

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026516.D
 Acq On : 23 Jun 2022 15:57
 Operator : SY/MD
 Sample : N3425-02DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ2DL

Quant Time: Jun 24 02:02:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	222562	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	206795	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	93067	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	86939	4.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.200%
7) Chloroethane-d5	1.577	69	69484	4.832	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.117	63	115602	3.635	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	3.924	46	100050	56.224	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.440%
24) Chloroform-d	4.355	84	137633	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.040	65	60452	5.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.056	84	288749	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.072	67	85298	5.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.317	98	247788	4.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.628	79	18346	4.345	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.091	63	91870	57.127	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.260%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	54438	5.095	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	81914	5.319	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
6) Bromomethane	1.535	94	765	0.072	ug/L	78
12) 1,1-Dichloroethene	2.124	96	1432	0.095	ug/L #	1
15) Methyl Acetate	2.439	43	3021	0.928	ug/L #	47
16) Methylene chloride	2.516	84	20330	1.274	ug/L	94
18) trans-1,2-Dichloroethene	2.777	96	684	0.045	ug/L #	68
22) cis-1,2-Dichloroethene	3.924	96	24377	1.601	ug/L	100
25) Chloroform	4.381	83	4531	0.154	ug/L	89
30) Cyclohexane	4.686	56	3927	0.195	ug/L	91
33) Benzene	5.104	78	182960	3.030	ug/L	100
34) Trichloroethene	5.921	95	30225	1.904	ug/L	100
35) Methylcyclohexane	6.130	83	5293	0.225	ug/L	91
37) 1,2-Dichloropropane	6.185	63	1440	0.099	ug/L #	84
38) Bromodichloromethane	6.519	83	1619	0.094	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	1304	0.089	ug/L #	61
42) Toluene	7.391	91	190026	3.049	ug/L	98
47) Tetrachloroethene	7.976	164	143489	11.354	ug/L	99
49) Dibromochloromethane	7.976	129	132571	14.266	ug/L #	11
52) Ethylbenzene	9.014	91	49881	0.774	ug/L	98
53) m,p-Xylene	9.140	106	28554	1.135	ug/L	94

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

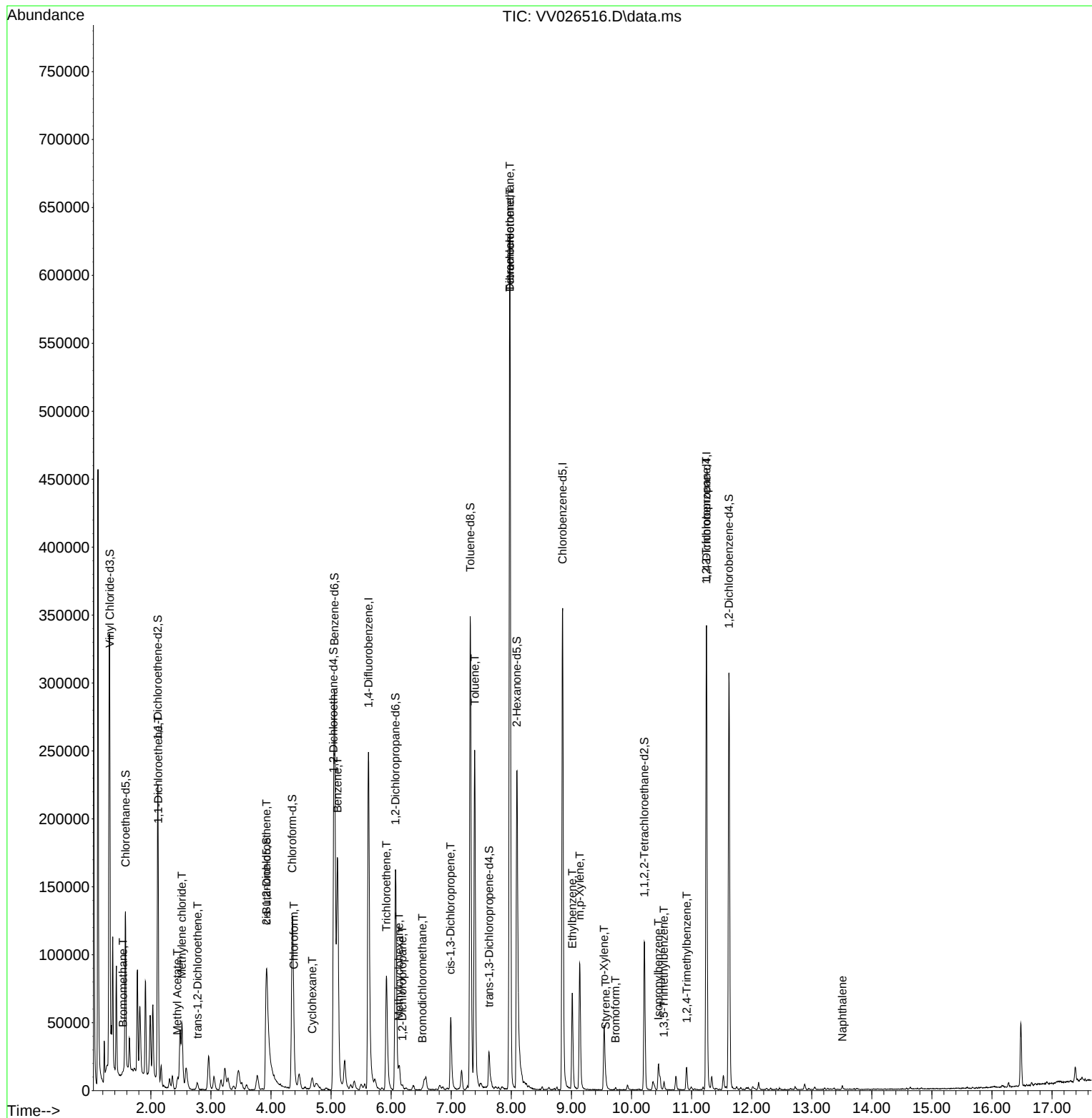
54) o-Xylene	9.545	106	12909	0.547	ug/L	92
55) Styrene	9.570	104	5234	0.134	ug/L	88
59) Bromoform	9.734	173	629	0.183	ug/L #	83
60) Isopropylbenzene	10.448	105	17229	0.300	ug/L	94
61) 1,2,3-Trichloropropane	11.246	75	10730	1.781	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.541	105	3584	0.079	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	9772	0.218	ug/L	100
71) Naphthalene	13.509	128	2862	0.155	ug/L #	95

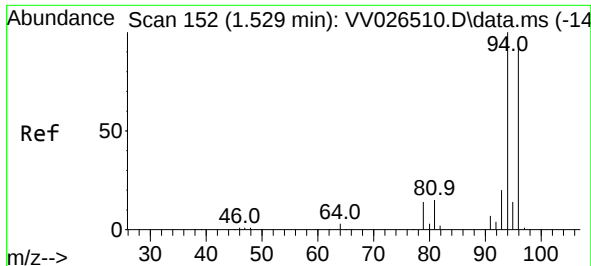
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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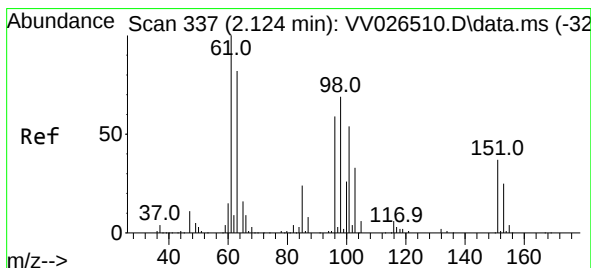
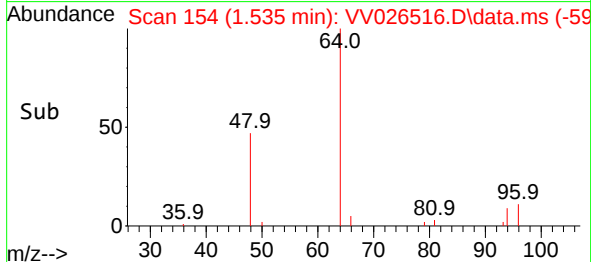
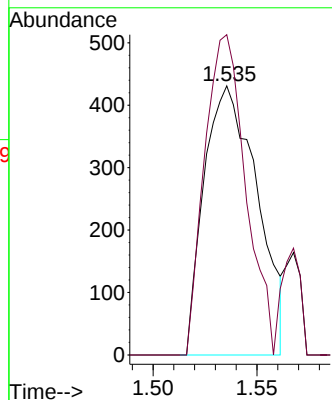
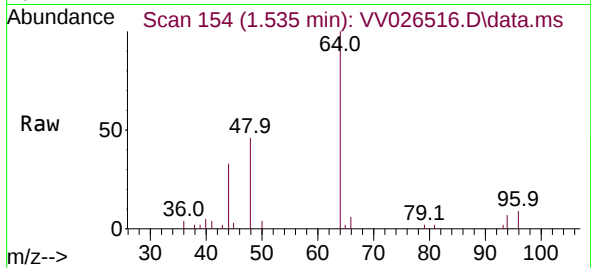




#6
Bromomethane
Concen: 0.072 ug/L
RT: 1.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

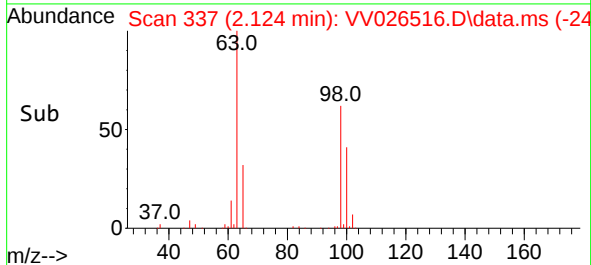
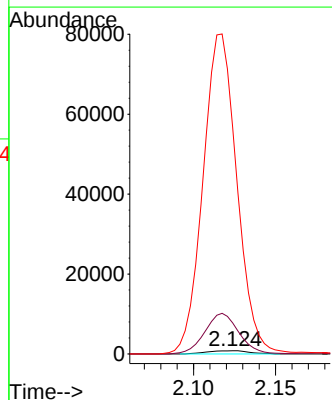
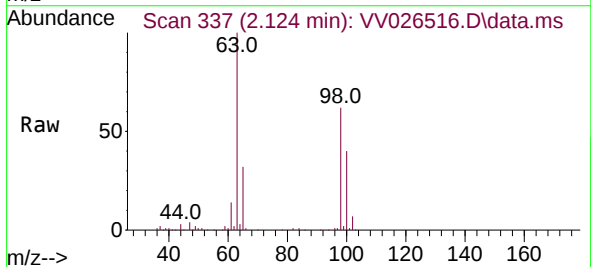
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

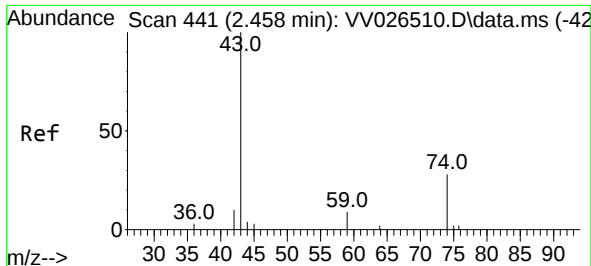
Tgt Ion: 94 Resp: 765
Ion Ratio Lower Upper
94 100
96 119.0 68.0 126.2



#12
1,1-Dichloroethene
Concen: 0.095 ug/L
RT: 2.124 min Scan# 337
Delta R.T. -0.000 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 96 Resp: 1432
Ion Ratio Lower Upper
96 100
61 949.0 115.4 214.4#
63 6926.2 87.4 162.2#

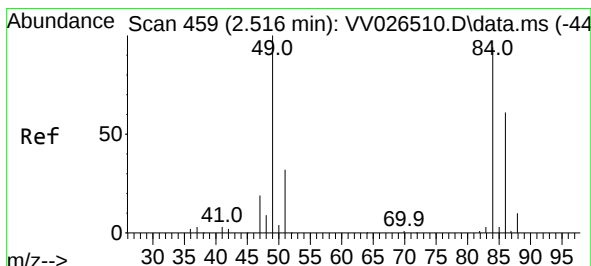
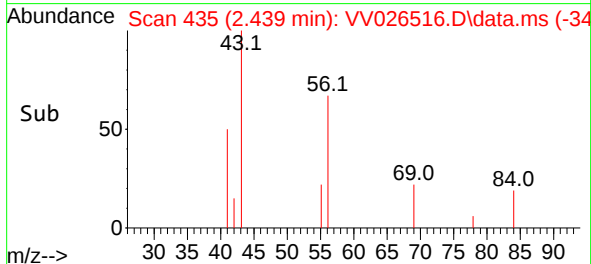
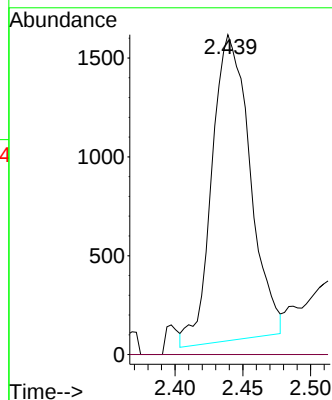
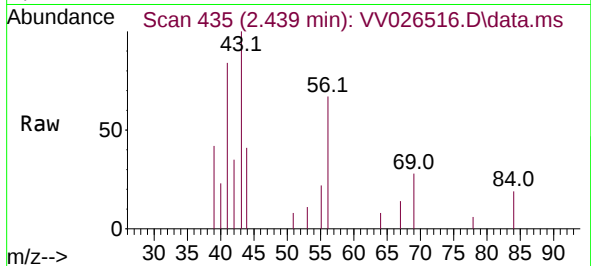




#15
Methyl Acetate
Concen: 0.928 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.020 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

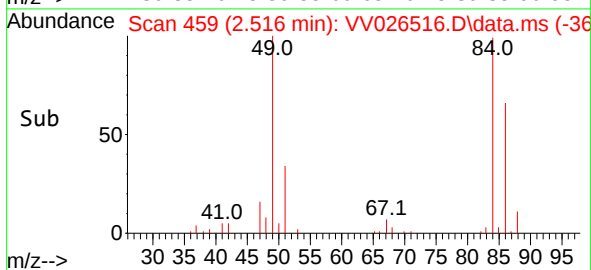
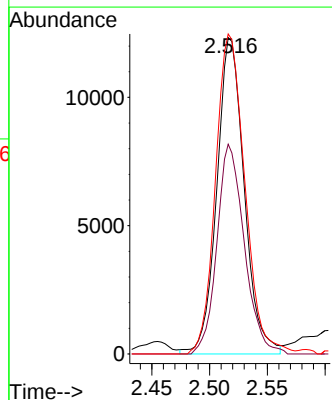
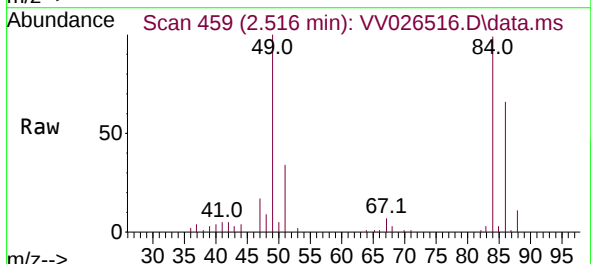
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

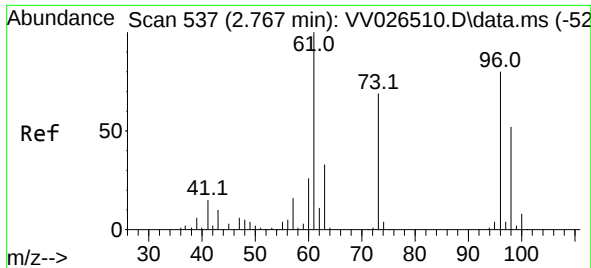
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#16
Methylene chloride
Concen: 1.274 ug/L
RT: 2.516 min Scan# 459
Delta R.T. -0.000 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 84 Resp: 20330
Ion Ratio Lower Upper
84 100
86 66.3 46.0 85.4
49 101.2 77.7 144.3

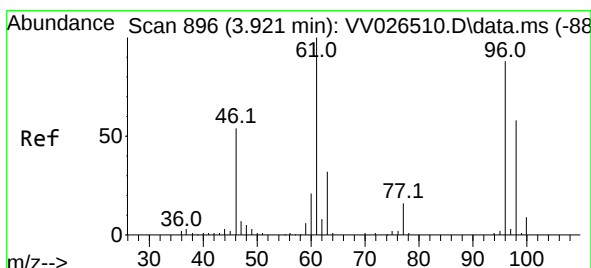
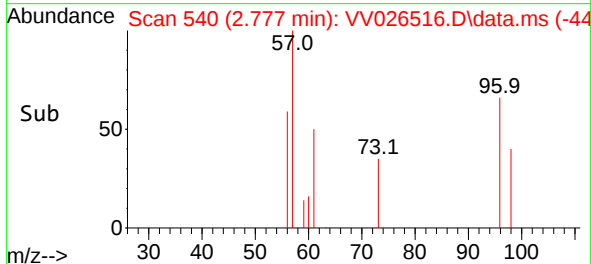
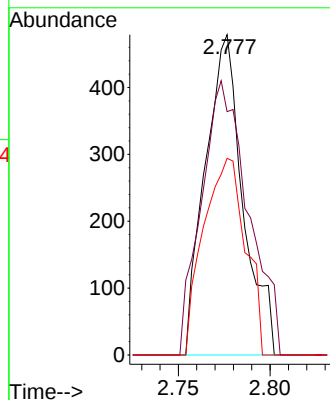
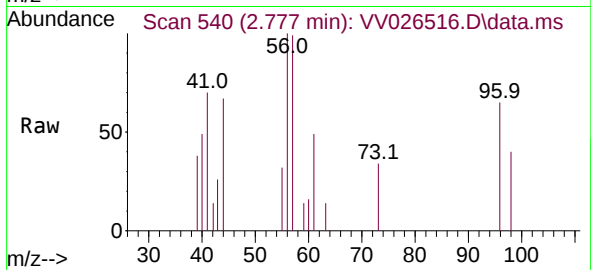




#18
trans-1,2-Dichloroethene
Concen: 0.045 ug/L
RT: 2.777 min Scan# 54
Delta R.T. 0.009 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

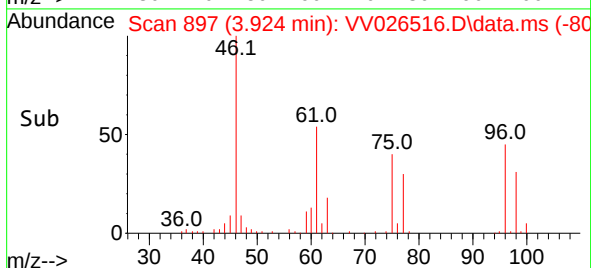
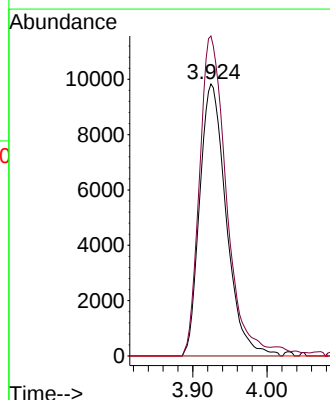
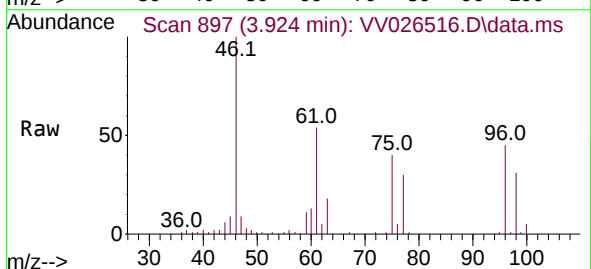
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

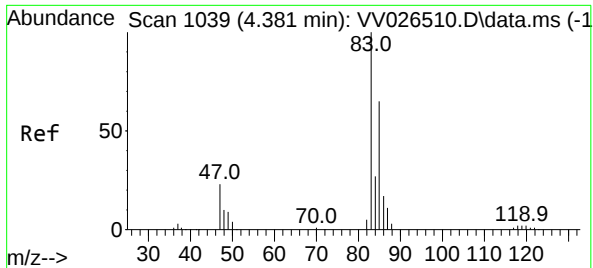
Tgt Ion: 96 Resp: 684
Ion Ratio Lower Upper
96 100
61 76.0 90.4 167.8#
98 61.4 45.6 84.8



#22
cis-1,2-Dichloroethene
Concen: 1.601 ug/L
RT: 3.924 min Scan# 897
Delta R.T. 0.003 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 96 Resp: 24377
Ion Ratio Lower Upper
96 100
61 117.6 82.0 152.2
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.154 ug/L

RT: 4.381 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

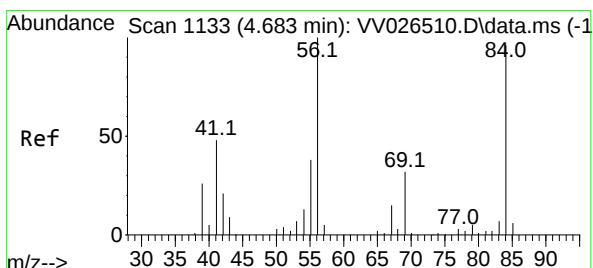
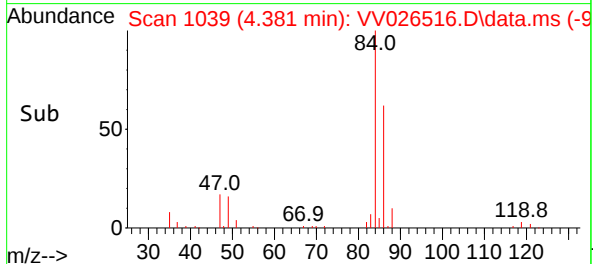
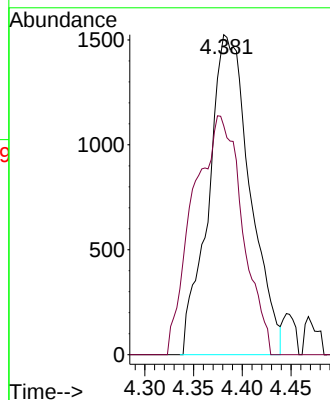
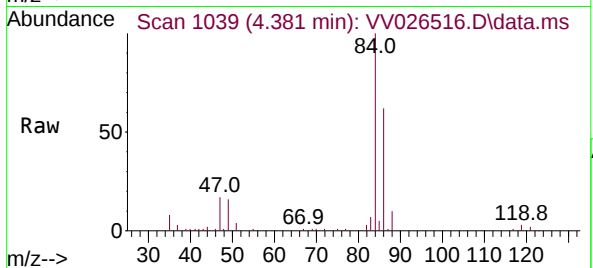
C0AJ2DL

Tgt Ion: 83 Resp: 4531

Ion Ratio Lower Upper

83 100

85 71.5 44.0 81.8



#30

Cyclohexane

Concen: 0.195 ug/L

RT: 4.686 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

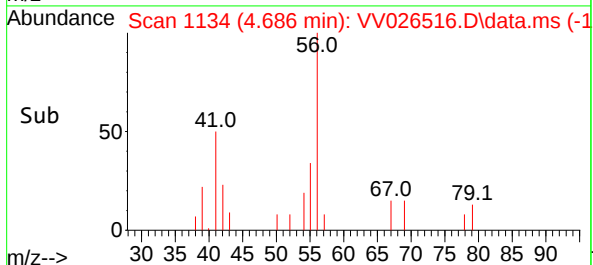
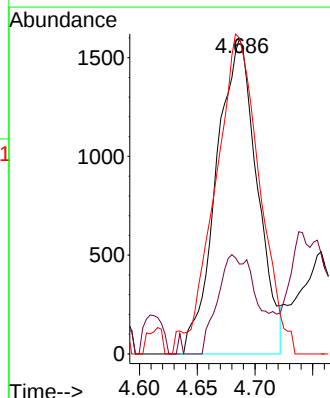
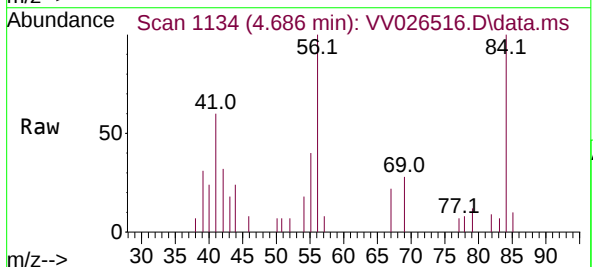
Tgt Ion: 56 Resp: 3927

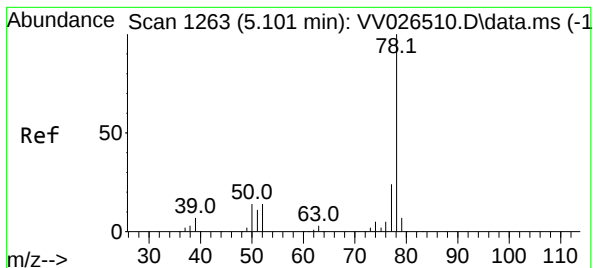
Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

84 108.2 77.8 116.6





#33

Benzene

Concen: 3.030 ug/L

RT: 5.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

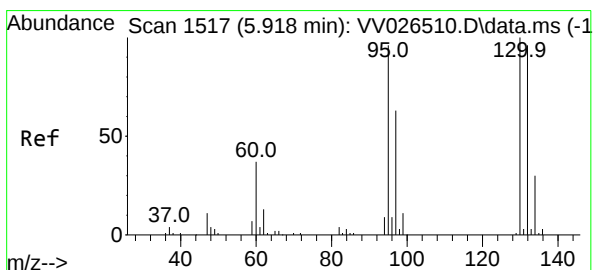
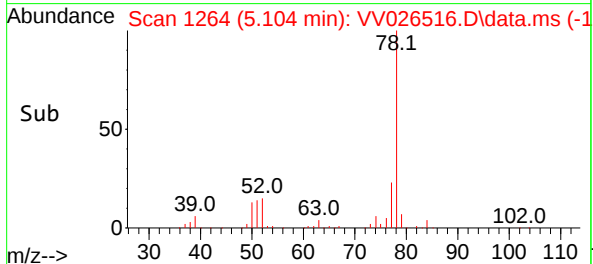
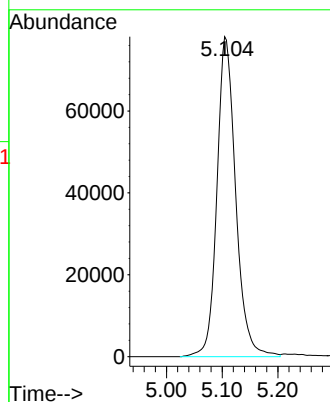
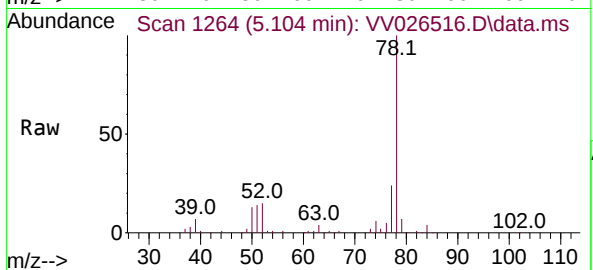
Instrument :

MSVOA_V

ClientSampleId :

C0AJ2DL

Tgt Ion: 78 Resp: 182960



#34

Trichloroethene

Concen: 1.904 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.003 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

Tgt Ion: 95 Resp: 30225

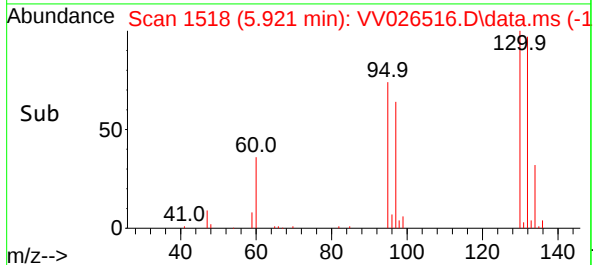
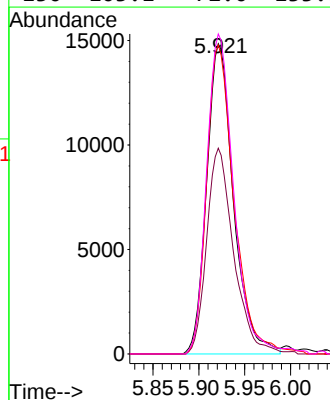
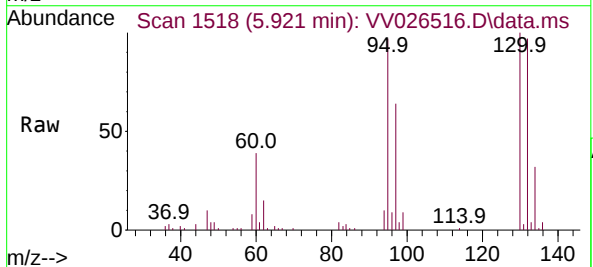
Ion Ratio Lower Upper

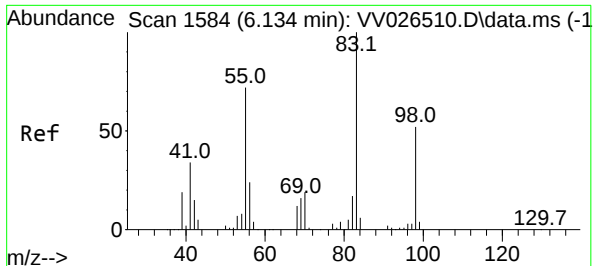
95 100

97 66.3 46.8 87.0

132 99.5 69.9 129.7

130 103.1 72.0 133.8





#35

Methylcyclohexane

Concen: 0.225 ug/L

RT: 6.130 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

C0AJ2DL

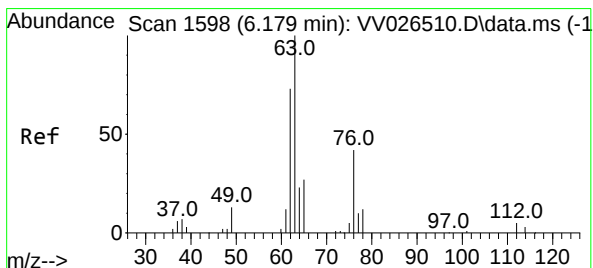
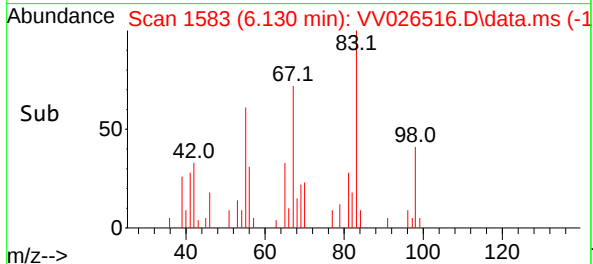
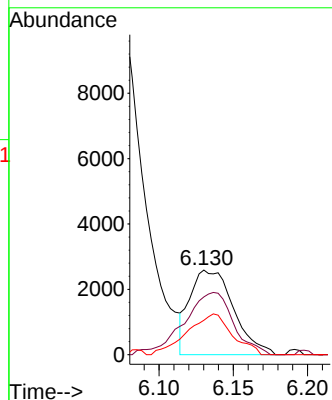
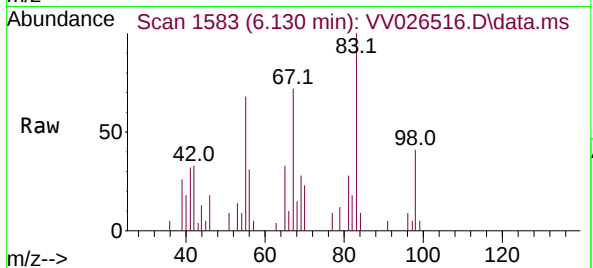
Tgt Ion: 83 Resp: 5293

Ion Ratio Lower Upper

83 100

55 83.5 57.0 85.4

98 49.4 39.8 59.8



#37

1,2-Dichloropropane

Concen: 0.099 ug/L

RT: 6.185 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VV026516.D

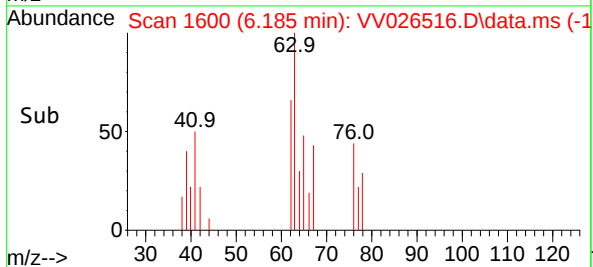
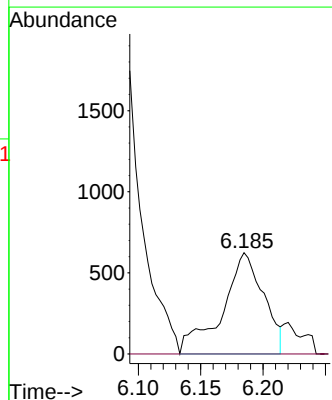
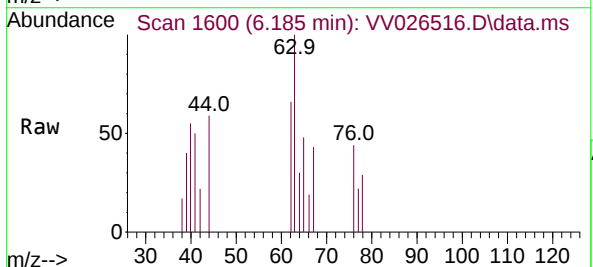
Acq: 23 Jun 2022 15:57

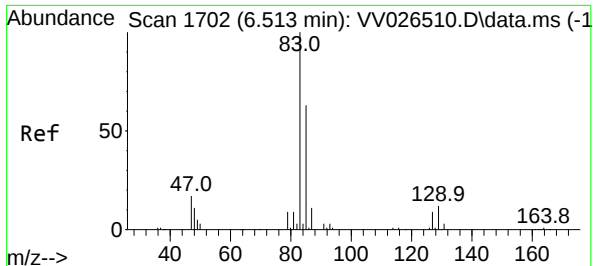
Tgt Ion: 63 Resp: 1440

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#

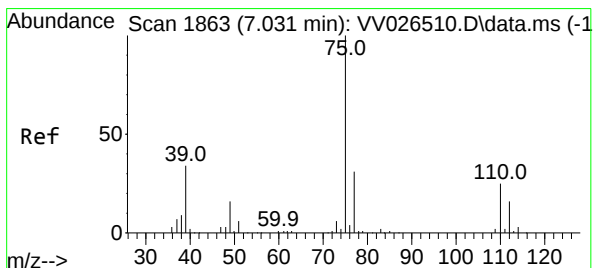
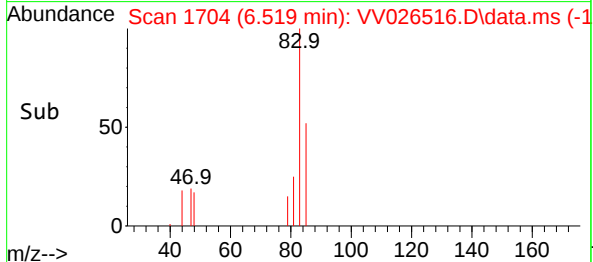
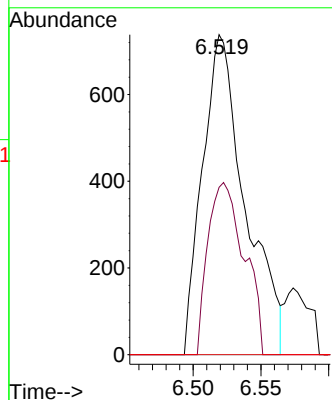
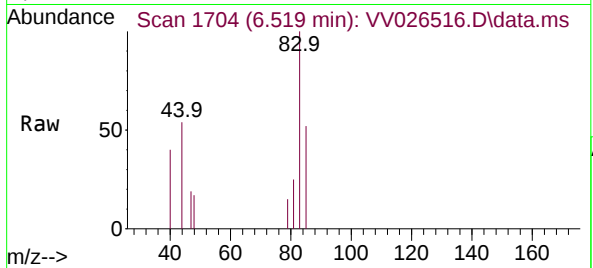




#38
Bromodichloromethane
Concen: 0.094 ug/L
RT: 6.519 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

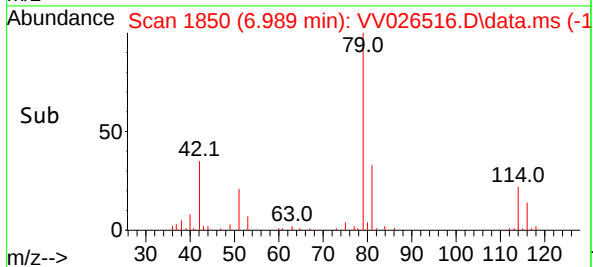
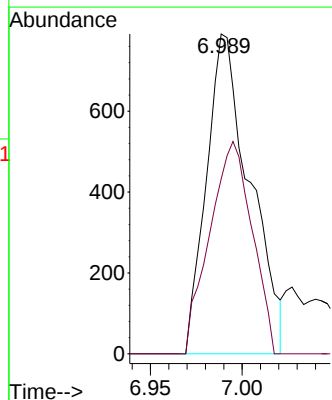
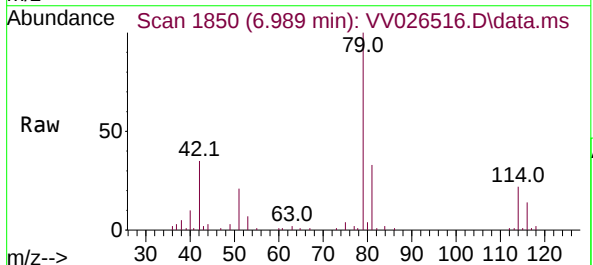
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

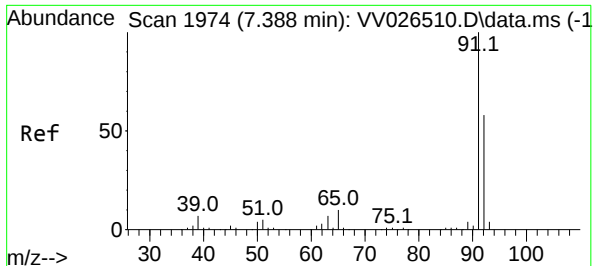
Tgt Ion: 83 Resp: 1619
Ion Ratio Lower Upper
83 100
85 52.3 44.0 81.8
127 0.0 6.6 10.0#



#39
cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 75 Resp: 1304
Ion Ratio Lower Upper
75 100
77 54.6 22.8 42.4#

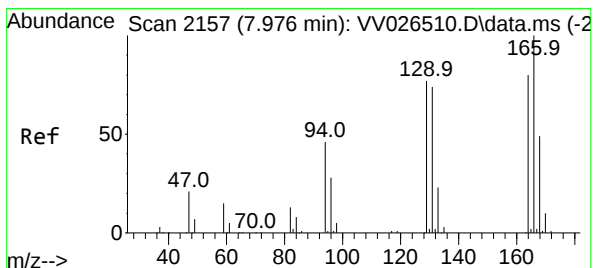
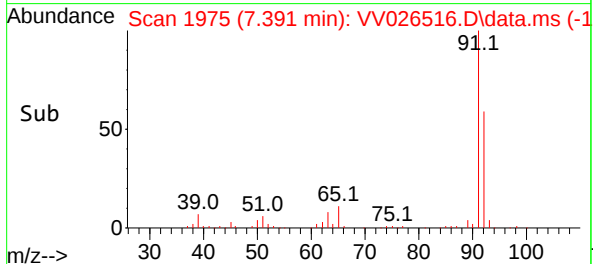
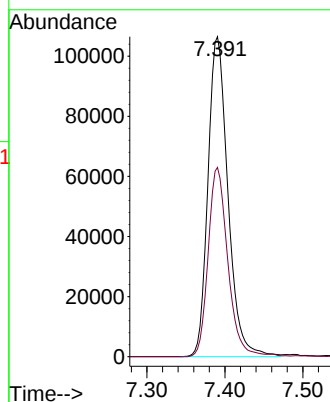
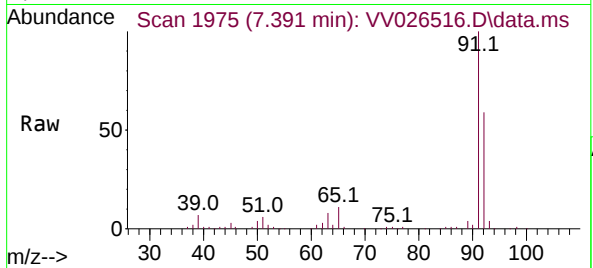




#42
Toluene
Concen: 3.049 ug/L
RT: 7.391 min Scan# 1974
Delta R.T. 0.003 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

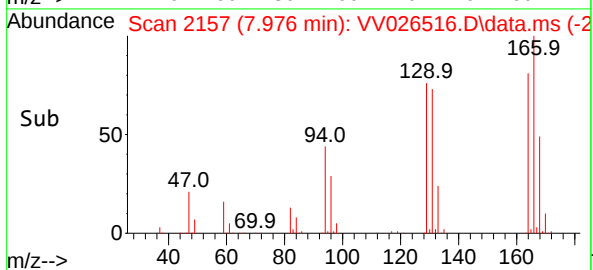
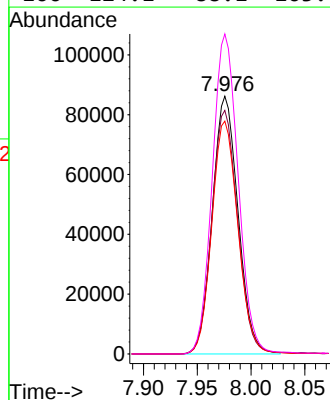
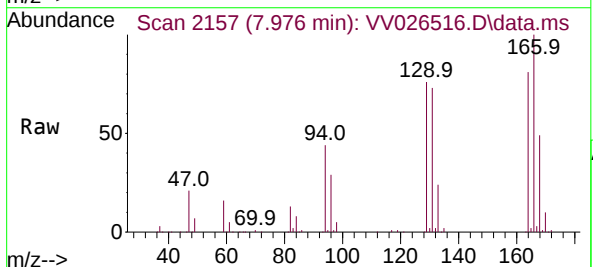
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

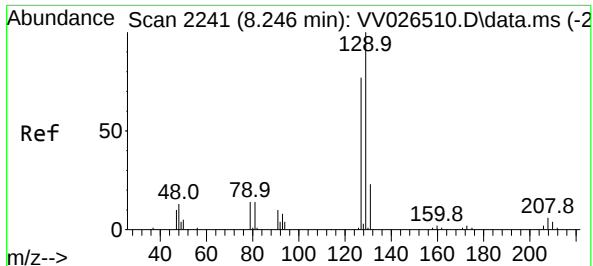
Tgt Ion: 91 Resp: 190026
Ion Ratio Lower Upper
91 100
92 59.1 40.3 74.9



#47
Tetrachloroethene
Concen: 11.354 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 164 Resp: 143489
Ion Ratio Lower Upper
164 100
129 94.5 66.4 123.2
131 90.3 64.4 119.6
166 124.1 88.1 163.7





#49

Dibromochloromethane

Concen: 14.266 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

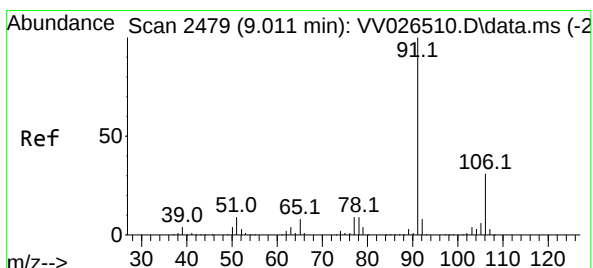
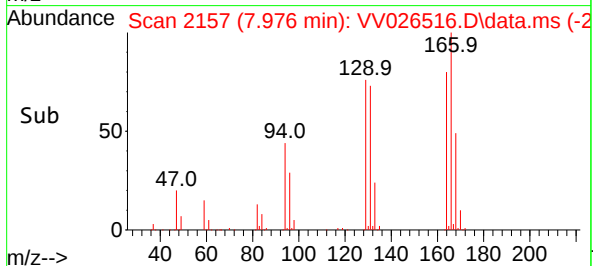
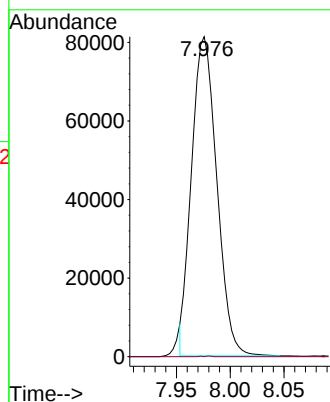
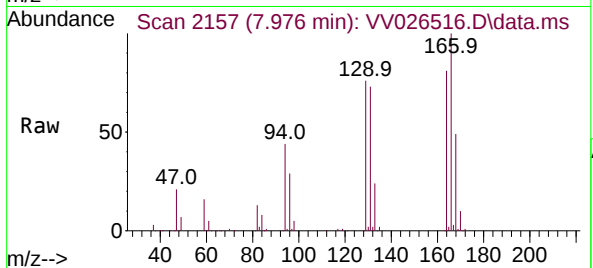
C0AJ2DL

Tgt Ion:129 Resp: 132571

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#52

Ethylbenzene

Concen: 0.774 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV026516.D

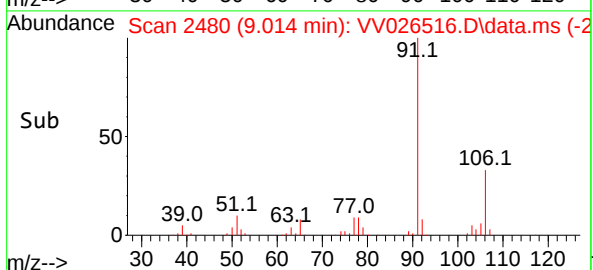
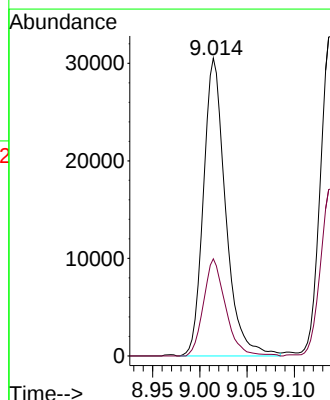
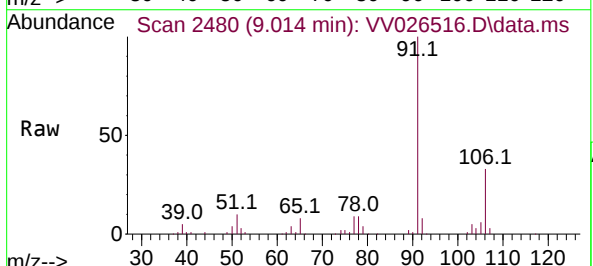
Acq: 23 Jun 2022 15:57

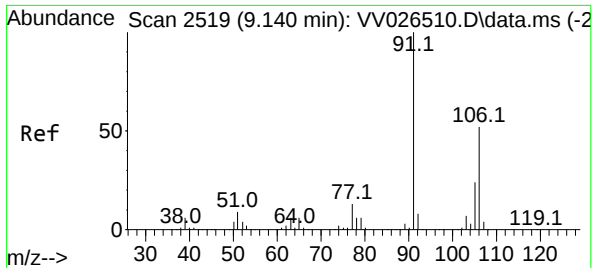
Tgt Ion: 91 Resp: 49881

Ion Ratio Lower Upper

91 100

106 32.6 22.1 41.1

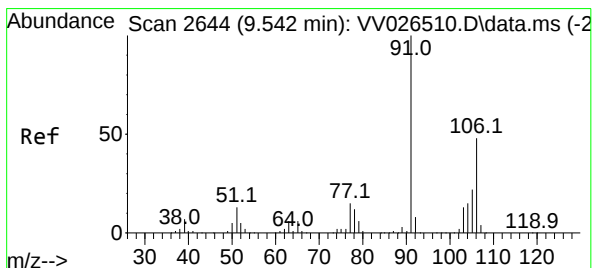
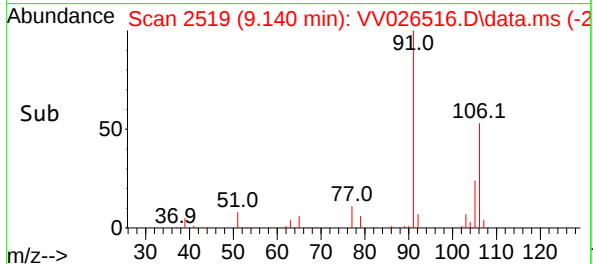
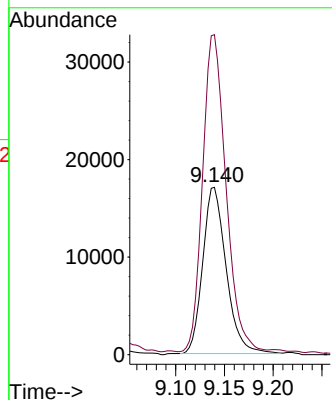
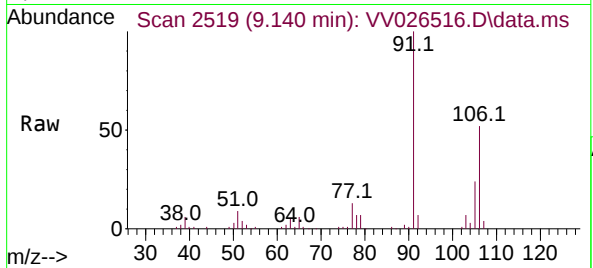




#53
m,p-Xylene
Concen: 1.135 ug/L
RT: 9.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

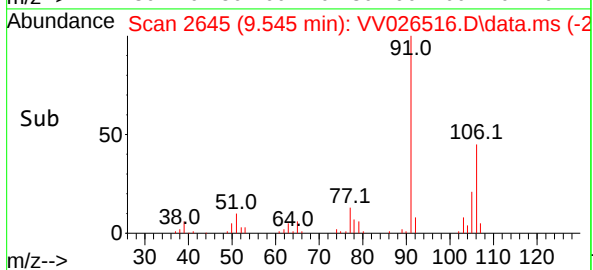
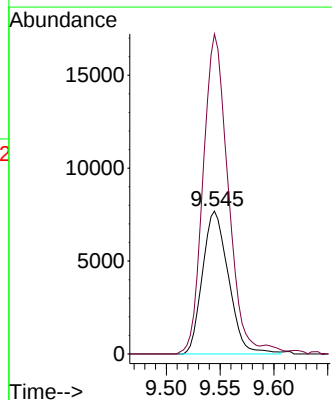
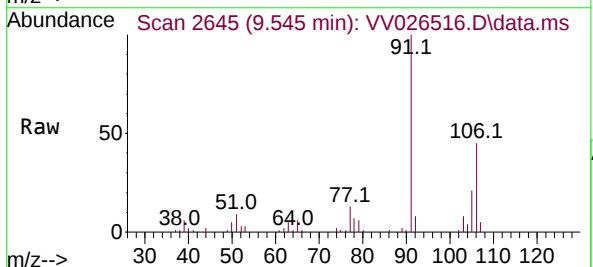
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

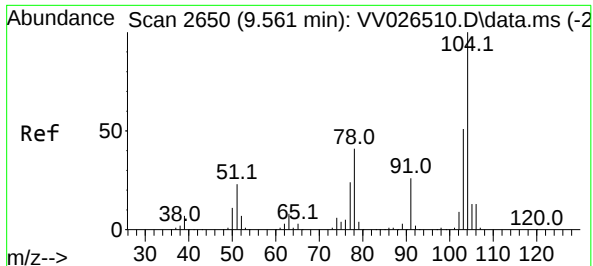
Tgt Ion:106 Resp: 28554
Ion Ratio Lower Upper
106 100
91 191.1 139.9 259.9



#54
o-Xylene
Concen: 0.547 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion:106 Resp: 12909
Ion Ratio Lower Upper
106 100
91 224.0 147.5 273.9

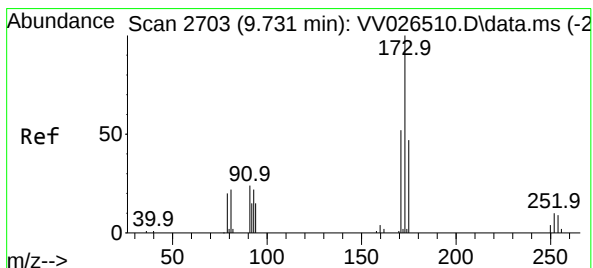
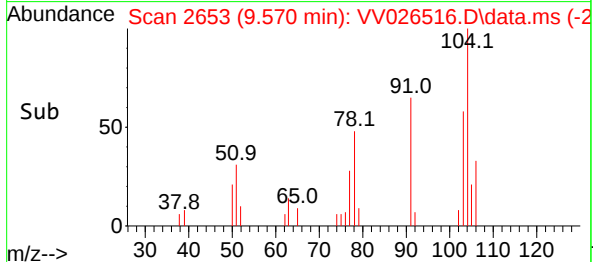
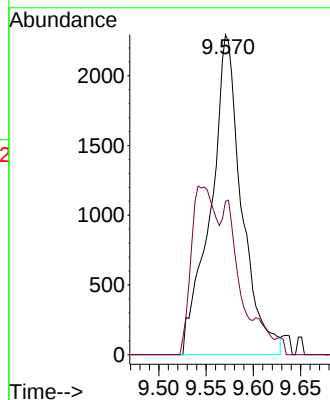
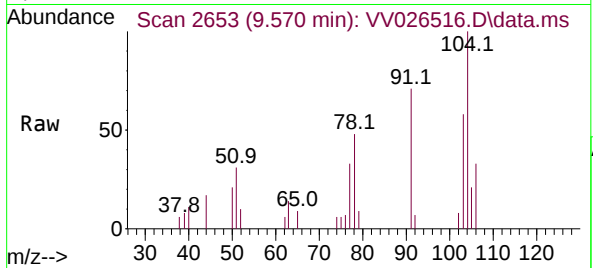




#55
Styrene
Concen: 0.134 ug/L
RT: 9.570 min Scan# 210
Delta R.T. 0.009 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

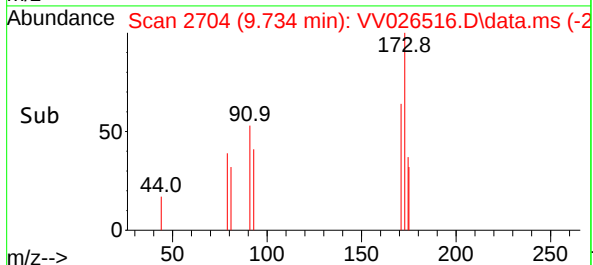
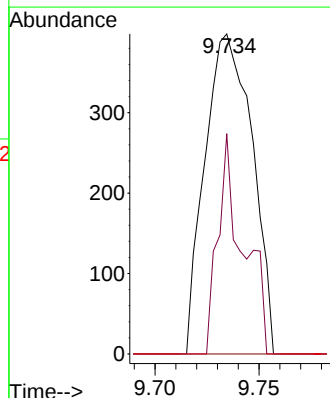
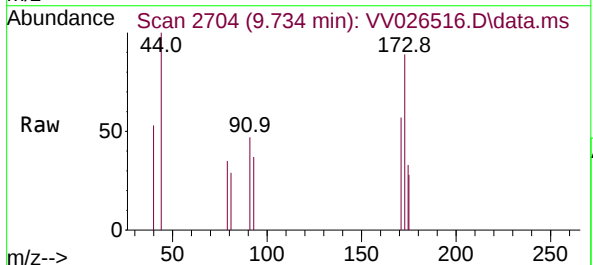
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

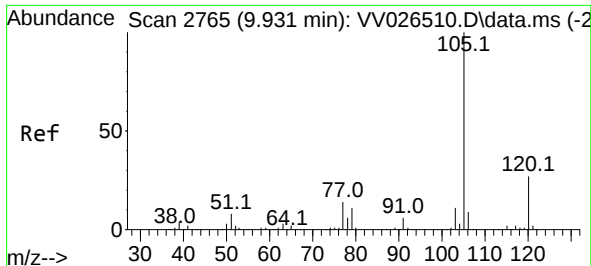
Tgt Ion:104 Resp: 5234
Ion Ratio Lower Upper
104 100
78 47.9 28.4 52.8



#59
Bromoform
Concen: 0.183 ug/L
RT: 9.734 min Scan# 2704
Delta R.T. 0.003 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion:173 Resp: 629
Ion Ratio Lower Upper
173 100
175 36.7 37.9 56.9#
254 0.0 6.3 9.5#

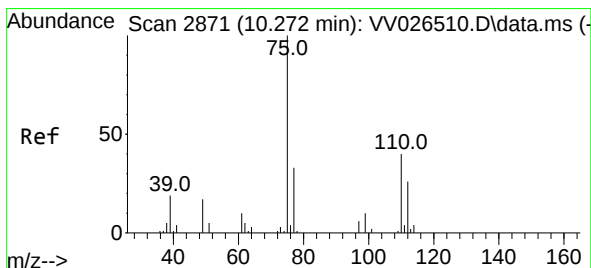
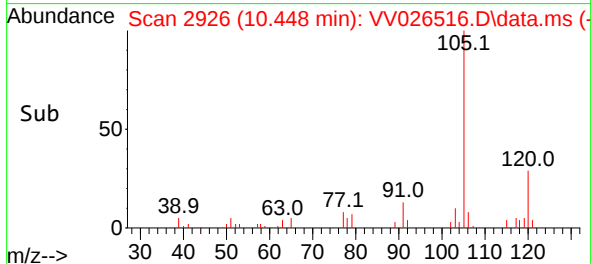
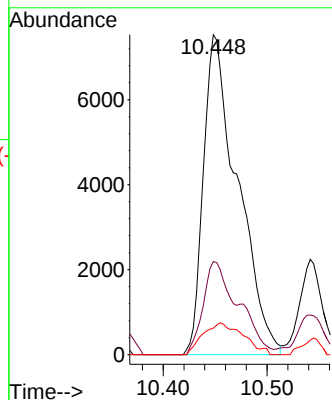
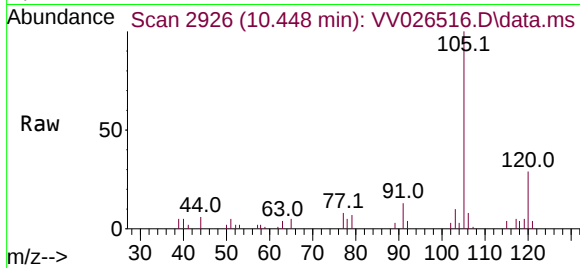




#60
Isopropylbenzene
Concen: 0.300 ug/L
RT: 10.448 min Scan# 21
Delta R.T. 0.517 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

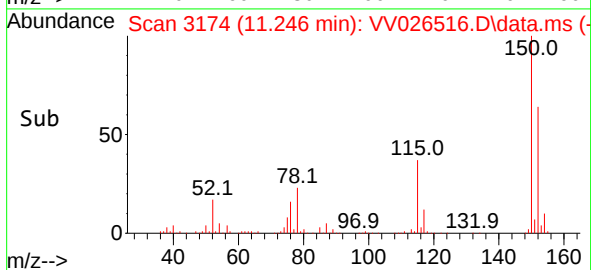
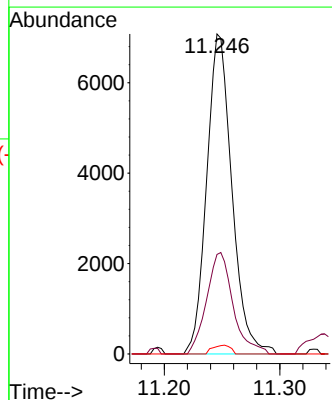
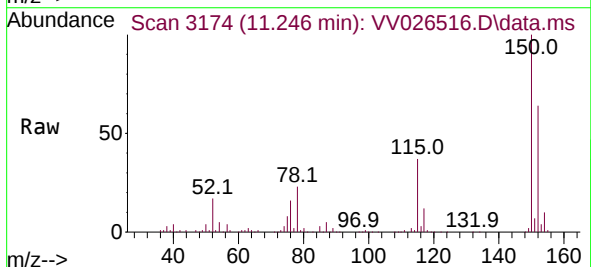
Instrument :
MSVOA_V
ClientSampleId :
C0AJ2DL

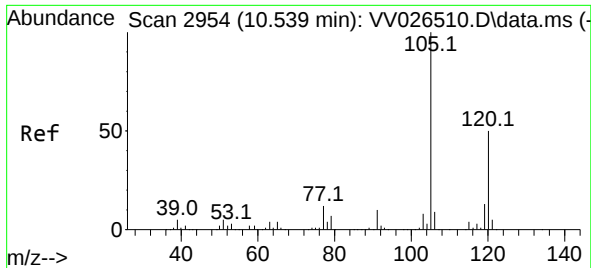
Tgt Ion:105 Resp: 17229
Ion Ratio Lower Upper
105 100
120 29.9 21.4 32.2
77 11.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 1.781 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026516.D
Acq: 23 Jun 2022 15:57

Tgt Ion: 75 Resp: 10730
Ion Ratio Lower Upper
75 100
77 33.3 25.8 38.6
110 1.9 32.5 48.7#





#62

1,3,5-Trimethylbenzene

Concen: 0.079 ug/L

RT: 10.541 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV026516.D

Acq: 23 Jun 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

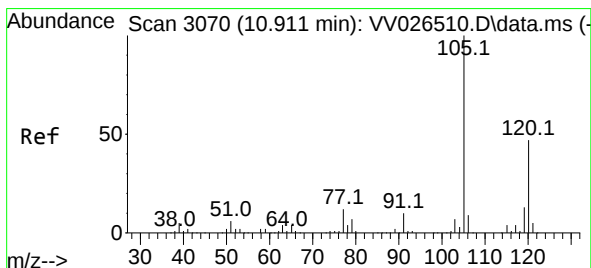
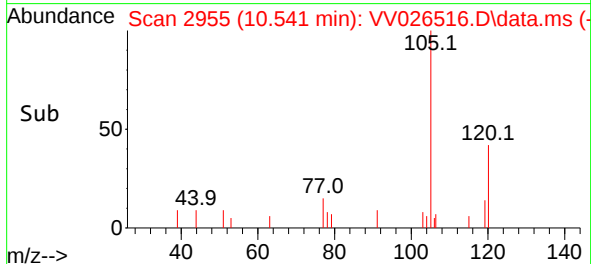
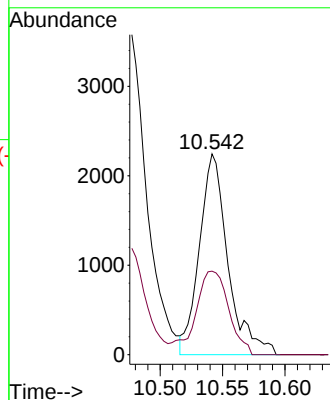
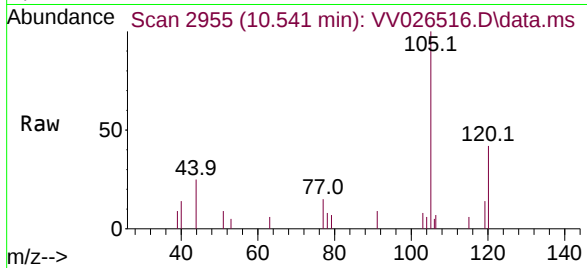
C0AJ2DL

Tgt Ion:105 Resp: 3584

Ion Ratio Lower Upper

105 100

120 48.6 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.218 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.006 min

Lab File: VV026516.D

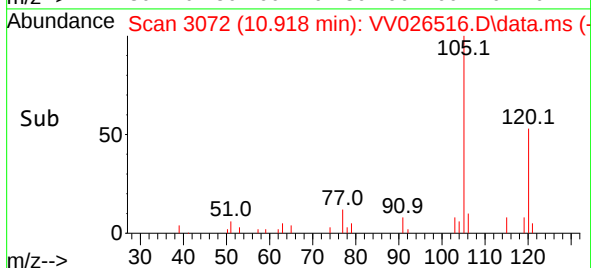
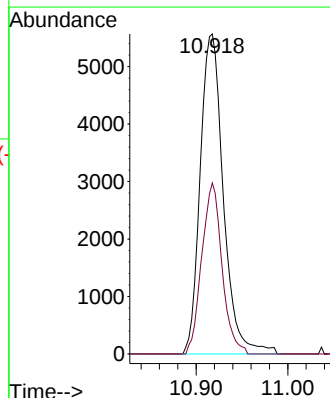
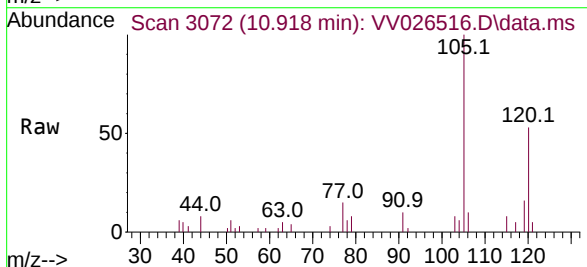
Acq: 23 Jun 2022 15:57

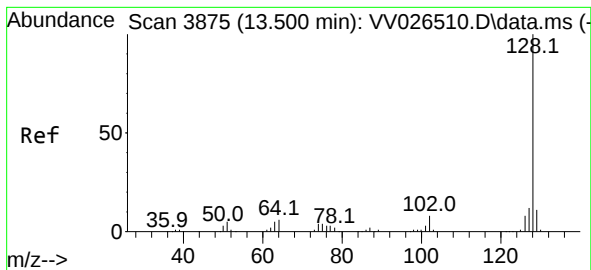
Tgt Ion:105 Resp: 9772

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.2





#71

Naphthalene

Concen: 0.155 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.009 min

Lab File: VV026516.D

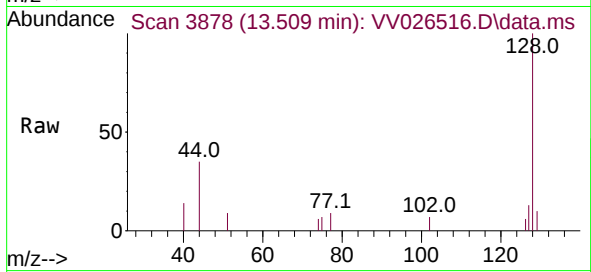
Acq: 23 Jun 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

C0AJ2DL



Tgt Ion:128 Resp: 2862

Ion Ratio Lower Upper

128 100

129 7.6 8.6 12.8#

127 11.6 10.2 15.4

