

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023829.D
 Acq On : 07 Dec 2021 17:44
 Operator : SY/MD
 Sample : M4879-02DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:16:50 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	148229	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	136747	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	75807	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37645	3.094	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.800%
7) Chloroethane-d5	1.568	69	33126	3.463	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.108	63	55386	2.583	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.600%#
20) 2-Butanone-d5	3.905	46	99288	67.874	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.740%#
24) Chloroform-d	4.349	84	91848	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.034	65	43483	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.050	84	174338	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.069	67	52072	4.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.317	98	158592	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.622	79	19823	4.709	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.092	63	88364	63.181	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37646	5.010	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	67025	5.001	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	810	0.066	ug/L	94
6) Bromomethane	1.523	94	467	0.064	ug/L	94
16) Methylene chloride	2.510	84	11528	0.813	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	742	0.066	ug/L #	77
22) cis-1,2-Dichloroethene	3.918	96	17283	1.593	ug/L	93
27) 1,2-Dichloroethane	5.053	62	1255	0.111	ug/L #	73
30) Cyclohexane	4.674	56	7242	0.486	ug/L	92
34) Trichloroethene	5.918	95	17409	1.667	ug/L	96
35) Methylcyclohexane	6.133	83	3614	0.222	ug/L	93
37) 1,2-Dichloropropane	6.069	63	6272	0.677	ug/L #	84
42) Toluene	7.394	91	11017	0.261	ug/L	96
47) Tetrachloroethene	7.976	164	99980	10.518	ug/L	99
49) Dibromochloromethane	7.973	129	90139	10.251	ug/L #	11
52) Ethylbenzene	9.014	91	39379	0.891	ug/L	98
53) m,p-xylene	9.140	106	30172	1.715	ug/L	94
54) o-xylene	9.548	106	6253	0.374	ug/L	98
60) Isopropylbenzene	9.934	105	5553	0.123	ug/L #	67
61) 1,2,3-Trichloropropane	10.442	75	604	0.112	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	35129	0.933	ug/L	98

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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

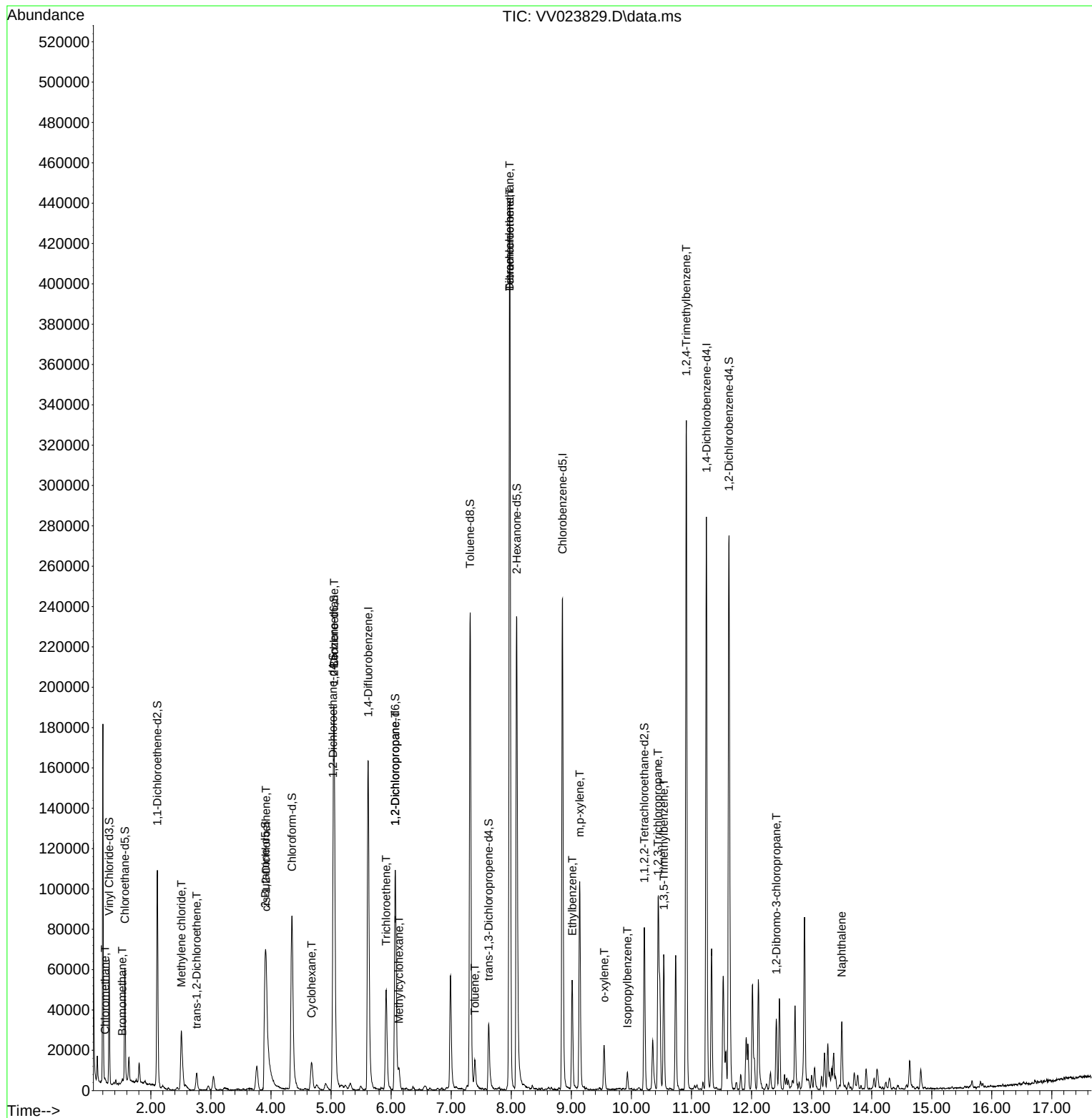
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	179847	4.828	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	116	0.109	ug/L #	1
71) Naphthalene	13.503	128	28385	1.504	ug/L	98

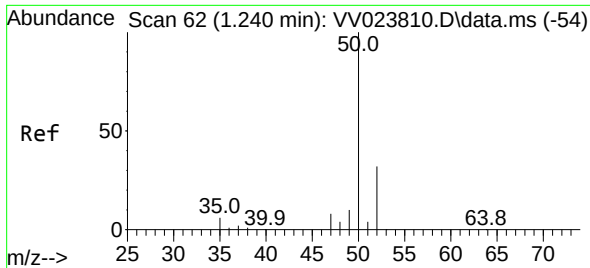
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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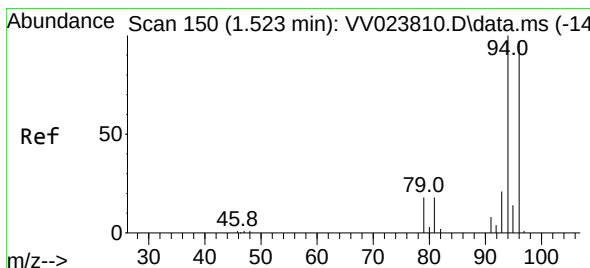
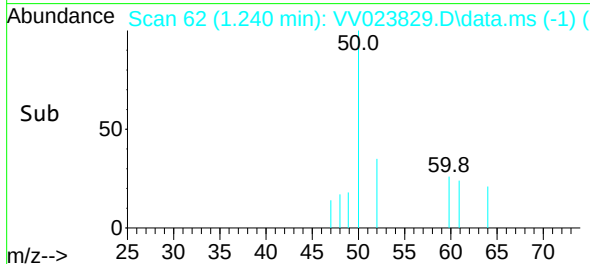
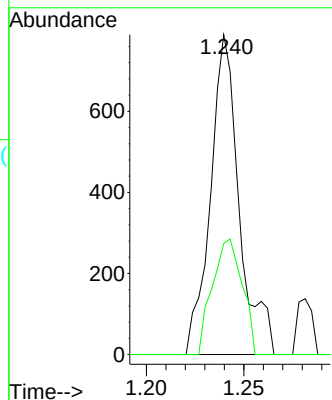
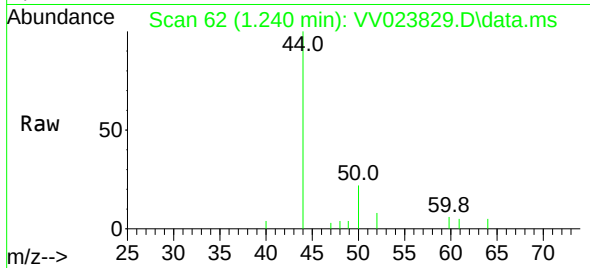




#3
Chloromethane
Concen: 0.066 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

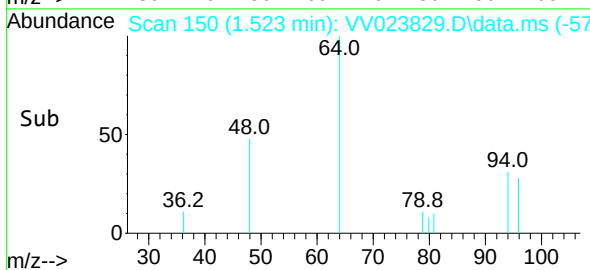
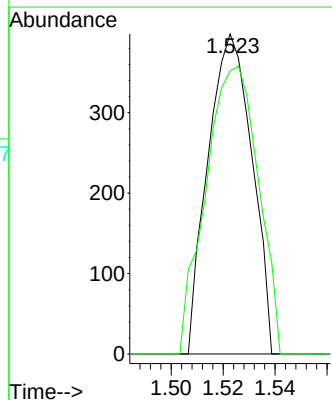
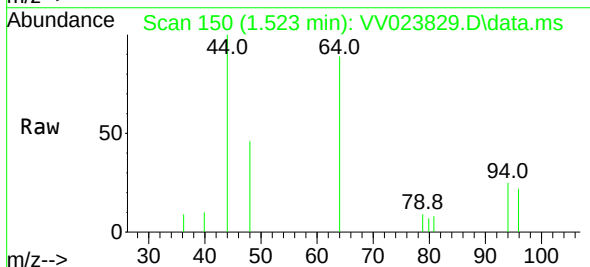
Instrument :
MSVOA_V
ClientSampleId :

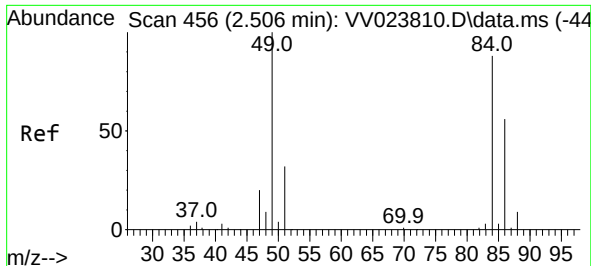
Tgt Ion: 50 Resp: 810
Ion Ratio Lower Upper
50 100
52 34.7 22.0 41.0



#6
Bromomethane
Concen: 0.064 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.000 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

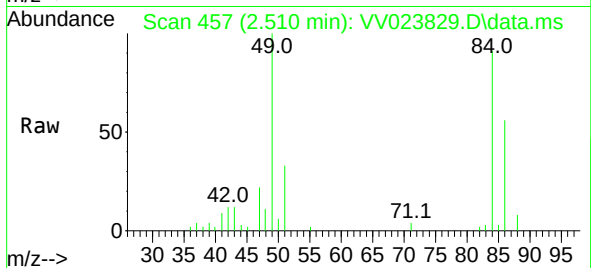
Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 88.4 66.2 123.0



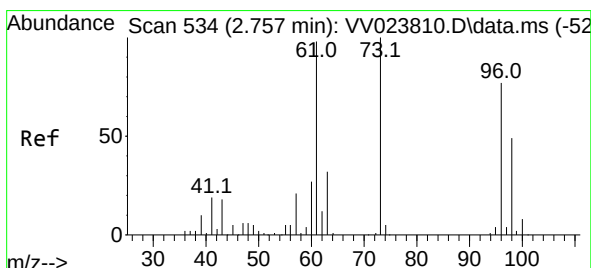
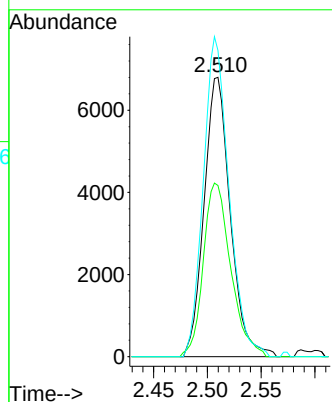
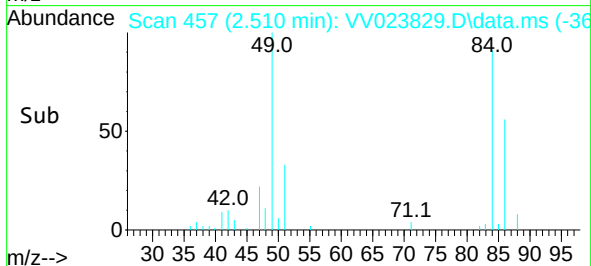


#16
Methylene chloride
Concen: 0.813 ug/L
RT: 2.510 min Scan# 411
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Instrument :
MSVOA_V
ClientSampleId :

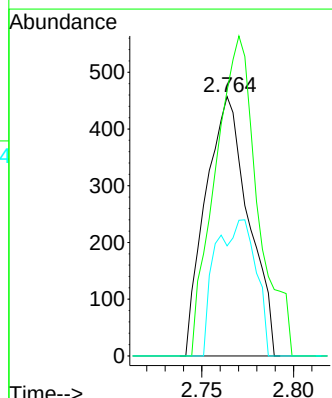
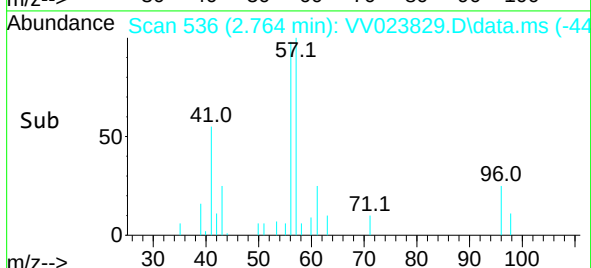
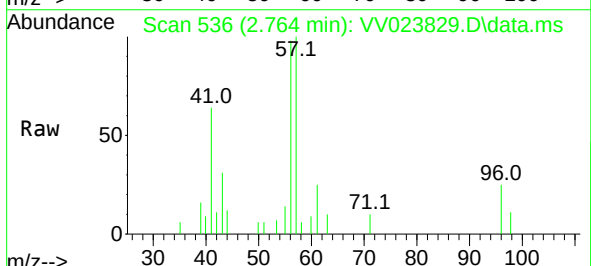


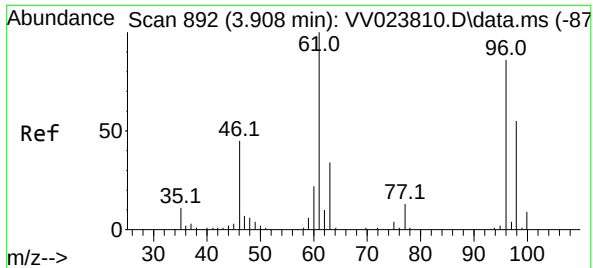
Tgt Ion: 84 Resp: 11528
Ion Ratio Lower Upper
84 100
86 61.3 42.6 79.0
49 109.6 79.7 147.9



#18
trans-1,2-Dichloroethene
Concen: 0.066 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

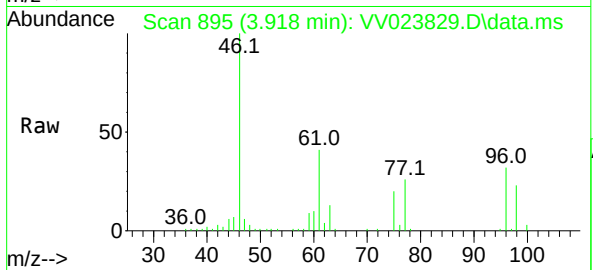
Tgt Ion: 96 Resp: 742
Ion Ratio Lower Upper
96 100
61 102.2 88.2 163.8
98 42.5 44.9 83.5#



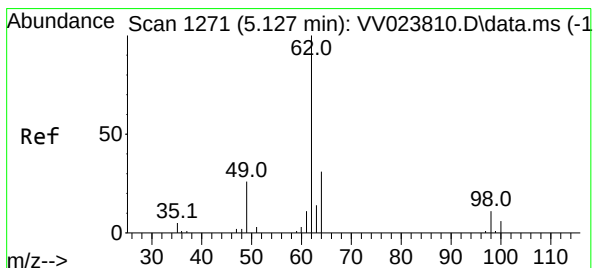
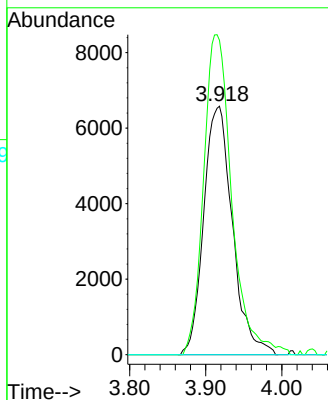
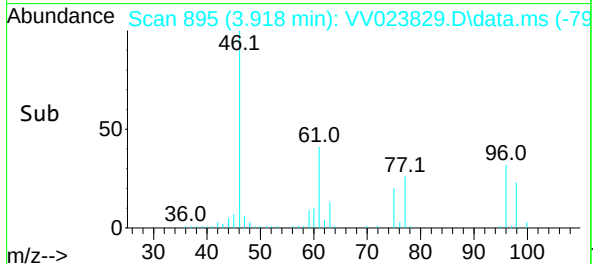


#22
 cis-1,2-Dichloroethene
 Concen: 1.593 ug/L
 RT: 3.918 min Scan# 89
 Delta R.T. 0.010 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

Instrument :
 MSVOA_V
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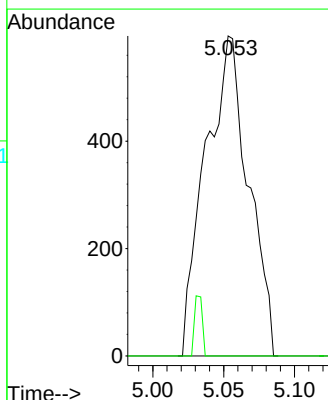
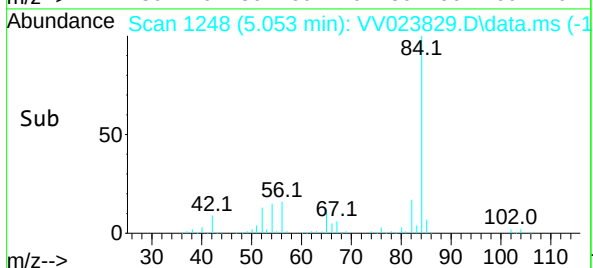
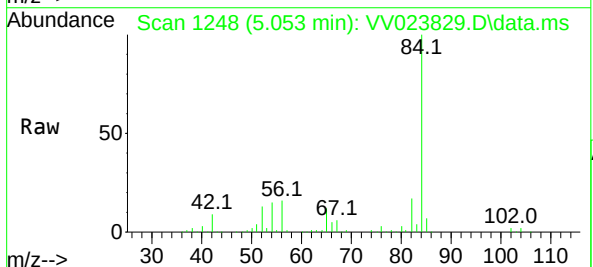


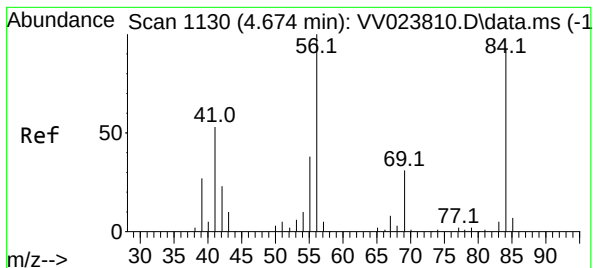
Tgt Ion: 96 Resp: 17283
 Ion Ratio Lower Upper
 96 100
 61 126.5 83.4 154.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. -0.074 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

Tgt Ion: 62 Resp: 1255
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.1 12.1#





#30

Cyclohexane

Concen: 0.486 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

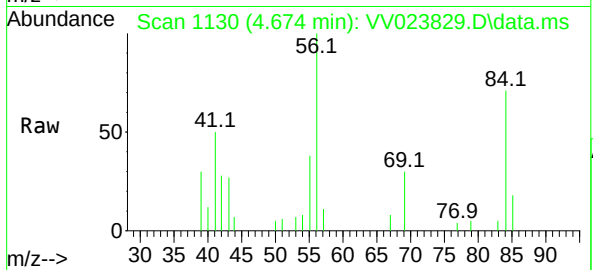
Lab File: VV023829.D

Acq: 07 Dec 2021 17:44

Instrument :

MSVOA_V

ClientSampleId :



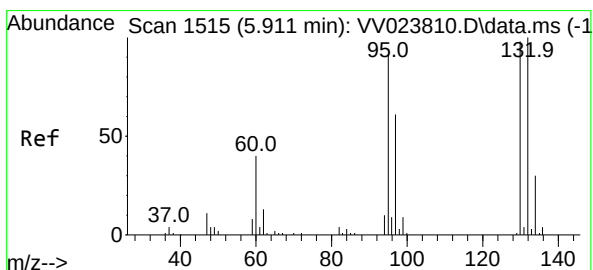
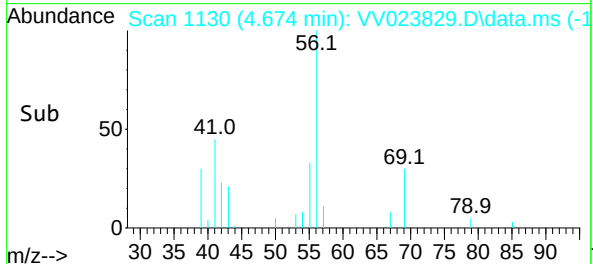
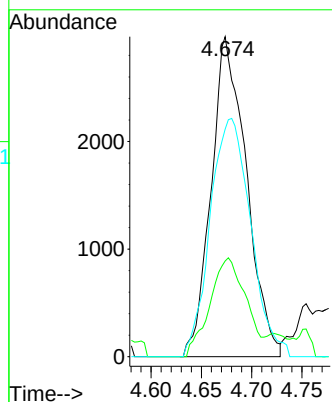
Tgt Ion: 56 Resp: 7242

Ion Ratio Lower Upper

56 100

69 31.8 24.8 37.2

84 85.5 75.9 113.9



#34

Trichloroethene

Concen: 1.667 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023829.D

Acq: 07 Dec 2021 17:44

Tgt Ion: 95 Resp: 17409

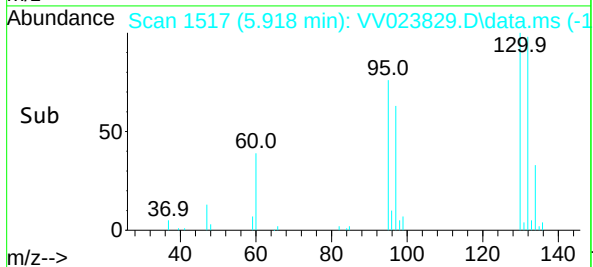
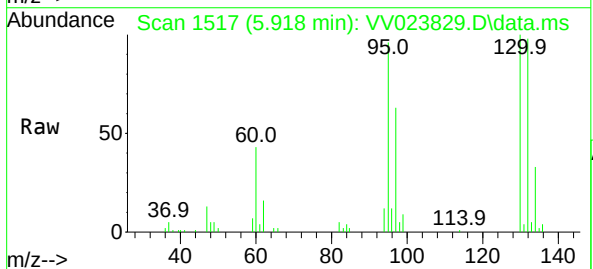
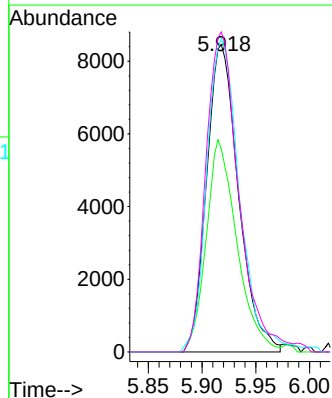
Ion Ratio Lower Upper

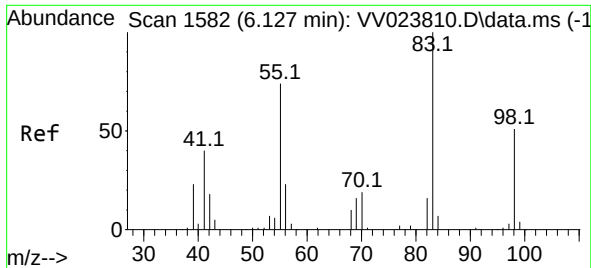
95 100

97 66.0 45.2 84.0

132 102.0 76.1 141.3

130 104.1 75.4 140.0





#35

Methylcyclohexane

Concen: 0.222 ug/L

RT: 6.133 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV023829.D

Acq: 07 Dec 2021 17:44

Instrument :

MSVOA_V

ClientSampleId :

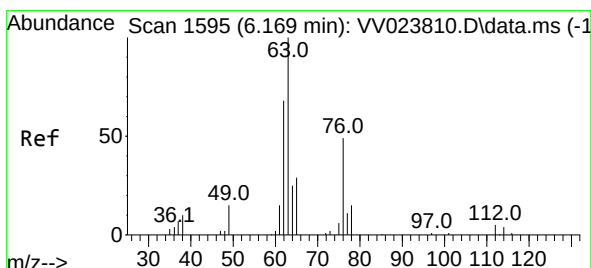
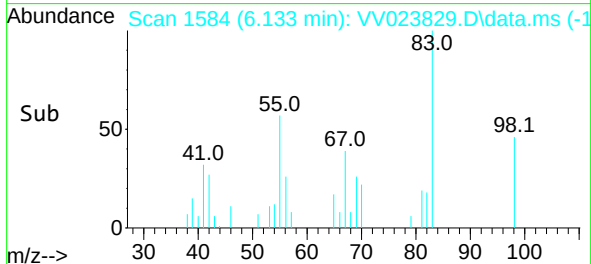
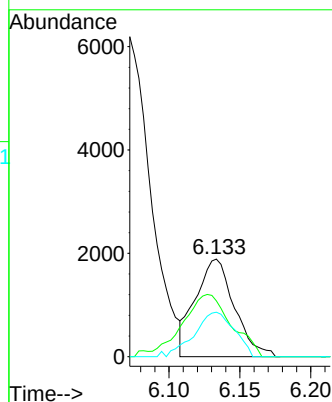
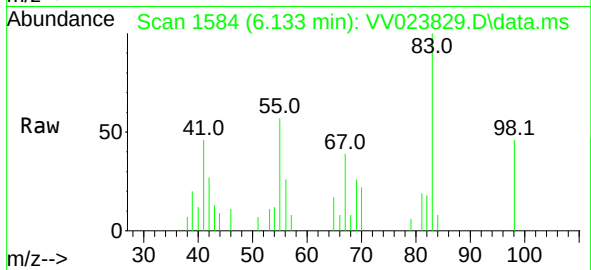
Tgt Ion: 83 Resp: 3614

Ion Ratio Lower Upper

83 100

55 81.1 60.2 90.2

98 47.0 41.0 61.4



#37

1,2-Dichloropropane

Concen: 0.677 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.100 min

Lab File: VV023829.D

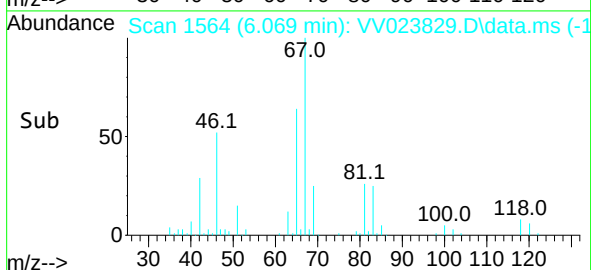
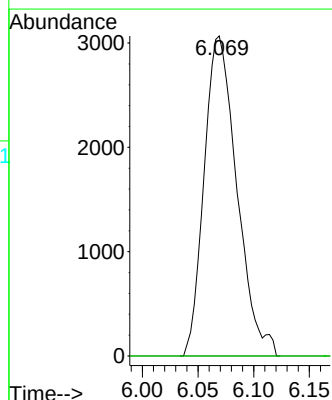
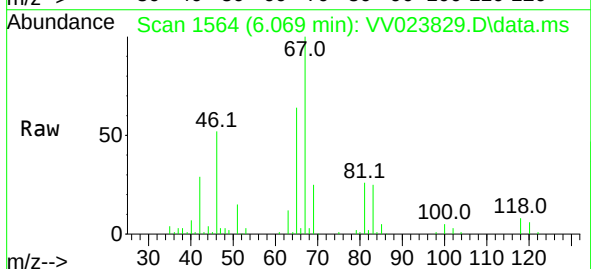
Acq: 07 Dec 2021 17:44

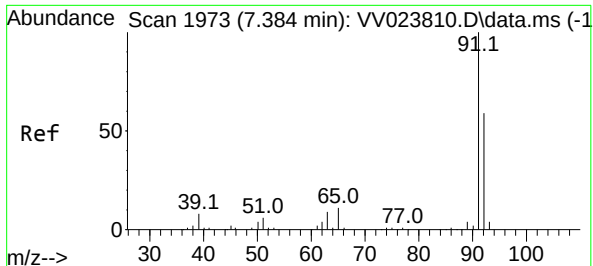
Tgt Ion: 63 Resp: 6272

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#

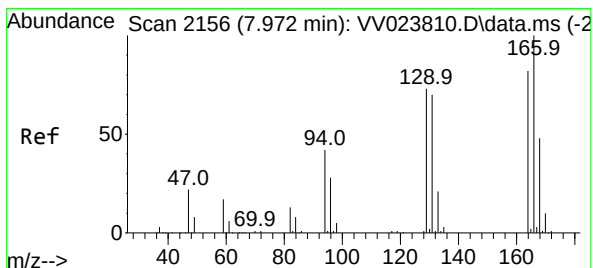
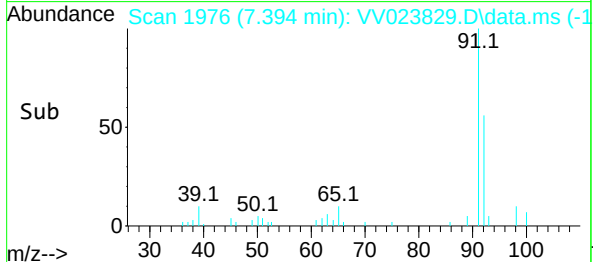
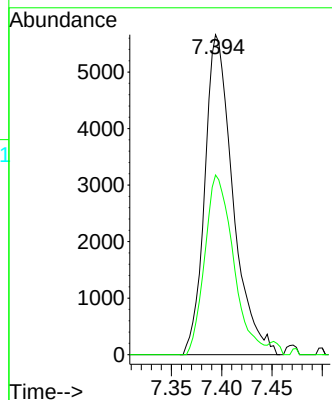
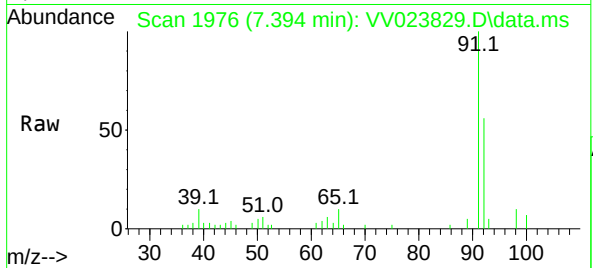




#42
Toluene
Concen: 0.261 ug/L
RT: 7.394 min Scan# 1973
Delta R.T. 0.010 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

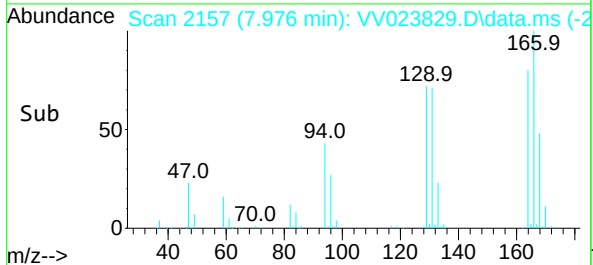
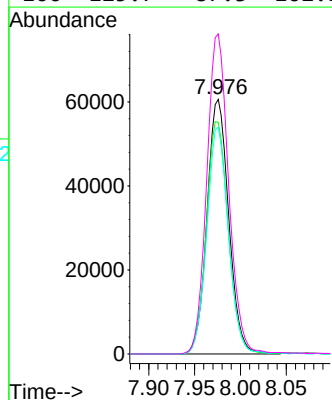
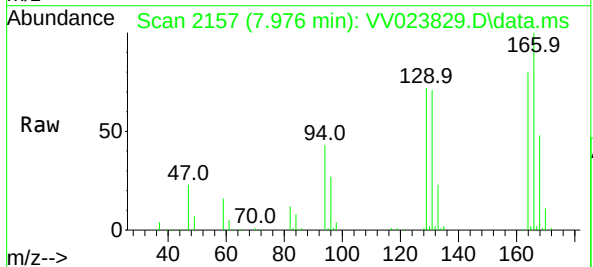
Instrument :
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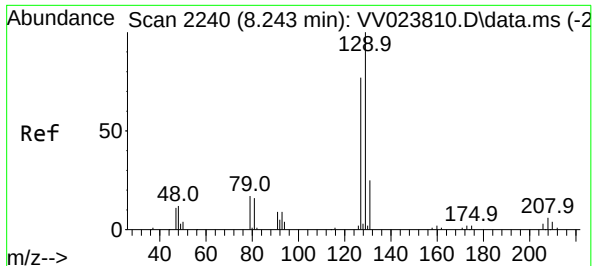
Tgt Ion: 91 Resp: 11017
Ion Ratio Lower Upper
91 100
92 56.2 41.5 77.1



#47
Tetrachloroethene
Concen: 10.518 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 164 Resp: 99980
Ion Ratio Lower Upper
164 100
129 91.0 62.6 116.2
131 89.0 61.0 113.4
166 125.7 87.3 162.1





#49

Dibromochloromethane

Concen: 10.251 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV023829.D

Acq: 07 Dec 2021 17:44

Instrument :

MSVOA_V

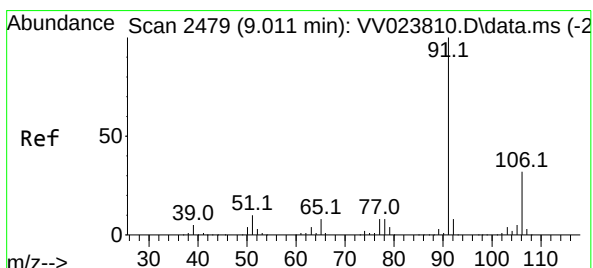
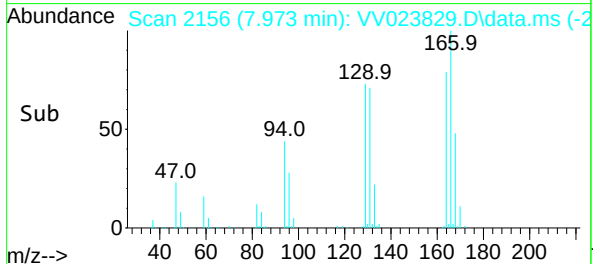
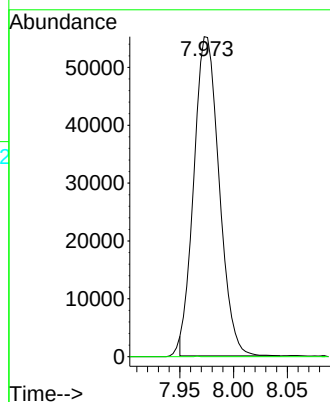
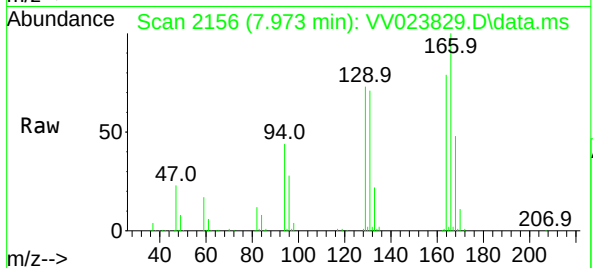
ClientSampleId :

Tgt Ion:129 Resp: 90139

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 0.891 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV023829.D

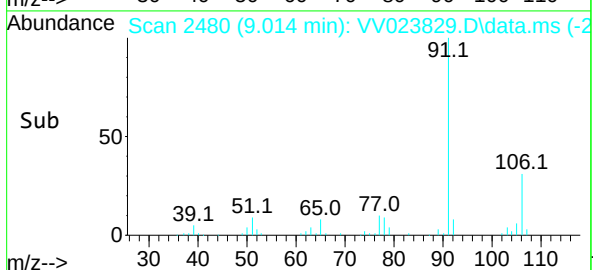
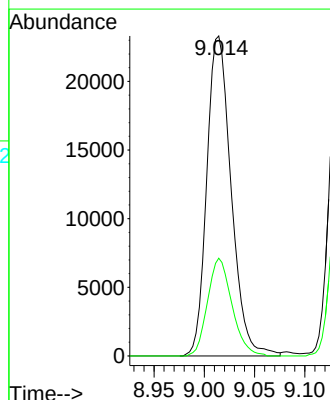
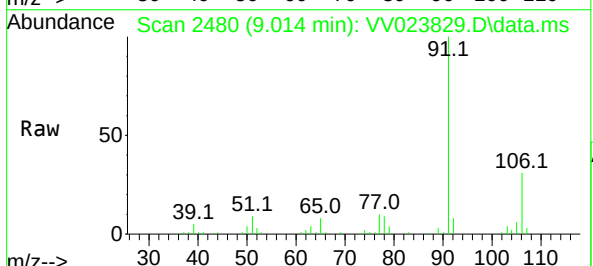
Acq: 07 Dec 2021 17:44

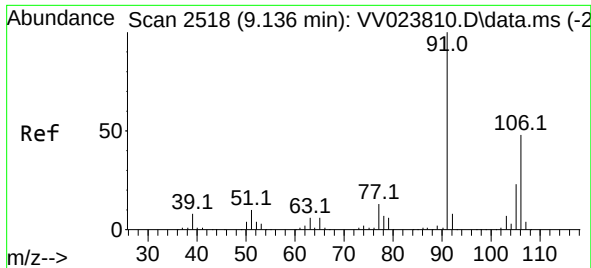
Tgt Ion: 91 Resp: 39379

Ion Ratio Lower Upper

91 100

106 30.6 22.0 41.0

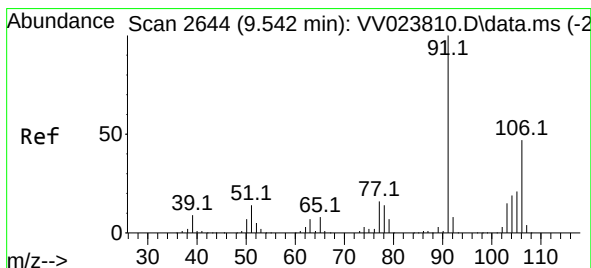
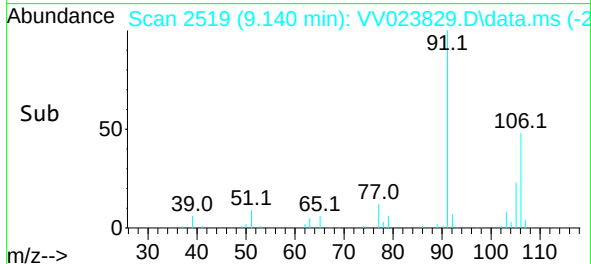
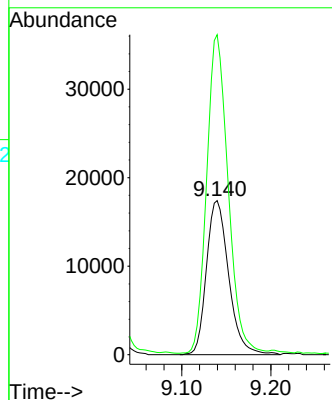
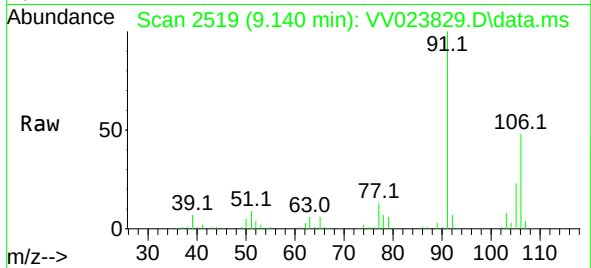




#53
m,p-xylene
Concen: 1.715 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

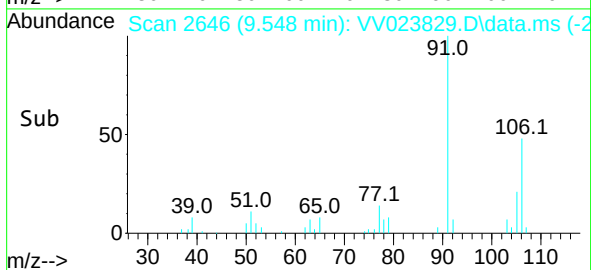
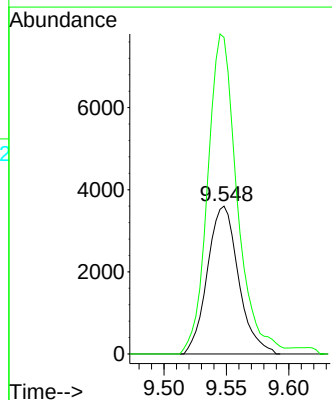
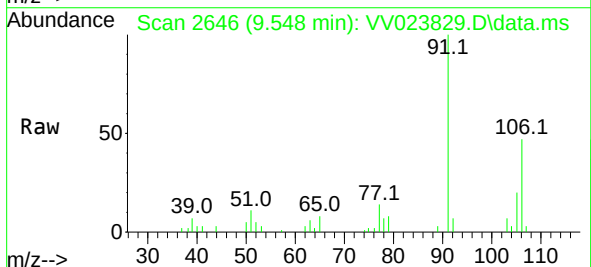
Instrument :
MSVOA_V
ClientSampleId :

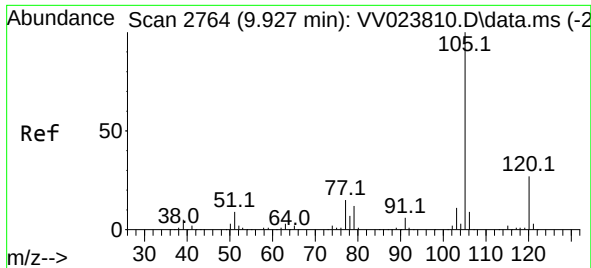
Tgt Ion:106 Resp: 30172
Ion Ratio Lower Upper
106 100
91 207.6 139.5 259.1



#54
o-xylene
Concen: 0.374 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

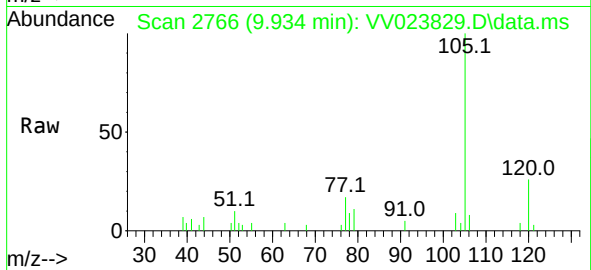
Tgt Ion:106 Resp: 6253
Ion Ratio Lower Upper
106 100
91 214.1 147.9 274.7



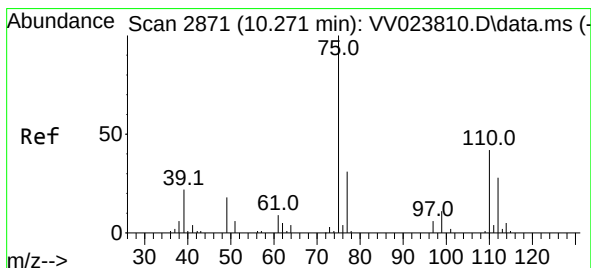
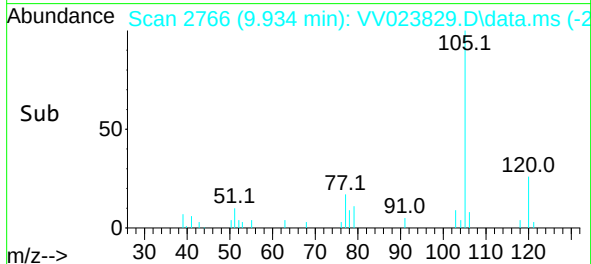
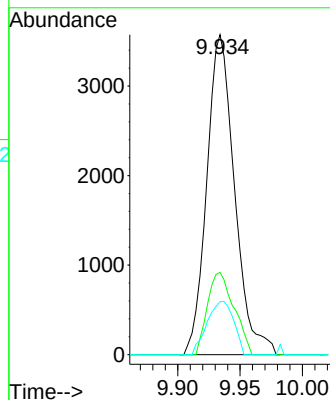


#60
Isopropylbenzene
Concen: 0.123 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Instrument :
MSVOA_V
ClientSampleId :

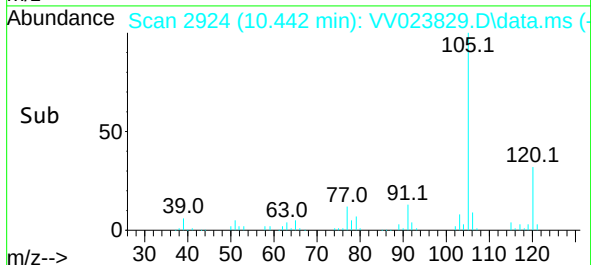
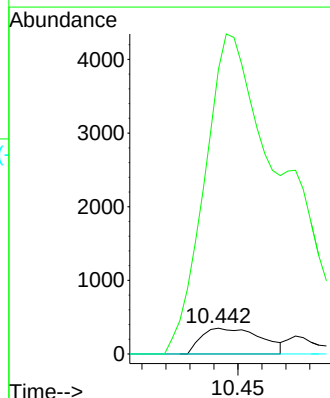
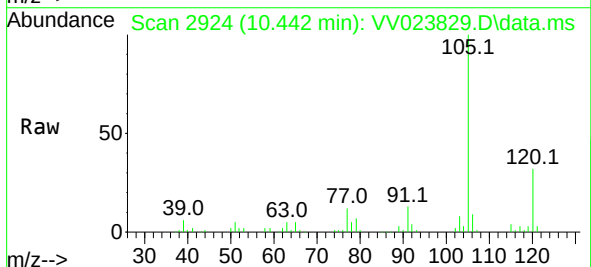


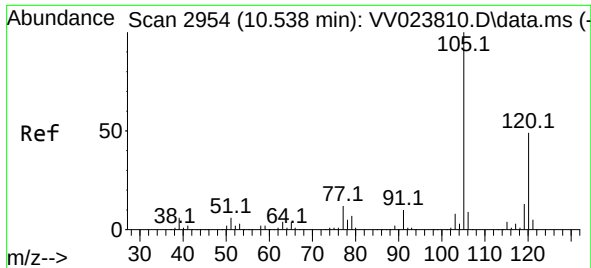
Tgt Ion:105 Resp: 5553
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 15.9 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 0.112 ug/L
RT: 10.442 min Scan# 2924
Delta R.T. 0.170 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 75 Resp: 604
Ion Ratio Lower Upper
75 100
77 1664.2 26.4 39.6#
110 0.0 34.2 51.2#

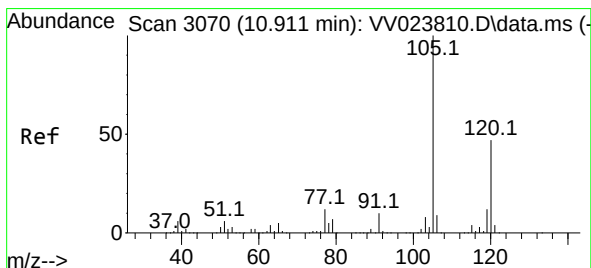
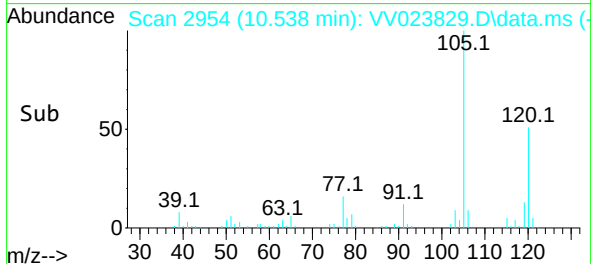
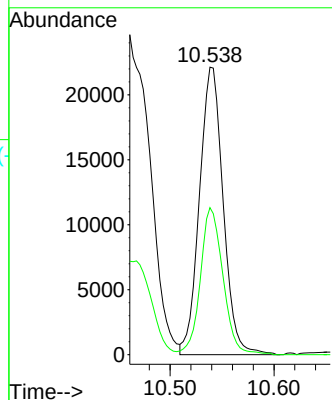
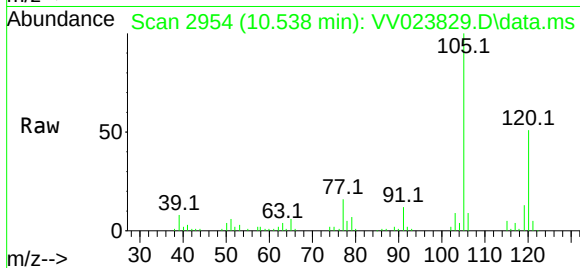




#62
 1,3,5-Trimethylbenzene
 Concen: 0.933 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

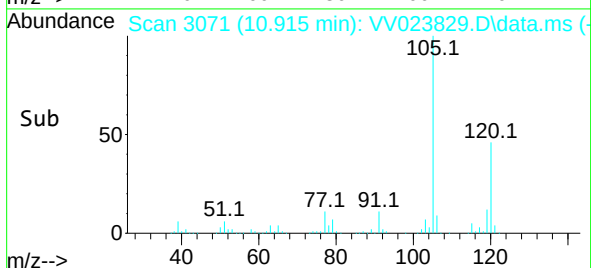
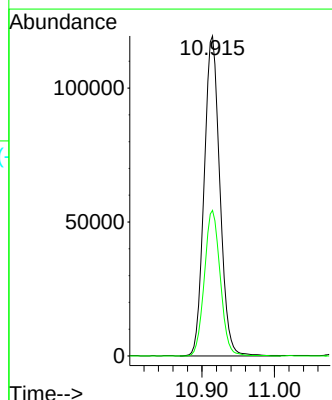
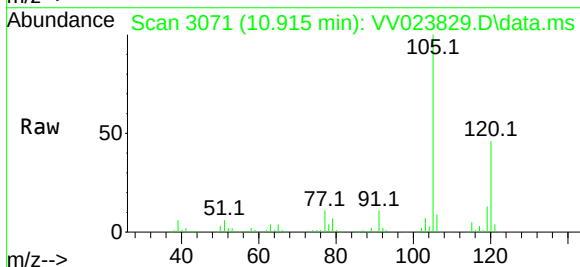
Instrument :
 MSVOA_V
 ClientSampleId :

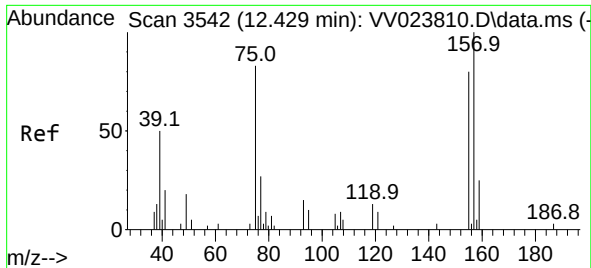
Tgt Ion:105 Resp: 35129
 Ion Ratio Lower Upper
 105 100
 120 48.8 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.828 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

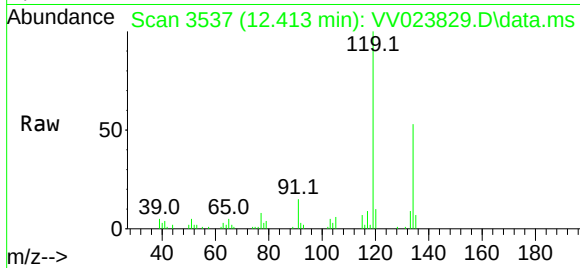
Tgt Ion:105 Resp: 179847
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.7 55.1



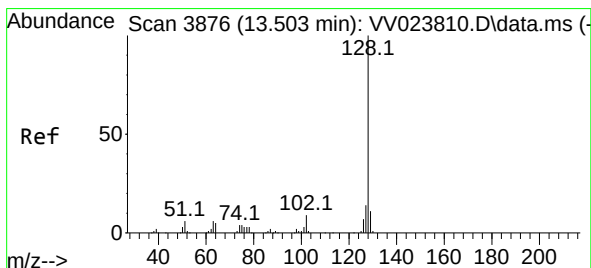
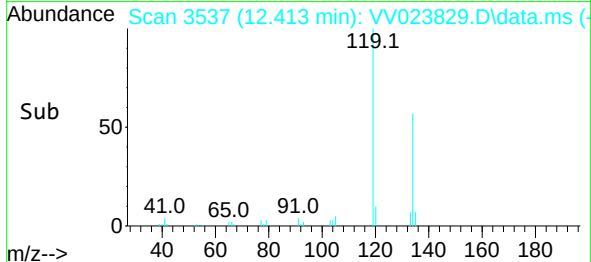
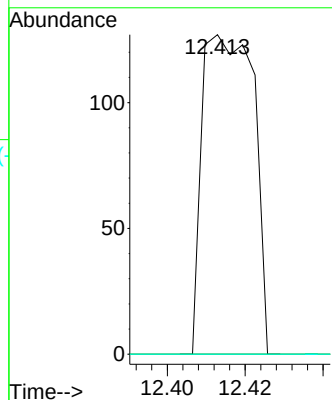


#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.109 ug/L
 RT: 12.413 min Scan# 3537
 Delta R.T. -0.013 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 116
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.7 107.5#
 157 0.0 103.3 154.9#



#71
 Naphthalene
 Concen: 1.504 ug/L
 RT: 13.503 min Scan# 3876
 Delta R.T. 0.000 min
 Lab File: VV023829.D
 Acq: 07 Dec 2021 17:44

Tgt Ion: 128 Resp: 28385
 Ion Ratio Lower Upper
 128 100
 129 10.0 9.0 13.4
 127 12.0 10.2 15.4

