

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022323\
 Data File : VX034243.D
 Acq On : 23 Feb 2023 12:39
 Operator : JC/MD
 Sample : 01655-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31962

Quant Time: Feb 24 00:50:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

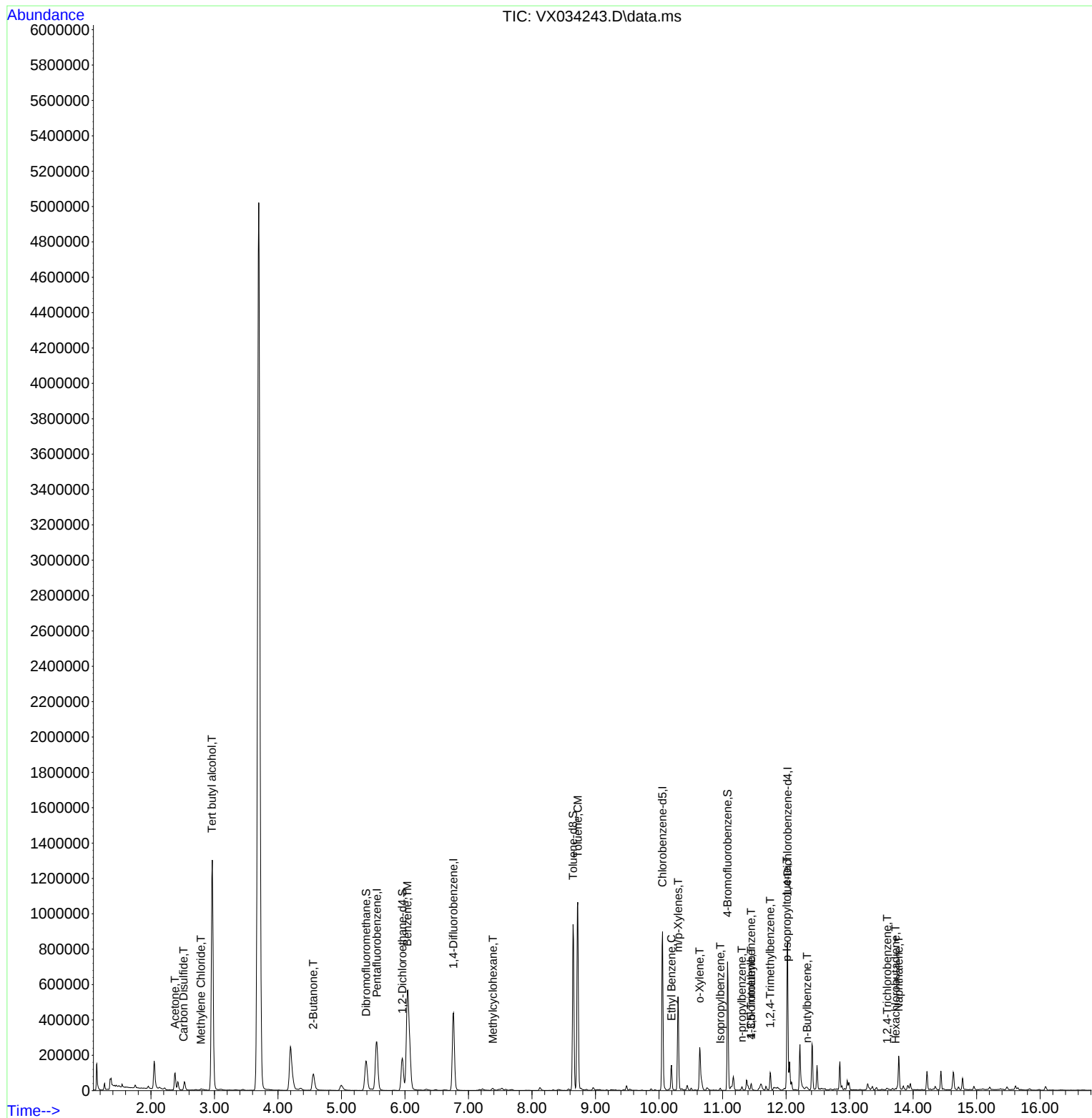
Internal Standards						
1) Pentafluorobenzene	5.556	168	281486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	466607	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167338	44.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.280%		
35) Dibromofluoromethane	5.385	113	148104	48.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.500%		
50) Toluene-d8	8.647	98	553698	50.762	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.520%		
62) 4-Bromofluorobenzene	11.079	95	188496	45.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.360%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	106106	125.140	ug/l #	45
16) Acetone	2.379	43	103143	52.744	ug/l	93
17) Carbon Disulfide	2.514	76	6223	0.711	ug/l	98
20) Methylene Chloride	2.788	84	2628	0.746	ug/l #	79
25) 2-Butanone	4.556	43	167082	59.049	ug/l	97
39) Methylcyclohexane	7.385	83	5495	0.950	ug/l #	76
40) Benzene	6.037	78	649694	48.795	ug/l	99
52) Toluene	8.720	92	411702	51.030	ug/l	99
67) Ethyl Benzene	10.195	91	81639	5.376	ug/l	99
68) m/p-Xylenes	10.299	106	124320	21.394	ug/l	98
69) o-Xylene	10.640	106	50439	8.719	ug/l	96
73) Isopropylbenzene	10.963	105	6361	0.456	ug/l	97
78) n-propylbenzene	11.305	91	11318	0.697	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	14809	1.262	ug/l	97
82) 4-Chlorotoluene	11.451	91	3124	0.275	ug/l #	70
84) 1,2,4-Trimethylbenzene	11.750	105	43518	3.667	ug/l	99
86) p-Isopropyltoluene	12.012	119	2843	0.235	ug/l #	68
89) n-Butylbenzene	12.329	91	3575	0.332	ug/l #	73
93) 1,2,4-Trichlorobenzene	13.591	180	1511	0.382	ug/l	90
94) Hexachlorobutadiene	13.725	225	1065	0.649	ug/l	94
95) Naphthalene	13.774	128	112732	8.455	ug/l	100

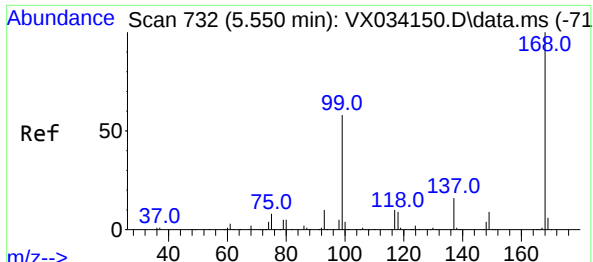
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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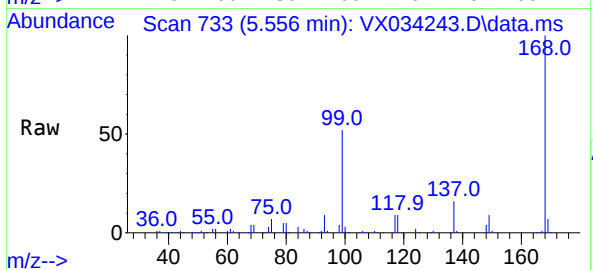
Quant Time: Feb 24 00:50:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



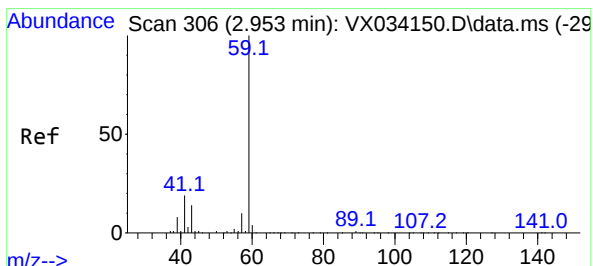
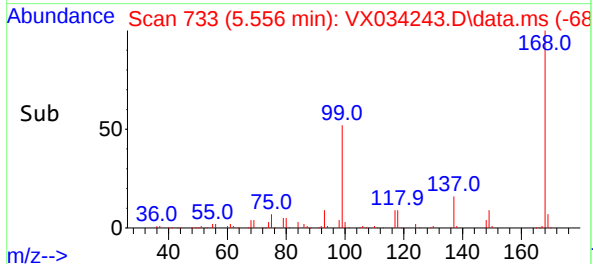
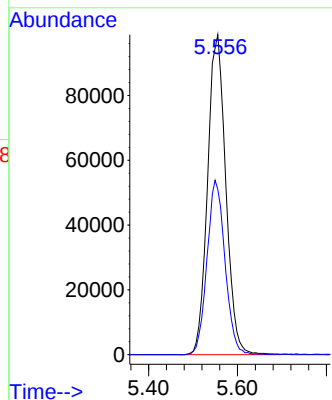


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Instrument :
MSVOA_X
ClientSampleId :
31962

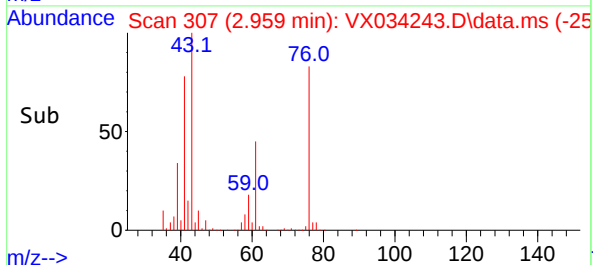
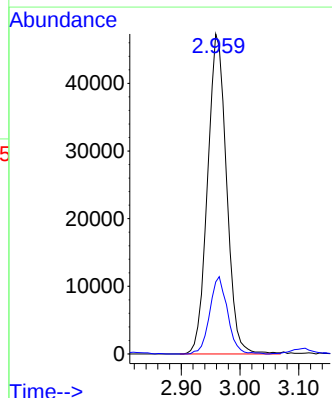
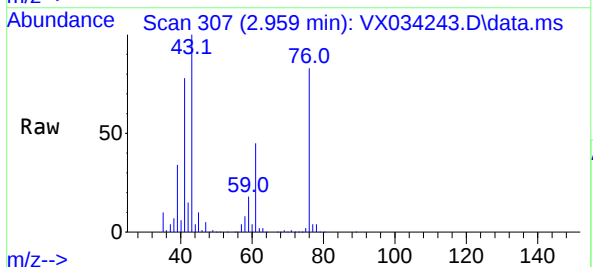


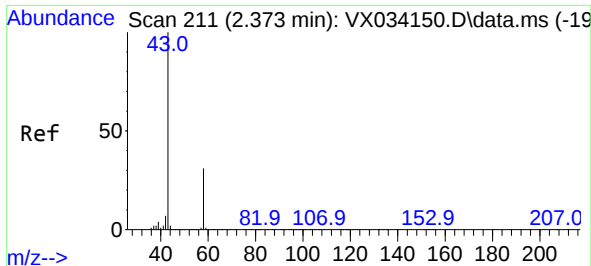
Tgt Ion:168 Resp: 281486
Ion Ratio Lower Upper
168 100
99 51.7 39.6 59.4



#11
Tert butyl alcohol
Concen: 125.140 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 59 Resp: 106106
Ion Ratio Lower Upper
59 100
57 22.8 3.7 5.5#

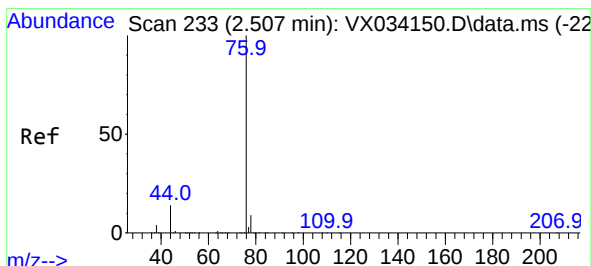
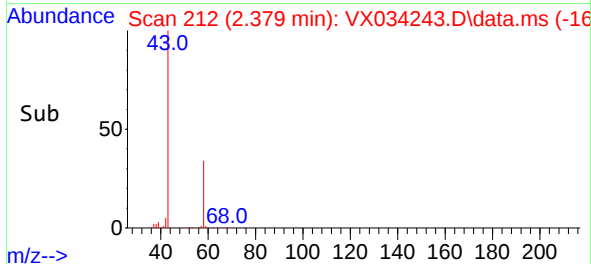
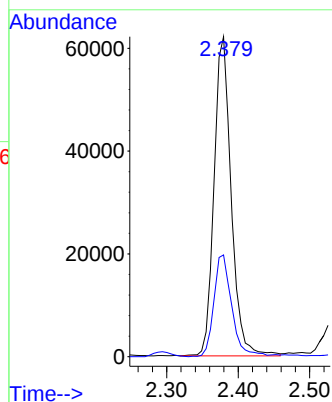
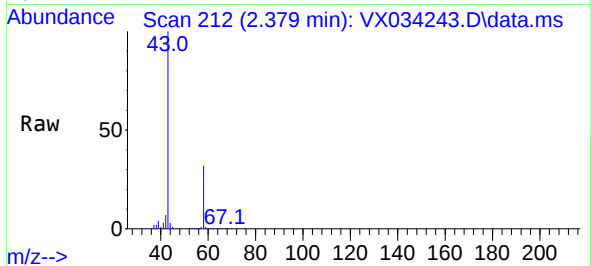




#16
Acetone
Concen: 52.744 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

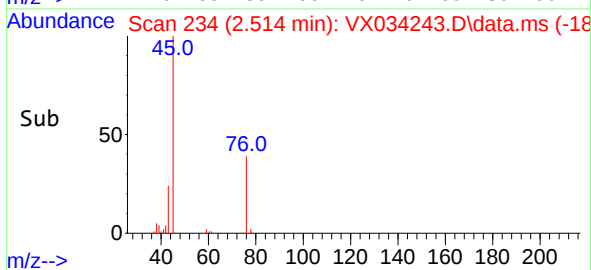
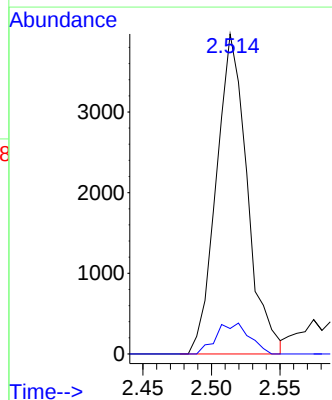
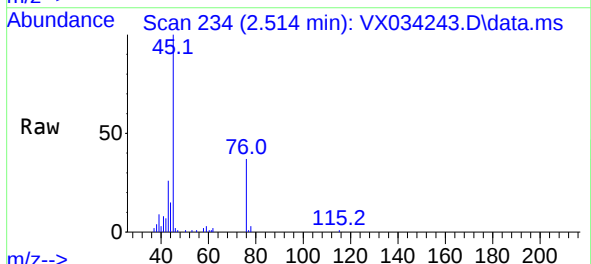
Instrument :
MSVOA_X
ClientSampleId :
31962

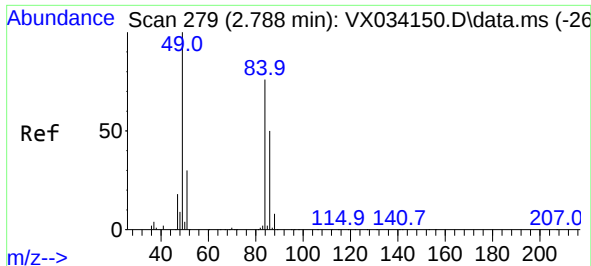
Tgt Ion: 43 Resp: 103143
Ion Ratio Lower Upper
43 100
58 31.6 22.6 33.8



#17
Carbon Disulfide
Concen: 0.711 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 76 Resp: 6223
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6





#20

Methylene Chloride

Concen: 0.746 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034243.D

Acq: 23 Feb 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

31962

Tgt Ion: 84 Resp: 2628

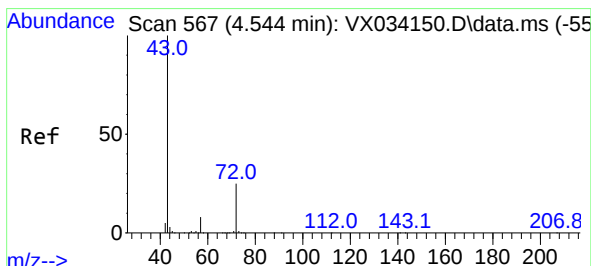
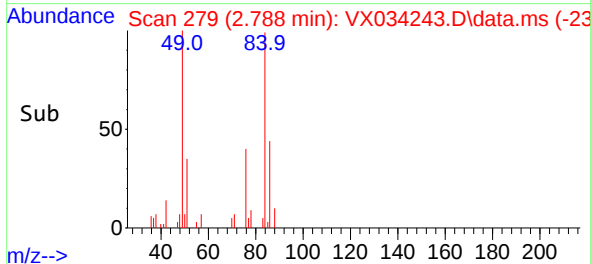
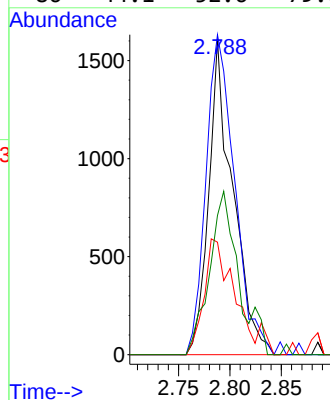
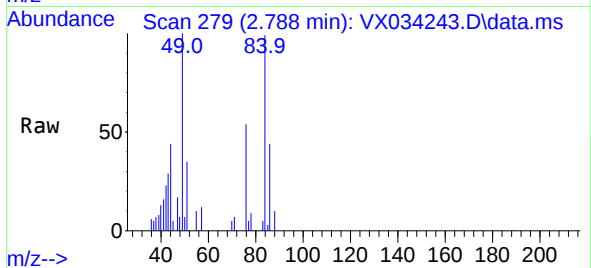
Ion Ratio Lower Upper

84 100

49 101.3 101.1 151.7

51 35.6 31.0 46.6

86 44.1 52.6 79.0#



#25

2-Butanone

Concen: 59.049 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.012 min

Lab File: VX034243.D

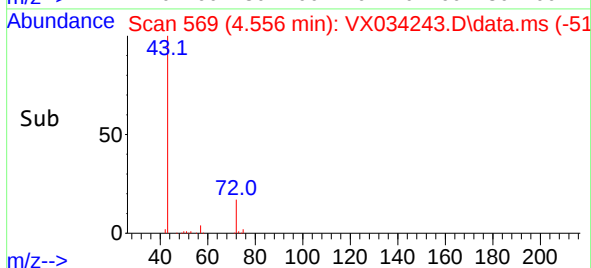
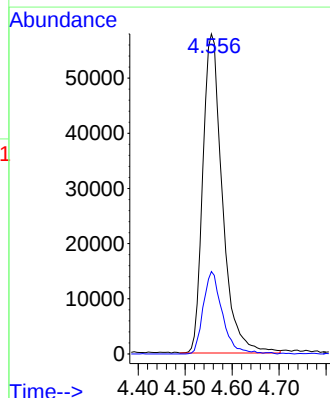
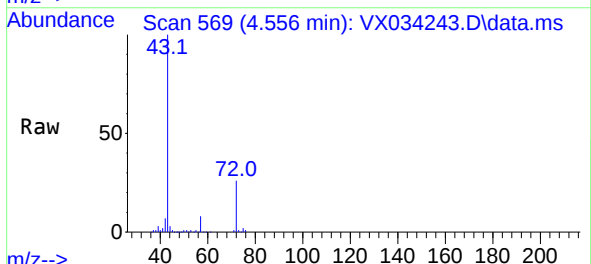
Acq: 23 Feb 2023 12:39

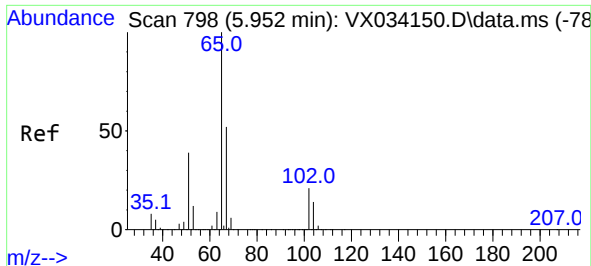
Tgt Ion: 43 Resp: 167082

Ion Ratio Lower Upper

43 100

72 25.8 19.4 29.2





#33

1,2-Dichloroethane-d4

Concen: 44.141 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034243.D

Acq: 23 Feb 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

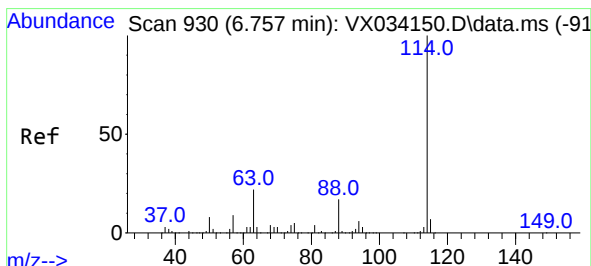
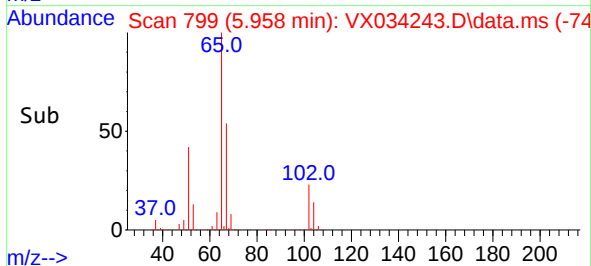
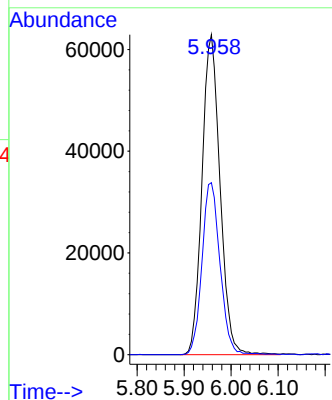
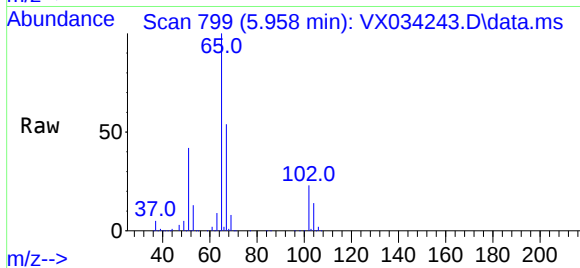
31962

Tgt Ion: 65 Resp: 167338

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034243.D

Acq: 23 Feb 2023 12:39

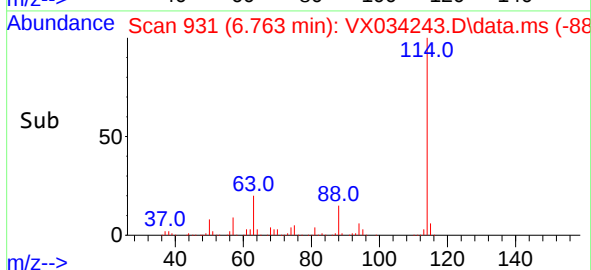
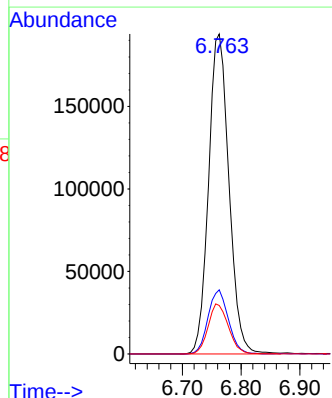
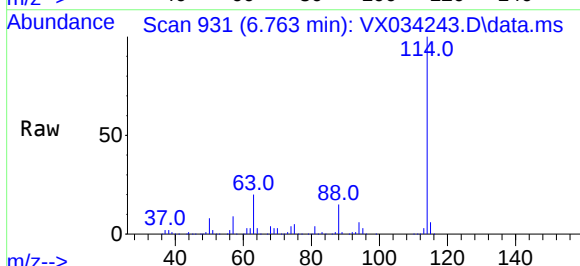
Tgt Ion: 114 Resp: 466607

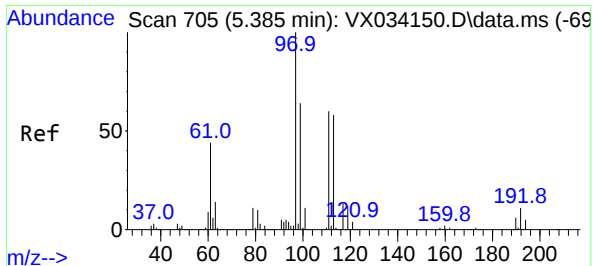
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.2 0.0 30.6

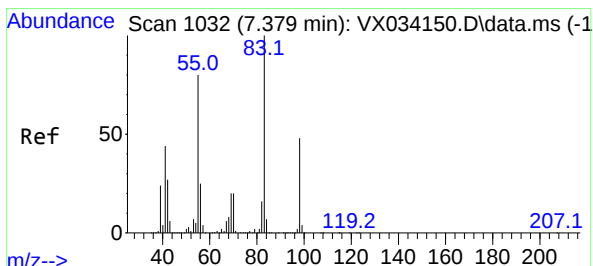
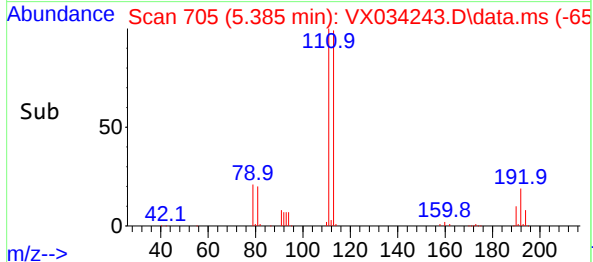
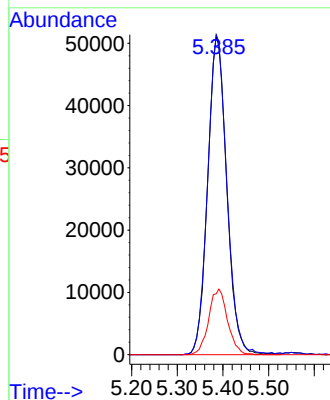
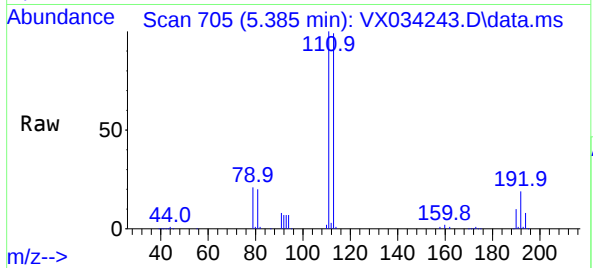




#35
Dibromofluoromethane
Concen: 48.750 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

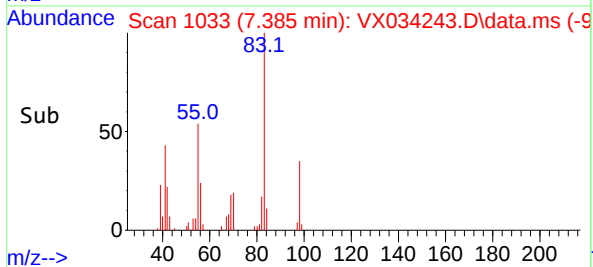
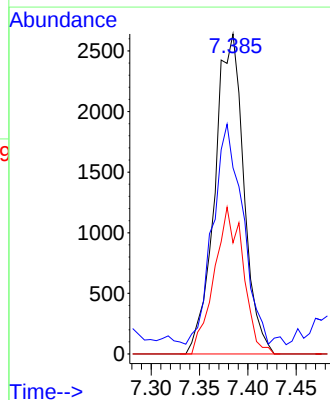
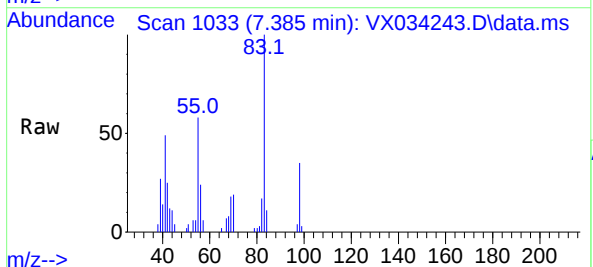
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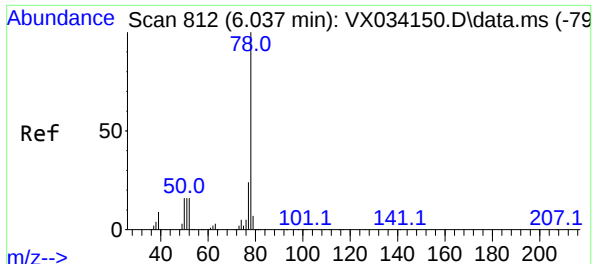
Tgt Ion:113 Resp: 148104
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.6
192 20.4 19.0 28.4



#39
Methylcyclohexane
Concen: 0.950 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 83 Resp: 5495
Ion Ratio Lower Upper
83 100
55 54.5 61.8 92.6#
98 34.7 39.3 58.9#

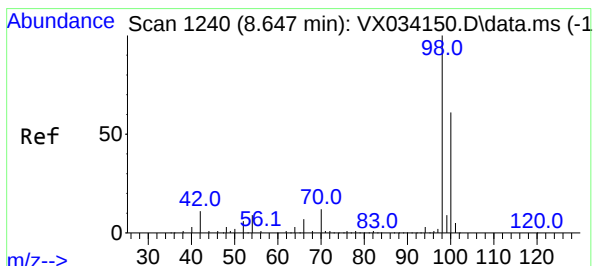
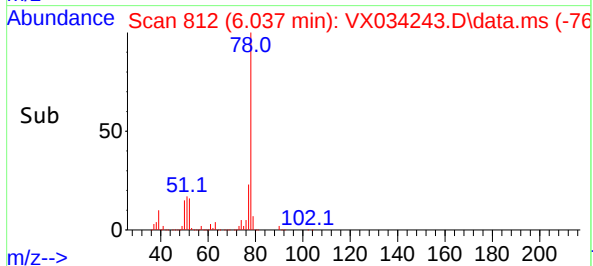
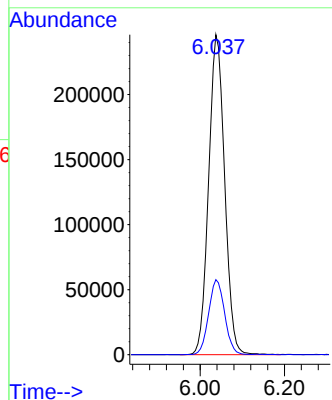
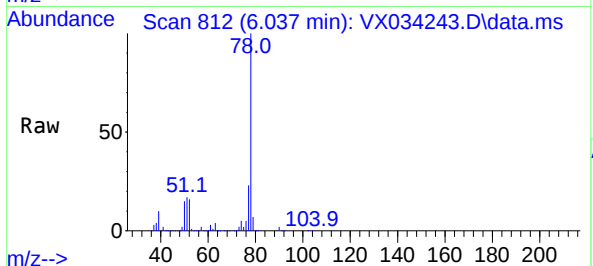




#40
Benzene
Concen: 48.795 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

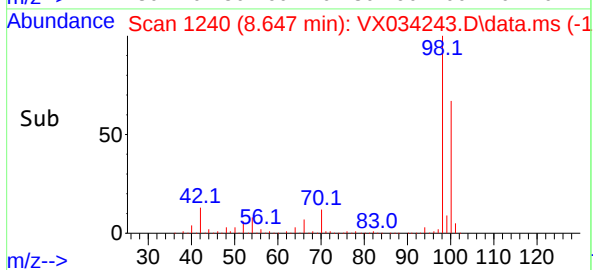
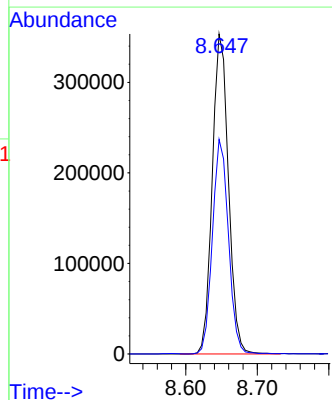
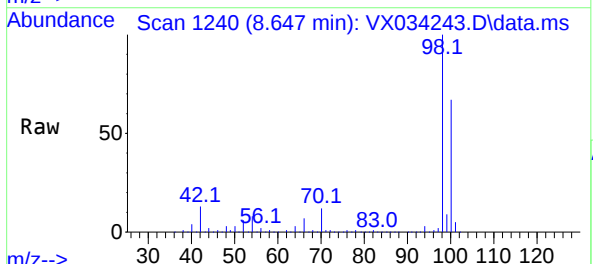
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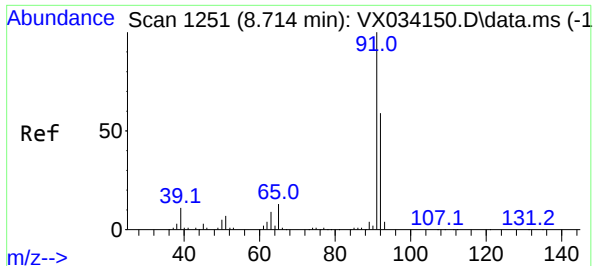
Tgt Ion: 78 Resp: 649694
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4



#50
Toluene-d8
Concen: 50.762 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 98 Resp: 553698
Ion Ratio Lower Upper
98 100
100 66.5 53.6 80.4

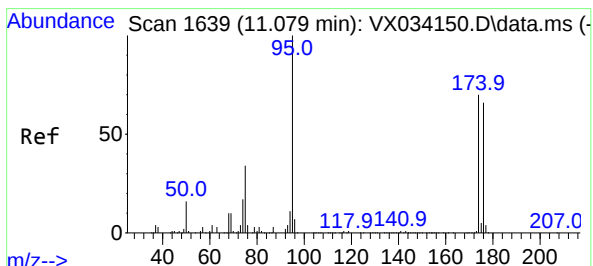
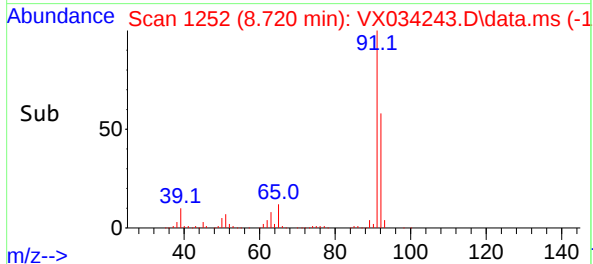
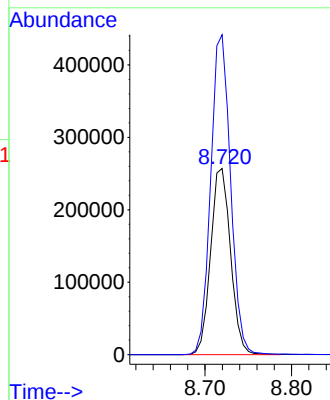
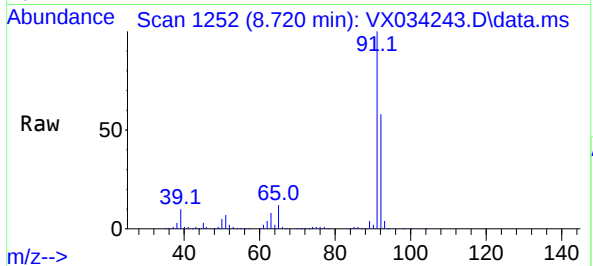




#52
Toluene
Concen: 51.030 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

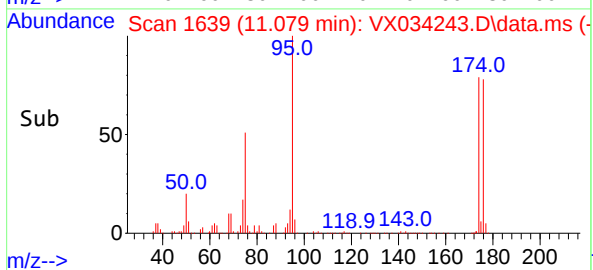
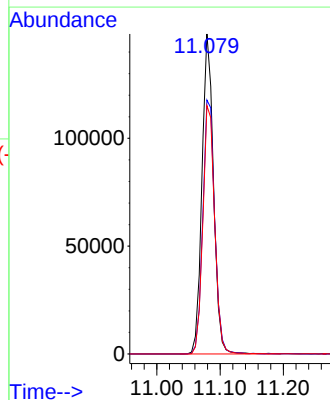
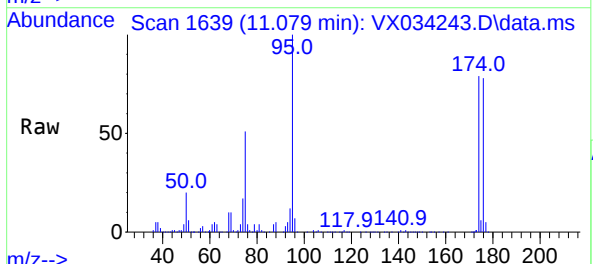
Instrument :
MSVOA_X
ClientSampleId :
31962

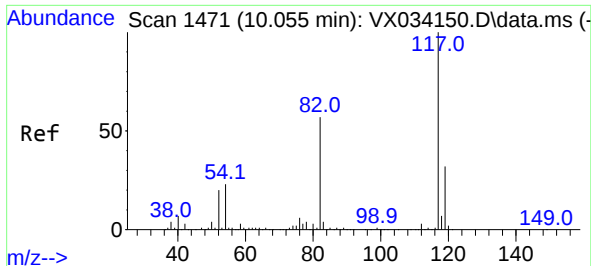
Tgt Ion: 92 Resp: 411702
Ion Ratio Lower Upper
92 100
91 171.3 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 45.179 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 95 Resp: 188496
Ion Ratio Lower Upper
95 100
174 82.0 0.0 184.4
176 79.3 0.0 178.8

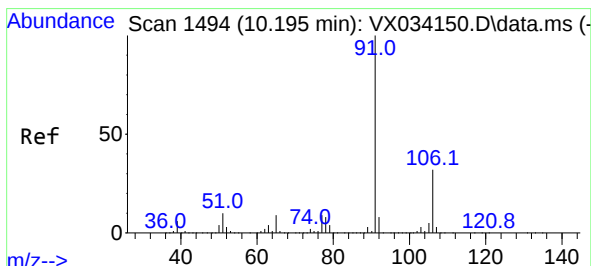
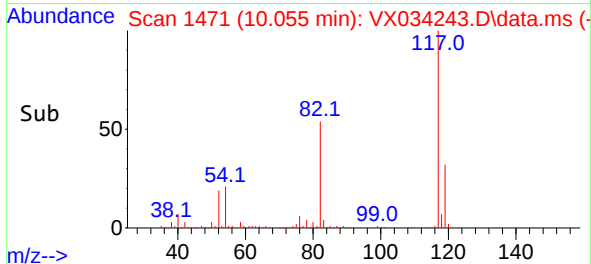
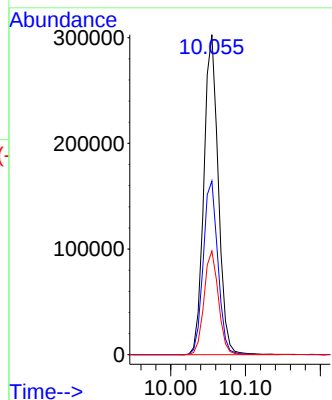
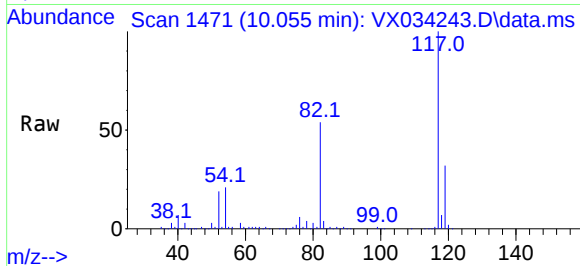




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

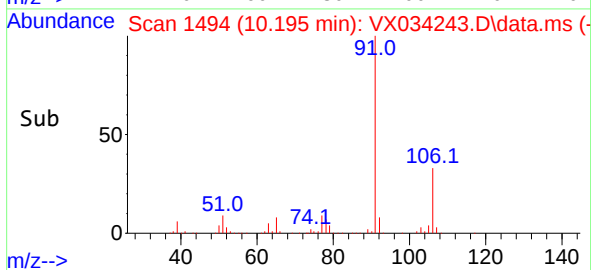
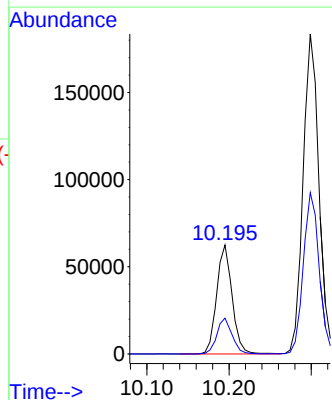
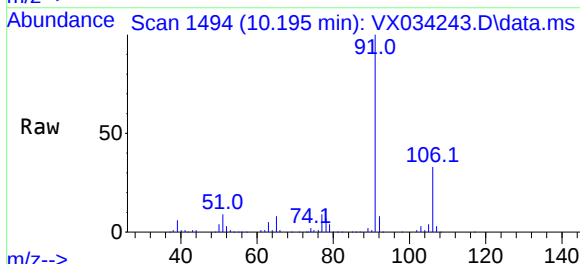
Instrument :
MSVOA_X
ClientSampleId :
31962

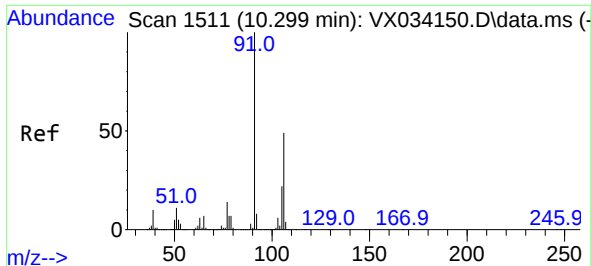
Tgt Ion:117 Resp: 405476
Ion Ratio Lower Upper
117 100
82 54.3 40.6 60.8
119 32.4 25.6 38.4



#67
Ethyl Benzene
Concen: 5.376 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 91 Resp: 81639
Ion Ratio Lower Upper
91 100
106 32.9 25.8 38.8

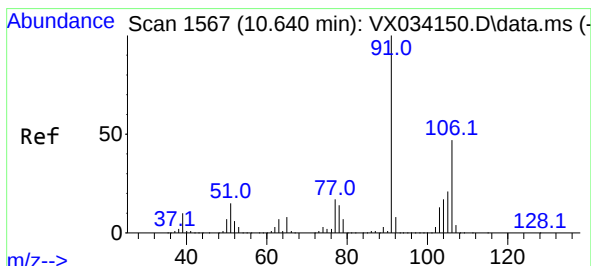
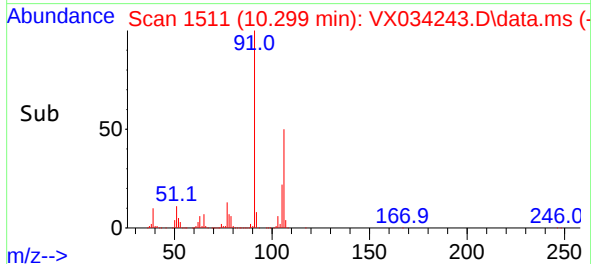
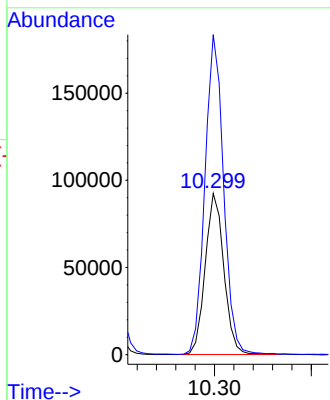
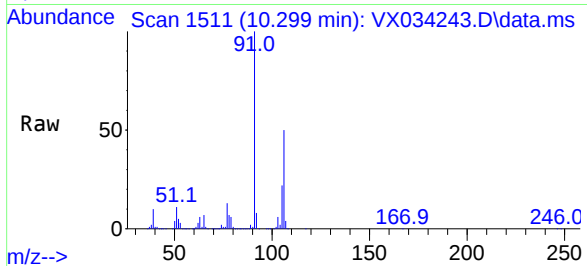




#68
m/p-Xylenes
Concen: 21.394 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

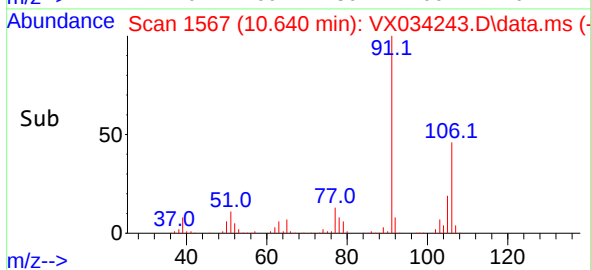
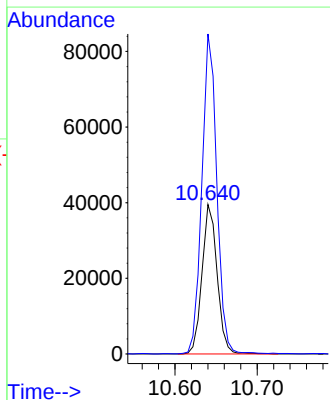
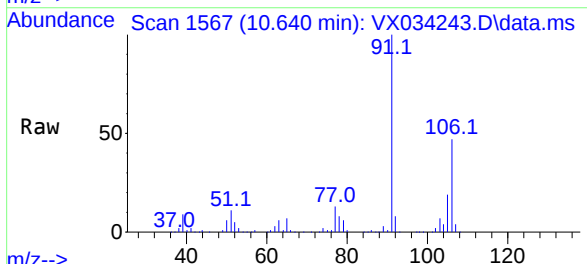
Instrument :
MSVOA_X
ClientSampleId :
31962

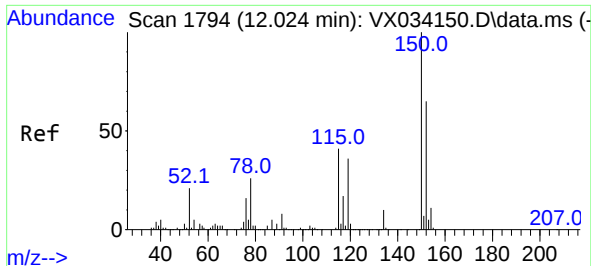
Tgt Ion:106 Resp: 124320
Ion Ratio Lower Upper
106 100
91 198.0 156.4 234.6



#69
o-Xylene
Concen: 8.719 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

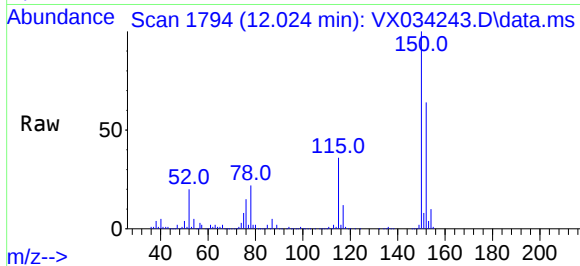
Tgt Ion:106 Resp: 50439
Ion Ratio Lower Upper
106 100
91 212.0 103.1 309.3



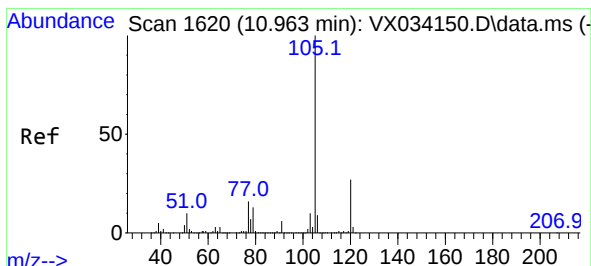
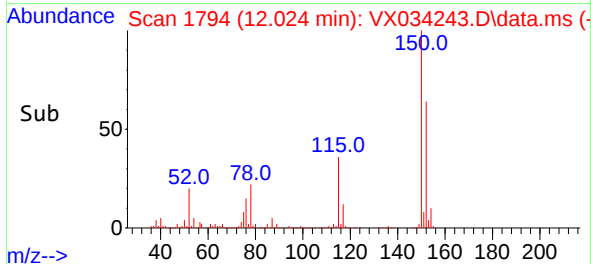
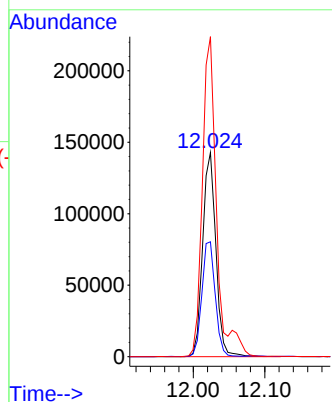


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Instrument :
MSVOA_X
ClientSampleId :
31962

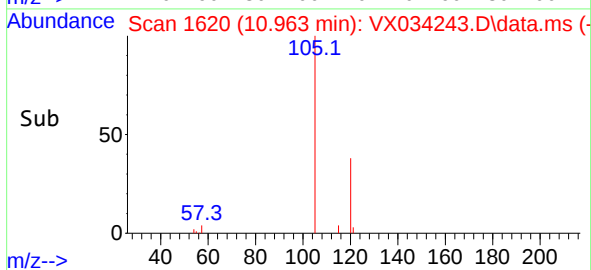
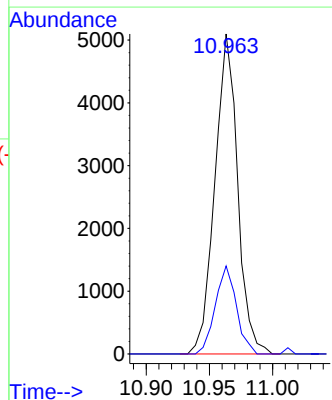
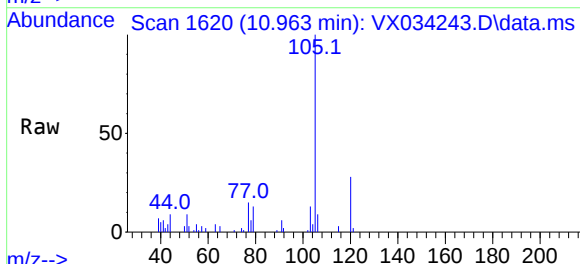


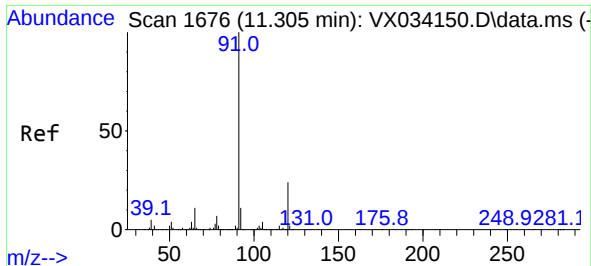
Tgt Ion:152 Resp: 183192
Ion Ratio Lower Upper
152 100
115 56.7 38.7 116.1
150 157.4 0.0 348.2



#73
Isopropylbenzene
Concen: 0.456 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion:105 Resp: 6361
Ion Ratio Lower Upper
105 100
120 25.4 13.6 40.8

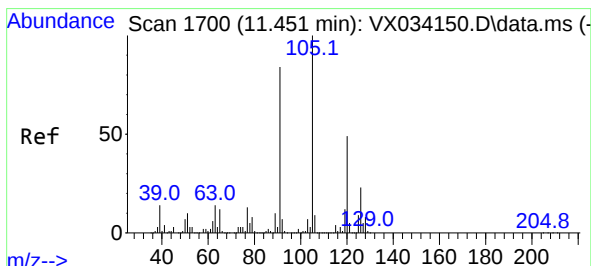
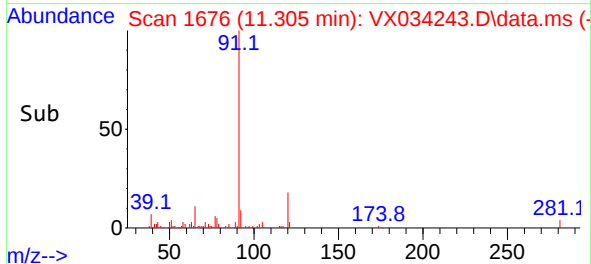
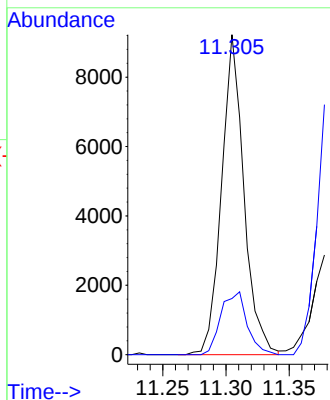
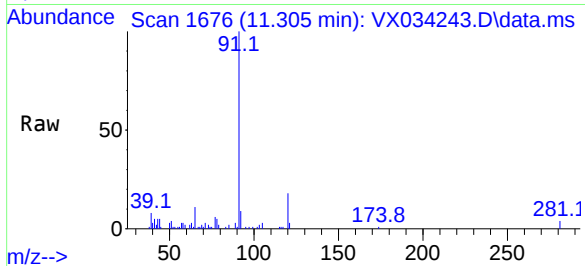




#78
n-propylbenzene
Concen: 0.697 ug/l
RT: 11.305 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

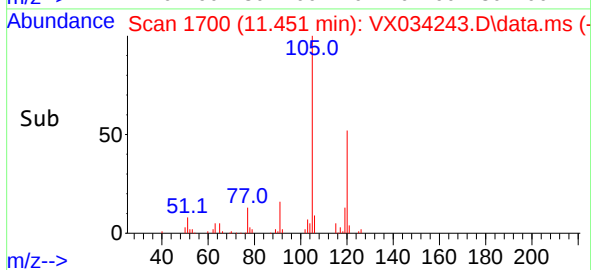
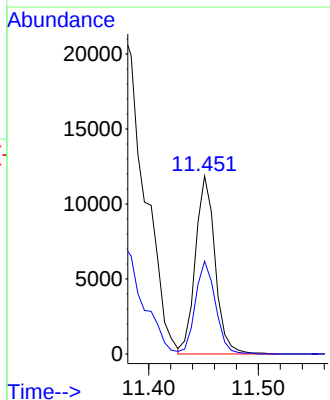
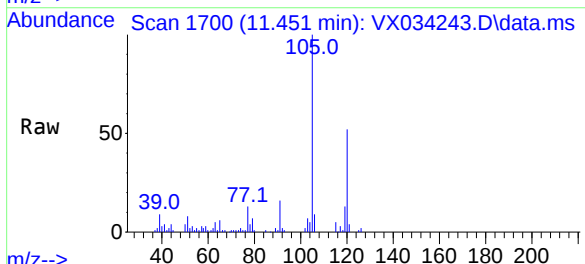
Instrument :
MSVOA_X
ClientSampleId :
31962

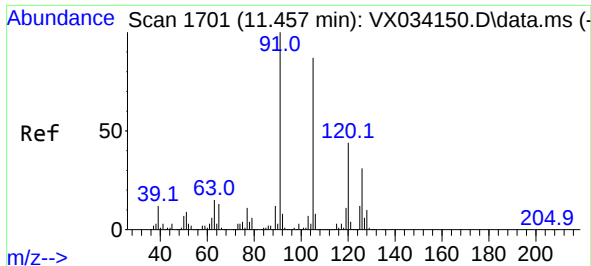
Tgt Ion: 91 Resp: 11318
Ion Ratio Lower Upper
91 100
120 23.1 12.3 36.8



#80
1,3,5-Trimethylbenzene
Concen: 1.262 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 105 Resp: 14809
Ion Ratio Lower Upper
105 100
120 53.1 25.6 76.8

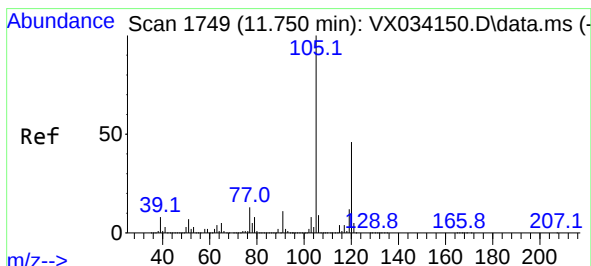
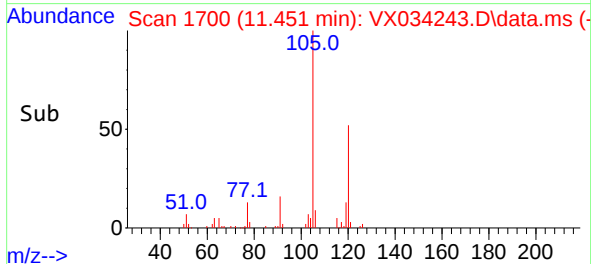
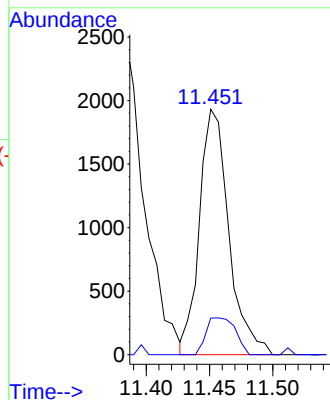
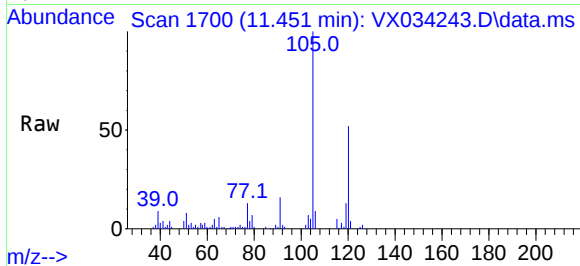




#82
4-Chlorotoluene
Concen: 0.275 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

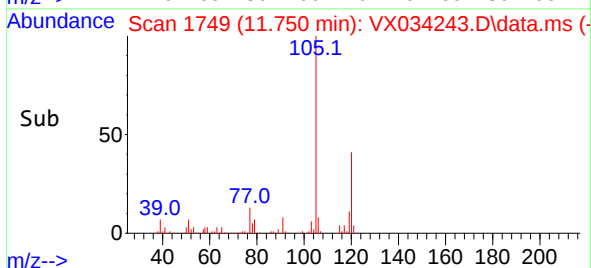
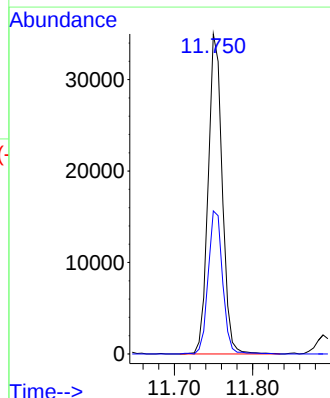
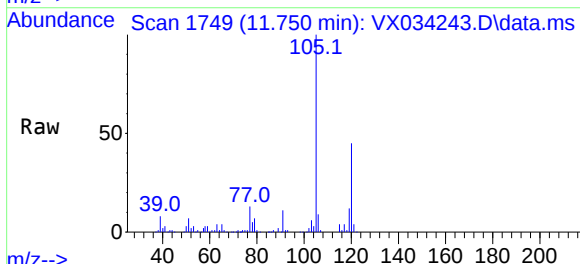
Instrument :
MSVOA_X
ClientSampleId :
31962

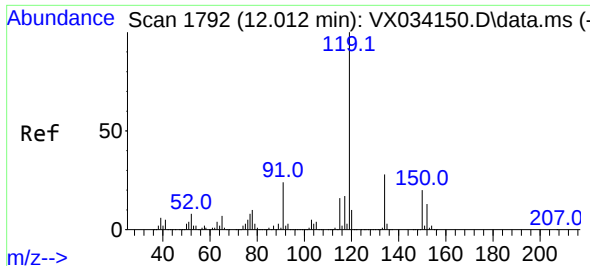
Tgt Ion: 91 Resp: 3124
Ion Ratio Lower Upper
91 100
126 14.9 15.8 47.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.667 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion: 105 Resp: 43518
Ion Ratio Lower Upper
105 100
120 45.9 23.4 70.2

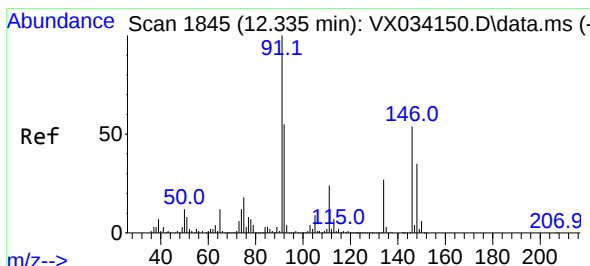
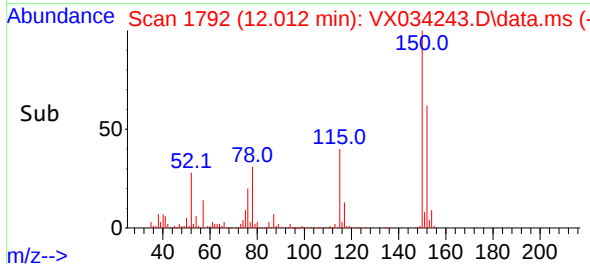
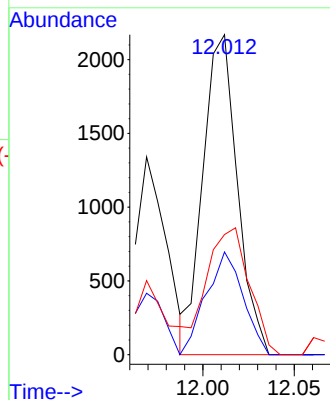
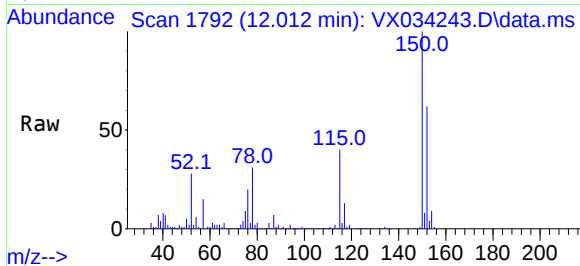




#86
p-Isopropyltoluene
Concen: 0.235 ug/l
RT: 12.012 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

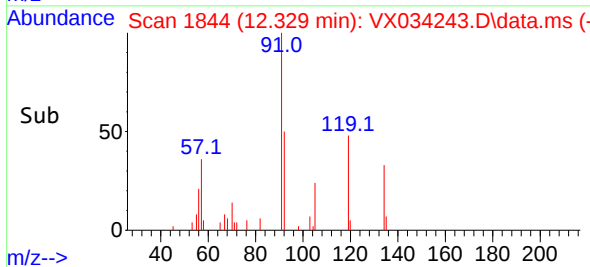
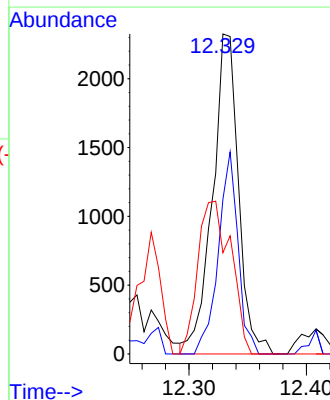
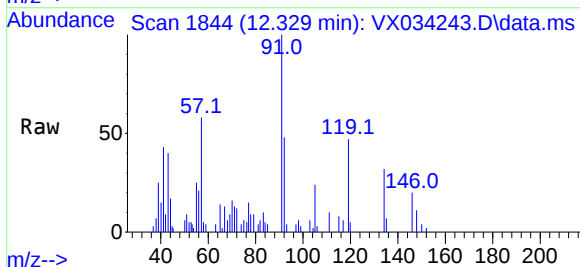
Instrument :
MSVOA_X
ClientSampleId :
31962

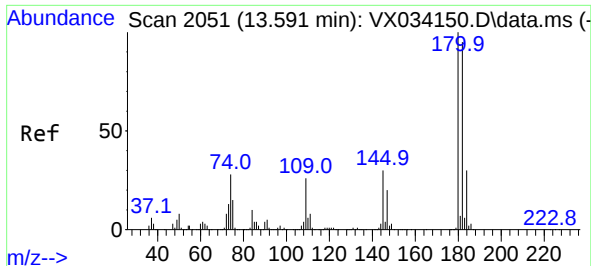
Tgt Ion:	119	Resp:	2843
Ion	Ratio	Lower	Upper
119	100		
134	34.5	13.6	40.8
91	47.5	11.0	33.0



#89
n-Butylbenzene
Concen: 0.332 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion:	91	Resp:	3575
Ion	Ratio	Lower	Upper
91	100		
92	47.9	27.5	82.5
134	60.5	14.3	42.9

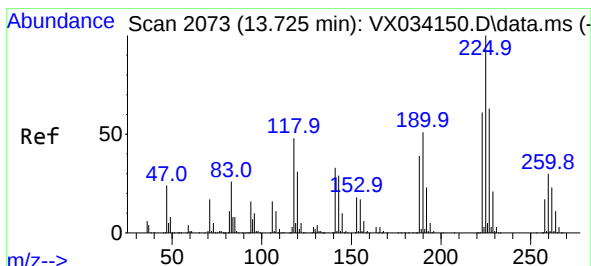
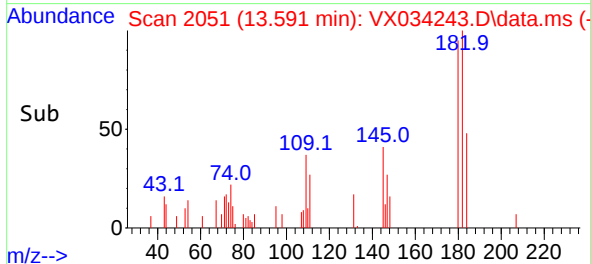
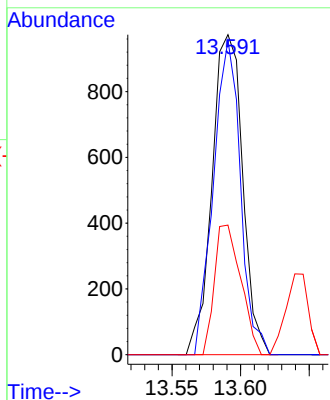
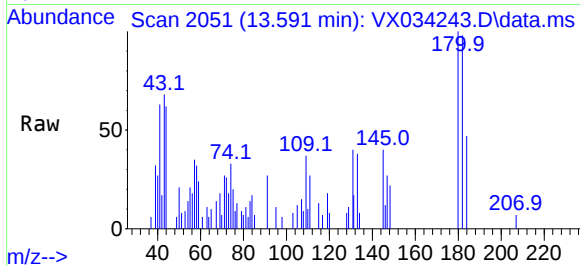




#93
1,2,4-Trichlorobenzene
Concen: 0.382 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

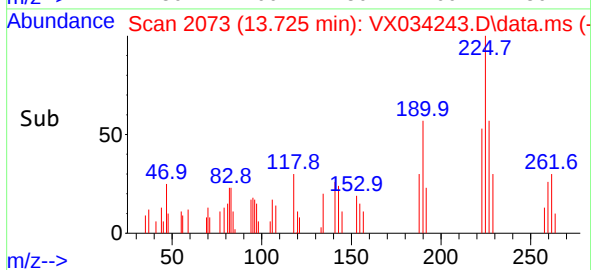
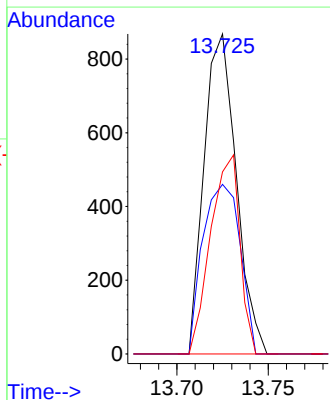
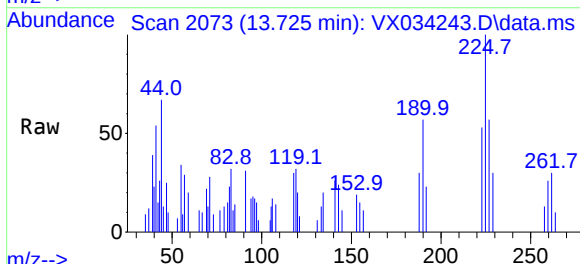
Instrument :
MSVOA_X
ClientSampleId :
31962

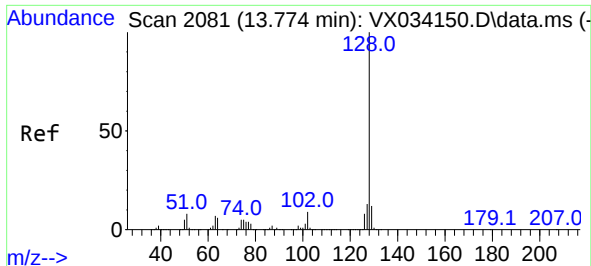
Tgt Ion:	180	Resp:	1511
Ion	Ratio	Lower	Upper
180	100		
182	86.9	47.9	143.6
145	34.9	14.1	42.2



#94
Hexachlorobutadiene
Concen: 0.649 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX034243.D
Acq: 23 Feb 2023 12:39

Tgt Ion:	225	Resp:	1065
Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.3	93.9
227	56.5	32.3	96.9





#95

Naphthalene

Concen: 8.455 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX034243.D

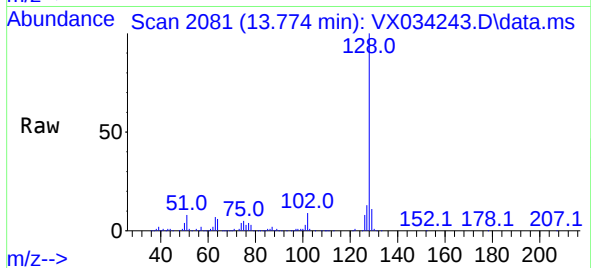
Acq: 23 Feb 2023 12:39

Instrument :

MSVOA_X

ClientSampleId :

31962



Tgt Ion:128 Resp: 112732

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.2 8.7 13.1

