

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093024\
 Data File : VX043195.D
 Acq On : 30 Sep 2024 13:55
 Operator : JC/MD
 Sample : P4202-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50415RE

Quant Time: Oct 01 01:51:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

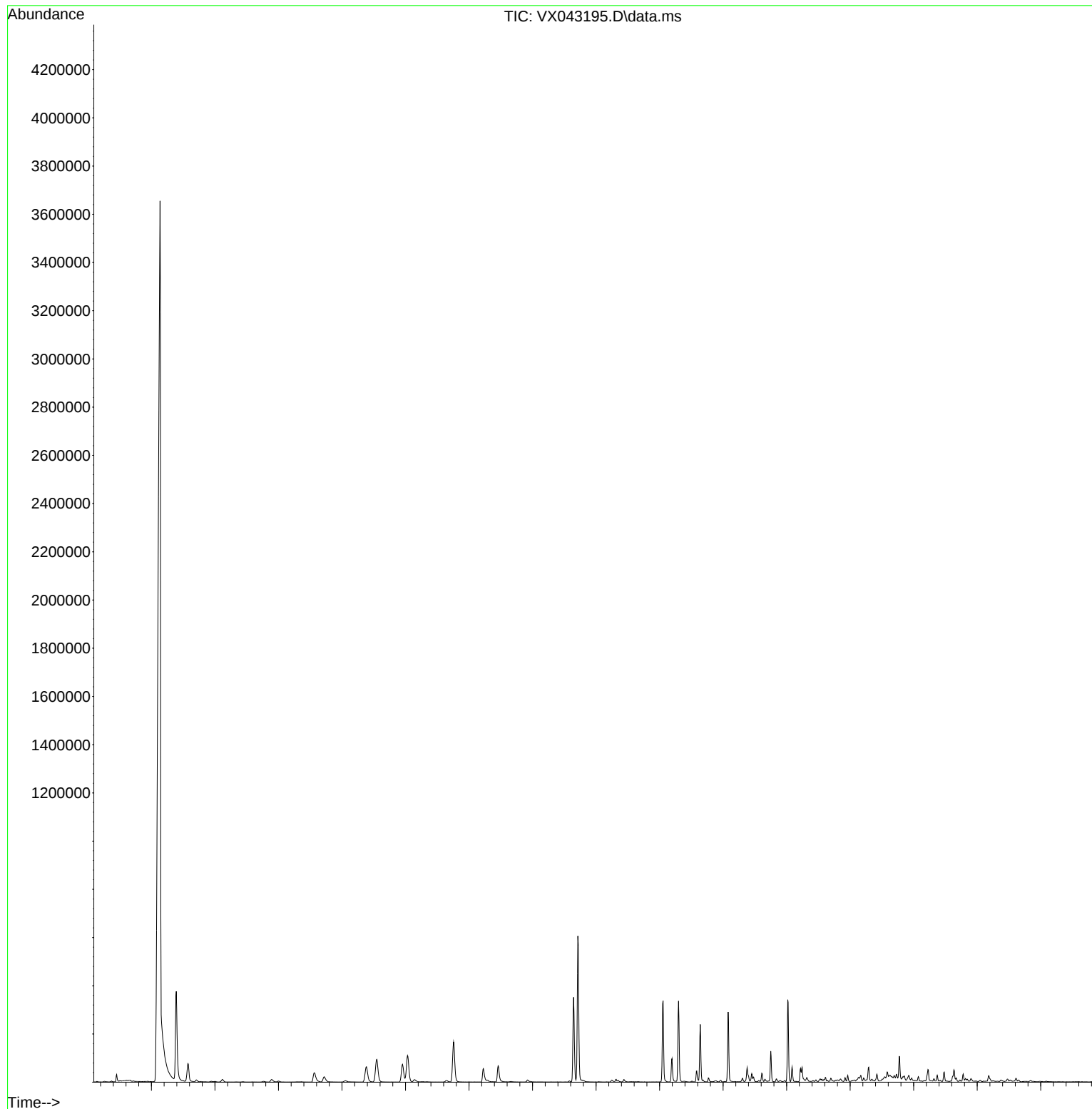
Internal Standards						
1) Pentafluorobenzene	5.550	168	87182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74490	51.439	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	102.880%		
35) Dibromofluoromethane	5.385	113	55898	47.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.680%		
50) Toluene-d8	8.647	98	204552	51.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.420%		
62) 4-Bromofluorobenzene	11.079	95	76074	47.289	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.580%		
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	448069	661.612	ug/l	99
18) Methyl Acetate	2.709	43	9509	5.217	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	11553	3.281	ug/l	95
20) Methylene Chloride	2.782	84	792	0.735	ug/l	89
22) Diisopropyl ether	3.770	45	3302	1.028	ug/l #	89
25) 2-Butanone	4.562	43	73774	84.506	ug/l	100
37) Ethyl Acetate	4.721	43	40070	21.988	ug/l	99
40) Benzene	6.031	78	132724	31.003	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	2968	1.587	ug/l	100
52) Toluene	8.714	92	225570	81.816	ug/l	98
59) 2-Hexanone	9.439	43	6806	4.655	ug/l	99
67) Ethyl Benzene	10.195	91	57030	10.276	ug/l	100
68) m/p-Xylenes	10.299	106	76415	36.999	ug/l	99
69) o-Xylene	10.640	106	48813	23.564	ug/l	99
73) Isopropylbenzene	10.963	105	2961	0.559	ug/l	91
78) n-propylbenzene	11.305	91	7367	1.226	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	13140	2.999	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	53308	12.230	ug/l	100
95) Naphthalene	13.774	128	59334	12.062	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	784	0.558	ug/l #	91

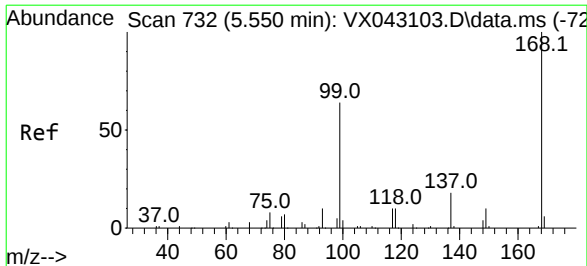
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration

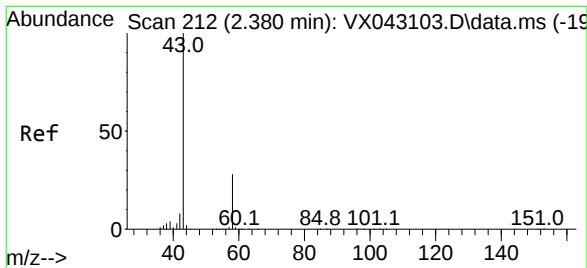
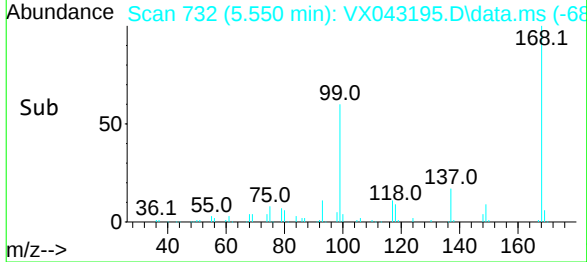
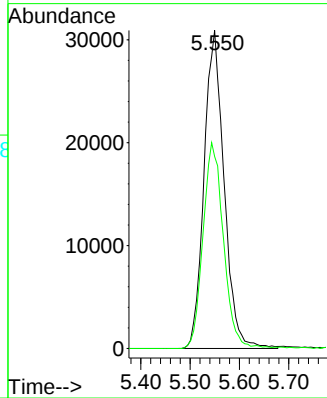
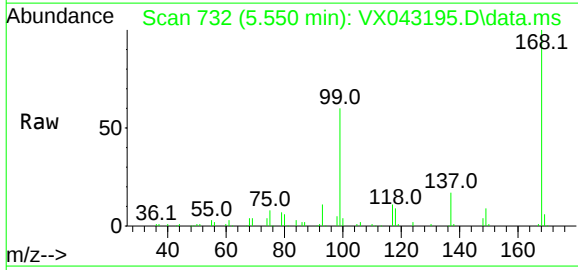




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

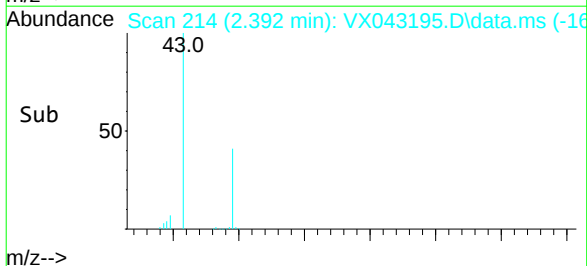
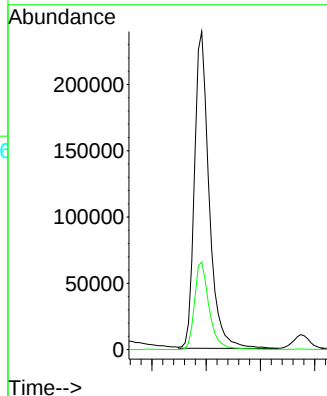
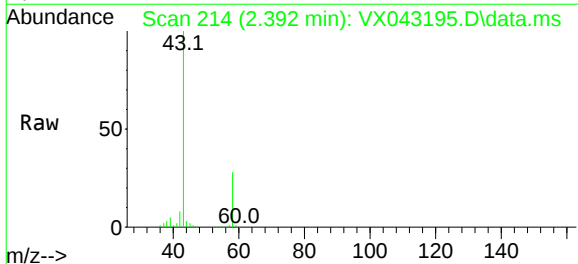
Instrument :
MSVOA_X
ClientSampleId :
50415RE

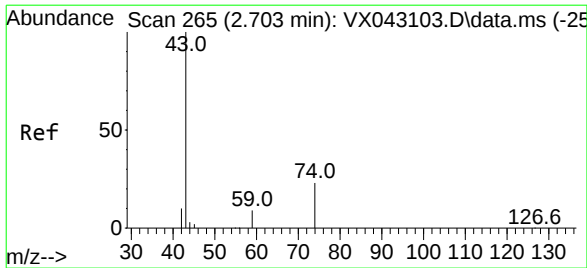
Tgt Ion:168 Resp: 87182
Ion Ratio Lower Upper
168 100
99 60.4 50.8 76.2



#16
Acetone
Concen: 661.612 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Tgt Ion: 43 Resp: 448069
Ion Ratio Lower Upper
43 100
58 27.6 22.6 34.0





#18

Methyl Acetate

Concen: 5.217 ug/l

RT: 2.709 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument : MSVOA_X

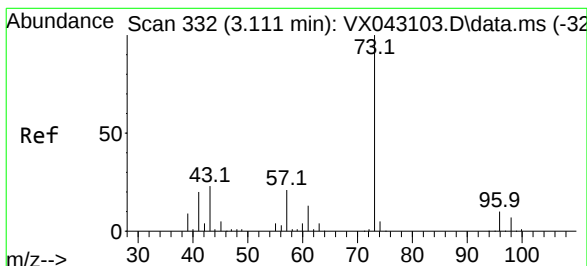
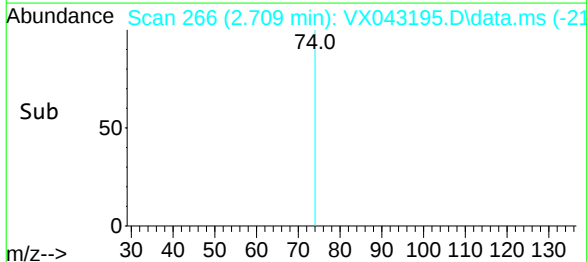
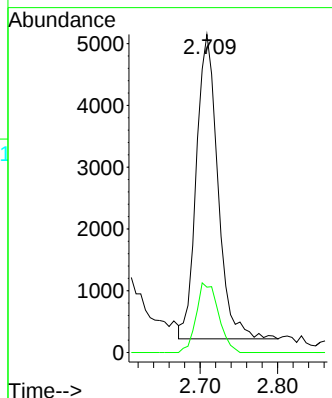
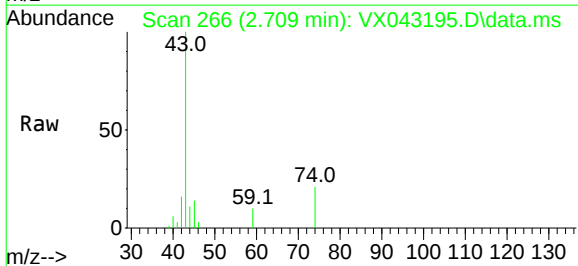
ClientSampleId : 50415RE

Tgt Ion: 43 Resp: 9509

Ion Ratio Lower Upper

43 100

74 23.6 19.2 28.8



#19

Methyl tert-butyl Ether

Concen: 3.281 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX043195.D

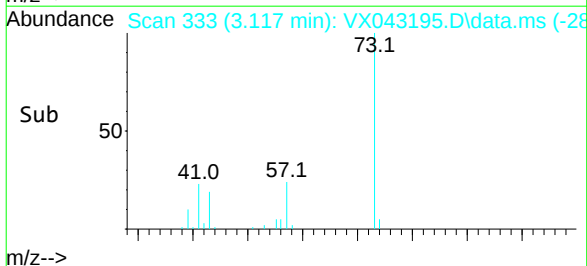
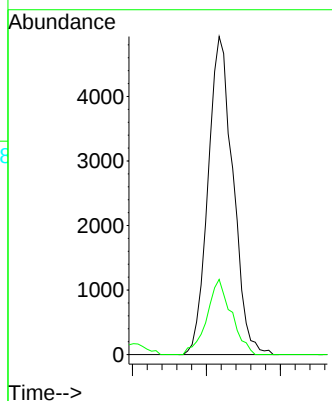
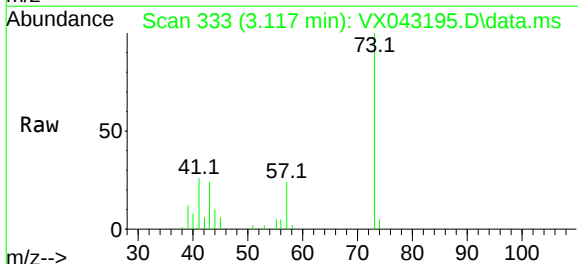
Acq: 30 Sep 2024 13:55

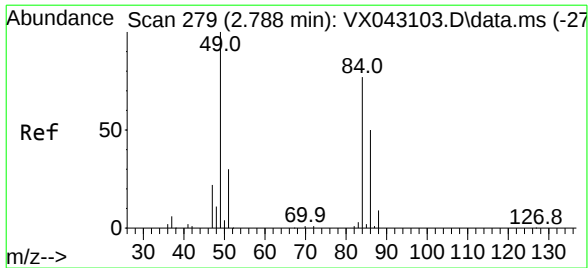
Tgt Ion: 73 Resp: 11553

Ion Ratio Lower Upper

73 100

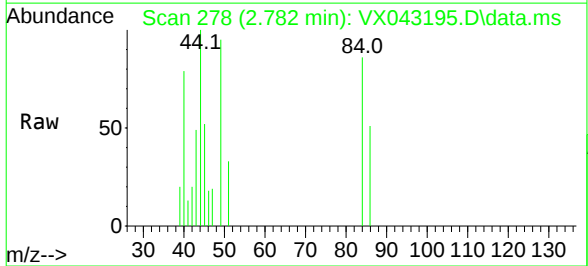
57 23.6 17.0 25.4



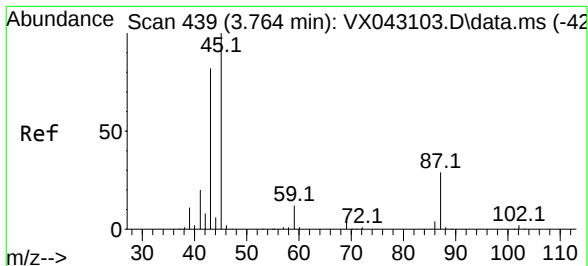
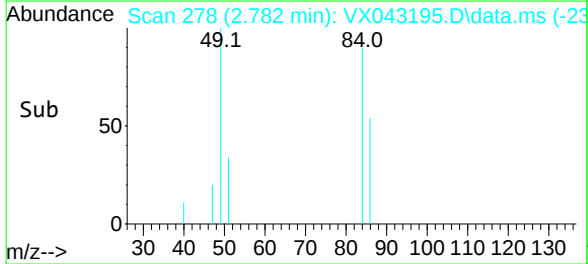
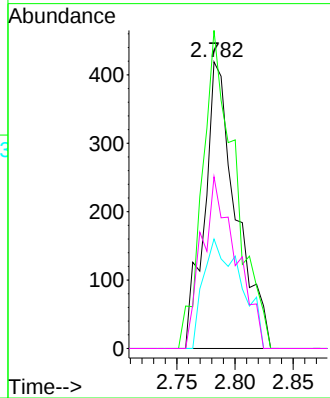


#20
Methylene Chloride
Concen: 0.735 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.006 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Instrument :
MSVOA_X
ClientSampleId :
50415RE

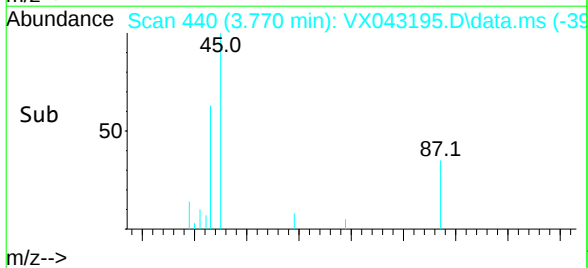
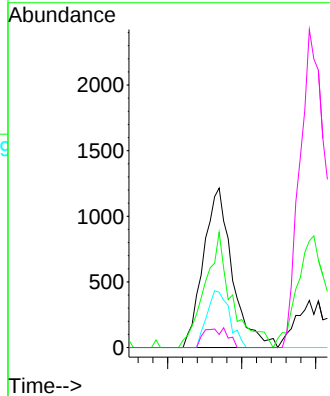
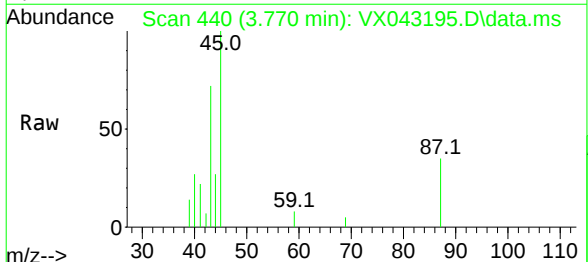


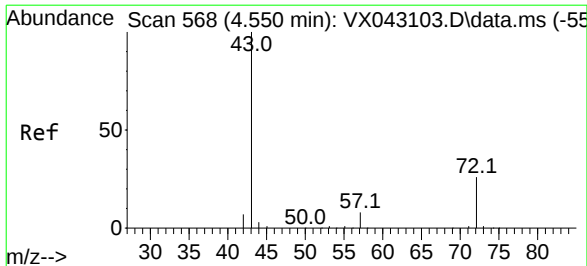
Tgt Ion:	84	Resp:	792
Ion	Ratio	Lower	Upper
84	100		
49	111.0	104.1	156.1
51	38.2	31.1	46.7
86	59.9	52.1	78.1



#22
Diisopropyl ether
Concen: 1.028 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Tgt Ion:	45	Resp:	3302
Ion	Ratio	Lower	Upper
45	100		
43	72.4	65.8	98.6
87	34.7	23.1	34.7
59	8.2	9.4	14.0#





#25

2-Butanone

Concen: 84.506 ug/l

RT: 4.562 min Scan# 57

Delta R.T. 0.012 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

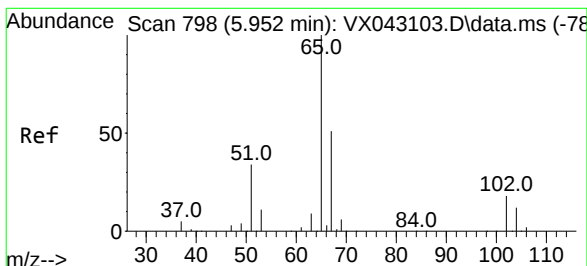
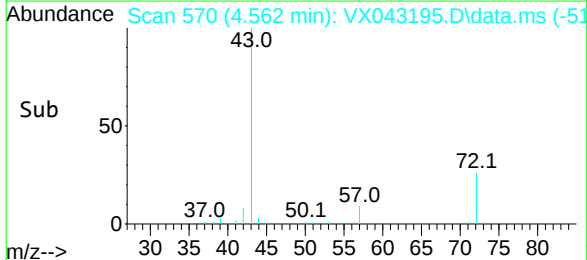
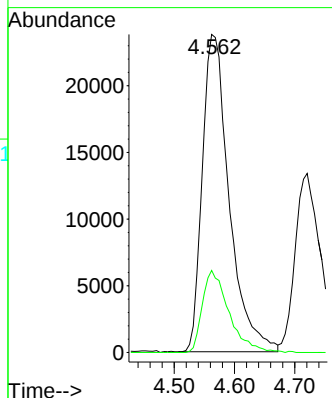
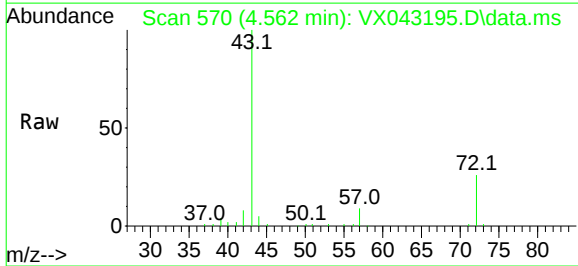
50415RE

Tgt Ion: 43 Resp: 73774

Ion Ratio Lower Upper

43 100

72 25.9 20.7 31.1



#33

1,2-Dichloroethane-d4

Concen: 51.439 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043195.D

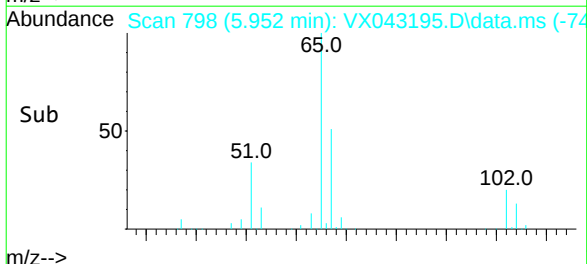
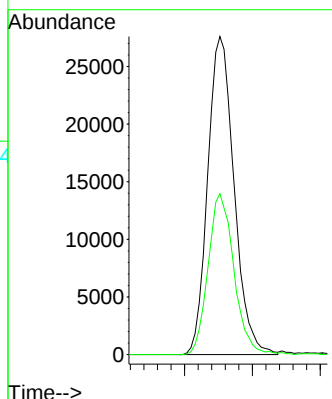
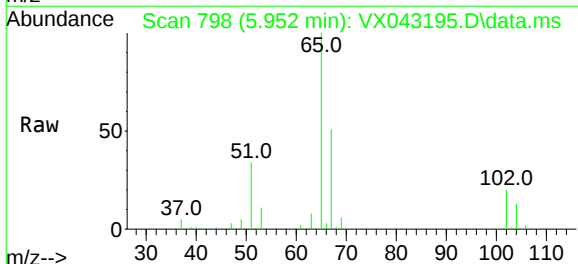
Acq: 30 Sep 2024 13:55

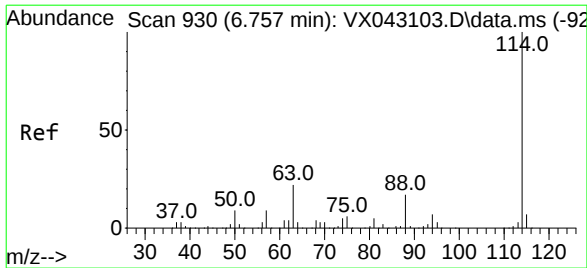
Tgt Ion: 65 Resp: 74490

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0

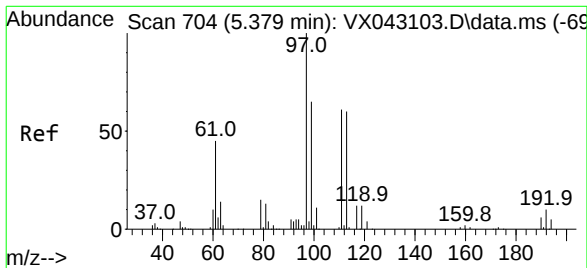
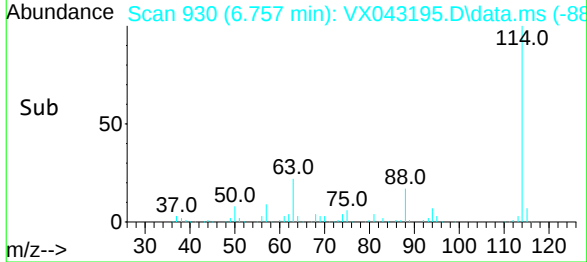
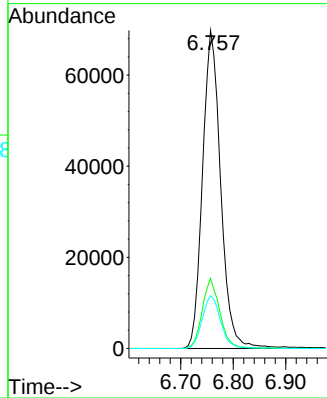
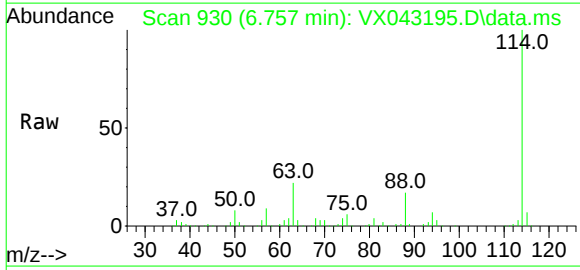




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

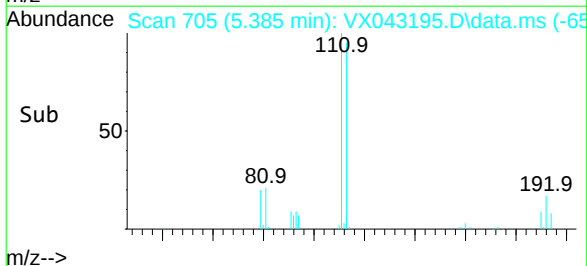
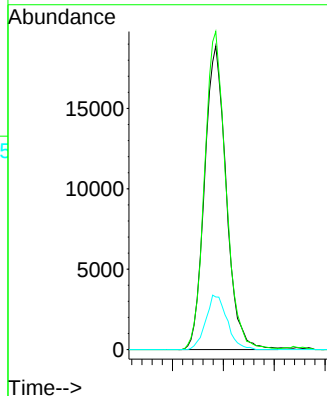
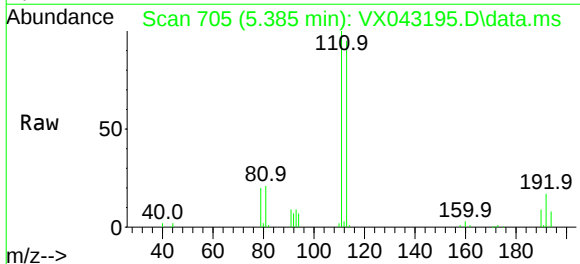
Instrument :
MSVOA_X
ClientSampleId :
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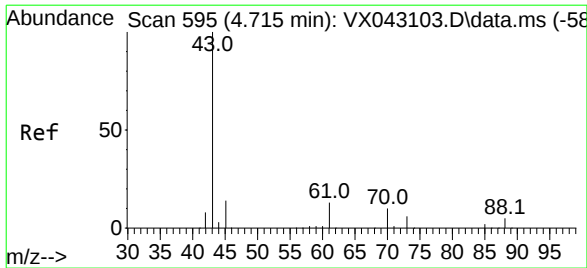
Tgt Ion:	114	Resp:	167376
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.6	0.0	33.4



#35
Dibromofluoromethane
Concen: 47.342 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Tgt Ion:	113	Resp:	55898
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	17.6	14.6	22.0





#37

Ethyl Acetate

Concen: 21.988 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

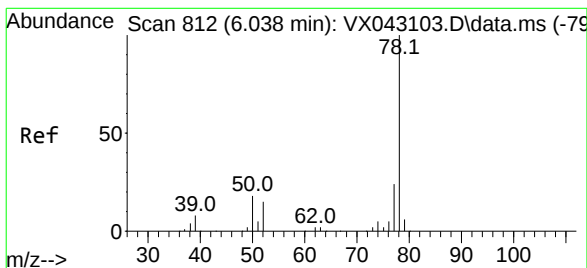
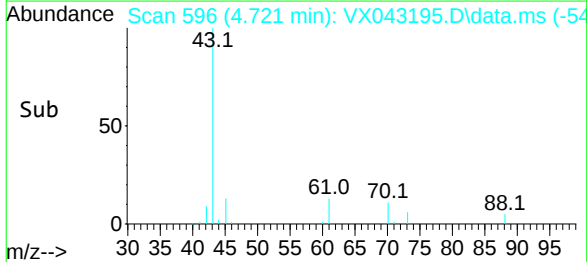
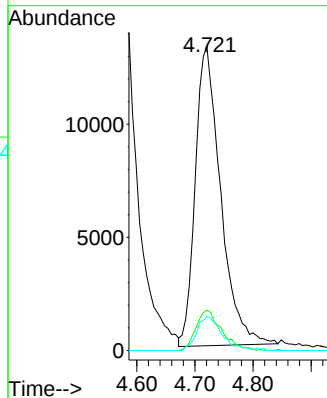
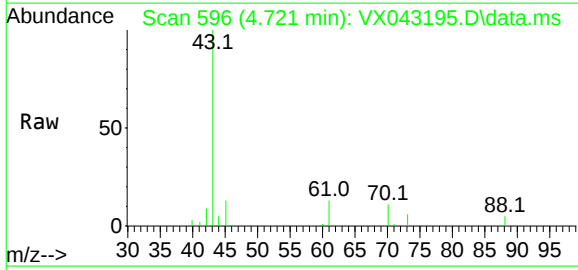
Instrument :

MSVOA_X

ClientSampleId :

50415RE

Tgt Ion: 43	Resp: 40070
Ion Ratio	Lower Upper
43 100	
61 13.5	10.9 16.3
70 11.4	8.6 13.0



#40

Benzene

Concen: 31.003 ug/l

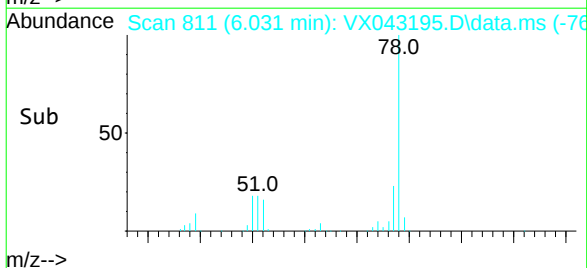
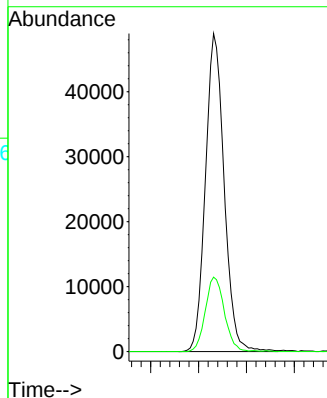
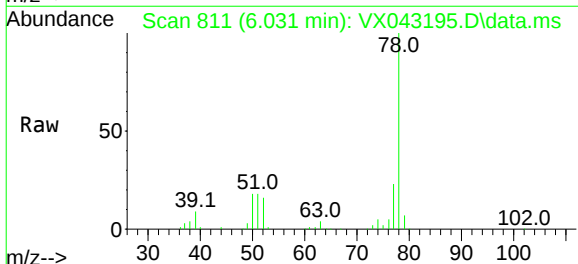
RT: 6.031 min Scan# 811

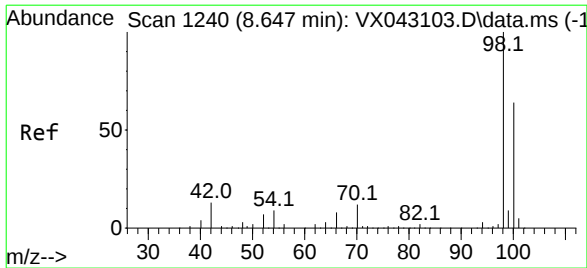
Delta R.T. -0.006 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Tgt Ion: 78	Resp: 132724
Ion Ratio	Lower Upper
78 100	
77 23.4	19.3 28.9





#50

Toluene-d8

Concen: 51.206 ug/l

RT: 8.647 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

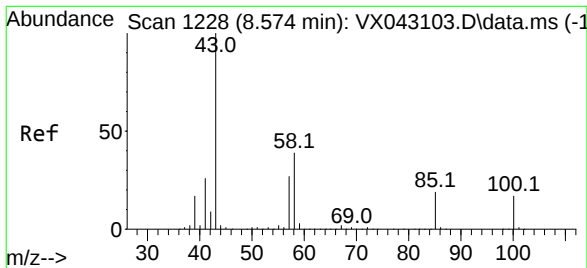
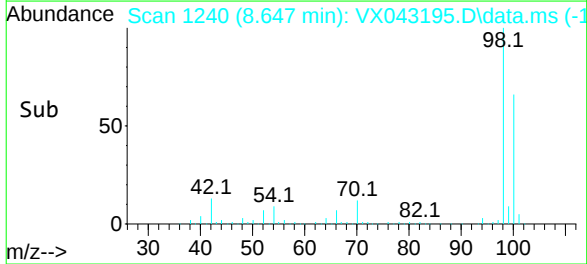
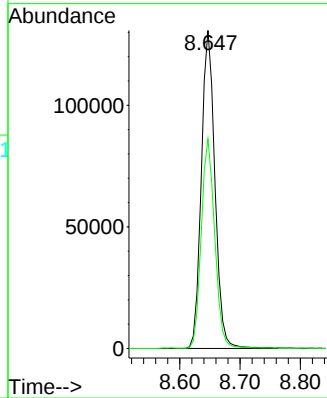
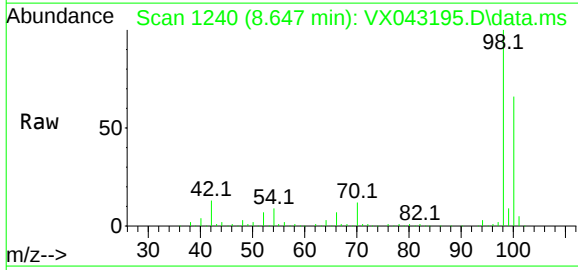
50415RE

Tgt Ion: 98 Resp: 204552

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.587 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX043195.D

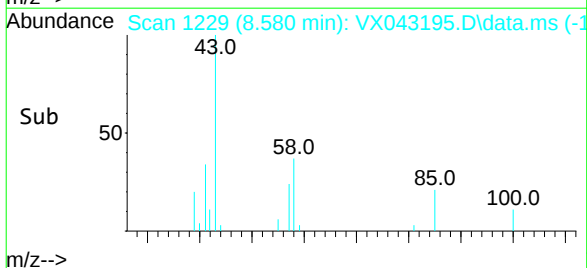
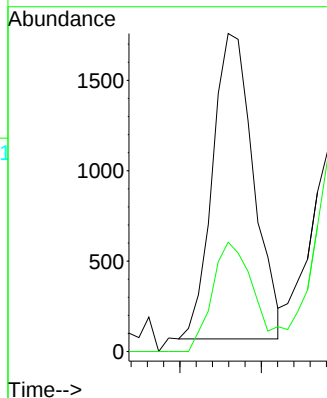
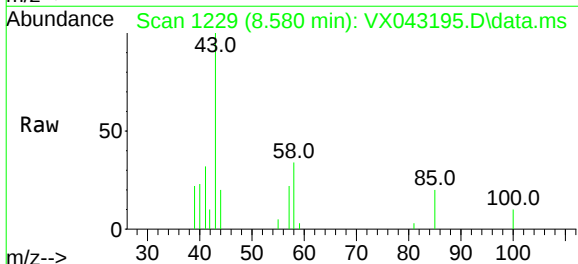
Acq: 30 Sep 2024 13:55

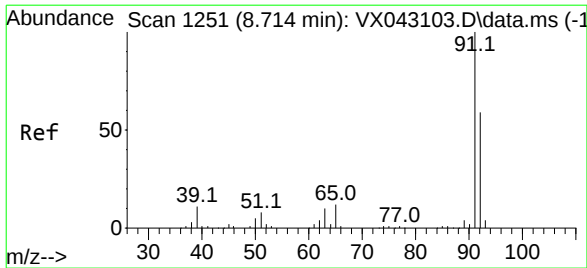
Tgt Ion: 43 Resp: 2968

Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5





#52

Toluene

Concen: 81.816 ug/l

RT: 8.714 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX043195.D

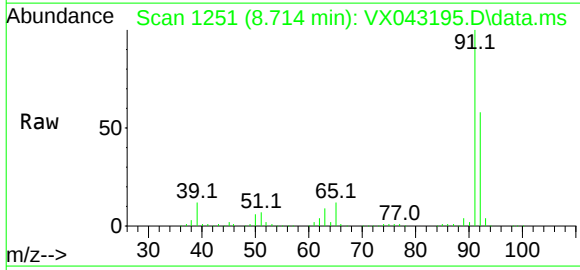
Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

50415RE

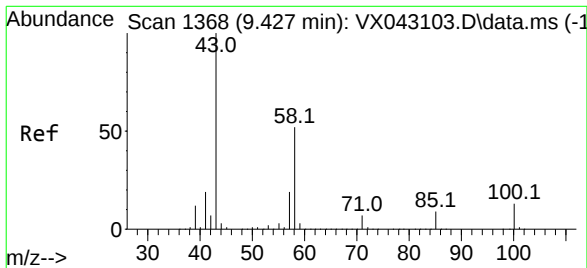
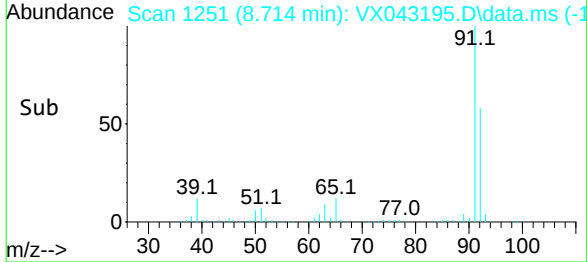
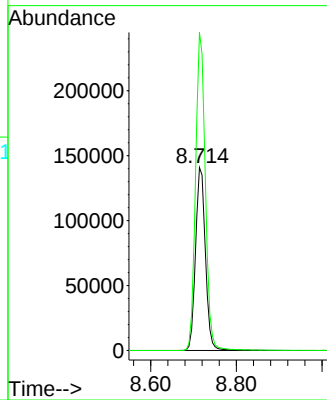


Tgt Ion: 92 Resp: 225570

Ion Ratio Lower Upper

92 100

91 172.1 135.9 203.9



#59

2-Hexanone

Concen: 4.655 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX043195.D

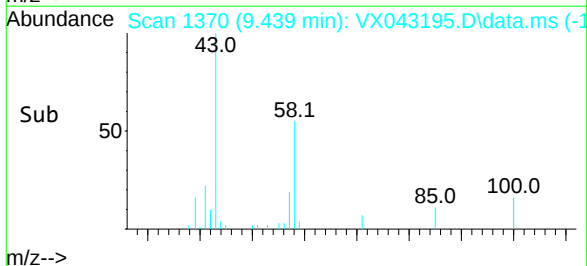
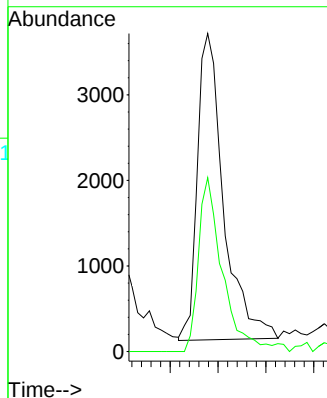
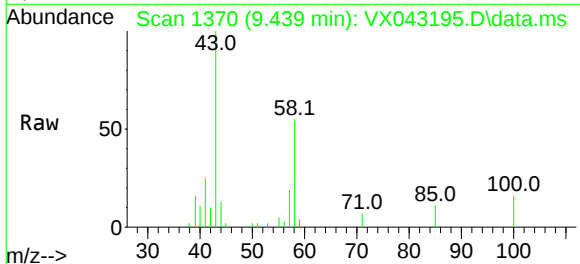
Acq: 30 Sep 2024 13:55

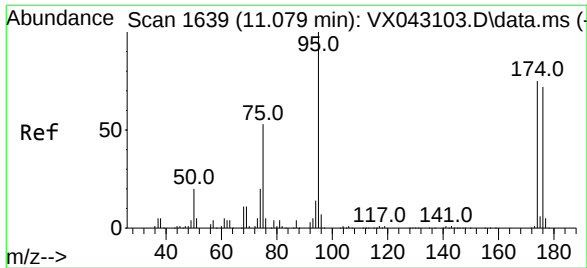
Tgt Ion: 43 Resp: 6806

Ion Ratio Lower Upper

43 100

58 52.5 26.1 78.2





#62

4-Bromofluorobenzene

Concen: 47.289 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043195.D

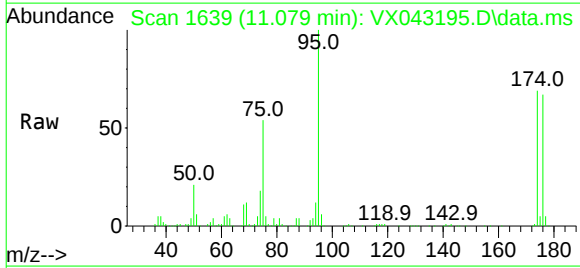
Acq: 30 Sep 2024 13:55

Instrument :

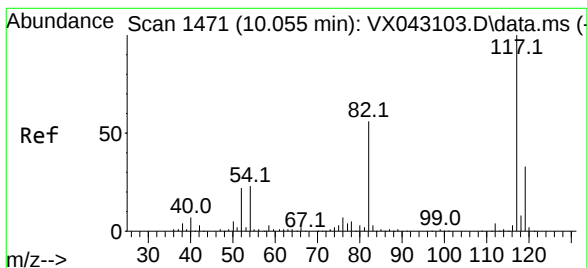
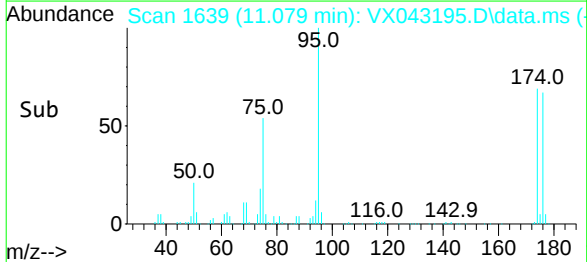
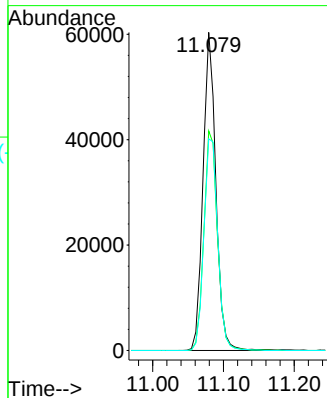
MSVOA_X

ClientSampleId :

50415RE



Tgt Ion:	95	Resp:	76074
Ion Ratio	100		
Lower	0.0		
Upper	146.0		
174	72.9	0.0	142.6
176	72.0	0.0	



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

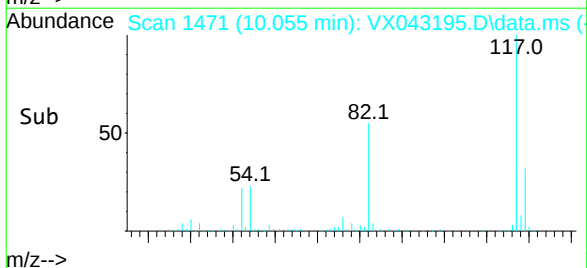
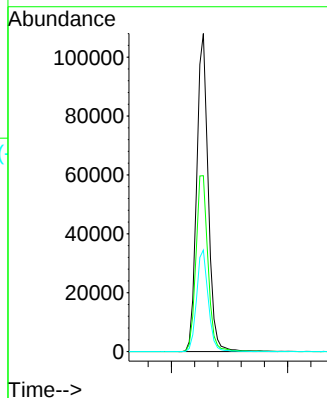
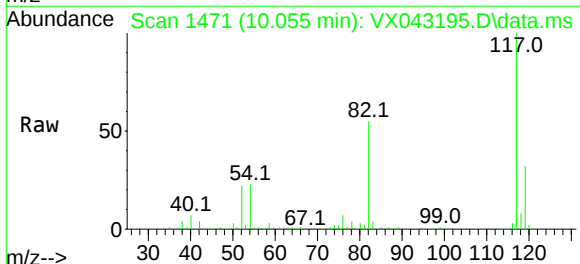
RT: 10.055 min Scan# 1471

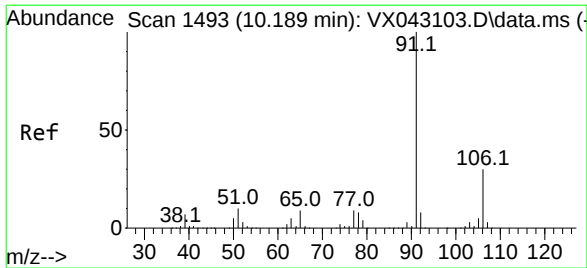
Delta R.T. -0.000 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Tgt Ion:	117	Resp:	148722
Ion Ratio	100		
Lower	44.7		
Upper	67.1		
82	55.3	26.3	39.5
119	31.9		





#67

Ethyl Benzene

Concen: 10.276 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

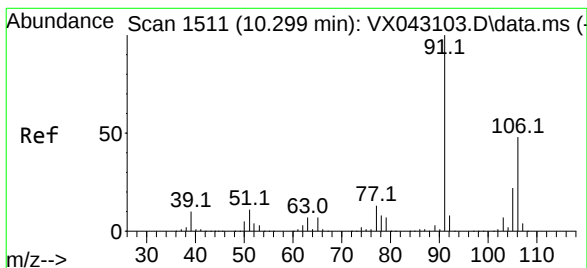
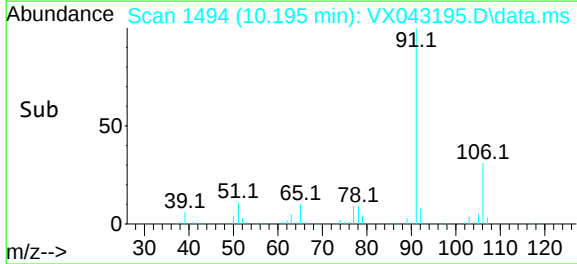
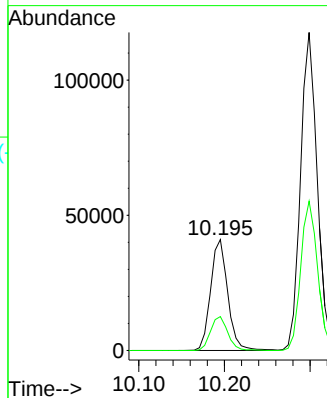
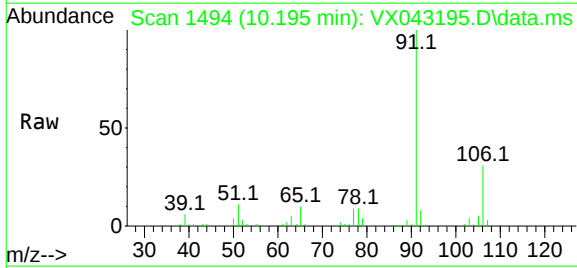
50415RE

Tgt Ion: 91 Resp: 57030

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.4



#68

m/p-Xylenes

Concen: 36.999 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043195.D

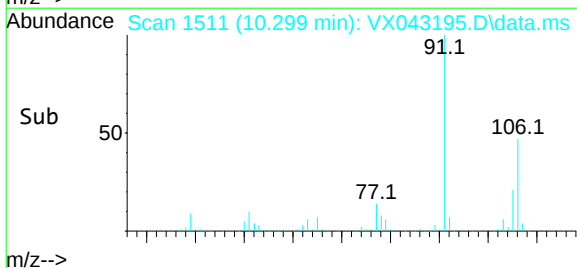
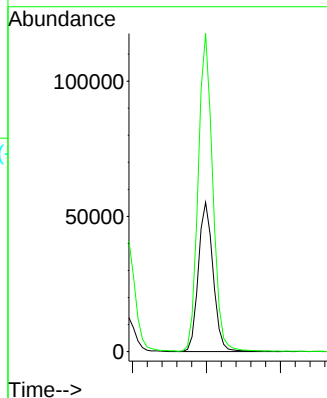
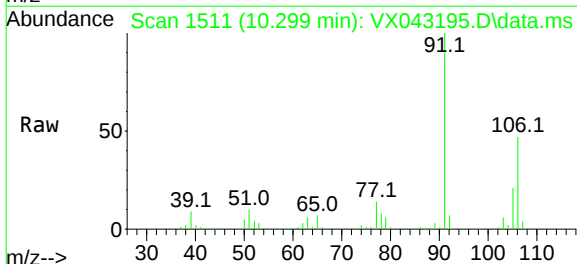
Acq: 30 Sep 2024 13:55

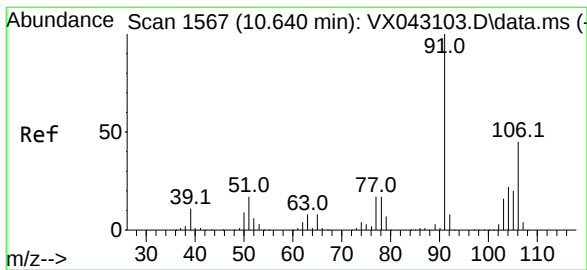
Tgt Ion: 106 Resp: 76415

Ion Ratio Lower Upper

106 100

91 210.2 167.5 251.3





#69

o-Xylene

Concen: 23.564 ug/l

RT: 10.640 min Scan# 15

Delta R.T. -0.000 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

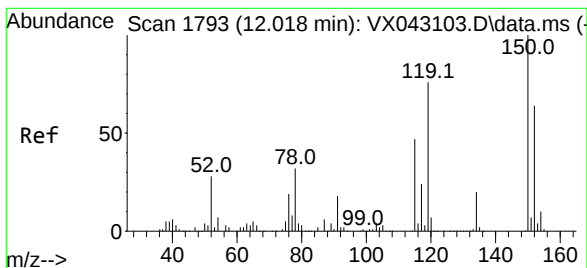
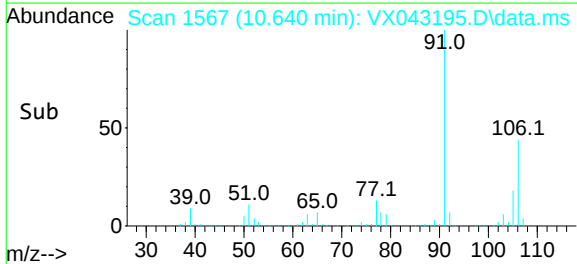
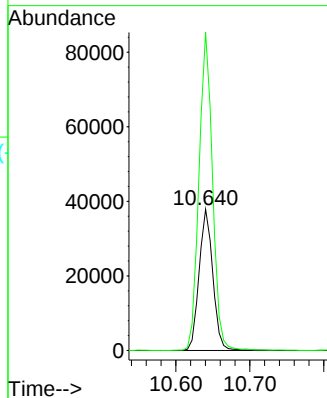
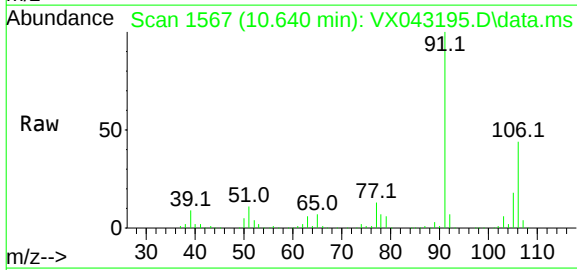
50415RE

Tgt Ion:106 Resp: 48813

Ion Ratio Lower Upper

106 100

91 222.6 112.5 337.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

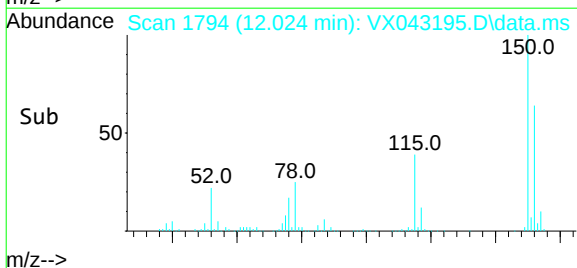
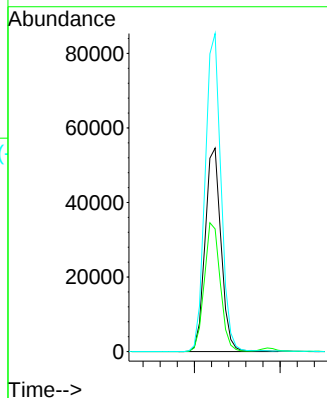
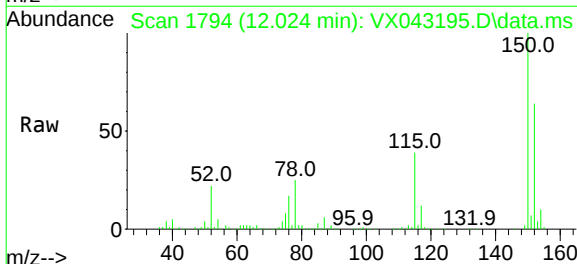
Tgt Ion:152 Resp: 70610

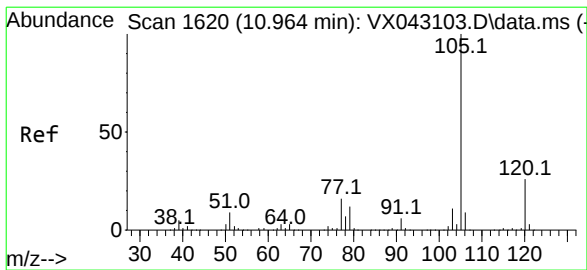
Ion Ratio Lower Upper

152 100

115 63.1 43.7 131.1

150 155.1 0.0 344.6





#73

Isopropylbenzene

Concen: 0.559 ug/l

RT: 10.963 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

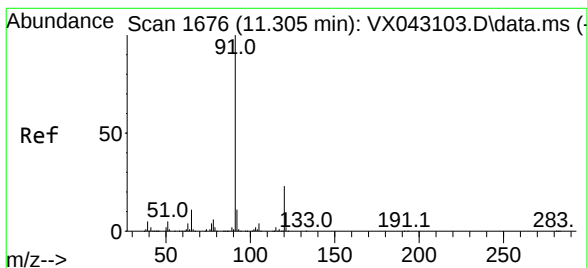
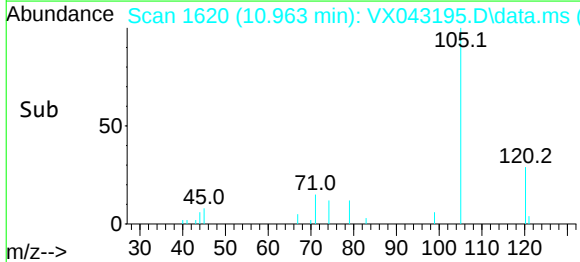
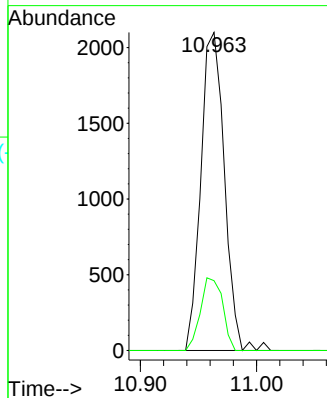
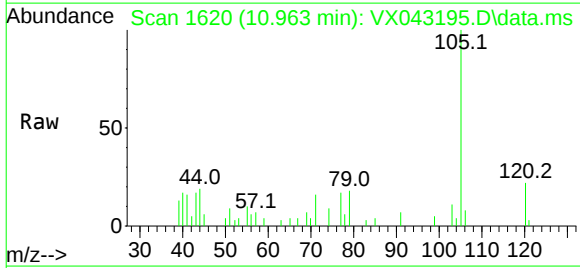
50415RE

Tgt Ion:105 Resp: 2961

Ion Ratio Lower Upper

105 100

120 21.4 13.0 39.0



#78

n-propylbenzene

Concen: 1.226 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX043195.D

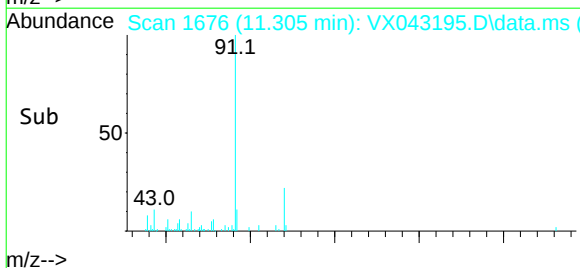
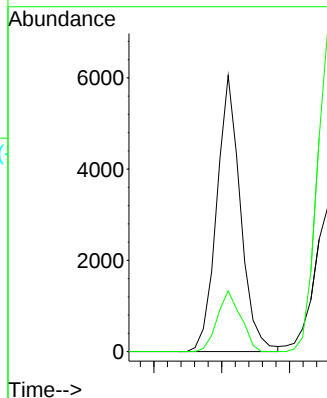
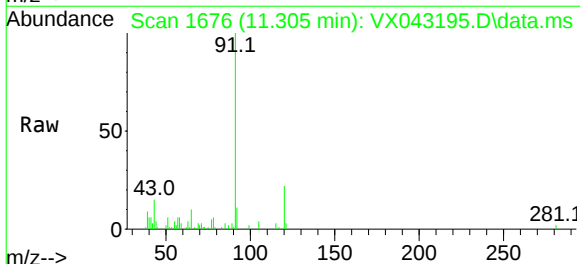
Acq: 30 Sep 2024 13:55

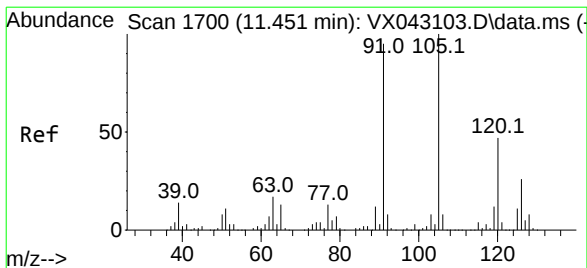
Tgt Ion: 91 Resp: 7367

Ion Ratio Lower Upper

91 100

120 21.6 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 2.999 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043195.D

Acq: 30 Sep 2024 13:55

Instrument :

MSVOA_X

ClientSampleId :

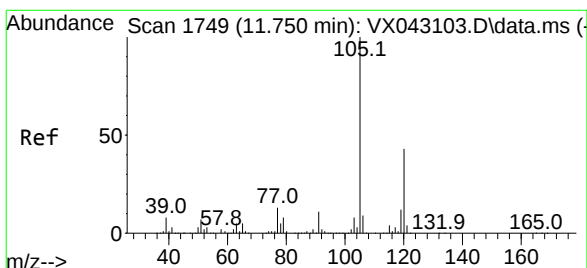
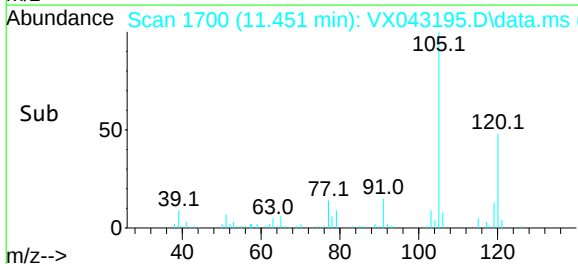
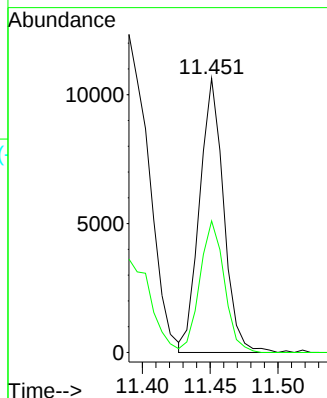
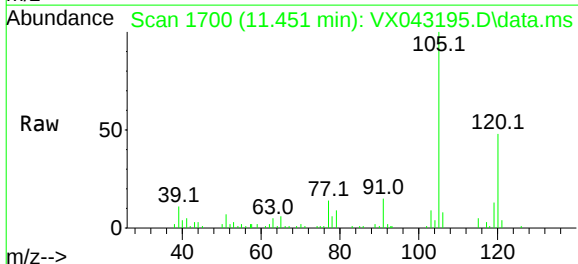
50415RE

Tgt Ion:105 Resp: 13140

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5



#84

1,2,4-Trimethylbenzene

Concen: 12.230 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043195.D

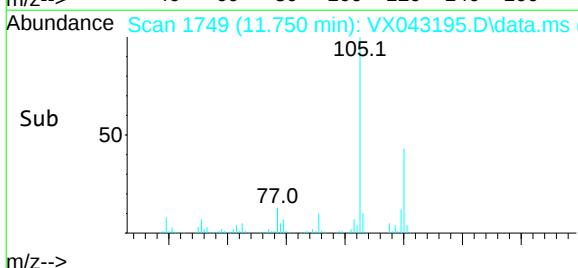
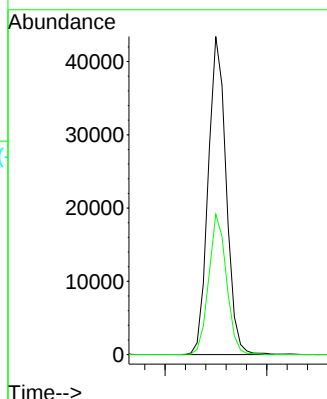
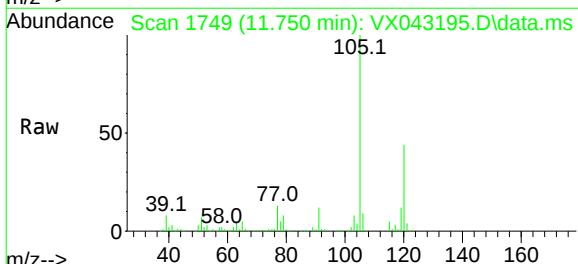
Acq: 30 Sep 2024 13:55

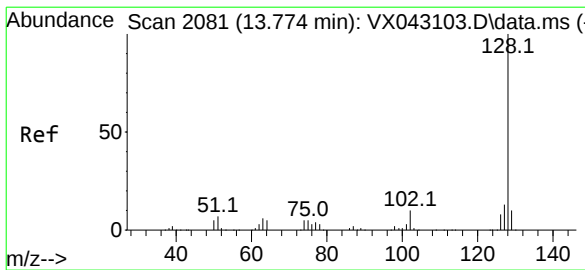
Tgt Ion:105 Resp: 53308

Ion Ratio Lower Upper

105 100

120 43.5 21.8 65.4

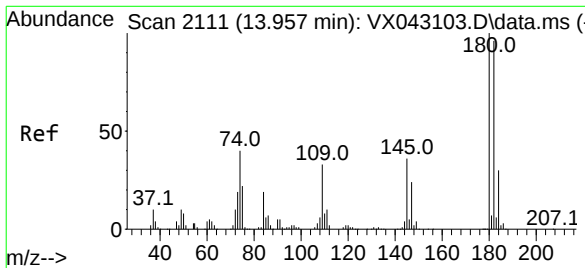
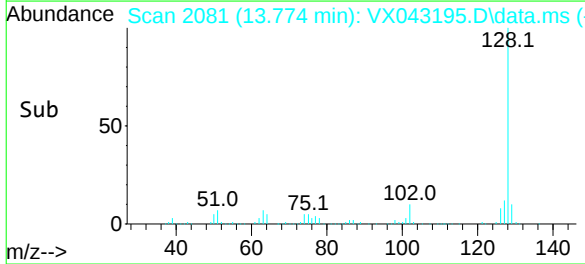
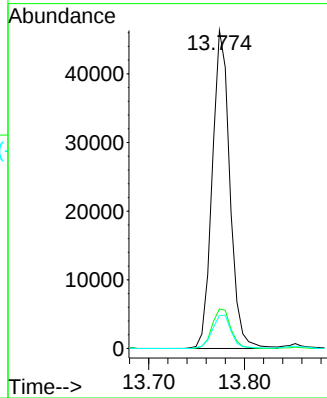
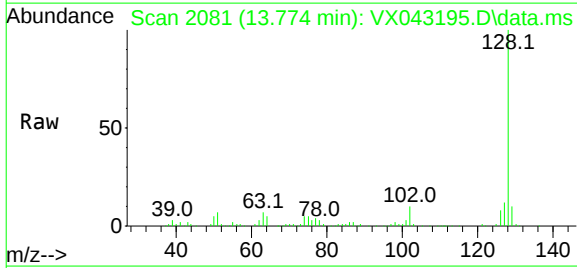




#95
Naphthalene
Concen: 12.062 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Instrument :
MSVOA_X
ClientSampleId :
50415RE

Tgt Ion:	128	Resp:	59334
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.558 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX043195.D
Acq: 30 Sep 2024 13:55

Tgt Ion:	180	Resp:	784
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.4
145	53.8	17.7	53.1#

