

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033335.D
 Acq On : 08 Dec 2022 19:45
 Operator : JC/MD
 Sample : N5890-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1826

Quant Time: Dec 09 00:54:52 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)

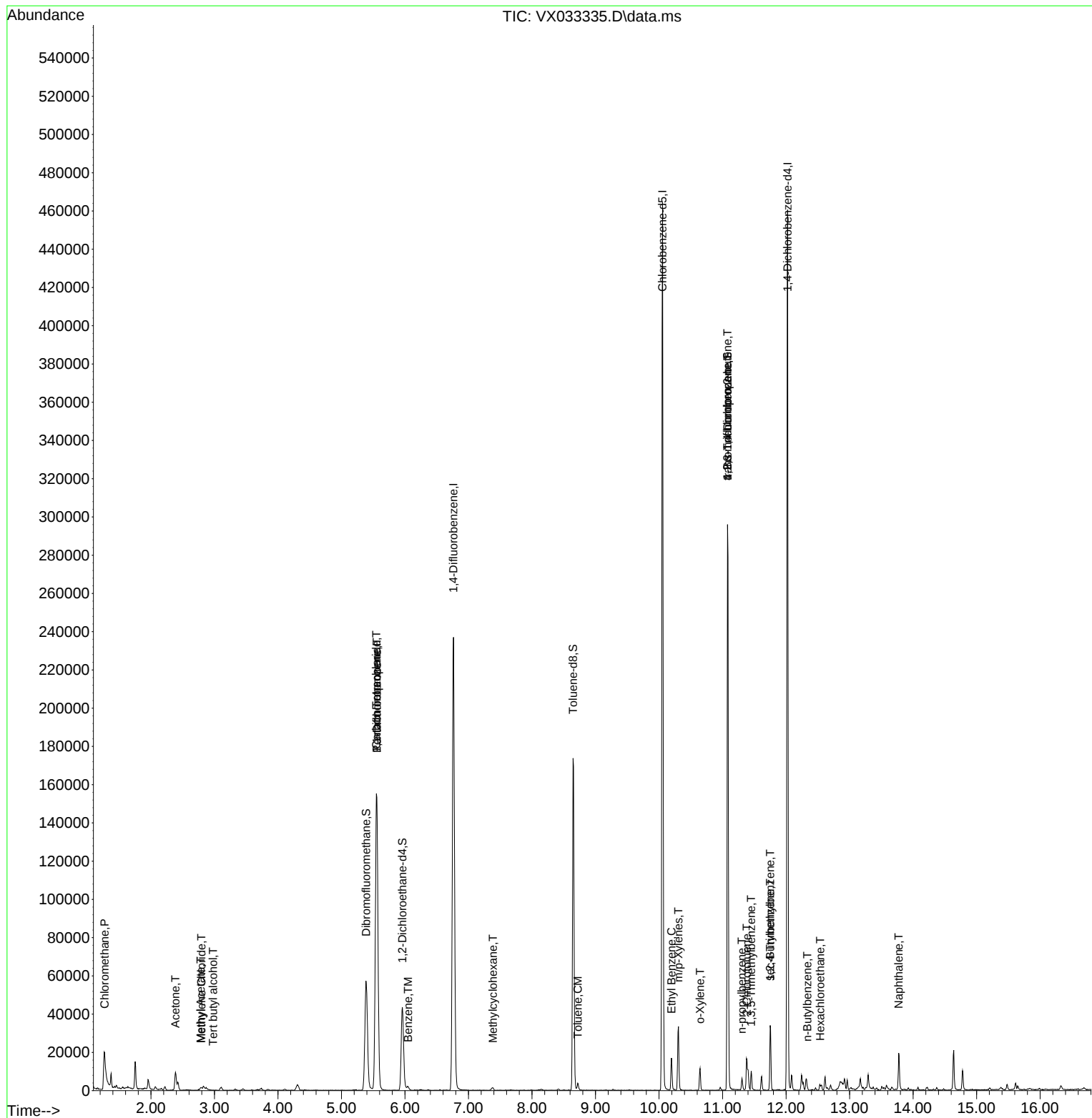
Internal Standards						
1) Pentafluorobenzene	5.556	168	155630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44467	44.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.080%		
35) Dibromofluoromethane	5.385	113	50232	44.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.700%		
50) Toluene-d8	8.647	98	109466	46.723	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.440%		
62) 4-Bromofluorobenzene	11.079	95	80829	45.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	903	0.718	ug/l #	43
11) Tert butyl alcohol	2.977	59	62	0.203	ug/l #	72
16) Acetone	2.386	43	11073	14.988	ug/l #	85
18) Methyl Acetate	2.782	43	681	0.318	ug/l #	51
20) Methylene Chloride	2.794	84	348	0.211	ug/l #	80
36) 1,1-Dichloropropene	5.556	75	11186	5.123	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15301	6.254	ug/l #	16
39) Methylcyclohexane	7.385	83	622	0.255	ug/l #	81
40) Benzene	6.050	78	2565	0.403	ug/l	99
52) Toluene	8.720	92	1445	0.351	ug/l	92
67) Ethyl Benzene	10.195	91	10168	1.323	ug/l	97
68) m/p-Xylenes	10.305	106	8215	2.747	ug/l	99
69) o-Xylene	10.646	106	2756	0.932	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	41007	20.471	ug/l #	37
78) n-propylbenzene	11.305	91	4136	0.519	ug/l	96
79) 2-Chlorotoluene	11.384	91	1701	0.345	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	4760	0.801	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	41007	63.679	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	15610	2.632	ug/l	99
85) sec-Butylbenzene	11.750	105	15610	2.259	ug/l #	57
89) n-Butylbenzene	12.335	91	1030	0.211	ug/l #	22
90) Hexachloroethane	12.536	117	336	0.332	ug/l #	12
95) Naphthalene	13.774	128	14395	2.189	ug/l	99

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

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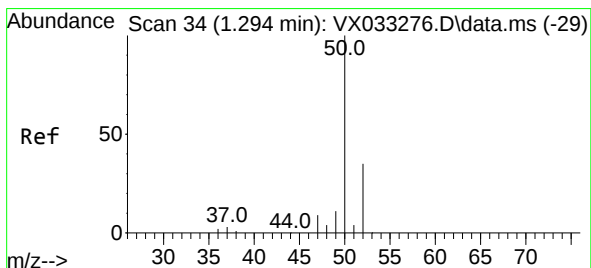
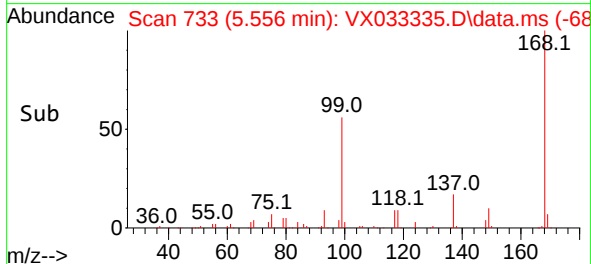
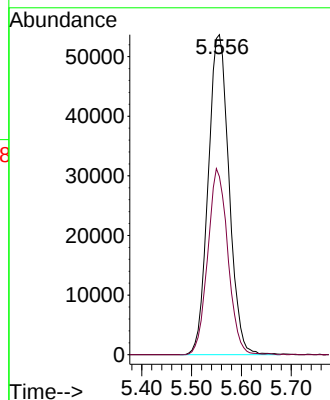
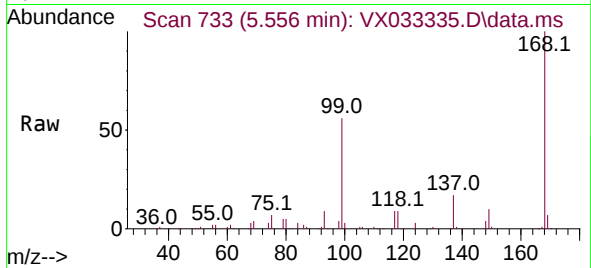




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

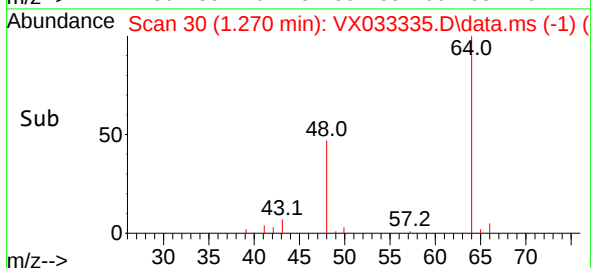
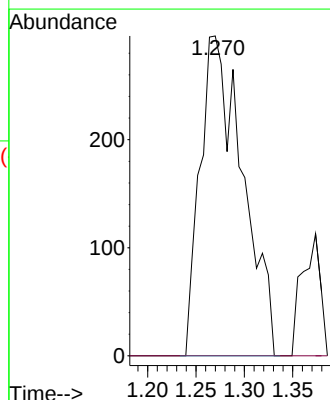
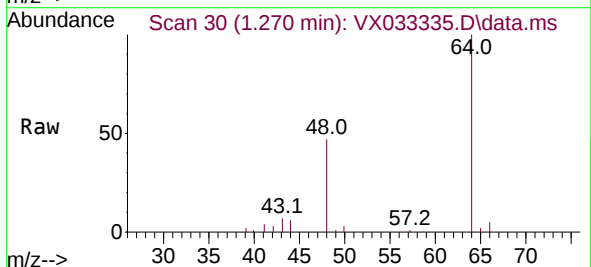
Instrument :
MSVOA_X
ClientSampleId :
1826

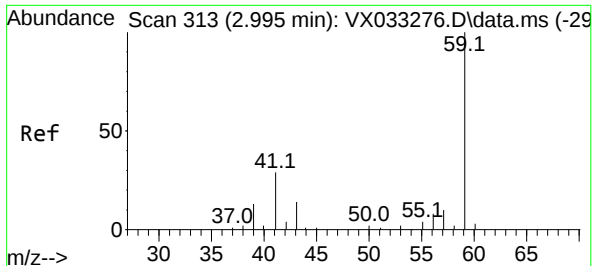
Tgt Ion:168 Resp: 155630
Ion Ratio Lower Upper
168 100
99 55.7 46.1 69.1



#3
Chloromethane
Concen: 0.718 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 50 Resp: 903
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.203 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.018 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

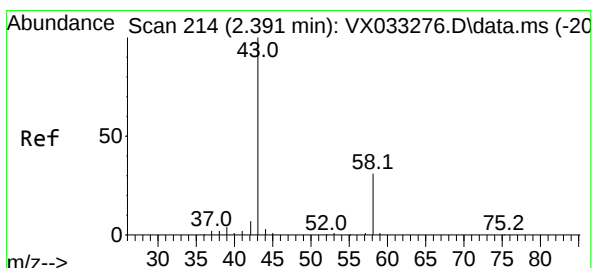
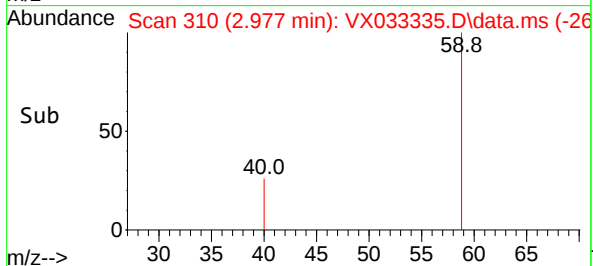
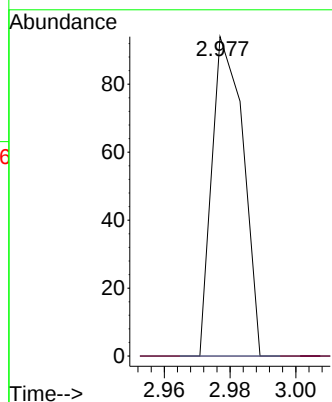
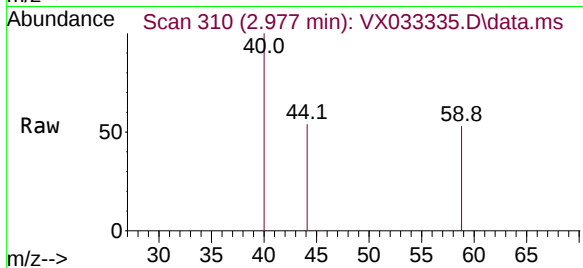
1826

Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 14.988 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033335.D

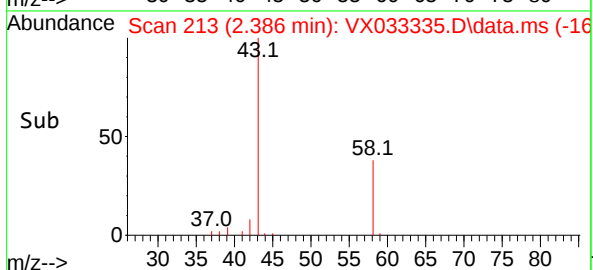
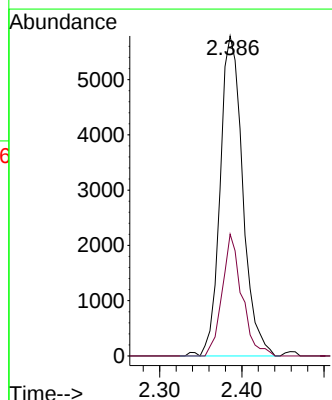
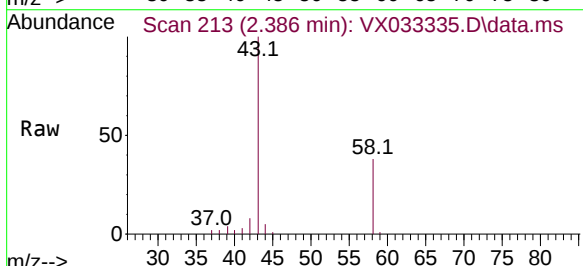
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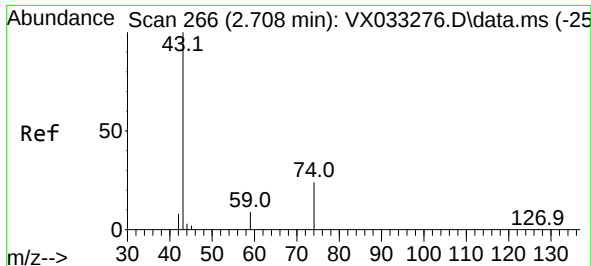
Tgt Ion: 43 Resp: 11073

Ion Ratio Lower Upper

43 100

58 38.1 23.8 35.8#

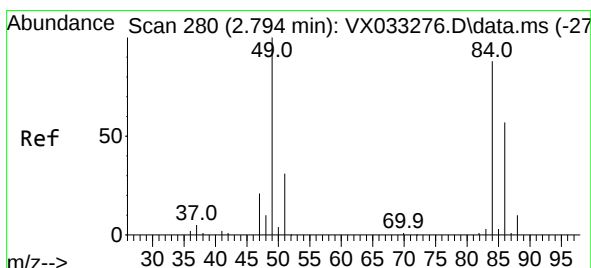
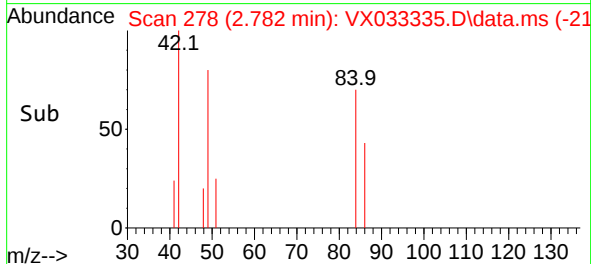
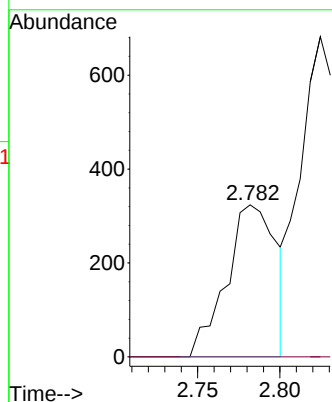
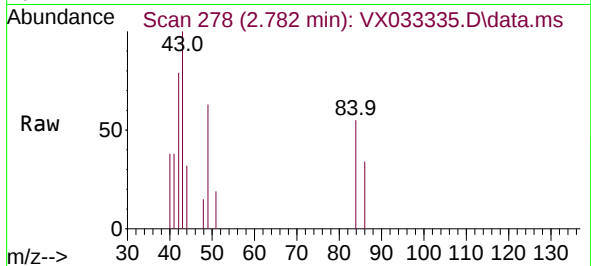




#18
Methyl Acetate
Concen: 0.318 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.073 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

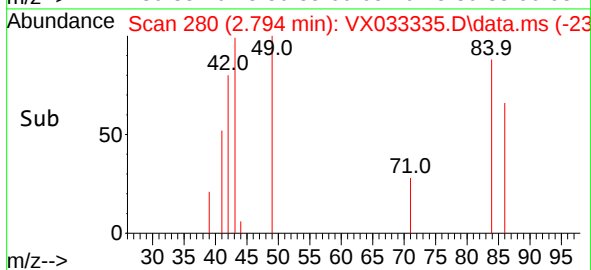
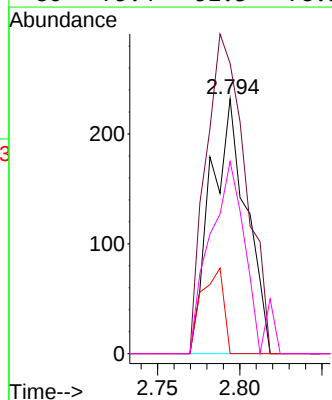
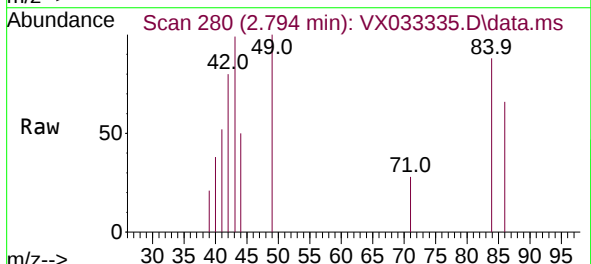
Instrument :
MSVOA_X
ClientSampleId :
1826

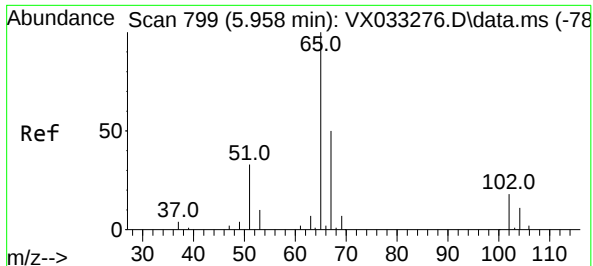
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#



#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 84 Resp: 348
Ion Ratio Lower Upper
84 100
49 113.8 101.0 151.6
51 0.0 31.1 46.7#
86 75.4 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 44.537 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

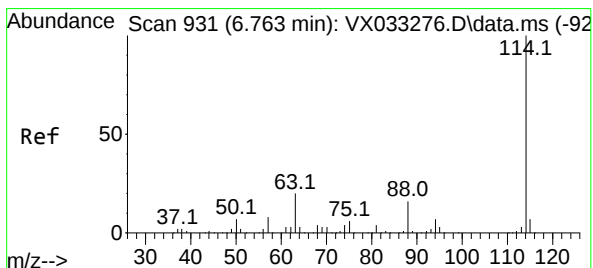
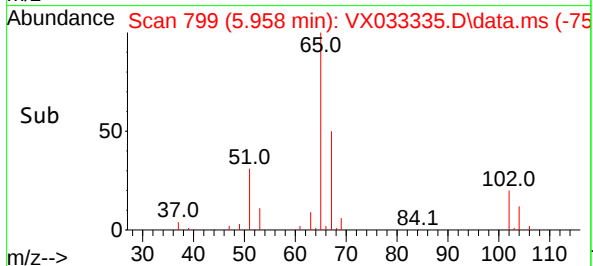
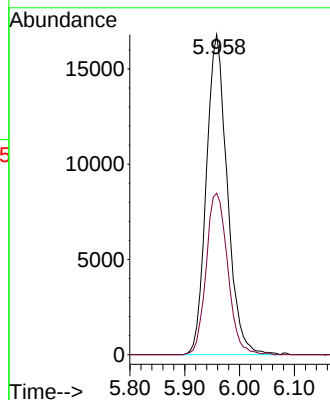
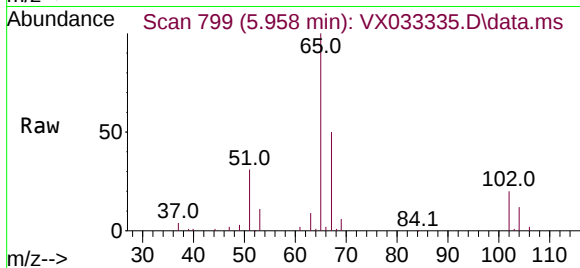
1826

Tgt Ion: 65 Resp: 44467

Ion Ratio Lower Upper

65 100

67 51.9 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: VX033335.D

Acq: 08 Dec 2022 19:45

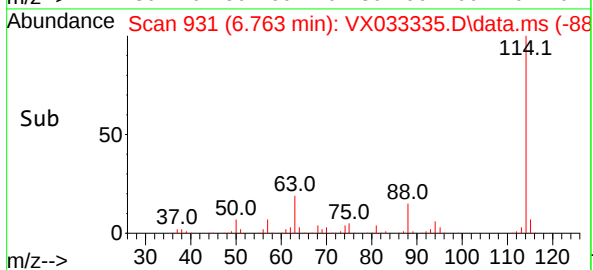
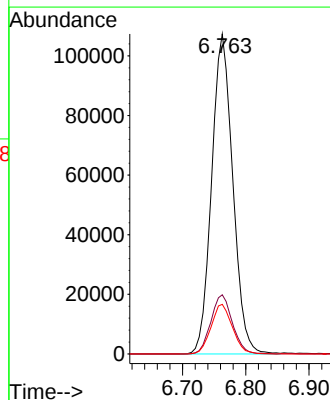
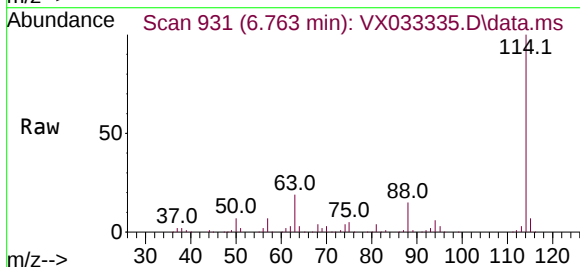
Tgt Ion: 114 Resp: 248997

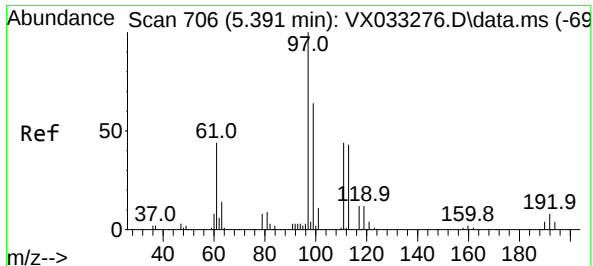
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 15.5 0.0 33.4

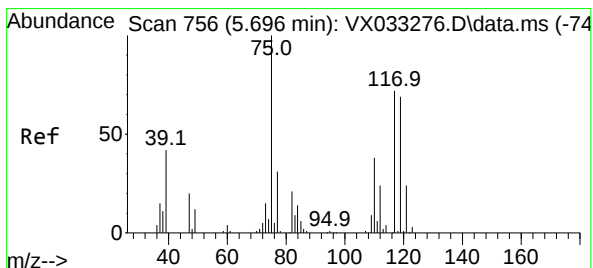
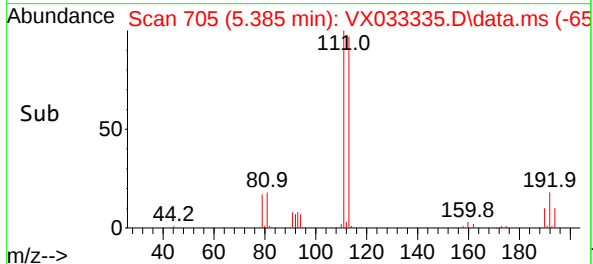
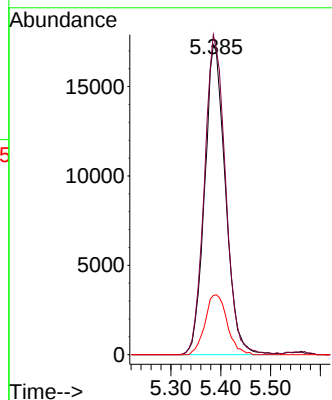
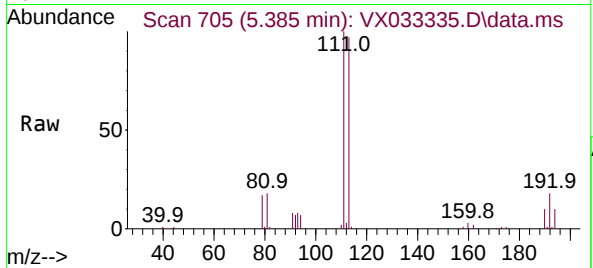




#35
Dibromofluoromethane
Concen: 44.852 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

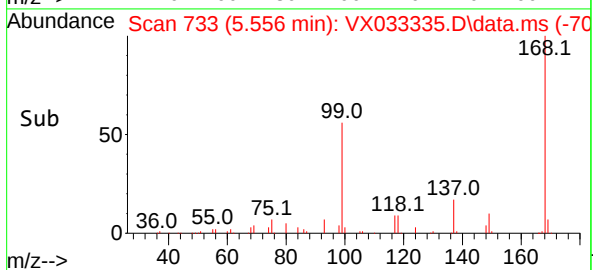
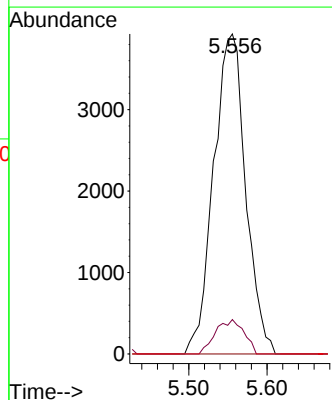
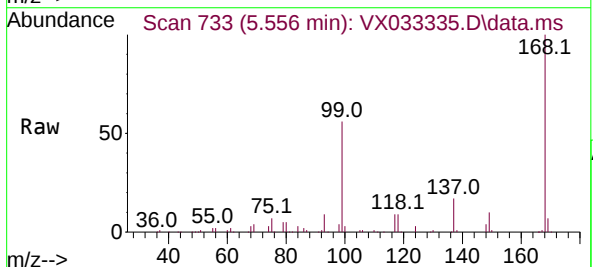
Instrument :
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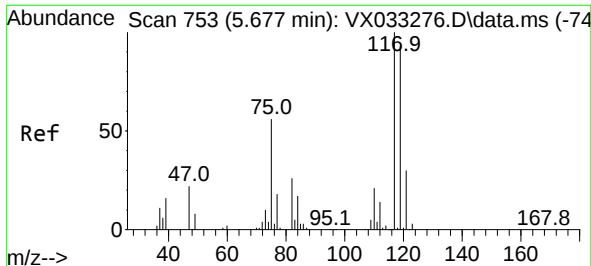
Tgt Ion:113 Resp: 50232
Ion Ratio Lower Upper
113 100
111 104.9 82.4 123.6
192 20.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.123 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 75 Resp: 11186
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.5 36.7#

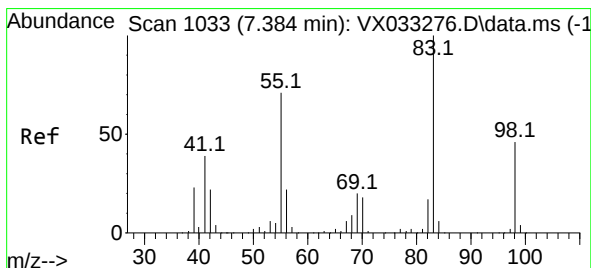
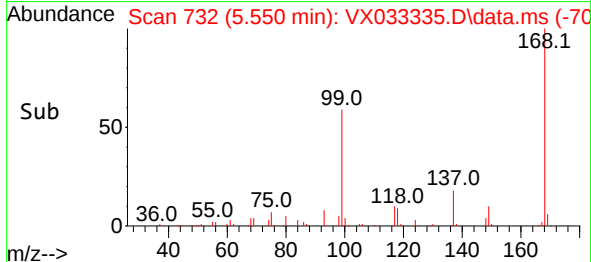
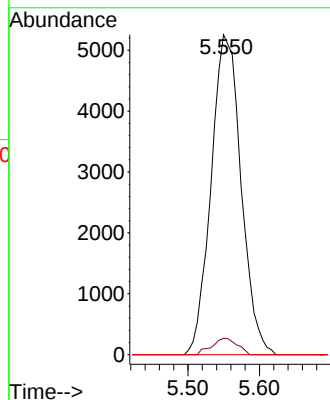
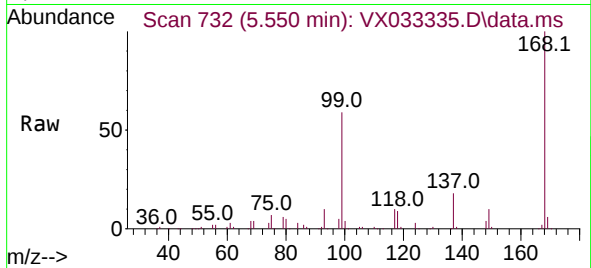




#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

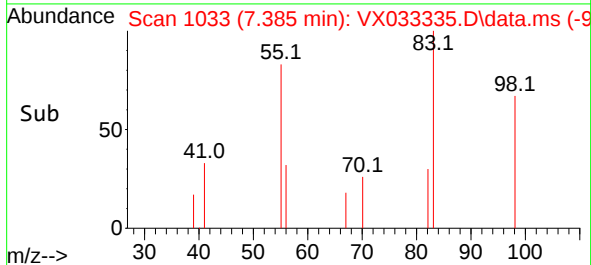
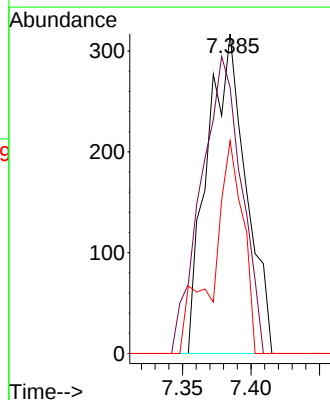
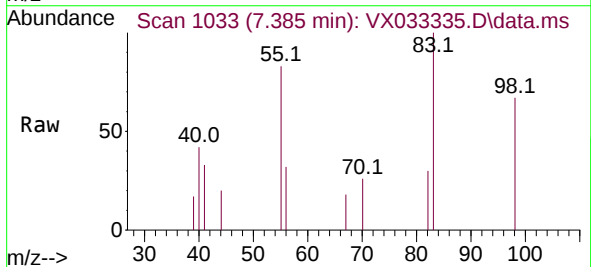
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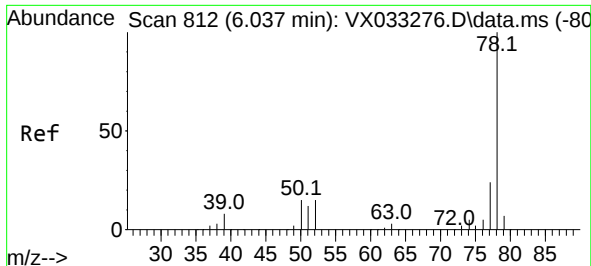
Tgt Ion:117 Resp: 15301
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.255 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 83 Resp: 622
Ion Ratio Lower Upper
83 100
55 83.3 58.4 87.6
98 66.6 37.2 55.8#

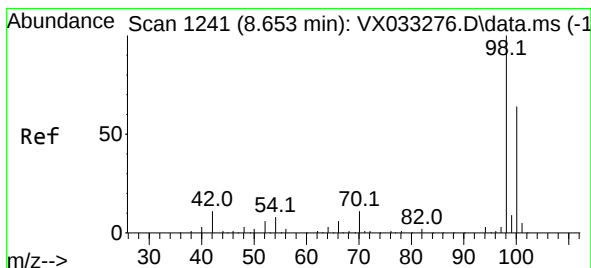
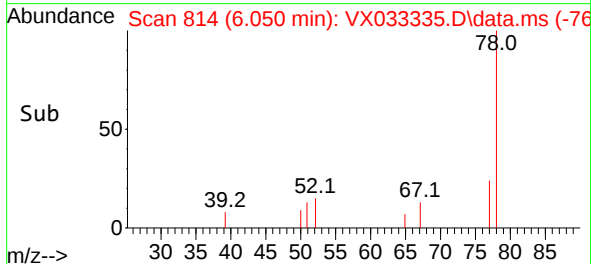
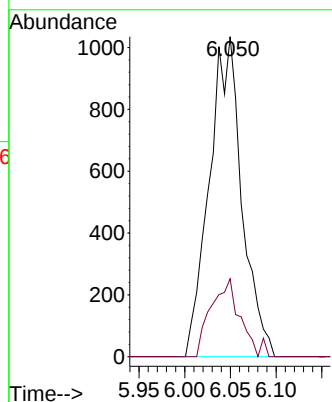
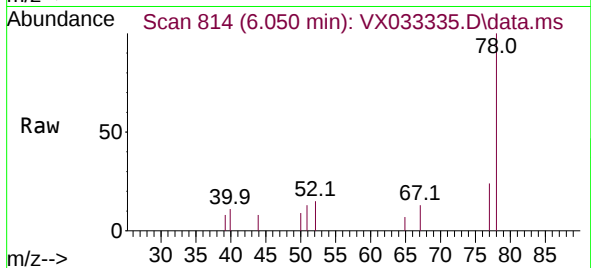




#40
Benzene
Concen: 0.403 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

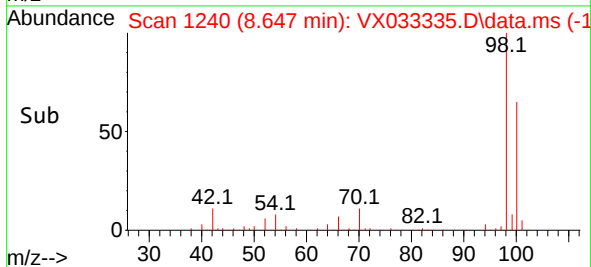
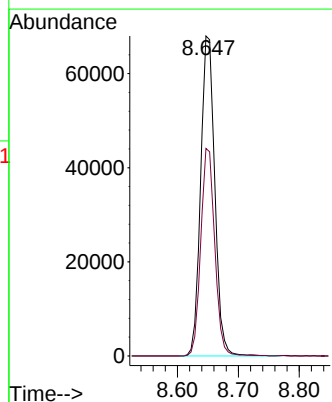
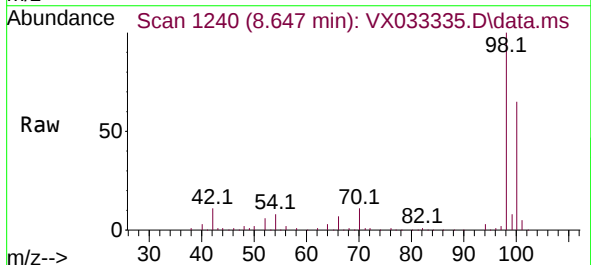
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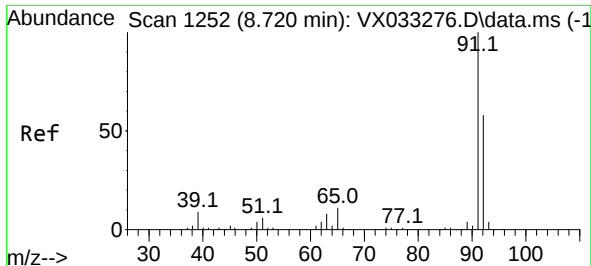
Tgt Ion: 78 Resp: 2565
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.4



#50
Toluene-d8
Concen: 46.723 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 98 Resp: 109466
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

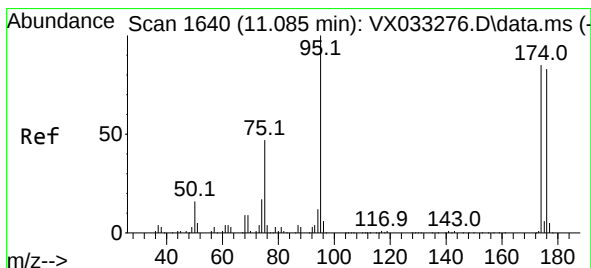
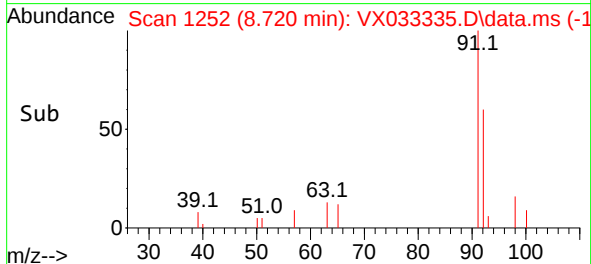
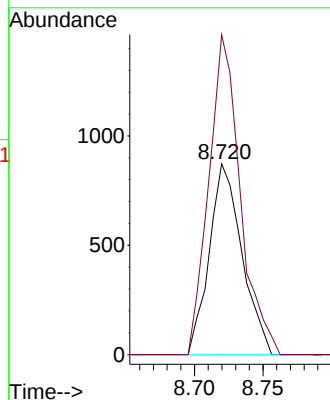
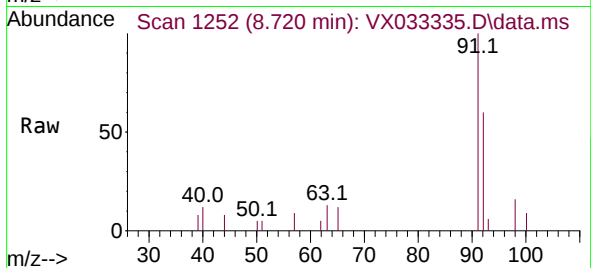




#52
Toluene
Concen: 0.351 ug/l
RT: 8.720 min Scan# 11826
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

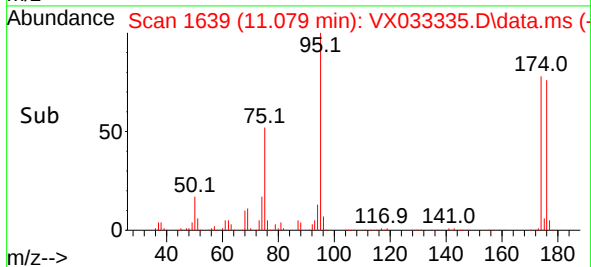
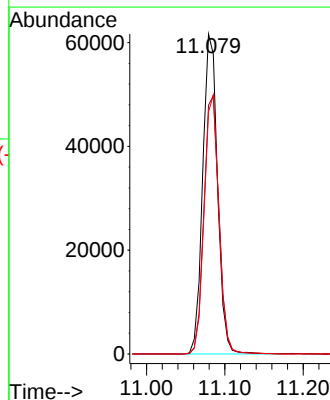
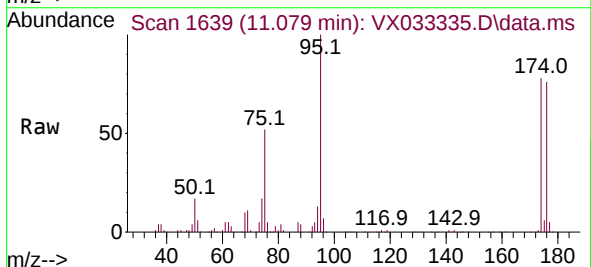
Instrument :
MSVOA_X
ClientSampleId :
1826

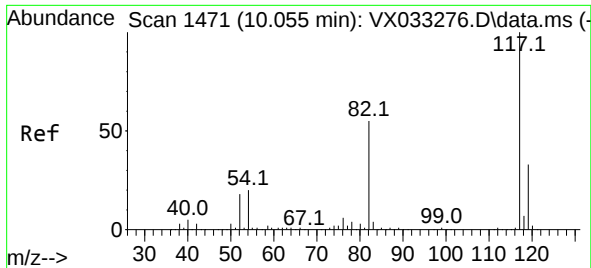
Tgt Ion: 92 Resp: 1445
Ion Ratio Lower Upper
92 100
91 161.6 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 45.121 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 95 Resp: 80829
Ion Ratio Lower Upper
95 100
174 82.2 0.0 164.0
176 80.9 0.0 154.4

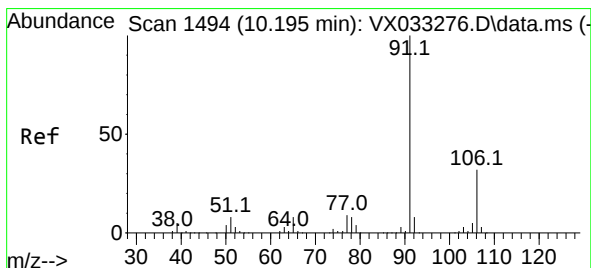
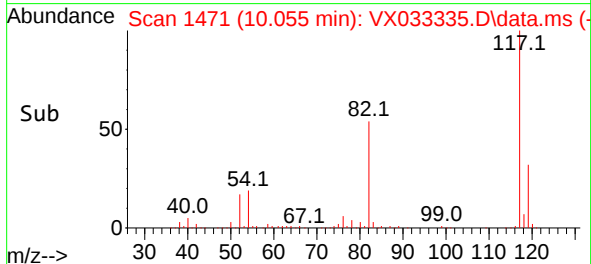
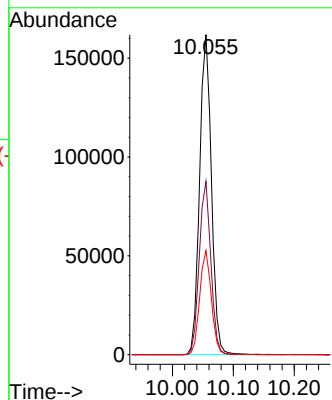
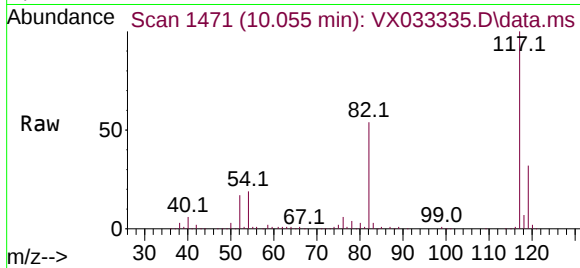




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

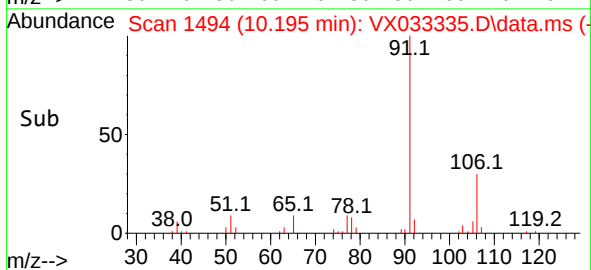
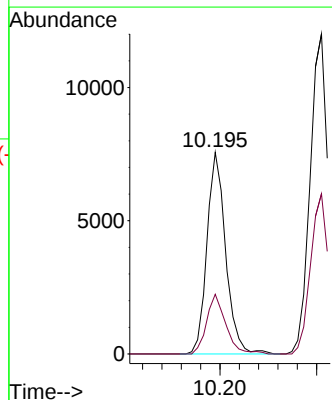
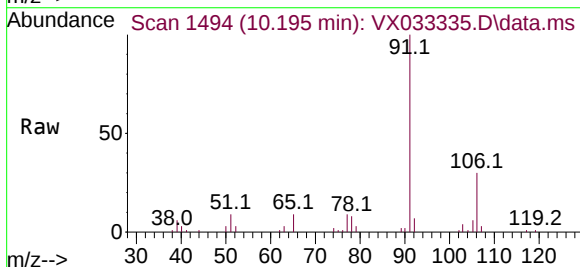
Instrument :
MSVOA_X
ClientSampleId :
1826

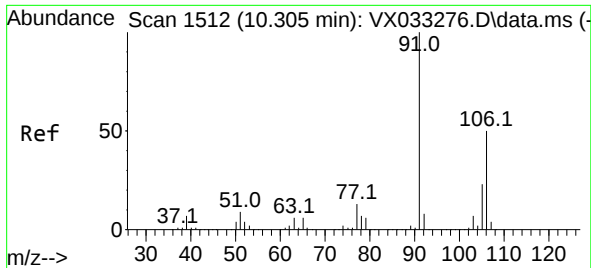
Tgt Ion:117 Resp: 217858
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.5 25.7 38.5



#67
Ethyl Benzene
Concen: 1.323 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion: 91 Resp: 10168
Ion Ratio Lower Upper
91 100
106 29.6 25.0 37.6

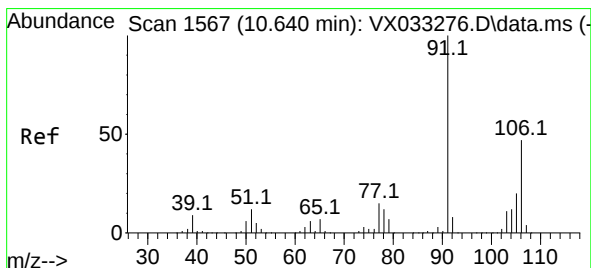
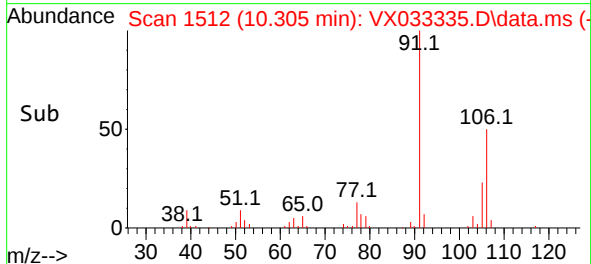
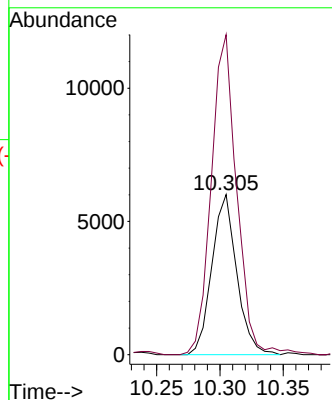
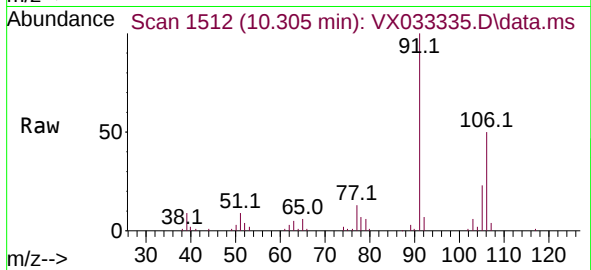




#68
m/p-Xylenes
Concen: 2.747 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

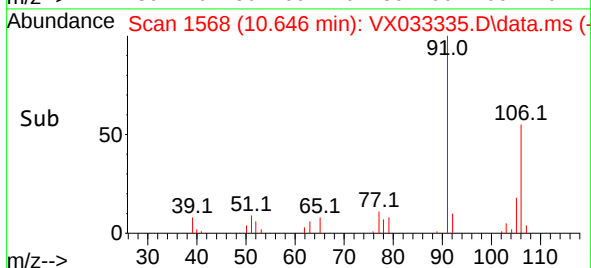
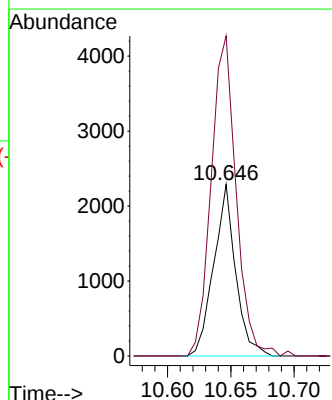
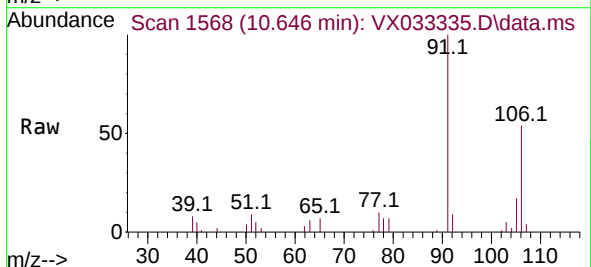
Instrument :
MSVOA_X
ClientSampleId :
1826

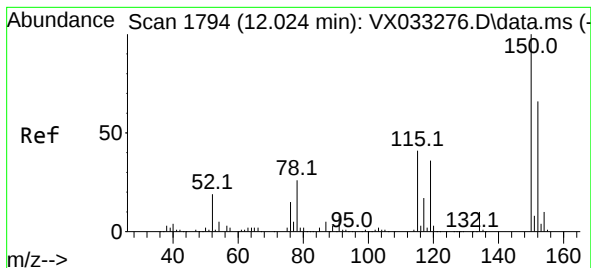
Tgt Ion:106 Resp: 8215
Ion Ratio Lower Upper
106 100
91 204.7 164.5 246.7



#69
o-Xylene
Concen: 0.932 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion:106 Resp: 2756
Ion Ratio Lower Upper
106 100
91 212.6 109.2 327.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

1826

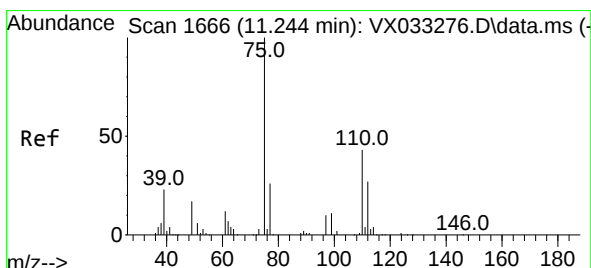
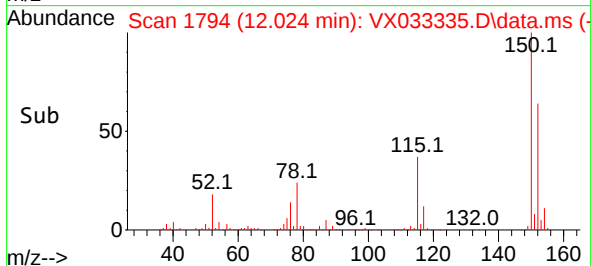
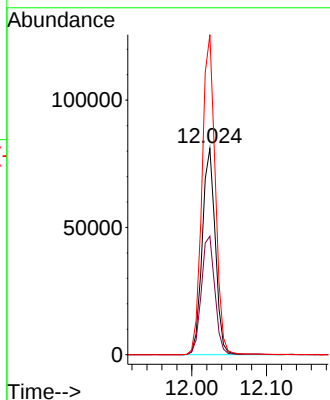
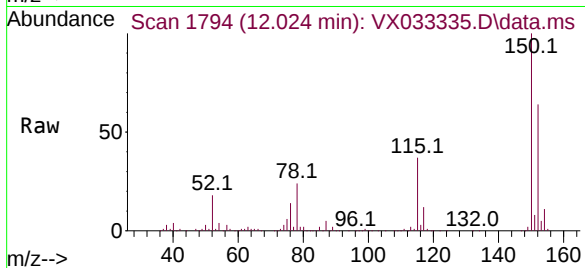
Tgt Ion:152 Resp: 98459

Ion Ratio Lower Upper

152 100

115 59.4 44.0 132.0

150 157.0 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 20.471 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX033335.D

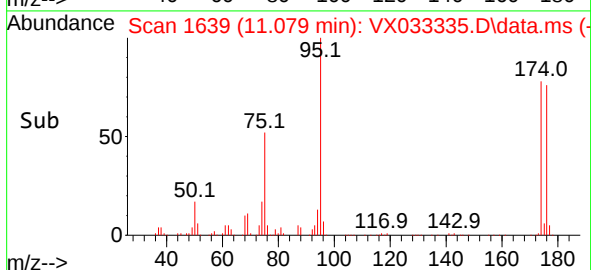
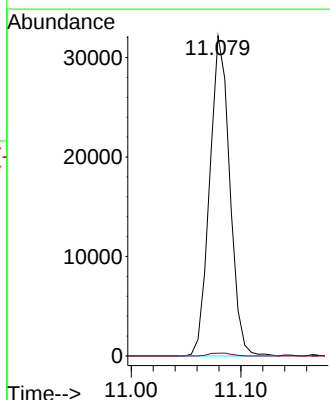
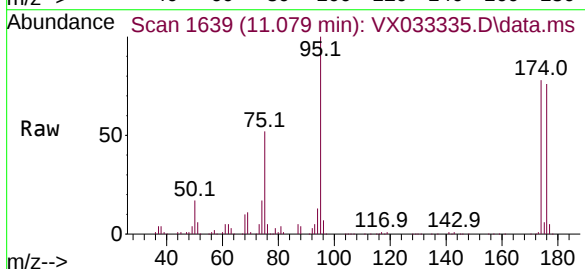
Acq: 08 Dec 2022 19:45

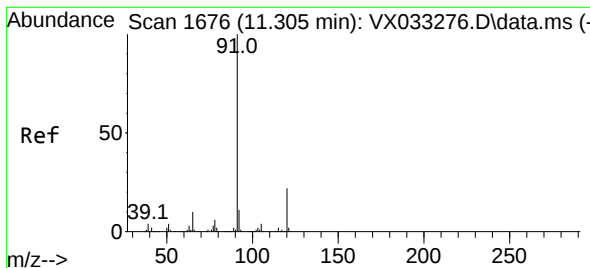
Tgt Ion: 75 Resp: 41007

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#





#78

n-propylbenzene

Concen: 0.519 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

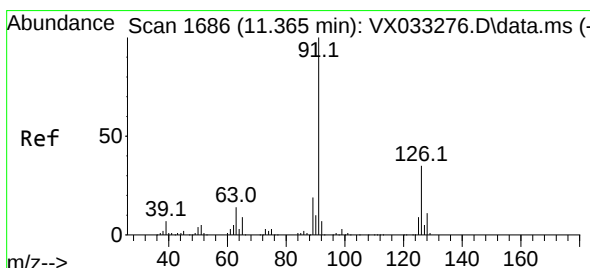
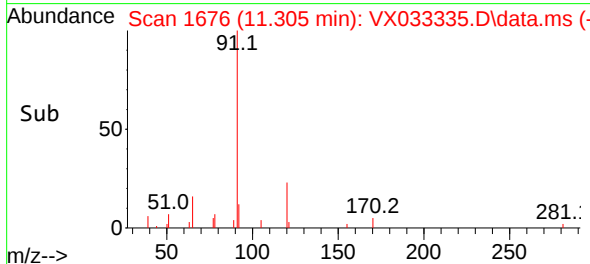
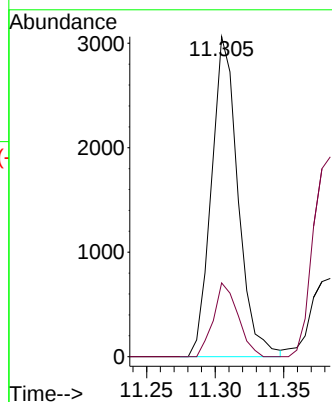
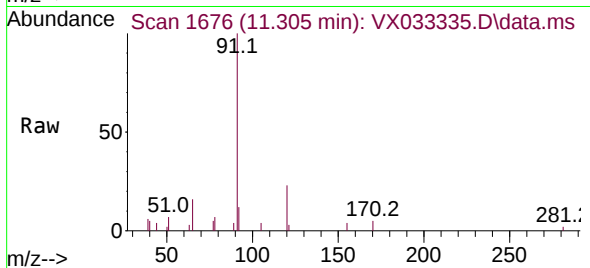
1826

Tgt Ion: 91 Resp: 4136

Ion Ratio Lower Upper

91 100

120 21.3 11.6 34.8



#79

2-Chlorotoluene

Concen: 0.345 ug/l

RT: 11.384 min Scan# 1689

Delta R.T. 0.018 min

Lab File: VX033335.D

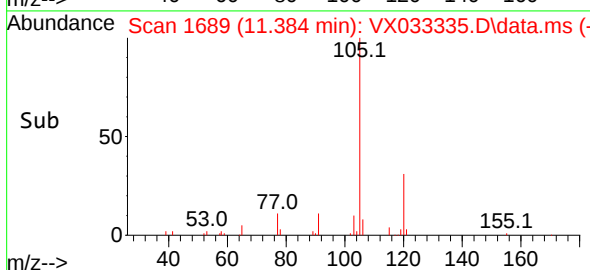
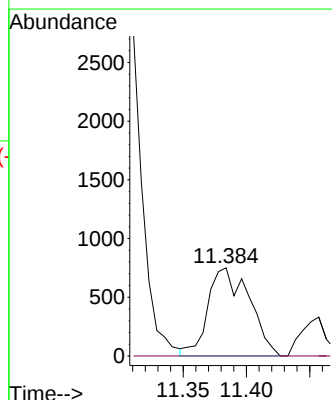
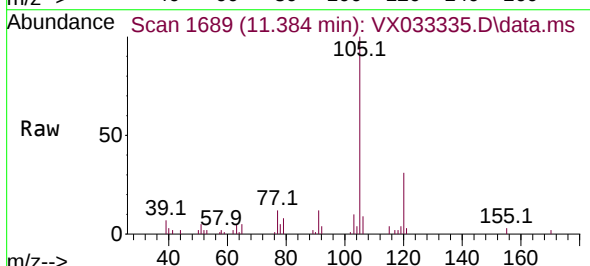
Acq: 08 Dec 2022 19:45

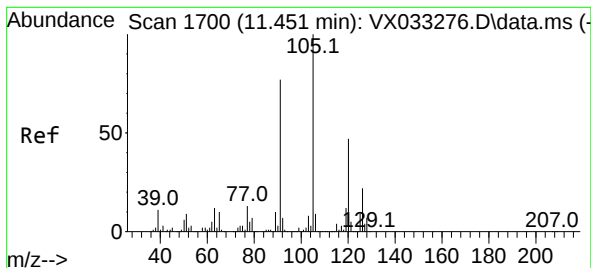
Tgt Ion: 91 Resp: 1701

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.801 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

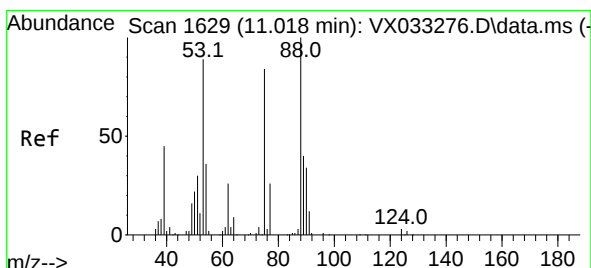
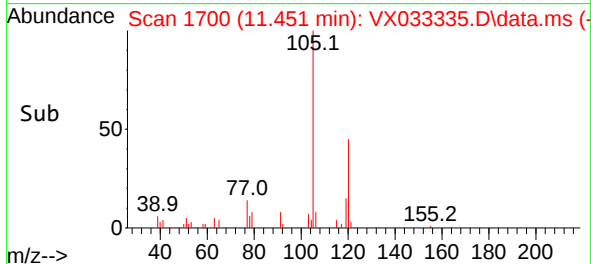
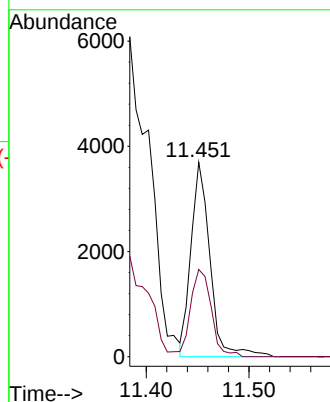
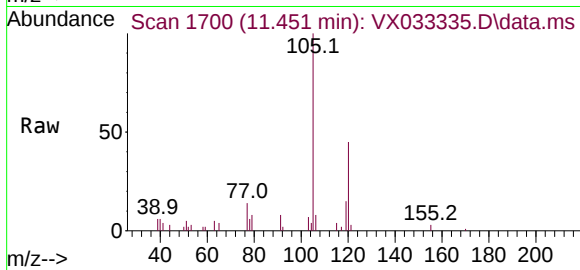
1826

Tgt Ion:105 Resp: 4760

Ion Ratio Lower Upper

105 100

120 48.7 23.6 71.0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.679 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

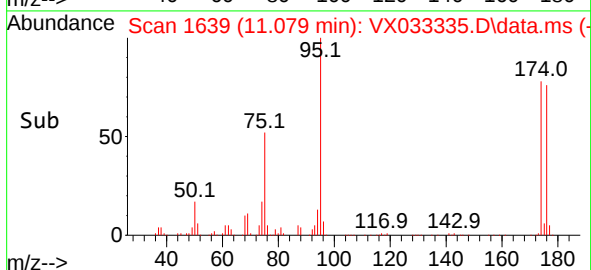
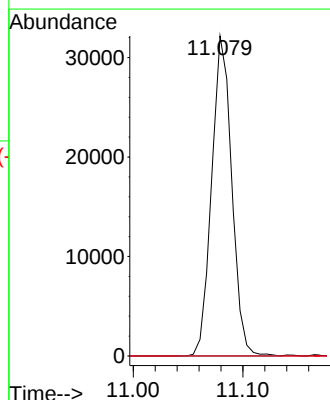
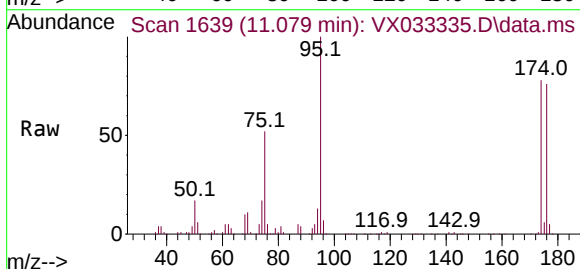
Tgt Ion: 75 Resp: 41007

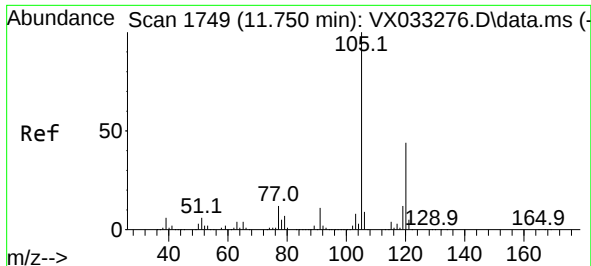
Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#

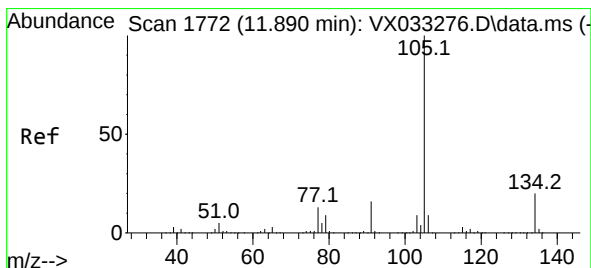
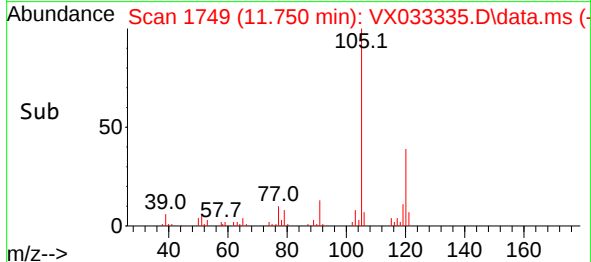
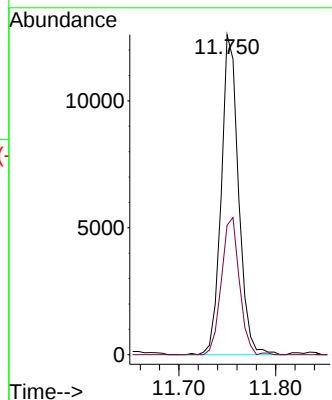
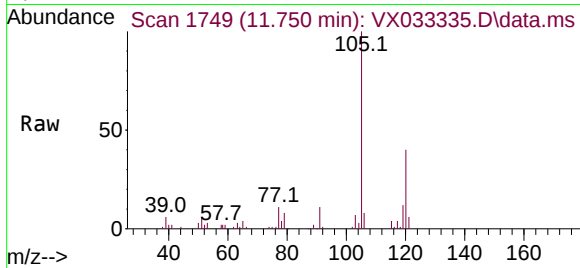




#84
1,2,4-Trimethylbenzene
Concen: 2.632 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

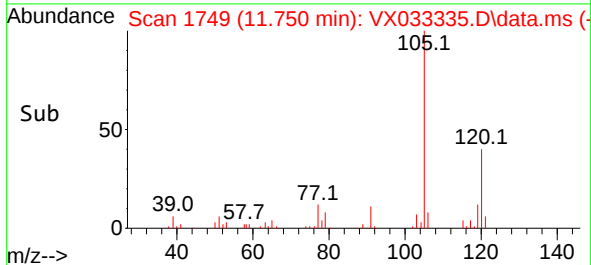
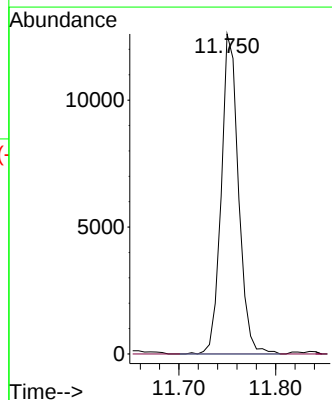
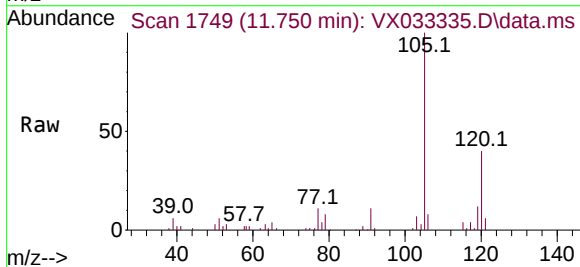
Instrument :
MSVOA_X
ClientSampleId :
1826

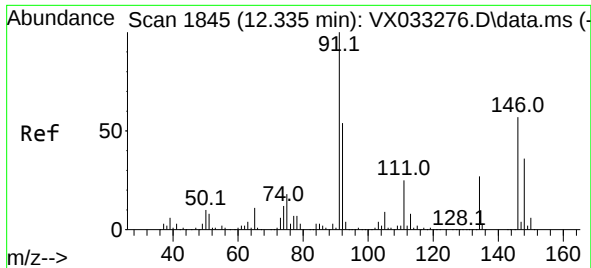
Tgt Ion:105 Resp: 15610
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.5



#85
sec-Butylbenzene
Concen: 2.259 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Tgt Ion:105 Resp: 15610
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





#89

n-Butylbenzene

Concen: 0.211 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX033335.D

Acq: 08 Dec 2022 19:45

Instrument :

MSVOA_X

ClientSampleId :

1826

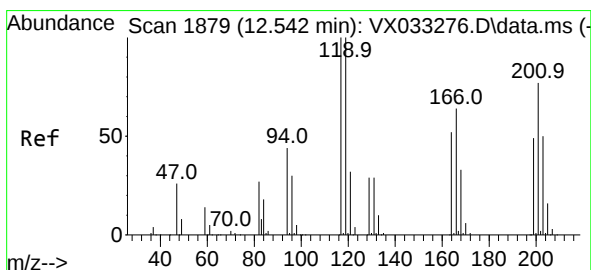
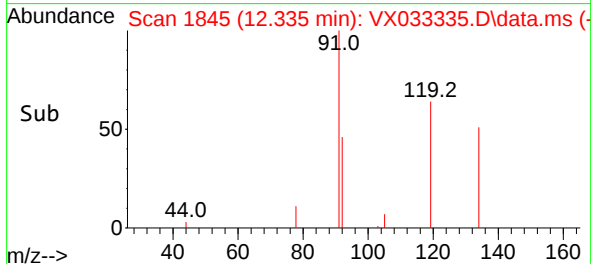
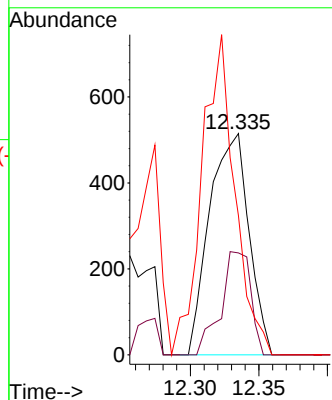
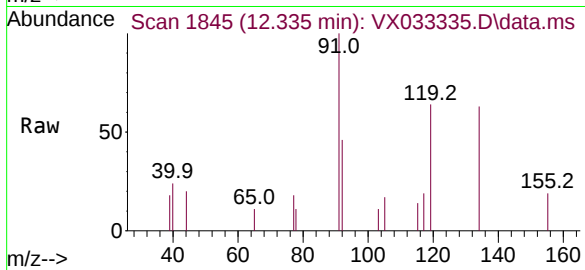
Tgt Ion: 91 Resp: 1030

Ion Ratio Lower Upper

91 100

92 35.3 26.2 78.6

134 120.3 12.9 38.6#



#90

Hexachloroethane

Concen: 0.332 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX033335.D

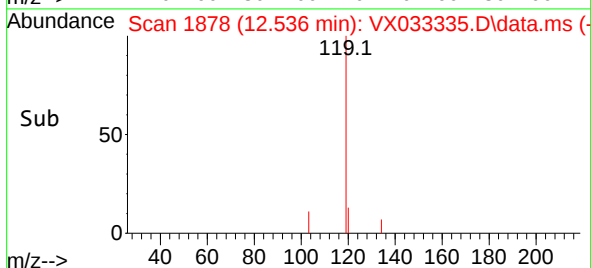
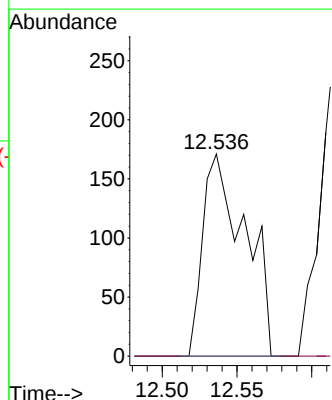
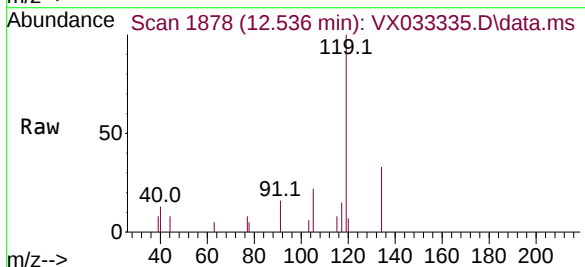
Acq: 08 Dec 2022 19:45

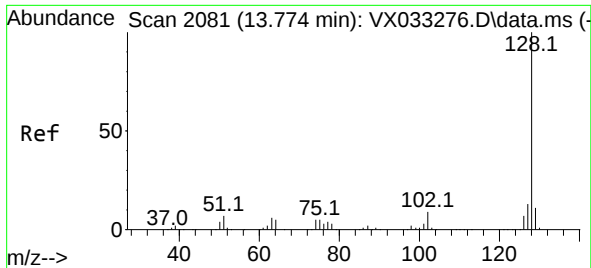
Tgt Ion: 117 Resp: 336

Ion Ratio Lower Upper

117 100

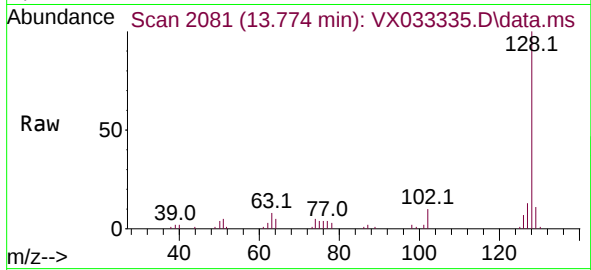
201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 2.189 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033335.D
Acq: 08 Dec 2022 19:45

Instrument :
MSVOA_X
ClientSampleId :
1826



Tgt Ion:	128	Resp:	14395
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.5	8.9	13.3

