

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023819.D
 Acq On : 07 Dec 2021 13:44
 Operator : SY/MD
 Sample : M4879-07DL 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:15:21 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	5.616	114	131320	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123220	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67718	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	35166	3.262	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.568	69	30746	3.628	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.600%
11) 1,1-Dichloroethene-d2	2.108	63	54098	2.847	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.000%#
20) 2-Butanone-d5	3.912	46	54963	42.411	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.820%
24) Chloroform-d	4.349	84	82661	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.037	65	39600	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.050	84	155854	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.069	67	45311	4.815	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.317	98	143774	4.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.625	79	16018	4.223	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.092	63	72122	57.229	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.460%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32470	4.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	60736	5.073	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.433	43	2013	0.761	ug/L #	50
16) Methylene chloride	2.510	84	9132	0.727	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	752	0.075	ug/L	87
22) cis-1,2-Dichloroethene	3.915	96	10645	1.108	ug/L	94
25) Chloroform	4.410	83	6479	0.345	ug/L #	28
30) Cyclohexane	4.677	56	21469	1.598	ug/L	99
34) Trichloroethene	5.915	95	41445	4.404	ug/L	96
35) Methylcyclohexane	6.130	83	8252	0.562	ug/L	98
37) 1,2-Dichloropropane	6.069	63	5672	0.679	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1435	0.121	ug/L	94
42) Toluene	7.403	91	3829	0.101	ug/L	89
45) 1,1,2-Trichloroethane	7.789	97	410	0.071	ug/L #	16
47) Tetrachloroethene	7.976	164	106362	12.418	ug/L	99
48) 2-Hexanone	8.088	43	7285	2.473	ug/L #	70
49) Dibromochloromethane	7.976	129	92822	11.715	ug/L #	11
52) Ethylbenzene	9.014	91	24174	0.607	ug/L	99
53) m,p-xylene	9.136	106	44127	2.784	ug/L	99
54) o-xylene	9.545	106	5234	0.347	ug/L	93
60) Isopropylbenzene	10.448	105	103223	2.553	ug/L #	91

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 Response via : Initial Calibration

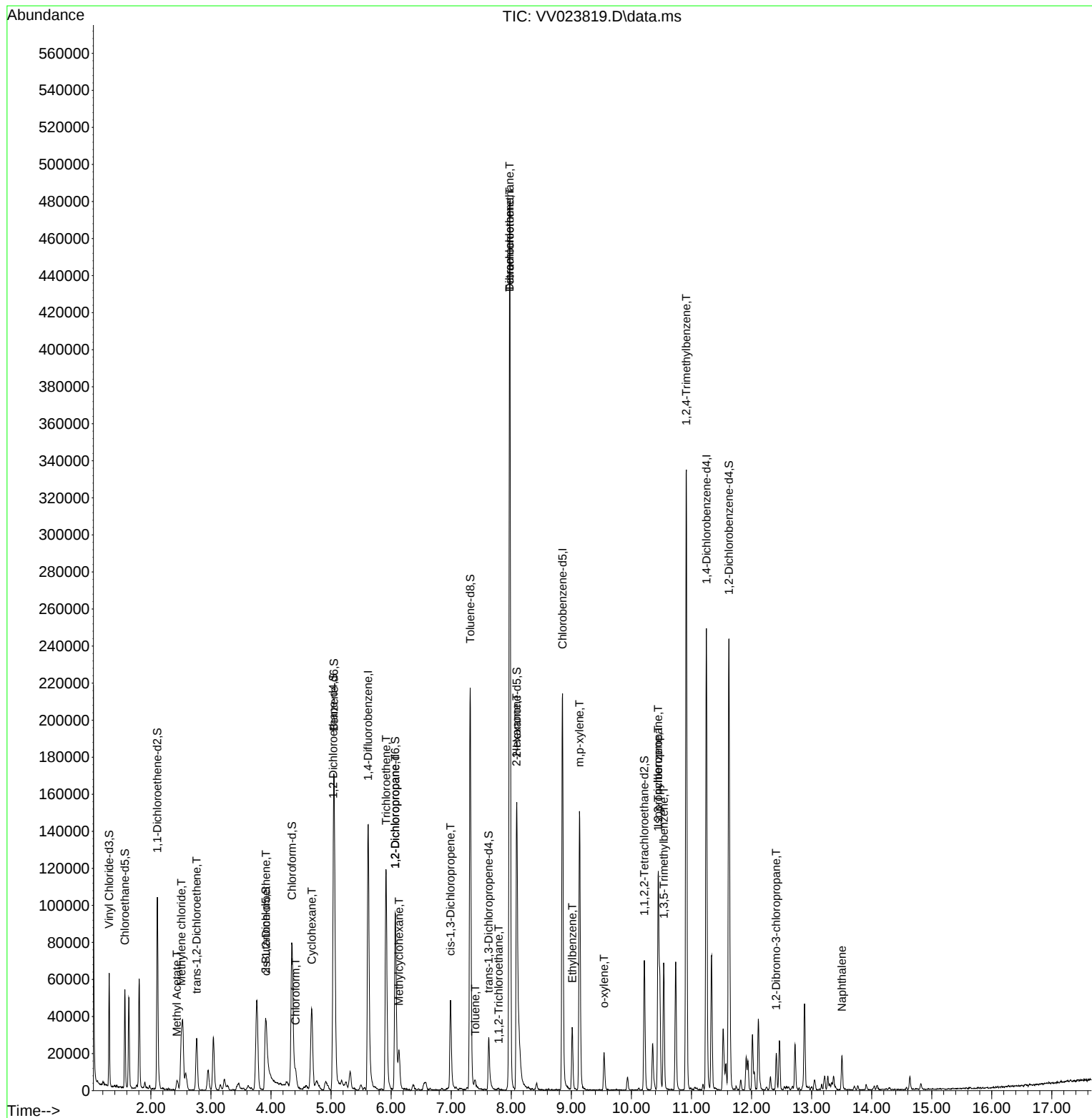
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.445	75	629	0.131	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	36956	1.098	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	181992	5.470	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.410	75	120	0.126	ug/L #	1
71) Naphthalene	13.506	128	15171	0.900	ug/L	98

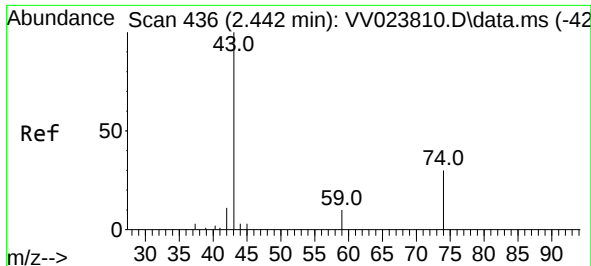
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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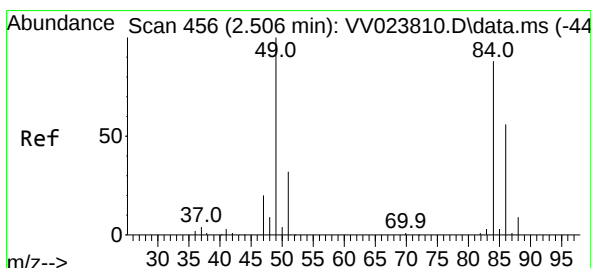
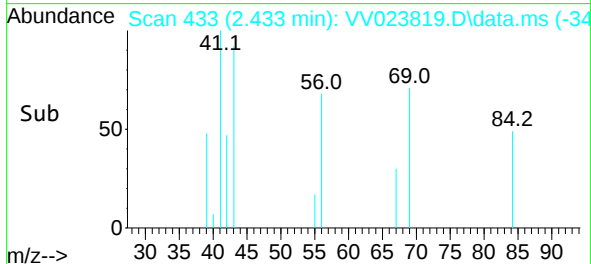
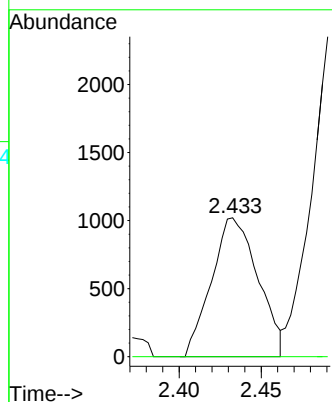
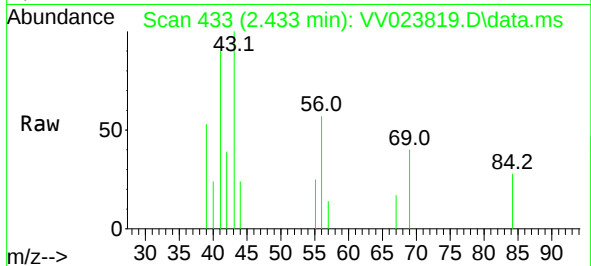




#15
Methyl Acetate
Concen: 0.761 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

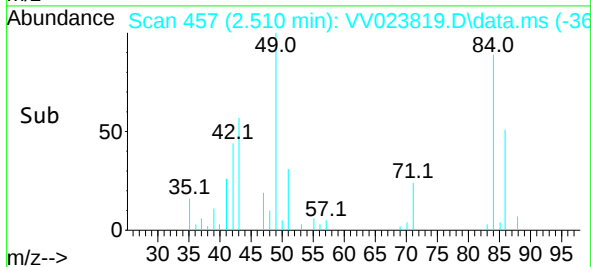
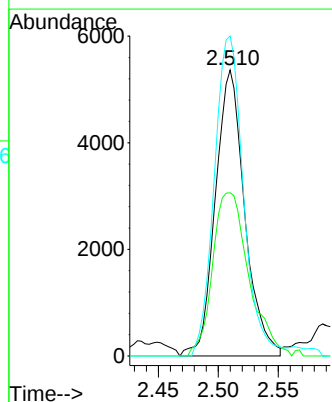
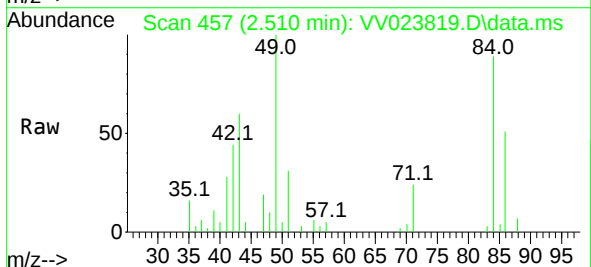
Instrument :
MSVOA_V
ClientSampleId :

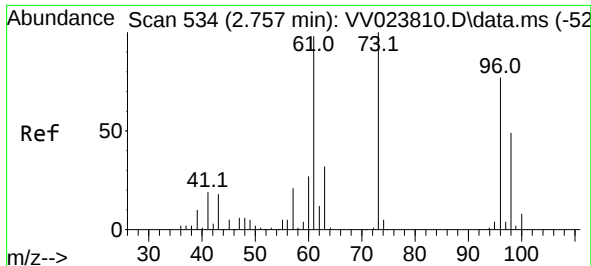
Tgt Ion: 43 Resp: 2013
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#16
Methylene chloride
Concen: 0.727 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion: 84 Resp: 9132
Ion Ratio Lower Upper
84 100
86 57.1 42.6 79.0
49 111.9 79.7 147.9

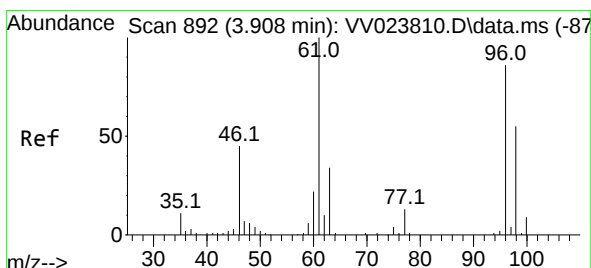
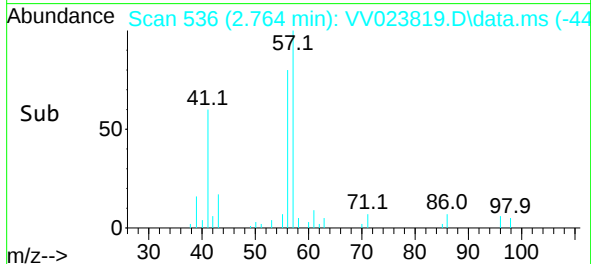
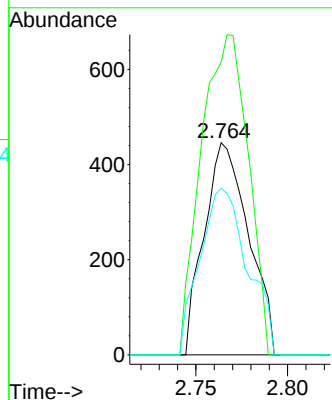
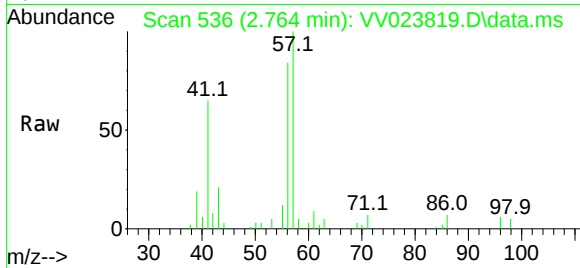




#18
 trans-1,2-Dichloroethene
 Concen: 0.075 ug/L
 RT: 2.764 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VV023819.D
 Acq: 07 Dec 2021 13:44

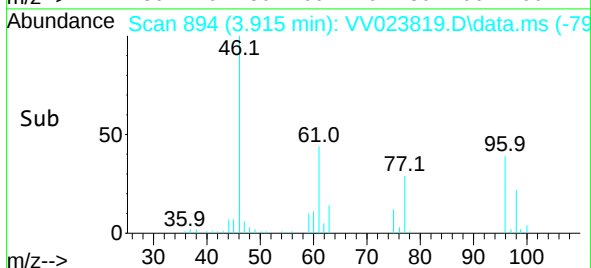
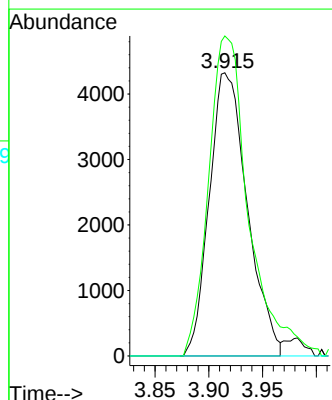
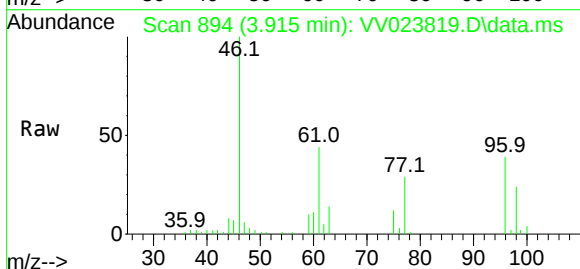
Instrument :
 MSVOA_V
 ClientSampleId :

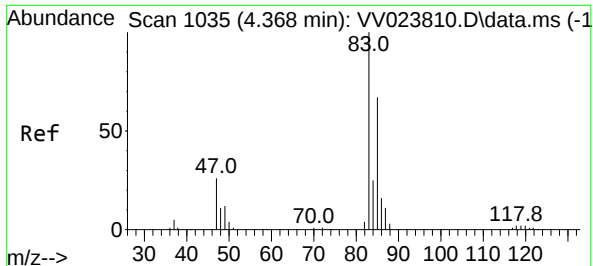
Tgt Ion: 96 Resp: 752
 Ion Ratio Lower Upper
 96 100
 61 137.9 88.2 163.8
 98 78.5 44.9 83.5



#22
 cis-1,2-Dichloroethene
 Concen: 1.108 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.007 min
 Lab File: VV023819.D
 Acq: 07 Dec 2021 13:44

Tgt Ion: 96 Resp: 10645
 Ion Ratio Lower Upper
 96 100
 61 113.0 83.4 154.8
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.345 ug/L

RT: 4.410 min Scan# 110

Delta R.T. 0.039 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Instrument :

MSVOA_V

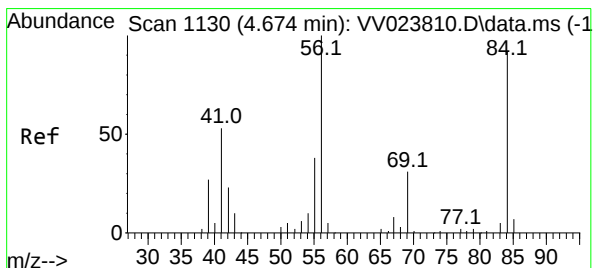
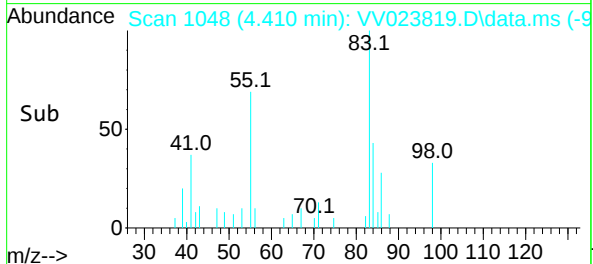
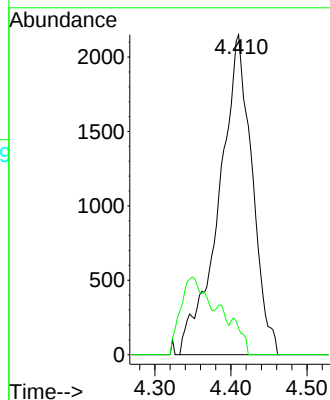
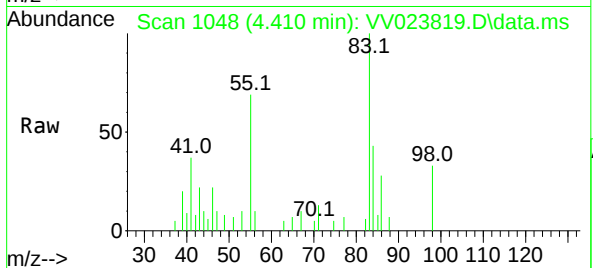
ClientSampleId :

Tgt Ion: 83 Resp: 6479

Ion Ratio Lower Upper

83 100

85 8.2 45.2 84.0#



#30

Cyclohexane

Concen: 1.598 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

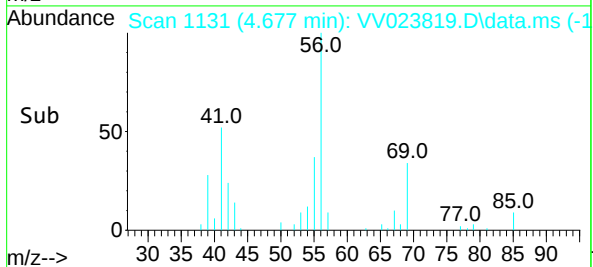
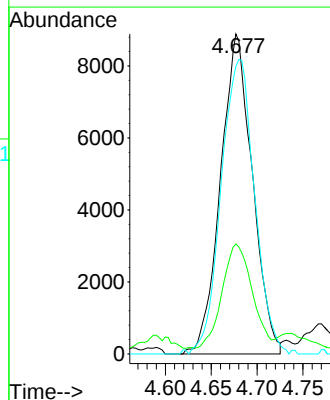
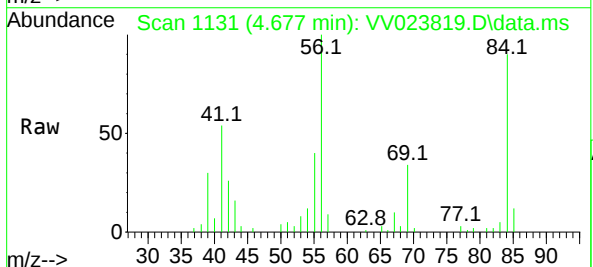
Tgt Ion: 56 Resp: 21469

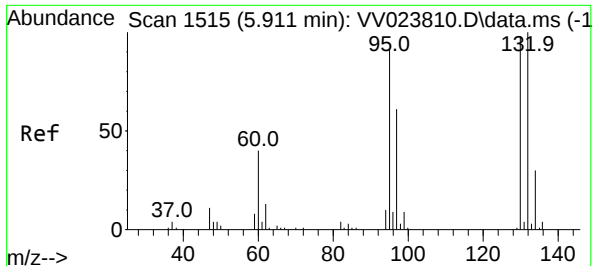
Ion Ratio Lower Upper

56 100

69 30.7 24.8 37.2

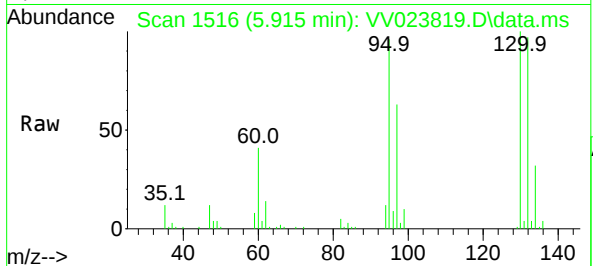
84 96.5 75.9 113.9



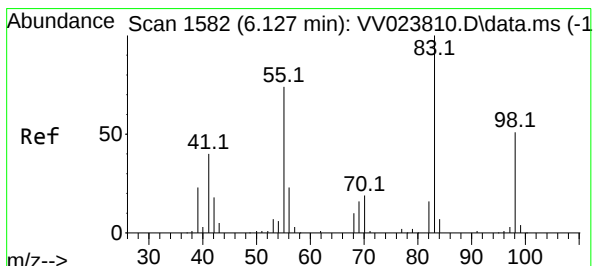
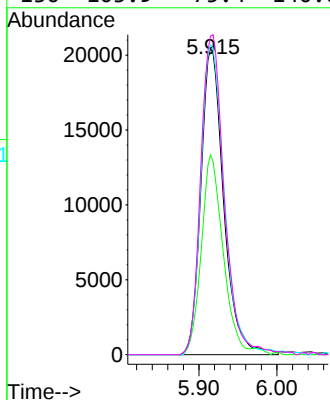
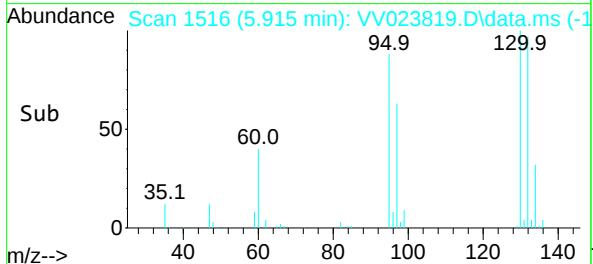


#34
Trichloroethene
Concen: 4.404 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

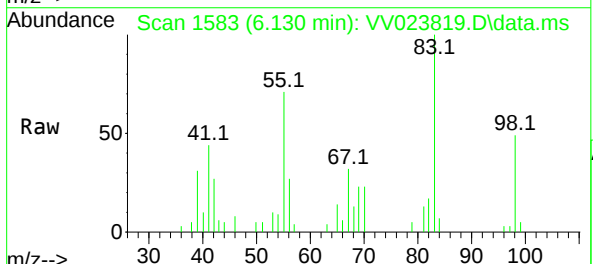
Instrument :
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ClientSampleId :



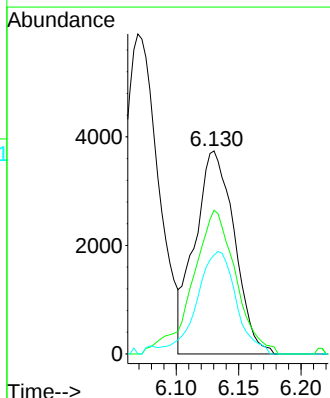
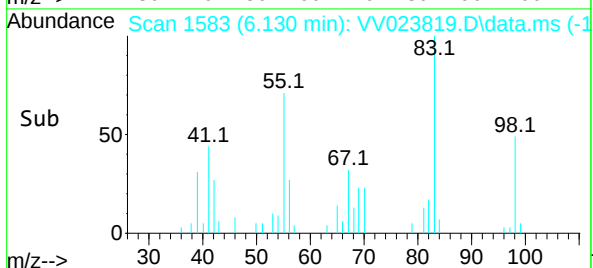
Tgt Ion: 95 Resp: 41445
Ion Ratio Lower Upper
95 100
97 65.2 45.2 84.0
132 101.1 76.1 141.3
130 103.9 75.4 140.0

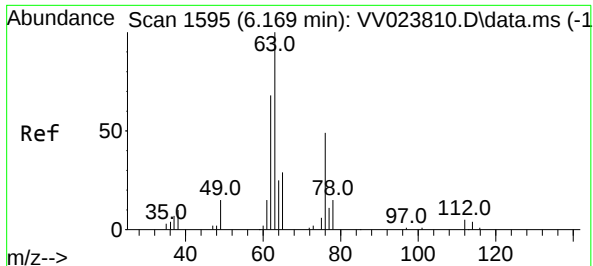


#35
Methylcyclohexane
Concen: 0.562 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44



Tgt Ion: 83 Resp: 8252
Ion Ratio Lower Upper
83 100
55 76.9 60.2 90.2
98 50.2 41.0 61.4

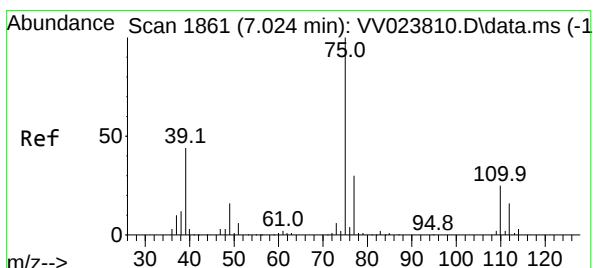
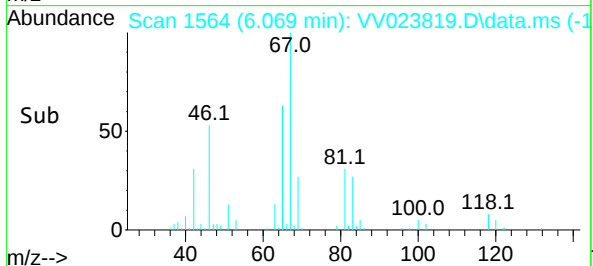
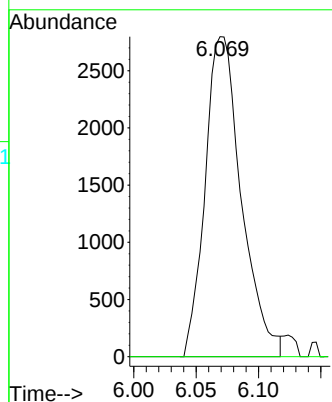
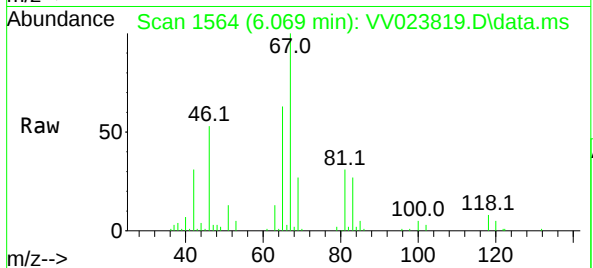




#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 6.069 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

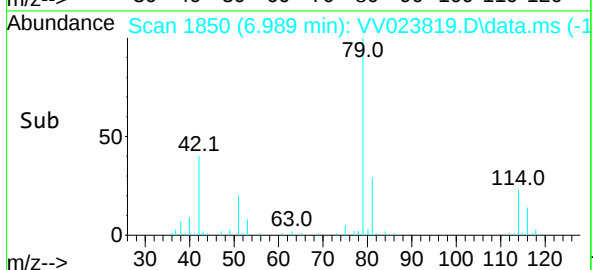
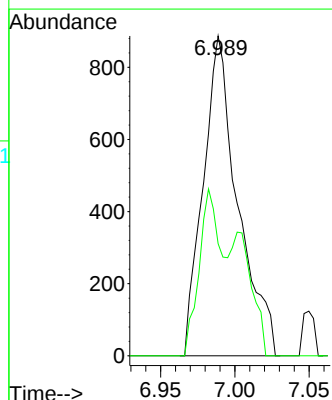
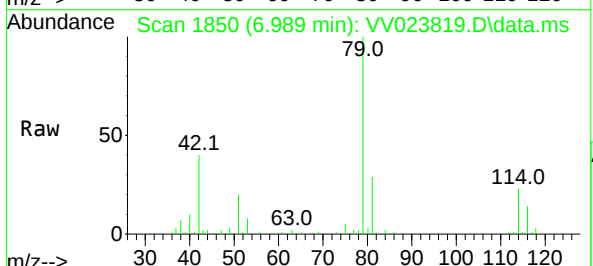
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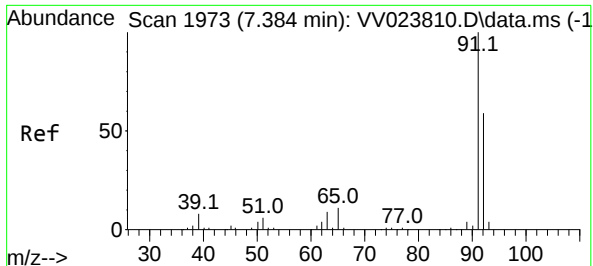
Tgt Ion: 63 Resp: 5672
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.121 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion: 75 Resp: 1435
Ion Ratio Lower Upper
75 100
77 35.1 22.0 41.0





#42

Toluene

Concen: 0.101 ug/L

RT: 7.403 min Scan# 1973

Delta R.T. 0.019 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Instrument :

MSVOA_V

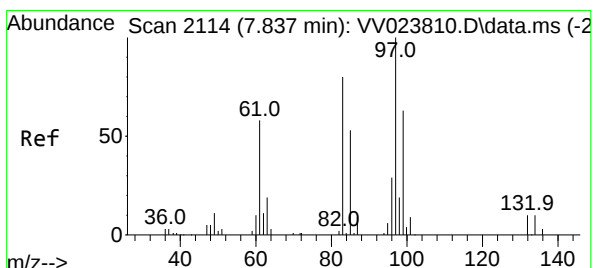
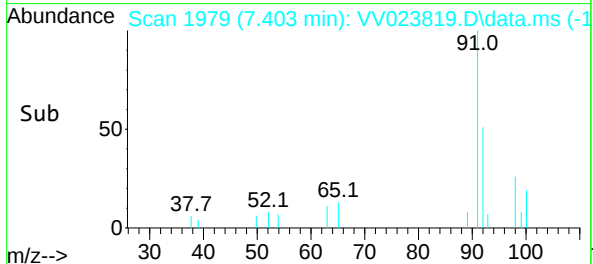
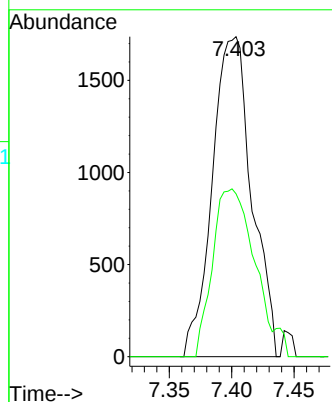
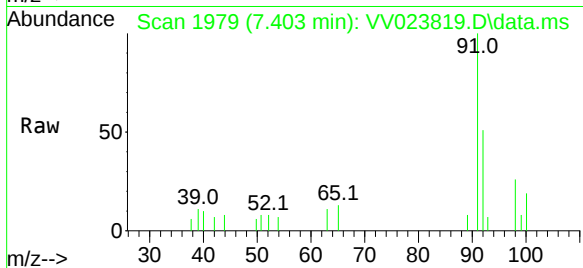
ClientSampleId :

Tgt Ion: 91 Resp: 3829

Ion Ratio Lower Upper

91 100

92 50.9 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.071 ug/L

RT: 7.789 min Scan# 2099

Delta R.T. -0.048 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Tgt Ion: 97 Resp: 410

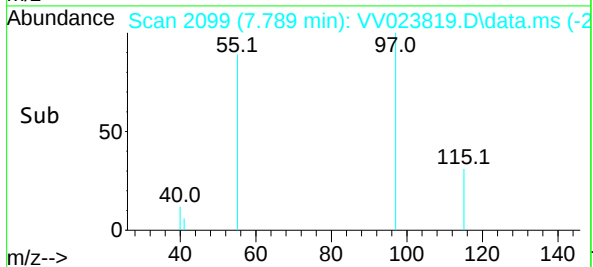
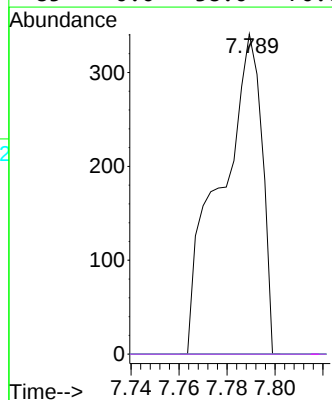
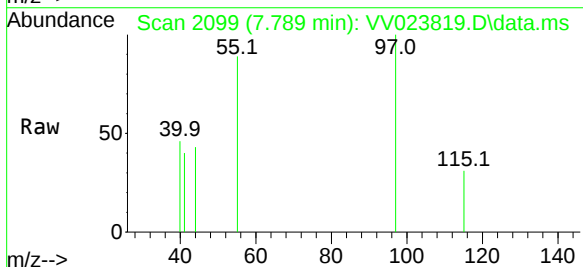
Ion Ratio Lower Upper

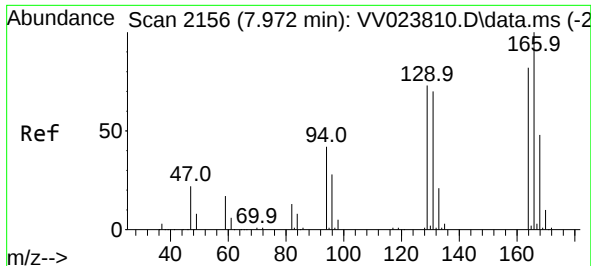
97 100

99 0.0 43.1 80.1#

83 0.0 57.9 107.5#

85 0.0 38.0 70.6#





#47

Tetrachloroethene

Concen: 12.418 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

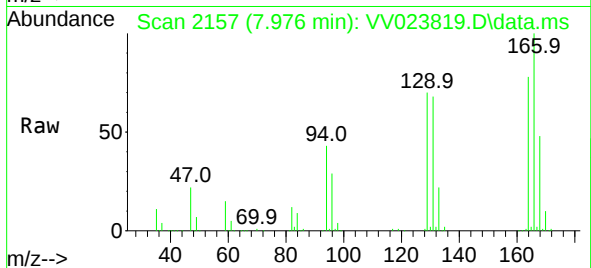
Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 106362

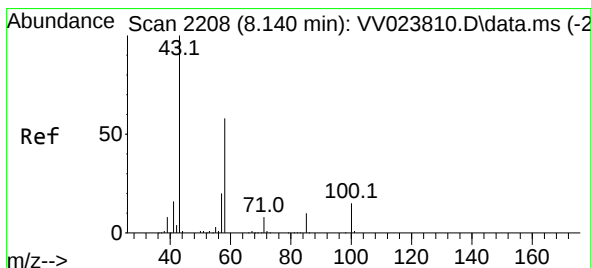
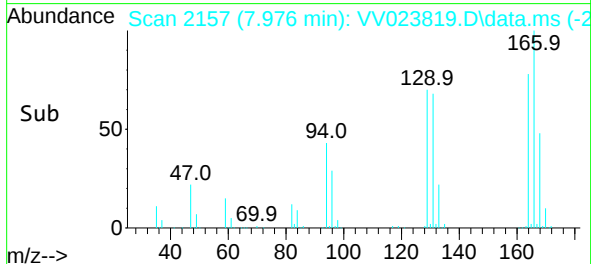
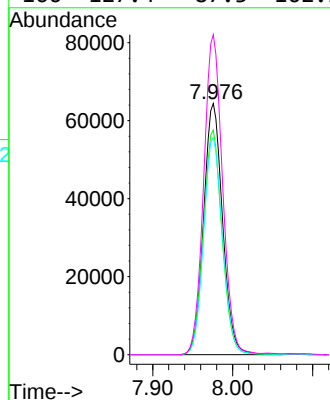
Ion Ratio Lower Upper

164 100

129 89.5 62.6 116.2

131 86.3 61.0 113.4

166 127.4 87.3 162.1



#48

2-Hexanone

Concen: 2.473 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. -0.051 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Tgt Ion: 43 Resp: 7285

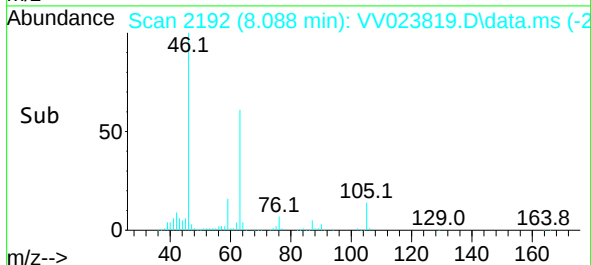
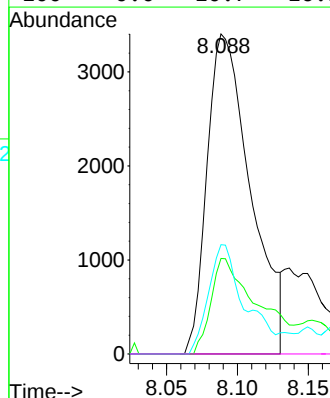
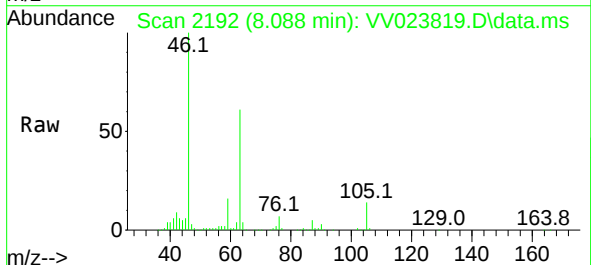
Ion Ratio Lower Upper

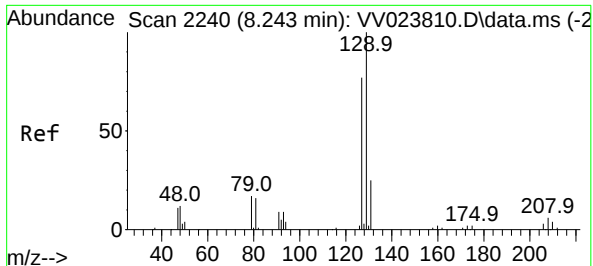
43 100

58 32.7 44.5 66.7#

57 28.7 15.1 22.7#

100 0.0 10.7 16.1#





#49

Dibromochloromethane

Concen: 11.715 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023819.D

Acq: 07 Dec 2021 13:44

Instrument :

MSVOA_V

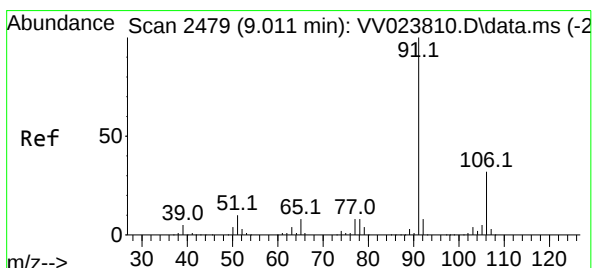
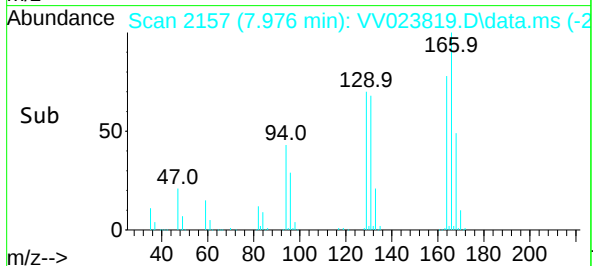
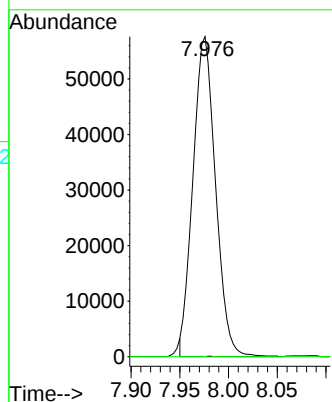
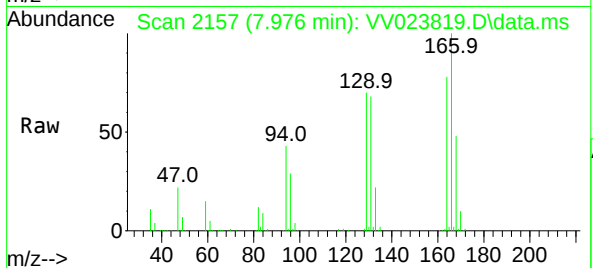
ClientSampleId :

Tgt Ion:129 Resp: 92822

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 0.607 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV023819.D

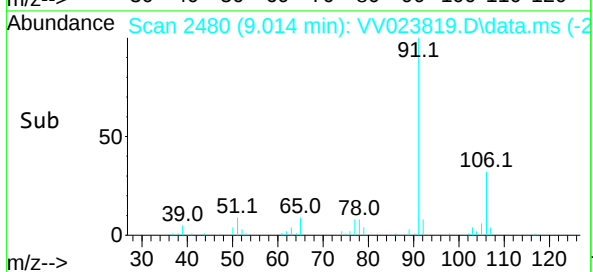
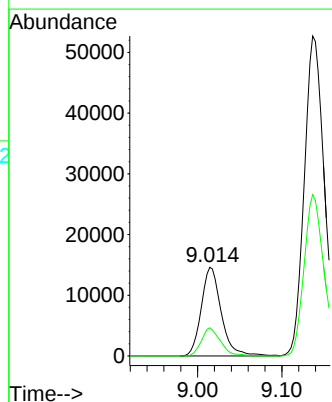
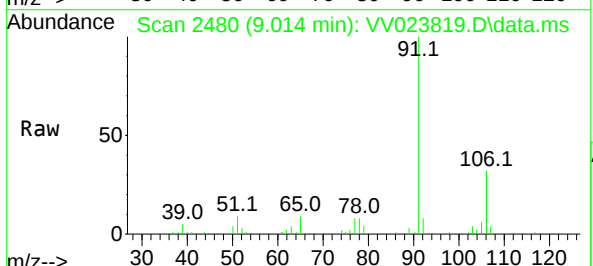
Acq: 07 Dec 2021 13:44

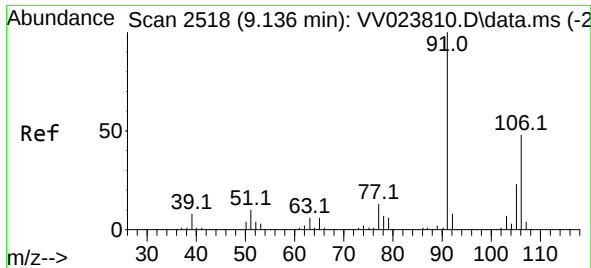
Tgt Ion: 91 Resp: 24174

Ion Ratio Lower Upper

91 100

106 31.8 22.0 41.0

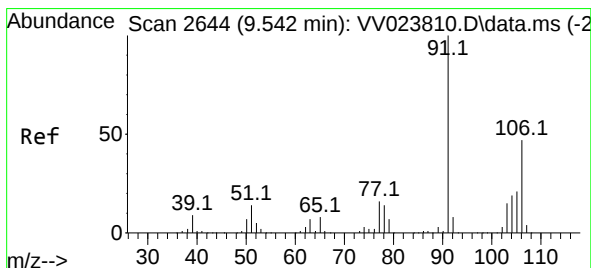
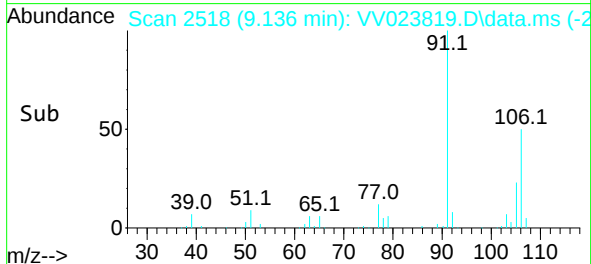
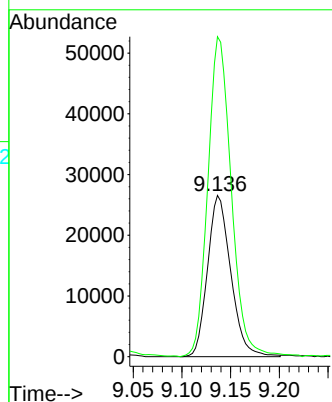
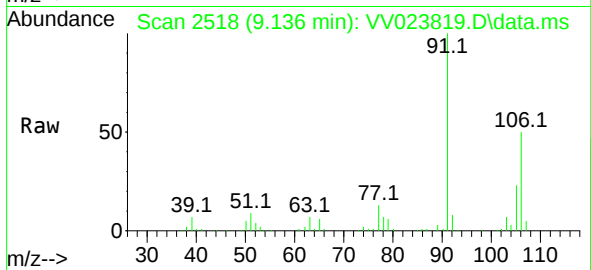




#53
m,p-xylene
Concen: 2.784 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

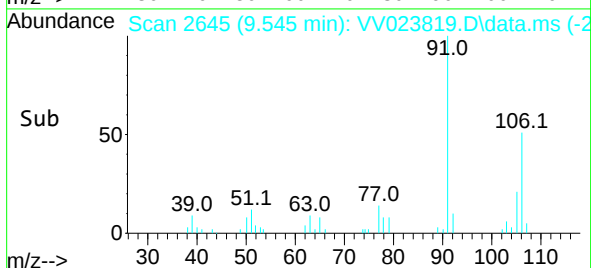
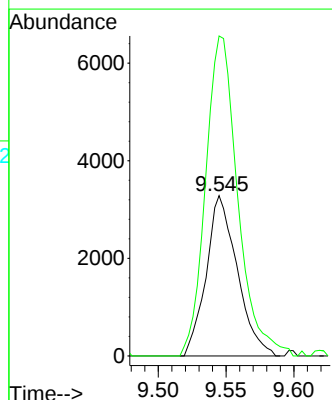
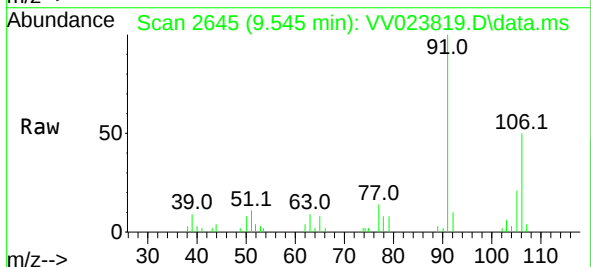
Instrument :
MSVOA_V
ClientSampleId :

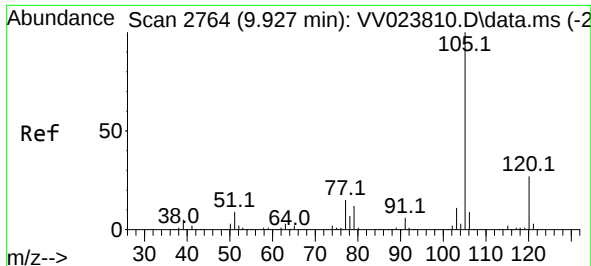
Tgt Ion:106 Resp: 44127
Ion Ratio Lower Upper
106 100
91 198.5 139.5 259.1



#54
o-xylene
Concen: 0.347 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion:106 Resp: 5234
Ion Ratio Lower Upper
106 100
91 199.6 147.9 274.7

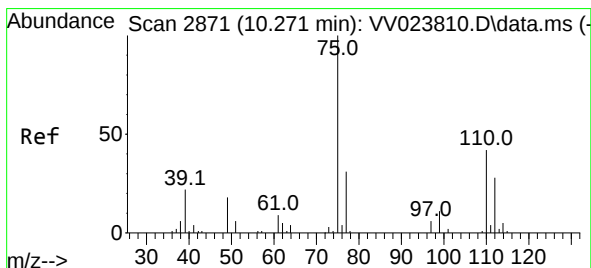
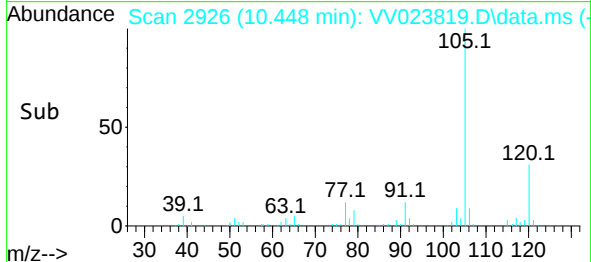
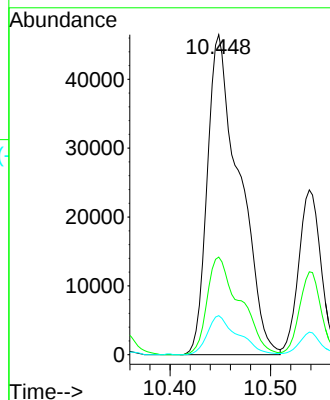
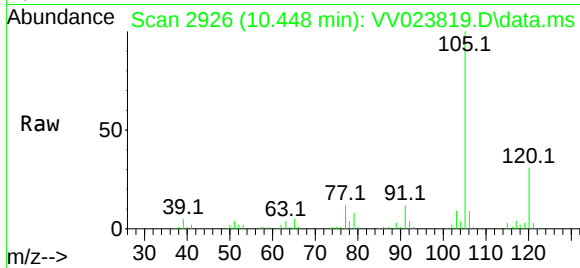




#60
Isopropylbenzene
Concen: 2.553 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.518 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

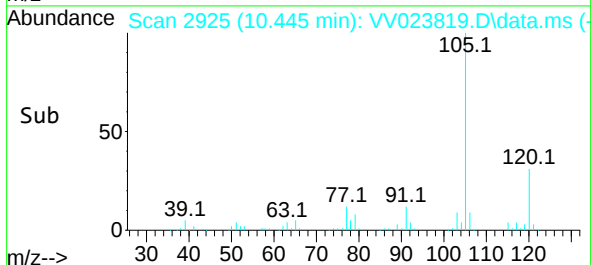
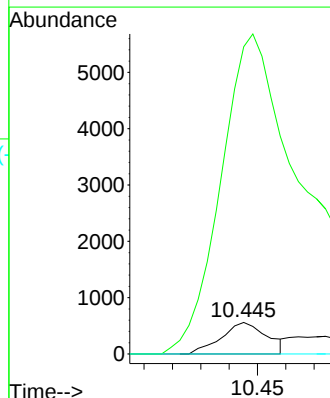
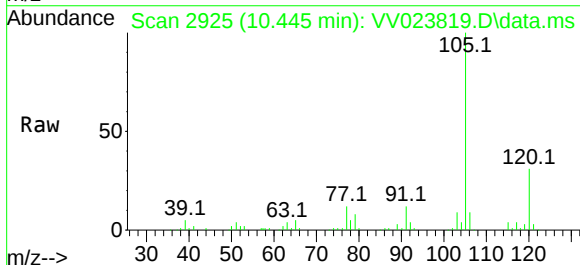
Instrument :
MSVOA_V
ClientSampleId :

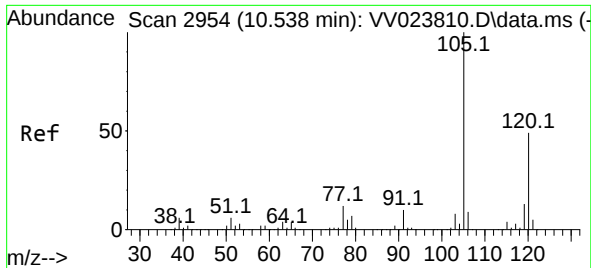
Tgt Ion:105 Resp: 103223
Ion Ratio Lower Upper
105 100
120 31.3 21.4 32.0
77 11.6 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.131 ug/L
RT: 10.445 min Scan# 2925
Delta R.T. 0.174 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion: 75 Resp: 629
Ion Ratio Lower Upper
75 100
77 1909.9 26.4 39.6#
110 0.0 34.2 51.2#

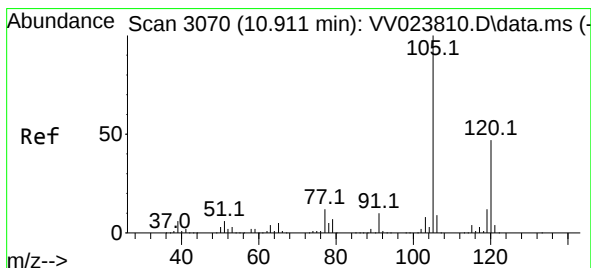
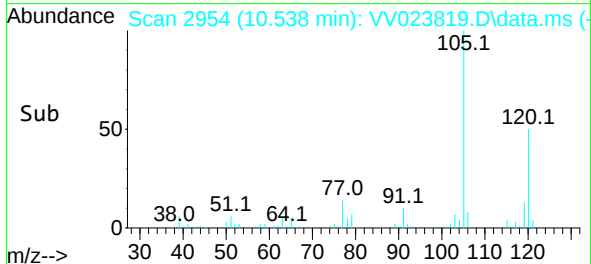
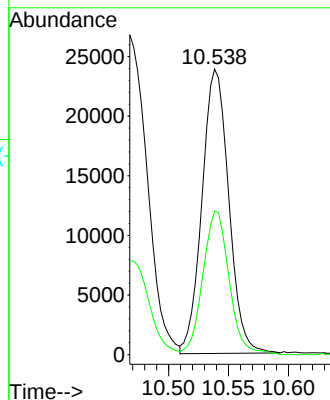
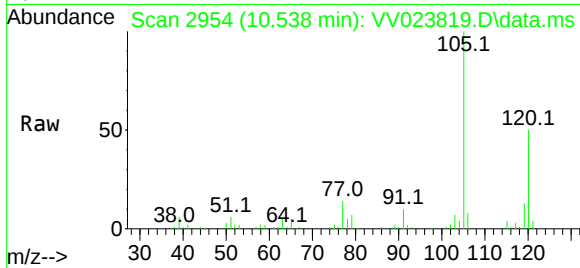




#62
1,3,5-Trimethylbenzene
Concen: 1.098 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

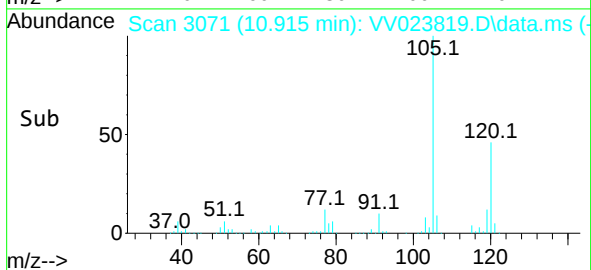
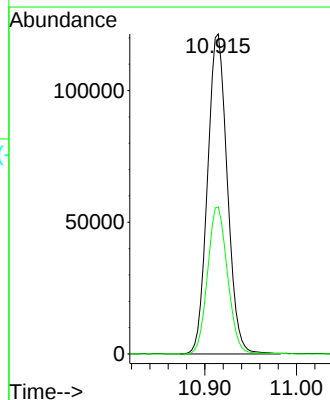
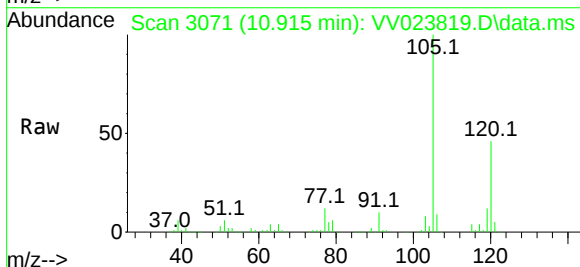
Instrument :
MSVOA_V
ClientSampleId :

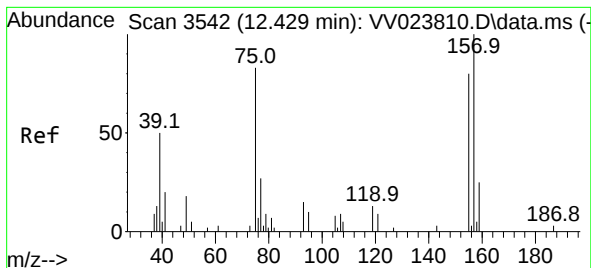
Tgt Ion:105 Resp: 36956
Ion Ratio Lower Upper
105 100
120 49.8 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 5.470 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion:105 Resp: 181992
Ion Ratio Lower Upper
105 100
120 46.4 36.7 55.1

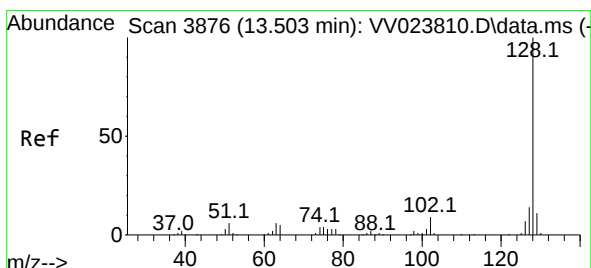
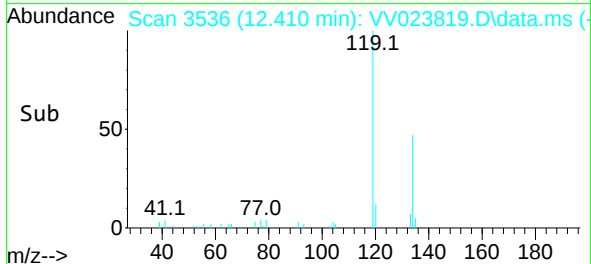
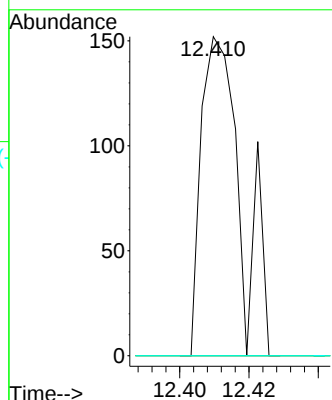
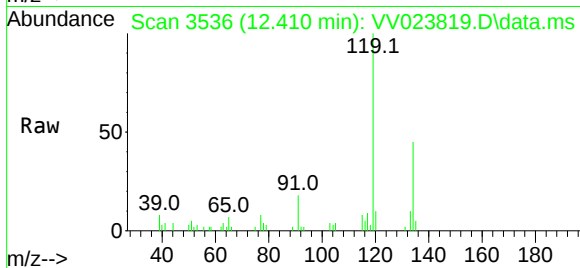




#68
1,2-Dibromo-3-chloropropane
Concen: 0.126 ug/L
RT: 12.410 min Scan# 31
Delta R.T. -0.016 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#



#71
Naphthalene
Concen: 0.900 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV023819.D
Acq: 07 Dec 2021 13:44

Tgt Ion: 128 Resp: 15171
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 13.8 10.2 15.4

