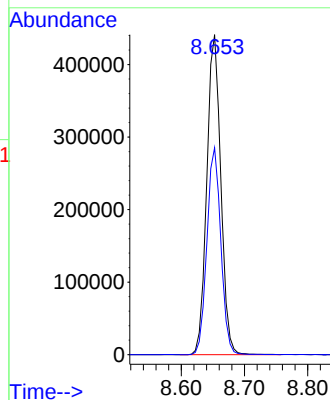
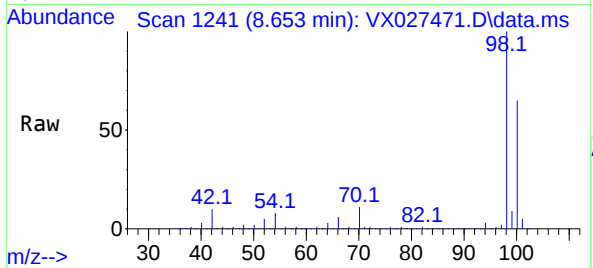




#50
Toluene-d8
Concen: 47.520 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

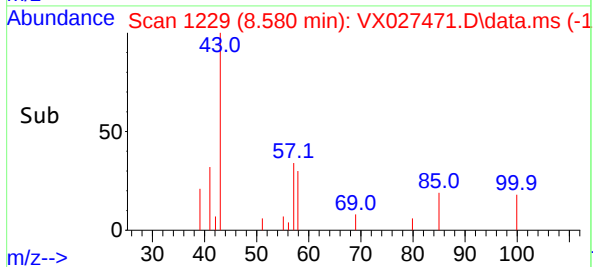
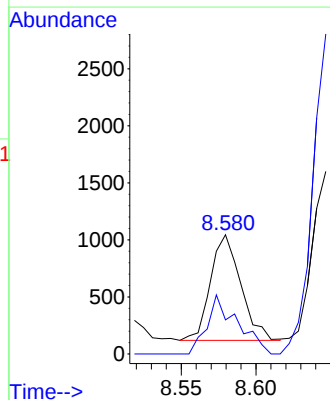
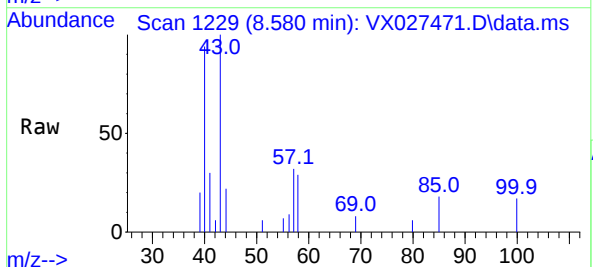
Instrument :
MSVOA_X
ClientSampleId :
31340RE

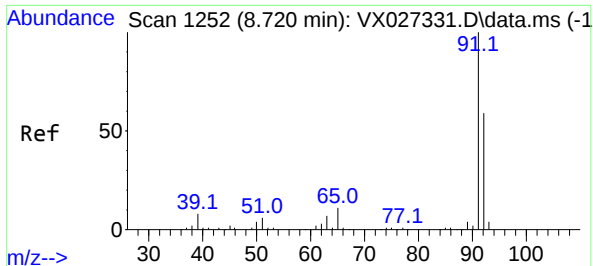
Tgt Ion: 98 Resp: 681150
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.232 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 56.0 36.1 54.1#





#52

Toluene

Concen: 0.411 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

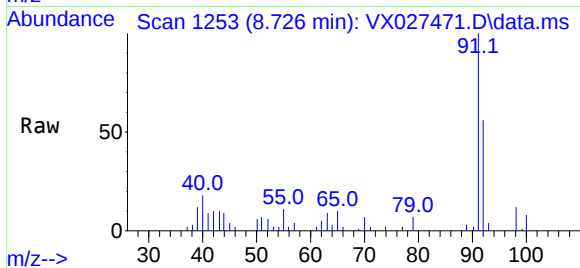
31340RE

Tgt Ion: 92 Resp: 4203

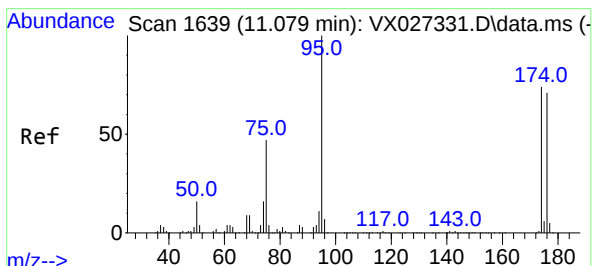
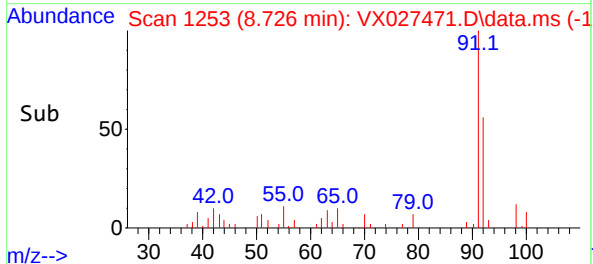
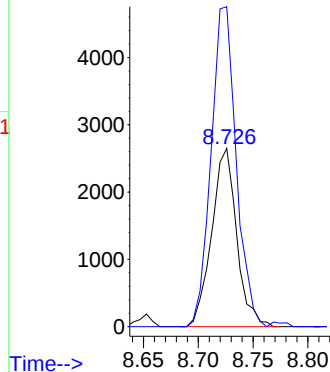
Ion Ratio Lower Upper

92 100

91 180.6 137.5 206.3



Abundance



#62

4-Bromofluorobenzene

Concen: 40.836 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027471.D

Acq: 16 Mar 2022 15:16

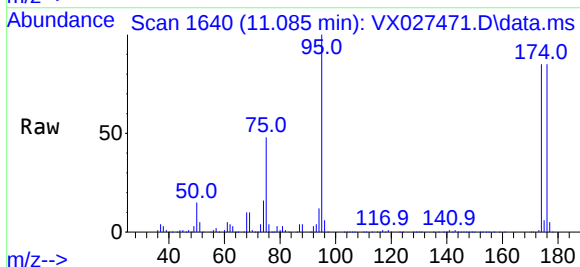
Tgt Ion: 95 Resp: 223093

Ion Ratio Lower Upper

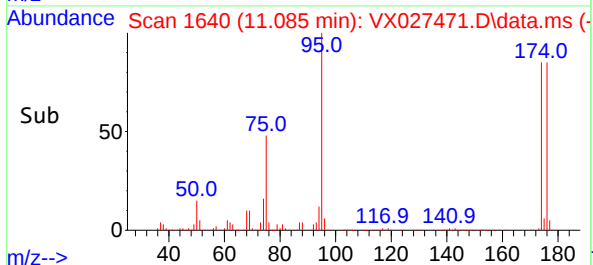
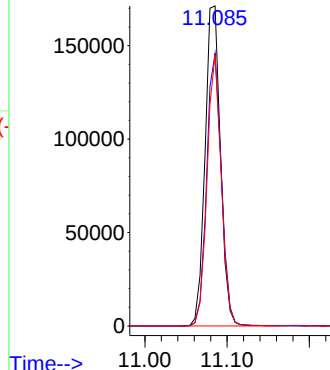
95 100

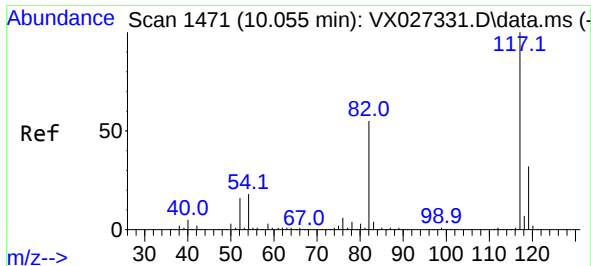
174 81.8 0.0 163.0

176 77.9 0.0 155.0



Abundance

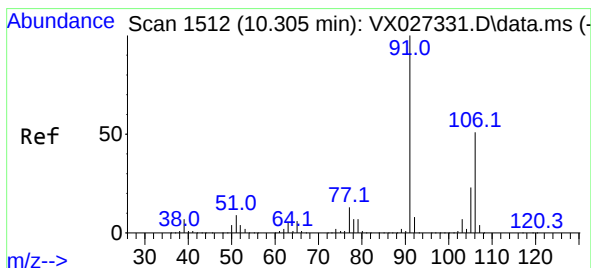
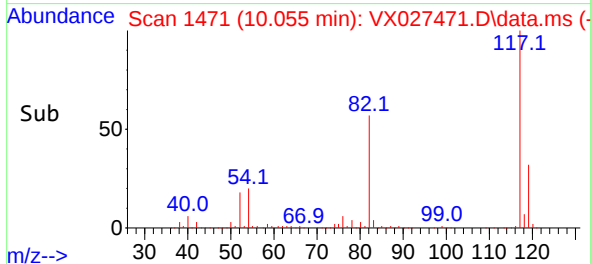
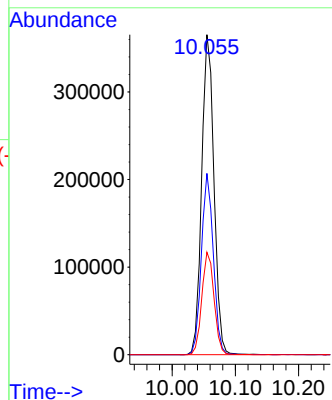
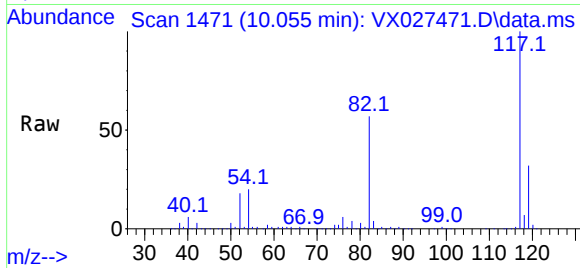




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

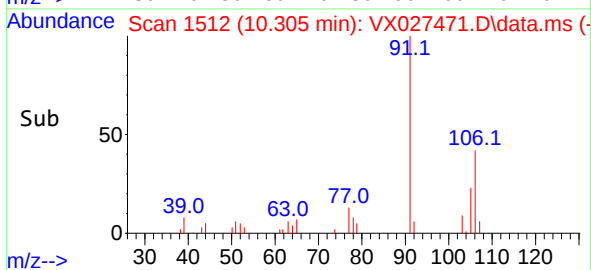
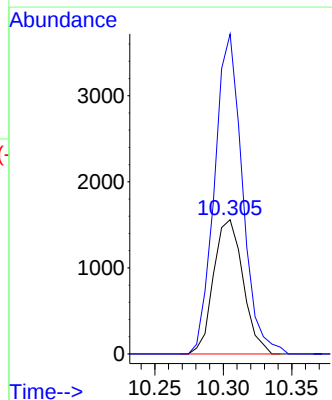
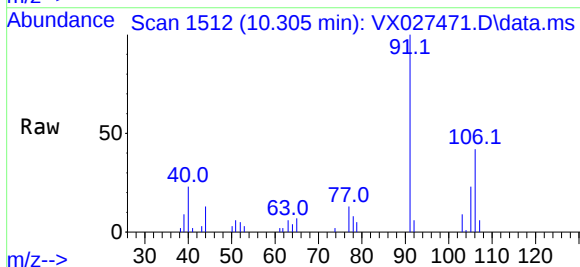
Instrument :
MSVOA_X
ClientSampleId :
31340RE

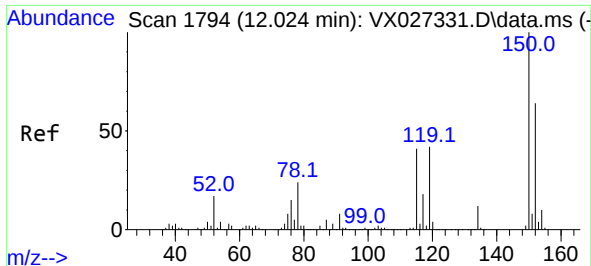
Tgt Ion:117 Resp: 494482
Ion Ratio Lower Upper
117 100
82 56.6 41.8 62.8
119 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion:106 Resp: 2338
Ion Ratio Lower Upper
106 100
91 225.0 160.4 240.6

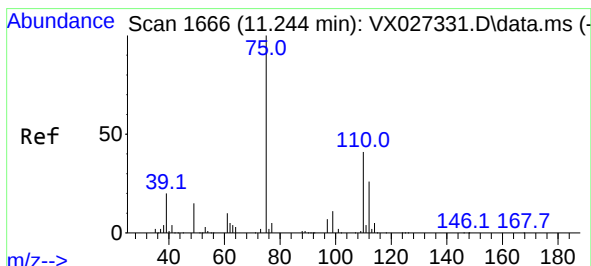
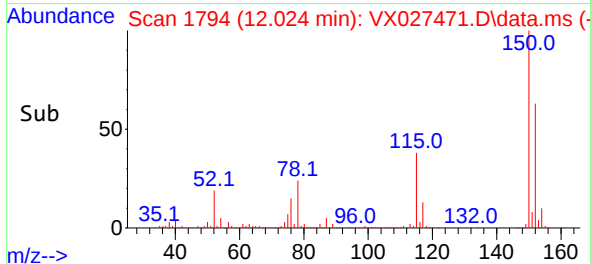
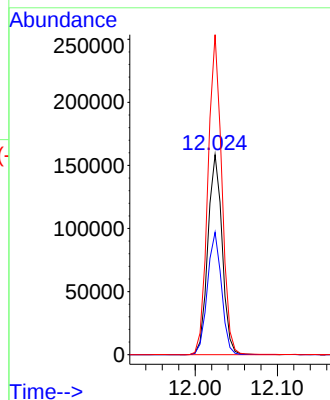
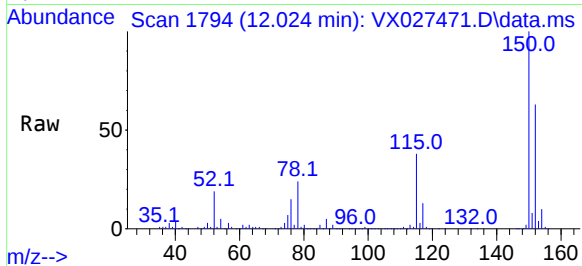




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

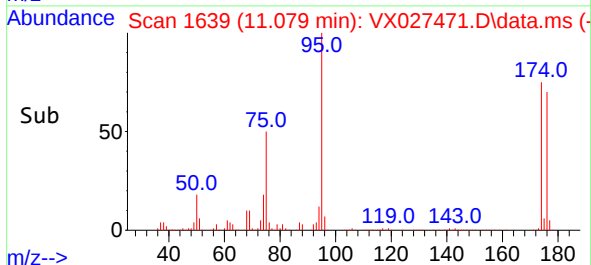
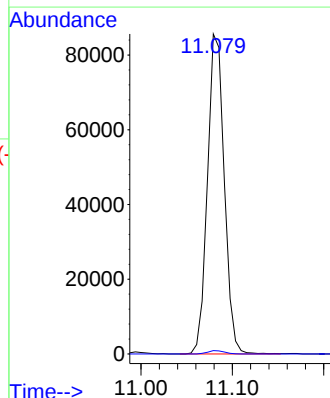
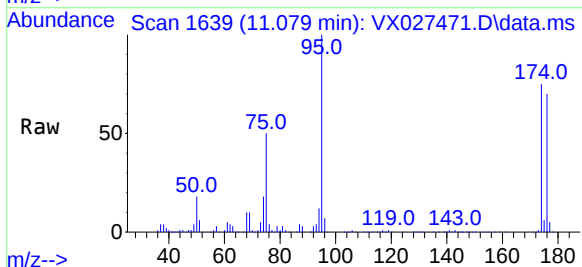
Instrument :
MSVOA_X
ClientSampleId :
31340RE

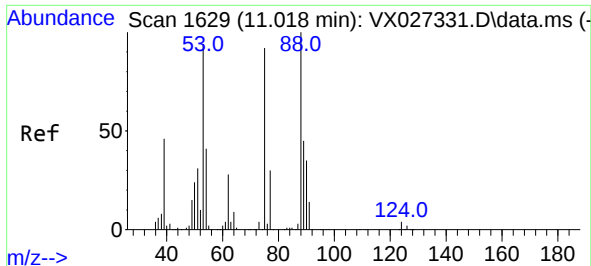
Tgt Ion:152 Resp: 191058
Ion Ratio Lower Upper
152 100
115 60.6 37.5 112.7
150 155.7 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 26.040 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#

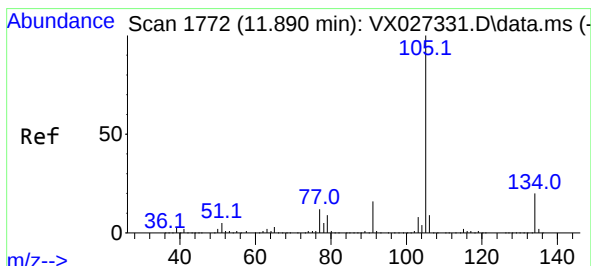
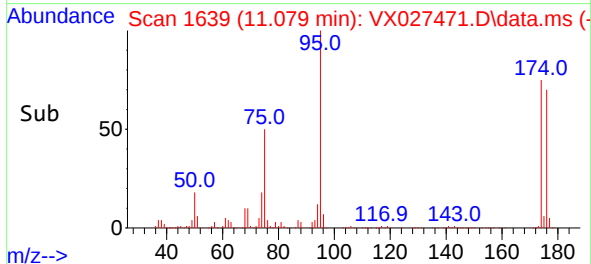
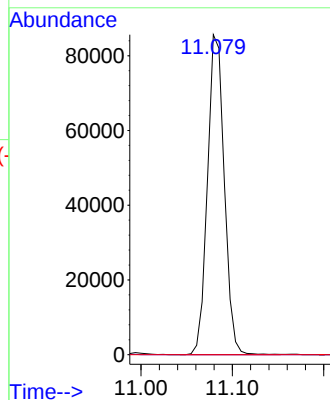
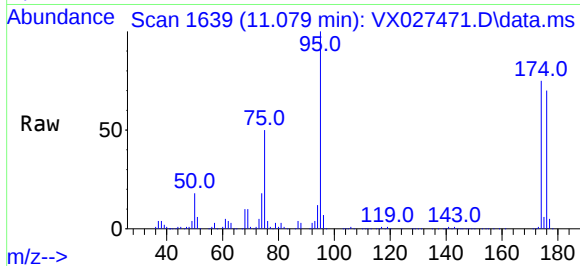




#81
trans-1,4-Dichloro-2-butene
Concen: 84.215 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

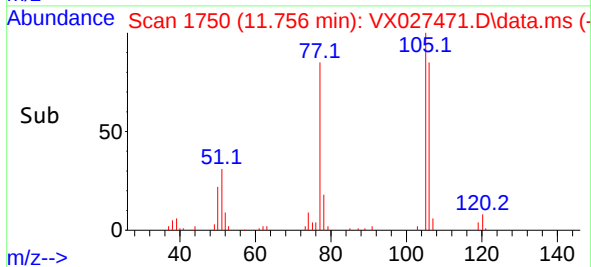
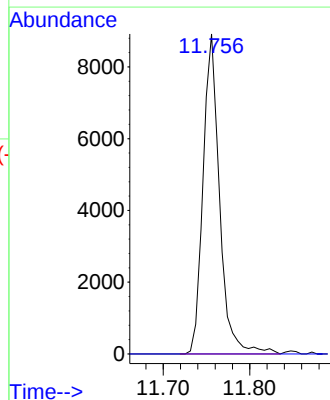
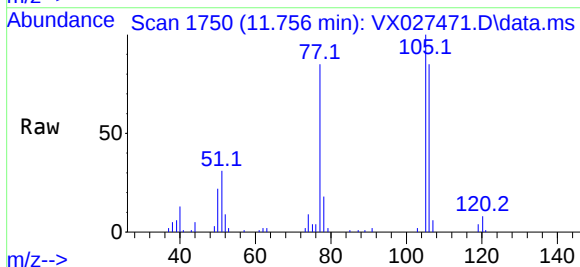
Instrument :
MSVOA_X
ClientSampleId :
31340RE

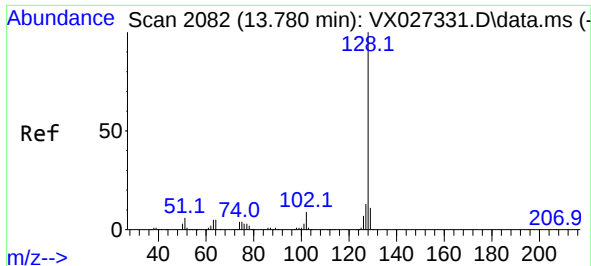
Tgt Ion: 75 Resp: 109155
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.818 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

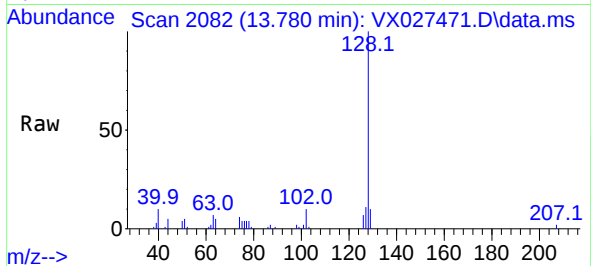
Tgt Ion: 105 Resp: 11817
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95
Naphthalene
Concen: 0.685 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027471.D
Acq: 16 Mar 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
31340RE



Tgt Ion:	128	Resp:	9866
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	12.5	8.7	13.1

