

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062122\
 Data File : VW026499.D
 Acq On : 21 Jun 2022 19:26
 Operator : SY/MD
 Sample : N3374-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 22 04:45:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 04:36:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	178984	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	171304	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	94019	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	57473	3.697	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.000%
7) Chloroethane-d5	1.584	69	50908	4.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.124	63	82830	3.103	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.000%
20) 2-Butanone-d5	3.931	46	72977	48.109	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.220%
24) Chloroform-d	4.365	84	118914	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	5.047	65	45223	4.691	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.063	84	226818	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.079	67	70211	5.253	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.320	98	200518	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	7.628	79	17224	3.974	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.091	63	76954	58.776	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.560%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	47960	5.825	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	79630	5.499	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.150	85	3800	0.284	ug/L	99
3) Chloromethane	1.262	50	2676	0.180	ug/L #	51
5) Vinyl chloride	1.330	62	1212	0.078	ug/L #	1
8) Chloroethane	1.822	64	9714	1.013	ug/L #	49
13) Acetone	2.224	43	127561	108.509	ug/L	89
14) Carbon disulfide	2.310	76	44345	1.591	ug/L	97
15) Methyl Acetate	2.224	43	127392	45.164	ug/L #	49
17) Methyl tert-butyl Ether	2.786	73	3629	0.187	ug/L #	2
19) 1,1-Dichloroethane	3.211	63	2466	0.118	ug/L #	91
21) 2-Butanone	4.034	43	12421	8.166	ug/L	98
22) cis-1,2-Dichloroethene	3.934	96	847	0.076	ug/L #	58
30) Cyclohexane	4.690	56	1947	0.138	ug/L #	91
33) Benzene	5.114	78	54632	1.244	ug/L	100
35) Methylcyclohexane	6.143	83	921	0.056	ug/L #	49
39) cis-1,3-Dichloropropene	6.995	75	1459	0.111	ug/L #	75
40) 4-Methyl-2-pentanone	7.236	43	19199	4.546	ug/L #	88
42) Toluene	7.394	91	32849	0.711	ug/L	94
44) trans-1,3-Dichloropropene	7.628	75	904	0.086	ug/L #	79
45) 1,1,2-Trichloroethane	7.863	97	570	0.076	ug/L #	1

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

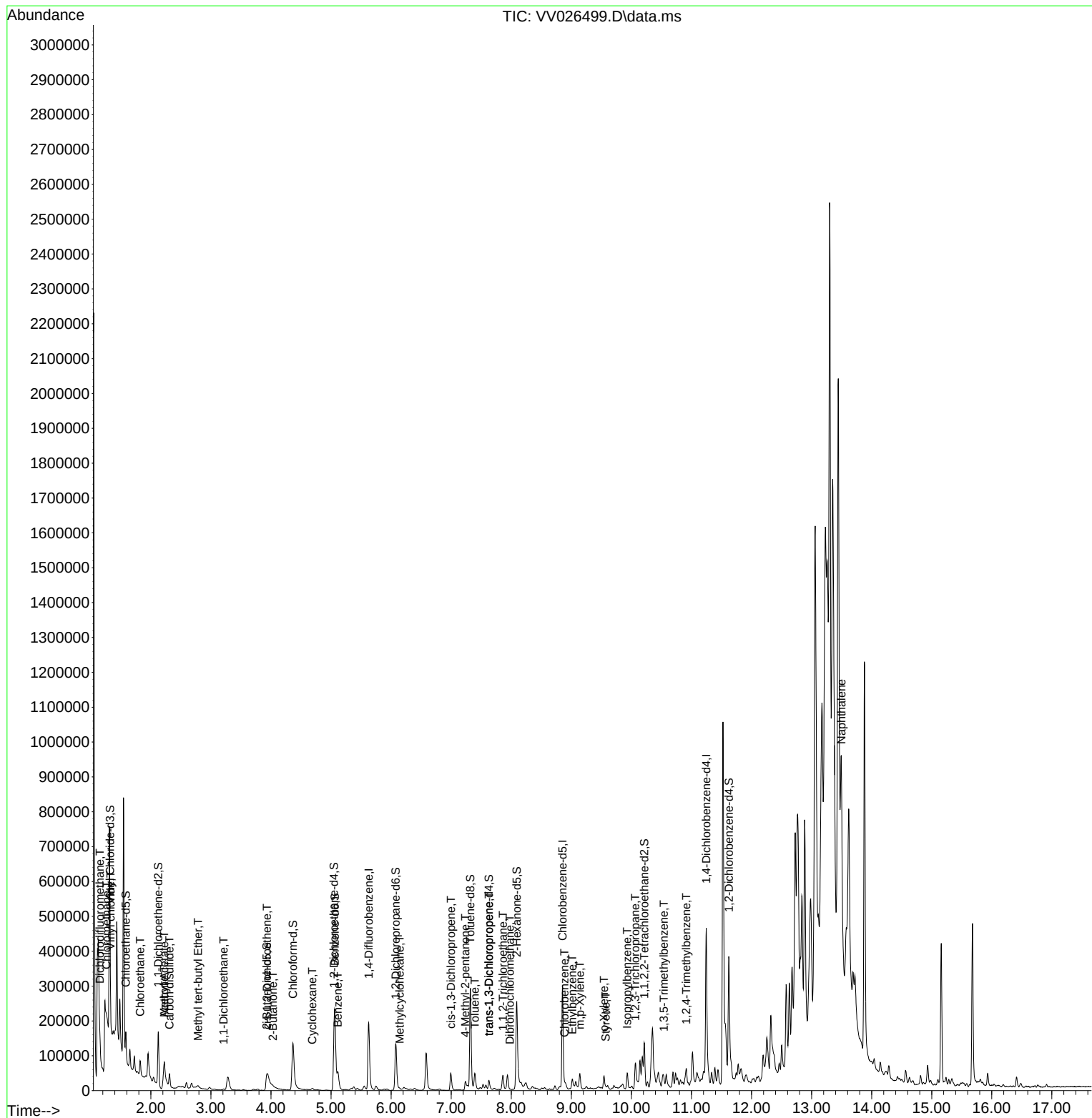
49) Dibromochloromethane	7.979	129	233	0.028	ug/L #	9
51) Chlorobenzene	8.886	112	3346	0.111	ug/L	93
52) Ethylbenzene	9.017	91	19731	0.426	ug/L	99
53) m,p-Xylene	9.143	106	12471	0.691	ug/L	88
54) o-Xylene	9.545	106	5366	0.307	ug/L	94
55) Styrene	9.574	104	1613	0.055	ug/L	89
60) Isopropylbenzene	9.931	105	27635	0.551	ug/L	99
61) 1,2,3-Trichloropropane	10.062	75	414	0.068	ug/L #	49
62) 1,3,5-Trimethylbenzene	10.538	105	7251	0.182	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	17647	0.448	ug/L	98
71) Naphthalene	13.500	128	122582	6.722	ug/L	99

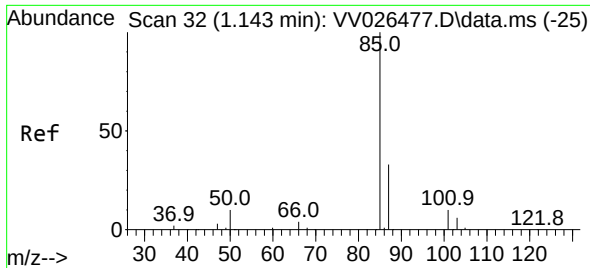
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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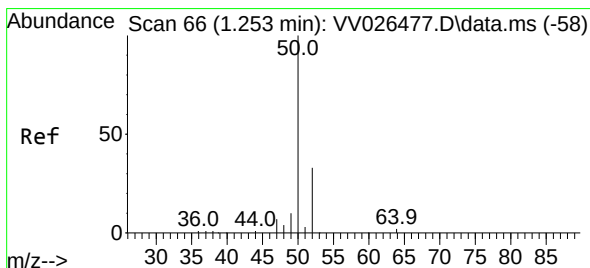
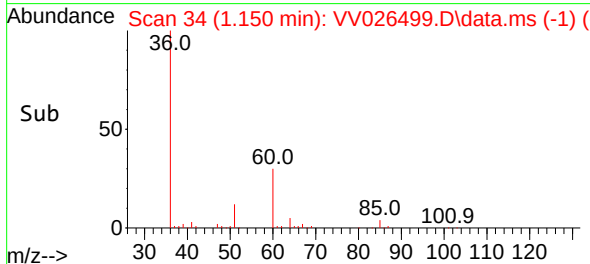
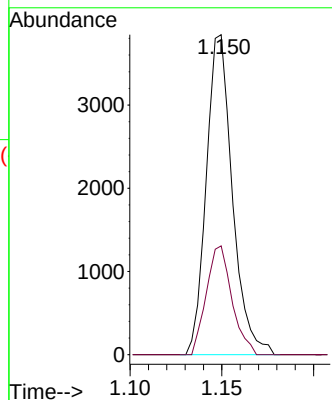
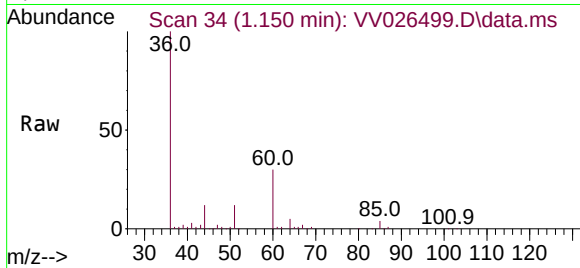




#2
 Dichlorodifluoromethane
 Concen: 0.284 ug/L
 RT: 1.150 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

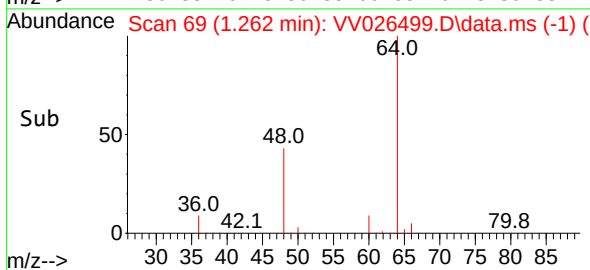
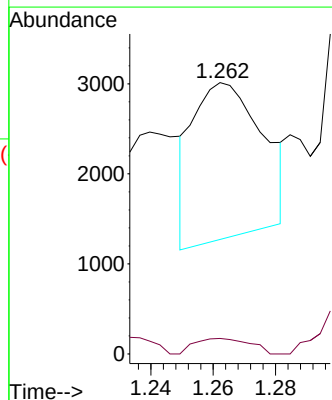
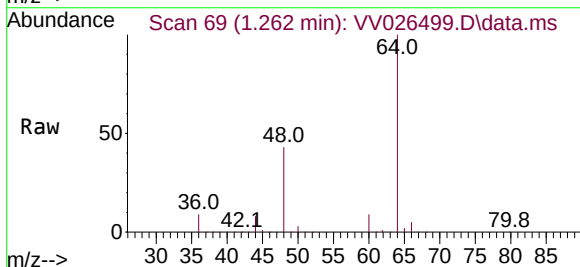
Instrument :
 MSVOA_V
 ClientSampleId :

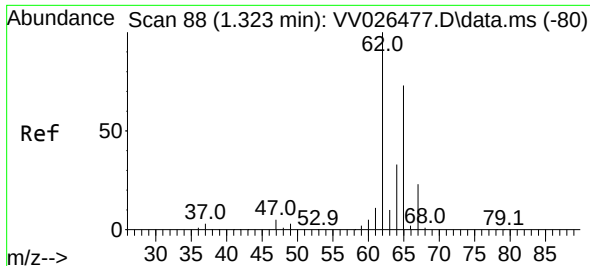
Tgt Ion: 85 Resp: 3800
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0



#3
 Chloromethane
 Concen: 0.180 ug/L
 RT: 1.262 min Scan# 69
 Delta R.T. 0.010 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

Tgt Ion: 50 Resp: 2676
 Ion Ratio Lower Upper
 50 100
 52 5.7 23.7 44.1#

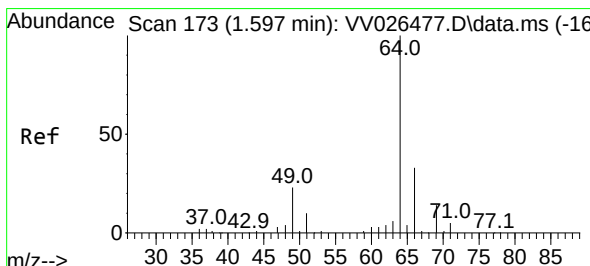
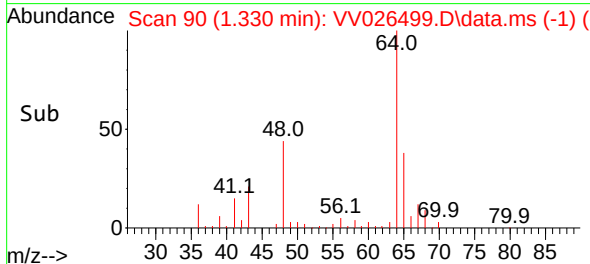
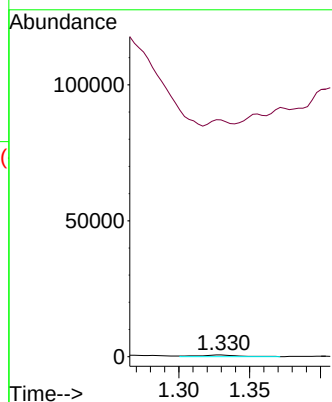
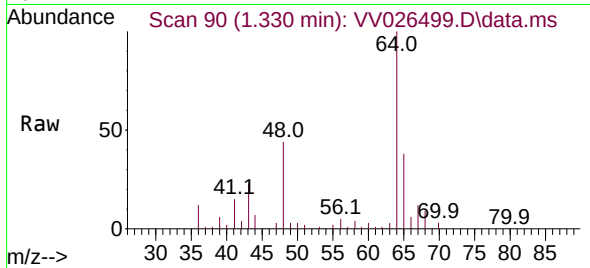




#5
 Vinyl chloride
 Concen: 0.078 ug/L
 RT: 1.330 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

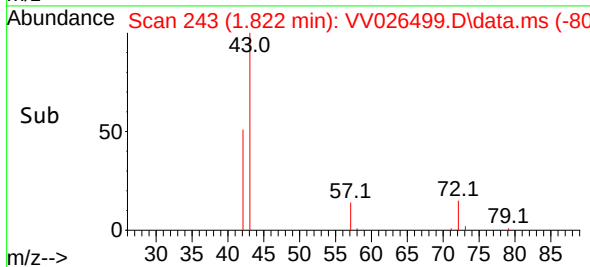
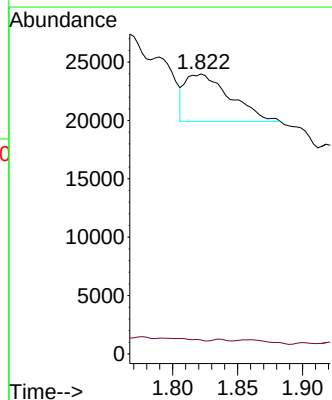
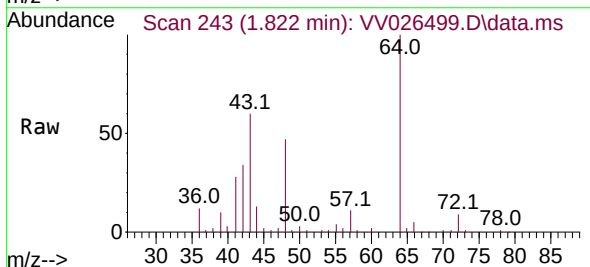
Instrument :
 MSVOA_V
 ClientSampleId :

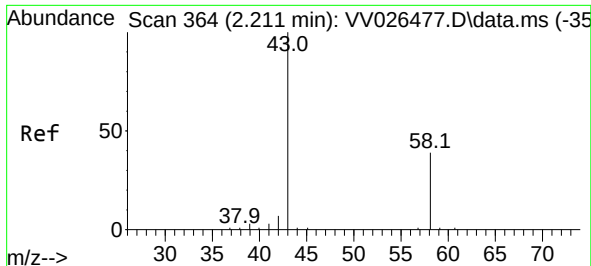
Tgt Ion: 62 Resp: 1212
 Ion Ratio Lower Upper
 62 100
 64 13384.9 23.2 43.2#



#8
 Chloroethane
 Concen: 1.013 ug/L
 RT: 1.822 min Scan# 243
 Delta R.T. 0.225 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

Tgt Ion: 64 Resp: 9714
 Ion Ratio Lower Upper
 64 100
 66 5.0 24.1 44.7#





#13

Acetone

Concen: 108.509 ug/L

RT: 2.224 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

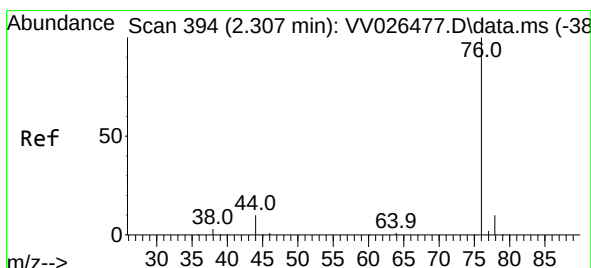
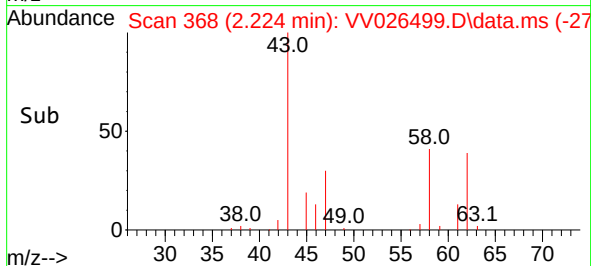
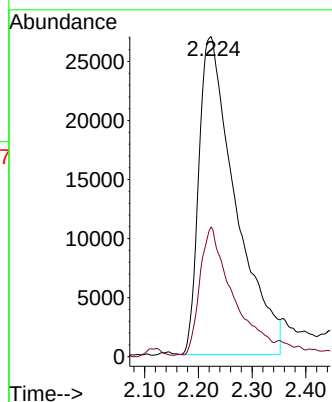
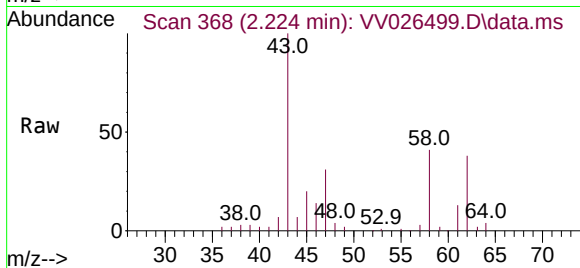
ClientSampleId :

Tgt Ion: 43 Resp: 127561

Ion Ratio Lower Upper

43 100

58 36.1 0.0 60.0



#14

Carbon disulfide

Concen: 1.591 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.003 min

Lab File: VV026499.D

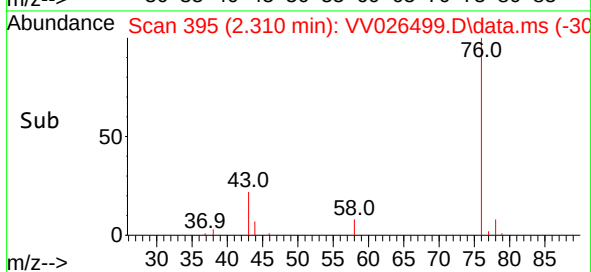
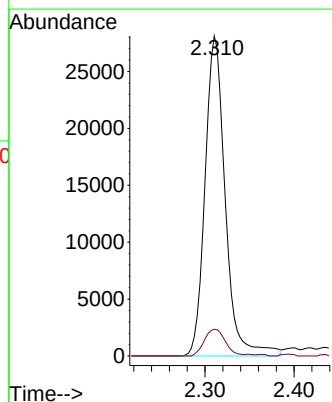
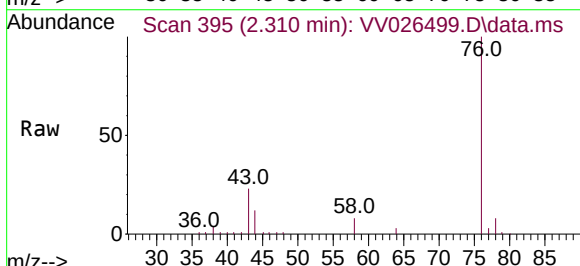
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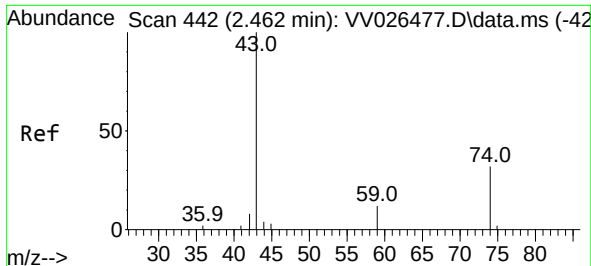
Tgt Ion: 76 Resp: 44345

Ion Ratio Lower Upper

76 100

78 8.4 7.7 11.5

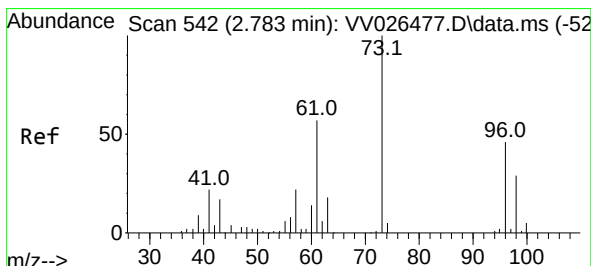
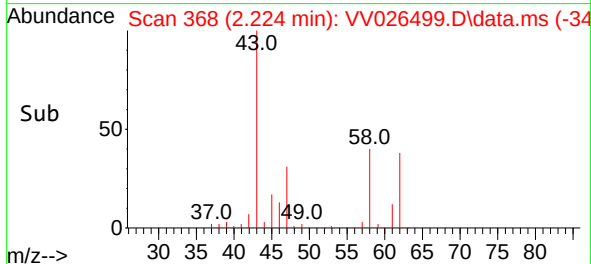
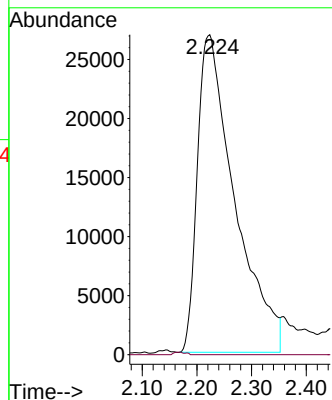
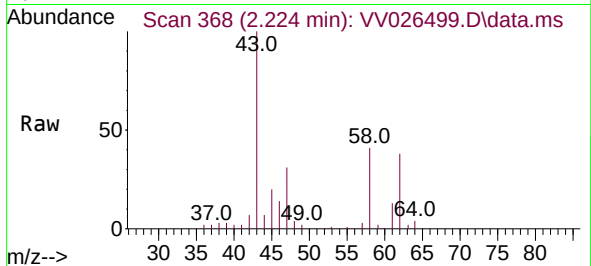




#15
Methyl Acetate
Concen: 45.164 ug/L
RT: 2.224 min Scan# 30
Delta R.T. -0.238 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

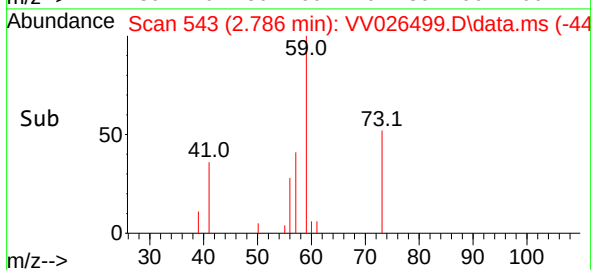
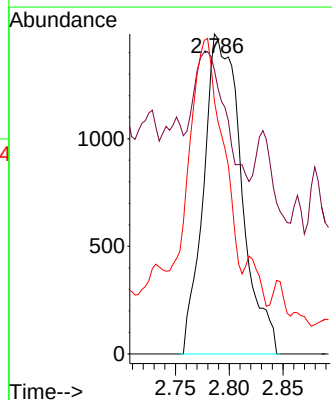
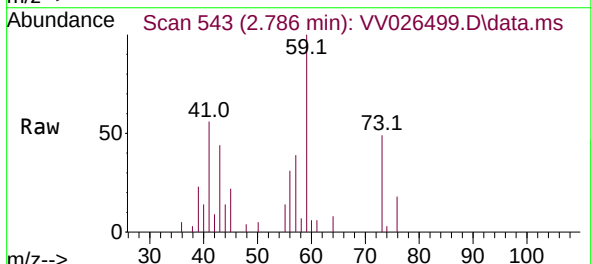
Instrument :
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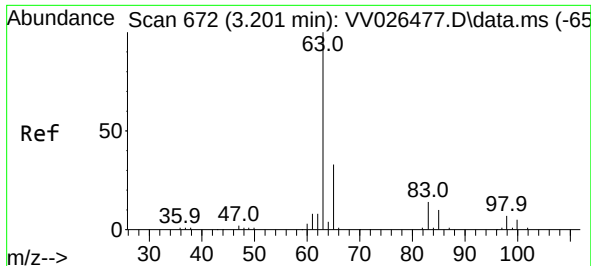
Tgt Ion: 43 Resp: 127392
Ion Ratio Lower Upper
43 100
74 0.2 21.4 32.0#



#17
Methyl tert-butyl Ether
Concen: 0.187 ug/L
RT: 2.786 min Scan# 543
Delta R.T. 0.003 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Tgt Ion: 73 Resp: 3629
Ion Ratio Lower Upper
73 100
43 33.1 13.0 19.6#
57 89.4 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 0.118 ug/L

RT: 3.211 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV026499.D

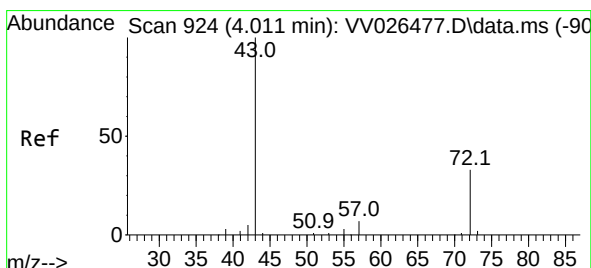
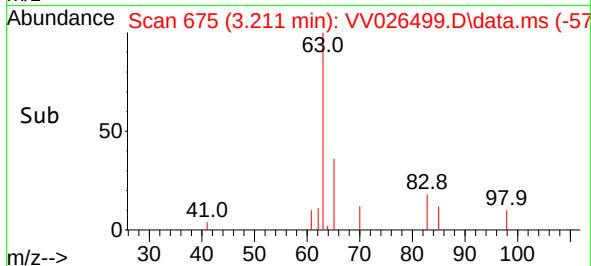
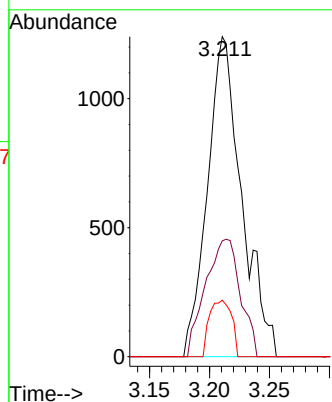
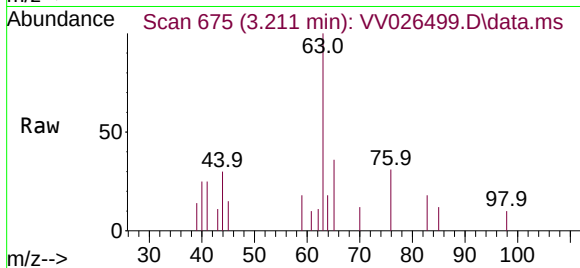
Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	2466
Ion Ratio	Lower	Upper	
63	100		
65	36.2	22.3	41.3
83	17.7	8.9	16.5



#21

2-Butanone

Concen: 8.166 ug/L

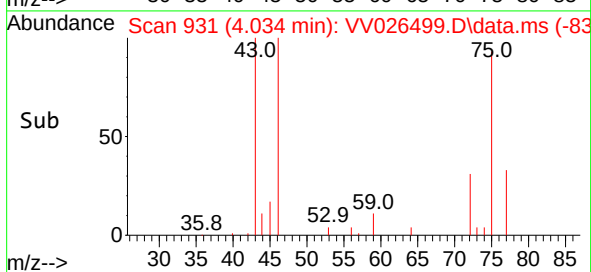
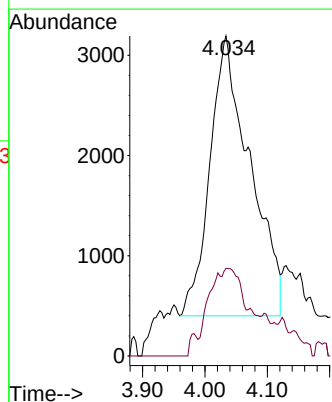
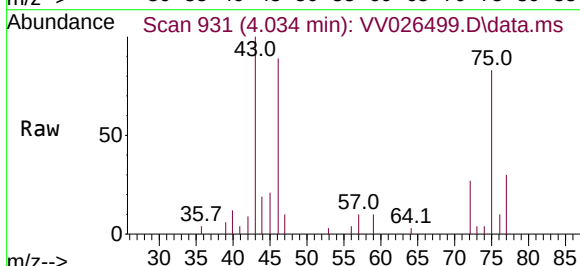
RT: 4.034 min Scan# 931

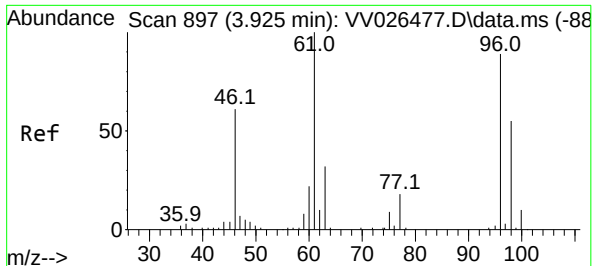
Delta R.T. 0.022 min

Lab File: VV026499.D

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Tgt Ion:	43	Resp:	12421
Ion Ratio	Lower	Upper	
43	100		
72	24.4	12.7	38.0

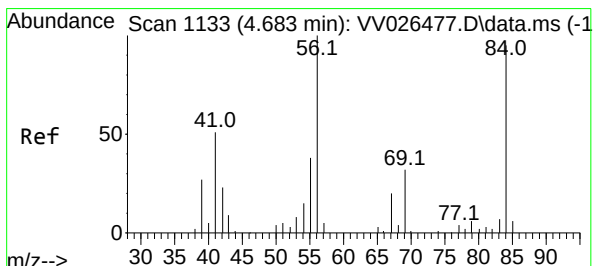
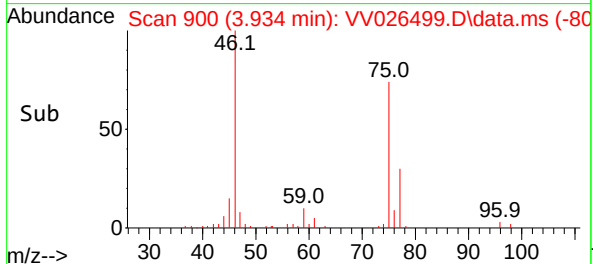
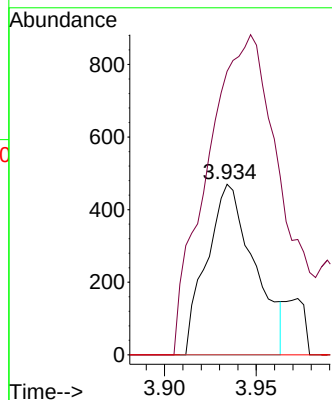
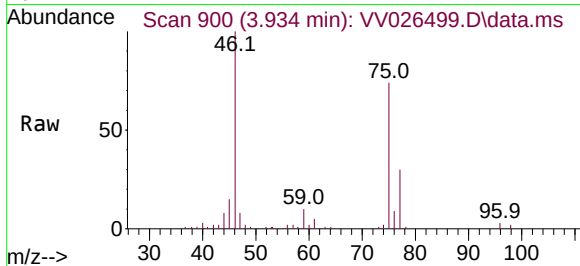




#22
 cis-1,2-Dichloroethene
 Concen: 0.076 ug/L
 RT: 3.934 min Scan# 90
 Delta R.T. 0.010 min
 Lab File: VV026499.D
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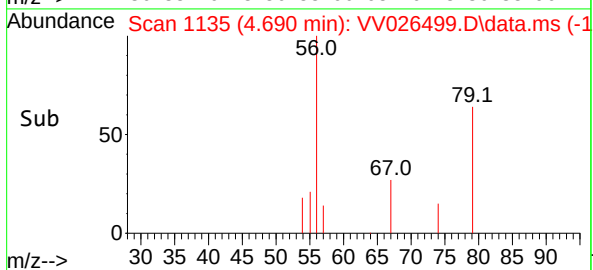
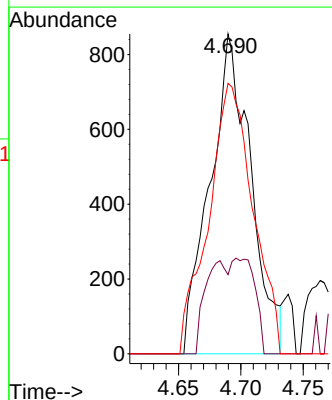
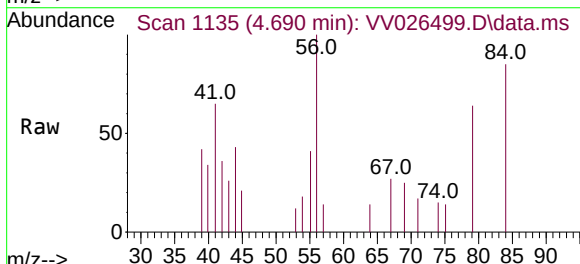
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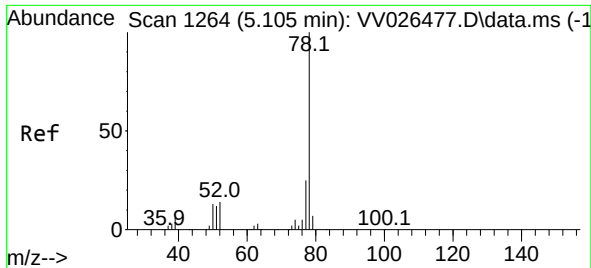
Tgt Ion: 96 Resp: 847
 Ion Ratio Lower Upper
 96 100
 61 166.2 83.6 155.2#
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.138 ug/L
 RT: 4.690 min Scan# 1135
 Delta R.T. 0.006 min
 Lab File: VV026499.D
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Tgt Ion: 56 Resp: 1947
 Ion Ratio Lower Upper
 56 100
 69 17.4 24.9 37.3#
 84 91.9 76.4 114.6





#33

Benzene

Concen: 1.244 ug/L

RT: 5.114 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV026499.D

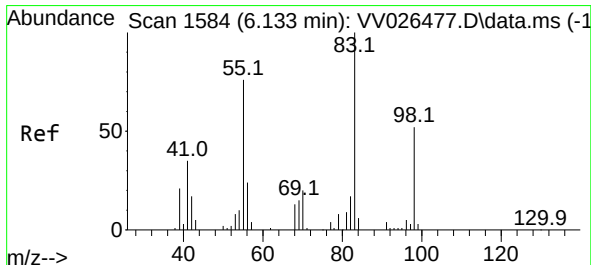
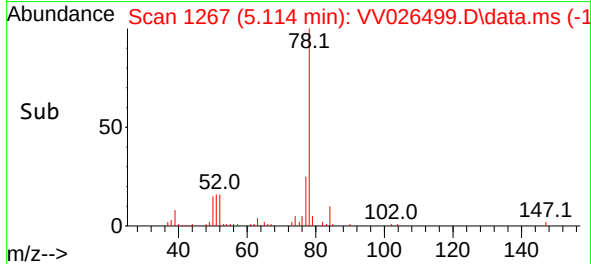
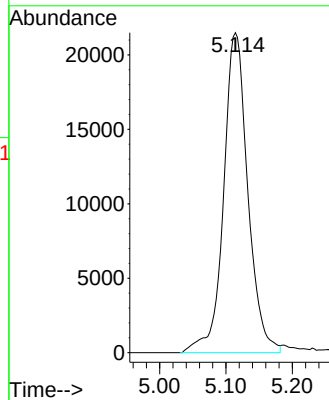
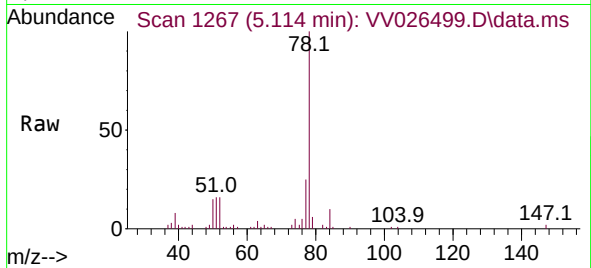
Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 54632



#35

Methylcyclohexane

Concen: 0.056 ug/L

RT: 6.143 min Scan# 1587

Delta R.T. 0.010 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

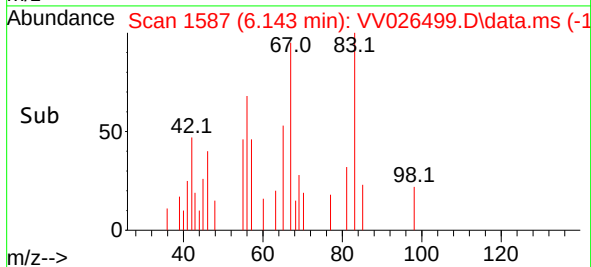
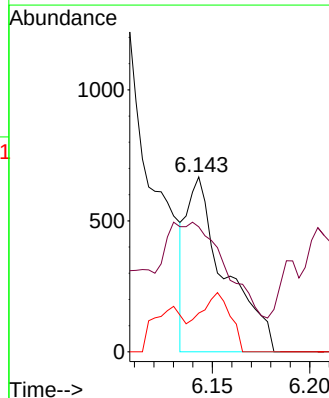
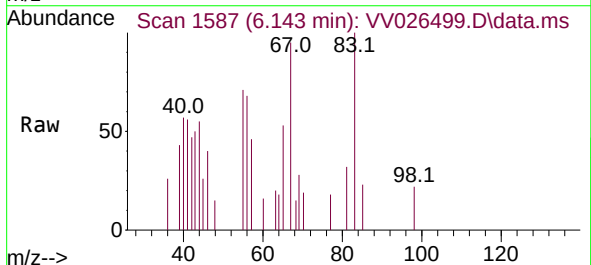
Tgt Ion: 83 Resp: 921

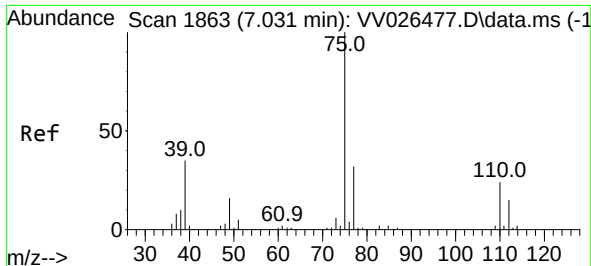
Ion Ratio Lower Upper

83 100

55 20.5 59.3 88.9#

98 27.0 39.9 59.9#





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.035 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

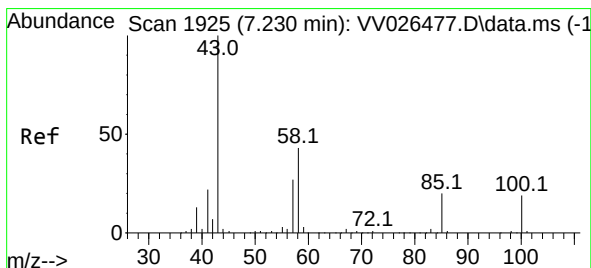
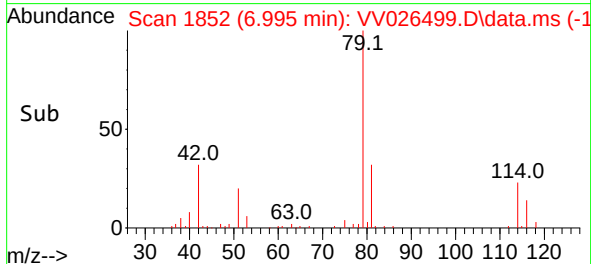
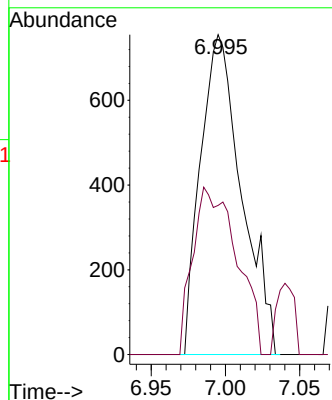
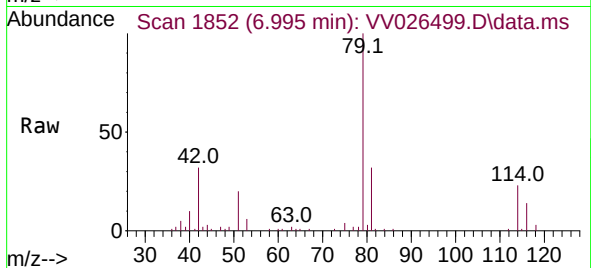
ClientSampleId :

Tgt Ion: 75 Resp: 1459

Ion Ratio Lower Upper

75 100

77 46.6 23.0 42.6#



#40

4-Methyl-2-pentanone

Concen: 4.546 ug/L

RT: 7.236 min Scan# 1927

Delta R.T. 0.006 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

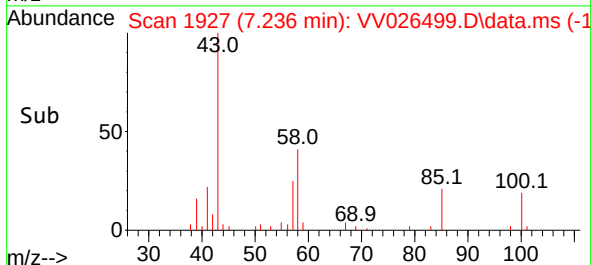
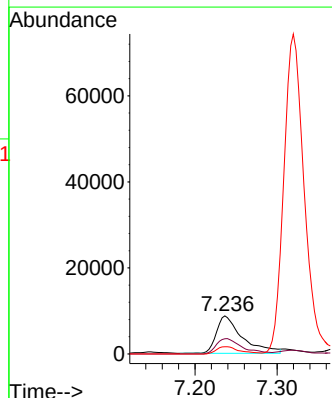
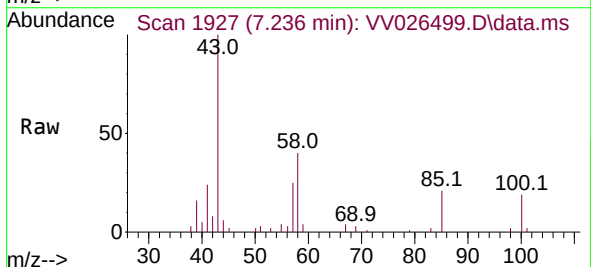
Tgt Ion: 43 Resp: 19199

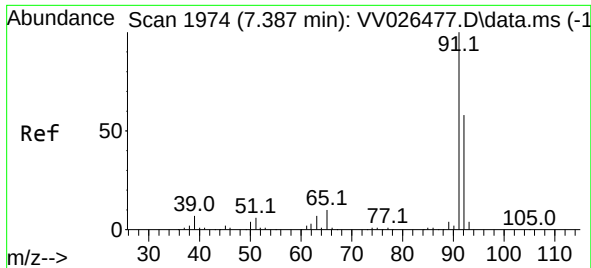
Ion Ratio Lower Upper

43 100

58 40.7 33.3 49.9

100 0.0 13.4 20.2#





#42

Toluene

Concen: 0.711 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

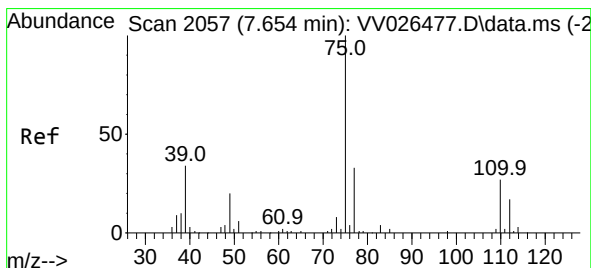
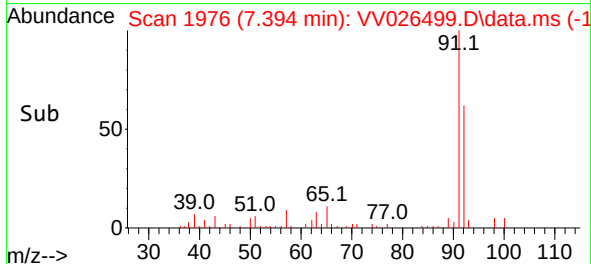
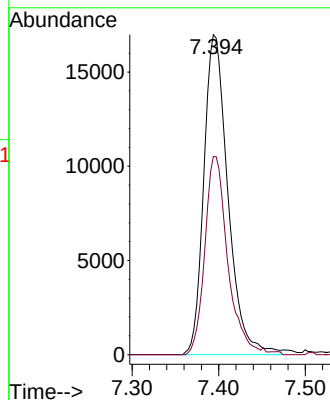
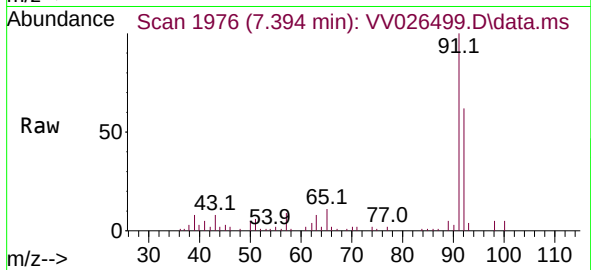
ClientSampleId :

Tgt Ion: 91 Resp: 32849

Ion Ratio Lower Upper

91 100

92 61.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.628 min Scan# 2049

Delta R.T. -0.026 min

Lab File: VV026499.D

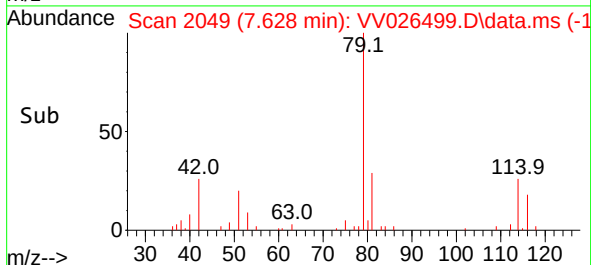
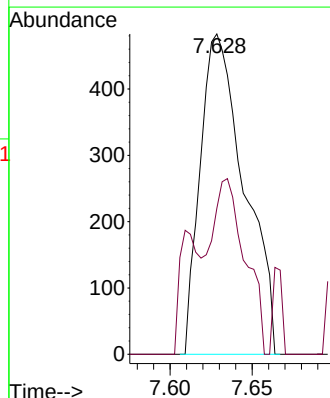
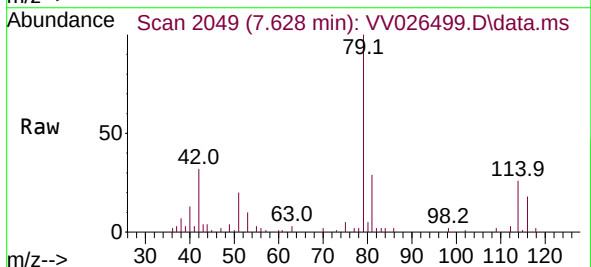
Acq: 21 Jun 2022 19:26

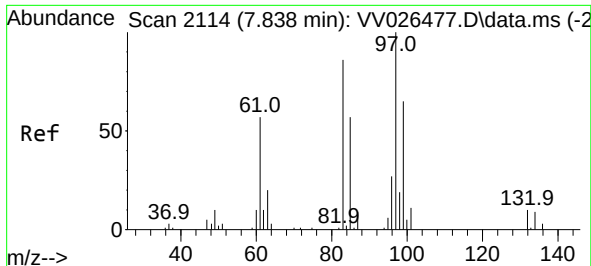
Tgt Ion: 75 Resp: 904

Ion Ratio Lower Upper

75 100

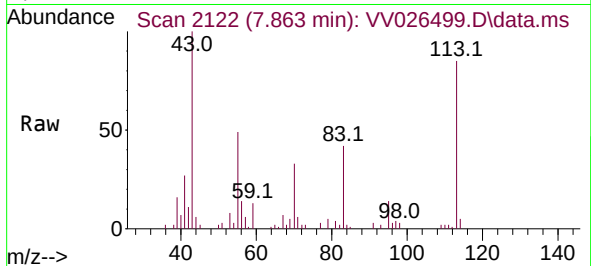
77 45.5 23.7 43.9#



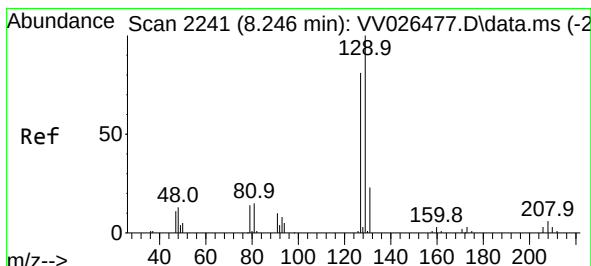
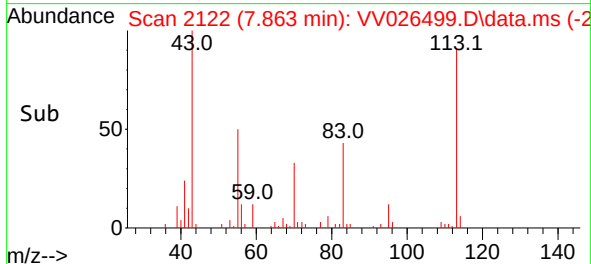
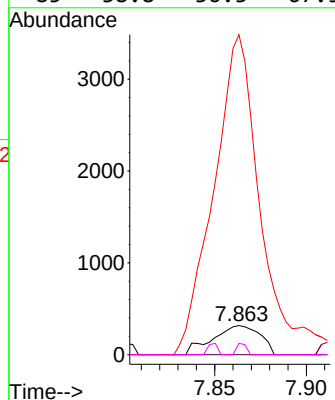


#45
1,1,2-Trichloroethane
Concen: 0.076 ug/L
RT: 7.863 min Scan# 2114
Delta R.T. 0.026 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Instrument :
MSVOA_V
ClientSampleId :

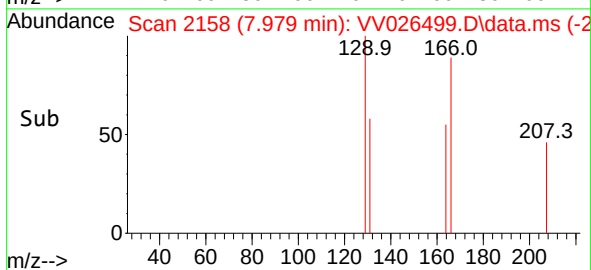
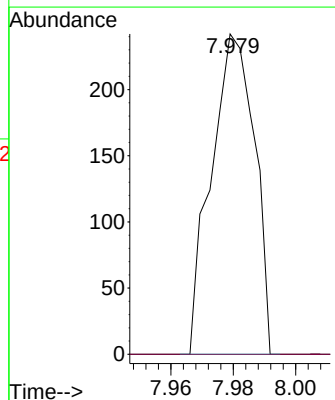
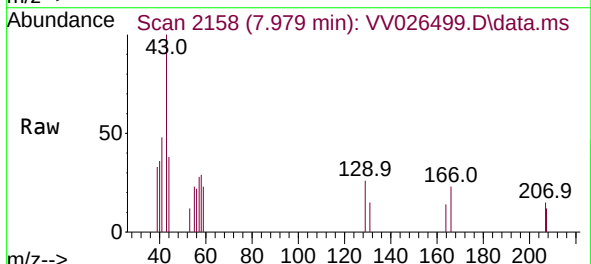


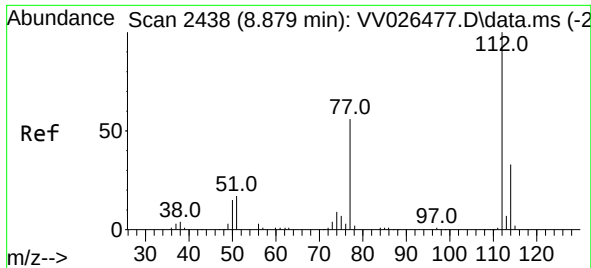
Tgt Ion: 97 Resp: 570
Ion Ratio Lower Upper
97 100
99 0.0 42.4 78.6#
83 1099.4 56.1 104.1#
85 38.8 36.3 67.5



#49
Dibromochloromethane
Concen: 0.028 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Tgt Ion: 129 Resp: 233
Ion Ratio Lower Upper
129 100
127 0.0 56.4 104.7#

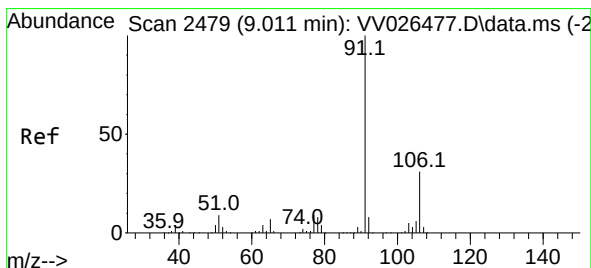
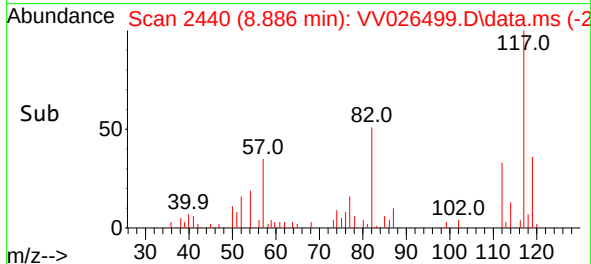
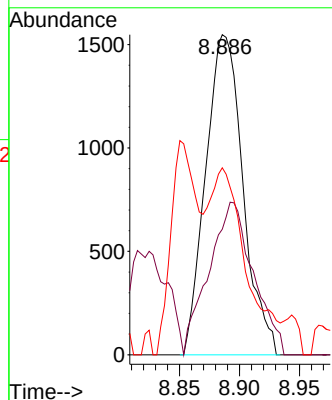
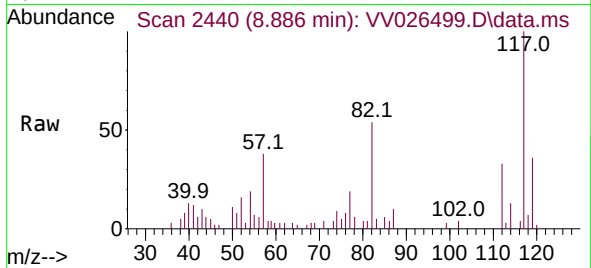




#51
Chlorobenzene
Concen: 0.111 ug/L
RT: 8.886 min Scan# 2438
Delta R.T. 0.006 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

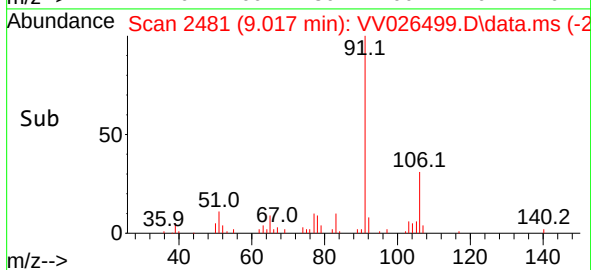
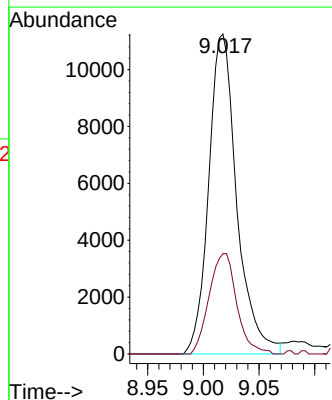
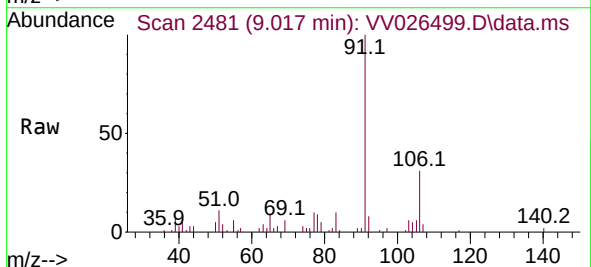
Instrument :
MSVOA_V
ClientSampleId :

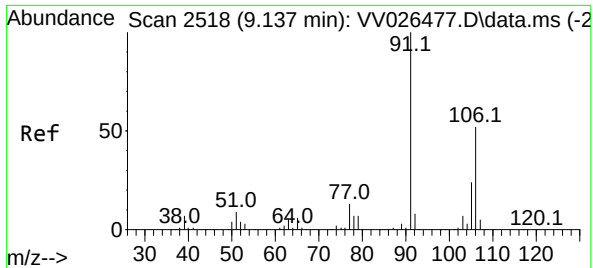
Tgt Ion:112 Resp: 3346
Ion Ratio Lower Upper
112 100
114 39.2 22.7 42.3
77 58.4 44.5 66.7



#52
Ethylbenzene
Concen: 0.426 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Tgt Ion: 91 Resp: 19731
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.0

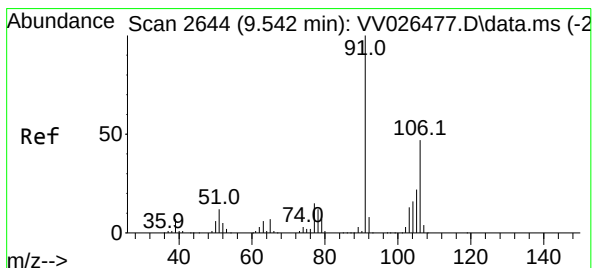
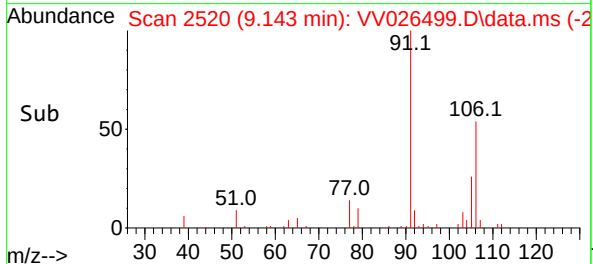
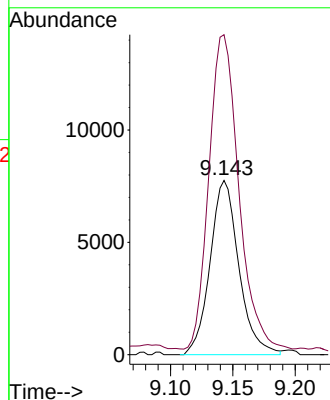
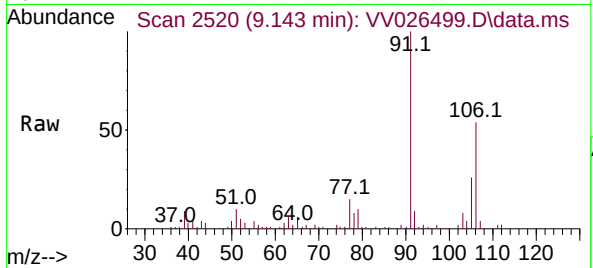




#53
m,p-Xylene
Concen: 0.691 ug/L
RT: 9.143 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

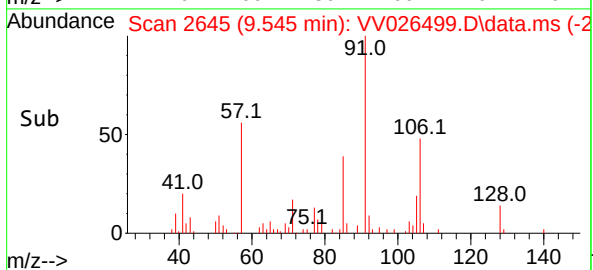
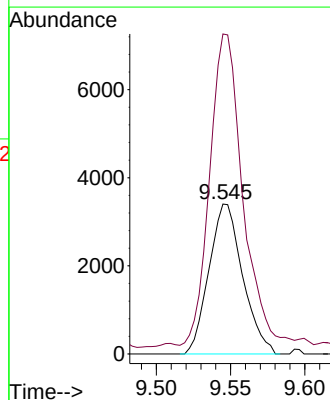
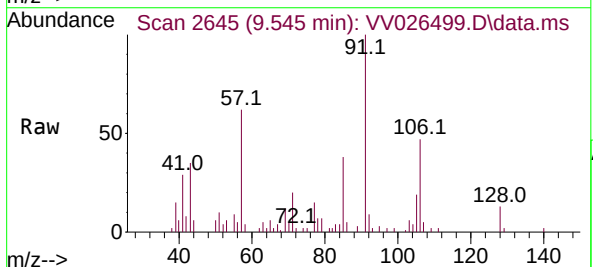
Instrument :
MSVOA_V
ClientSampleId :

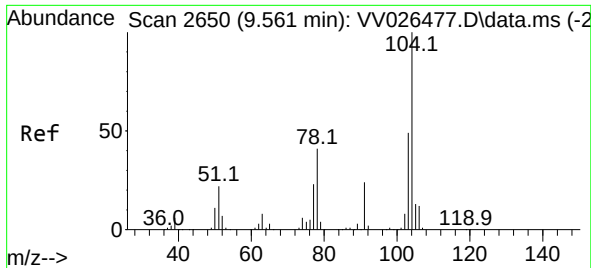
Tgt Ion:106 Resp: 12471
Ion Ratio Lower Upper
106 100
91 183.6 141.3 262.3



#54
o-Xylene
Concen: 0.307 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Tgt Ion:106 Resp: 5366
Ion Ratio Lower Upper
106 100
91 213.3 143.3 266.1

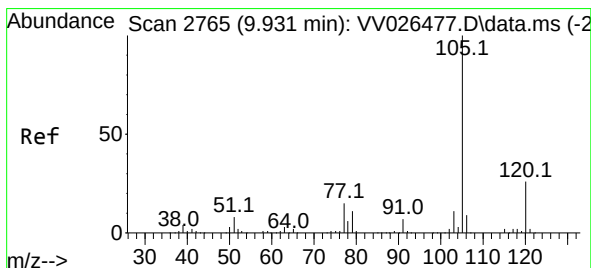
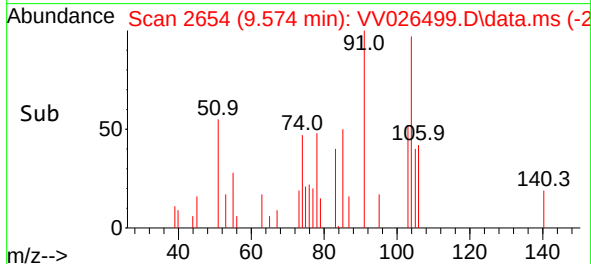
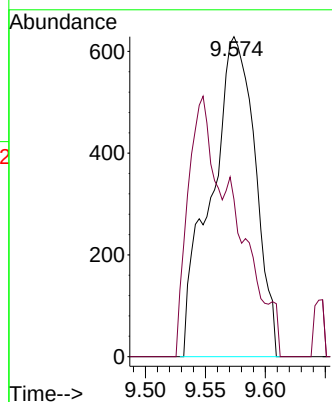
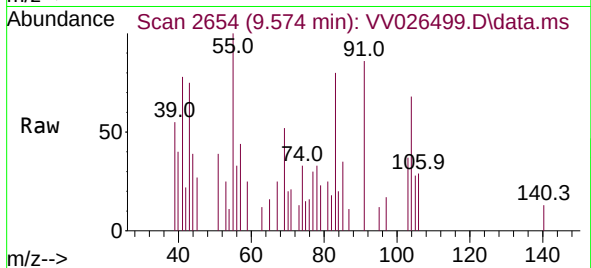




#55
Styrene
Concen: 0.055 ug/L
RT: 9.574 min Scan# 20
Delta R.T. 0.013 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

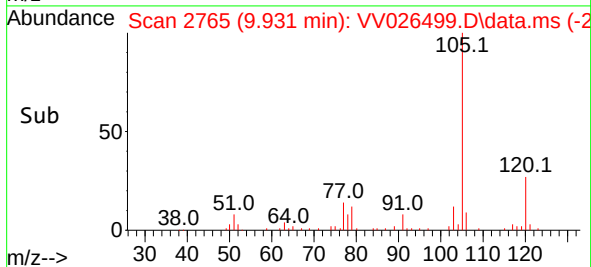
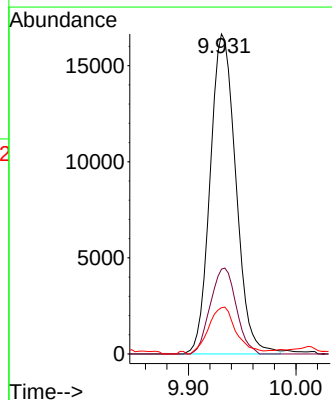
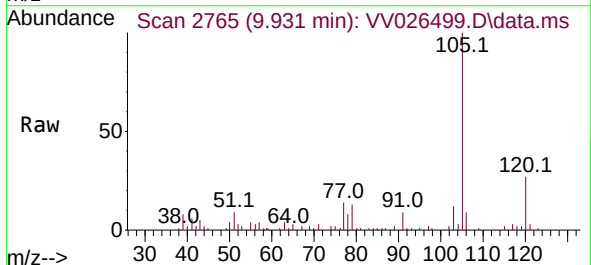
Instrument :
MSVOA_V
ClientSampleId :

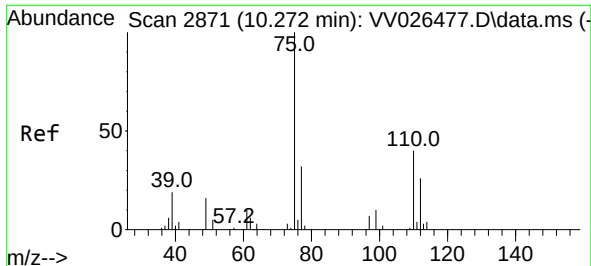
Tgt Ion:104 Resp: 1613
Ion Ratio Lower Upper
104 100
78 49.1 29.5 54.7



#60
Isopropylbenzene
Concen: 0.551 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026499.D
Acq: 21 Jun 2022 19:26

Tgt Ion:105 Resp: 27635
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 15.7 12.2 18.4

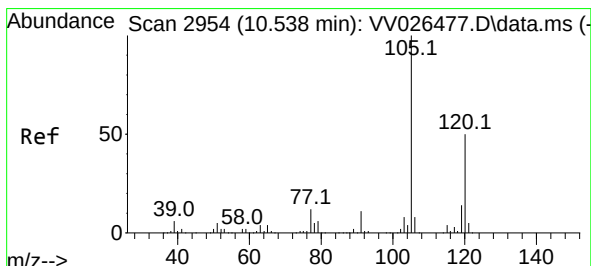
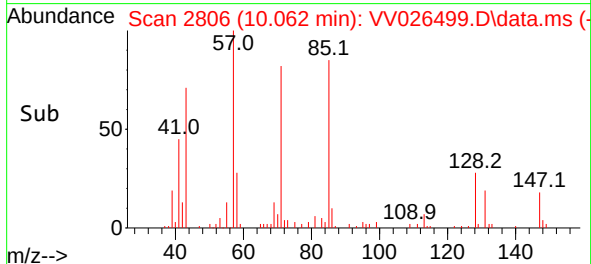
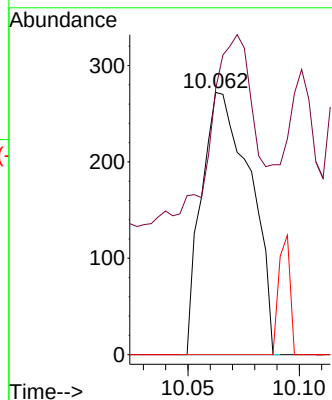
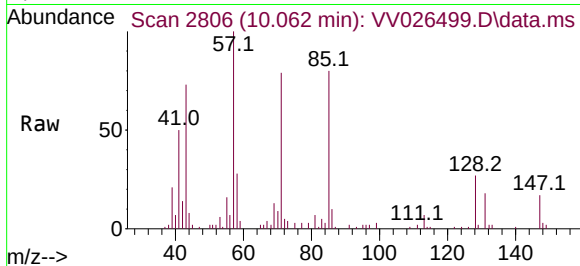




#61
 1,2,3-Trichloropropane
 Concen: 0.068 ug/L
 RT: 10.062 min Scan# 21
 Delta R.T. -0.209 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

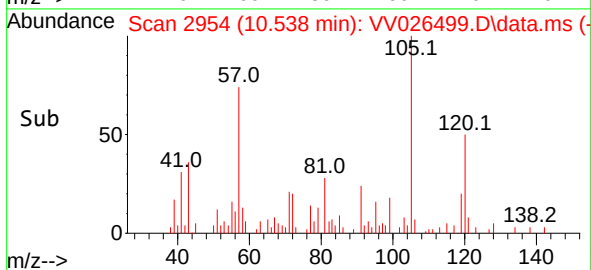
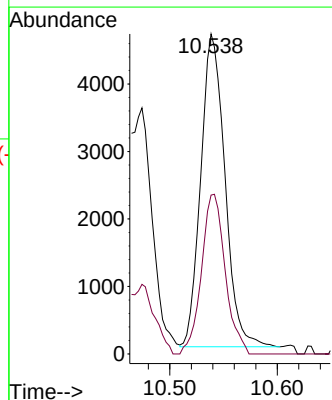
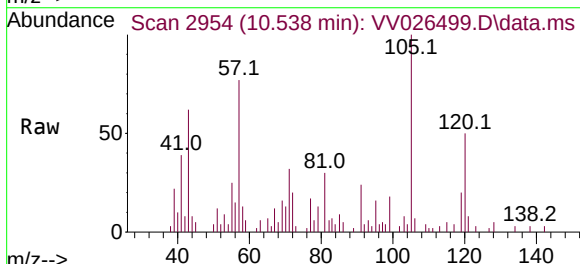
Instrument :
 MSVOA_V
 ClientSampleId :

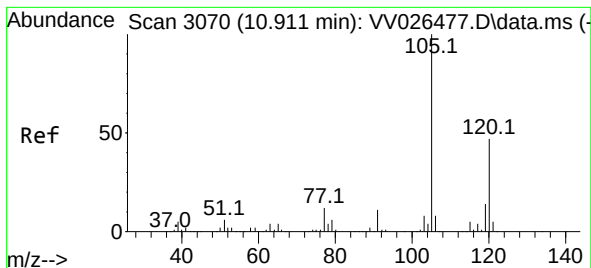
Tgt Ion: 75 Resp: 414
 Ion Ratio Lower Upper
 75 100
 77 54.3 26.9 40.3#
 110 0.0 30.7 46.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.182 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV026499.D
 Acq: 21 Jun 2022 19:26

Tgt Ion: 105 Resp: 7251
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.448 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

Instrument :

MSVOA_V

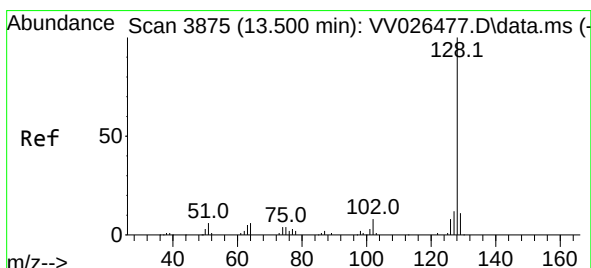
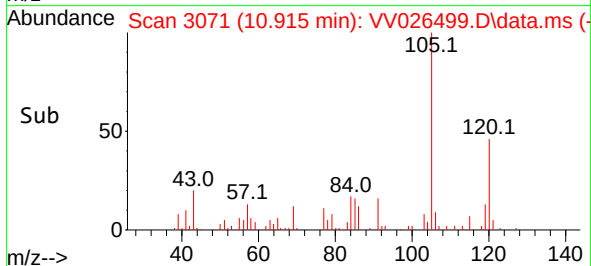
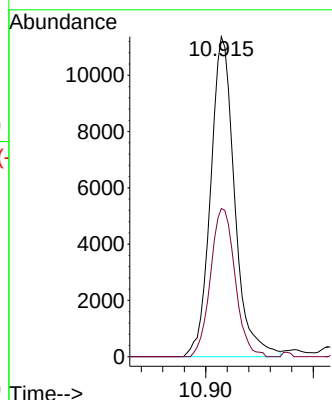
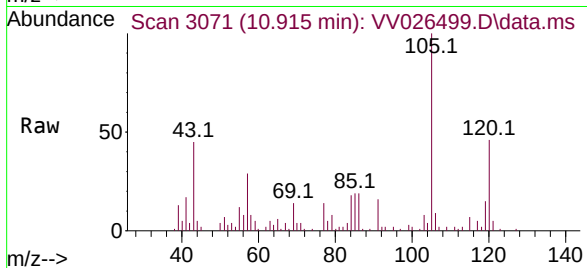
ClientSampleId :

Tgt Ion:105 Resp: 17647

Ion Ratio Lower Upper

105 100

120 47.2 36.9 55.3



#71

Naphthalene

Concen: 6.722 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV026499.D

Acq: 21 Jun 2022 19:26

Tgt Ion:128 Resp: 122582

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

127 12.6 10.6 16.0

