

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120621\
 Data File : VW023794.D
 Acq On : 06 Dec 2021 13:45
 Operator : SY/MD
 Sample : M4979-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 07 05:30:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	137631	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	130419	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73891	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	5600	0.496	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	10.000%#
7) Chloroethane-d5	1.568	69	7690	0.866	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	17.400%#
11) 1,1-Dichloroethene-d2	2.111	63	5057	0.254	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	5.000%#
20) 2-Butanone-d5	3.886	46	93393	68.760	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.520%#
24) Chloroform-d	4.352	84	33385	1.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	34.000%#
26) 1,2-Dichloroethane-d4	5.034	65	19078	2.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	41.600%#
32) Benzene-d6	5.056	84	29173	0.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	16.400%#
36) 1,2-Dichloropropane-d6	6.072	67	17322	1.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	34.800%#
41) Toluene-d8	7.320	98	13525	0.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	8.200%#
43) trans-1,3-Dichloroprop...	7.625	79	6065	1.511	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	30.200%#
46) 2-Hexanone-d5	8.088	63	76467	57.327	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26191	3.654	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	21880	1.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	33.400%#
Target Compounds						
					Qvalue	
13) Acetone	2.179	43	8446	6.911	ug/L	73
14) Carbon disulfide	2.298	76	1727	0.056	ug/L #	94
15) Methyl Acetate	2.439	43	2643	0.953	ug/L #	50
18) trans-1,2-Dichloroethene	2.767	96	4572	0.435	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	143938	14.290	ug/L #	99
25) Chloroform	4.410	83	25112	1.276	ug/L #	24
30) Cyclohexane	4.680	56	48449	3.406	ug/L	99
34) Trichloroethene	5.912	95	145565	14.615	ug/L	97
35) Methylcyclohexane	6.133	83	25716	1.656	ug/L	97
38) Bromodichloromethane	6.564	83	7751	0.646	ug/L #	27
42) Toluene	7.391	91	62065	1.539	ug/L	99
45) 1,1,2-Trichloroethane	7.789	97	3539	0.578	ug/L #	23
47) Tetrachloroethene	7.976	164	825672	91.076	ug/L	97
48) 2-Hexanone	8.085	43	9505	3.048	ug/L #	59
49) Dibromochloromethane	7.976	129	746664	89.035	ug/L #	11
52) Ethylbenzene	9.011	91	315049	7.475	ug/L	100
53) m,p-xylene	9.136	106	258699	15.421	ug/L	100
54) o-xylene	9.542	106	50384	3.158	ug/L	100
55) Styrene	9.542	104	3075	0.114	ug/L #	1

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 Response via : Initial Calibration

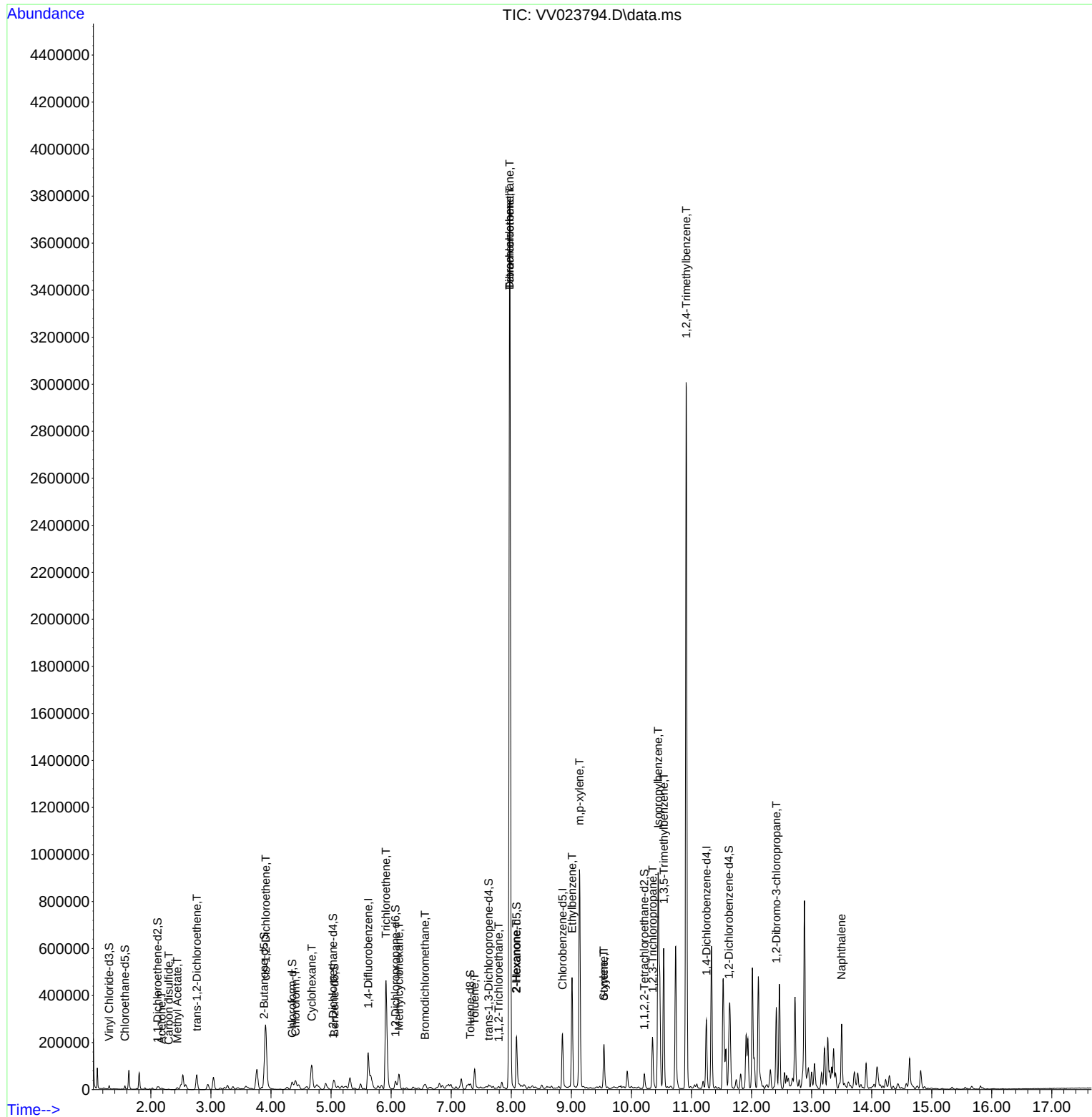
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.445	105	817788	18.536	ug/L #	91
61) 1,2,3-Trichloropropane	10.352	75	1312	0.250	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	310883	8.468	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	1595416	43.944	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	1385	1.331	ug/L #	1
71) Naphthalene	13.500	128	210899	11.468	ug/L	98

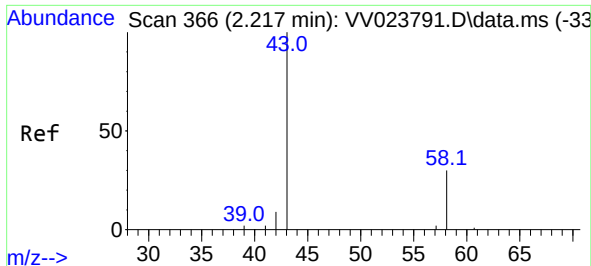
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.911 ug/L

RT: 2.179 min Scan# 31

Delta R.T. -0.045 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

Instrument :

MSVOA_V

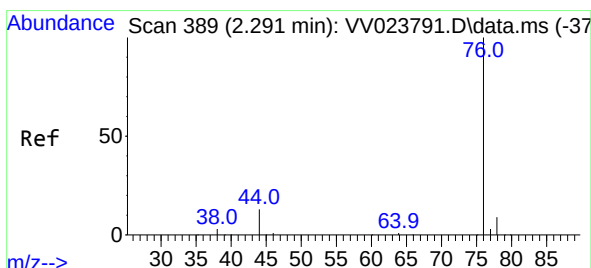
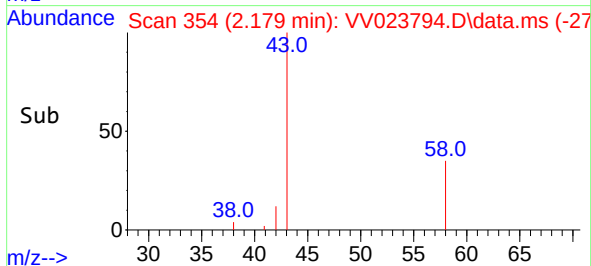
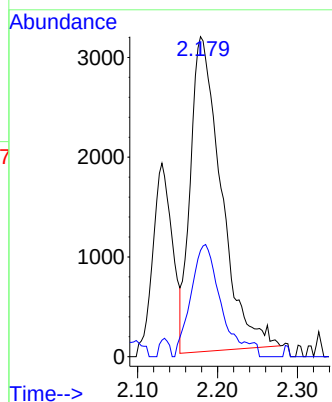
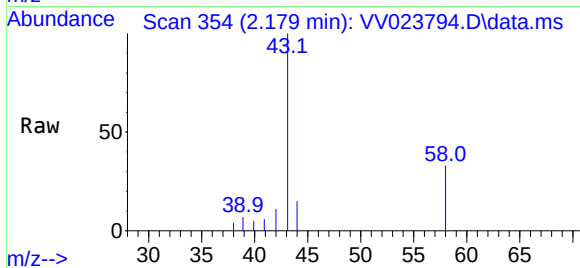
ClientSampleId :

Tgt Ion: 43 Resp: 8446

Ion Ratio Lower Upper

43 100

58 33.4 0.0 41.4



#14

Carbon disulfide

Concen: 0.056 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023794.D

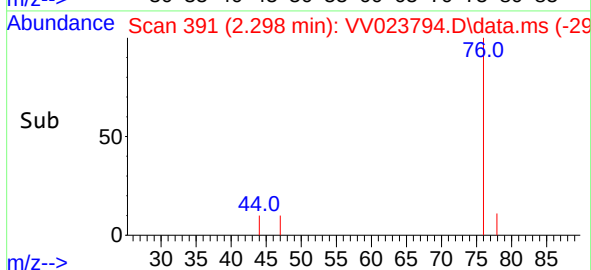
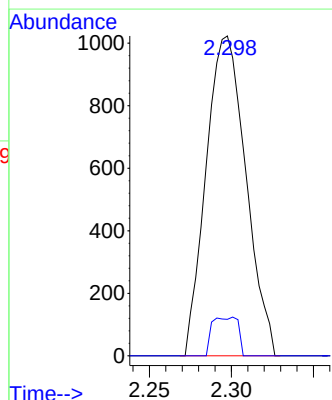
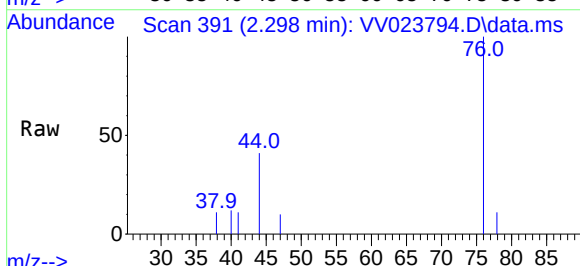
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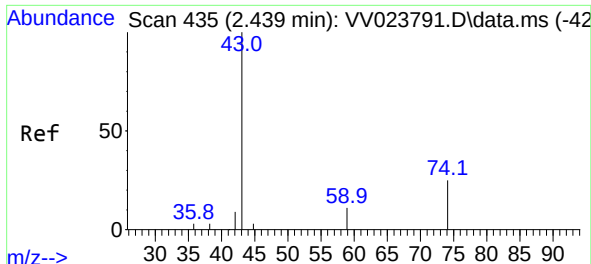
Tgt Ion: 76 Resp: 1727

Ion Ratio Lower Upper

76 100

78 11.4 7.5 11.3#

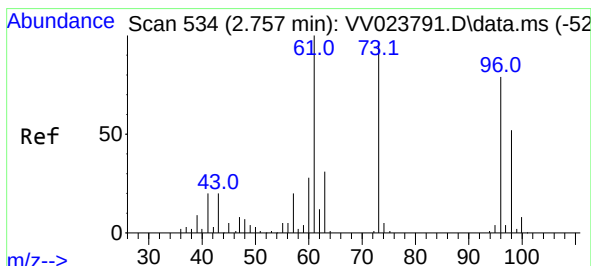
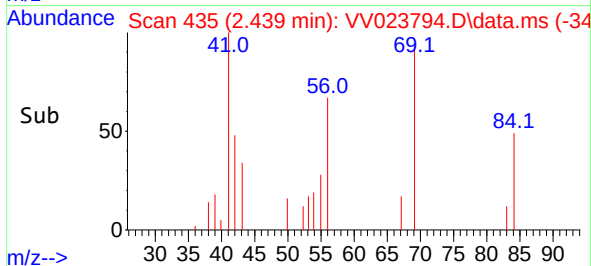
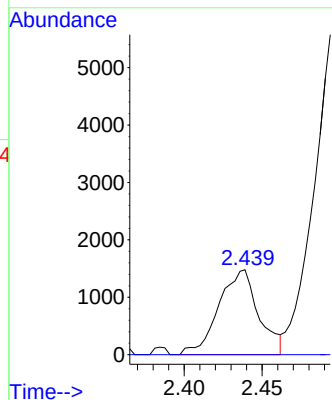
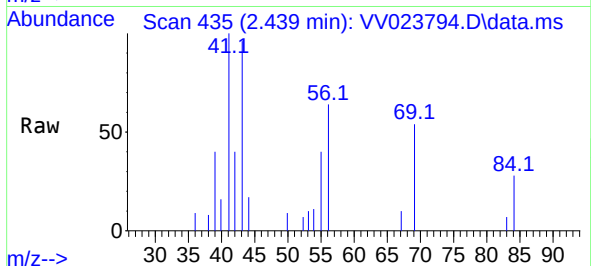




#15
Methyl Acetate
Concen: 0.953 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

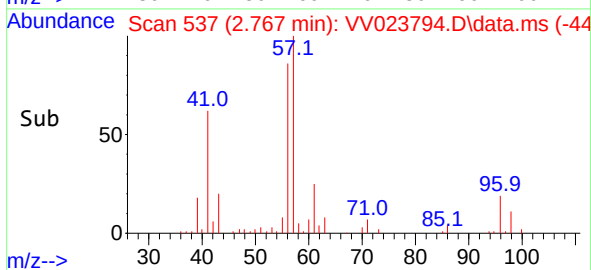
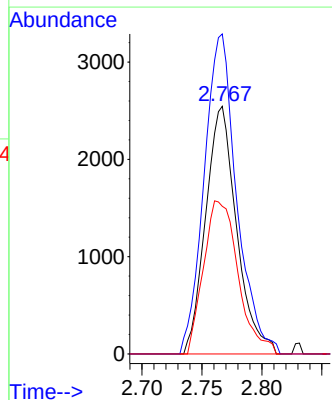
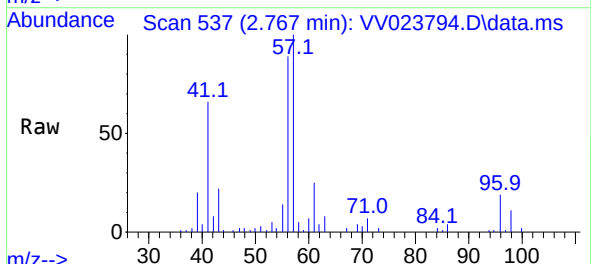
Instrument :
MSVOA_V
ClientSampleId :

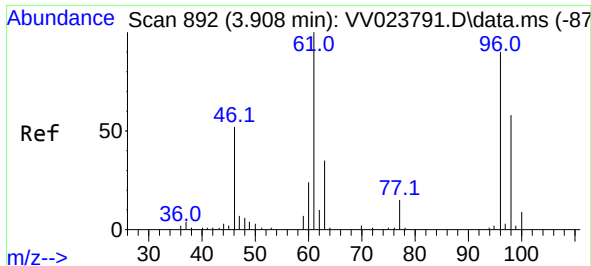
Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#18
trans-1,2-Dichloroethene
Concen: 0.435 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

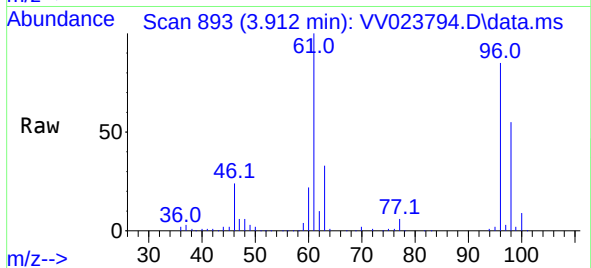
Tgt Ion: 96 Resp: 4572
Ion Ratio Lower Upper
96 100
61 129.2 88.2 163.8
98 59.6 44.9 83.5



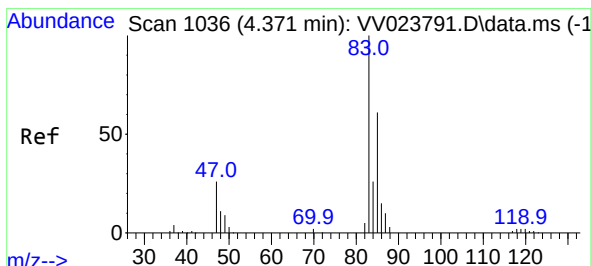
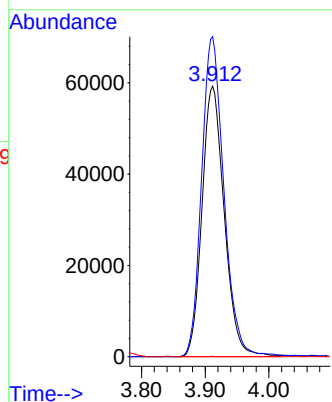
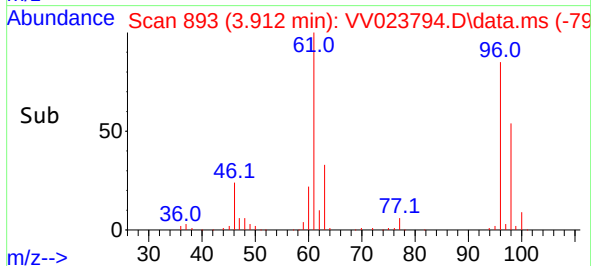


#22
cis-1,2-Dichloroethene
Concen: 14.290 ug/L
RT: 3.912 min Scan# 89
Delta R.T. 0.003 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Instrument :
MSVOA_V
ClientSampleId :

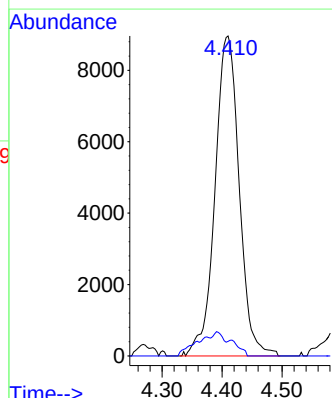
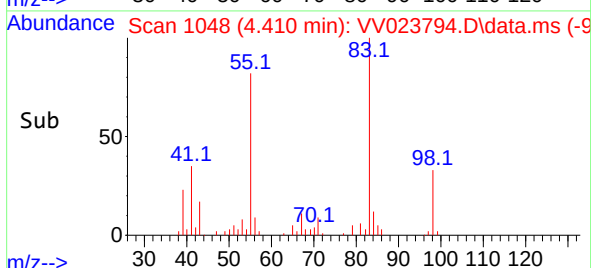
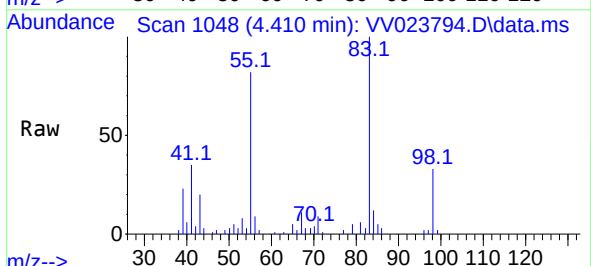


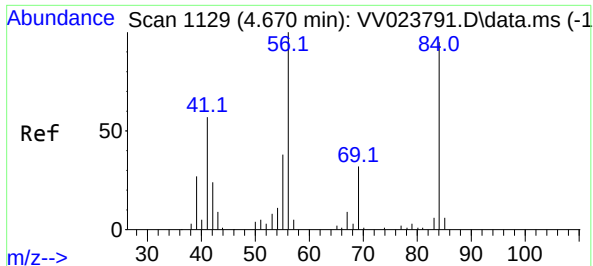
Tgt Ion: 96 Resp: 143938
Ion Ratio Lower Upper
96 100
61 118.3 83.4 154.8
68 0.2 0.0 0.0#



#25
Chloroform
Concen: 1.276 ug/L
RT: 4.410 min Scan# 1048
Delta R.T. 0.039 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion: 83 Resp: 25112
Ion Ratio Lower Upper
83 100
85 4.6 45.2 84.0#

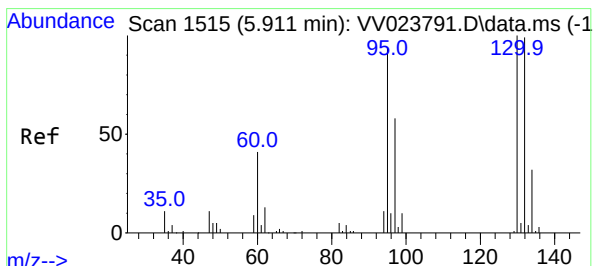
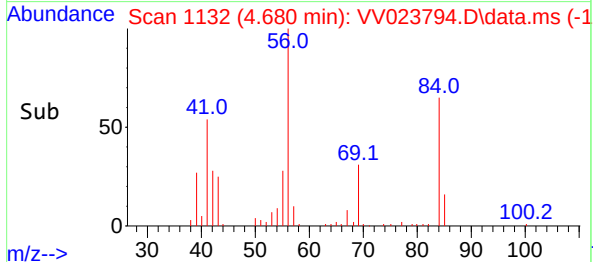
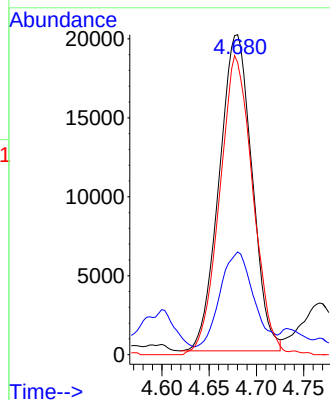
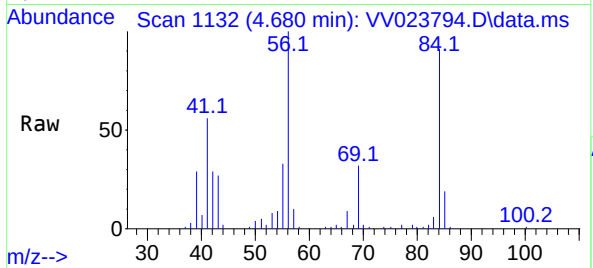




#30
Cyclohexane
Concen: 3.406 ug/L
RT: 4.680 min Scan# 1129
Delta R.T. 0.007 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

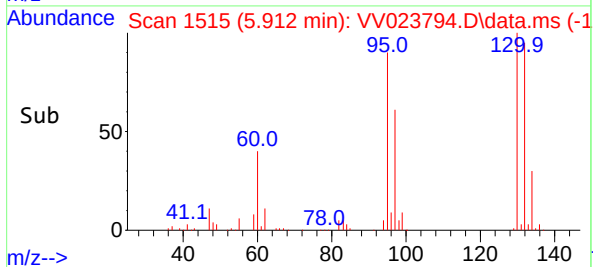
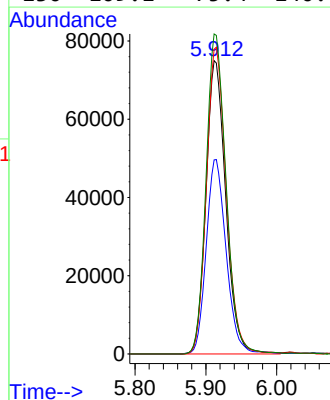
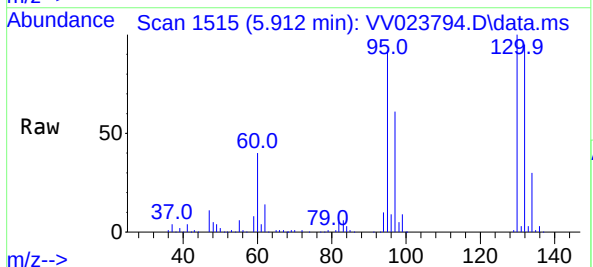
Instrument :
MSVOA_V
ClientSampleId :

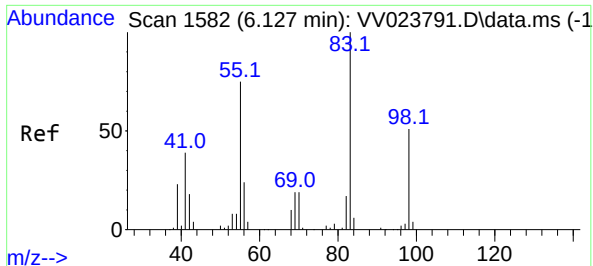
Tgt Ion: 56 Resp: 48449
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 95.4 75.9 113.9



#34
Trichloroethene
Concen: 14.615 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion: 95 Resp: 145565
Ion Ratio Lower Upper
95 100
97 66.2 45.2 84.0
132 104.0 76.1 141.3
130 109.1 75.4 140.0





#35

Methylcyclohexane

Concen: 1.656 ug/L

RT: 6.133 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

Instrument :

MSVOA_V

ClientSampleId :

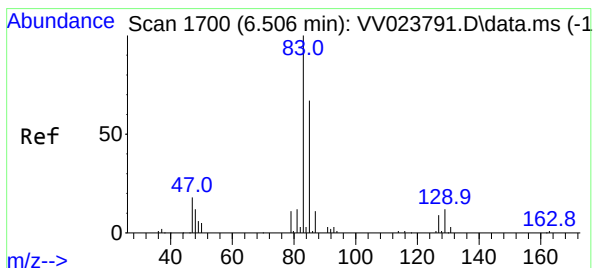
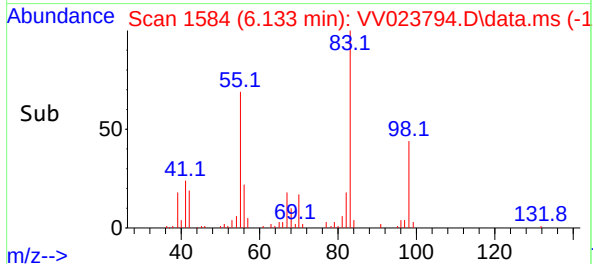
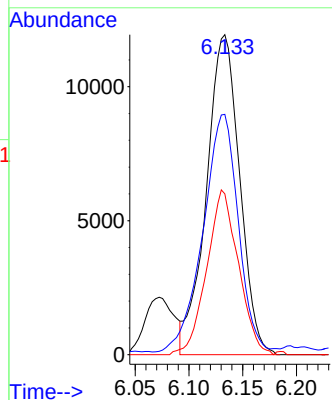
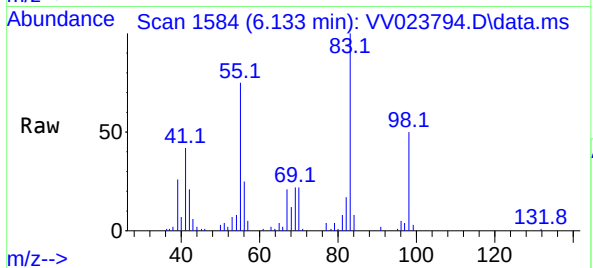
Tgt Ion: 83 Resp: 25716

Ion Ratio Lower Upper

83 100

55 78.3 60.2 90.2

98 49.0 41.0 61.4



#38

Bromodichloromethane

Concen: 0.646 ug/L

RT: 6.564 min Scan# 1718

Delta R.T. 0.058 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

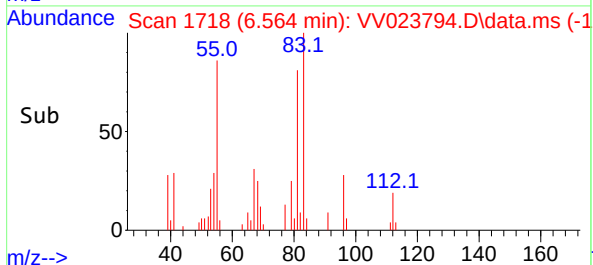
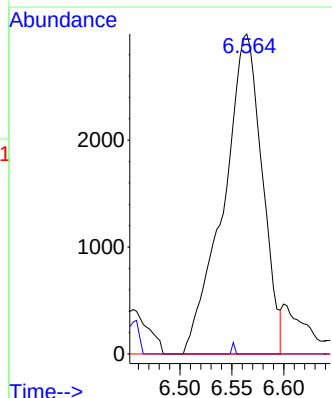
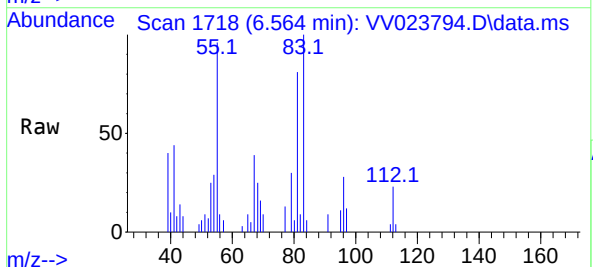
Tgt Ion: 83 Resp: 7751

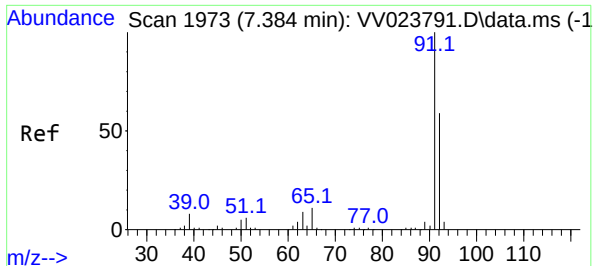
Ion Ratio Lower Upper

83 100

85 0.0 44.0 81.8#

127 0.0 8.6 12.8#





#42

Toluene

Concen: 1.539 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.007 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

Instrument :

MSVOA_V

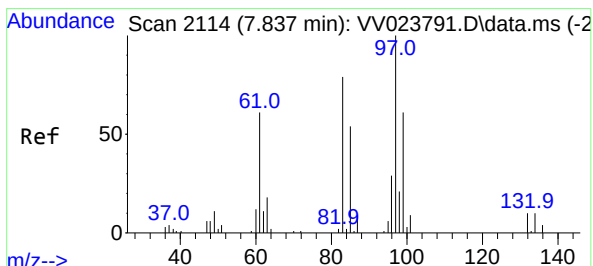
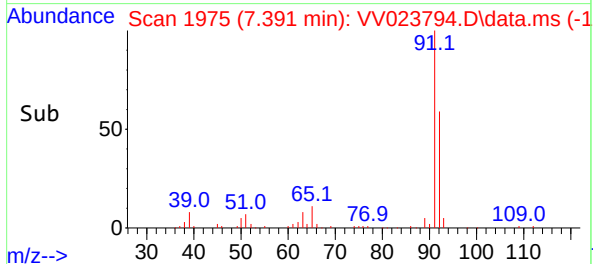
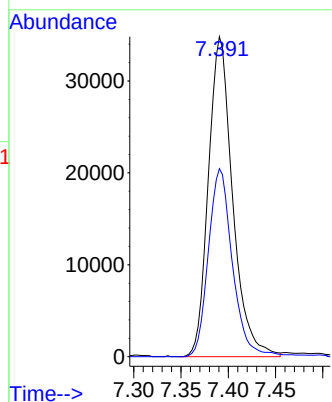
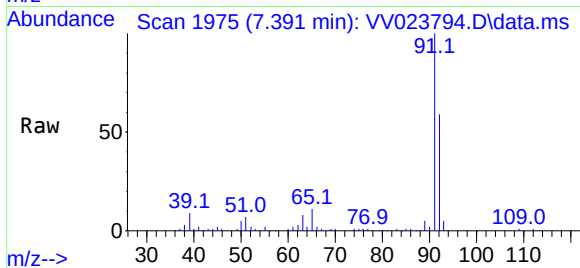
ClientSampleId :

Tgt Ion: 91 Resp: 62065

Ion Ratio Lower Upper

91 100

92 58.7 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.578 ug/L

RT: 7.789 min Scan# 2099

Delta R.T. -0.048 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

Tgt Ion: 97 Resp: 3539

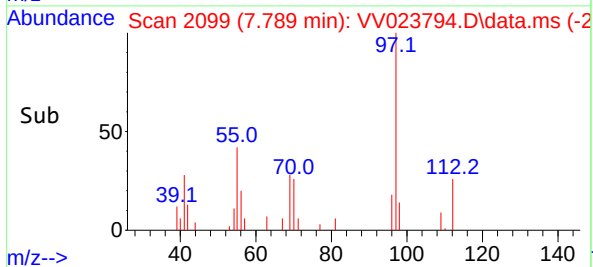
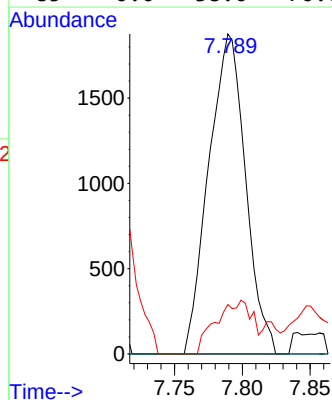
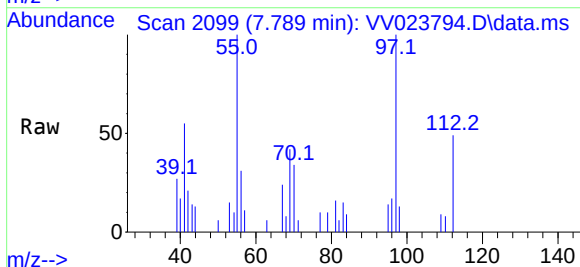
Ion Ratio Lower Upper

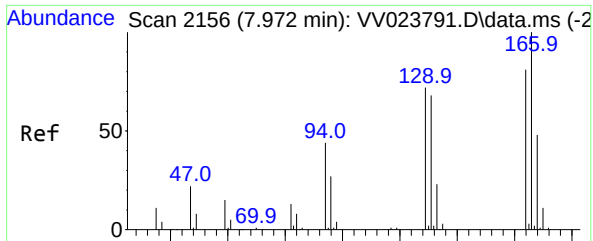
97 100

99 0.0 43.1 80.1#

83 15.5 57.9 107.5#

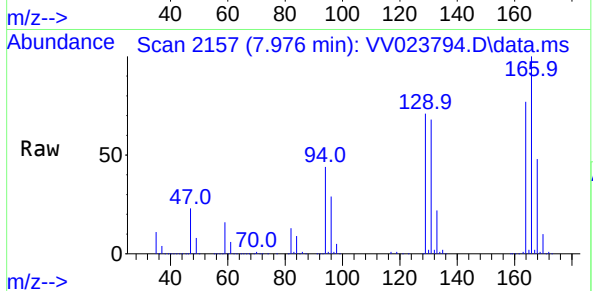
85 0.0 38.0 70.6#



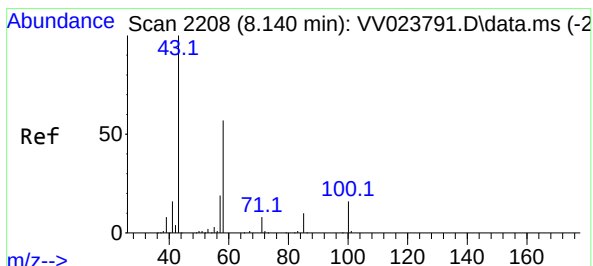
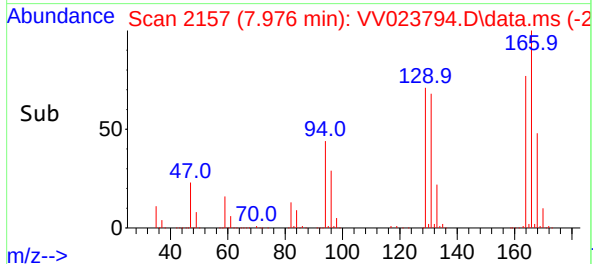
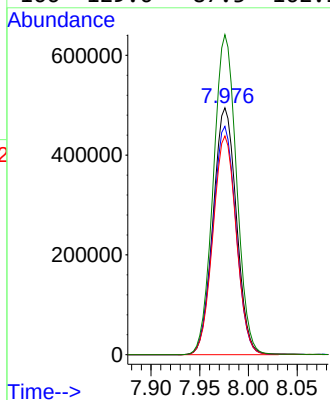


#47
Tetrachloroethene
Concen: 91.076 ug/L
RT: 7.976 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Instrument :
MSVOA_V
ClientSampleId :

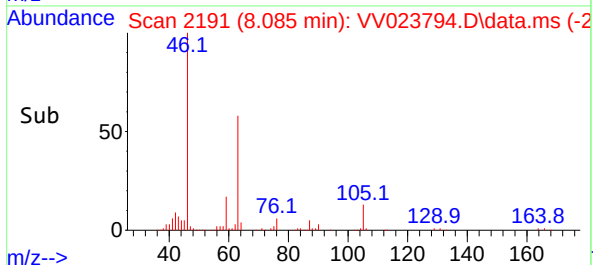
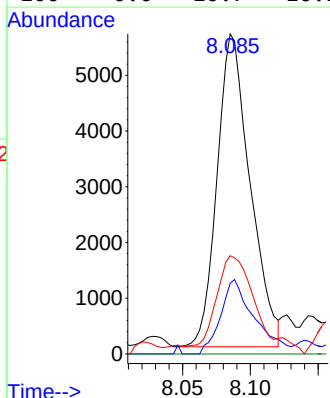
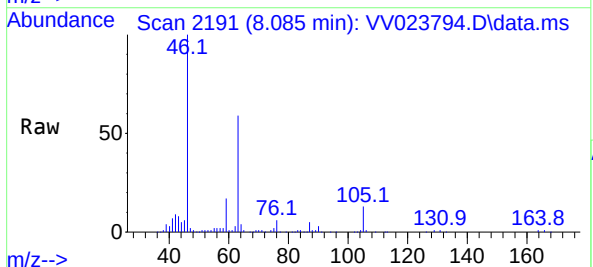


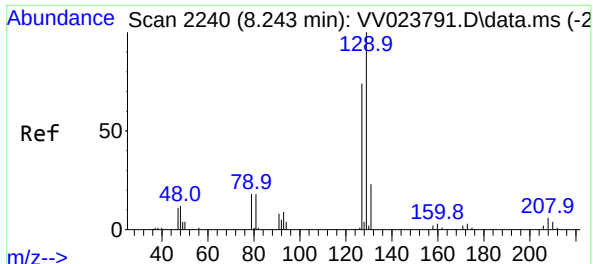
Tgt Ion:164 Resp: 825672
Ion Ratio Lower Upper
164 100
129 92.5 62.6 116.2
131 88.6 61.0 113.4
166 129.6 87.3 162.1



#48
2-Hexanone
Concen: 3.048 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.055 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion: 43 Resp: 9505
Ion Ratio Lower Upper
43 100
58 24.5 44.5 66.7#
57 38.5 15.1 22.7#
100 0.0 10.7 16.1#





#49

Dibromochloromethane

Concen: 89.035 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023794.D

Acq: 06 Dec 2021 13:45

Instrument :

MSVOA_V

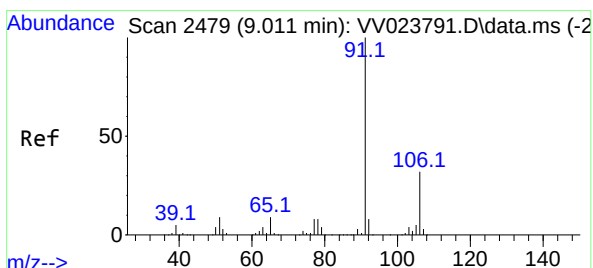
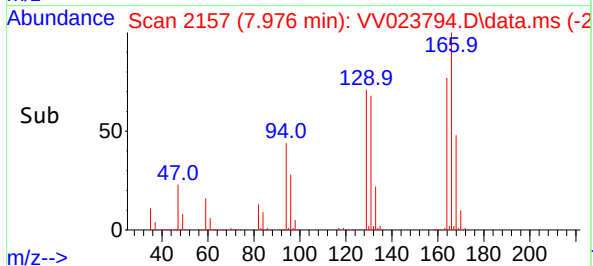
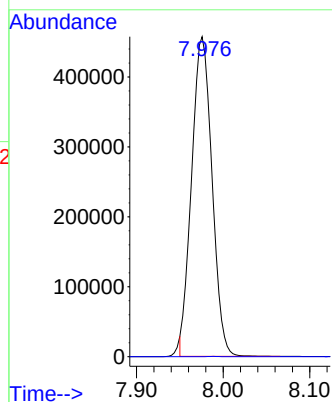
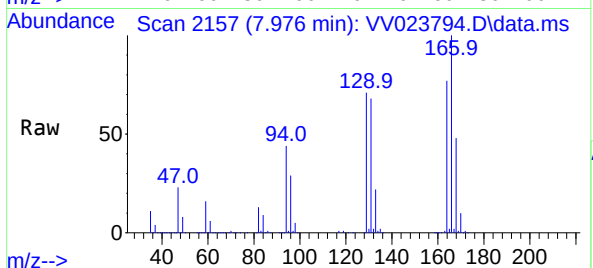
ClientSampleId :

Tgt Ion:129 Resp: 746664

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 7.475 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023794.D

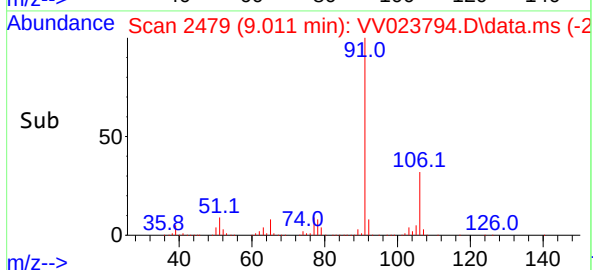
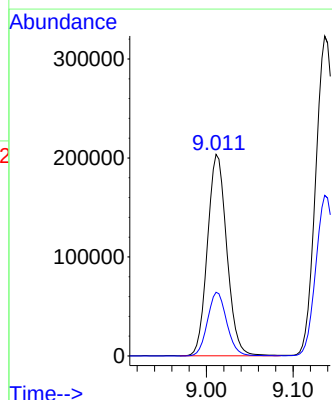
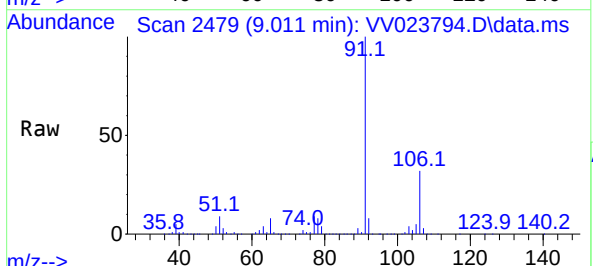
Acq: 06 Dec 2021 13:45

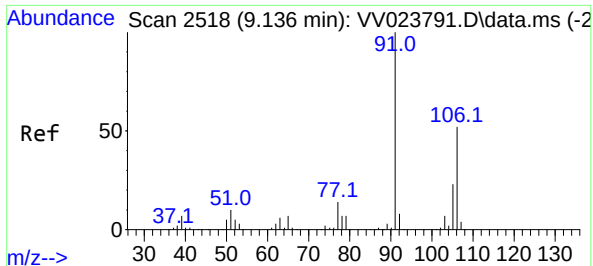
Tgt Ion: 91 Resp: 315049

Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0

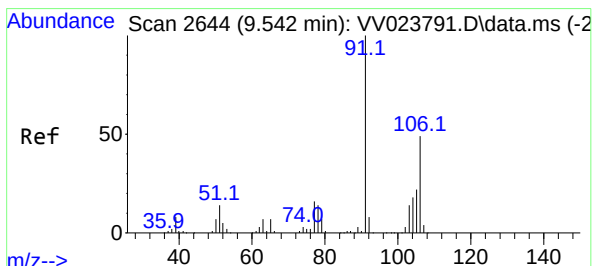
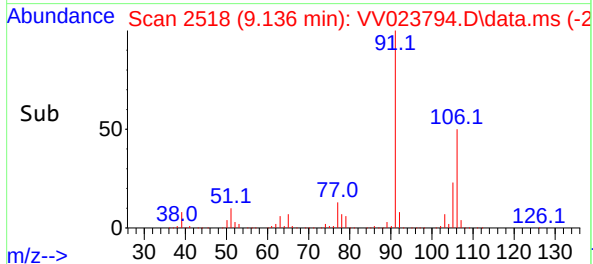
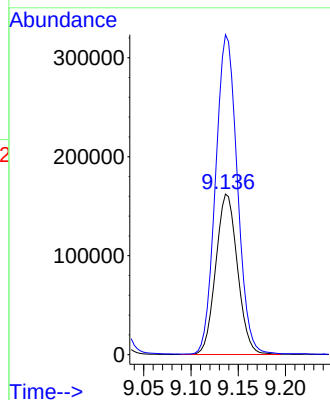
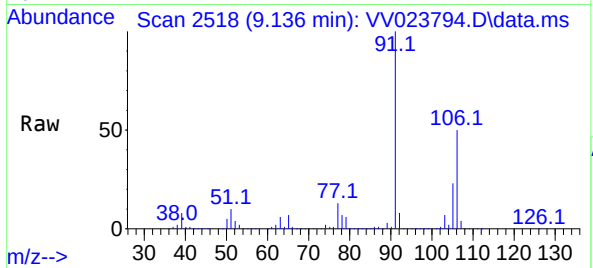




#53
m,p-xylene
Concen: 15.421 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

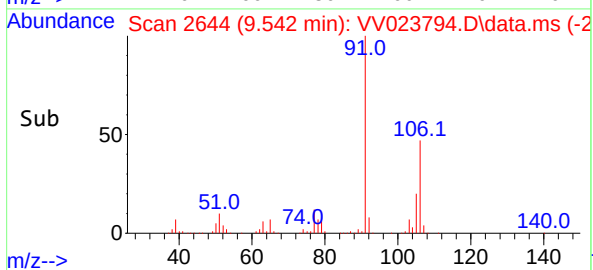
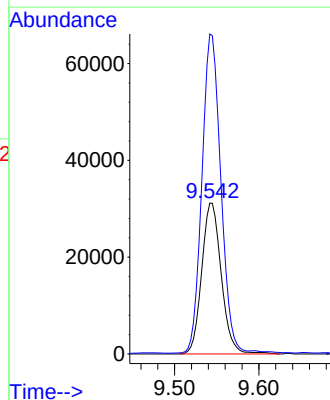
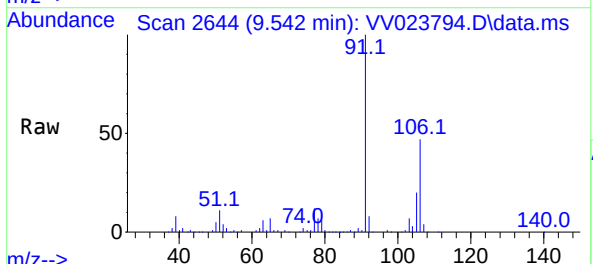
Instrument :
MSVOA_V
ClientSampleId :

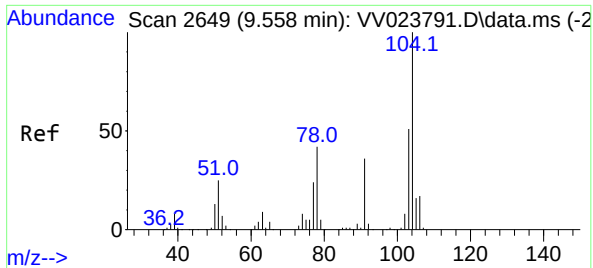
Tgt Ion:106 Resp: 258699
Ion Ratio Lower Upper
106 100
91 199.2 139.5 259.1



#54
o-xylene
Concen: 3.158 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion:106 Resp: 50384
Ion Ratio Lower Upper
106 100
91 212.1 147.9 274.7

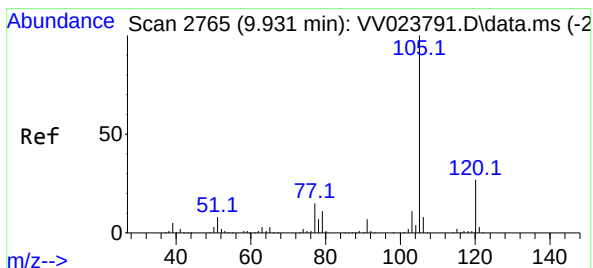
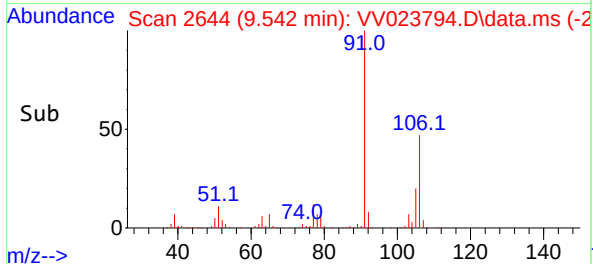
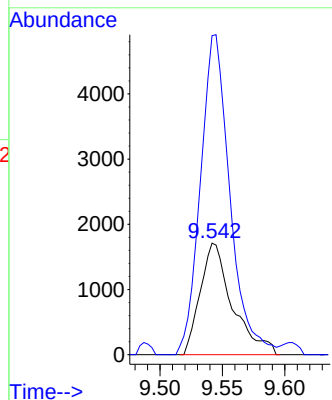
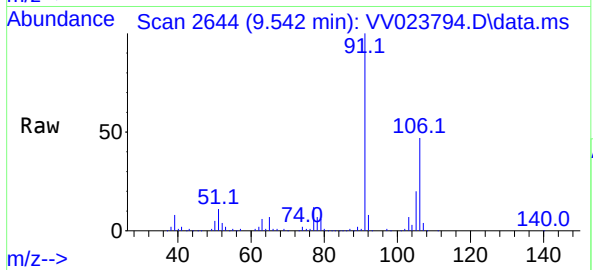




#55
Styrene
Concen: 0.114 ug/L
RT: 9.542 min Scan# 20
Delta R.T. -0.016 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

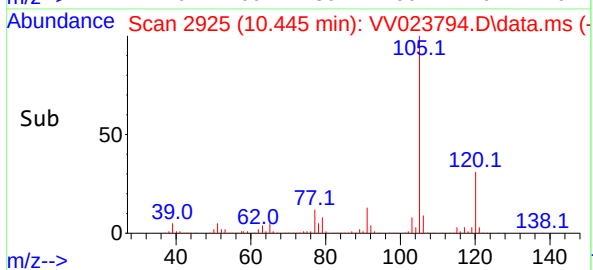
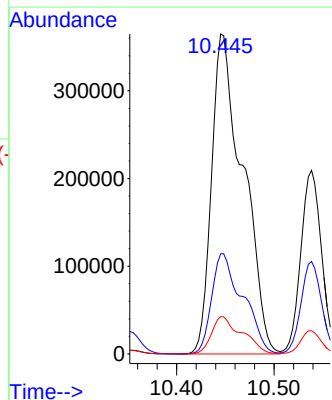
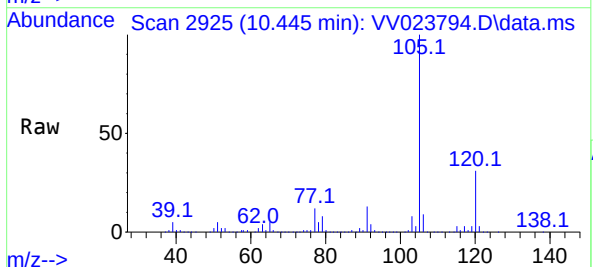
Instrument :
MSVOA_V
ClientSampleId :

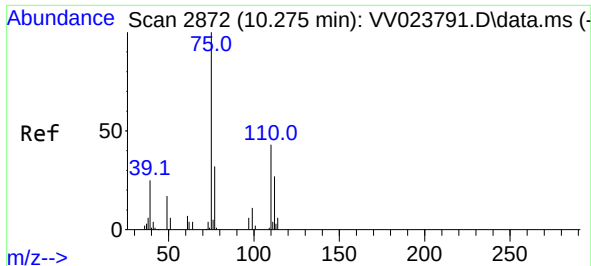
Tgt Ion:104 Resp: 3075
Ion Ratio Lower Upper
104 100
78 285.9 31.0 57.6#



#60
Isopropylbenzene
Concen: 18.536 ug/L
RT: 10.445 min Scan# 2925
Delta R.T. 0.515 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion:105 Resp: 817788
Ion Ratio Lower Upper
105 100
120 31.1 21.4 32.0
77 11.3 12.2 18.4#

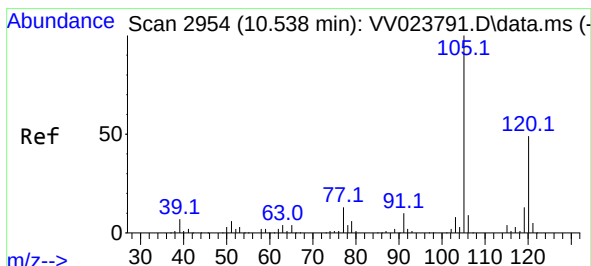
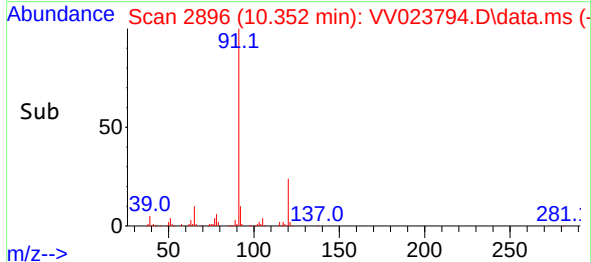
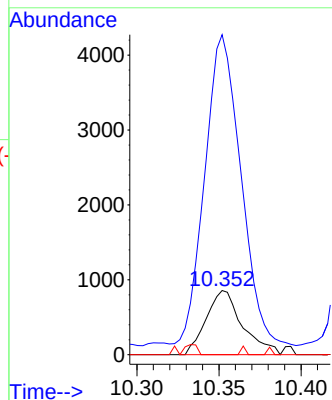
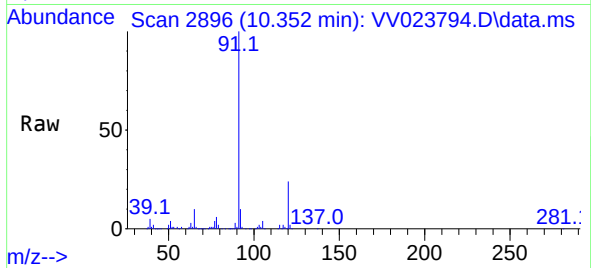




#61
1,2,3-Trichloropropane
Concen: 0.250 ug/L
RT: 10.352 min Scan# 2896
Delta R.T. 0.080 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

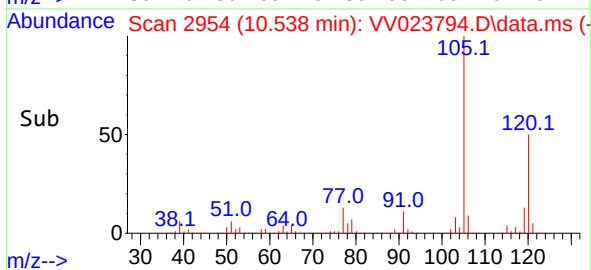
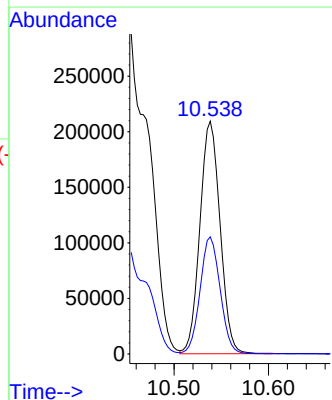
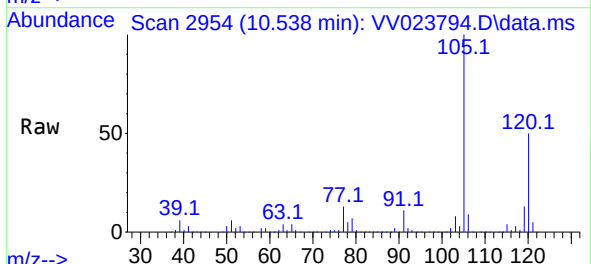
Instrument :
MSVOA_V
ClientSampleId :

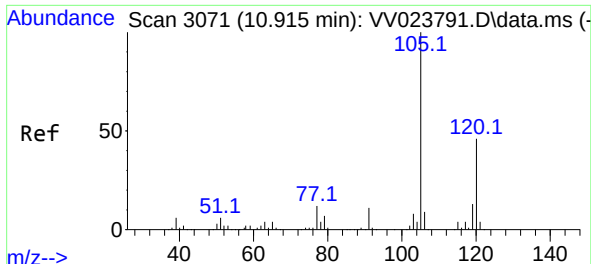
Tgt Ion: 75 Resp: 1312
Ion Ratio Lower Upper
75 100
77 483.2 26.4 39.6#
110 7.2 34.2 51.2#



#62
1,3,5-Trimethylbenzene
Concen: 8.468 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Tgt Ion: 105 Resp: 310883
Ion Ratio Lower Upper
105 100
120 49.9 40.1 60.1

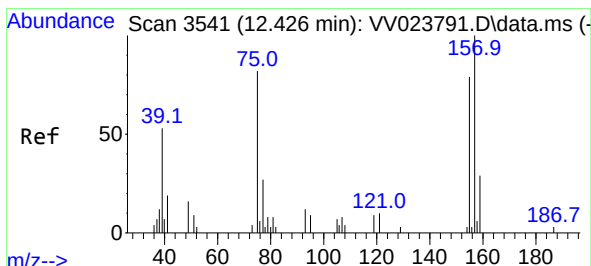
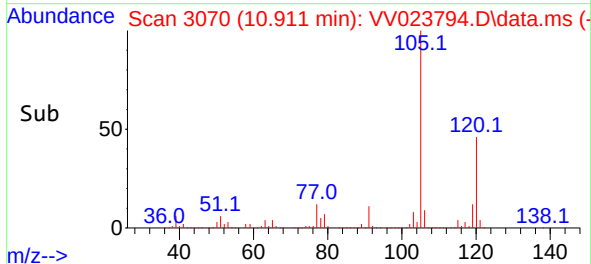
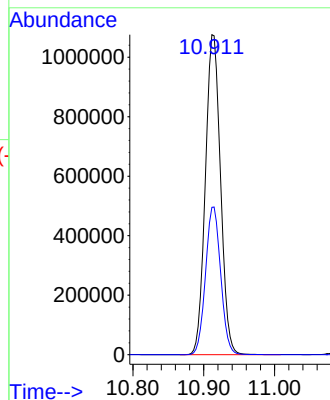
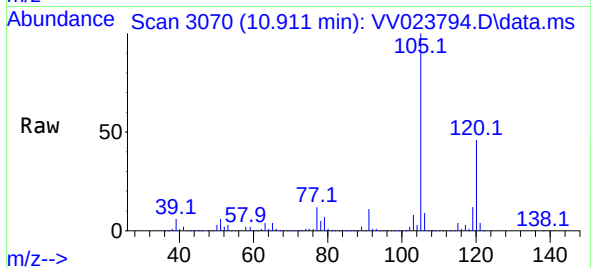




#63
1,2,4-Trimethylbenzene
Concen: 43.944 ug/L
RT: 10.911 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

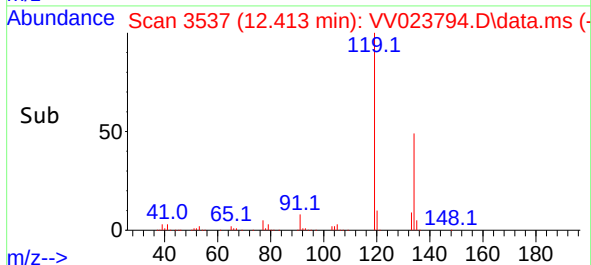
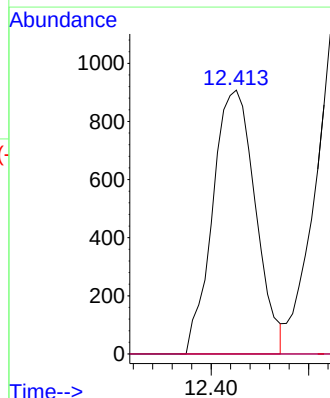
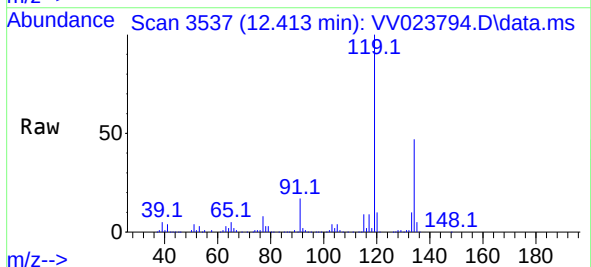
Instrument :
MSVOA_V
ClientSampleId :

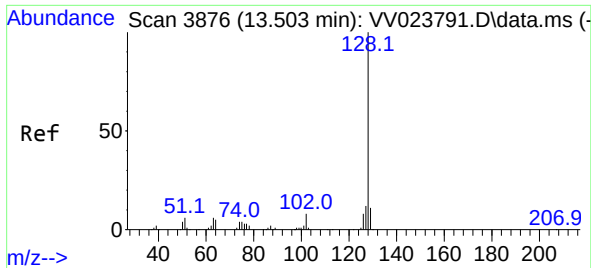
Tgt Ion:105 Resp: 1595416
Ion Ratio Lower Upper
105 100
120 46.1 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 1.331 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.013 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

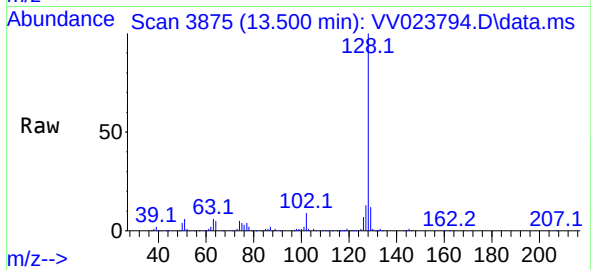
Tgt Ion: 75 Resp: 1385
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#





#71
Naphthalene
Concen: 11.468 ug/L
RT: 13.500 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV023794.D
Acq: 06 Dec 2021 13:45

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 210899
Ion Ratio Lower Upper
128 100
129 11.9 9.0 13.4
127 13.4 10.2 15.4

