

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027456.D
 Acq On : 15 Mar 2022 18:42
 Operator : JC/MD
 Sample : N1950-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31339

Quant Time: Mar 16 04:21:05 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)

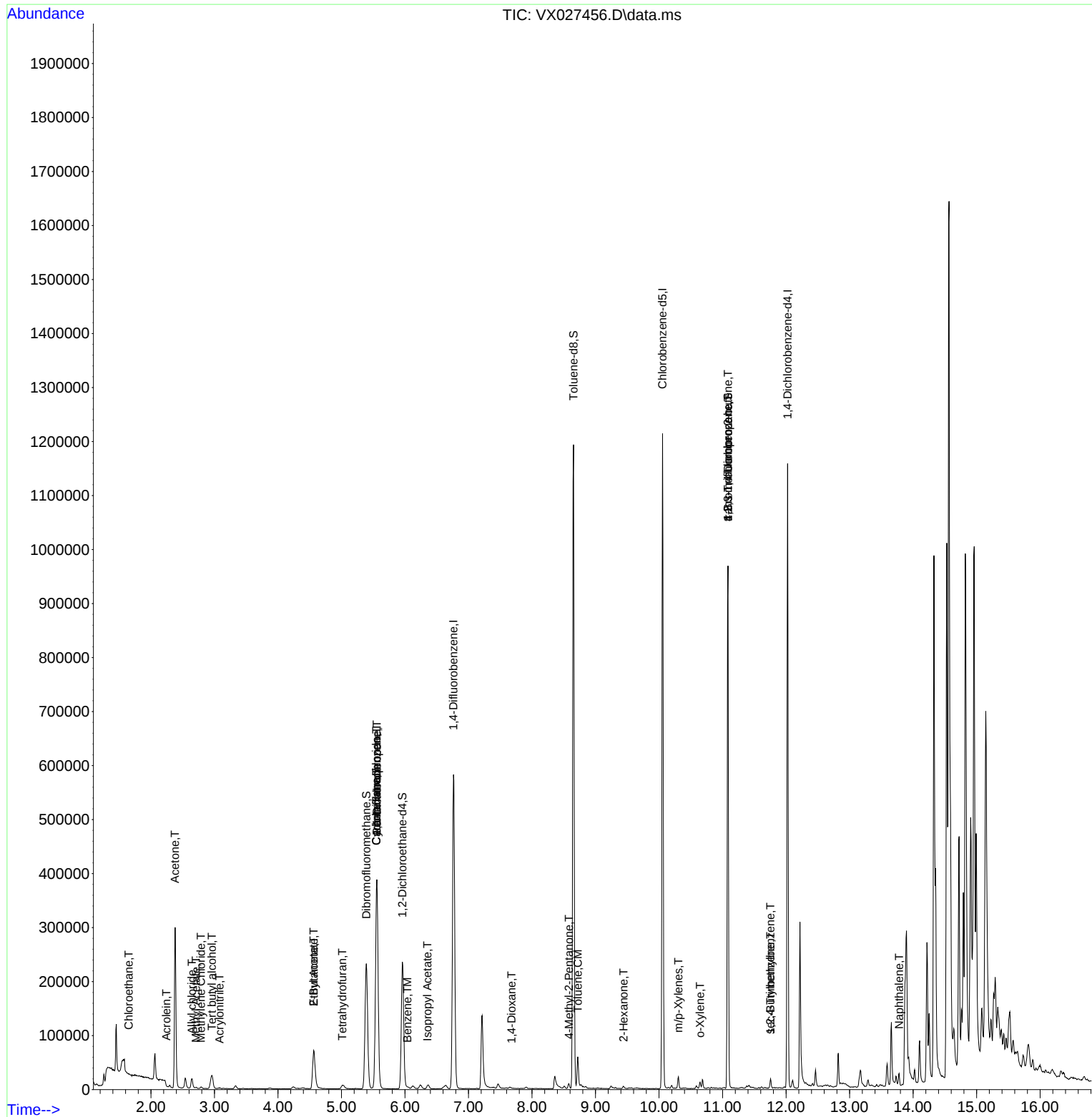
Internal Standards						
1) Pentafluorobenzene	5.556	168	377241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	622720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	557382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	238798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	235151	53.453	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.900%			
35) Dibromofluoromethane	5.391	113	202999	50.520	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.040%			
50) Toluene-d8	8.653	98	732512	48.288	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.580%			
62) 4-Bromofluorobenzene	11.085	95	261559	45.240	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.480%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	660	Below Cal	#	55
6) Chloroethane	1.648	64	553	0.659	ug/l #	44
11) Tert butyl alcohol	2.959	59	27023	31.334	ug/l	95
13) Acrolein	2.239	56	764	1.264	ug/l #	15
14) Allyl chloride	2.642	41	19699	3.433	ug/l #	43
15) Acrylonitrile	3.081	53	1024	0.451	ug/l	96
16) Acetone	2.380	43	302590	176.628	ug/l	94
18) Methyl Acetate	2.709	43	1903	0.394	ug/l	91
20) Methylene Chloride	2.788	84	1503	0.350	ug/l #	88
25) 2-Butanone	4.562	43	118154	38.991	ug/l	93
29) Tetrahydrofuran	5.013	42	3352	1.672	ug/l	94
31) Cyclohexane	5.550	56	7225	1.174	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	28820	5.166	ug/l #	49
37) Ethyl Acetate	4.562	43	118154	20.092	ug/l #	65
38) Carbon Tetrachloride	5.550	117	37917	6.573	ug/l #	15
40) Benzene	6.037	78	3405	0.200	ug/l #	88
43) Isopropyl Acetate	6.354	43	3642	0.411	ug/l #	56
49) 1,4-Dioxane	7.677	88	229	1.984	ug/l #	31
51) 4-Methyl-2-Pentanone	8.580	43	5561	0.937	ug/l	90
52) Toluene	8.720	92	11781	1.088	ug/l	100
59) 2-Hexanone	9.439	43	2413	0.526	ug/l	96
68) m/p-Xylenes	10.305	106	5191	0.654	ug/l	90
69) o-Xylene	10.646	106	2557	0.327	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	128756	24.575	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	128756	79.478	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	6573	0.443	ug/l	70
85) sec-Butylbenzene	11.756	105	6573	0.364	ug/l #	58
95) Naphthalene	13.780	128	15120	0.840	ug/l	98

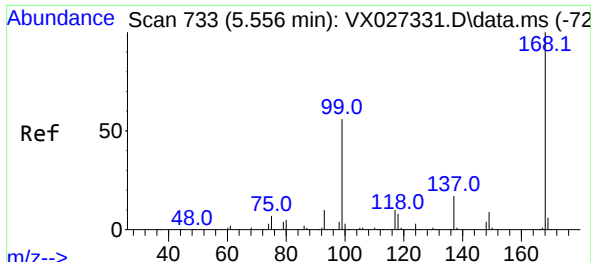
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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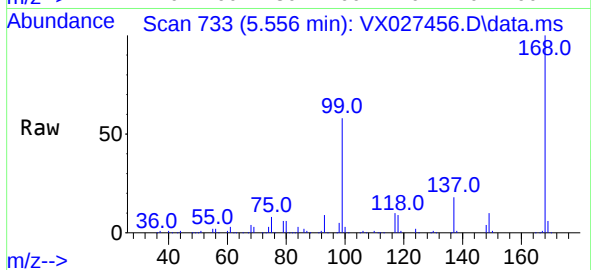
Quant Time: Mar 16 04:21:05 2022
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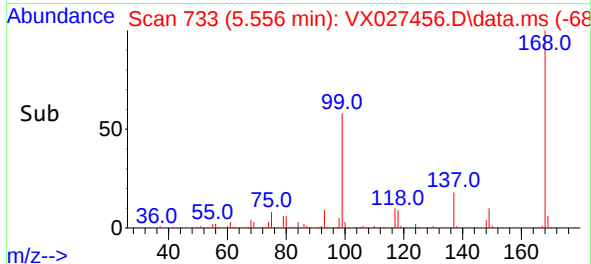
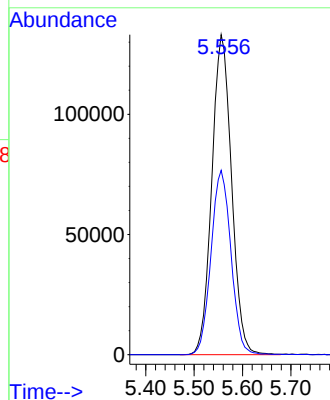


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

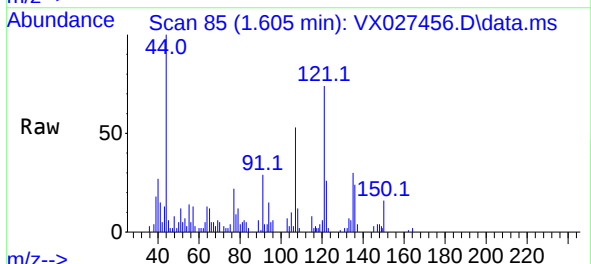
Instrument :
MSVOA_X
ClientSampleId :
31339



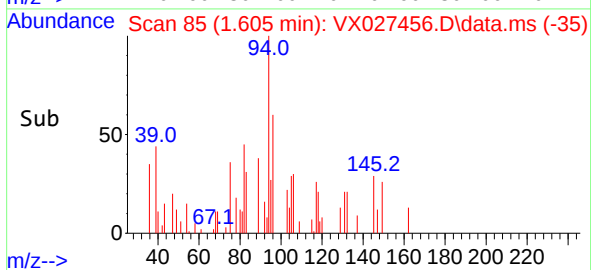
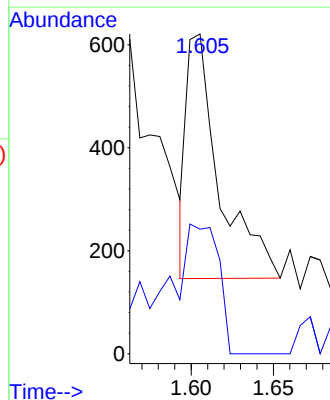
Tgt Ion:168 Resp: 377241
Ion Ratio Lower Upper
168 100
99 57.6 41.7 62.5

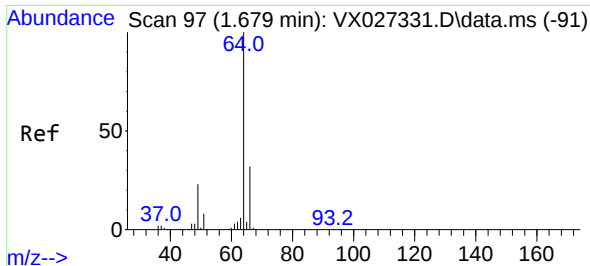


#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42



Tgt Ion: 94 Resp: 660
Ion Ratio Lower Upper
94 100
96 51.1 75.3 112.9#

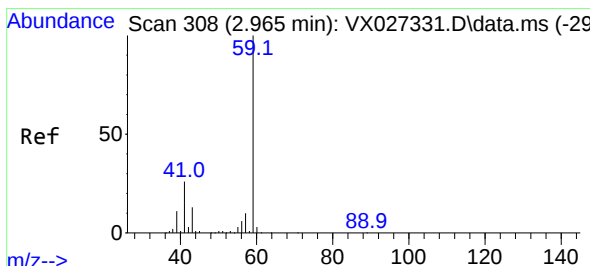
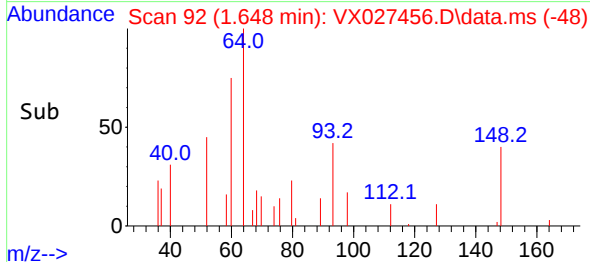
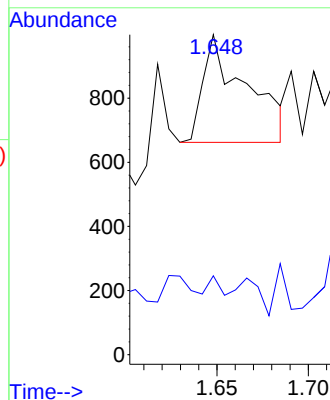
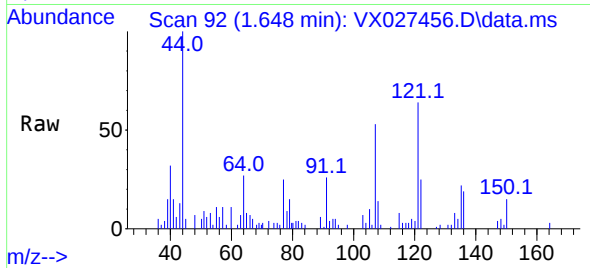




#6
Chloroethane
Concen: 0.659 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.031 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

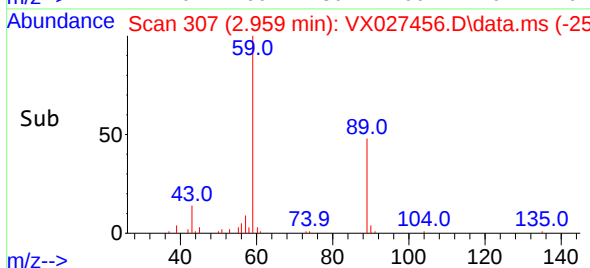
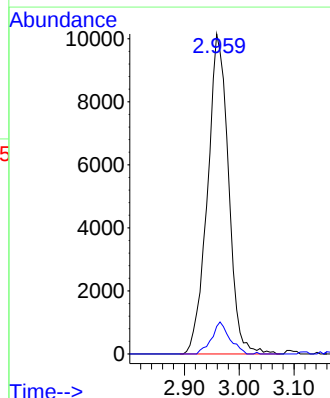
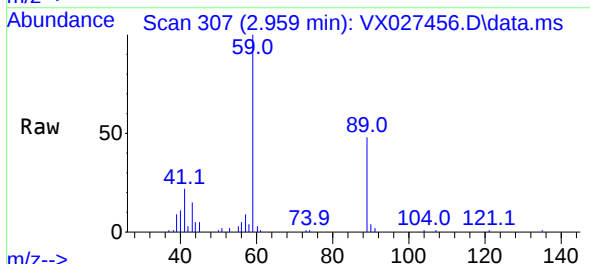
Instrument :
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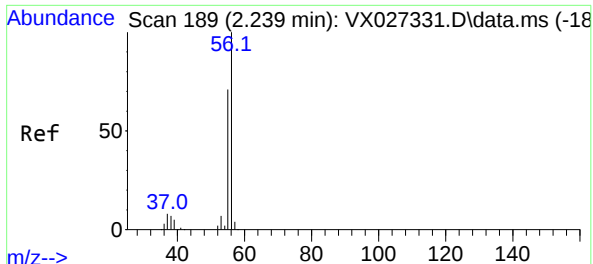
Tgt Ion: 64 Resp: 553
Ion Ratio Lower Upper
64 100
66 0.3 25.3 37.9#



#11
Tert butyl alcohol
Concen: 31.334 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 59 Resp: 27023
Ion Ratio Lower Upper
59 100
57 8.5 8.3 12.5

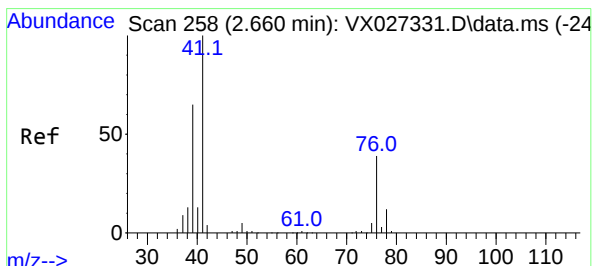
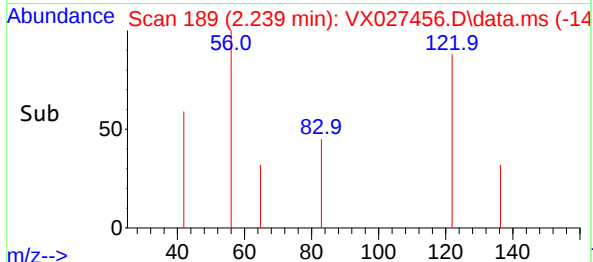
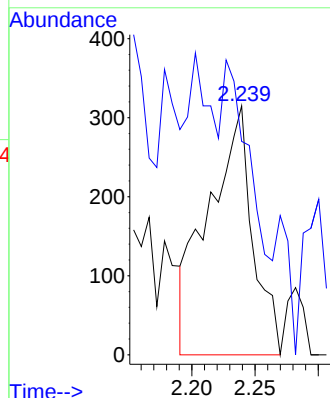
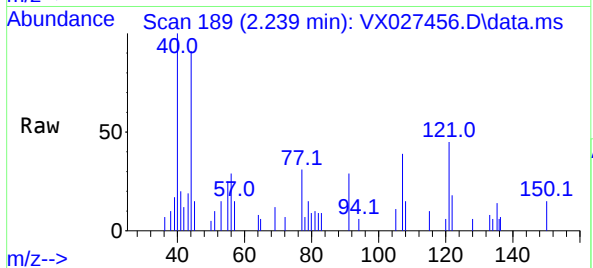




#13
Acrolein
Concen: 1.264 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

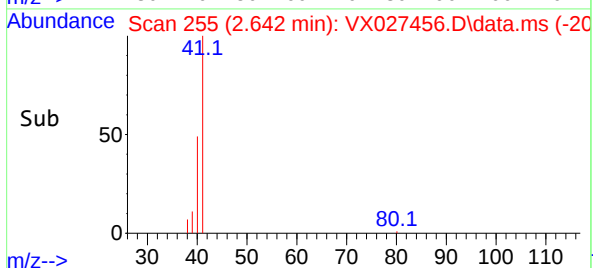
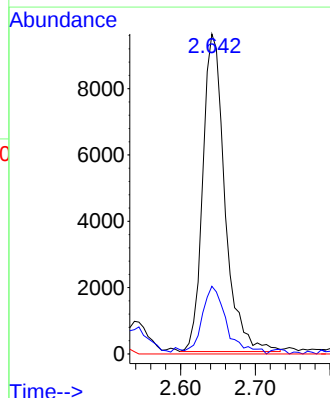
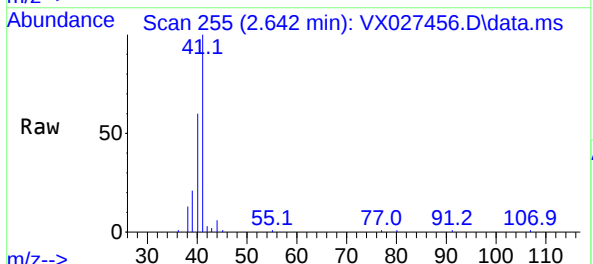
Instrument :
MSVOA_X
ClientSampleId :
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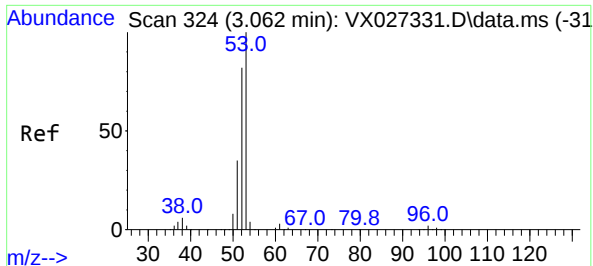
Tgt Ion: 56 Resp: 764
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#14
Allyl chloride
Concen: 3.433 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.018 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 41 Resp: 19699
Ion Ratio Lower Upper
41 100
39 23.3 50.4 75.6#
76 0.0 32.7 49.1#

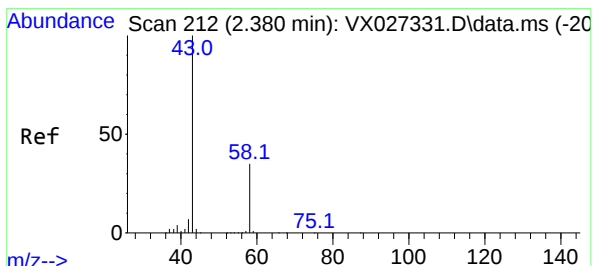
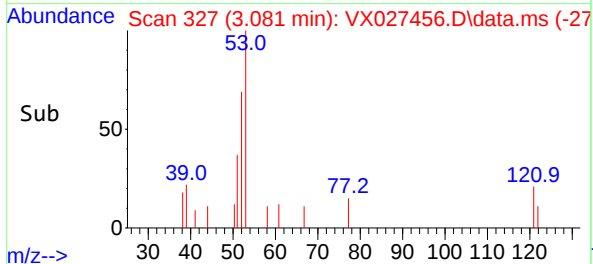
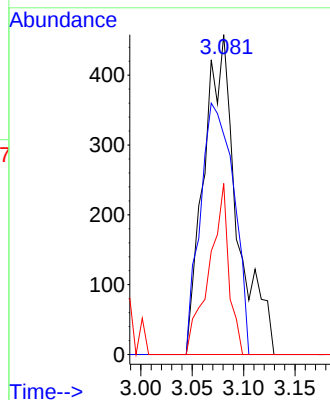
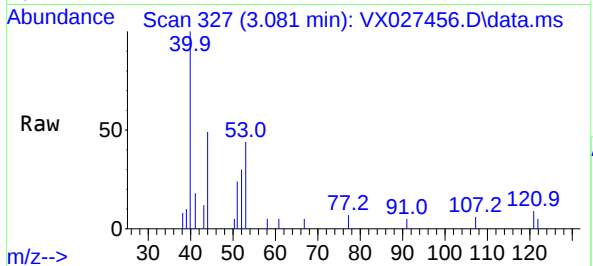




#15
Acrylonitrile
Concen: 0.451 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

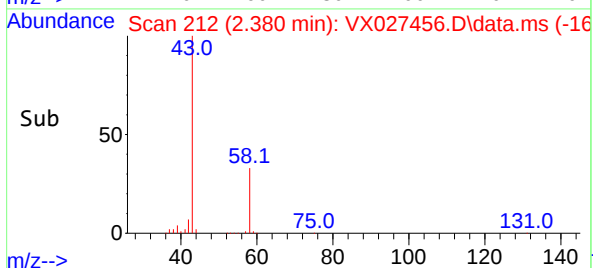
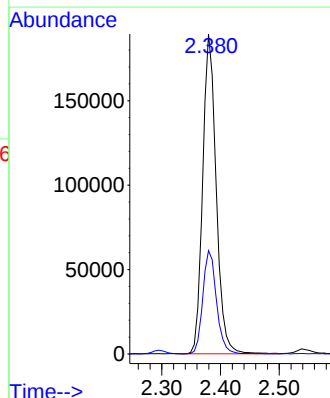
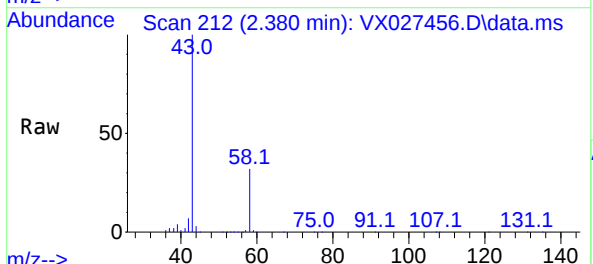
Instrument :
MSVOA_X
ClientSampleId :
31339

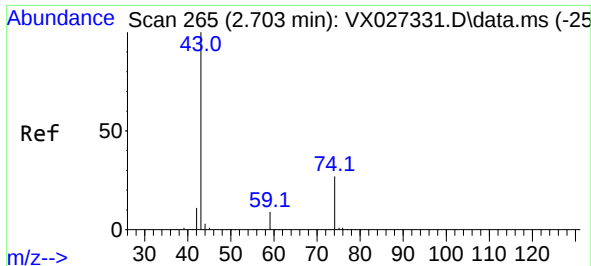
Tgt Ion:	53	Resp:	1024
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.7	98.5
51	31.8	28.4	42.6



#16
Acetone
Concen: 176.628 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion:	43	Resp:	302590
Ion	Ratio	Lower	Upper
43	100		
58	32.3	28.8	43.2

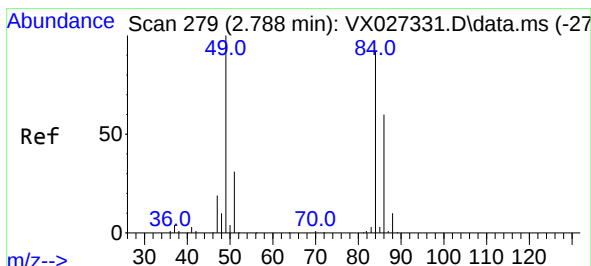
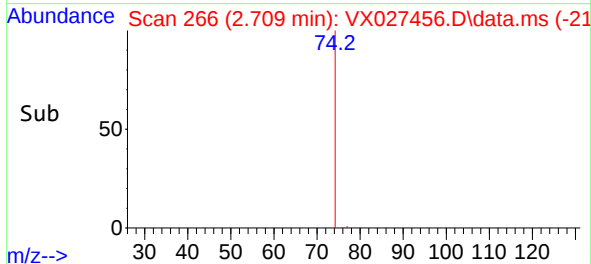
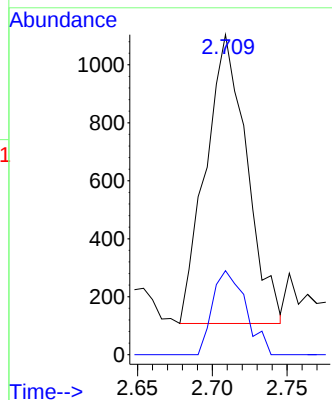
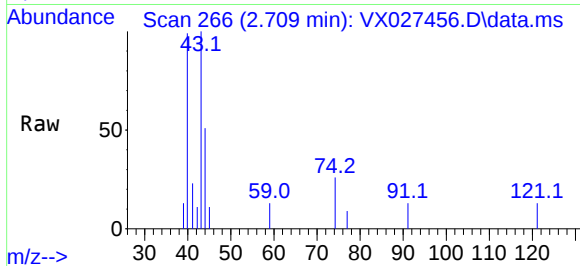




#18
Methyl Acetate
Concen: 0.394 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

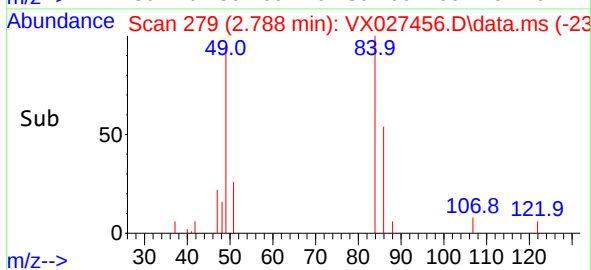
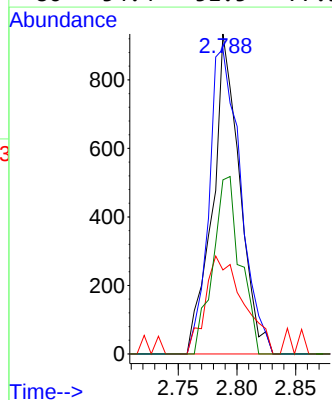
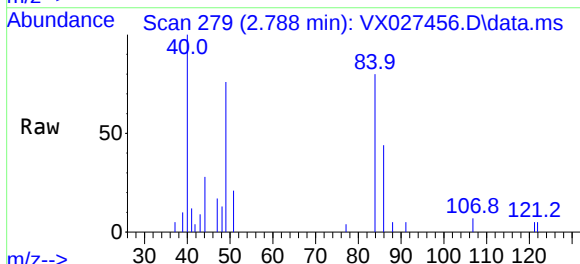
Instrument :
MSVOA_X
ClientSampleId :
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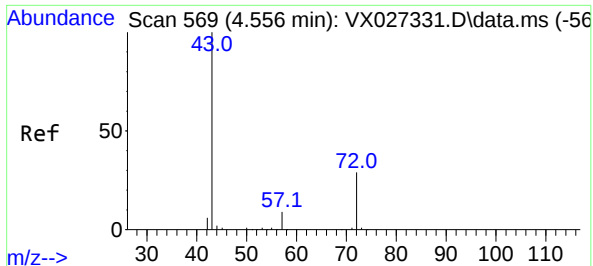
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
74 23.5 22.8 34.2



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 84 Resp: 1503
Ion Ratio Lower Upper
84 100
49 95.3 85.5 128.3
51 26.2 26.6 39.8#
86 54.4 51.5 77.3





#25

2-Butanone

Concen: 38.991 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027456.D

Acq: 15 Mar 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

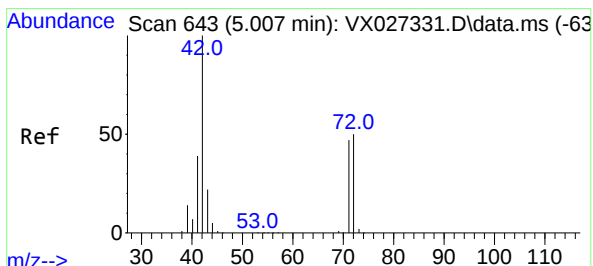
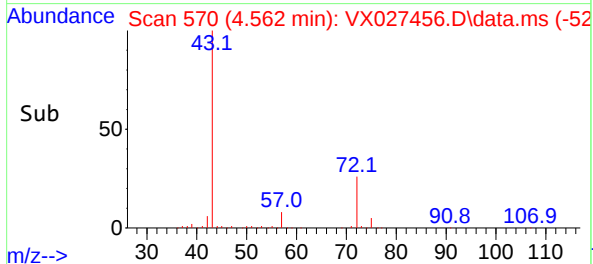
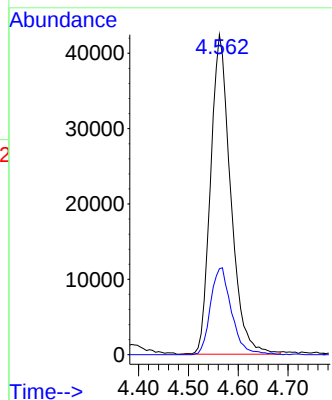
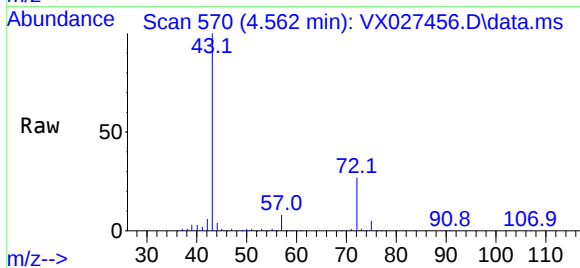
31339

Tgt Ion: 43 Resp: 118154

Ion Ratio Lower Upper

43 100

72 26.9 24.4 36.6



#29

Tetrahydrofuran

Concen: 1.672 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX027456.D

Acq: 15 Mar 2022 18:42

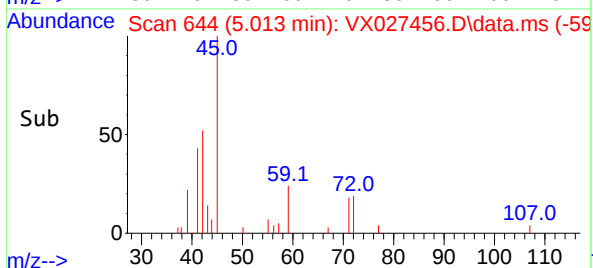
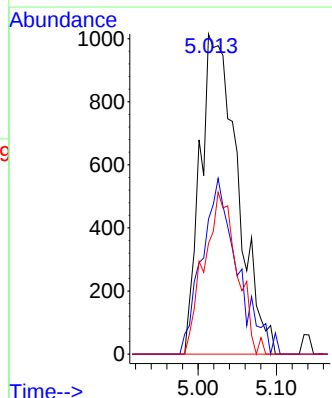
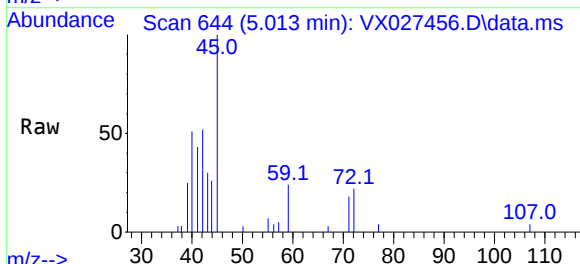
Tgt Ion: 42 Resp: 3352

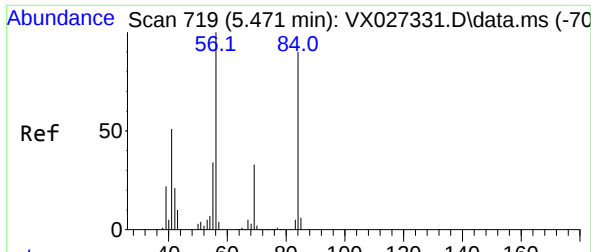
Ion Ratio Lower Upper

42 100

72 52.1 44.1 66.1

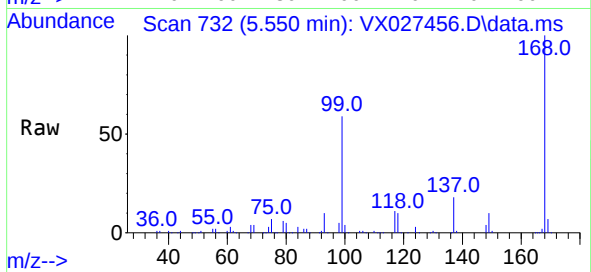
71 44.5 40.5 60.7



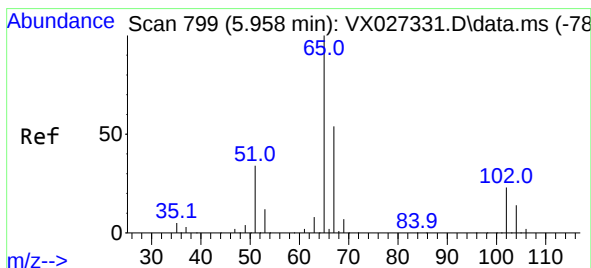
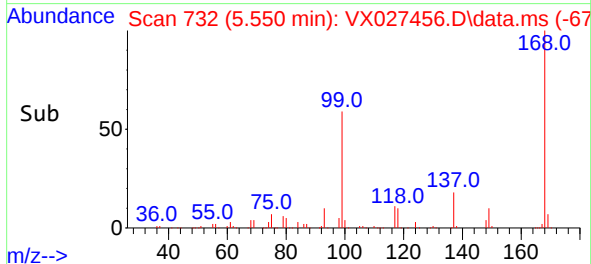
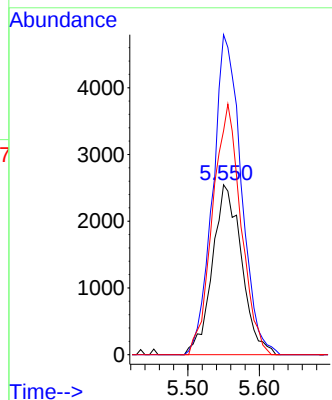


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Instrument :
MSVOA_X
ClientSampleId :
31339

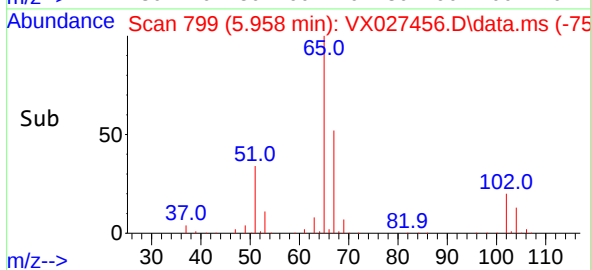
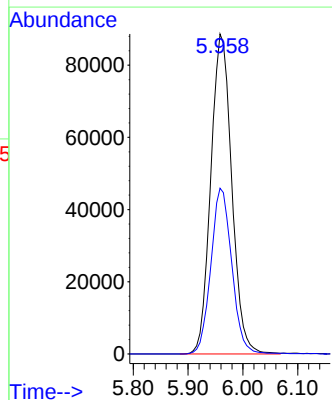
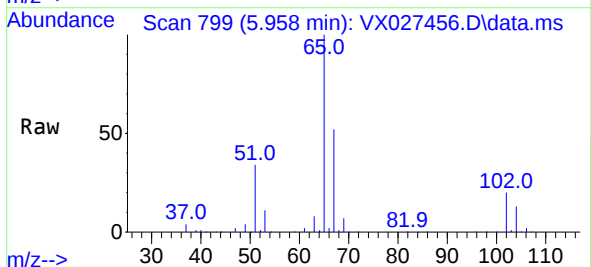


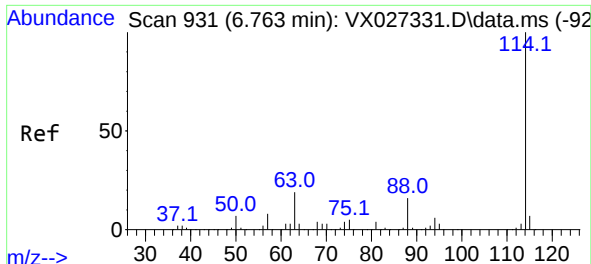
Tgt Ion: 56 Resp: 7225
Ion Ratio Lower Upper
56 100
69 188.3 26.7 40.1#
84 131.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.453 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 65 Resp: 235151
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

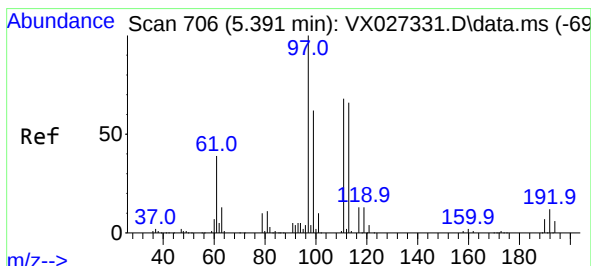
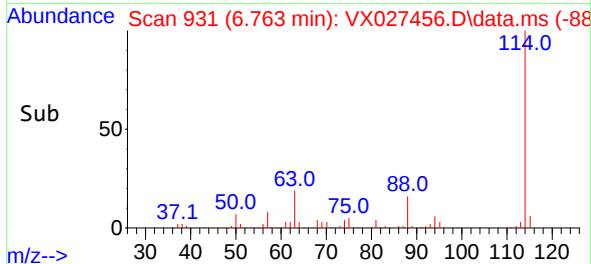
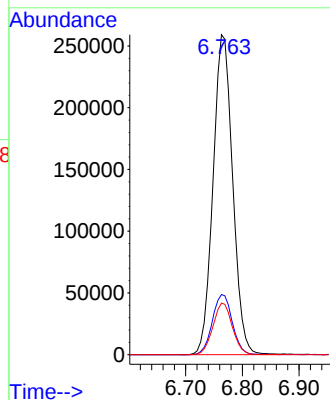
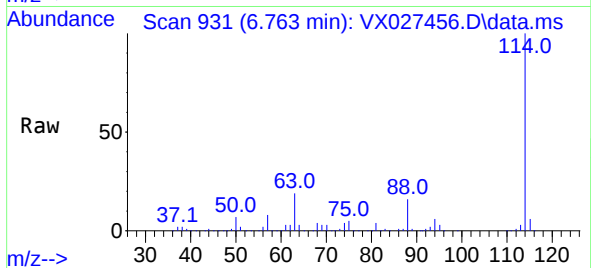




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 913
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

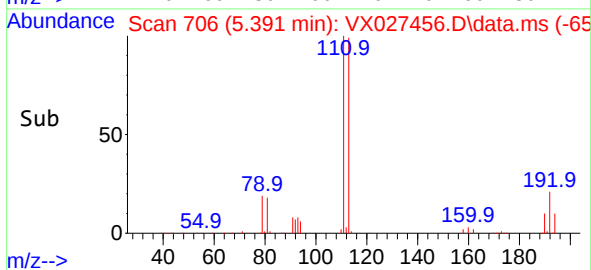
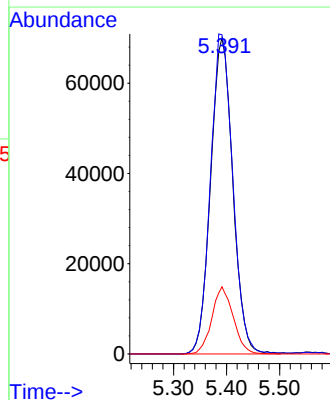
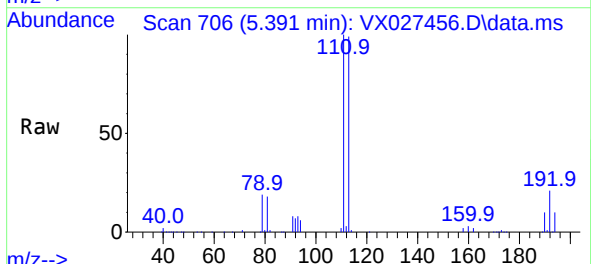
Instrument :
MSVOA_X
ClientSampleId :
31339

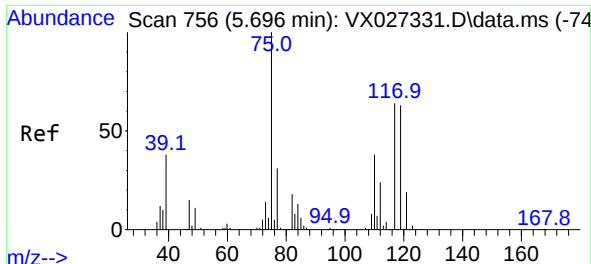
Tgt Ion:114 Resp: 622720
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.520 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

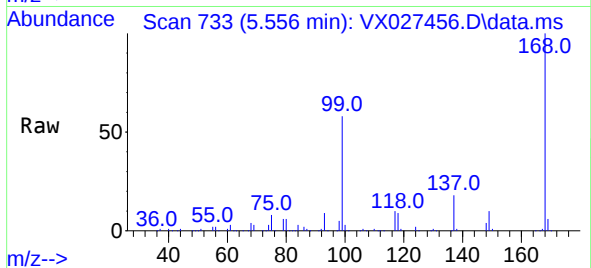
Tgt Ion:113 Resp: 202999
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.5 16.9 25.3



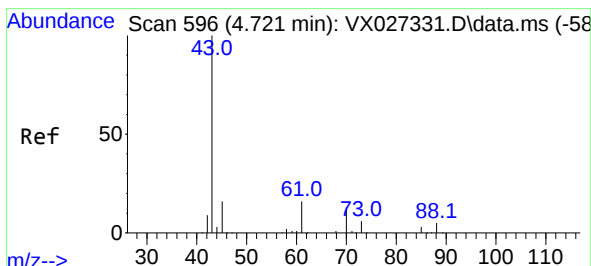
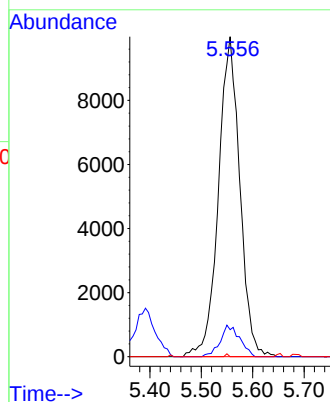
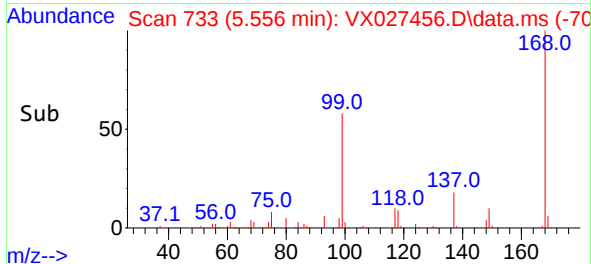


#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Instrument :
MSVOA_X
ClientSampleId :
31339

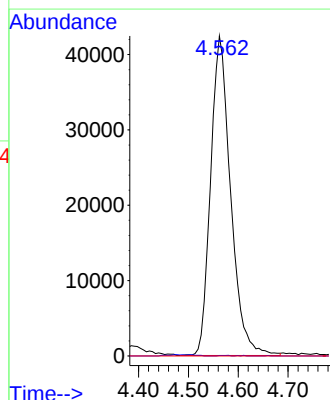
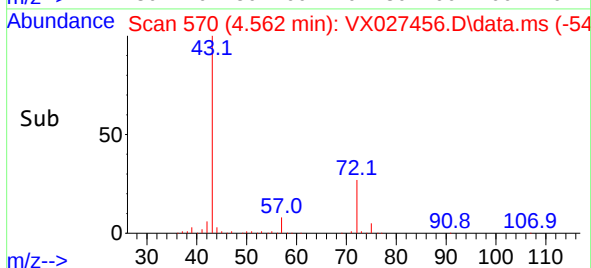
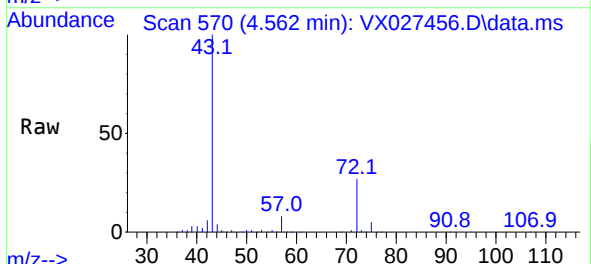


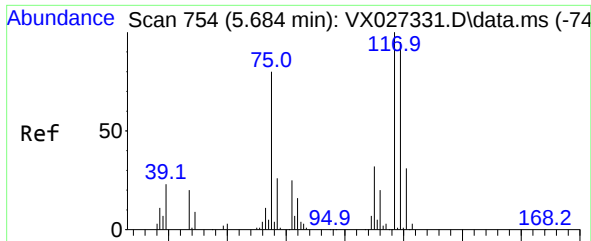
Tgt Ion: 75 Resp: 28820
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.1 24.8 37.2#



#37
Ethyl Acetate
Concen: 20.092 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.159 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

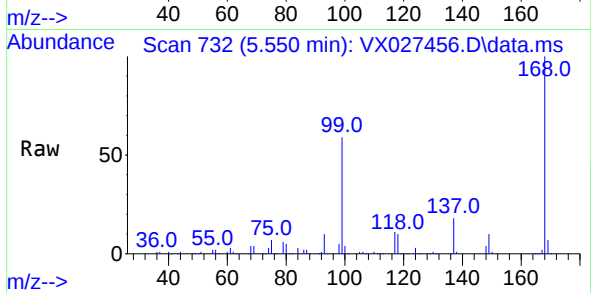
Tgt Ion: 43 Resp: 118154
Ion Ratio Lower Upper
43 100
61 0.1 12.6 19.0#
70 0.0 10.2 15.2#



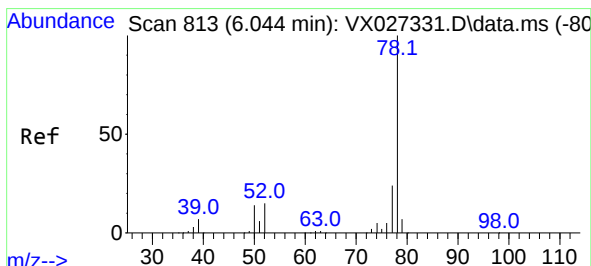
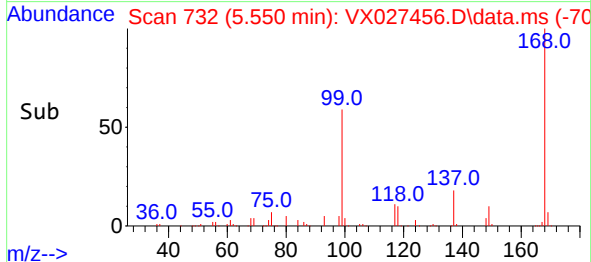
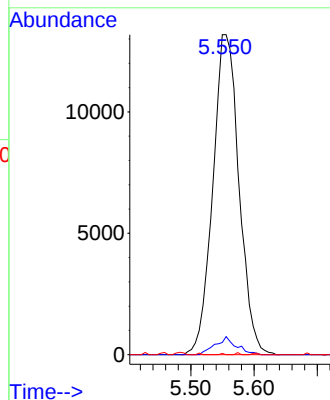


#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Instrument :
MSVOA_X
ClientSampleId :
31339

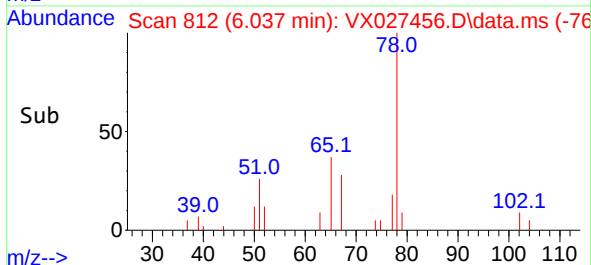
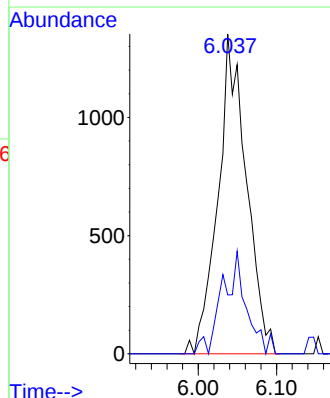
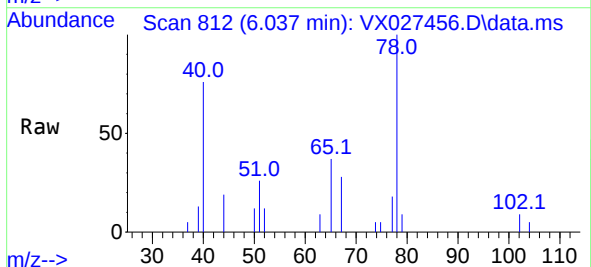


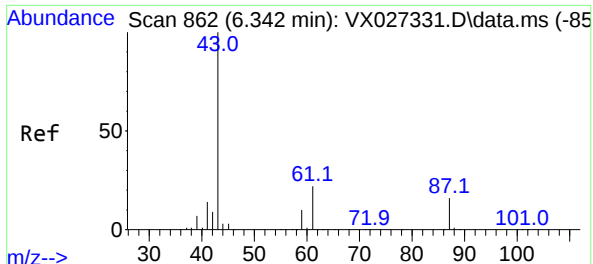
Tgt Ion:117 Resp: 37917
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.4 24.2 36.2#



#40
Benzene
Concen: 0.200 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.007 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 78 Resp: 3405
Ion Ratio Lower Upper
78 100
77 18.4 19.3 28.9#

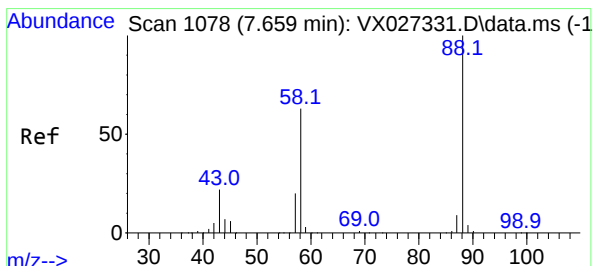
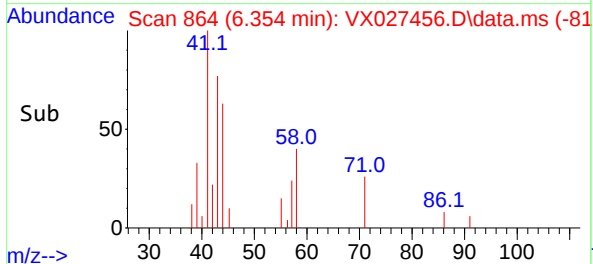
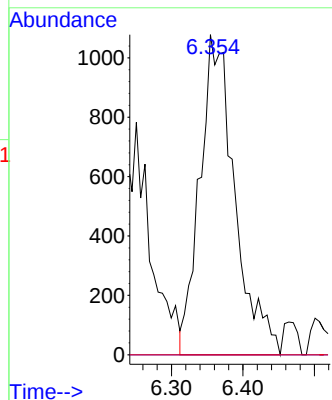
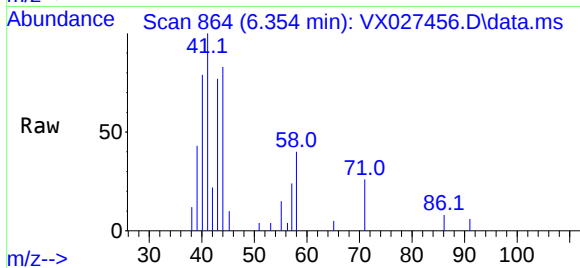




#43
Isopropyl Acetate
Concen: 0.411 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

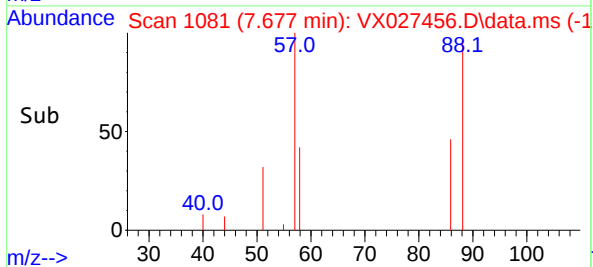
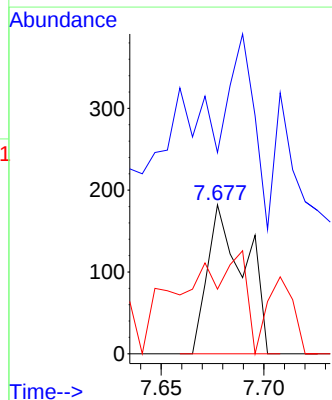
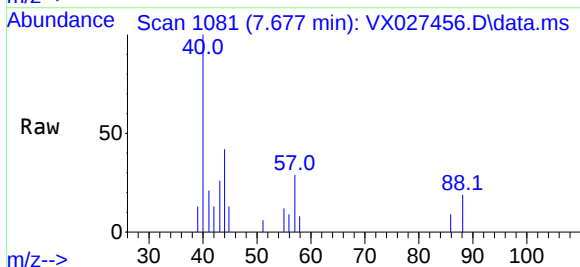
Instrument :
MSVOA_X
ClientSampleId :
31339

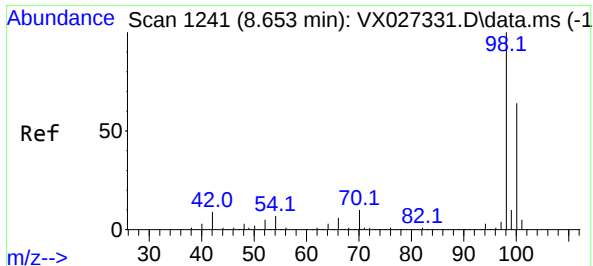
Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#49
1,4-Dioxane
Concen: 1.984 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 127.5 53.7 80.5#

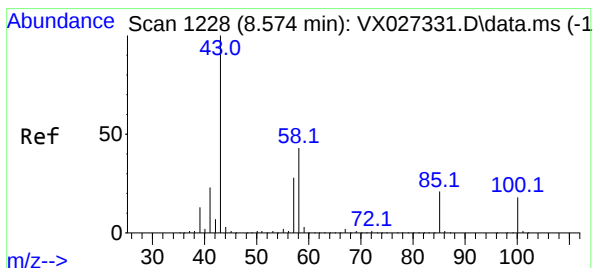
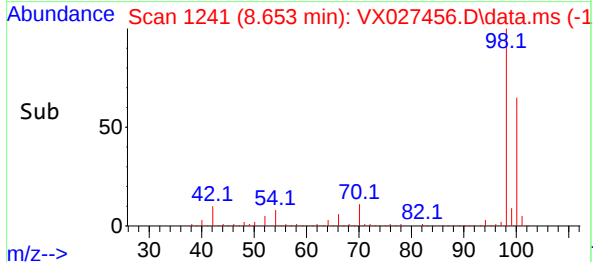
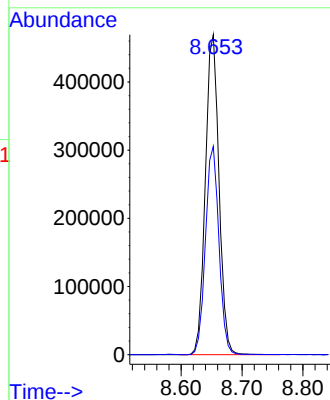
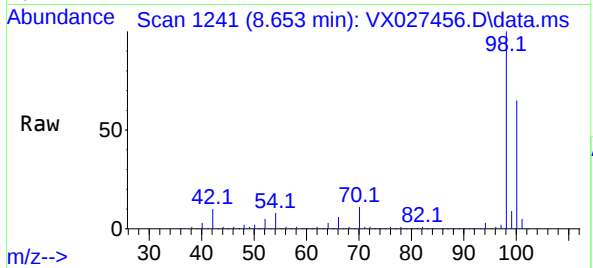




#50
Toluene-d8
Concen: 48.288 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

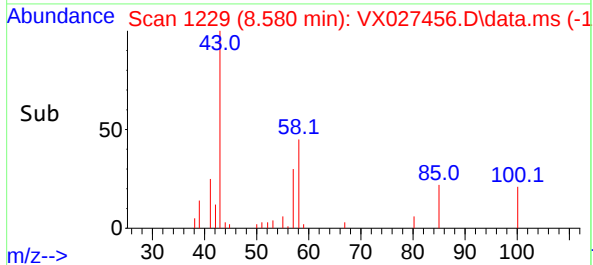
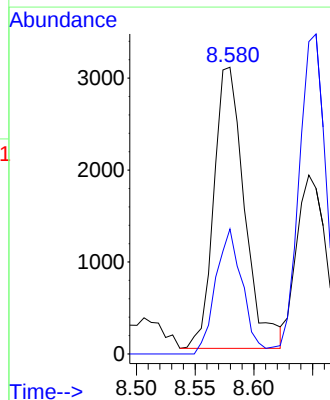
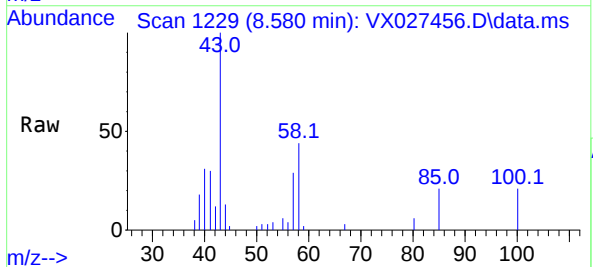
Instrument :
MSVOA_X
ClientSampleId :
31339

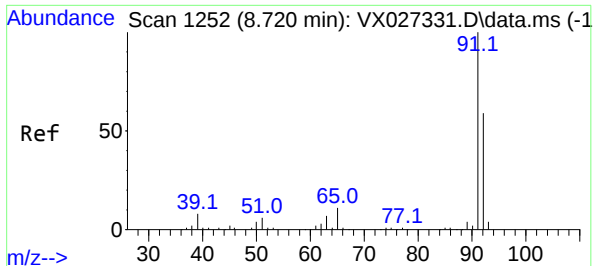
Tgt Ion: 98 Resp: 732512
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.937 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
58 38.5 36.1 54.1

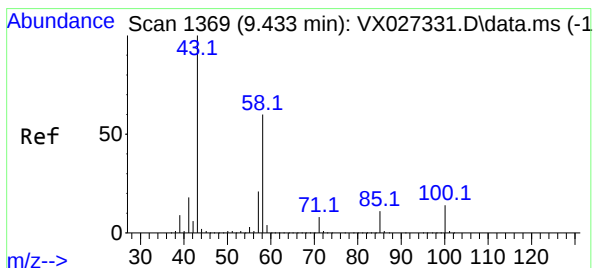
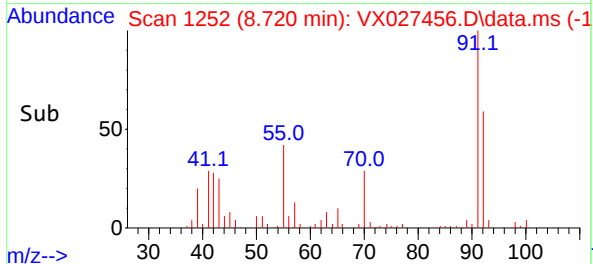
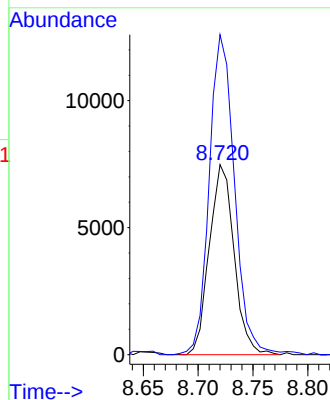
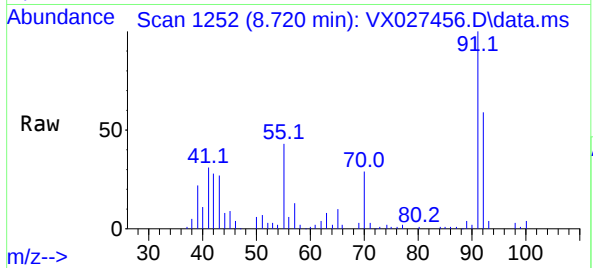




#52
Toluene
Concen: 1.088 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

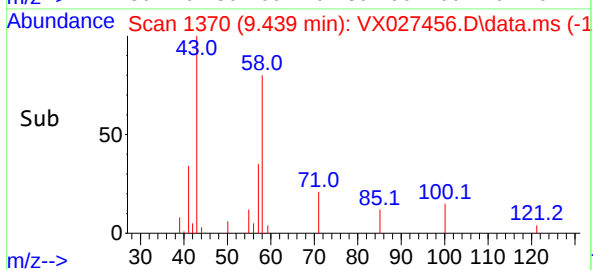
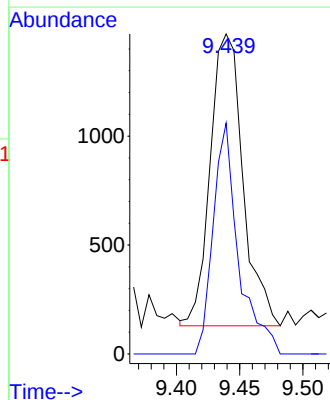
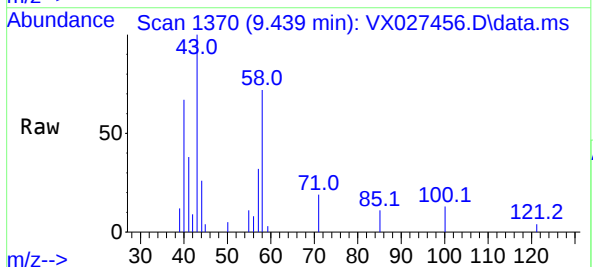
Instrument :
MSVOA_X
ClientSampleId :
31339

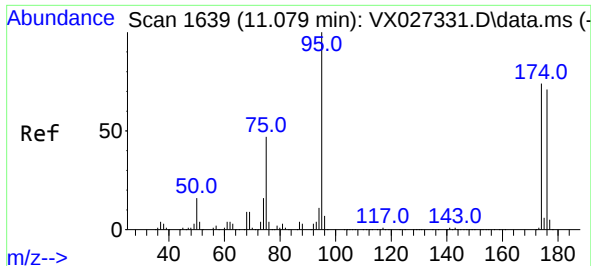
Tgt Ion: 92 Resp: 11781
Ion Ratio Lower Upper
92 100
91 171.6 137.5 206.3



#59
2-Hexanone
Concen: 0.526 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
58 61.0 31.9 95.7

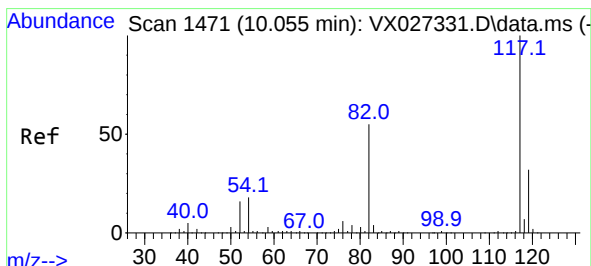
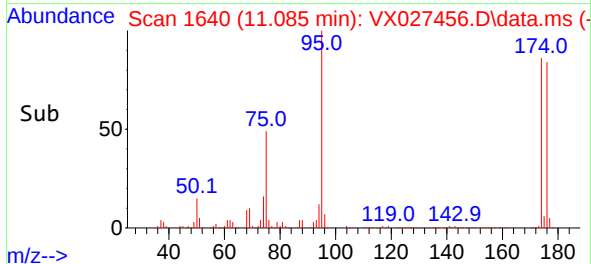
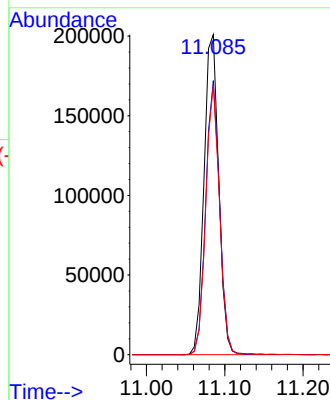
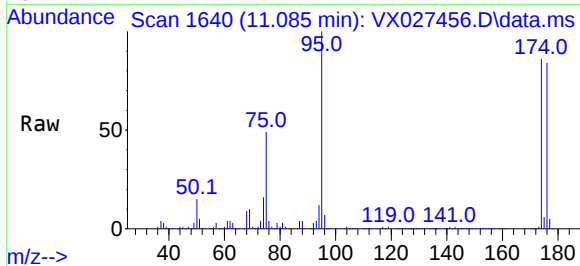




#62
4-Bromofluorobenzene
Concen: 45.240 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

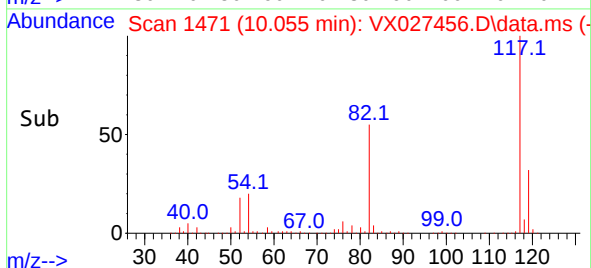
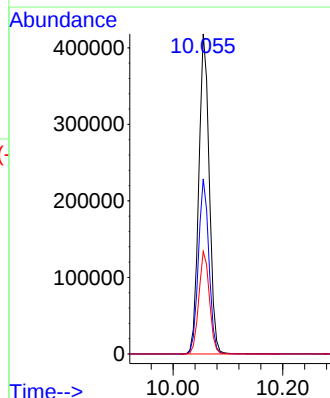
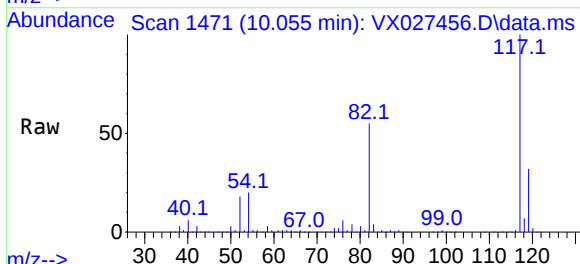
Instrument :
MSVOA_X
ClientSampleId :
31339

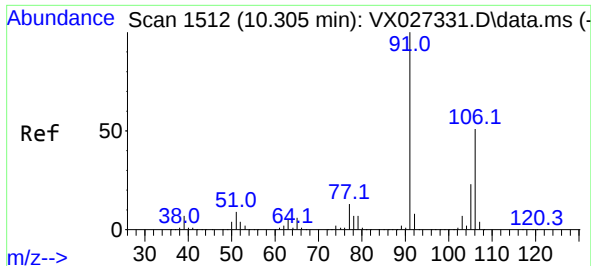
Tgt Ion: 95 Resp: 261559
Ion Ratio Lower Upper
95 100
174 80.9 0.0 163.0
176 78.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 117 Resp: 557382
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 32.1 24.8 37.2

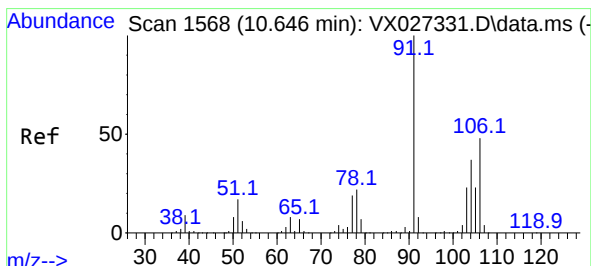
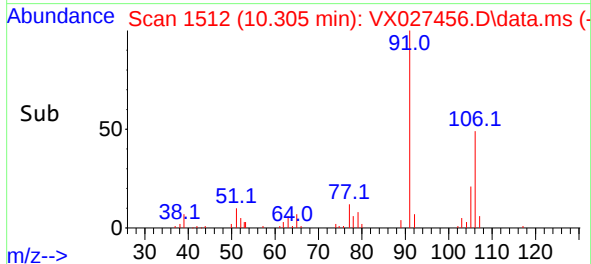
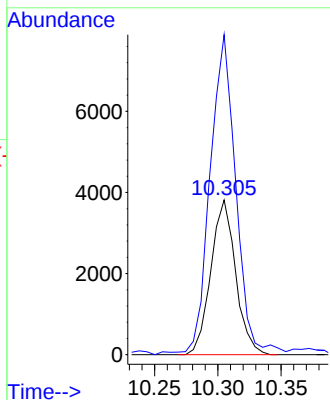
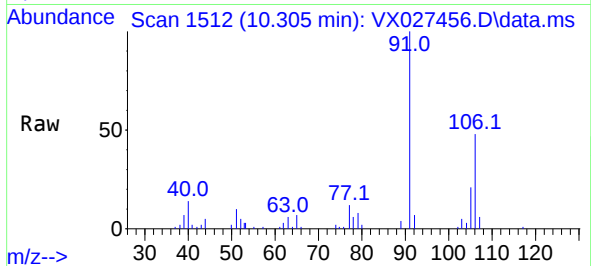




#68
m/p-Xylenes
Concen: 0.654 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

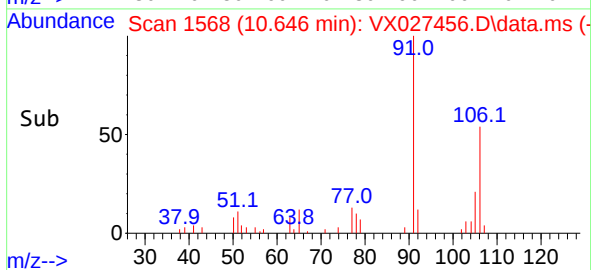
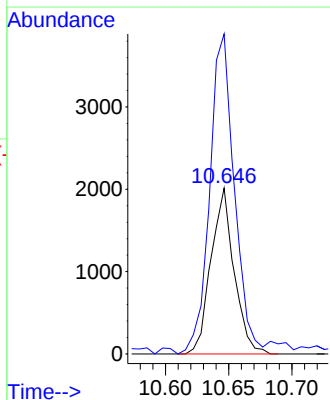
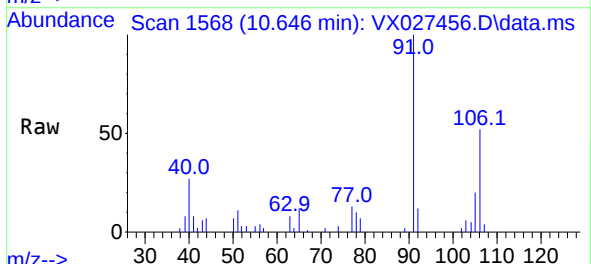
Instrument :
MSVOA_X
ClientSampleId :
31339

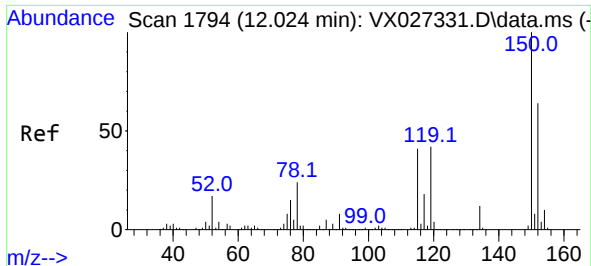
Tgt Ion:106 Resp: 5191
Ion Ratio Lower Upper
106 100
91 215.7 160.4 240.6



#69
o-Xylene
Concen: 0.327 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion:106 Resp: 2557
Ion Ratio Lower Upper
106 100
91 205.4 106.1 318.1

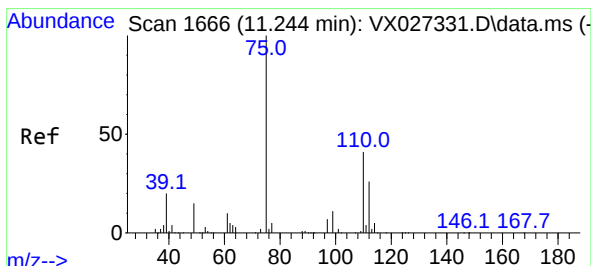
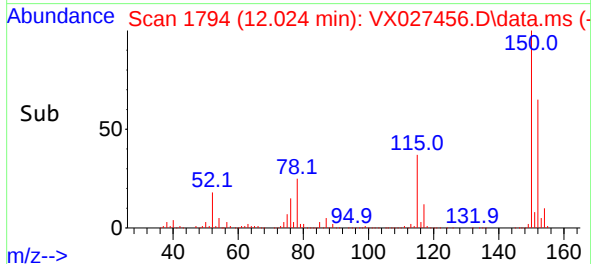
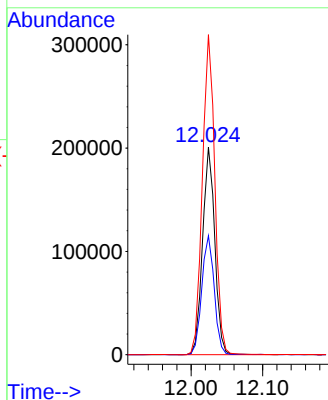
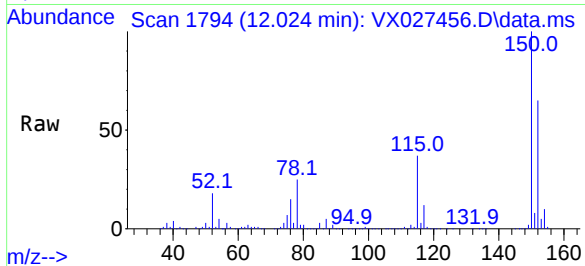




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

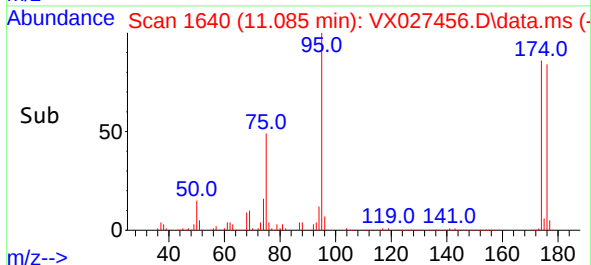
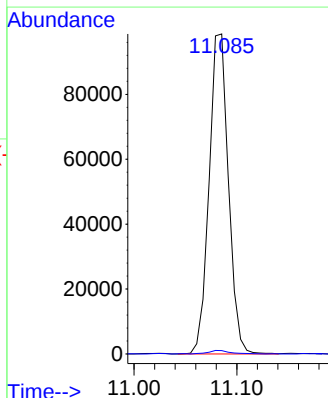
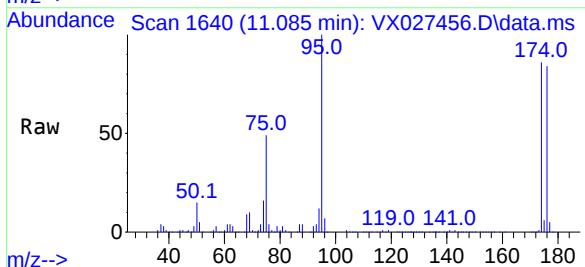
Instrument :
MSVOA_X
ClientSampleId :
31339

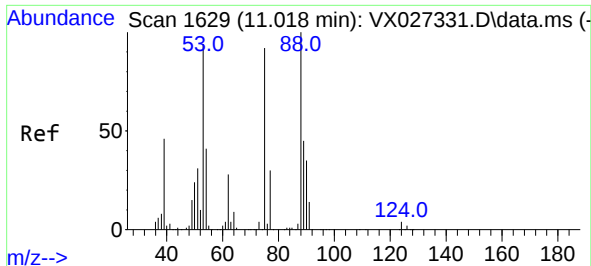
Tgt Ion:152 Resp: 238798
Ion Ratio Lower Upper
152 100
115 58.5 37.5 112.7
150 156.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.575 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 75 Resp: 128756
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#

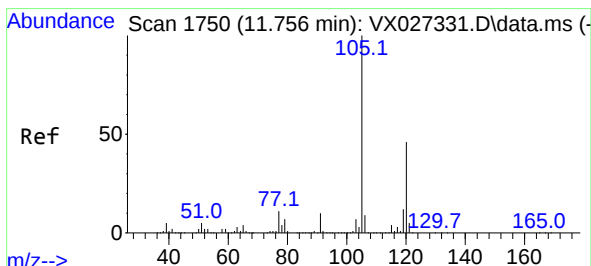
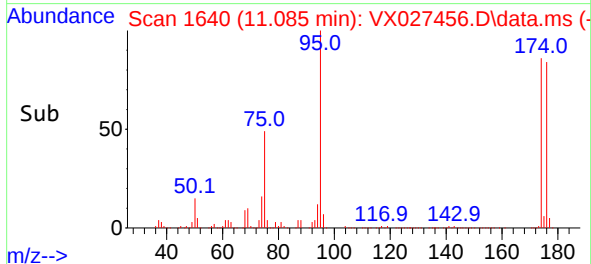
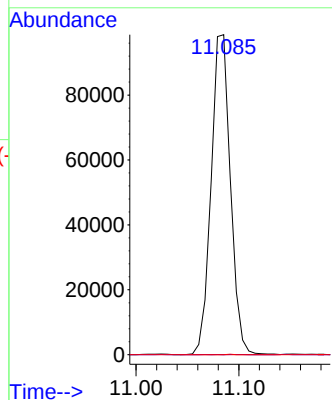
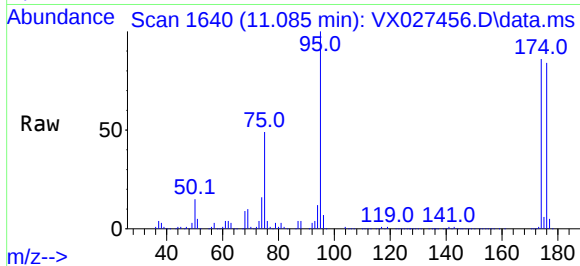




#81
trans-1,4-Dichloro-2-butene
Concen: 79.478 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

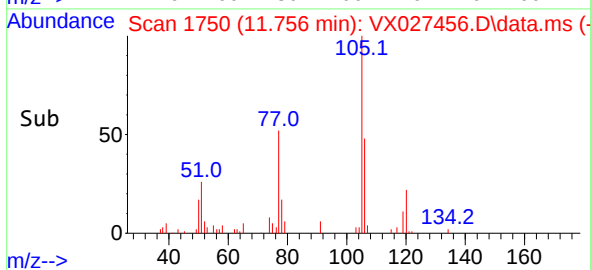
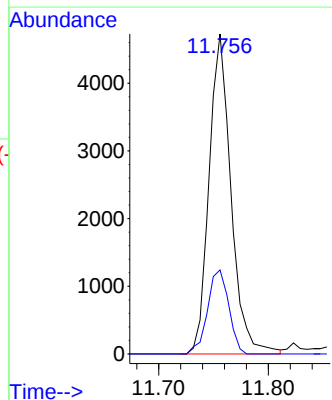
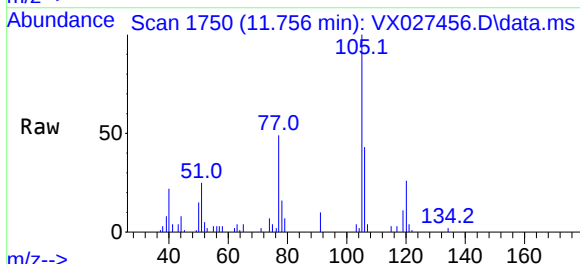
Instrument :
MSVOA_X
ClientSampleId :
31339

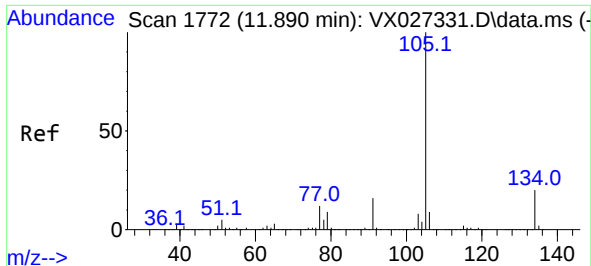
Tgt Ion: 75 Resp: 128756
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.443 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027456.D
Acq: 15 Mar 2022 18:42

Tgt Ion: 105 Resp: 6573
Ion Ratio Lower Upper
105 100
120 25.3 22.6 67.8

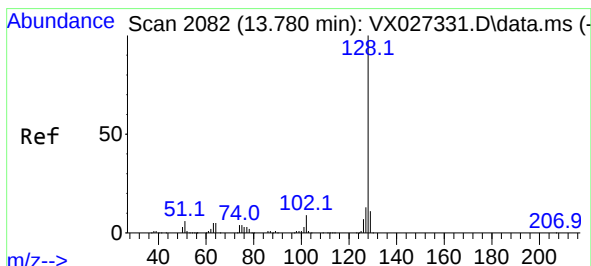
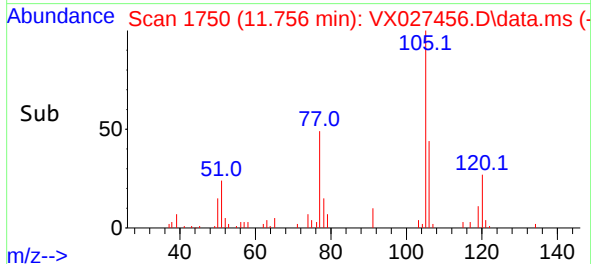
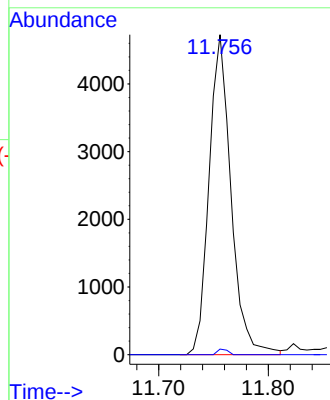
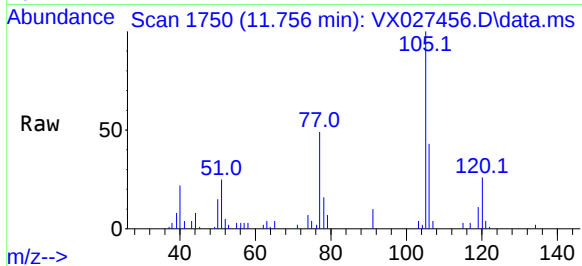




#85
 sec-Butylbenzene
 Concen: 0.364 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX027456.D
 Acq: 15 Mar 2022 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 31339

Tgt Ion:105 Resp: 6573
 Ion Ratio Lower Upper
 105 100
 134 0.8 10.2 30.4#



#95
 Naphthalene
 Concen: 0.840 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX027456.D
 Acq: 15 Mar 2022 18:42

Tgt Ion:128 Resp: 15120
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.2 15.4
 129 11.8 8.7 13.1

