

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033302.D
 Acq On : 07 Dec 2022 23:24
 Operator : JC/MD
 Sample : N5906-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H-3R

Quant Time: Dec 08 01:45:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

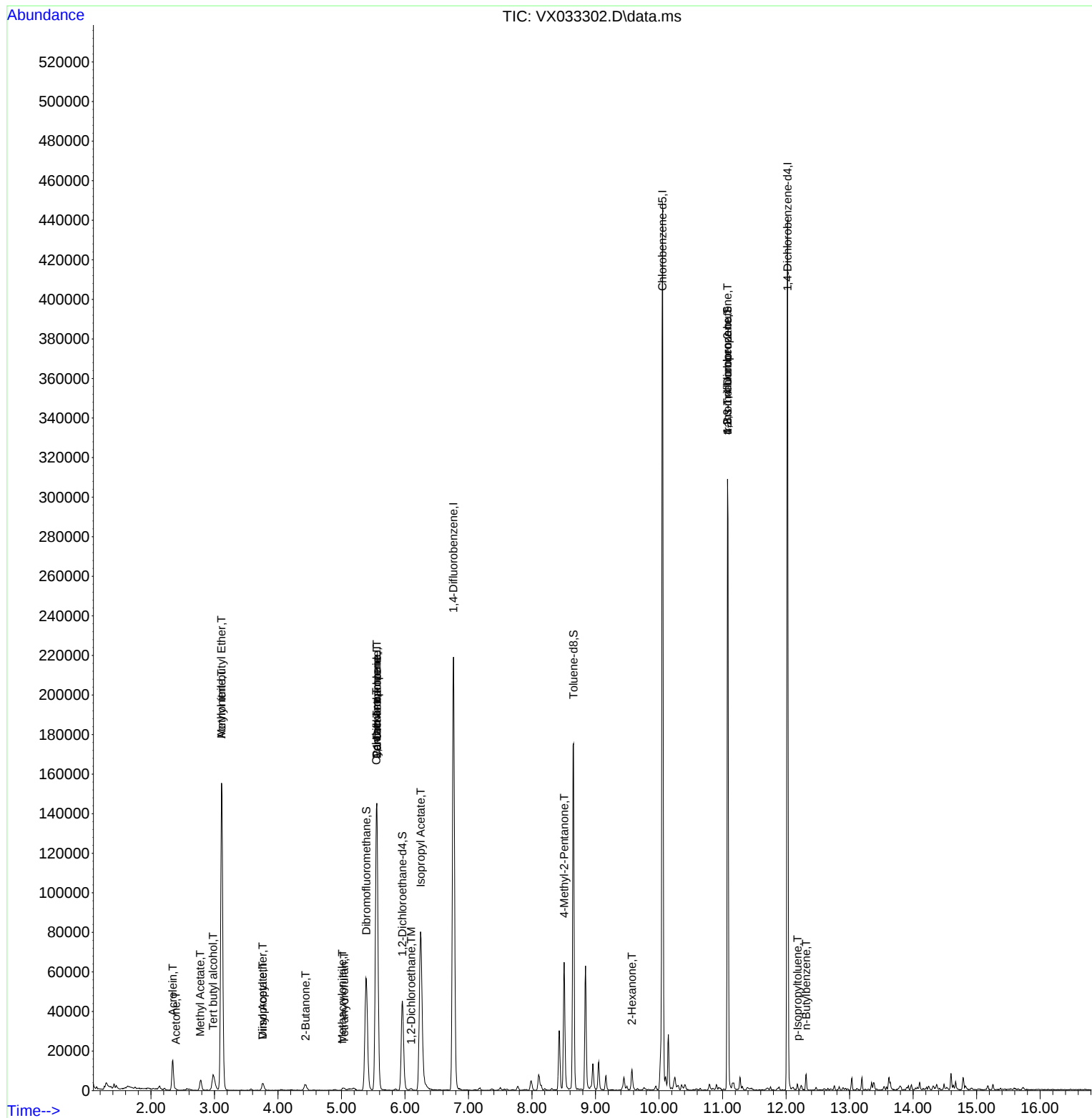
Internal Standards						
1) Pentafluorobenzene	5.556	168	139699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46758	52.173	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.340%	
35) Dibromofluoromethane	5.391	113	49803	49.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.140%	
50) Toluene-d8	8.653	98	107393	50.583	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	11.079	95	81126	49.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	13106	47.832	ug/l	100
13) Acrolein	2.343	56	2080	6.999	ug/l #	82
15) Acrylonitrile	3.111	53	1986	2.926	ug/l #	28
16) Acetone	2.392	43	728	1.098	ug/l #	82
18) Methyl Acetate	2.776	43	3631	1.891	ug/l #	51
19) Methyl tert-butyl Ether	3.111	73	169822	38.711	ug/l	100
22) Diisopropyl ether	3.757	45	3632	0.838	ug/l #	90
23) Vinyl Acetate	3.757	43	1997	0.594	ug/l #	72
25) 2-Butanone	4.434	43	232	0.244	ug/l #	47
29) Tetrahydrofuran	5.044	42	1104	1.790	ug/l #	31
31) Cyclohexane	5.550	56	2959	1.389	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	10482	5.297	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14251	6.428	ug/l #	14
41) Methacrylonitrile	5.013	41	322	0.312	ug/l #	46
42) 1,2-Dichloroethane	6.098	62	998	0.436	ug/l #	77
43) Isopropyl Acetate	6.245	43	21287	7.073	ug/l #	63
51) 4-Methyl-2-Pentanone	8.507	43	6871	3.610	ug/l #	60
59) 2-Hexanone	9.573	43	1848	1.318	ug/l	70
76) 1,2,3-Trichloropropane	11.079	75	42815	22.604	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42815	70.312	ug/l #	6
86) p-Isopropyltoluene	12.183	119	1515	0.269	ug/l	98
89) n-Butylbenzene	12.317	91	927	0.201	ug/l #	1

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

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Quant Time: Dec 08 01:45:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

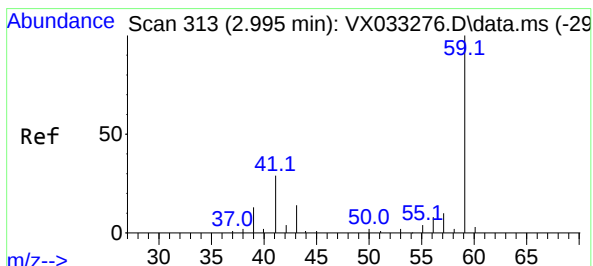
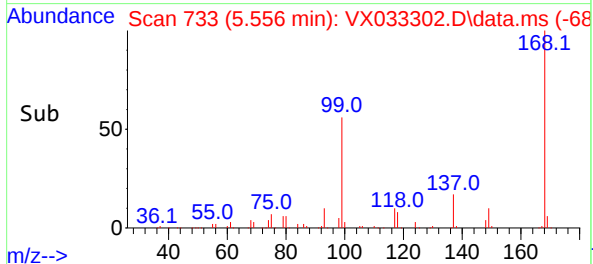
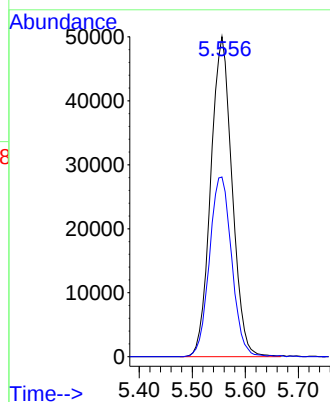
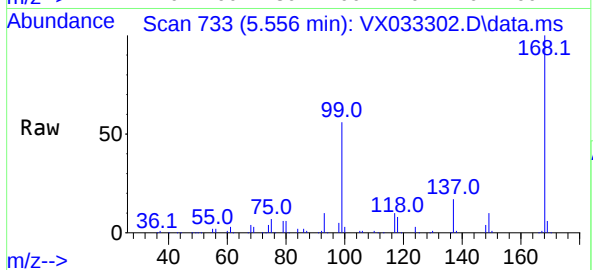




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

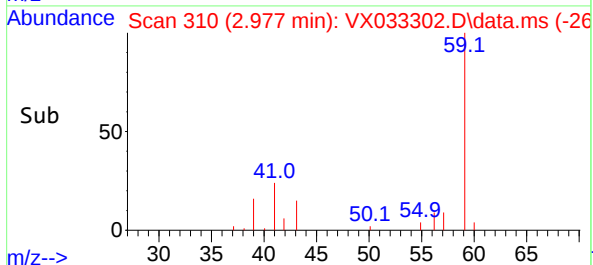
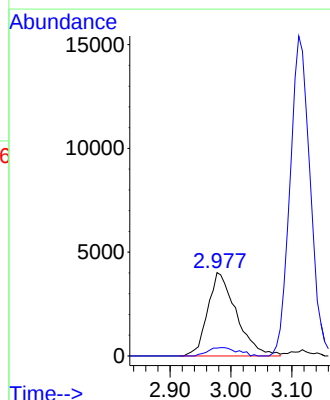
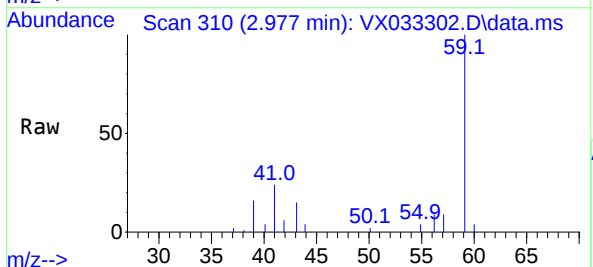
Instrument :
MSVOA_X
ClientSampleId :
H-3R

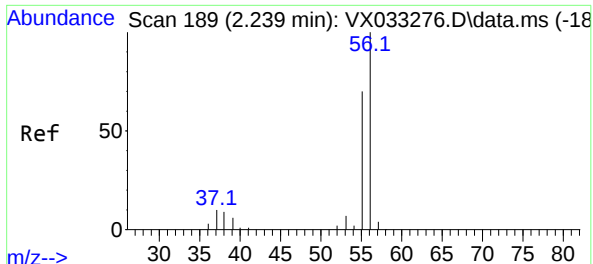
Tgt Ion:168 Resp: 139699
Ion Ratio Lower Upper
168 100
99 56.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 47.832 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.018 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 59 Resp: 13106
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

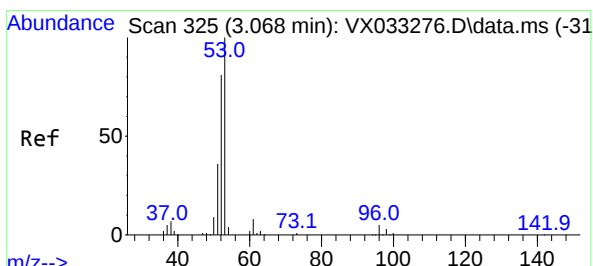
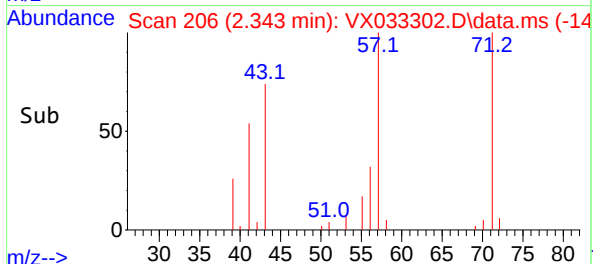
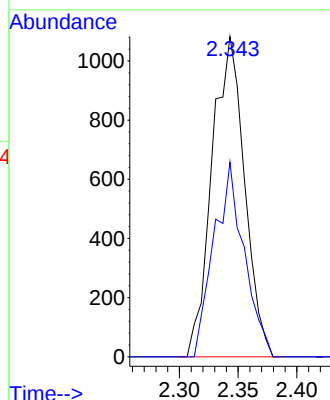
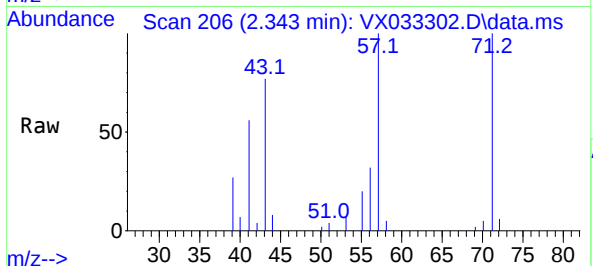




#13
Acrolein
Concen: 6.999 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.104 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

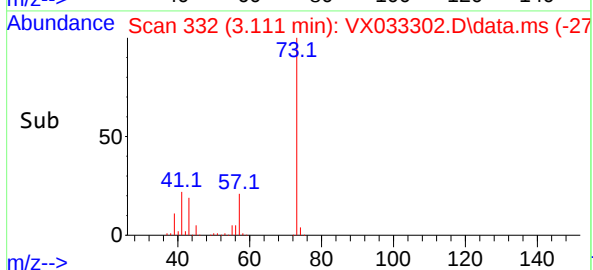
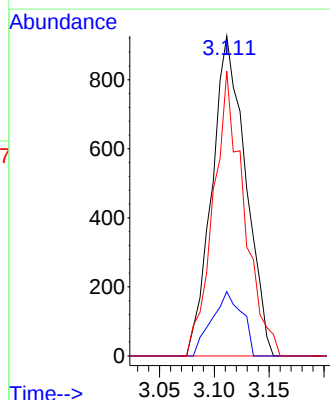
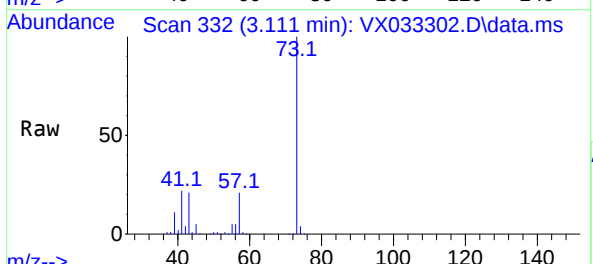
Instrument :
MSVOA_X
ClientSampleId :
H-3R

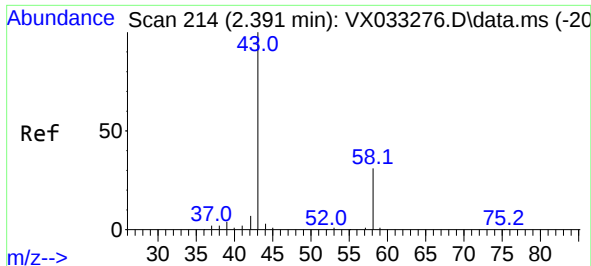
Tgt Ion: 56 Resp: 2080
Ion Ratio Lower Upper
56 100
55 56.4 56.9 85.3#



#15
Acrylonitrile
Concen: 2.926 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.043 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 53 Resp: 1986
Ion Ratio Lower Upper
53 100
52 17.9 67.4 101.0#
51 80.6 30.3 45.5#

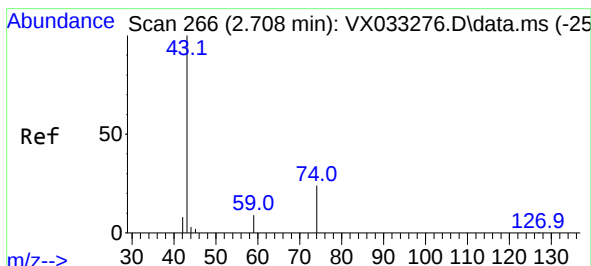
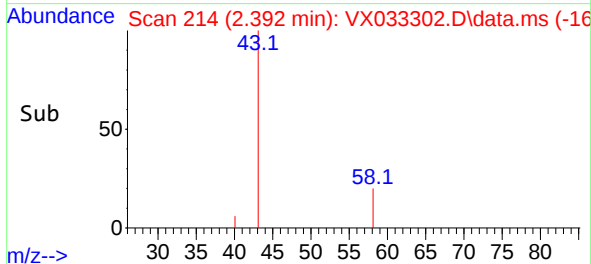
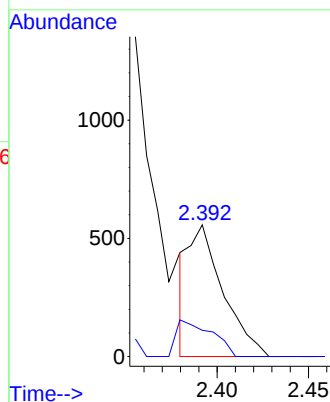
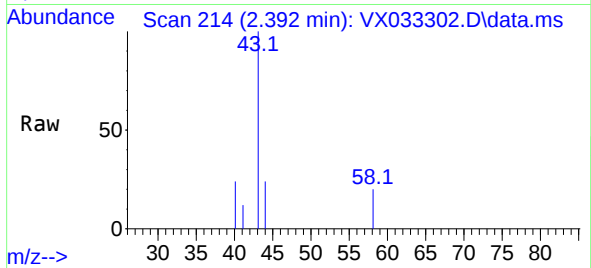




#16
Acetone
Concen: 1.098 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

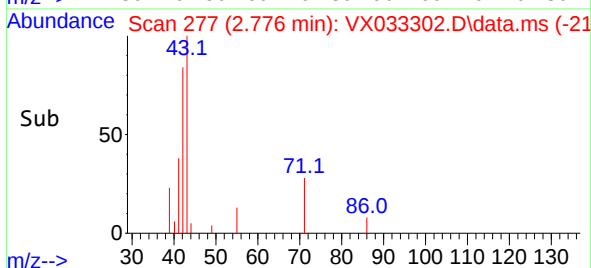
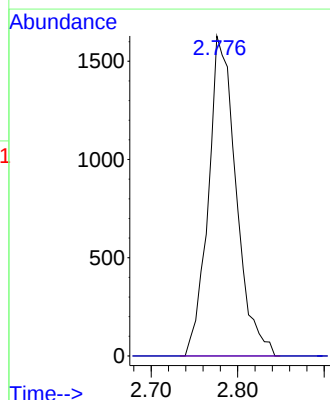
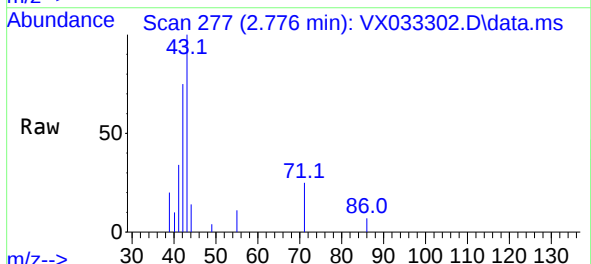
Instrument :
MSVOA_X
ClientSampleId :
H-3R

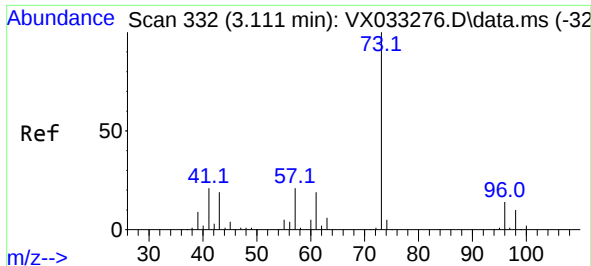
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 19.9 23.8 35.8#



#18
Methyl Acetate
Concen: 1.891 ug/l
RT: 2.776 min Scan# 277
Delta R.T. 0.067 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

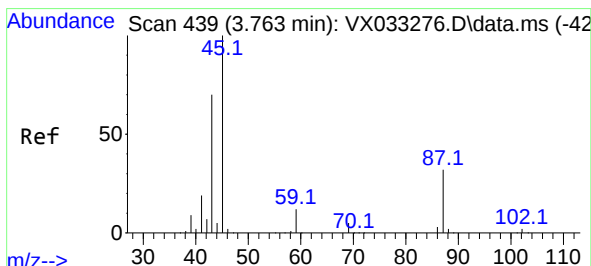
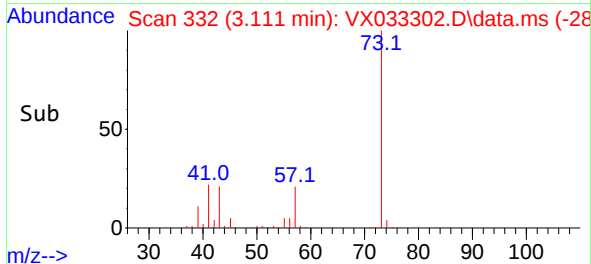
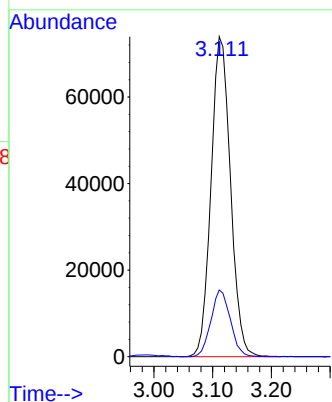
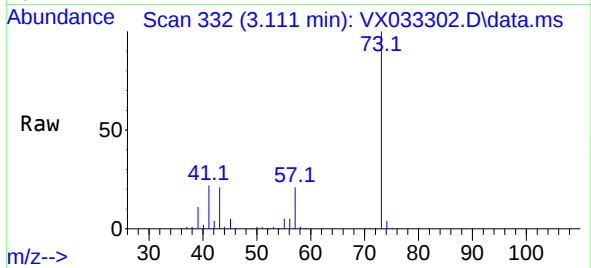




#19
Methyl tert-butyl Ether
Concen: 38.711 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

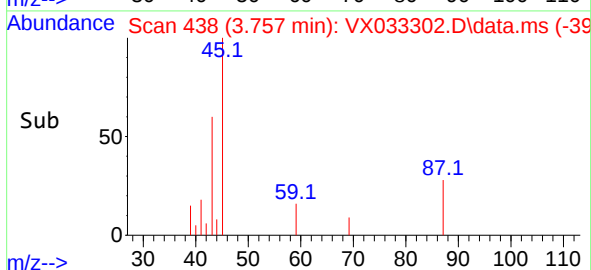
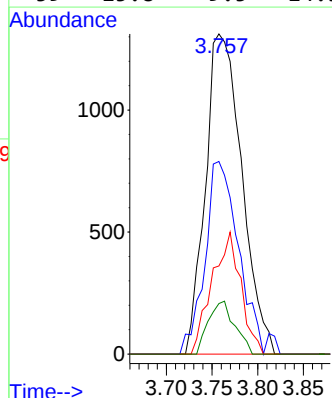
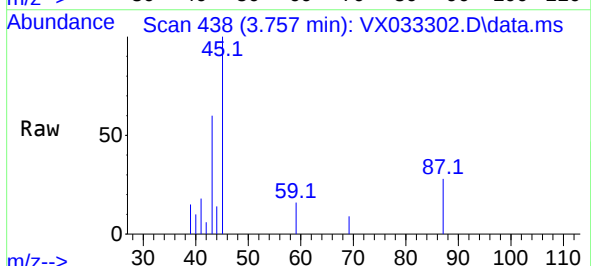
Instrument :
MSVOA_X
ClientSampleId :
H-3R

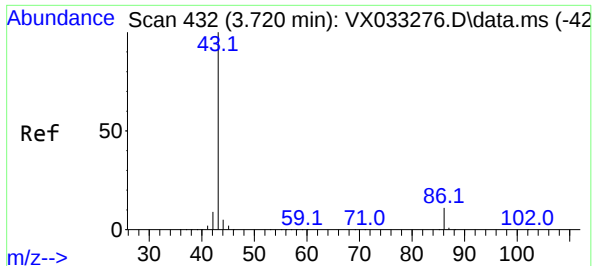
Tgt Ion: 73 Resp: 169822
Ion Ratio Lower Upper
73 100
57 20.9 16.6 25.0



#22
Diisopropyl ether
Concen: 0.838 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 45 Resp: 3632
Ion Ratio Lower Upper
45 100
43 60.1 56.4 84.6
87 27.5 24.4 36.6
59 15.8 9.5 14.3





#23

Vinyl Acetate

Concen: 0.594 ug/l

RT: 3.757 min Scan# 41

Delta R.T. 0.037 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

Instrument :

MSVOA_X

ClientSampleId :

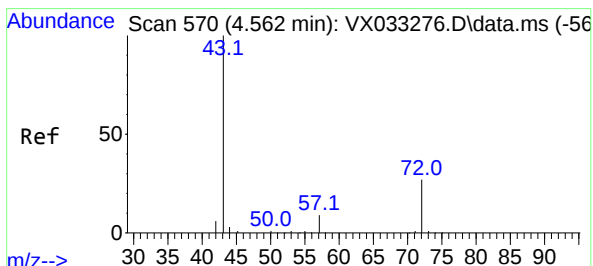
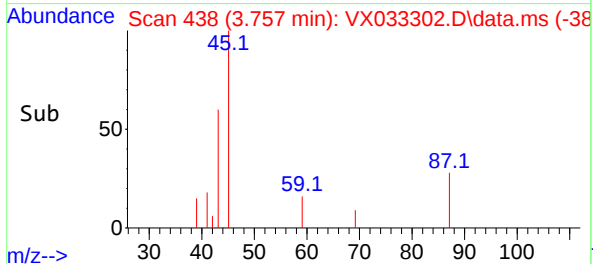
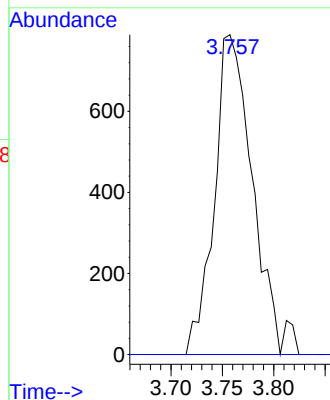
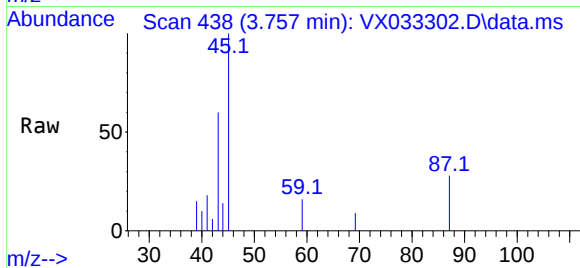
H-3R

Tgt Ion: 43 Resp: 1997

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#



#25

2-Butanone

Concen: 0.244 ug/l

RT: 4.434 min Scan# 549

Delta R.T. -0.128 min

Lab File: VX033302.D

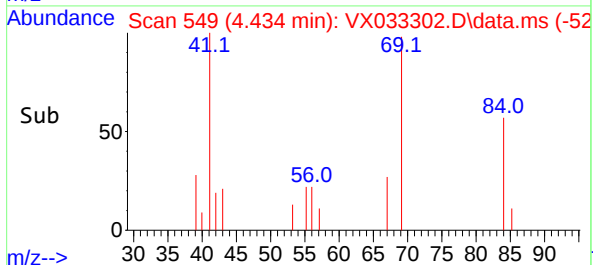
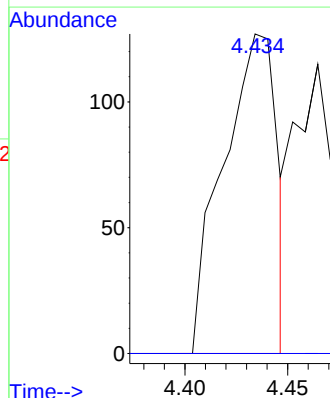
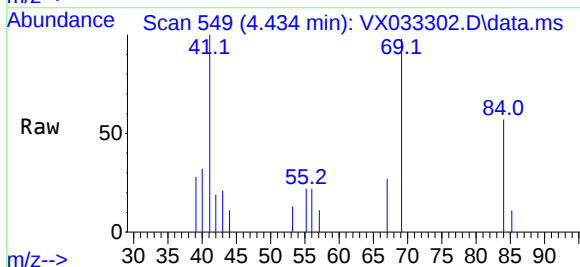
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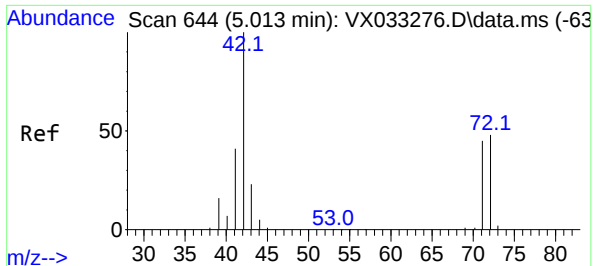
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#





#29

Tetrahydrofuran

Concen: 1.790 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.031 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

Instrument :

MSVOA_X

ClientSampleId :

H-3R

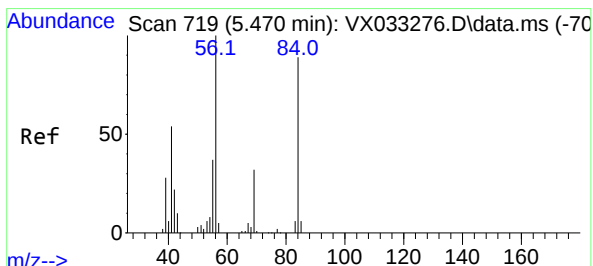
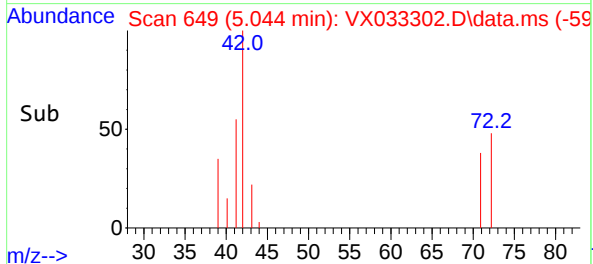
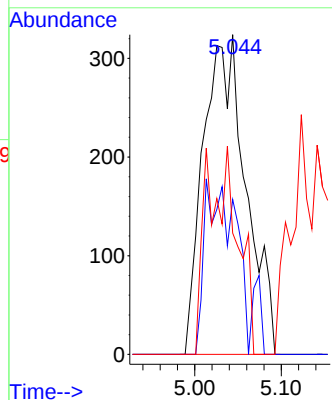
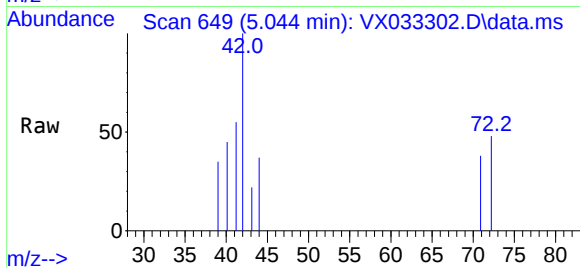
Tgt Ion: 42 Resp: 1104

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

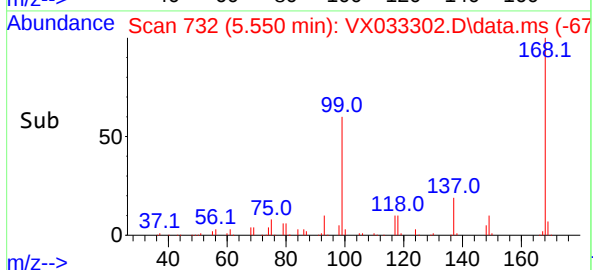
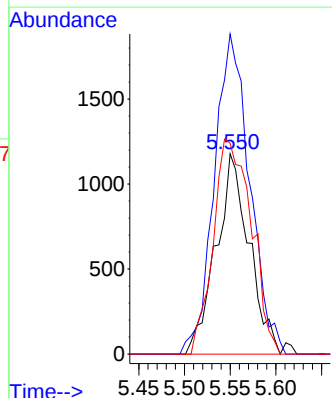
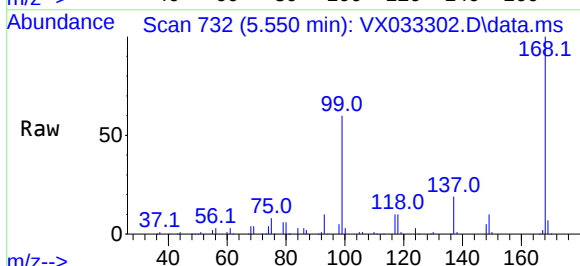
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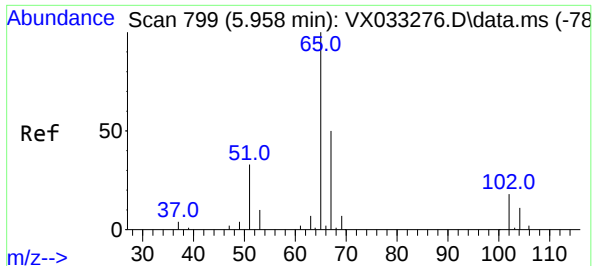
Ion Ratio Lower Upper

56 100

69 159.8 24.1 36.1#

84 105.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 52.173 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

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MSVOA_X

ClientSampleId :

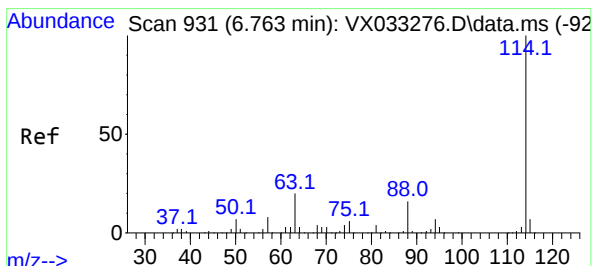
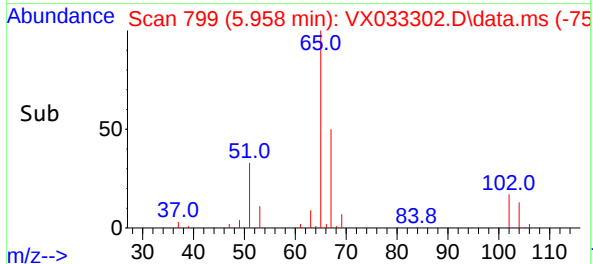
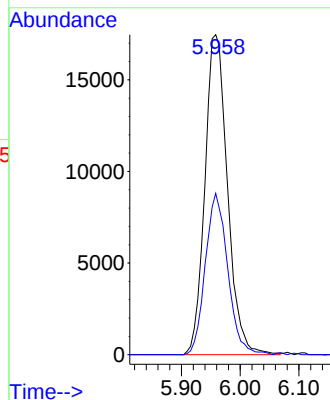
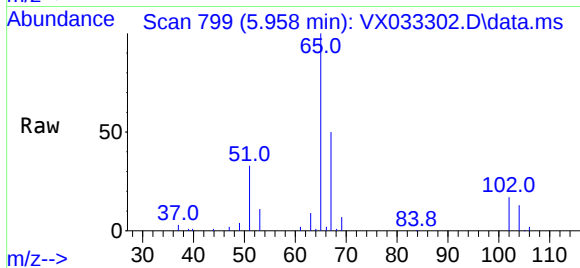
H-3R

Tgt Ion: 65 Resp: 46758

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

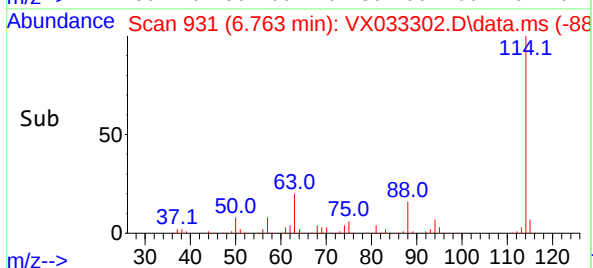
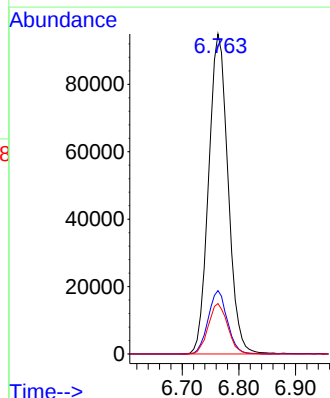
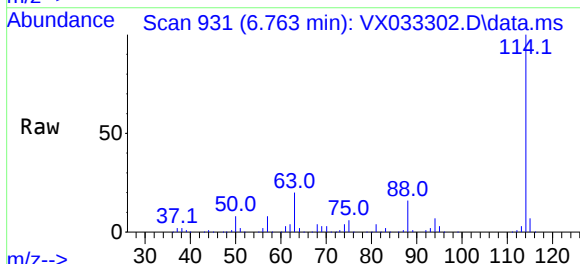
Tgt Ion: 114 Resp: 225642

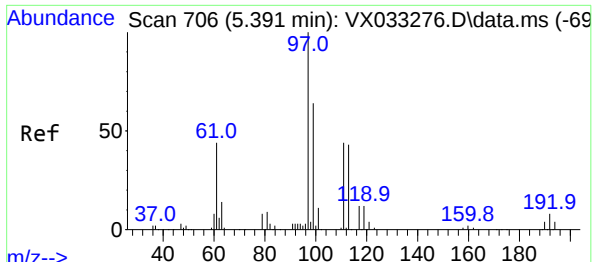
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 15.7 0.0 33.4



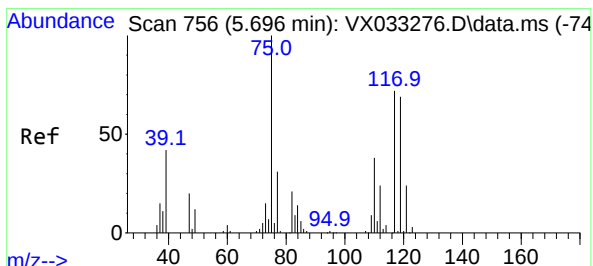
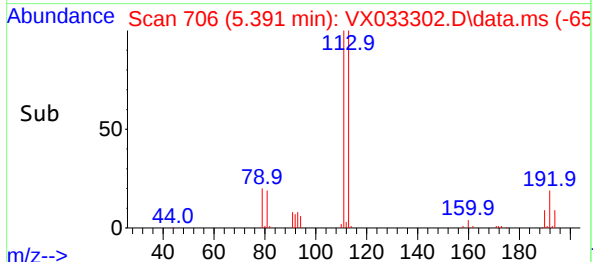
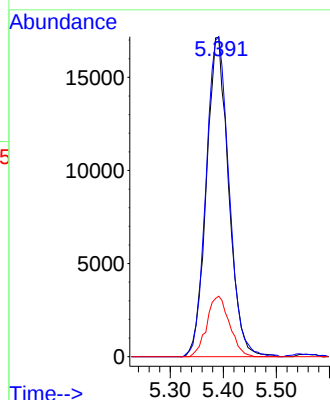
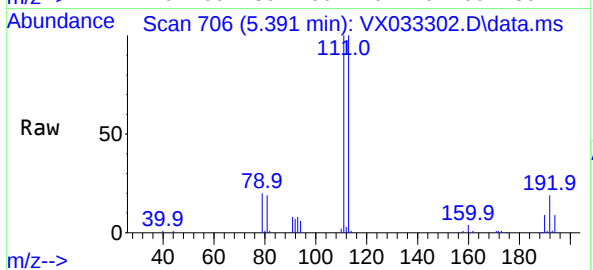


#35
Dibromofluoromethane
Concen: 49.072 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Instrument :
MSVOA_X
ClientSampleId :
H-3R

Tgt Ion: 113 Resp: 49803

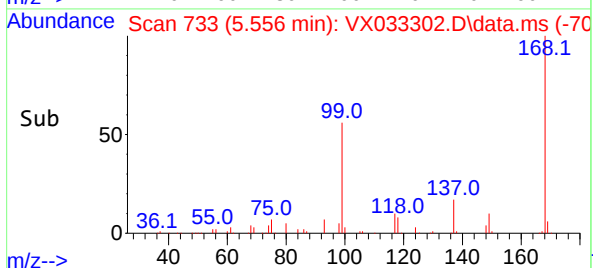
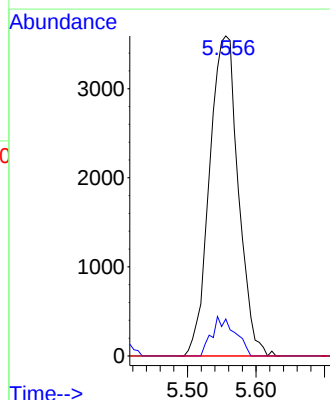
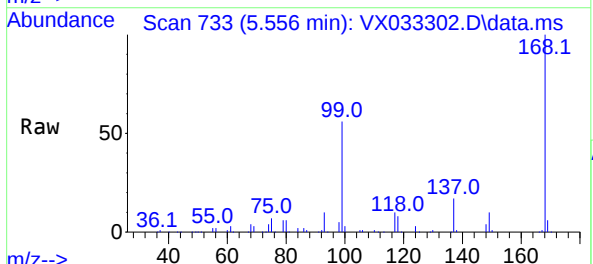
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	19.3	15.4	23.2

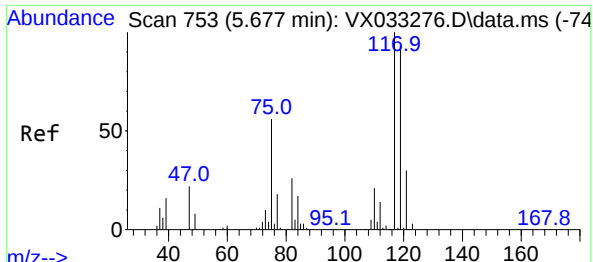


#36
1,1-Dichloropropene
Concen: 5.297 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 75 Resp: 10482

Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.4	55.2#
77	0.0	24.5	36.7#

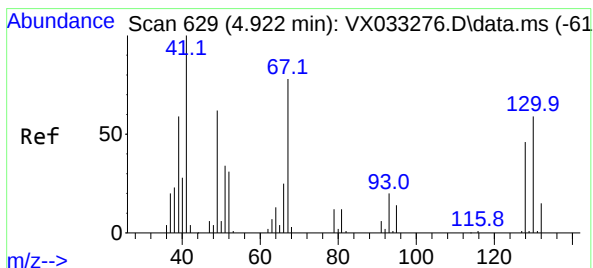
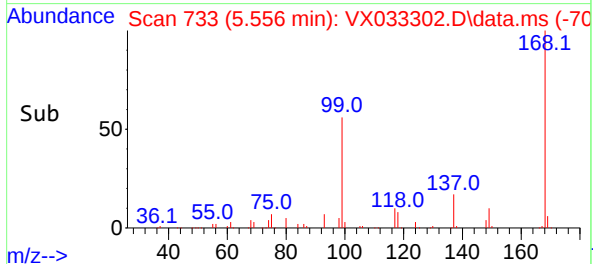
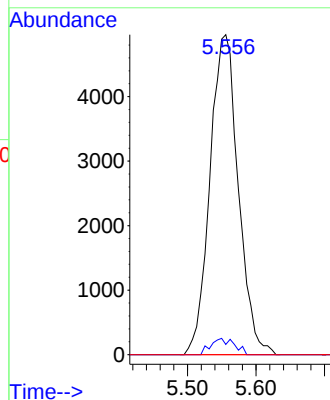
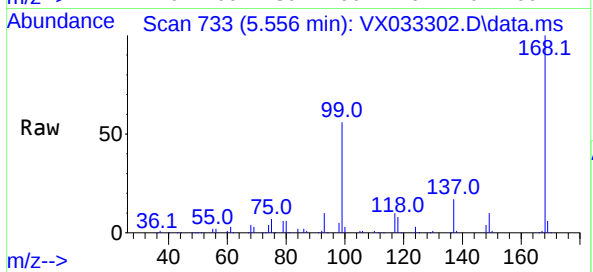




#38
Carbon Tetrachloride
Concen: 6.428 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

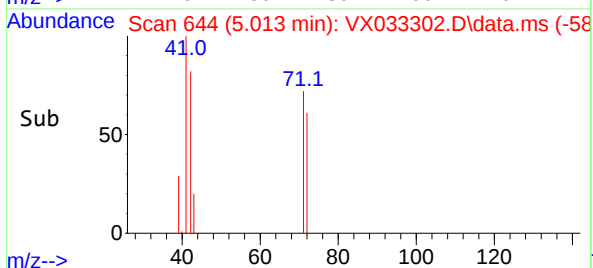
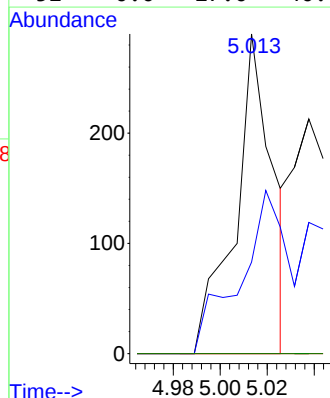
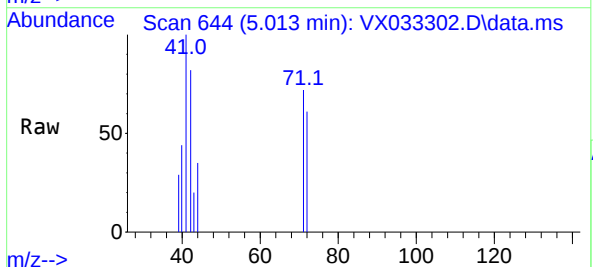
Instrument :
MSVOA_X
ClientSampleId :
H-3R

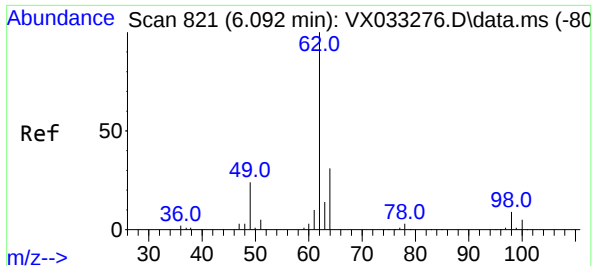
Tgt Ion:117 Resp: 14251
Ion Ratio Lower Upper
117 100
119 3.2 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.312 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.092 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
39 64.3 47.5 71.3
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#





#42

1,2-Dichloroethane

Concen: 0.436 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

Instrument :

MSVOA_X

ClientSampleId :

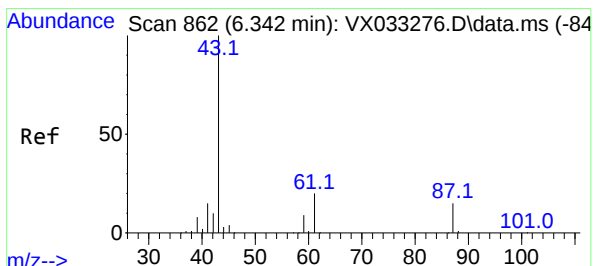
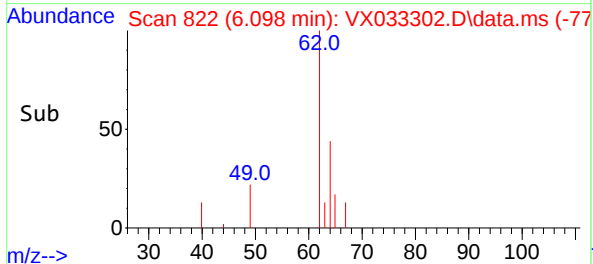
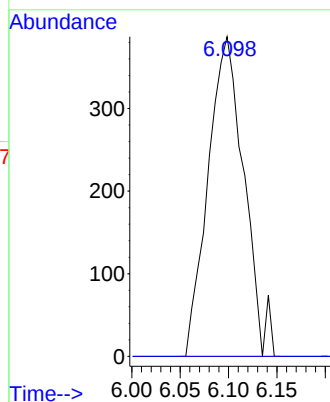
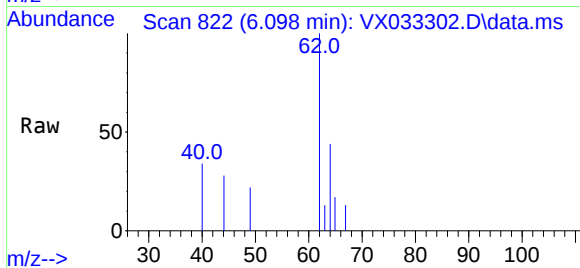
H-3R

Tgt Ion: 62 Resp: 998

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 7.073 ug/l

RT: 6.245 min Scan# 846

Delta R.T. -0.097 min

Lab File: VX033302.D

Acq: 07 Dec 2022 23:24

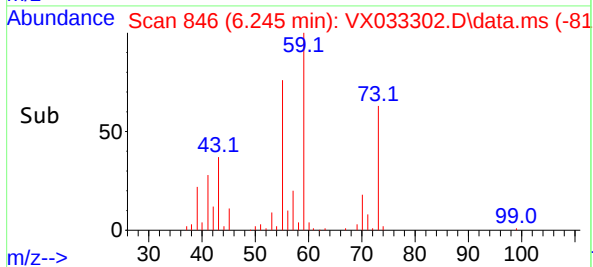
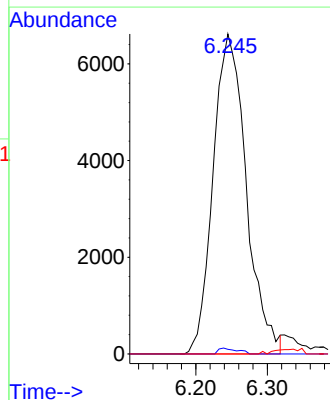
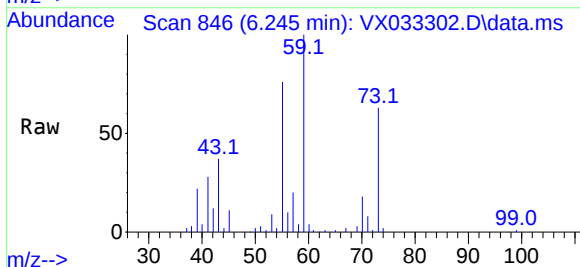
Tgt Ion: 43 Resp: 21287

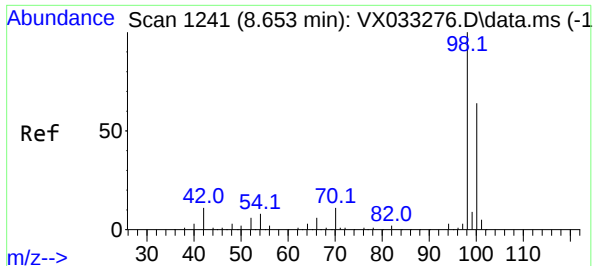
Ion Ratio Lower Upper

43 100

61 1.0 15.4 23.0#

87 0.0 10.8 16.2#

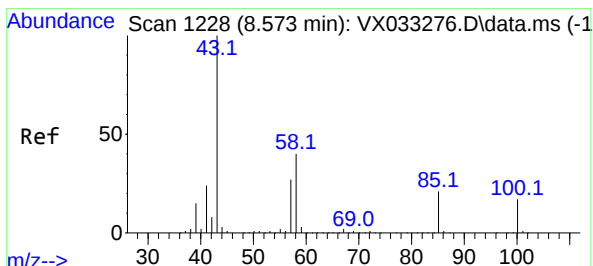
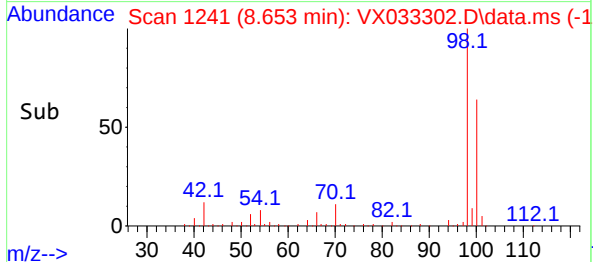
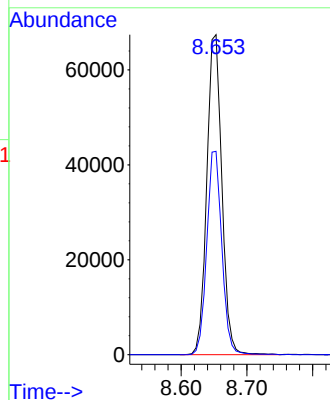
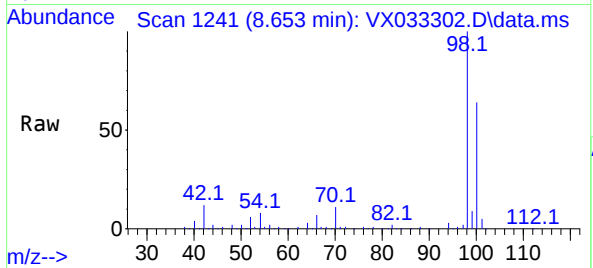




#50
Toluene-d8
Concen: 50.583 ug/l
RT: 8.653 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

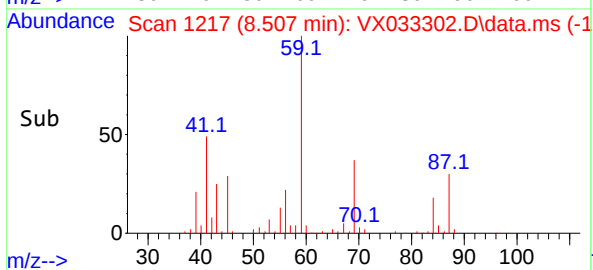
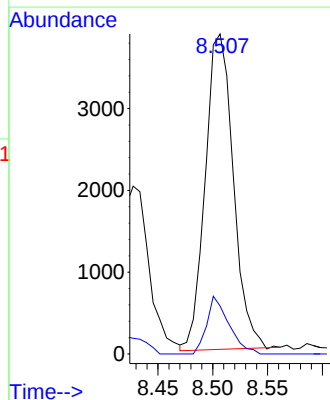
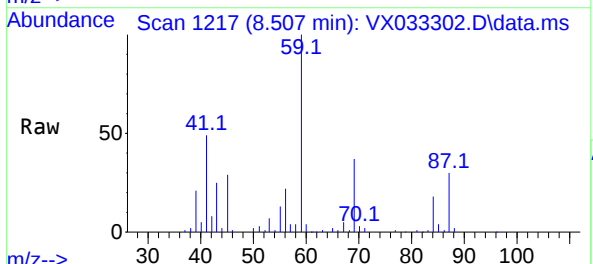
Instrument :
MSVOA_X
ClientSampleId :
H-3R

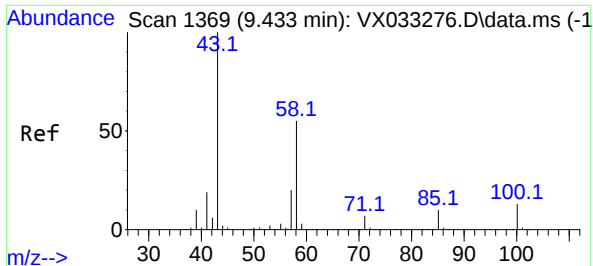
Tgt Ion: 98 Resp: 107393
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 3.610 ug/l
RT: 8.507 min Scan# 1217
Delta R.T. -0.067 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 43 Resp: 6871
Ion Ratio Lower Upper
43 100
58 14.5 30.9 46.3

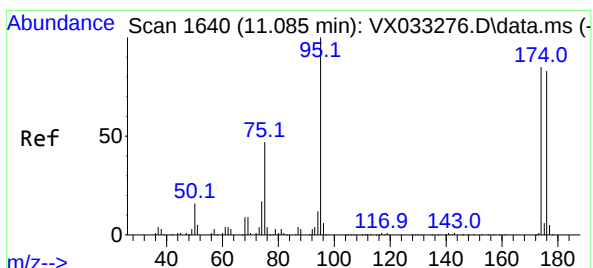
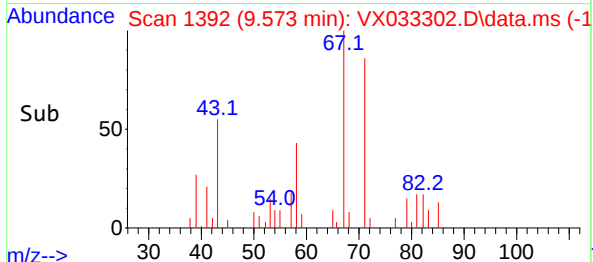
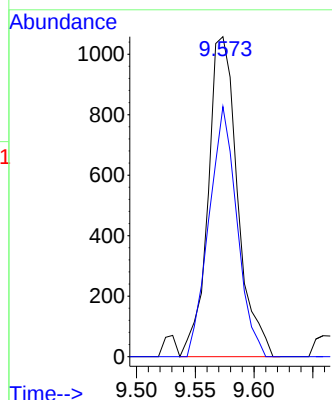
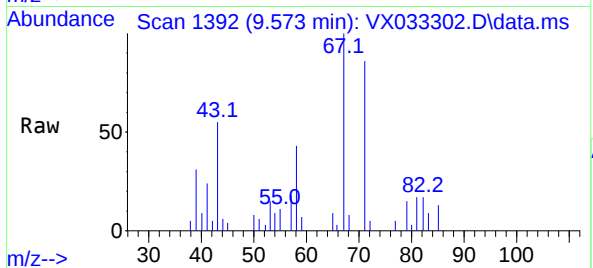




#59
2-Hexanone
Concen: 1.318 ug/l
RT: 9.573 min Scan# 11
Delta R.T. 0.141 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

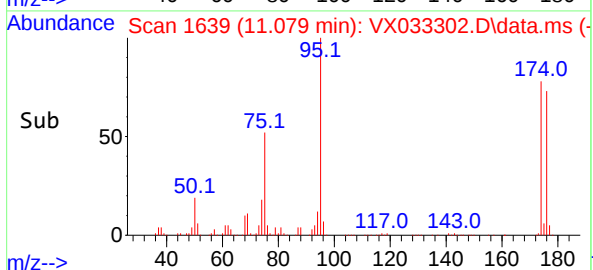
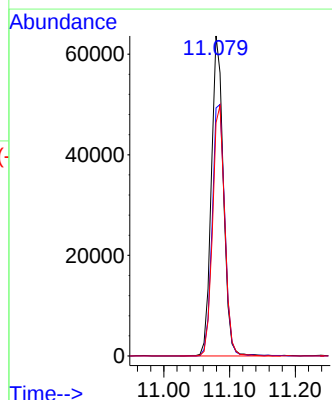
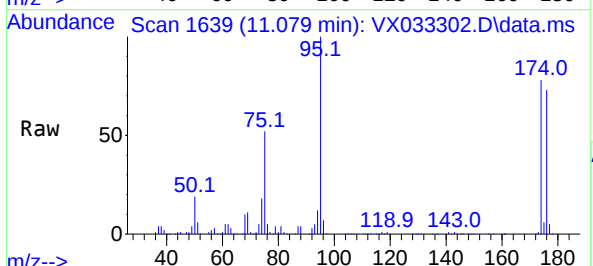
Instrument :
MSVOA_X
ClientSampleId :
H-3R

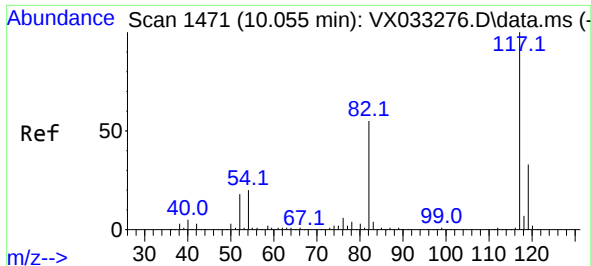
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
58 74.1 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 49.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 95 Resp: 81126
Ion Ratio Lower Upper
95 100
174 81.9 0.0 164.0
176 78.7 0.0 154.4

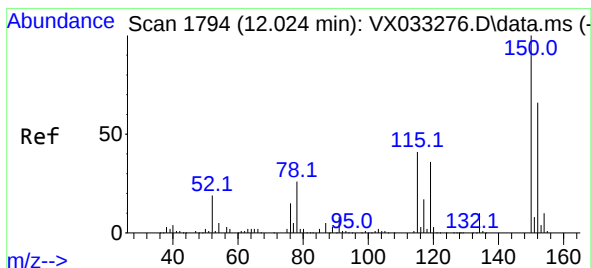
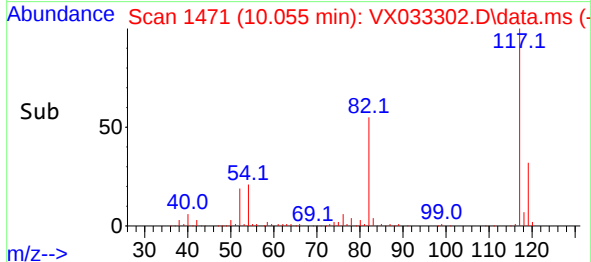
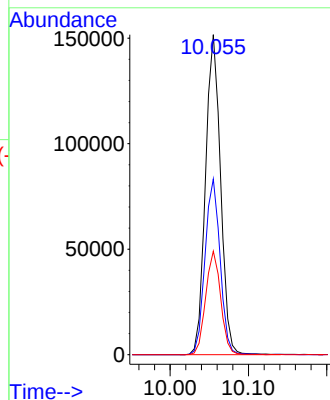
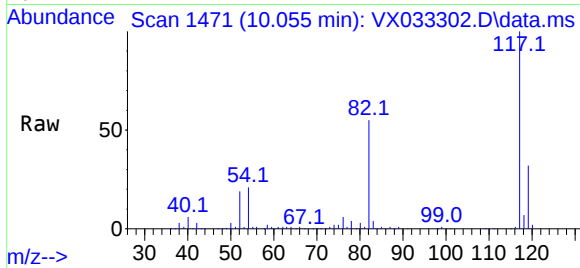




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

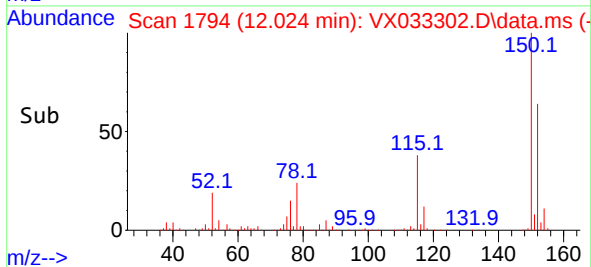
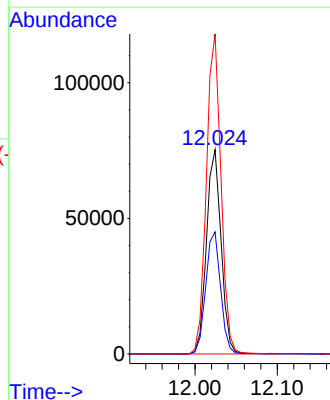
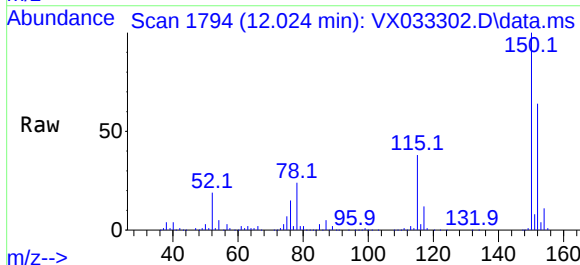
Instrument :
MSVOA_X
ClientSampleId :
H-3R

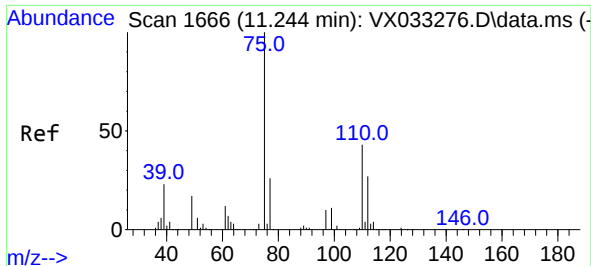
Tgt Ion:117 Resp: 202001
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion:152 Resp: 93102
Ion Ratio Lower Upper
152 100
115 60.8 44.0 132.0
150 156.1 0.0 351.8

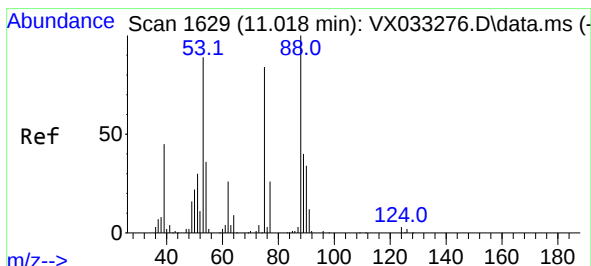
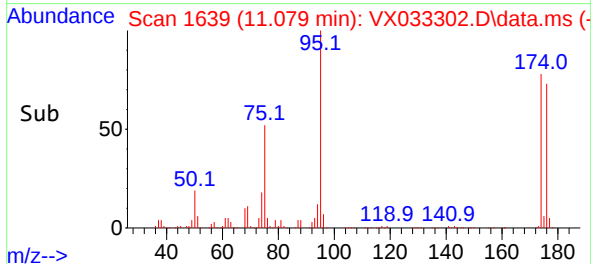
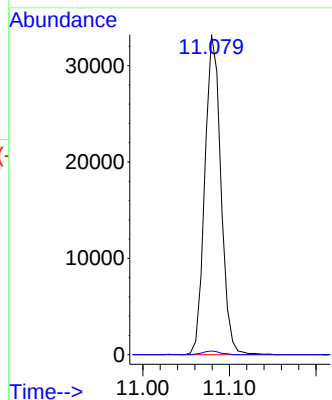
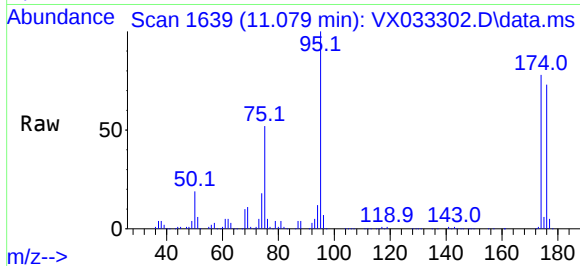




#76
1,2,3-Trichloropropane
Concen: 22.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

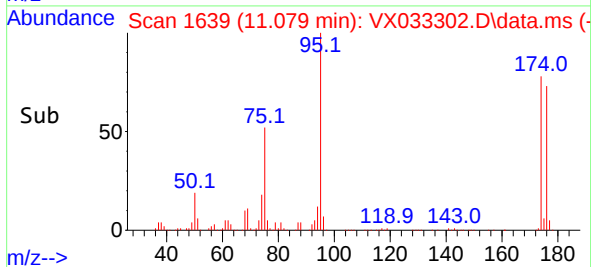
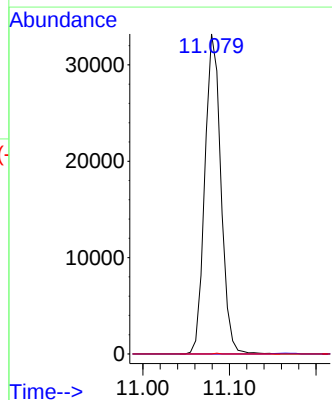
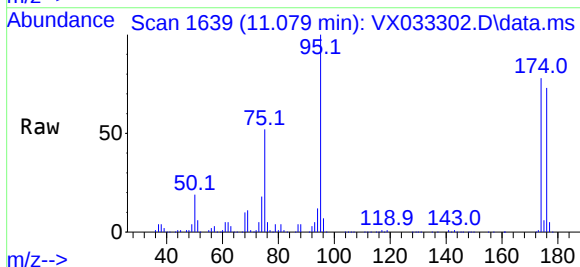
Instrument :
MSVOA_X
ClientSampleId :
H-3R

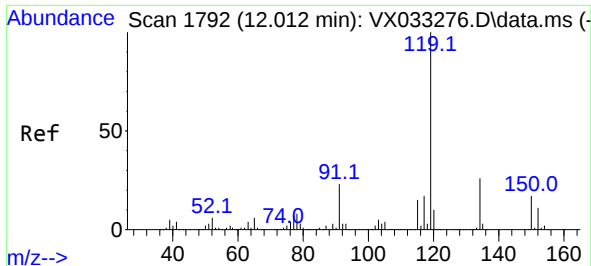
Tgt Ion: 75 Resp: 42815
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 75 Resp: 42815
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#



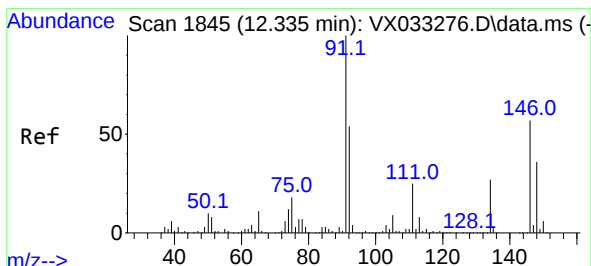
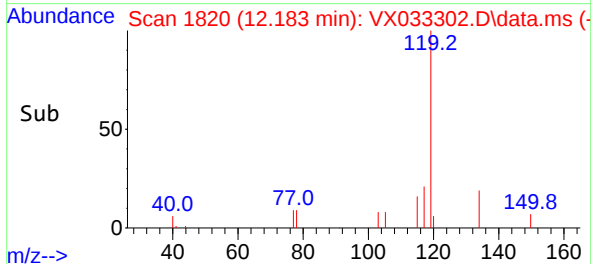
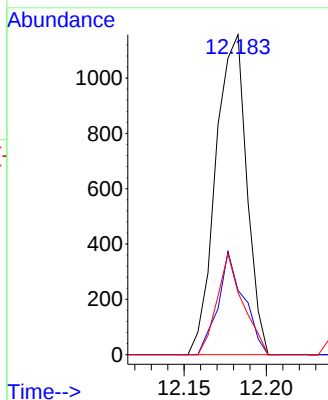
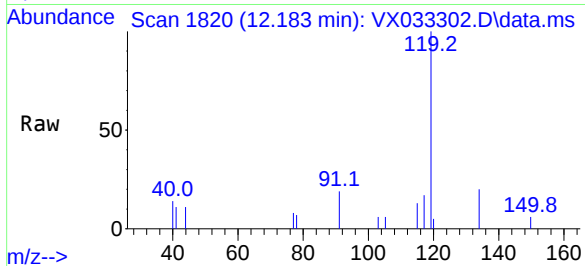


#86
p-Isopropyltoluene
Concen: 0.269 ug/l
RT: 12.183 min Scan# 119
Delta R.T. 0.171 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Instrument :
MSVOA_X
ClientSampleId :
H-3R

Tgt Ion:119 Resp: 1515

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	26.3	12.5	37.5



#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX033302.D
Acq: 07 Dec 2022 23:24

Tgt Ion: 91 Resp: 927

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.2	78.6#
134	123.4	12.9	38.6#

