

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041523\
 Data File : VX035075.D
 Acq On : 14 Apr 2023 12:02
 Operator : JC/MD
 Sample : 02346-03
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

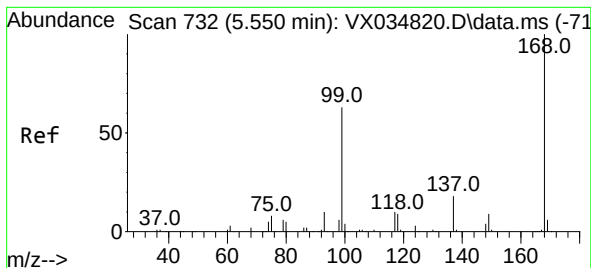
Instrument :
 MSVOA_X
 ClientSampleId :
 32123

Quant Time: Apr 17 05:07:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	296830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	503571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	199778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	190944	42.062	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.120%		
35) Dibromofluoromethane	5.385	113	142037	42.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.280%		
50) Toluene-d8	8.647	98	595798	48.463	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.920%		
62) 4-Bromofluorobenzene	11.085	95	218817	45.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	521	0.218	ug/l	95
11) Tert butyl alcohol	2.940	59	501	0.629	ug/l #	73
13) Acrolein	2.239	56	494	0.603	ug/l #	59
15) Acrylonitrile	3.099	53	484	0.270	ug/l #	31
20) Methylene Chloride	2.782	84	1002	0.275	ug/l #	70
25) 2-Butanone	4.629	43	2336	0.871	ug/l #	74
29) Tetrahydrofuran	5.056	42	1706	1.015	ug/l #	81
31) Cyclohexane	5.537	56	6614	1.197	ug/l #	14
36) 1,1-Dichloropropene	5.537	75	25118	5.090	ug/l #	49
37) Ethyl Acetate	4.629	43	2336	0.453	ug/l #	70
38) Carbon Tetrachloride	5.544	117	30312	6.515	ug/l #	16
43) Isopropyl Acetate	6.373	43	1986	0.230	ug/l #	62
76) 1,2,3-Trichloropropane	11.085	75	108443	26.940	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.085	75	108443	80.737	ug/l #	8
85) sec-Butylbenzene	11.896	105	3204	0.229	ug/l	96
86) p-Isopropyltoluene	12.012	119	2479	0.213	ug/l #	68
89) n-Butylbenzene	12.335	91	4166	0.409	ug/l	99
93) 1,2,4-Trichlorobenzene	13.597	180	1662	0.444	ug/l #	82
94) Hexachlorobutadiene	13.725	225	2602	1.582	ug/l	96
95) Naphthalene	13.780	128	3434	0.258	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.963	180	1800	0.477	ug/l #	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

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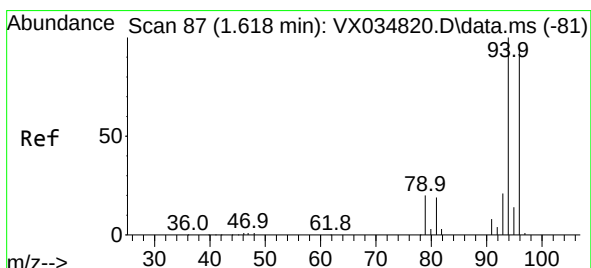
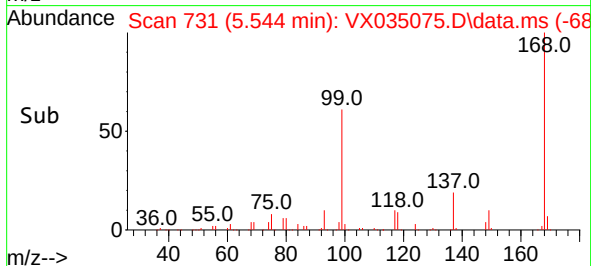
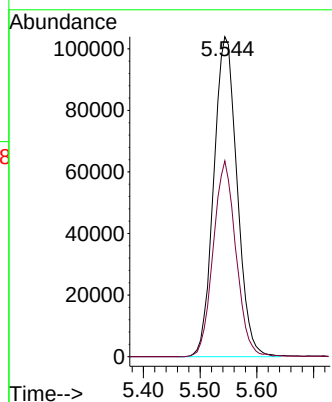
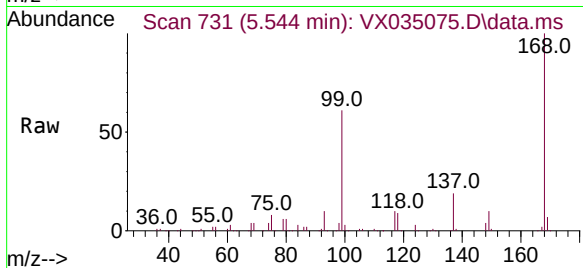
32123

Tgt Ion:168 Resp: 296830

Ion Ratio Lower Upper

168 100

99 61.2 45.7 68.5



#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.617 min Scan# 87

Delta R.T. -0.000 min

Lab File: VX035075.D

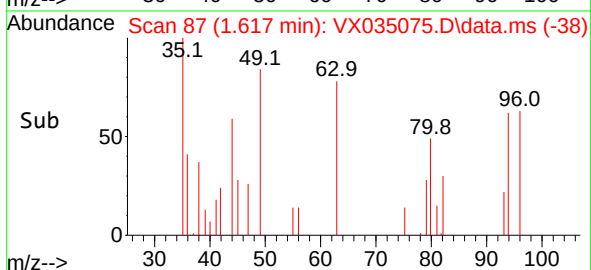
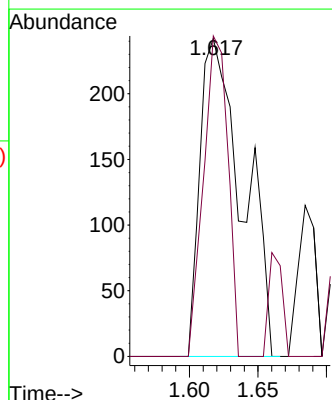
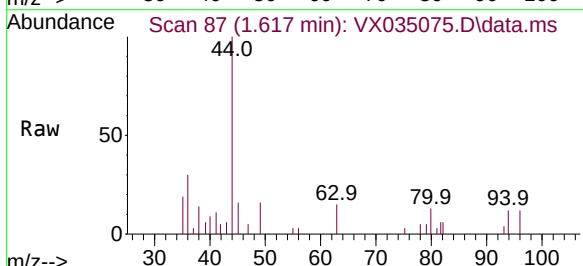
Acq: 14 Apr 2023 12:02

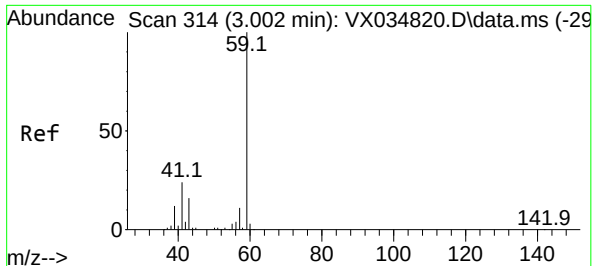
Tgt Ion: 94 Resp: 521

Ion Ratio Lower Upper

94 100

96 100.8 77.0 115.6





#11

Tert butyl alcohol

Concen: 0.629 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.061 min

Lab File: VX035075.D

Acq: 14 Apr 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

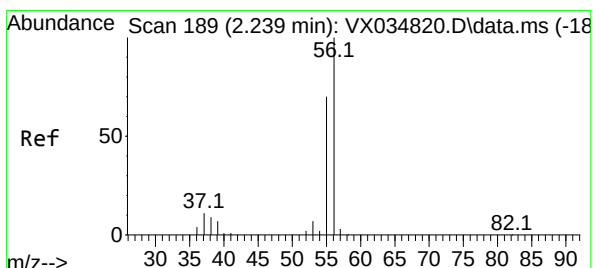
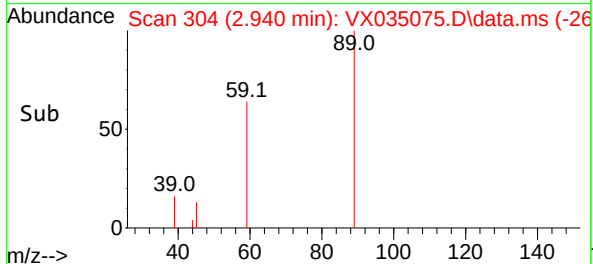
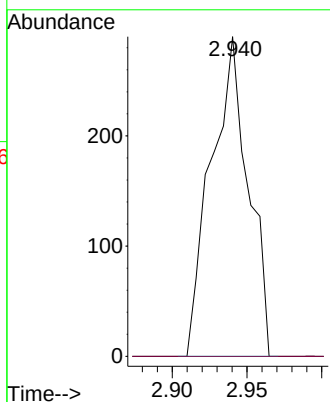
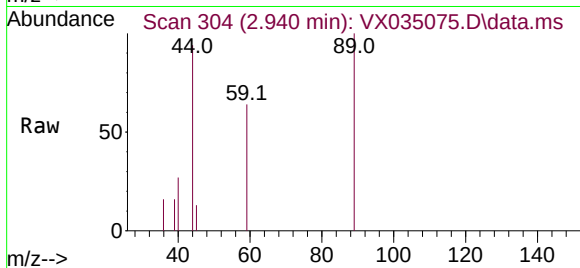
32123

Tgt Ion: 59 Resp: 501

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.603 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX035075.D

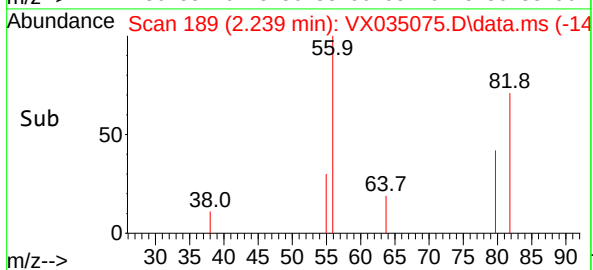
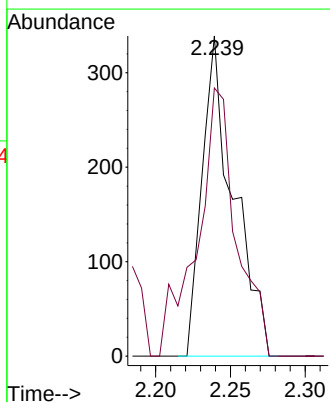
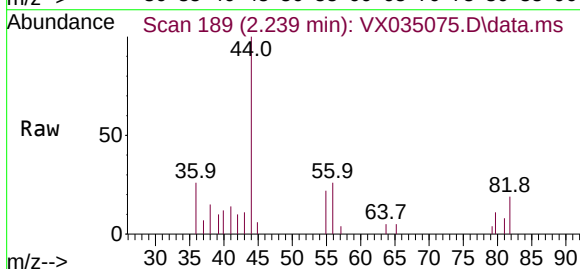
Acq: 14 Apr 2023 12:02

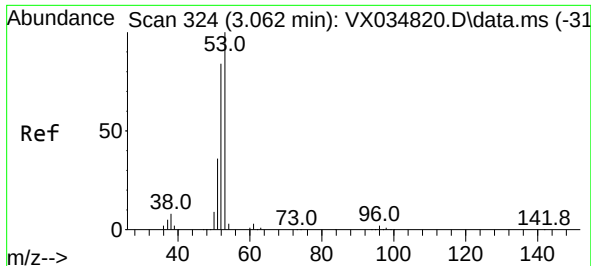
Tgt Ion: 56 Resp: 494

Ion Ratio Lower Upper

56 100

55 104.9 56.6 85.0#





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.036 min

Lab File: VX035075.D

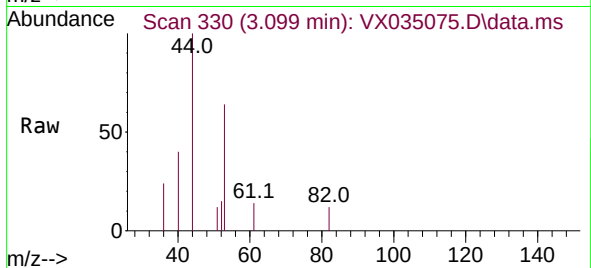
Acq: 14 Apr 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

32123



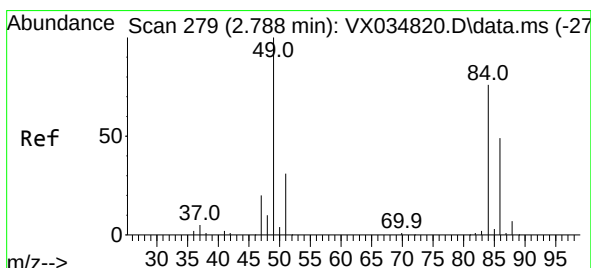
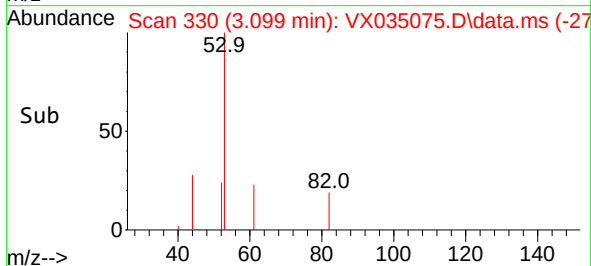
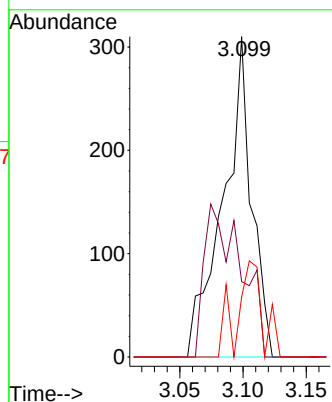
Tgt Ion: 53 Resp: 484

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 27.1 28.3 42.5#



#20

Methylene Chloride

Concen: 0.275 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX035075.D

Acq: 14 Apr 2023 12:02

Tgt Ion: 84 Resp: 1002

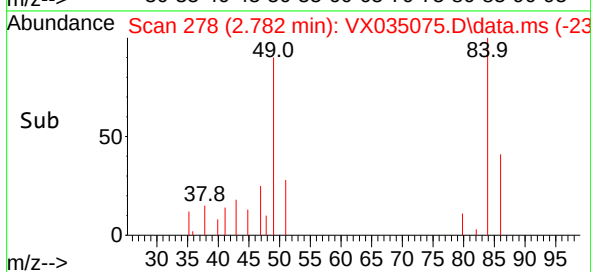
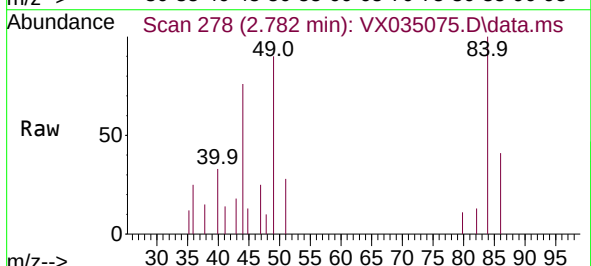
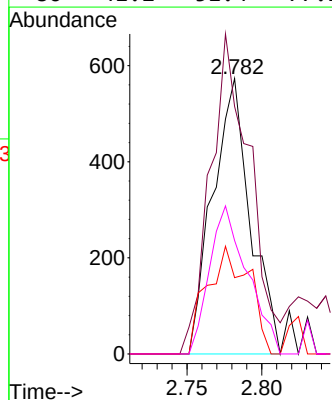
Ion Ratio Lower Upper

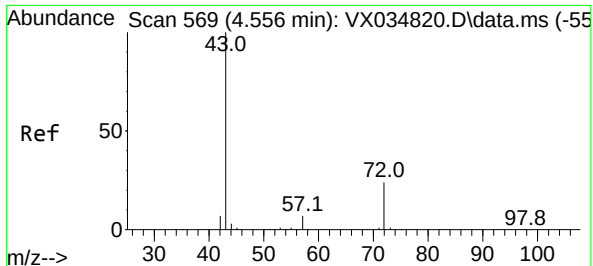
84 100

49 89.9 103.8 155.8#

51 27.7 31.8 47.8#

86 41.2 51.4 77.2#

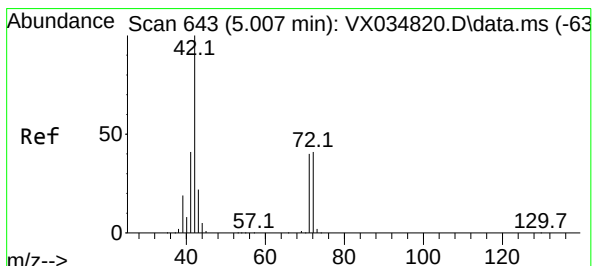
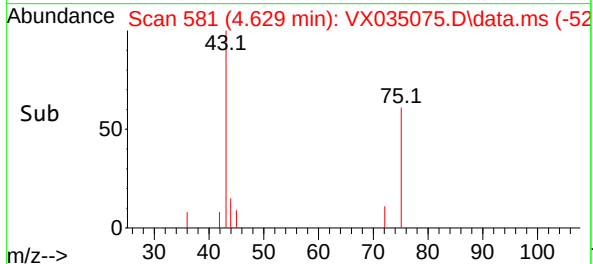
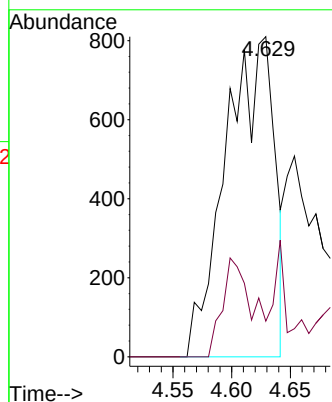
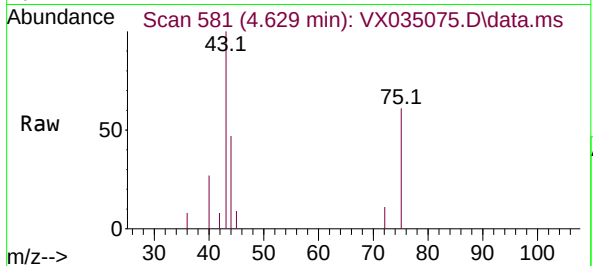




#25
2-Butanone
Concen: 0.871 ug/l
RT: 4.629 min Scan# 51
Delta R.T. 0.073 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

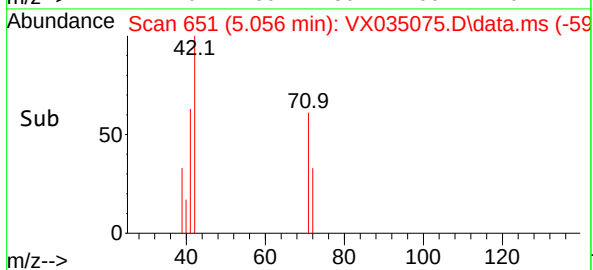
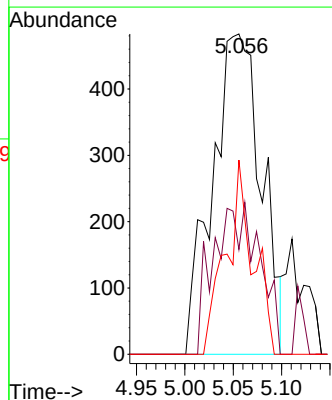
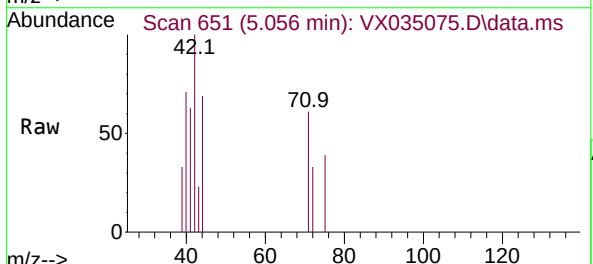
Instrument :
MSVOA_X
ClientSampleId :
32123

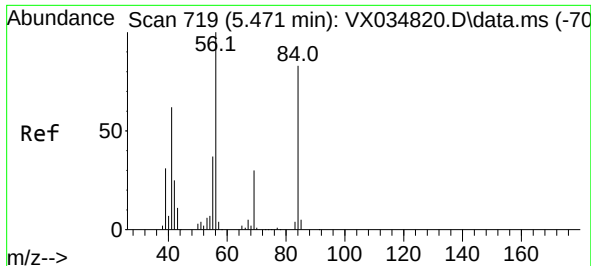
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
72 11.1 19.3 28.9#



#29
Tetrahydrofuran
Concen: 1.015 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.049 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 42 Resp: 1706
Ion Ratio Lower Upper
42 100
72 25.3 34.5 51.7#
71 33.8 32.1 48.1

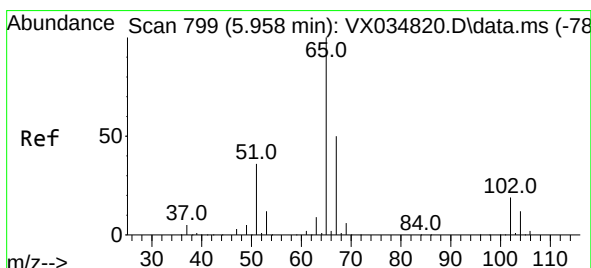
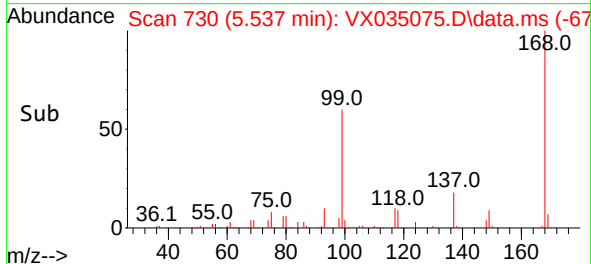
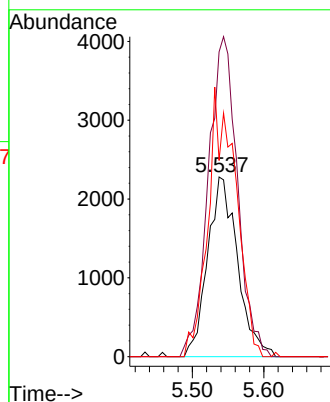
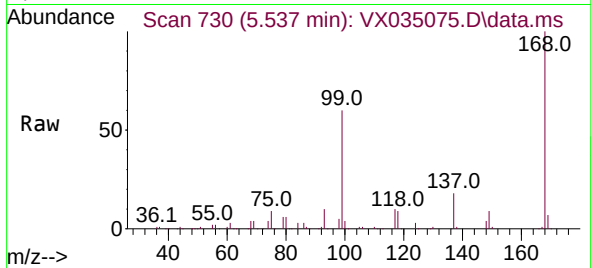




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 5.537 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

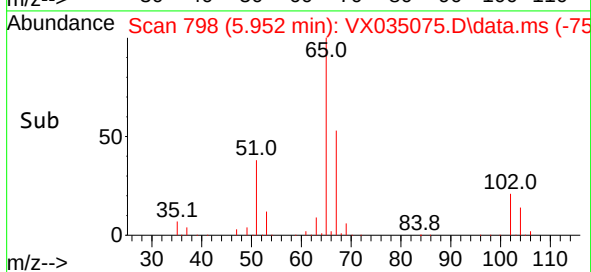
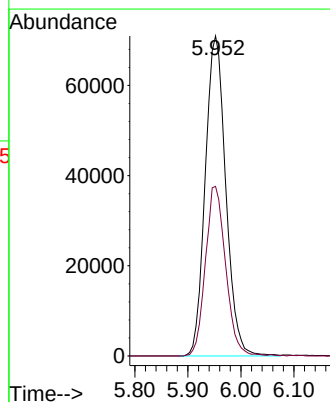
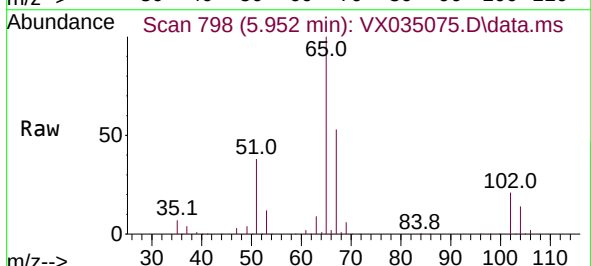
Instrument :
MSVOA_X
ClientSampleId :
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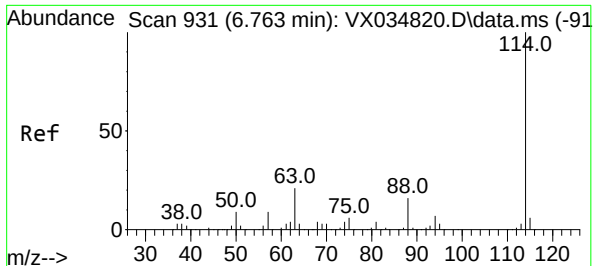
Tgt Ion: 56 Resp: 6614
Ion Ratio Lower Upper
56 100
69 169.6 23.7 35.5#
84 109.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 42.062 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 65 Resp: 190944
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

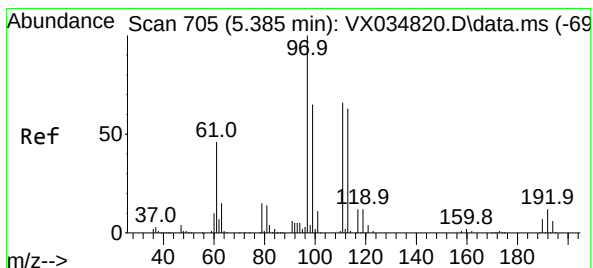
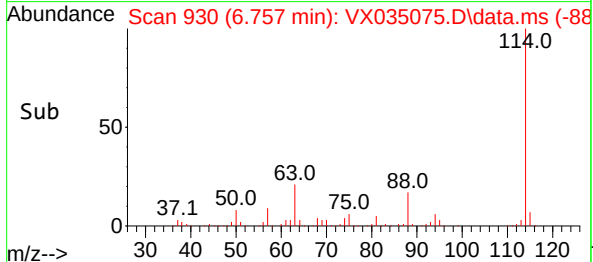
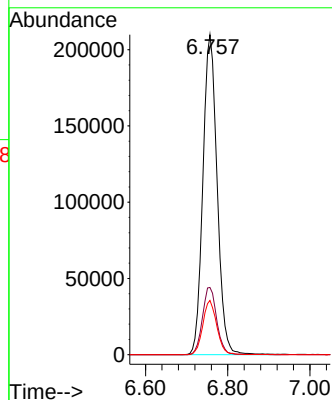
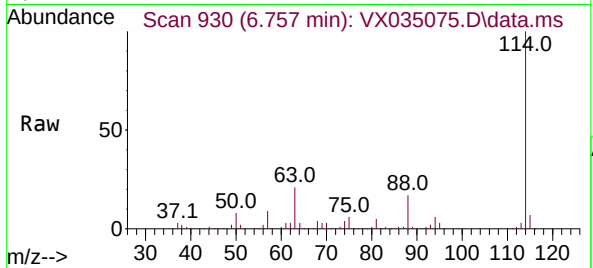




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

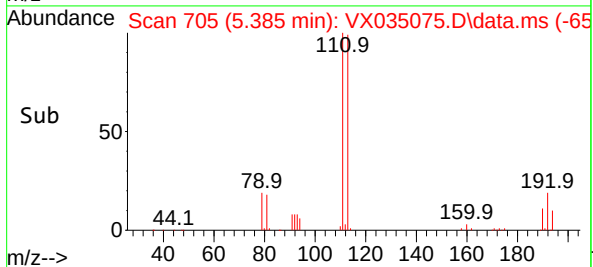
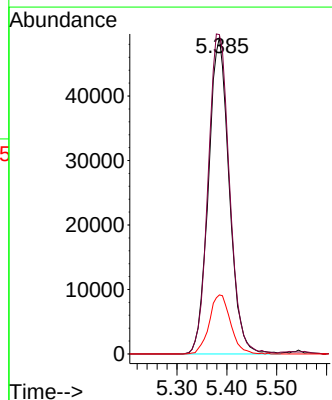
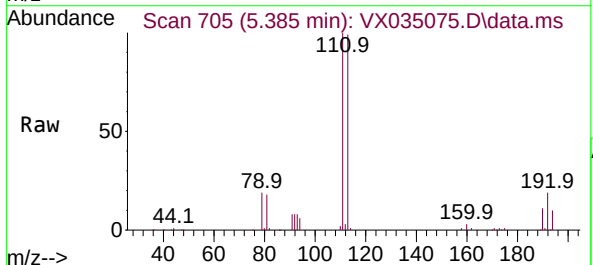
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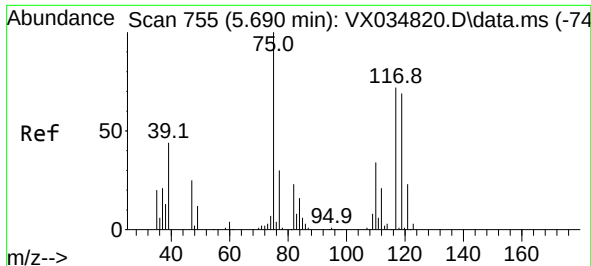
Tgt Ion:114 Resp: 503571
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.2
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 42.645 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion:113 Resp: 142037
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 19.1 15.4 23.2

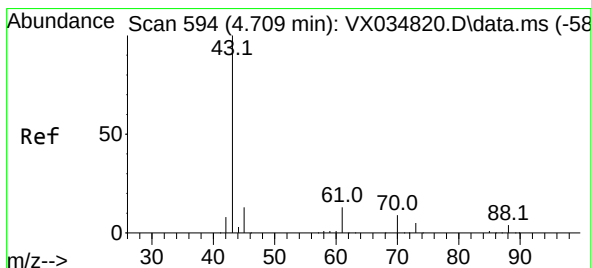
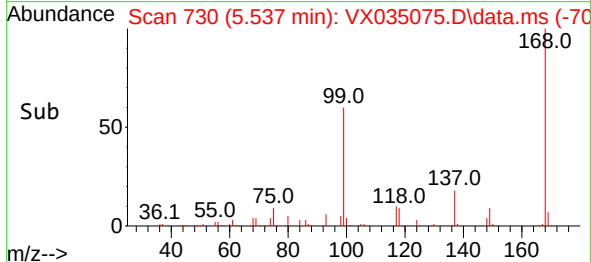
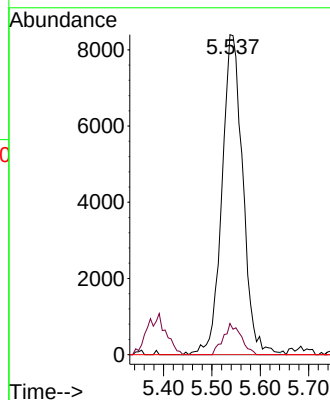
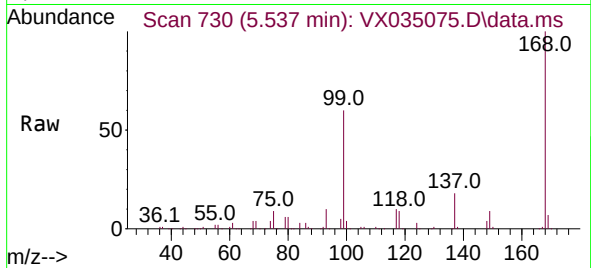




#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

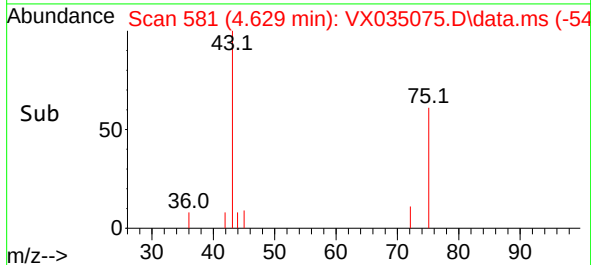
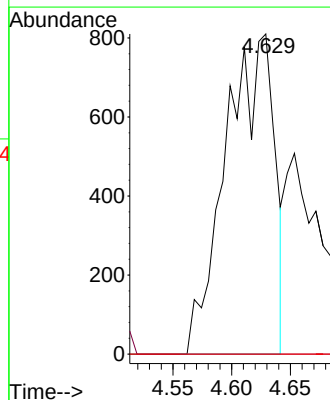
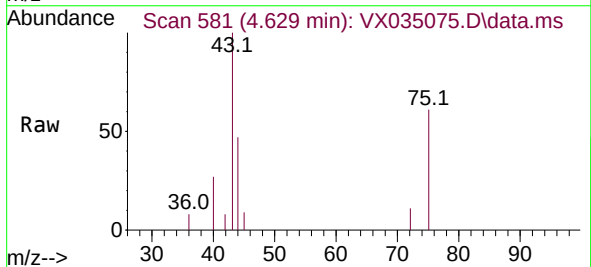
Instrument :
MSVOA_X
ClientSampleId :
32123

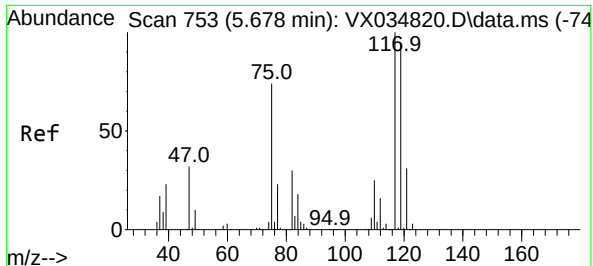
Tgt Ion: 75 Resp: 25118
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.453 ug/l
RT: 4.629 min Scan# 581
Delta R.T. -0.079 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#

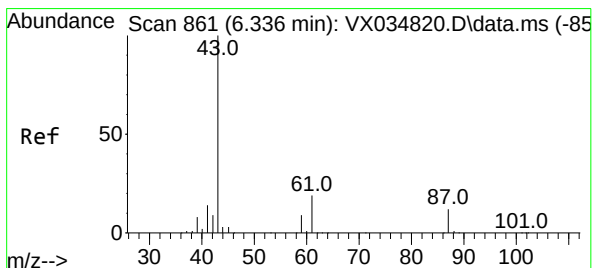
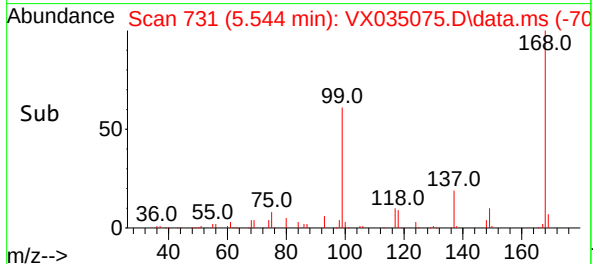
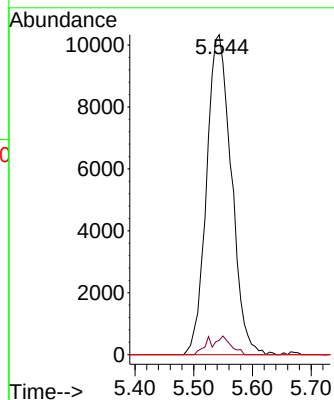
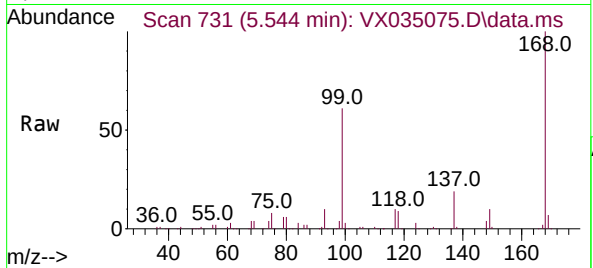




#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

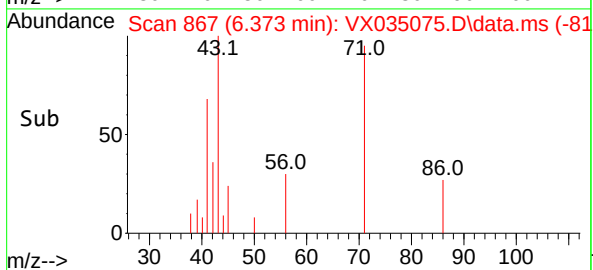
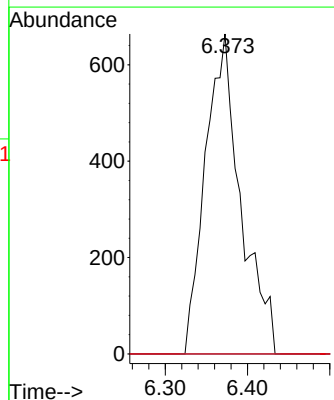
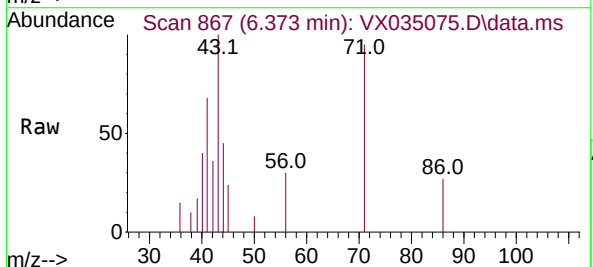
Instrument :
MSVOA_X
ClientSampleId :
32123

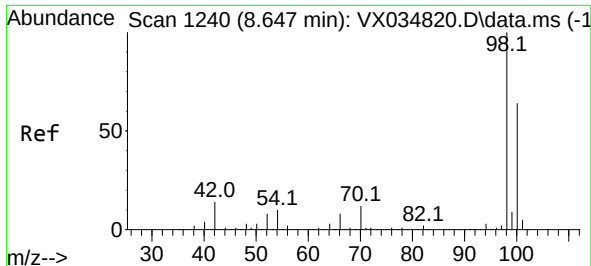
Tgt Ion:117 Resp: 30312
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 0.230 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.036 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.8#

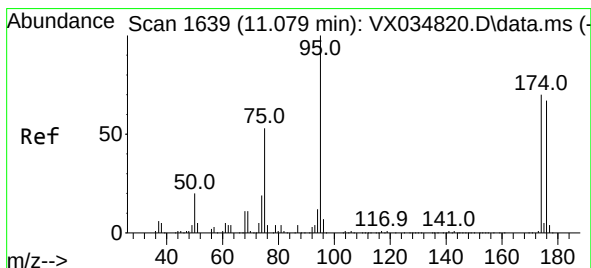
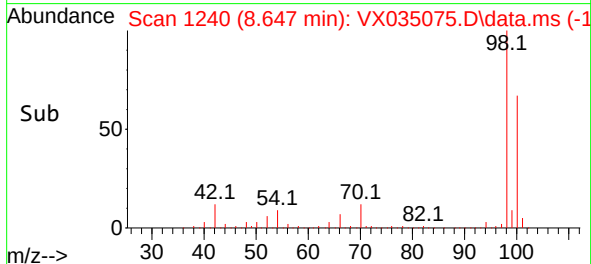
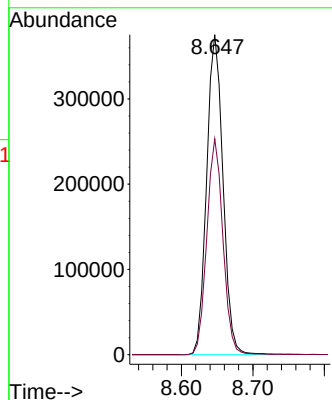
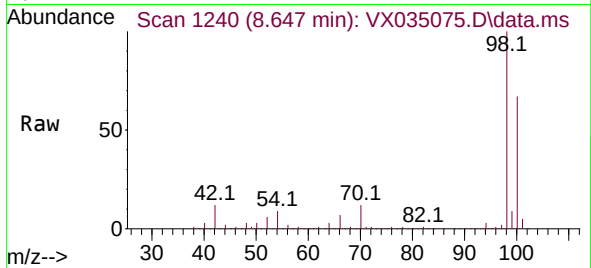




#50
Toluene-d8
Concen: 48.463 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

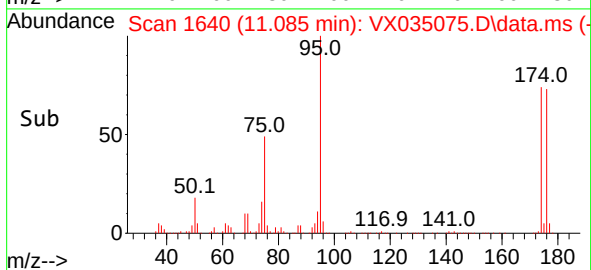
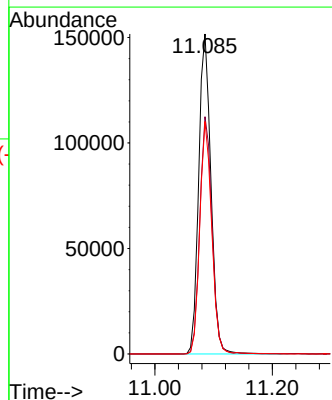
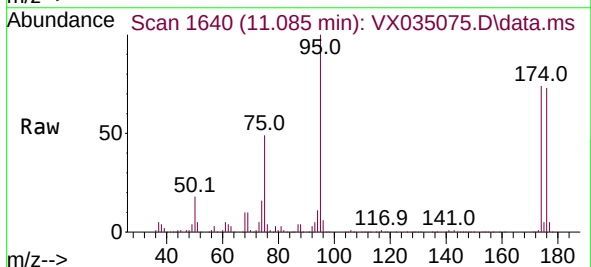
Instrument :
MSVOA_X
ClientSampleId :
32123

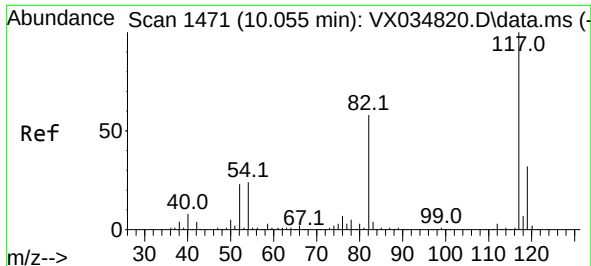
Tgt Ion: 98 Resp: 595798
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 45.995 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 95 Resp: 218817
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.4
176 71.0 0.0 140.6

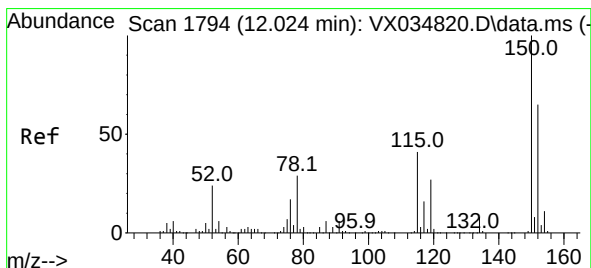
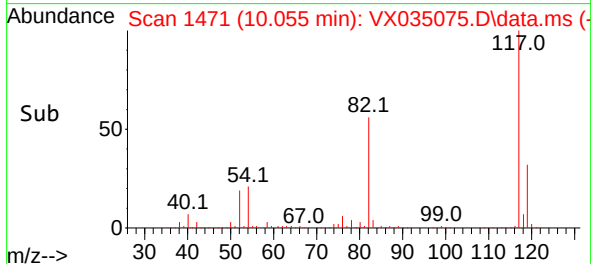
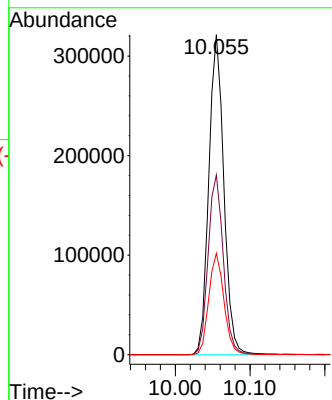
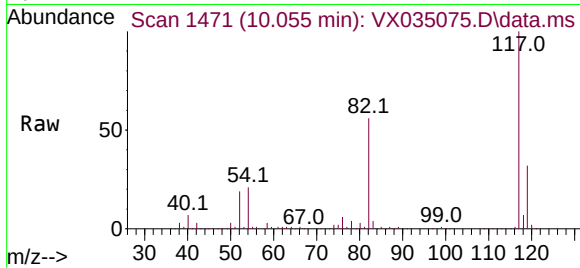




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

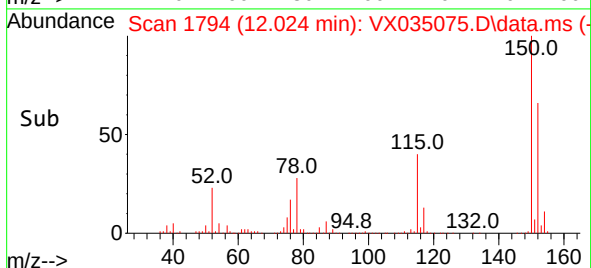
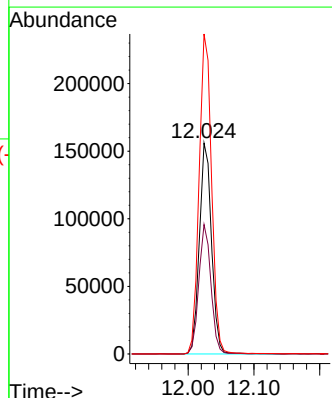
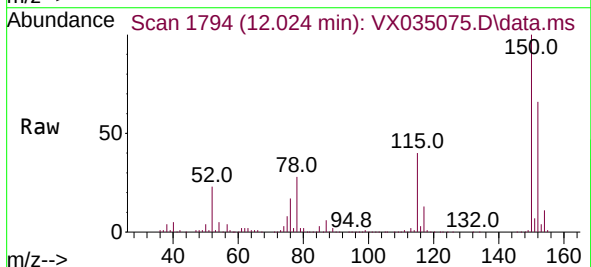
Instrument :
MSVOA_X
ClientSampleId :
32123

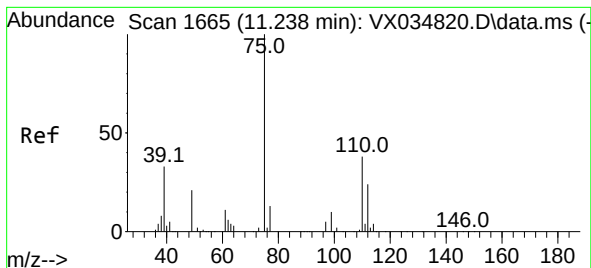
Tgt Ion:117 Resp: 449393
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion:152 Resp: 199778
Ion Ratio Lower Upper
152 100
115 61.2 45.0 135.0
150 155.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.940 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.153 min

Lab File: VX035075.D

Acq: 14 Apr 2023 12:02

Instrument :

MSVOA_X

ClientSampleId :

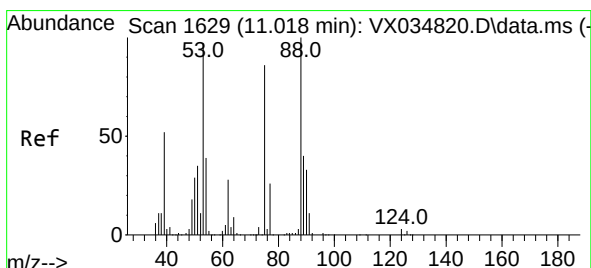
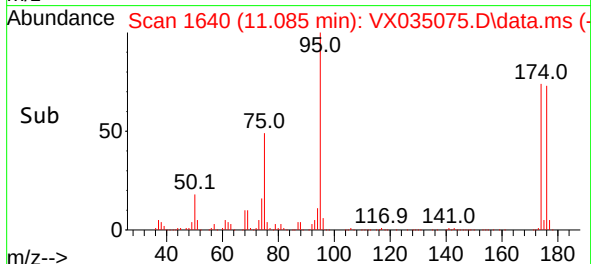
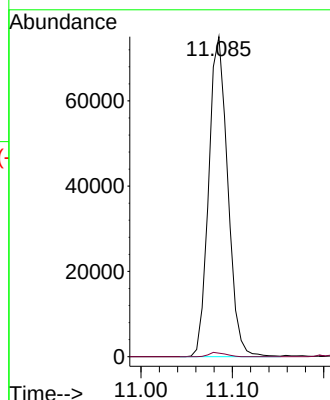
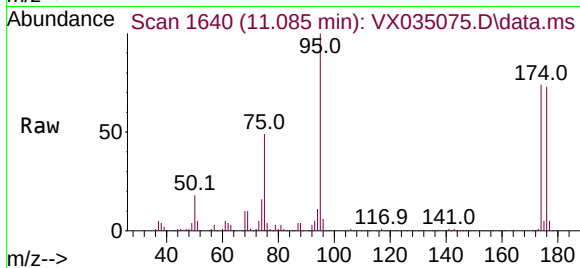
32123

Tgt Ion: 75 Resp: 108443

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.737 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX035075.D

Acq: 14 Apr 2023 12:02

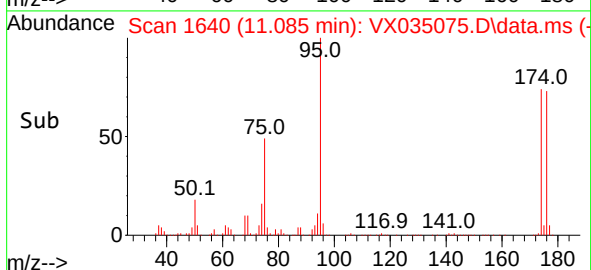
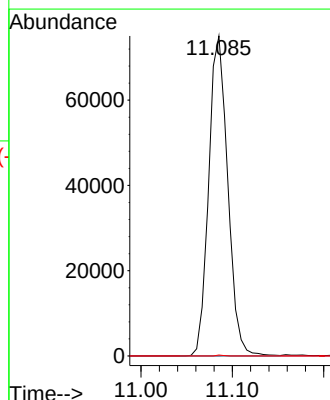
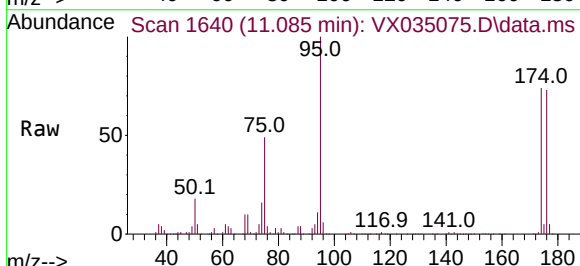
Tgt Ion: 75 Resp: 108443

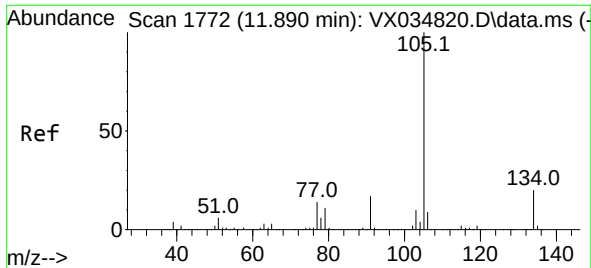
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.1 36.9 55.3#

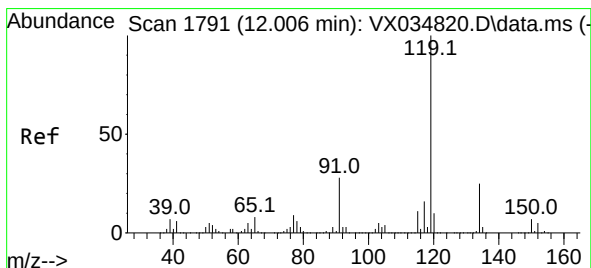
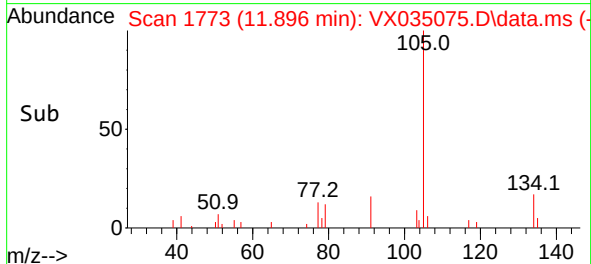
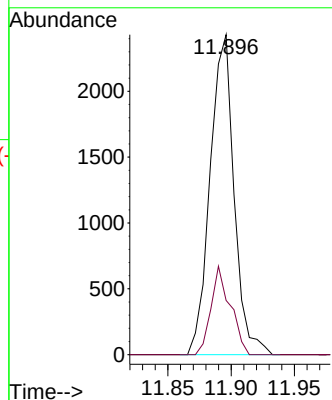
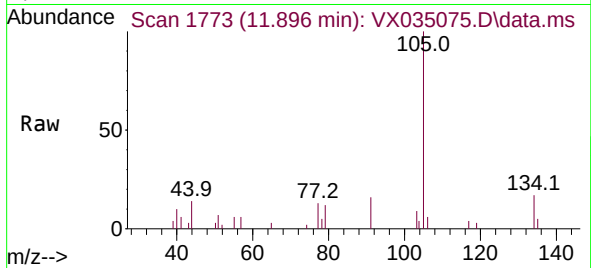




#85
 sec-Butylbenzene
 Concen: 0.229 ug/l
 RT: 11.896 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX035075.D
 Acq: 14 Apr 2023 12:02

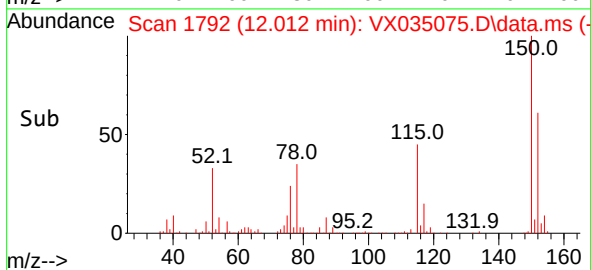
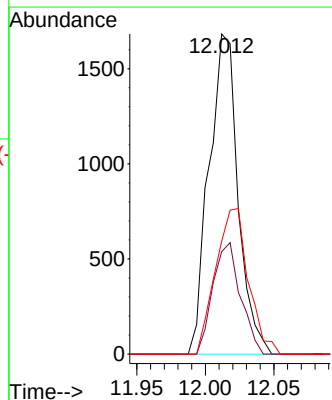
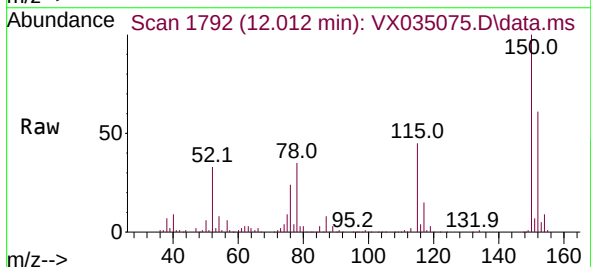
Instrument :
 MSVOA_X
 ClientSampleId :
 32123

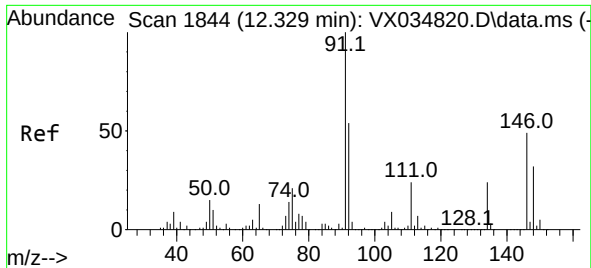
Tgt Ion:105 Resp: 3204
 Ion Ratio Lower Upper
 105 100
 134 22.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 0.213 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX035075.D
 Acq: 14 Apr 2023 12:02

Tgt Ion:119 Resp: 2479
 Ion Ratio Lower Upper
 119 100
 134 33.1 13.2 39.5
 91 51.4 12.9 38.7#

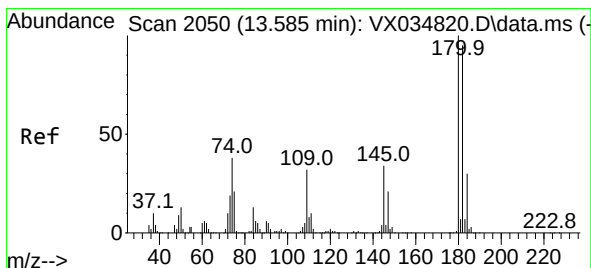
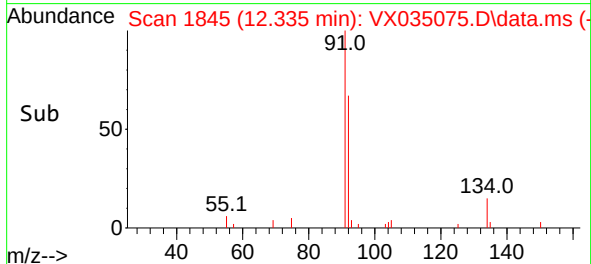
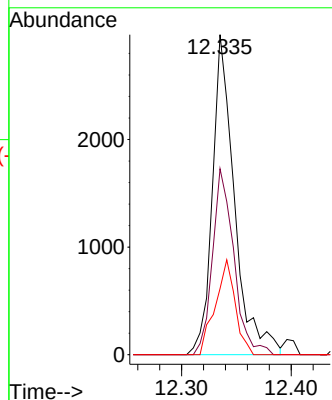
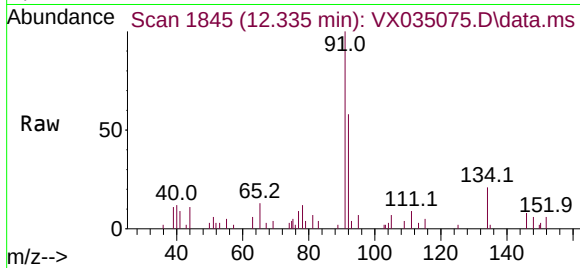




#89
n-Butylbenzene
Concen: 0.409 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

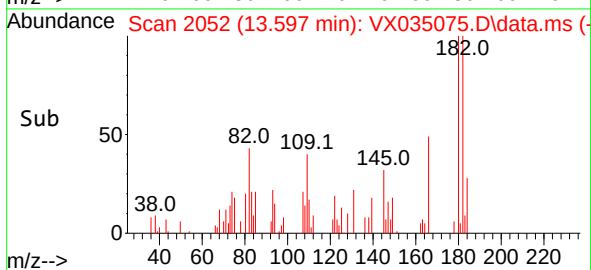
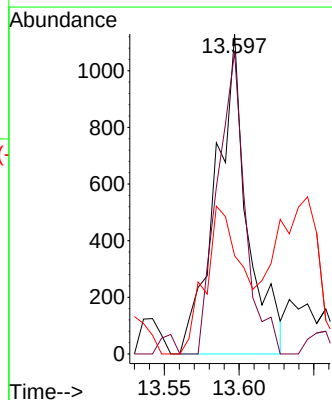
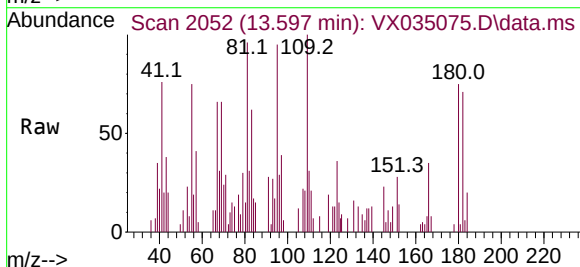
Instrument :
MSVOA_X
ClientSampleId :
32123

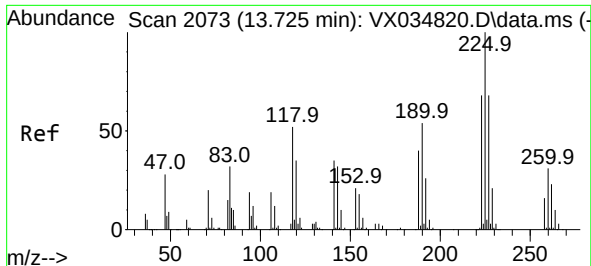
Tgt Ion: 91	Resp:	4166
Ion Ratio	Lower	Upper
91	100	
92	56.3	27.7 83.0
134	26.7	13.0 38.9



#93
1,2,4-Trichlorobenzene
Concen: 0.444 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion: 180	Resp:	1662
Ion Ratio	Lower	Upper
180	100	
182	83.3	47.0 141.0
145	52.9	15.9 47.7#

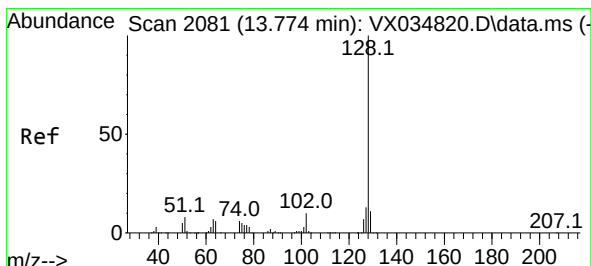
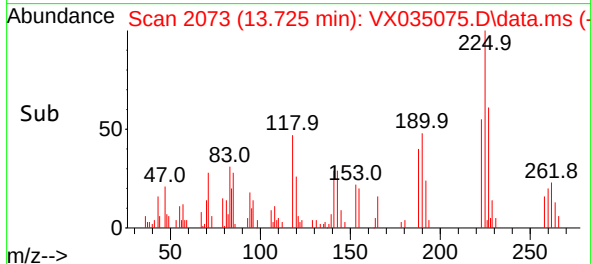
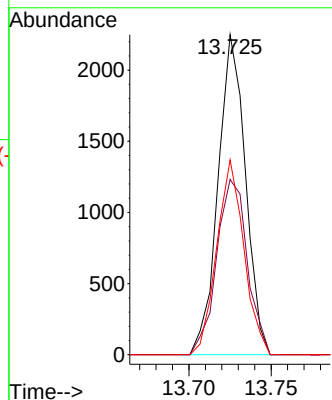
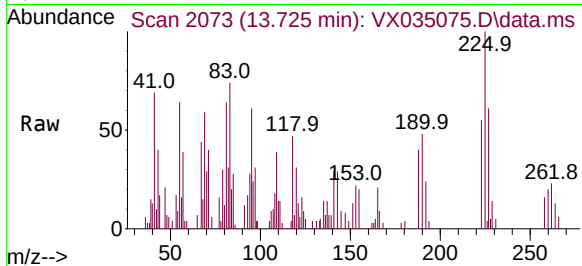




#94
Hexachlorobutadiene
Concen: 1.582 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

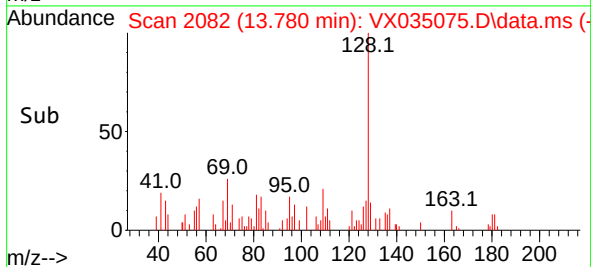
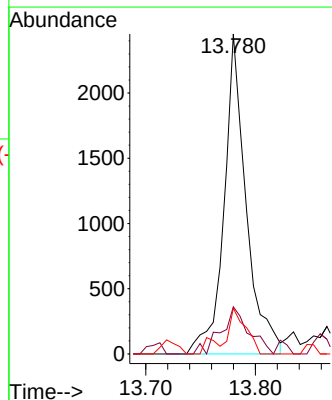
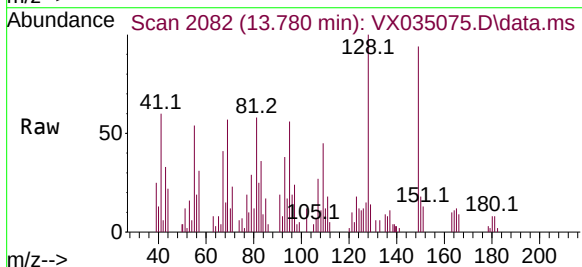
Instrument :
MSVOA_X
ClientSampleId :
32123

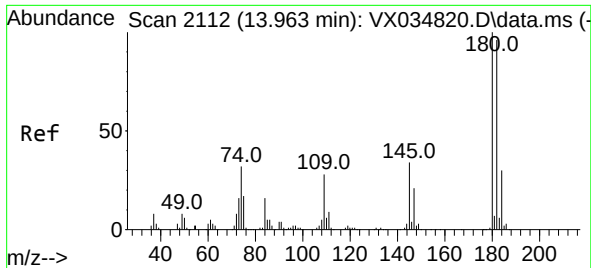
Tgt Ion:	225	Resp:	2602
Ion Ratio	Lower	Upper	
225	100		
223	61.5	32.1	96.5
227	60.5	31.8	95.4



#95
Naphthalene
Concen: 0.258 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035075.D
Acq: 14 Apr 2023 12:02

Tgt Ion:	128	Resp:	3434
Ion Ratio	Lower	Upper	
128	100		
127	18.5	10.2	15.4#
129	13.8	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.477 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035075.D
 Acq: 14 Apr 2023 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 32123

Tgt Ion:180 Resp: 1800
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.0 144.2
 145 67.2 17.7 53.1#

