

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033511.D
 Acq On : 20 Dec 2022 16:26
 Operator : JC/MD
 Sample : N6149-09 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PARS-1

Quant Time: Dec 21 04:15:39 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

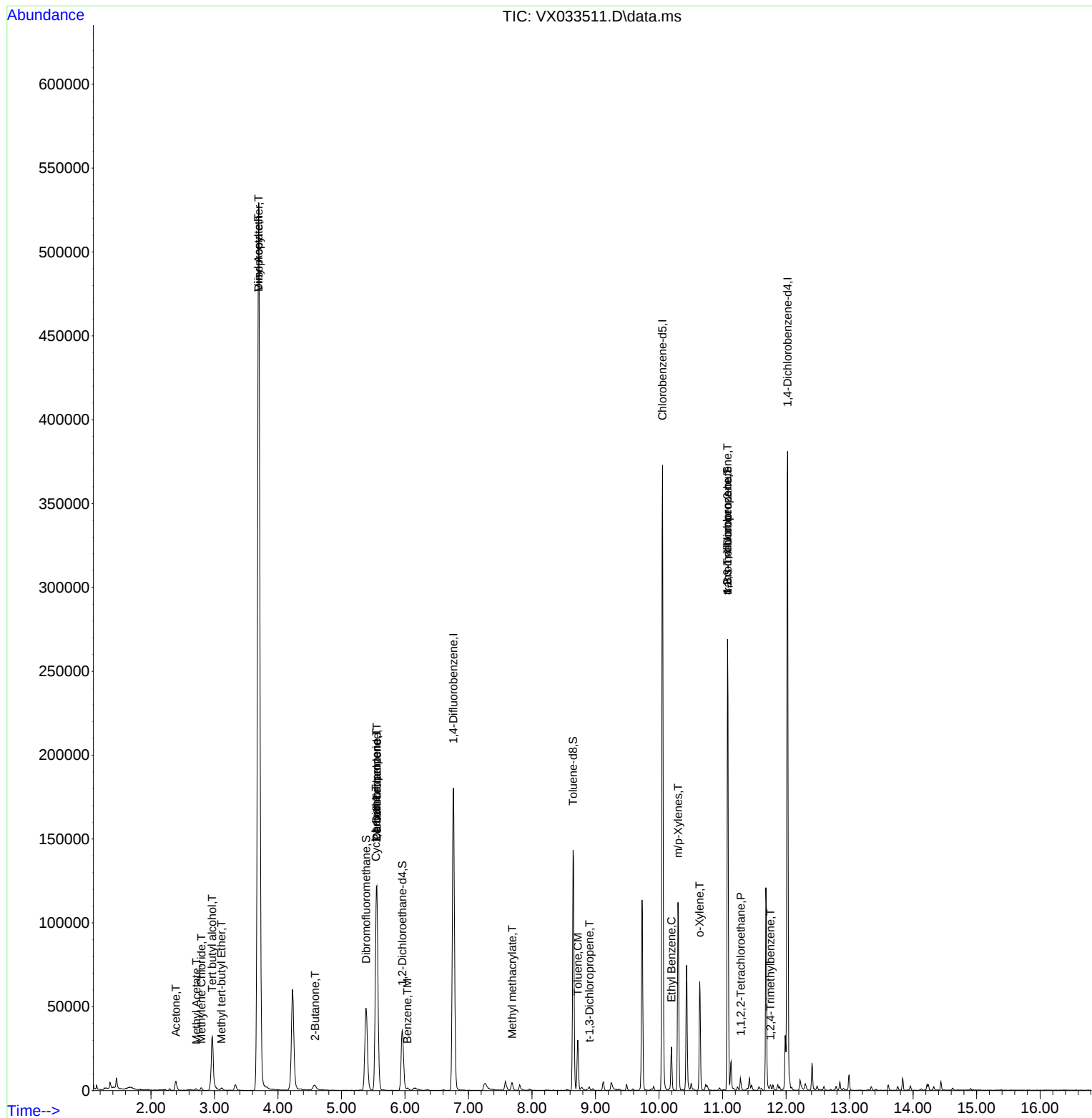
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	120616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36892	47.677	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.360%
35) Dibromofluoromethane	5.385	113	43903	50.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.520%
50) Toluene-d8	8.647	98	88106	48.215	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.420%
62) 4-Bromofluorobenzene	11.079	95	69758	49.926	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	7775	32.865	ug/l	99
16) Acetone	2.392	43	6916	12.079	ug/l	98
18) Methyl Acetate	2.715	43	1287	0.776	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	1445	0.381	ug/l	99
20) Methylene Chloride	2.794	84	914	0.716	ug/l	86
22) Diisopropyl ether	3.697	45	16666	4.455	ug/l #	1
23) Vinyl Acetate	3.690	43	1322	0.455	ug/l #	72
25) 2-Butanone	4.587	43	1312	1.596	ug/l	98
31) Cyclohexane	5.544	56	2336	1.270	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	8705	5.111	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12359	6.477	ug/l #	16
40) Benzene	6.038	78	1653	0.333	ug/l #	87
48) Methyl methacrylate	7.690	41	2314	1.731	ug/l #	33
52) Toluene	8.720	92	11981	3.732	ug/l	95
53) t-1,3-Dichloropropene	8.903	75	680	2.824	ug/l #	43
67) Ethyl Benzene	10.195	91	14979	2.426	ug/l	98
68) m/p-Xylenes	10.299	106	26652	11.094	ug/l	97
69) o-Xylene	10.640	106	14588	6.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.287	83	399	0.209	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35479	21.016	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35479	65.375	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1698	0.340	ug/l	90

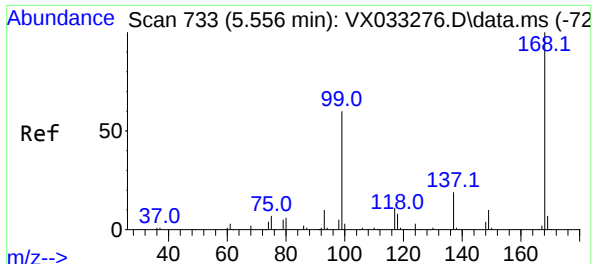
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PARS-1

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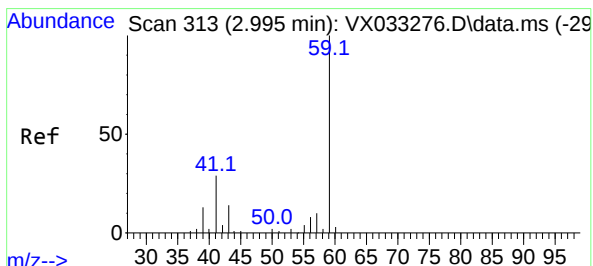
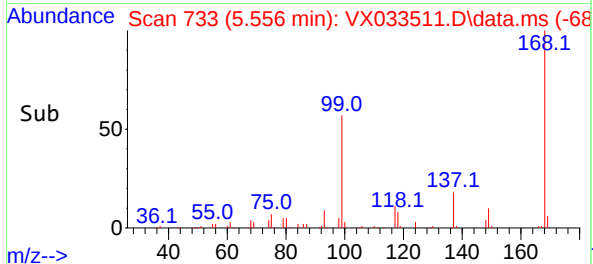
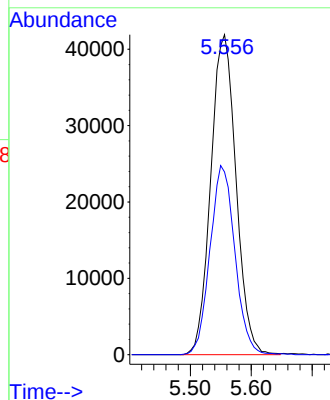
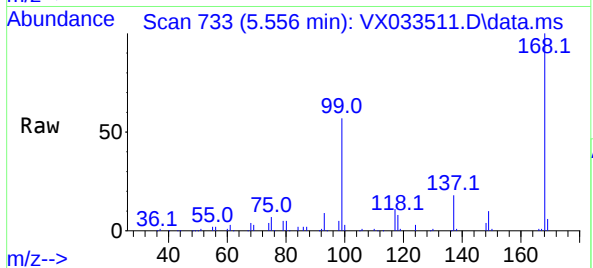




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

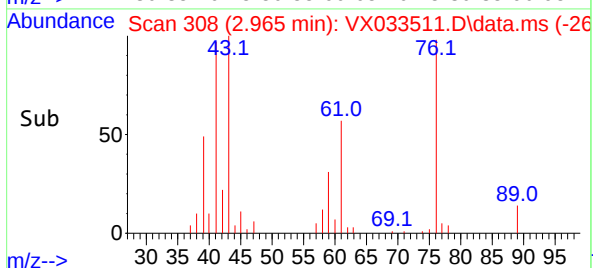
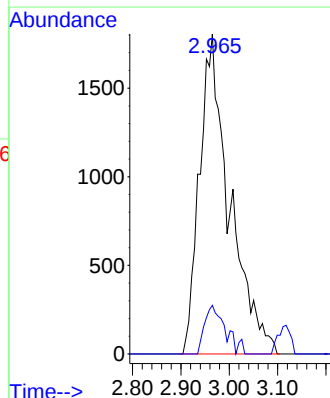
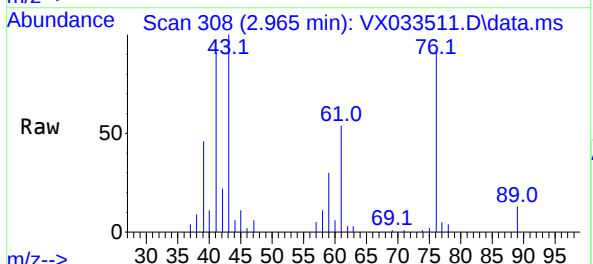
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

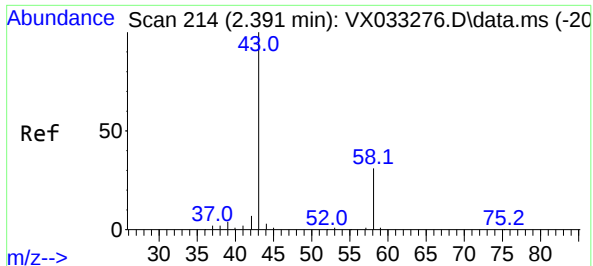
Tgt Ion:168 Resp: 120616
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 32.865 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 59 Resp: 7775
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

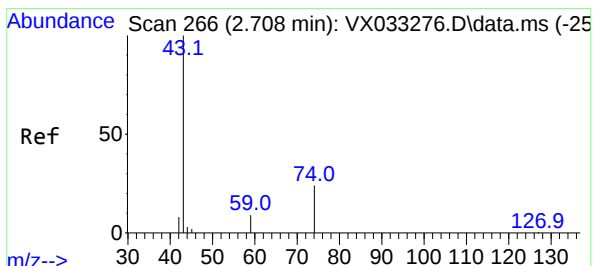
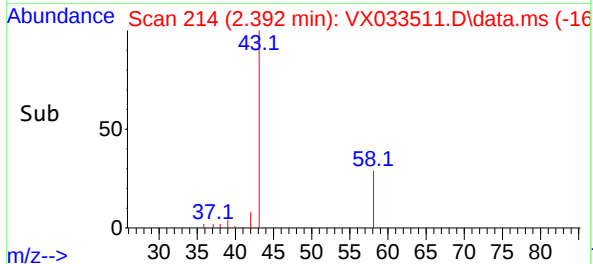
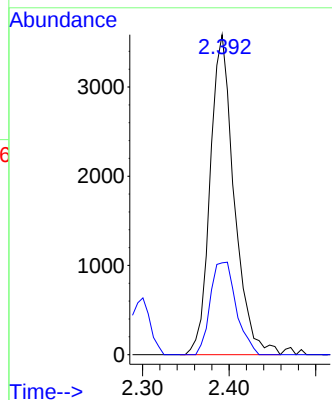
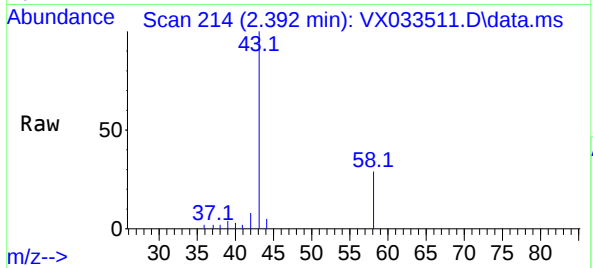




#16
Acetone
Concen: 12.079 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

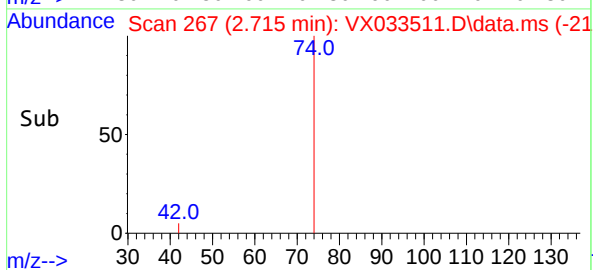
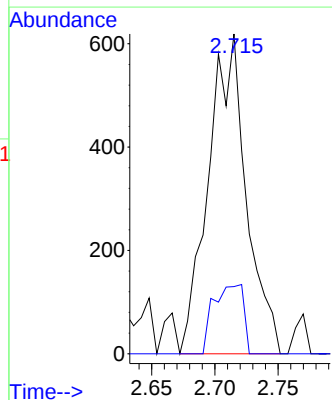
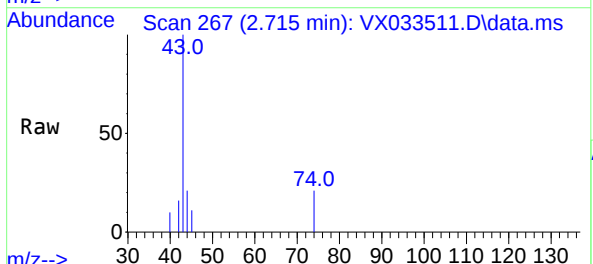
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

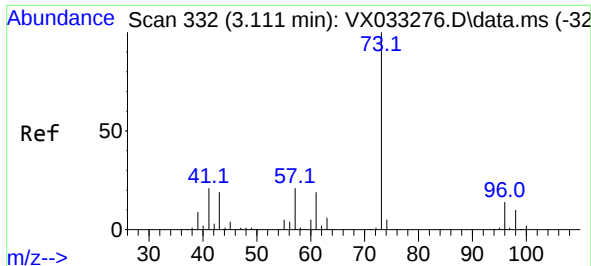
Tgt Ion: 43 Resp: 6916
Ion Ratio Lower Upper
43 100
58 28.7 23.8 35.8



#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.007 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
74 17.0 19.4 29.0#

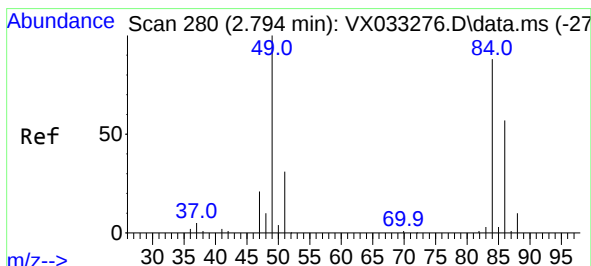
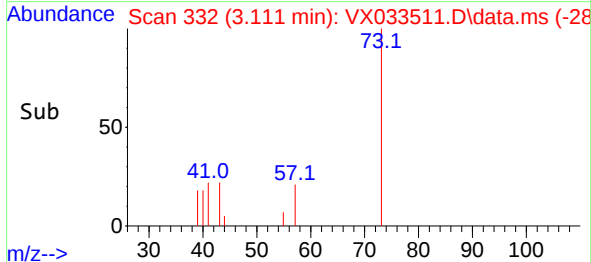
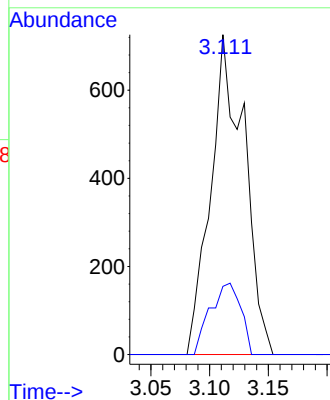
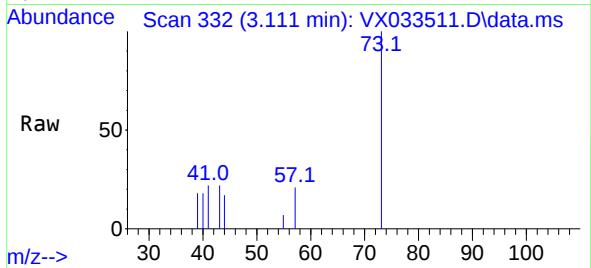




#19
Methyl tert-butyl Ether
Concen: 0.381 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

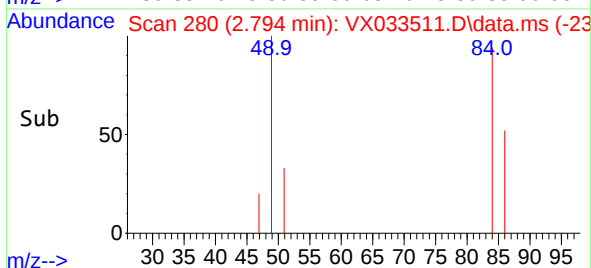
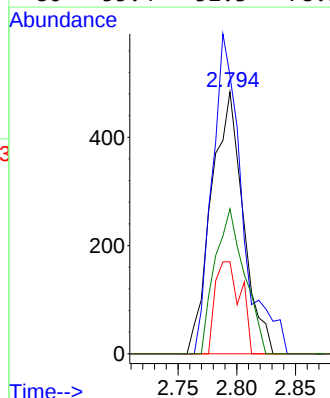
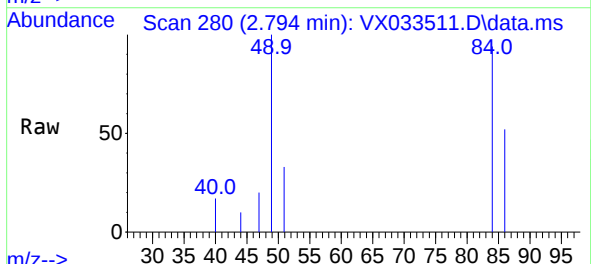
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

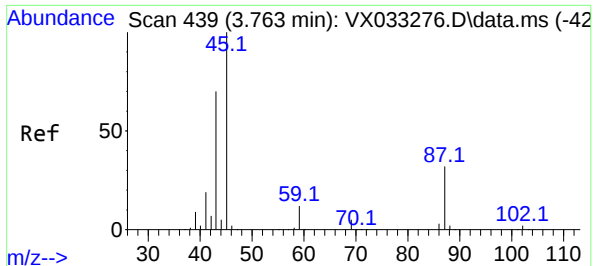
Tgt Ion: 73 Resp: 1445
Ion Ratio Lower Upper
73 100
57 21.3 16.6 25.0



#20
Methylene Chloride
Concen: 0.716 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 84 Resp: 914
Ion Ratio Lower Upper
84 100
49 106.2 101.0 151.6
51 35.1 31.1 46.7
86 55.4 52.3 78.5

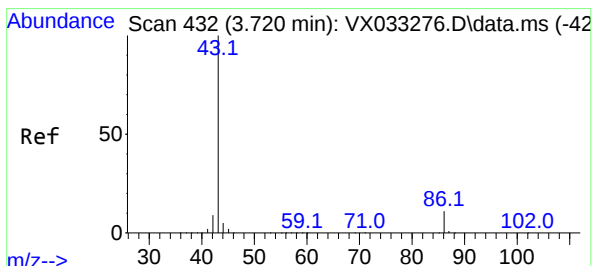
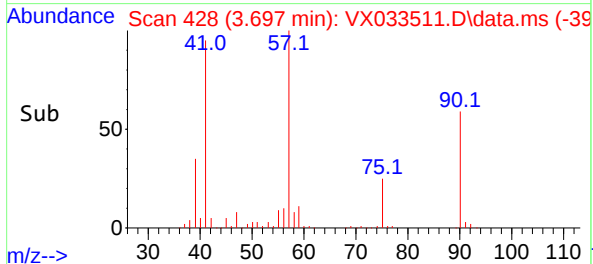
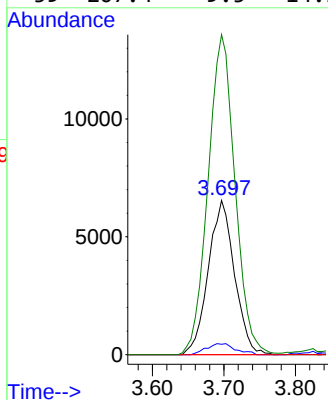
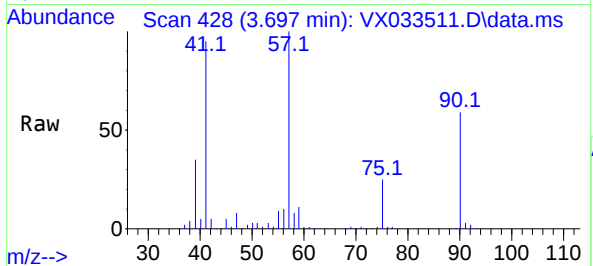




#22
Diisopropyl ether
Concen: 4.455 ug/l
RT: 3.697 min Scan# 41
Delta R.T. -0.067 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

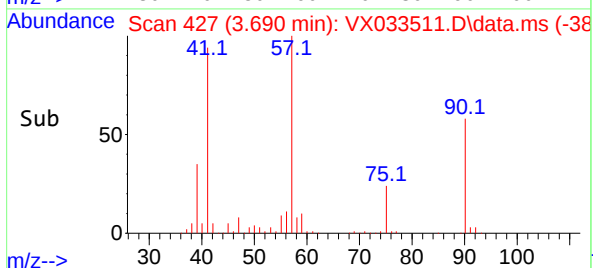
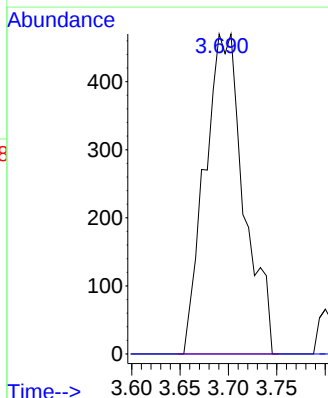
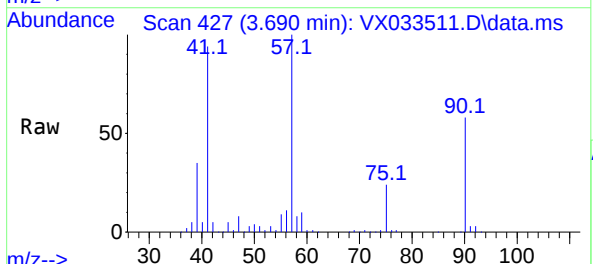
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

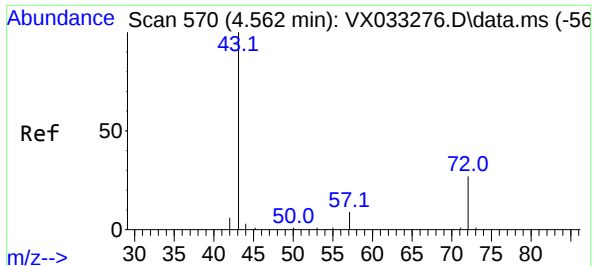
Tgt Ion:	45	Resp:	16666
Ion	Ratio	Lower	Upper
45	100		
43	6.7	56.4	84.6#
87	0.0	24.4	36.6#
59	207.4	9.5	14.3#



#23
Vinyl Acetate
Concen: 0.455 ug/l
RT: 3.690 min Scan# 427
Delta R.T. -0.030 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion:	43	Resp:	1322
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 1.596 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

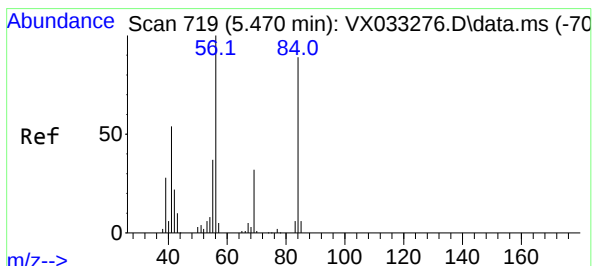
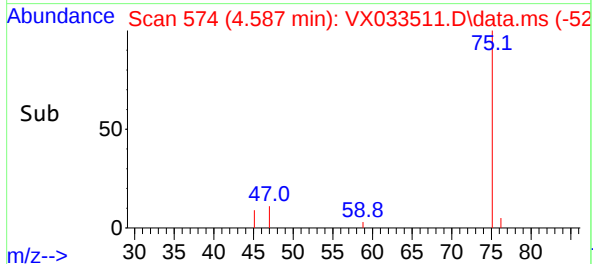
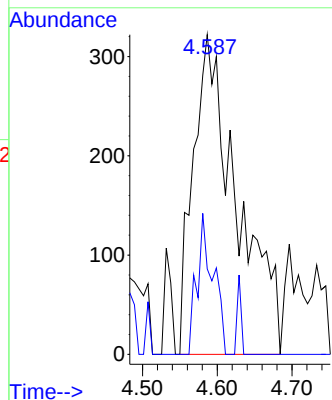
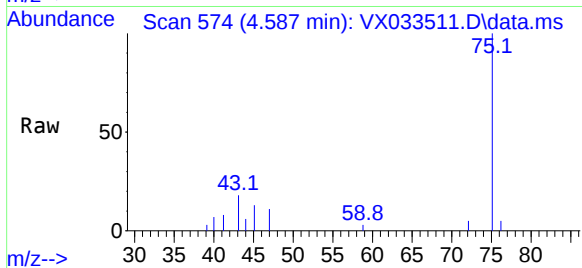
PARS-1

Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

72 26.7 22.2 33.2



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

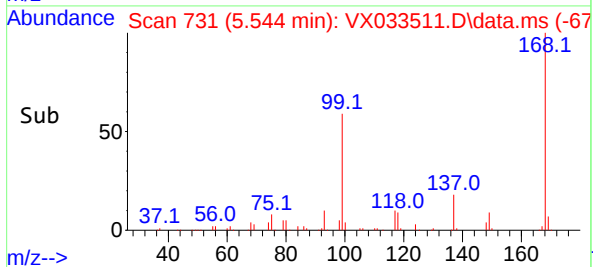
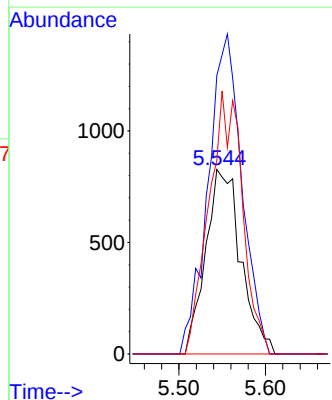
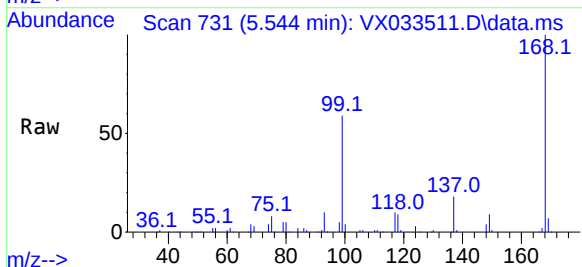
Tgt Ion: 56 Resp: 2336

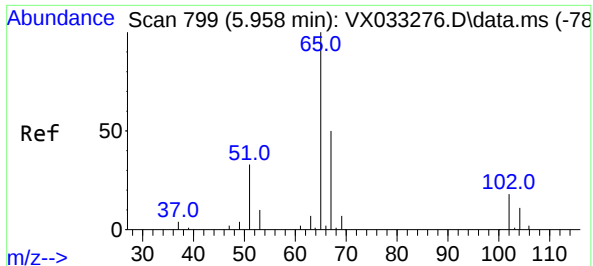
Ion Ratio Lower Upper

56 100

69 151.0 24.1 36.1#

84 105.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.677 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

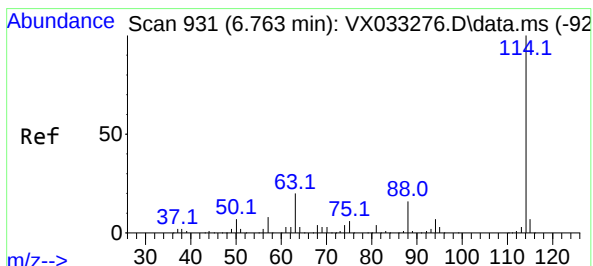
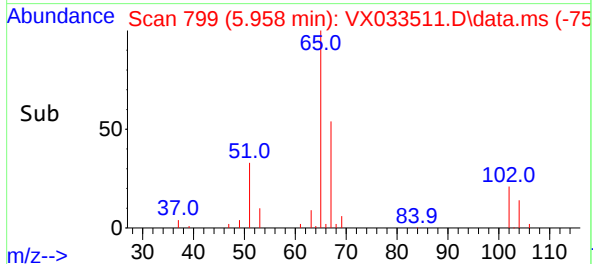
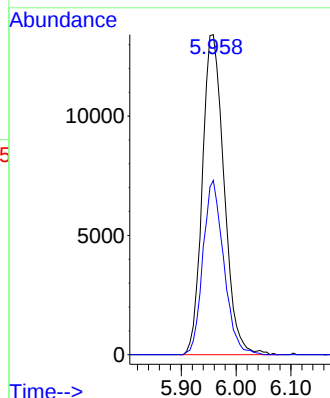
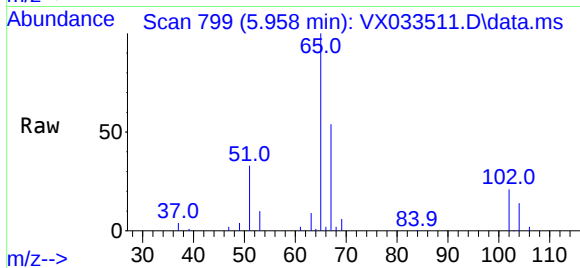
PARS-1

Tgt Ion: 65 Resp: 36892

Ion Ratio Lower Upper

65 100

67 52.3 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: VX033511.D

Acq: 20 Dec 2022 16:26

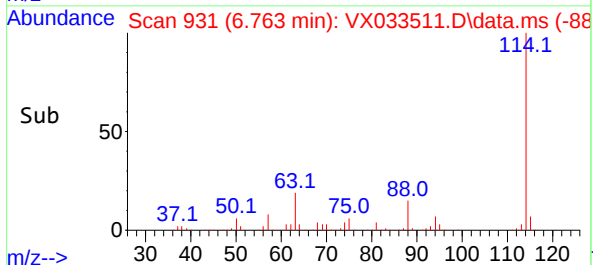
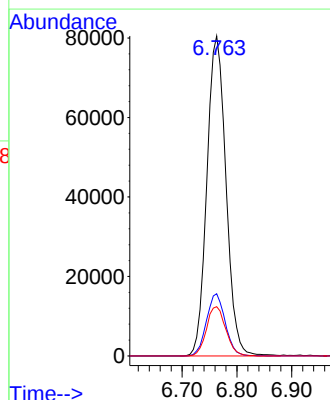
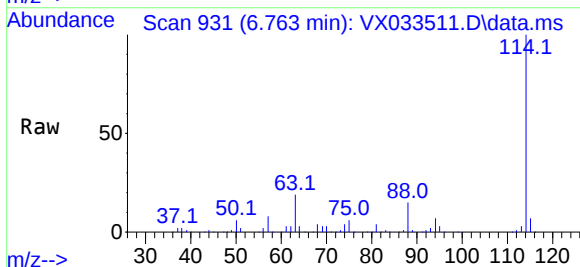
Tgt Ion: 114 Resp: 194212

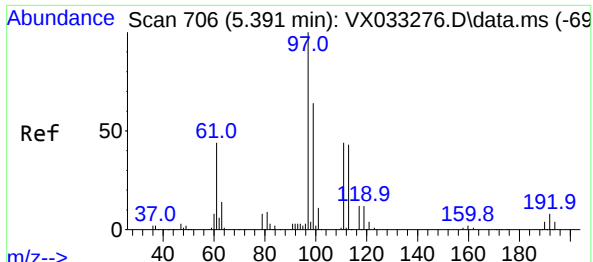
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.259 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

PARS-1

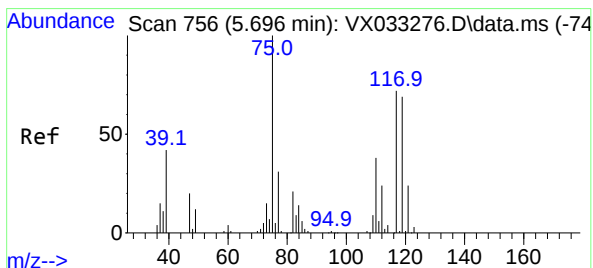
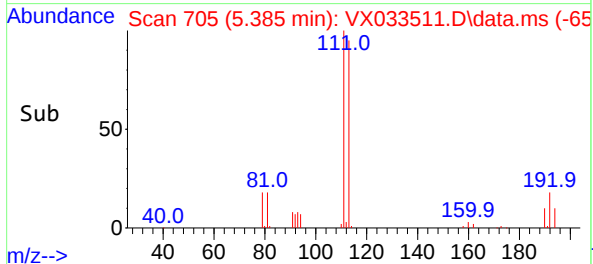
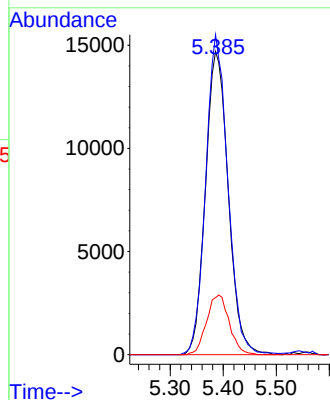
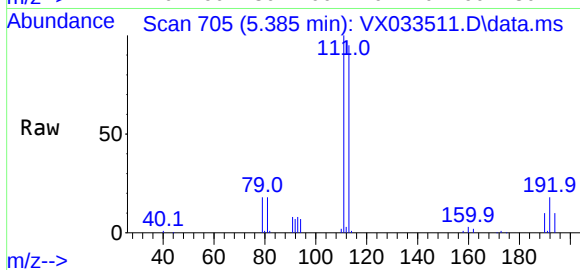
Tgt Ion:113 Resp: 43903

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 19.6 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

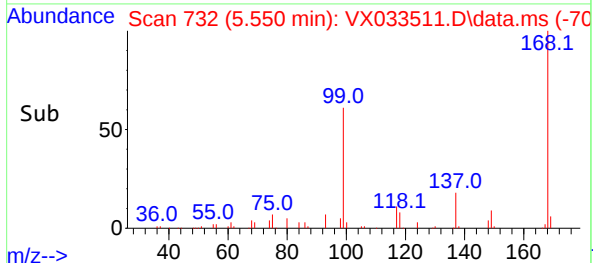
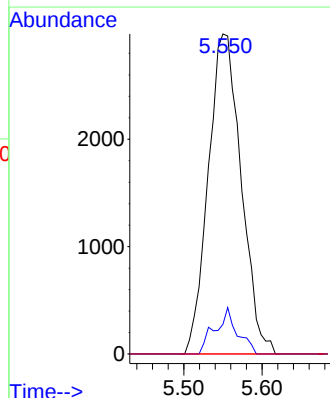
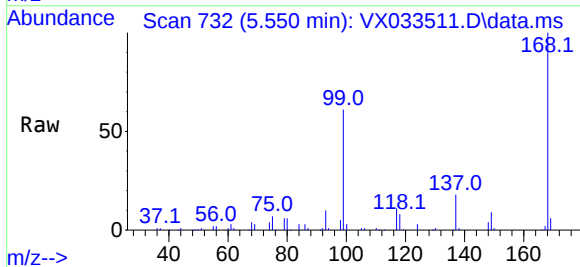
Tgt Ion: 75 Resp: 8705

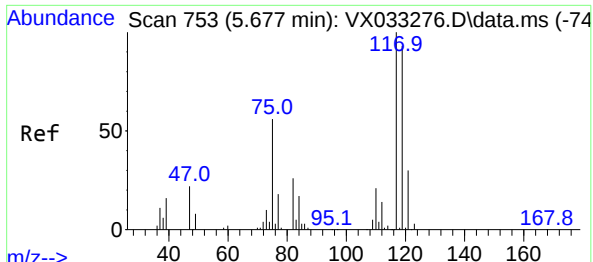
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

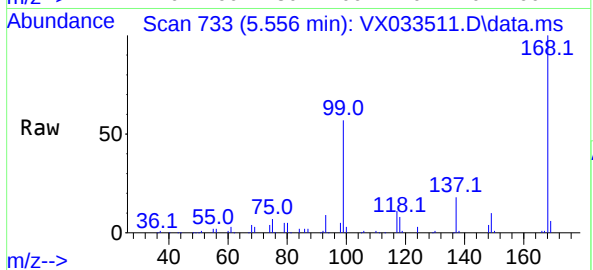
77 0.0 24.5 36.7#



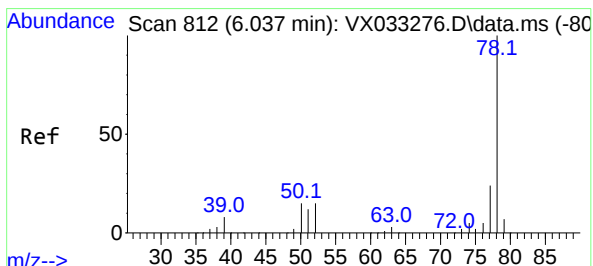
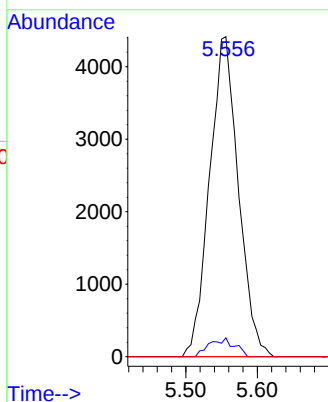
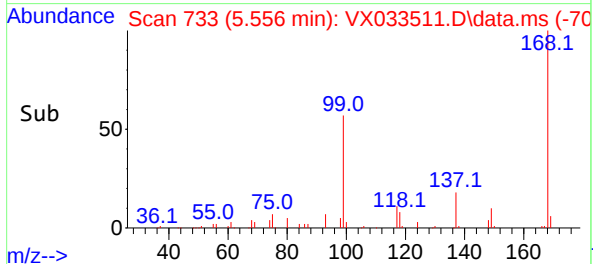


#38
Carbon Tetrachloride
Concen: 6.477 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
PARS-1

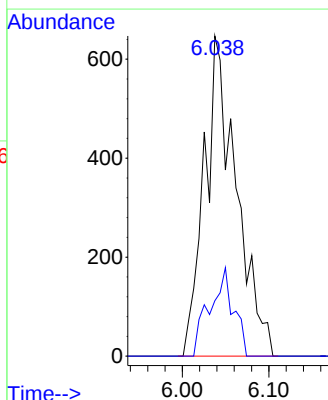
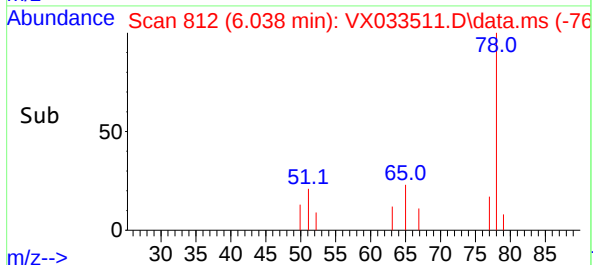
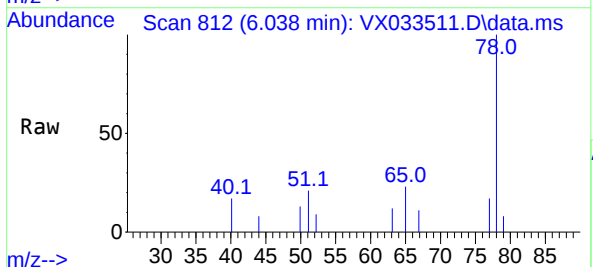


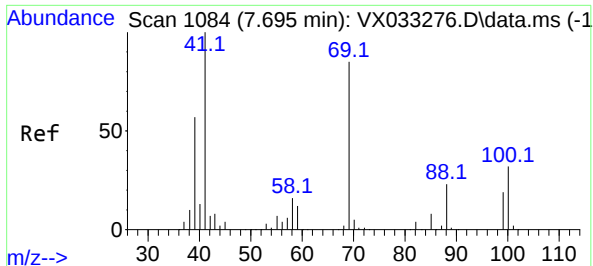
Tgt Ion:117 Resp: 12359
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.333 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 78 Resp: 1653
Ion Ratio Lower Upper
78 100
77 17.3 19.0 28.4#

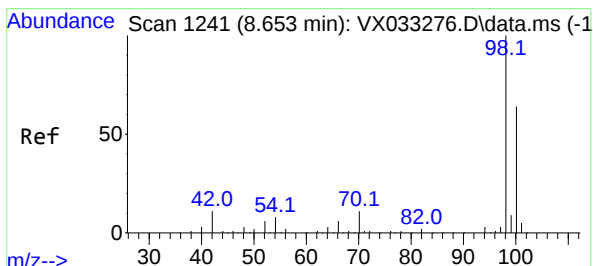
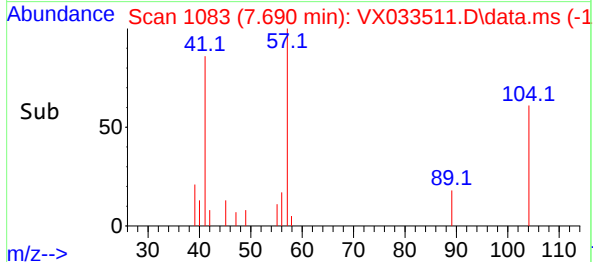
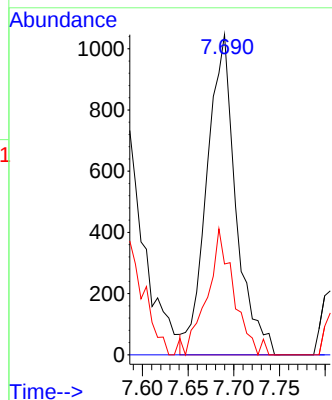
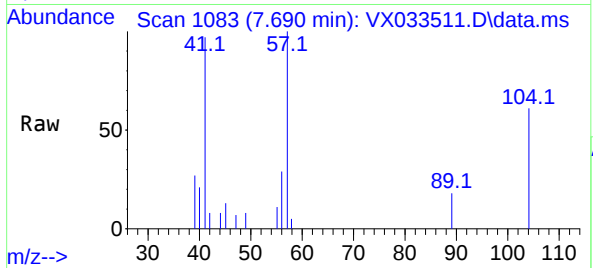




#48
Methyl methacrylate
Concen: 1.731 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

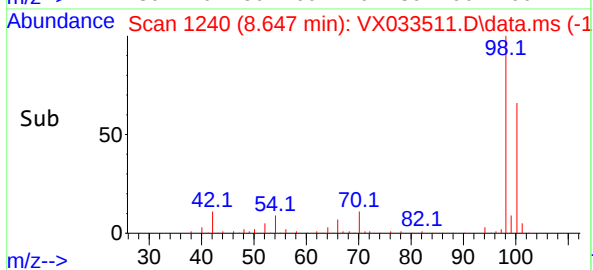
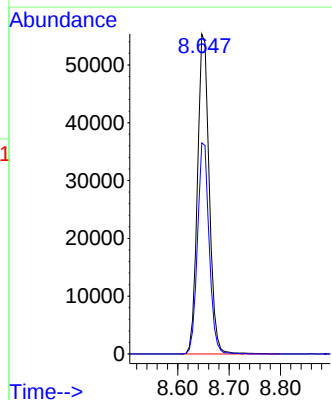
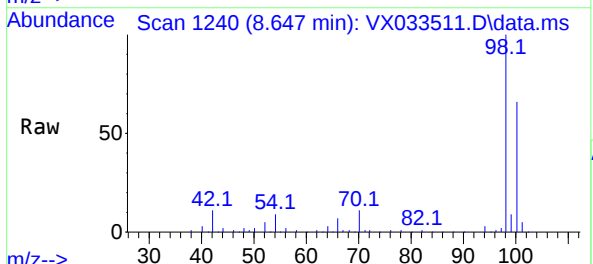
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

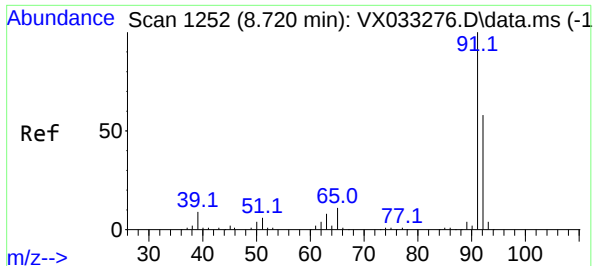
Tgt Ion: 41 Resp: 2314
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 36.5 51.9 77.9#



#50
Toluene-d8
Concen: 48.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 98 Resp: 88106
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3





#52

Toluene

Concen: 3.732 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

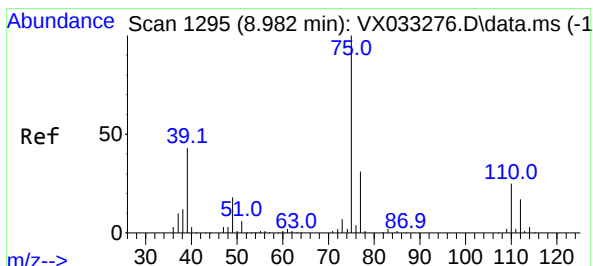
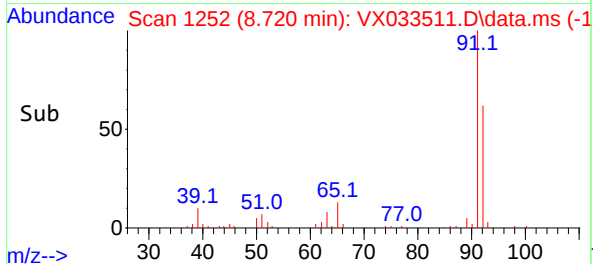
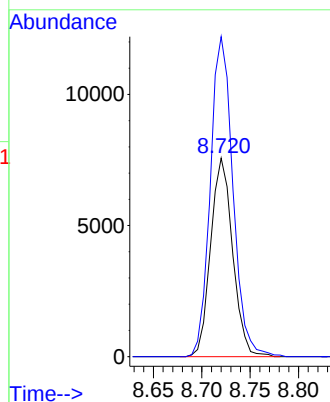
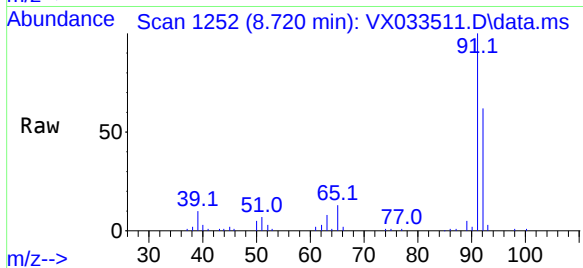
PARS-1

Tgt Ion: 92 Resp: 11981

Ion Ratio Lower Upper

92 100

91 165.8 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 2.824 ug/l

RT: 8.903 min Scan# 1282

Delta R.T. -0.079 min

Lab File: VX033511.D

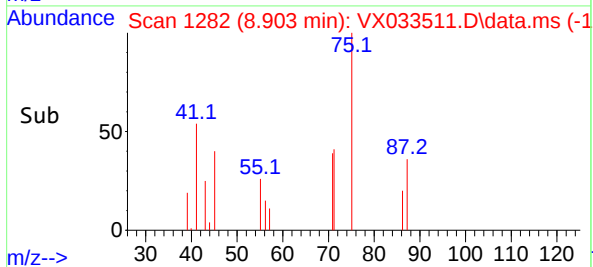
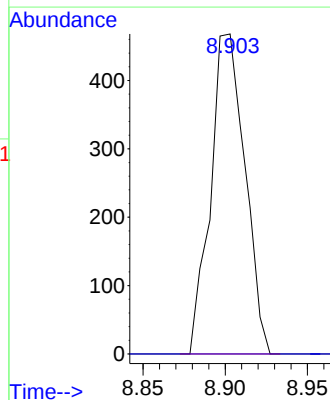
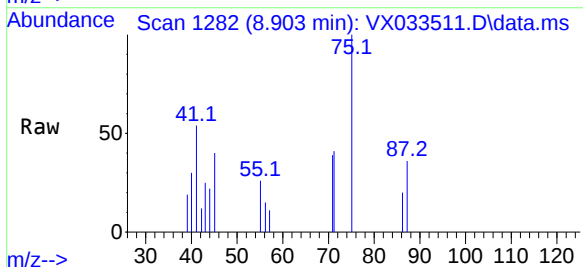
Acq: 20 Dec 2022 16:26

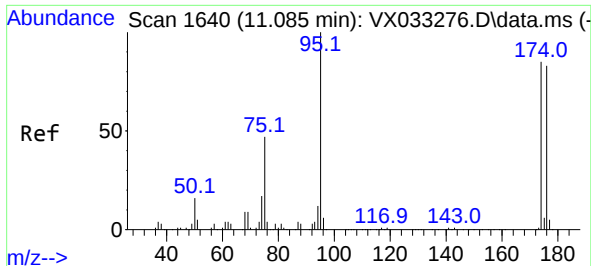
Tgt Ion: 75 Resp: 680

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

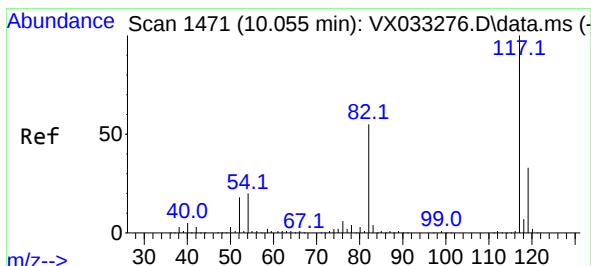
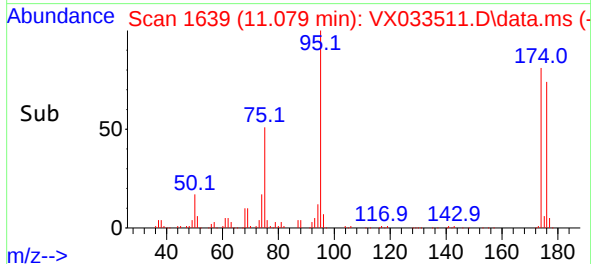
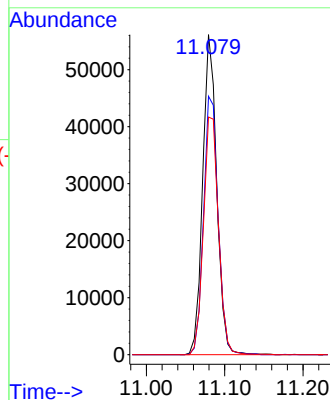
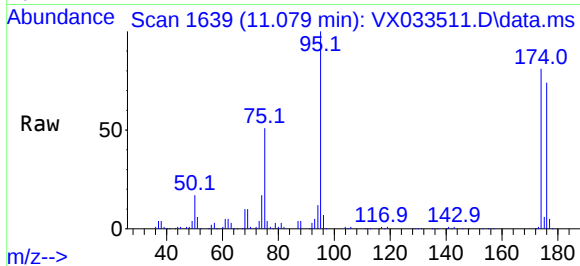




#62
4-Bromofluorobenzene
Concen: 49.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

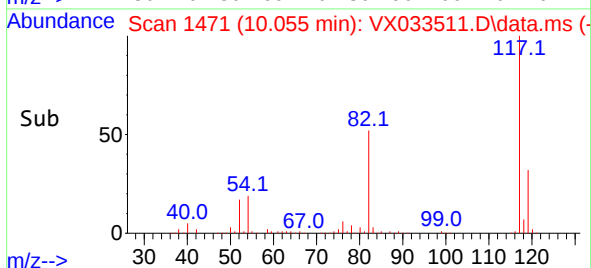
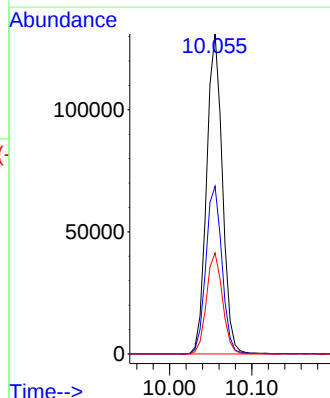
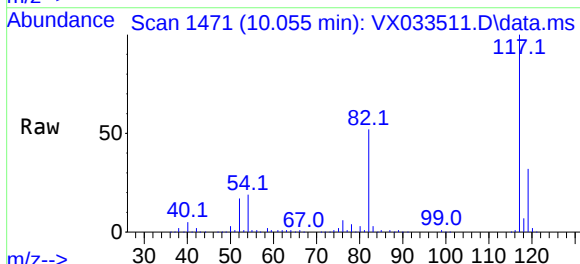
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

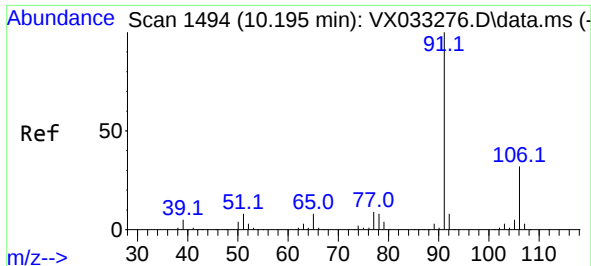
Tgt Ion: 95 Resp: 69758
Ion Ratio Lower Upper
95 100
174 83.9 0.0 164.0
176 79.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 117 Resp: 175026
Ion Ratio Lower Upper
117 100
82 52.4 44.3 66.5
119 31.6 25.7 38.5





#67

Ethyl Benzene

Concen: 2.426 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033511.D

Acq: 20 Dec 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

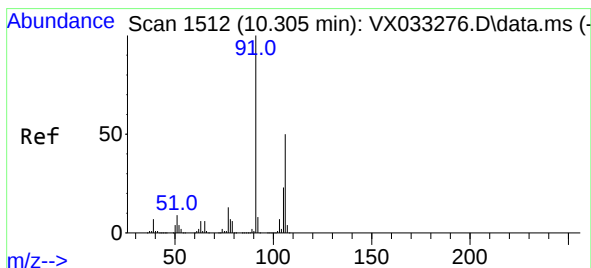
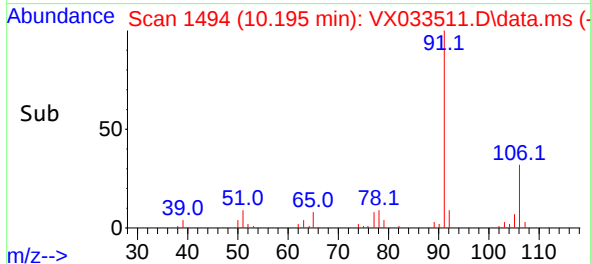
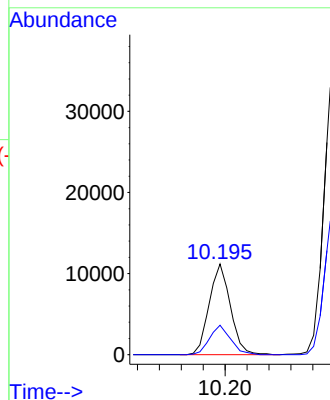
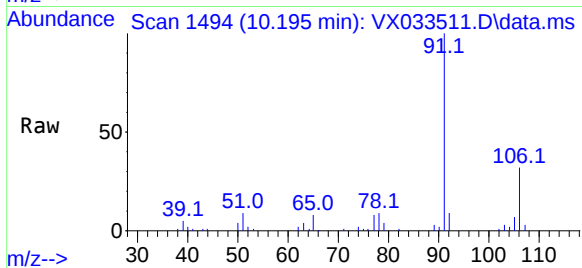
PARS-1

Tgt Ion: 91 Resp: 14979

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.6



#68

m/p-Xylenes

Concen: 11.094 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX033511.D

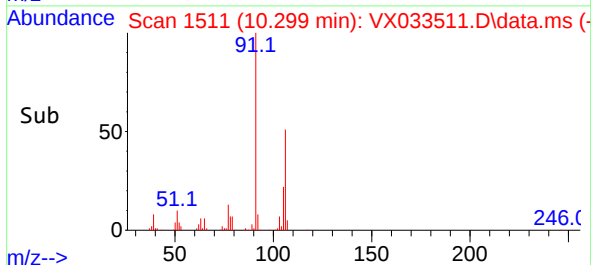
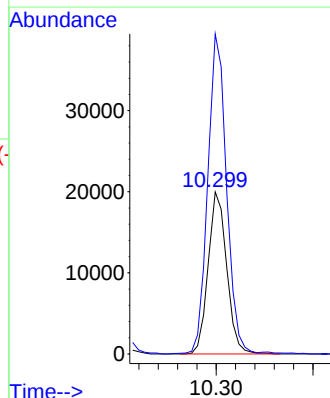
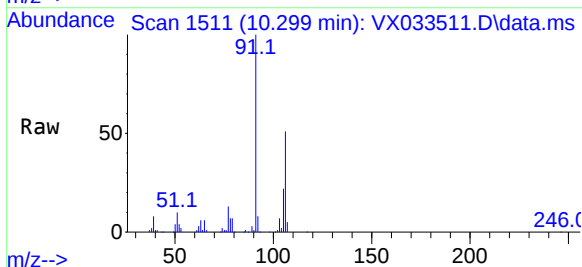
Acq: 20 Dec 2022 16:26

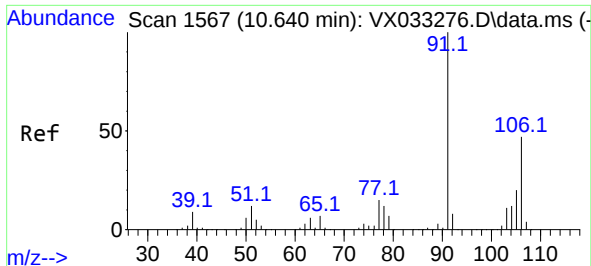
Tgt Ion: 106 Resp: 26652

Ion Ratio Lower Upper

106 100

91 200.9 164.5 246.7

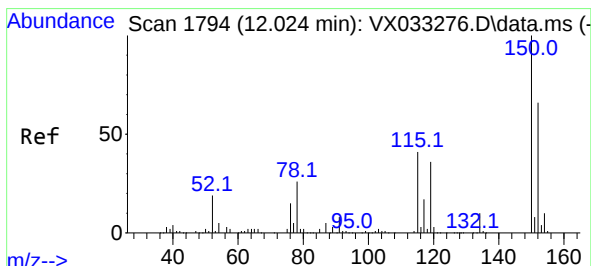
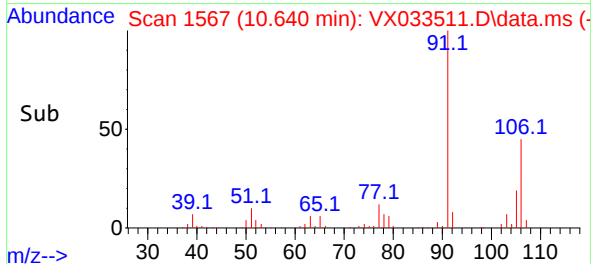
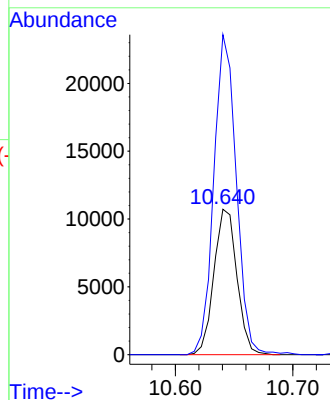
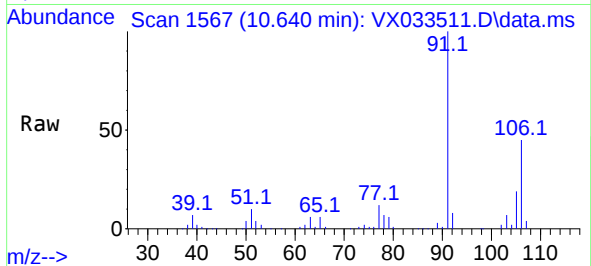




#69
o-Xylene
Concen: 6.143 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

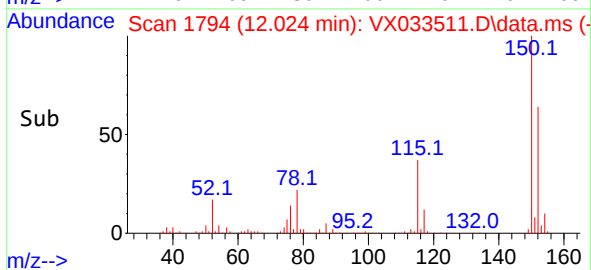
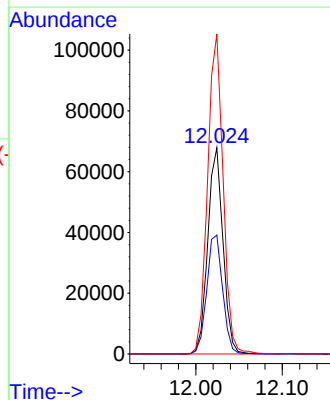
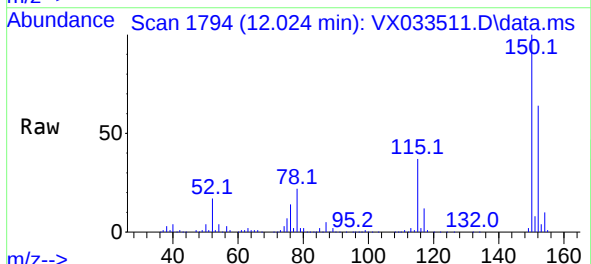
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

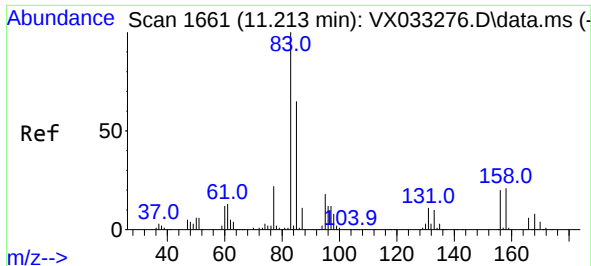
Tgt Ion:106 Resp: 14588
Ion Ratio Lower Upper
106 100
91 215.5 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion:152 Resp: 82976
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 157.9 0.0 351.8

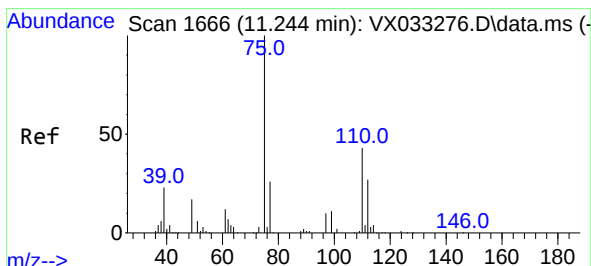
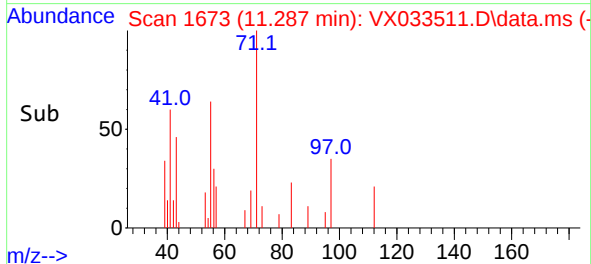
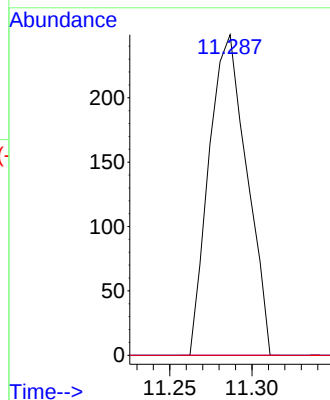
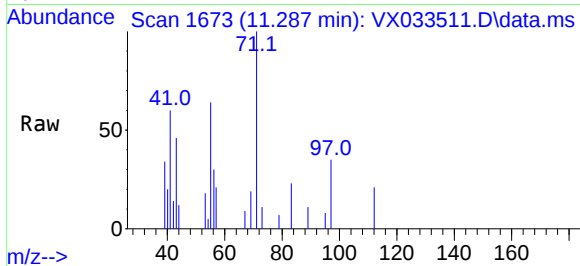




#75
1,1,2,2-Tetrachloroethane
Concen: 0.209 ug/l
RT: 11.287 min Scan# 1
Delta R.T. 0.074 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

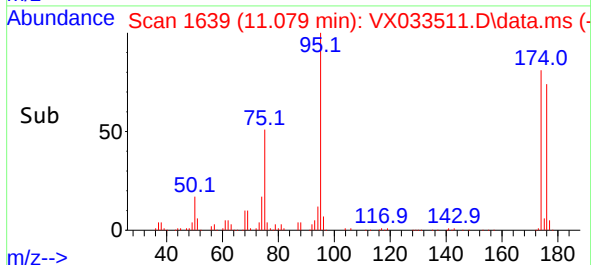
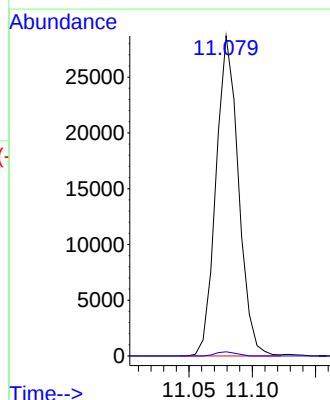
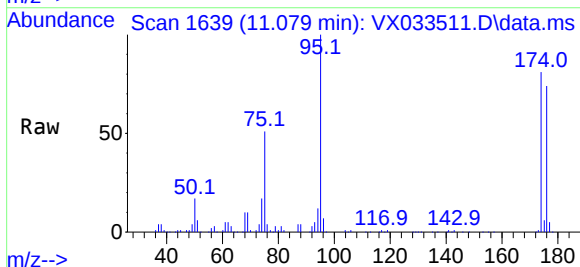
Instrument :
MSVOA_X
ClientSampleId :
PARS-1

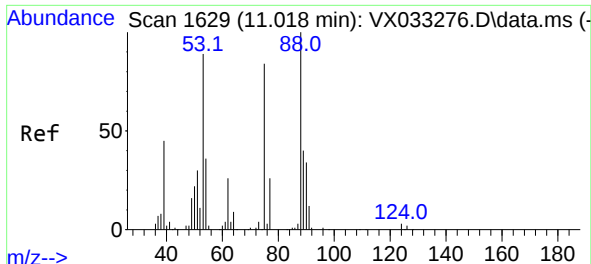
Tgt Ion: 83 Resp: 399
Ion Ratio Lower Upper
83 100
131 0.0 5.4 16.2#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 21.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 75 Resp: 35479
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#

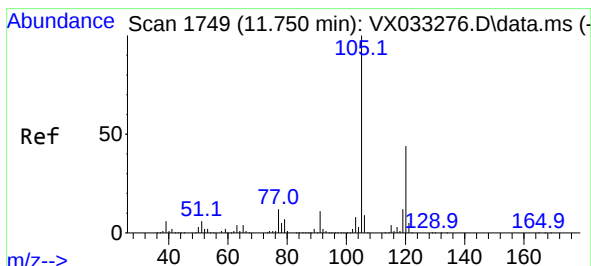
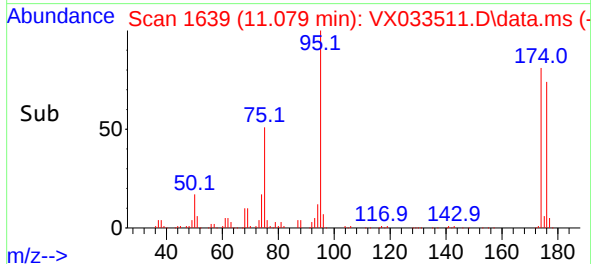
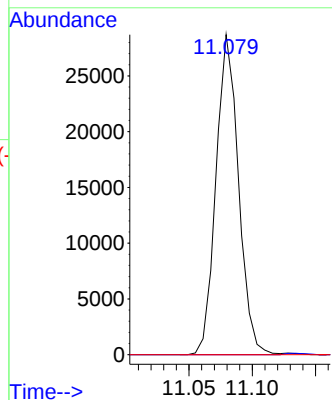
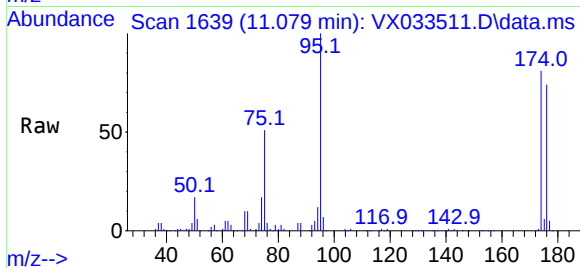




#81
trans-1,4-Dichloro-2-butene
Concen: 65.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
PARS-1

Tgt Ion: 75 Resp: 35479
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.340 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX033511.D
Acq: 20 Dec 2022 16:26

Tgt Ion: 105 Resp: 1698
Ion Ratio Lower Upper
105 100
120 37.5 21.9 65.5

