

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033440.D
 Acq On : 15 Dec 2022 14:27
 Operator : JC/MD
 Sample : N6051-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-591

Quant Time: Dec 16 01:02:38 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)

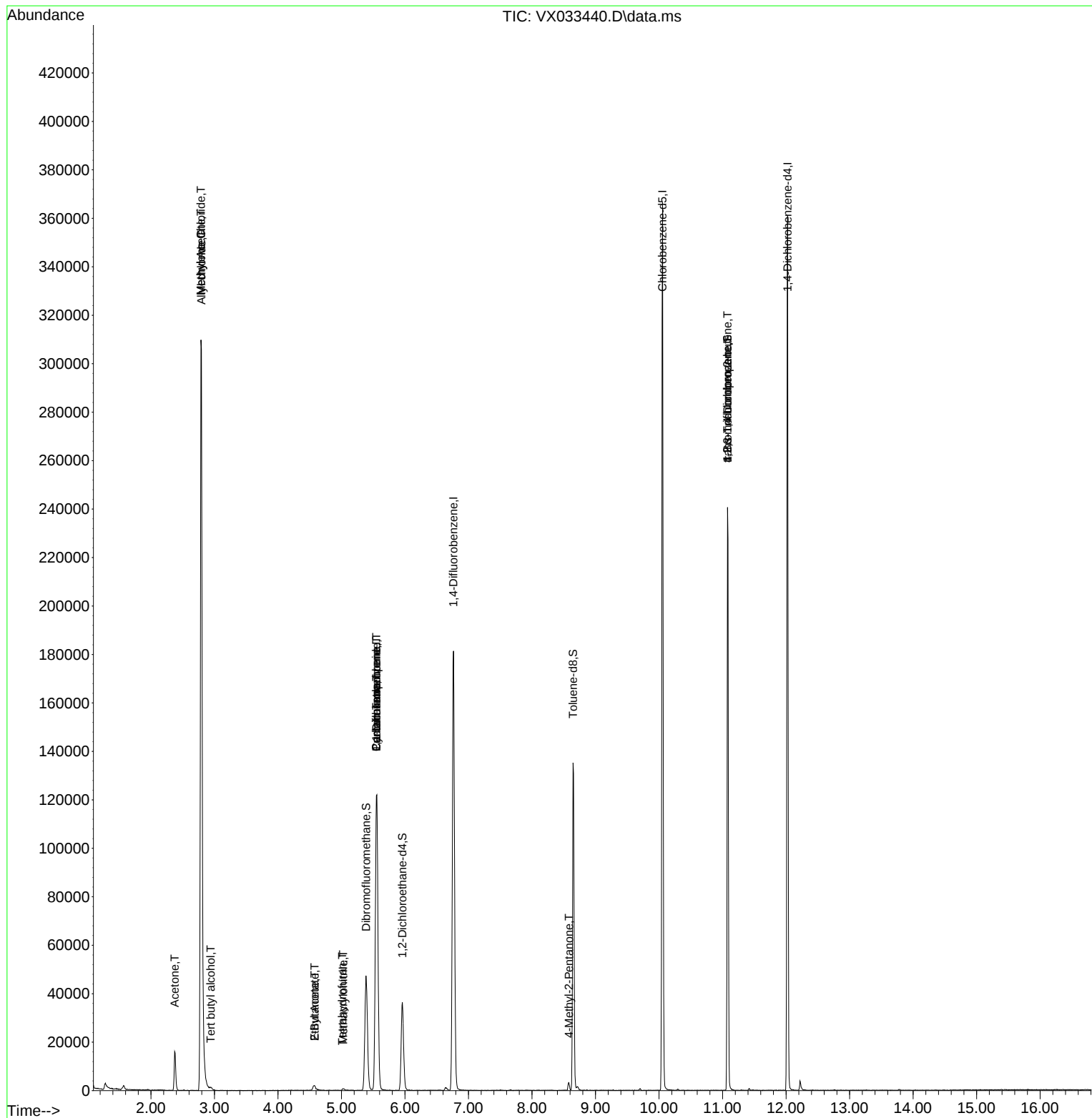
Internal Standards						
1) Pentafluorobenzene	5.549	168	120878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37423	48.258	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.520%		
35) Dibromofluoromethane	5.385	113	41143	48.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.460%		
50) Toluene-d8	8.646	98	84379	47.281	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.560%		
62) 4-Bromofluorobenzene	11.079	95	64564	47.315	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.620%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	485	2.046	ug/l #	72
14) Allyl chloride	2.794	41	5009	2.862	ug/l #	20
16) Acetone	2.373	43	16950	29.538	ug/l	94
18) Methyl Acetate	2.788	43	674	0.406	ug/l #	57
20) Methylene Chloride	2.788	84	164143	128.263	ug/l	92
25) 2-Butanone	4.574	43	3825	4.644	ug/l	95
29) Tetrahydrofuran	5.013	42	341	0.639	ug/l #	31
31) Cyclohexane	5.549	56	2411	1.308	ug/l #	5
36) 1,1-Dichloropropene	5.549	75	8822	5.304	ug/l #	50
37) Ethyl Acetate	4.574	43	3825	2.433	ug/l #	67
38) Carbon Tetrachloride	5.549	117	12270	6.584	ug/l #	17
41) Methacrylonitrile	5.025	41	332	0.383	ug/l #	32
51) 4-Methyl-2-Pentanone	8.579	43	2132	1.333	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	33746	21.010	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33746	65.355	ug/l #	6

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

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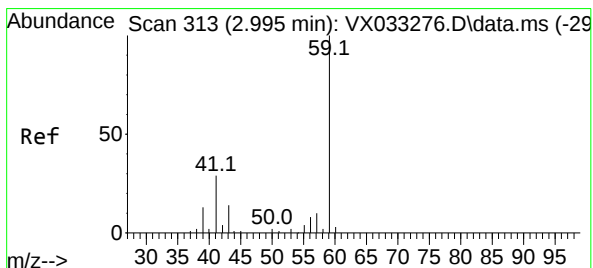
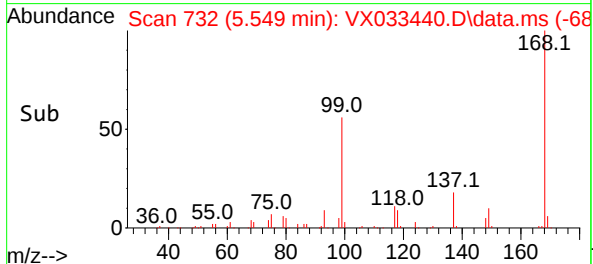
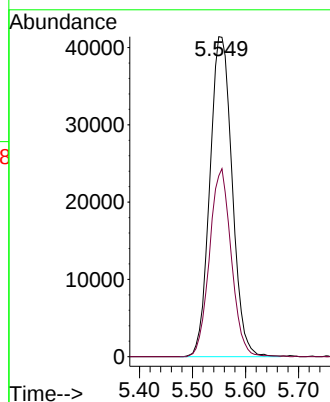
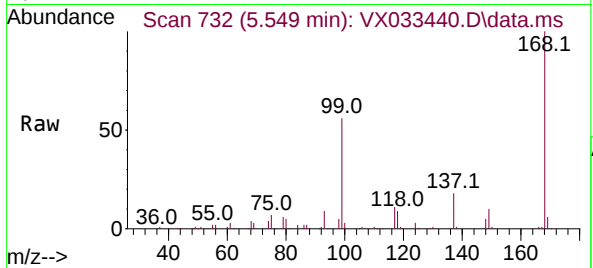




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

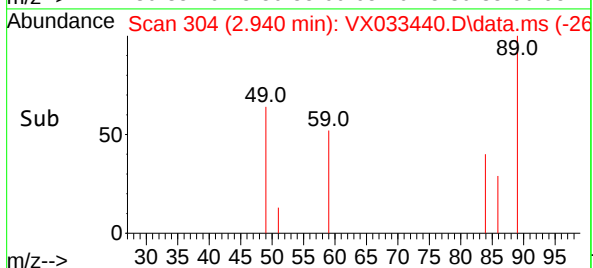
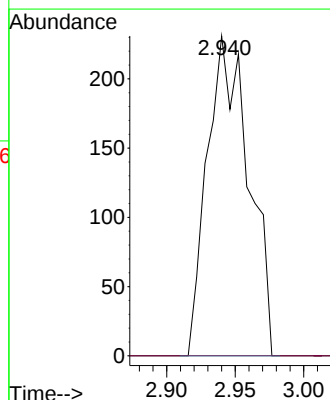
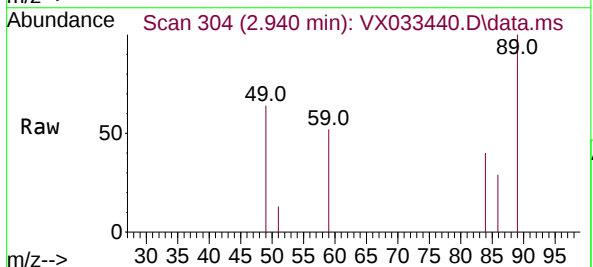
Instrument :
MSVOA_X
ClientSampleId :
SP-591

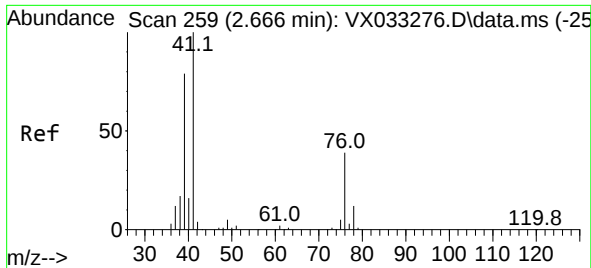
Tgt Ion:168 Resp: 120878
Ion Ratio Lower Upper
168 100
99 56.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 2.046 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

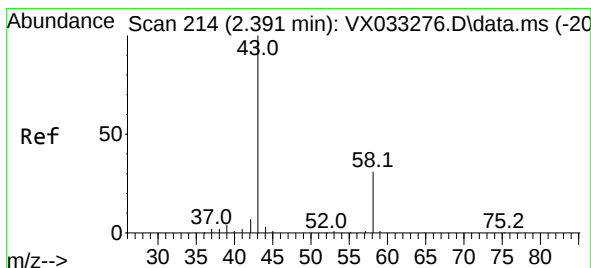
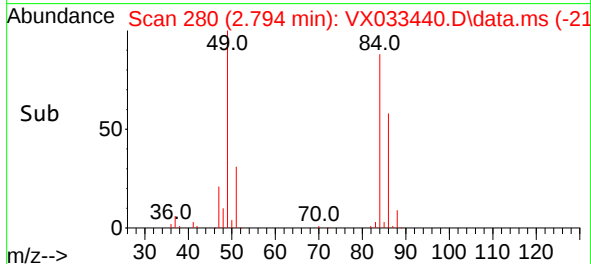
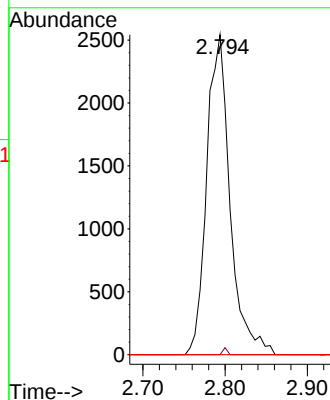
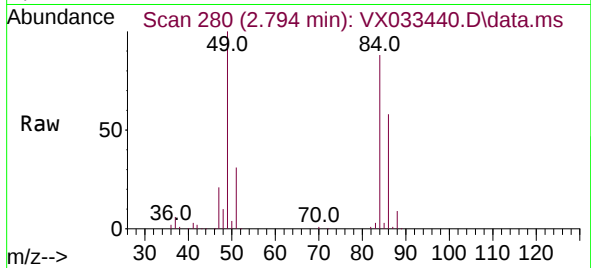




#14
 Allyl chloride
 Concen: 2.862 ug/l
 RT: 2.794 min Scan# 211
 Delta R.T. 0.128 min
 Lab File: VX033440.D
 Acq: 15 Dec 2022 14:27

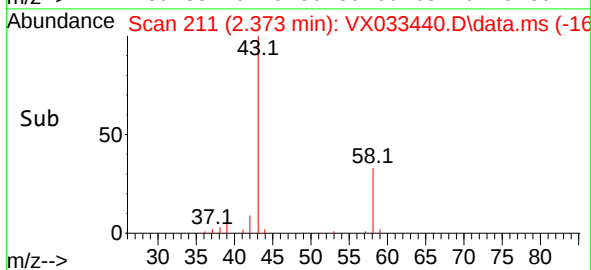
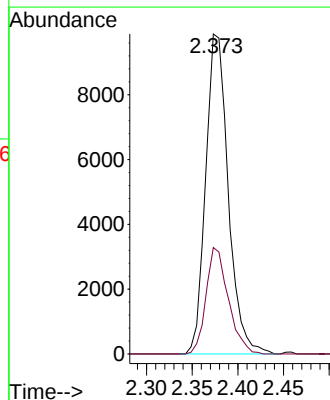
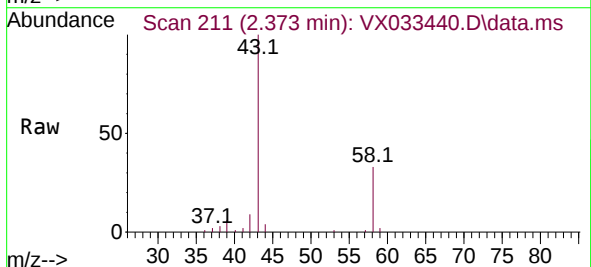
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-591

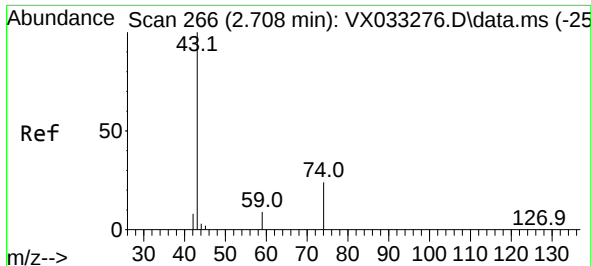
Tgt Ion: 41 Resp: 5009
 Ion Ratio Lower Upper
 41 100
 39 0.4 61.4 92.2#
 76 0.0 29.2 43.8#



#16
 Acetone
 Concen: 29.538 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.018 min
 Lab File: VX033440.D
 Acq: 15 Dec 2022 14:27

Tgt Ion: 43 Resp: 16950
 Ion Ratio Lower Upper
 43 100
 58 33.3 23.8 35.8

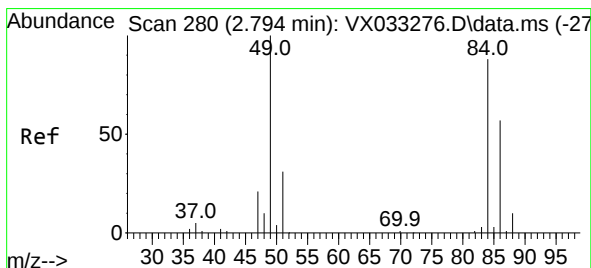
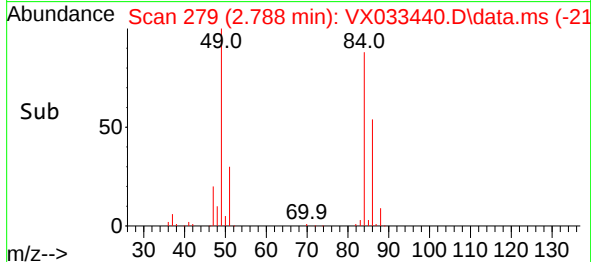
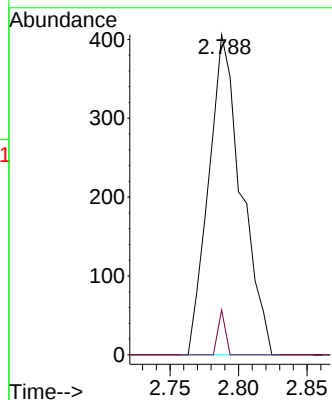
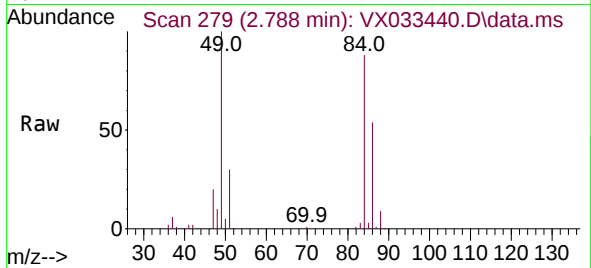




#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.079 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

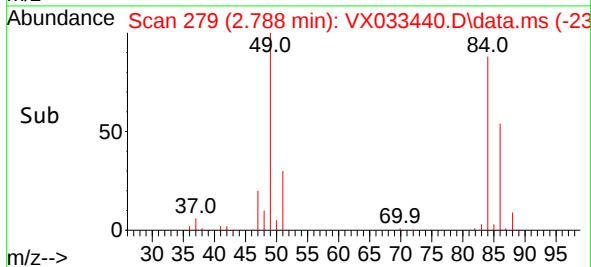
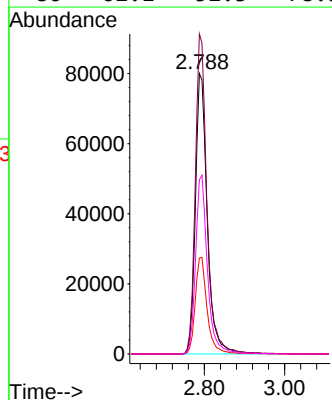
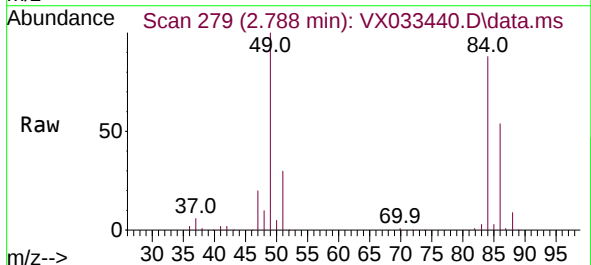
Instrument :
MSVOA_X
ClientSampleId :
SP-591

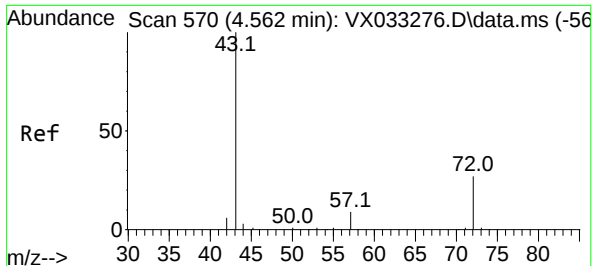
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
74 3.1 19.4 29.0#



#20
Methylene Chloride
Concen: 128.263 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 84 Resp: 164143
Ion Ratio Lower Upper
84 100
49 114.2 101.0 151.6
51 34.2 31.1 46.7
86 62.1 52.3 78.5





#25

2-Butanone

Concen: 4.644 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033440.D

Acq: 15 Dec 2022 14:27

Instrument :

MSVOA_X

ClientSampleId :

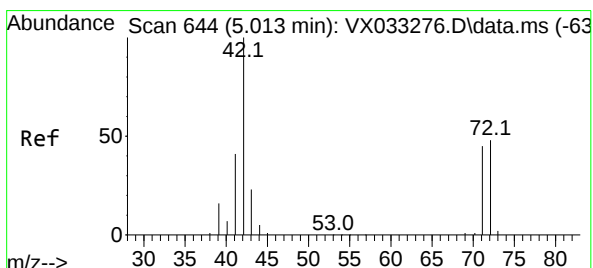
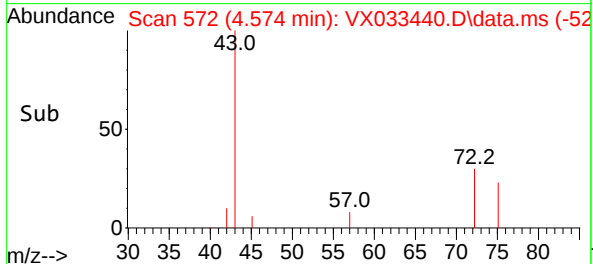
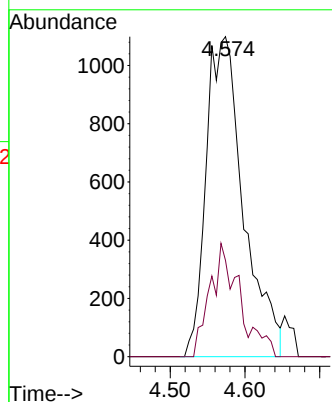
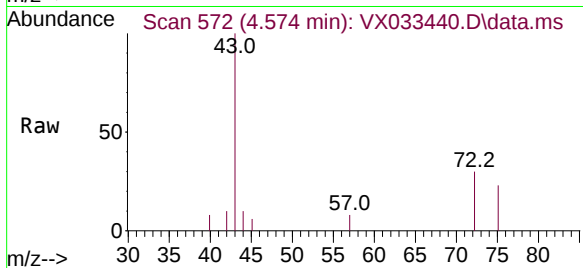
SP-591

Tgt Ion: 43 Resp: 3825

Ion Ratio Lower Upper

43 100

72 30.1 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.639 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.000 min

Lab File: VX033440.D

Acq: 15 Dec 2022 14:27

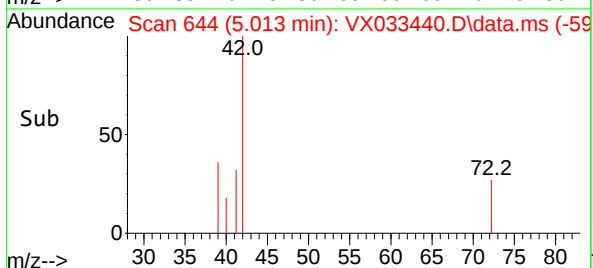
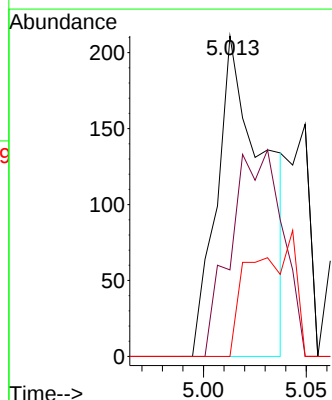
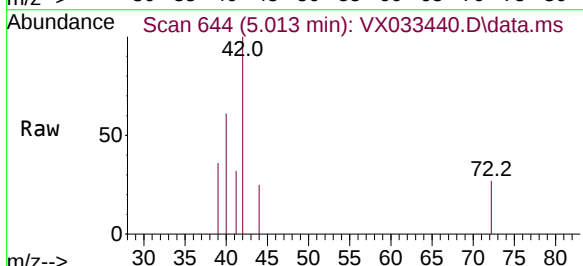
Tgt Ion: 42 Resp: 341

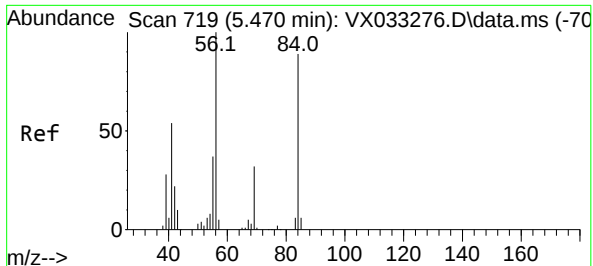
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

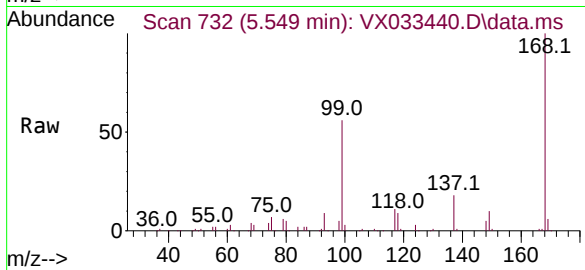
71 0.0 34.7 52.1#



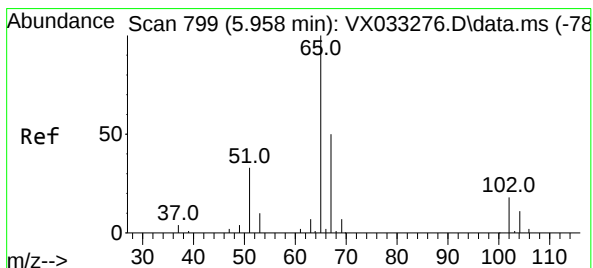
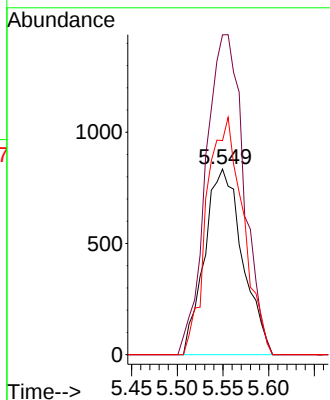
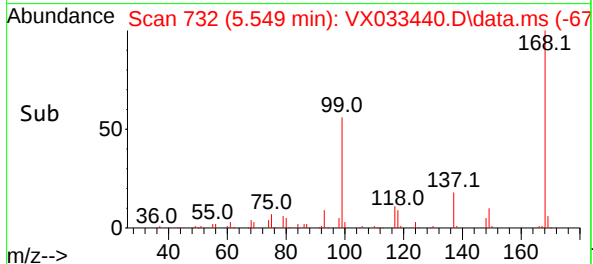


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Instrument :
MSVOA_X
ClientSampleId :
SP-591

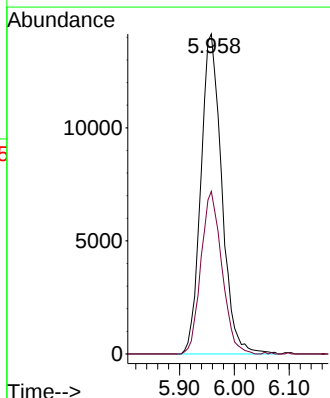
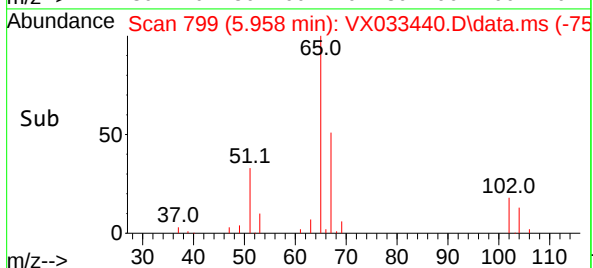
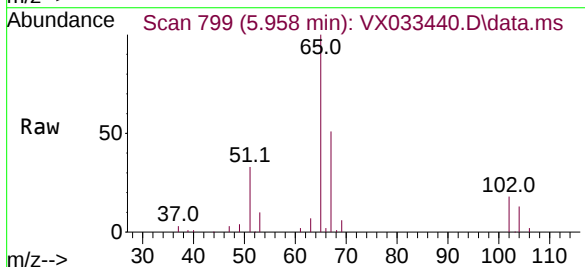


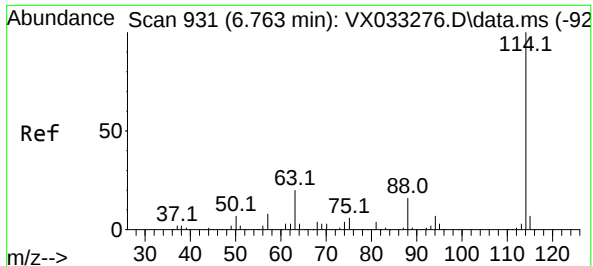
Tgt Ion: 56 Resp: 2411
Ion Ratio Lower Upper
56 100
69 172.2 24.1 36.1#
84 115.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.258 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 65 Resp: 37423
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

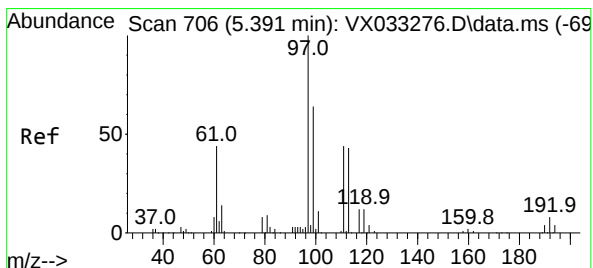
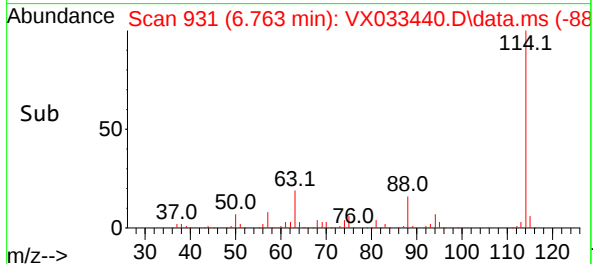
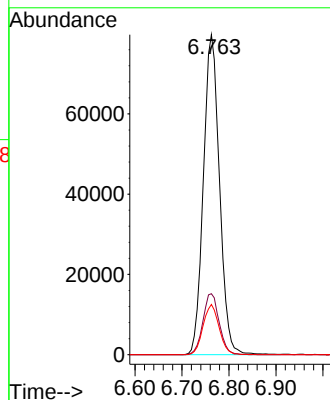
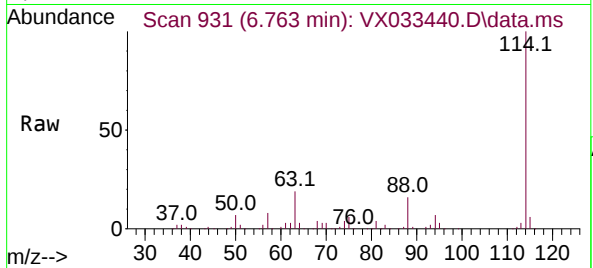




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

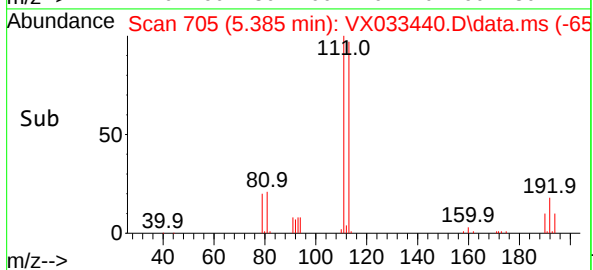
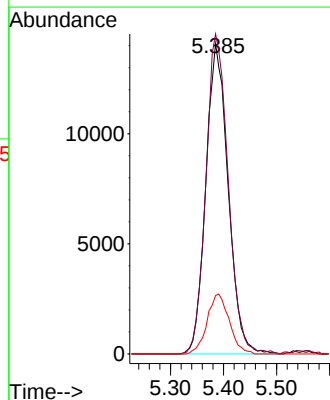
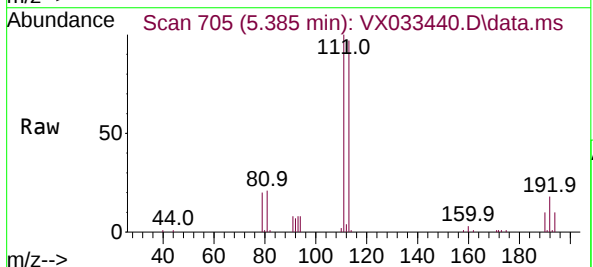
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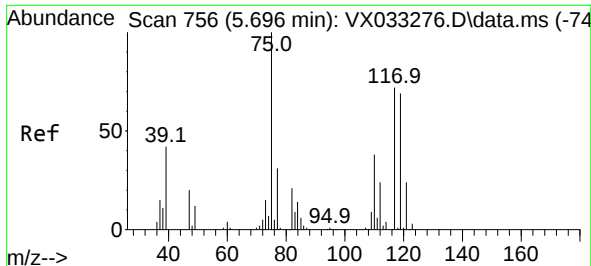
Tgt Ion:114 Resp: 189670
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.6
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.228 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion:113 Resp: 41143
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 19.2 15.4 23.2

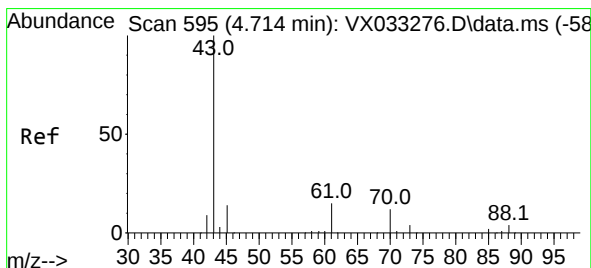
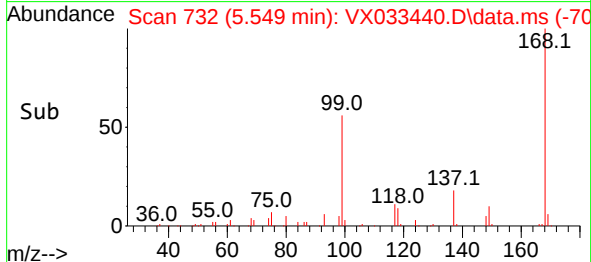
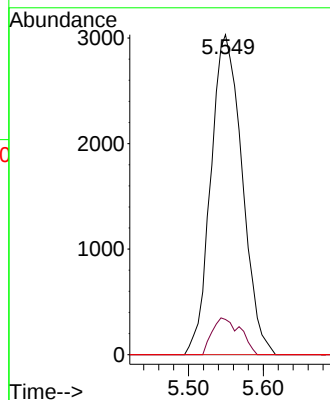
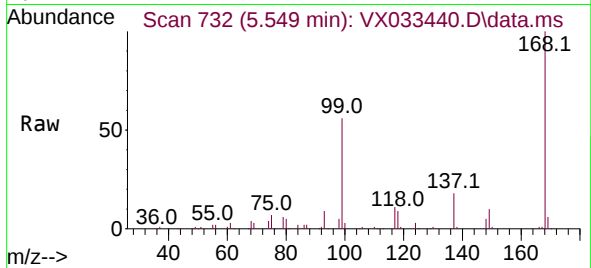




#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

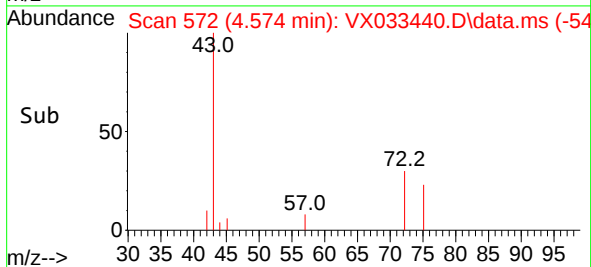
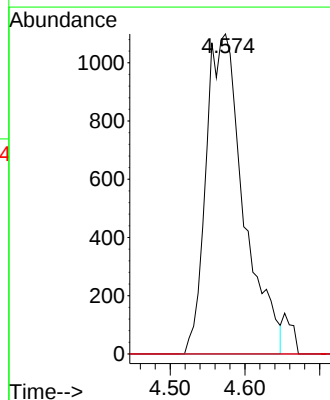
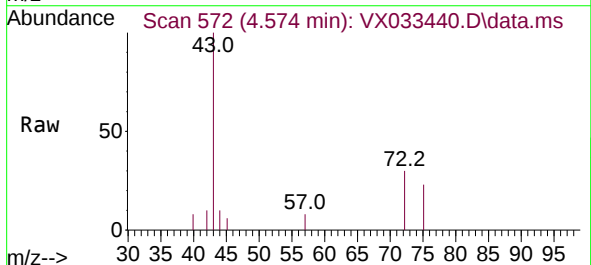
Instrument :
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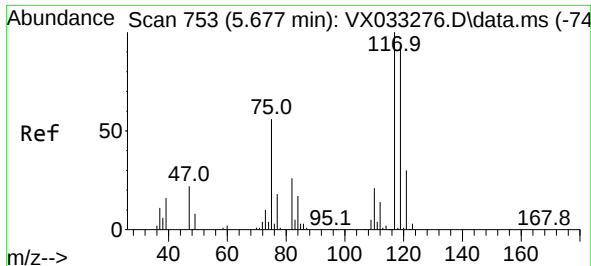
Tgt Ion: 75 Resp: 8822
Ion Ratio Lower Upper
75 100
110 10.4 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 2.433 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 43 Resp: 3825
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.1 13.7#

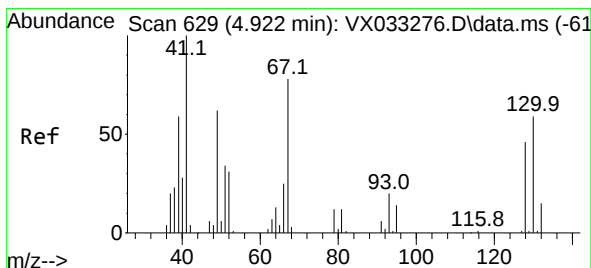
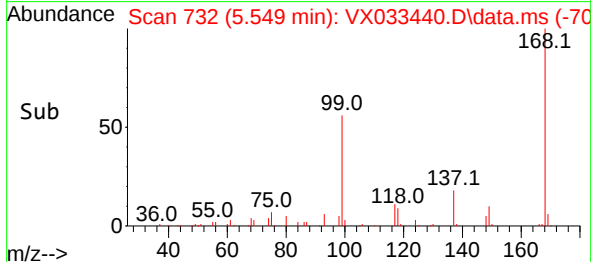
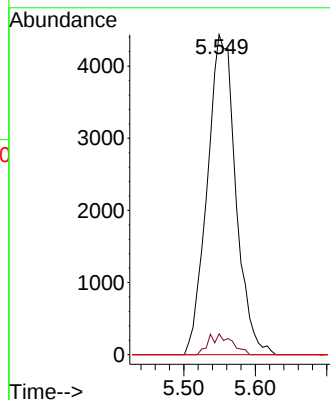
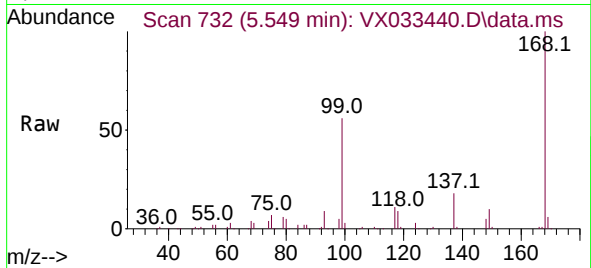




#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

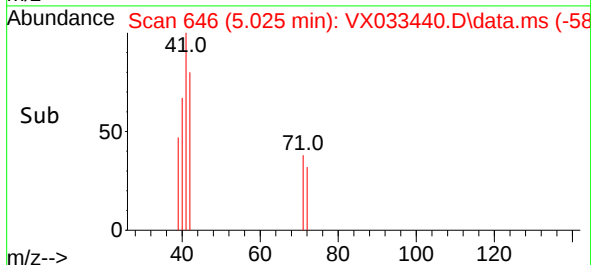
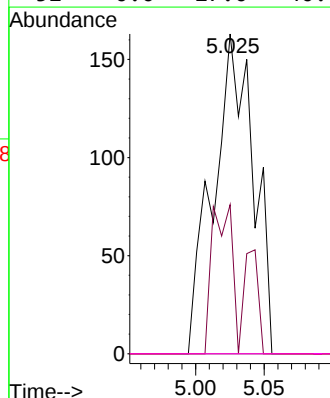
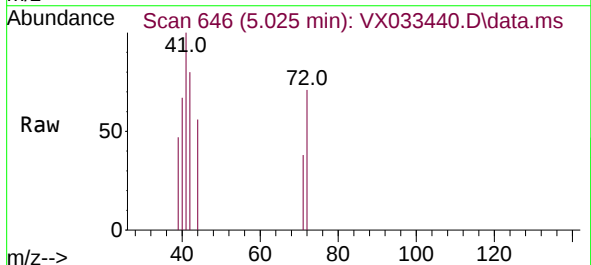
Instrument :
MSVOA_X
ClientSampleId :
SP-591

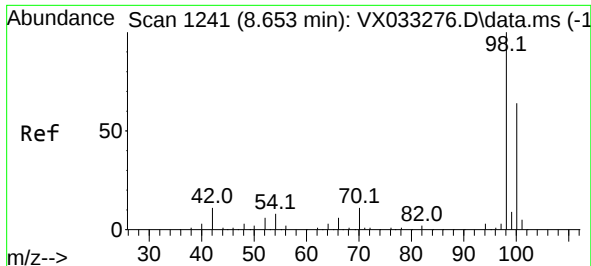
Tgt Ion:117 Resp: 12270
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.383 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 41 Resp: 332
Ion Ratio Lower Upper
41 100
39 23.2 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

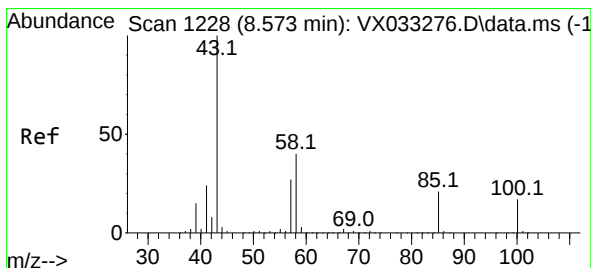
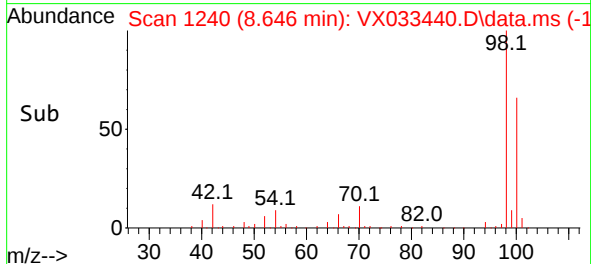
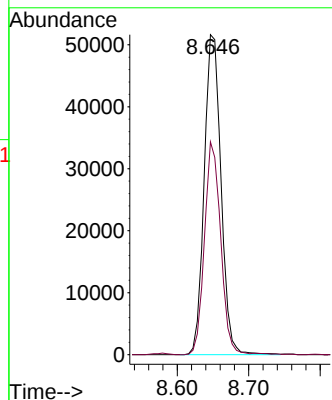
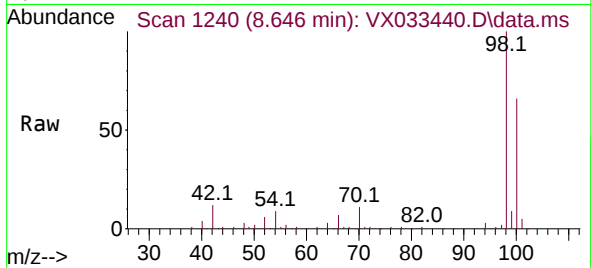




#50
Toluene-d8
Concen: 47.281 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

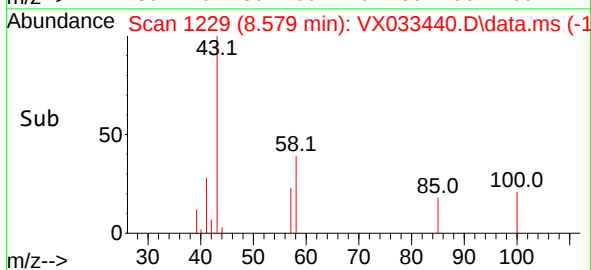
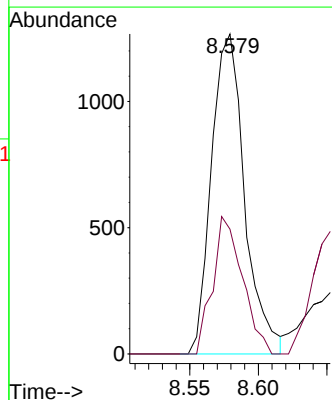
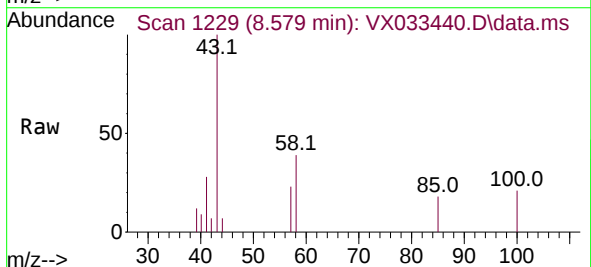
Instrument :
MSVOA_X
ClientSampleId :
SP-591

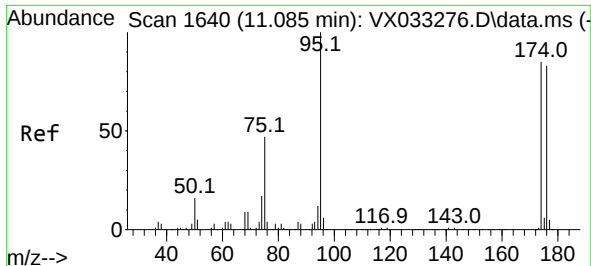
Tgt Ion: 98 Resp: 84379
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.333 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
58 38.6 30.9 46.3

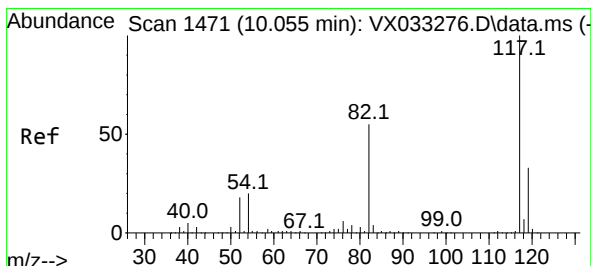
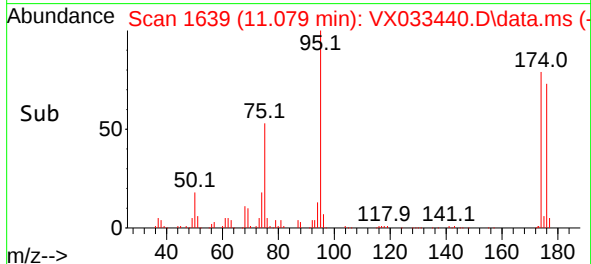
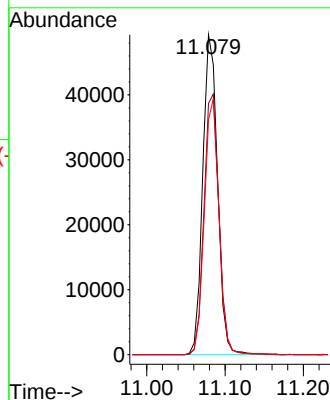
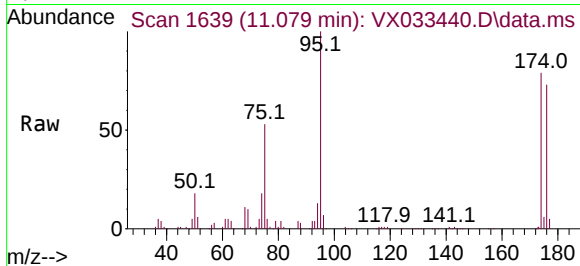




#62
4-Bromofluorobenzene
Concen: 47.315 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

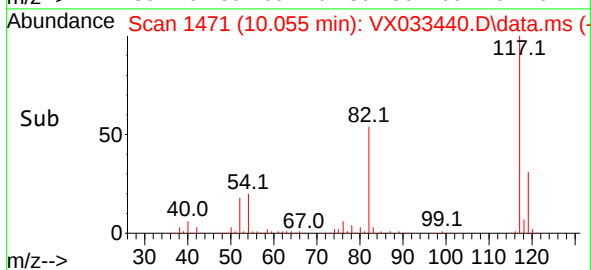
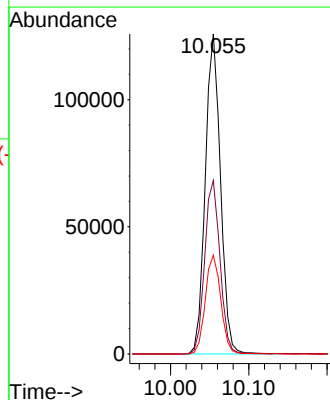
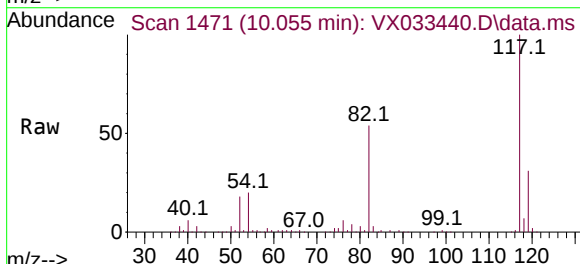
Instrument :
MSVOA_X
ClientSampleId :
SP-591

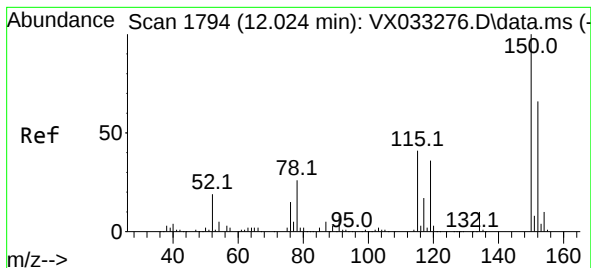
Tgt Ion: 95 Resp: 64564
Ion Ratio Lower Upper
95 100
174 83.0 0.0 164.0
176 79.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033440.D
Acq: 15 Dec 2022 14:27

Tgt Ion: 117 Resp: 169184
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 30.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033440.D

Acq: 15 Dec 2022 14:27

Instrument :

MSVOA_X

ClientSampleId :

SP-591

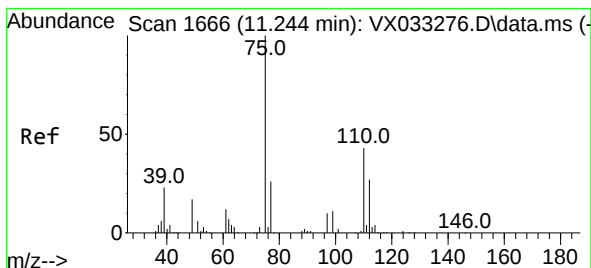
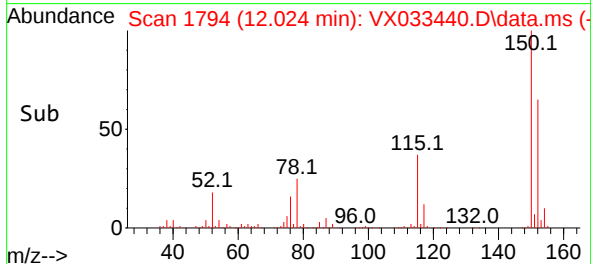
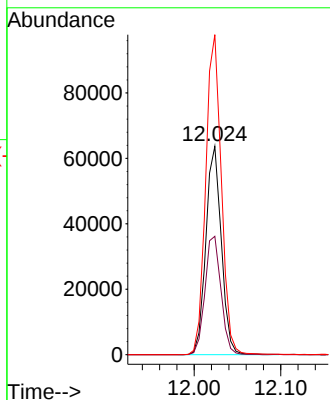
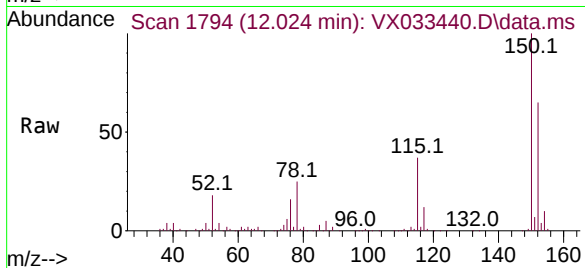
Tgt Ion:152 Resp: 78947

Ion Ratio Lower Upper

152 100

115 58.9 44.0 132.0

150 155.4 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 21.010 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033440.D

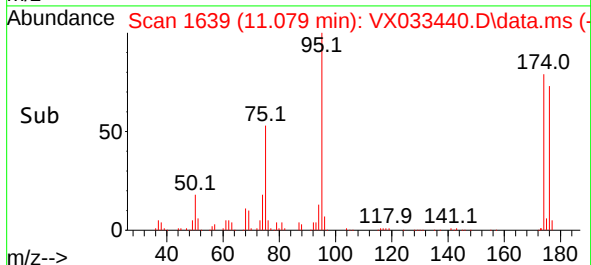
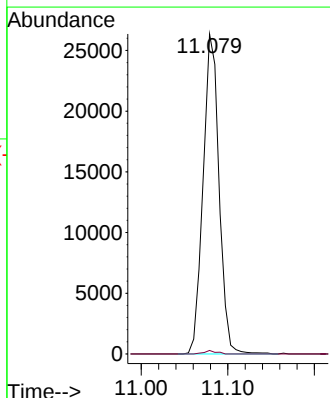
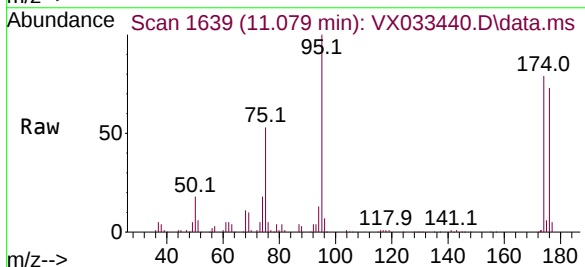
Acq: 15 Dec 2022 14:27

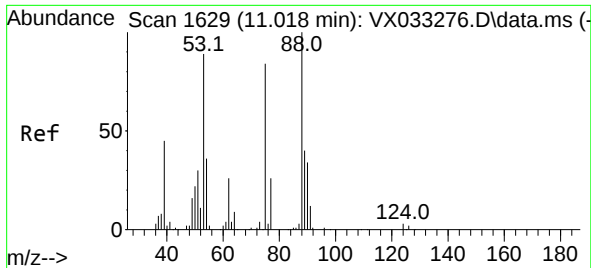
Tgt Ion: 75 Resp: 33746

Ion Ratio Lower Upper

75 100

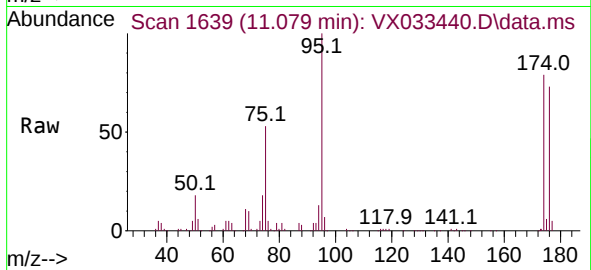
77 0.8 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.355 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033440.D
 Acq: 15 Dec 2022 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-591



Tgt Ion: 75 Resp: 33746
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

