

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061822\
 Data File : VW026431.D
 Acq On : 18 Jun 2022 18:35
 Operator : SY/MD
 Sample : N3358-18
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 01:31:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jun 20 01:25:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	273205	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	247357	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	125038	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.327	65	101017	4.257	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.587	69	71326	3.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.127	63	122007	2.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.800%#
20) 2-Butanone-d5	3.931	46	109404	47.249	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.500%
24) Chloroform-d	4.365	84	159785	4.594	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.047	65	63618	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.063	84	331128	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.079	67	97588	5.056	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.320	98	329057	5.457	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
43) trans-1,3-Dichloroprop...	7.625	79	30309	4.843	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.092	63	118215	62.529	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.060%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	62263	5.237	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	102535	5.324	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	147339	6.496	ug/L #	42
5) Vinyl chloride	1.436	62	52307	2.218	ug/L #	1
6) Bromomethane	1.545	94	3144	0.239	ug/L	99
13) Acetone	2.220	43	146652	81.727	ug/L	57
14) Carbon disulfide	2.314	76	557105	13.091	ug/L	99
15) Methyl Acetate	2.462	43	84777	19.690	ug/L	93
17) Methyl tert-butyl Ether	2.796	73	6588	0.222	ug/L #	1
19) 1,1-Dichloroethane	3.211	63	39445	1.236	ug/L	96
21) 2-Butanone	4.034	43	14339	6.176	ug/L	81
33) Benzene	5.114	78	113979	1.797	ug/L	100
35) Methylcyclohexane	6.076	83	23698	0.989	ug/L #	20
38) Bromodichloromethane	6.571	83	10249	0.509	ug/L #	1
39) cis-1,3-Dichloropropene	6.995	75	2570	0.136	ug/L #	65
40) 4-Methyl-2-pentanone	7.233	43	231574	37.970	ug/L	99
42) Toluene	7.394	91	74225	1.113	ug/L	100
44) trans-1,3-Dichloropropene	7.622	75	1213	0.080	ug/L	83
45) 1,1,2-Trichloroethane	7.857	97	2077	0.191	ug/L #	1
49) Dibromochloromethane	7.982	129	430	0.036	ug/L #	9
52) Ethylbenzene	9.018	91	15372	0.230	ug/L	99

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

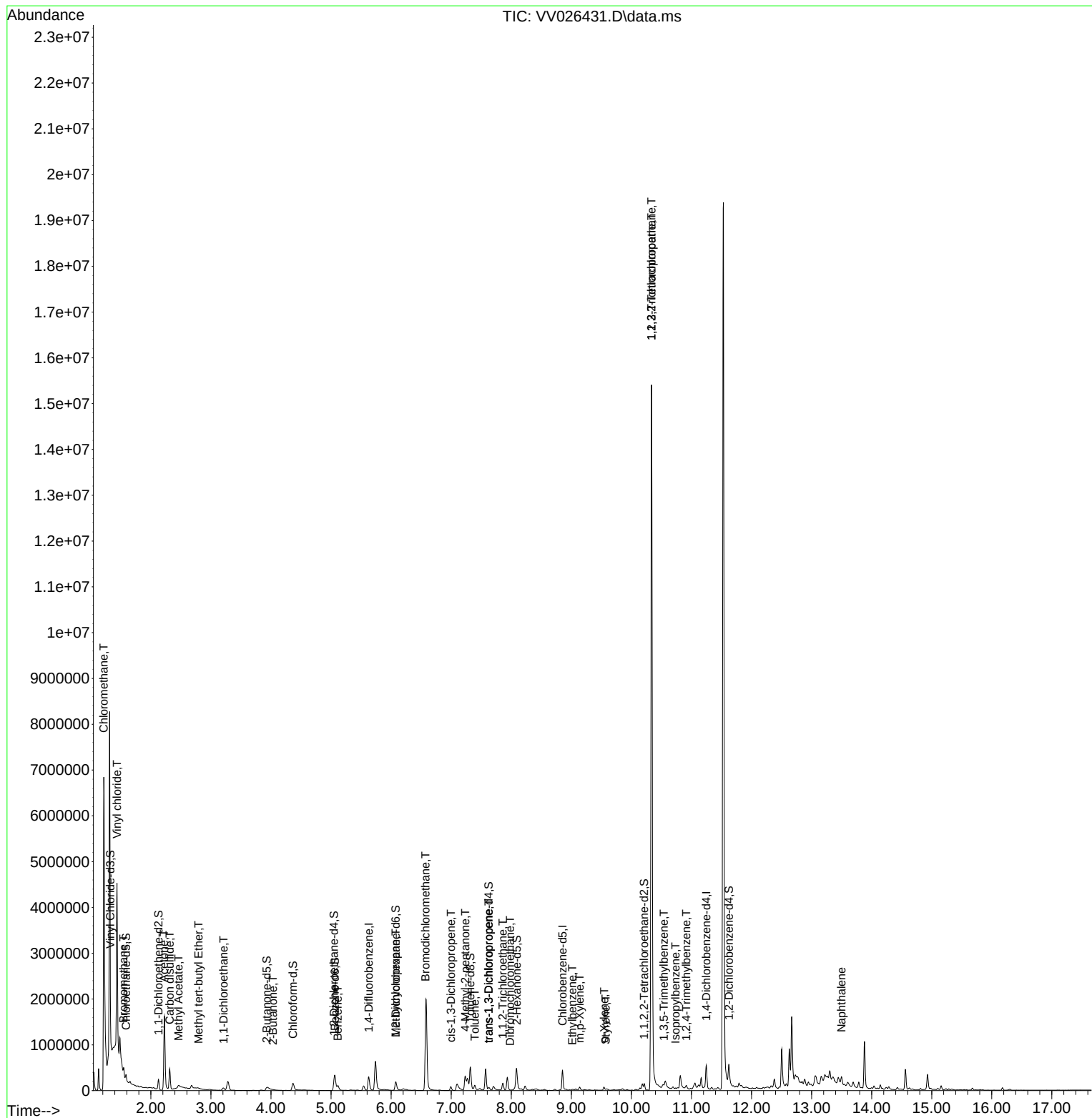
53) m,p-Xylene	9.140	106	20002	0.767	ug/L	94
54) o-Xylene	9.548	106	12012	0.476	ug/L	96
55) Styrene	9.574	104	2464	0.058	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.336	83	407134	36.866	ug/L #	1
60) Isopropylbenzene	10.738	105	10893	0.163	ug/L	93
61) 1,2,3-Trichloropropane	10.336	75	2844	0.351	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	12567	0.238	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	32880	0.628	ug/L	98
71) Naphthalene	13.500	128	112206	4.627	ug/L	99

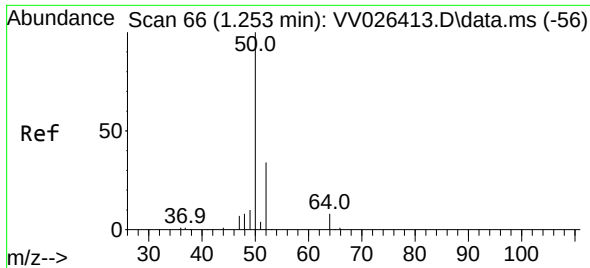
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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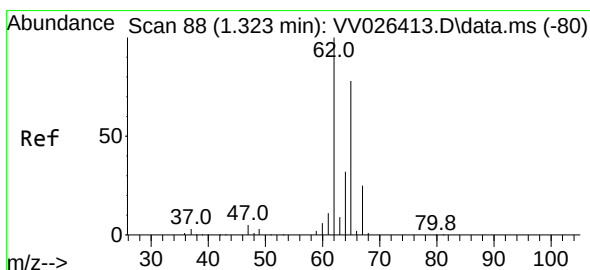
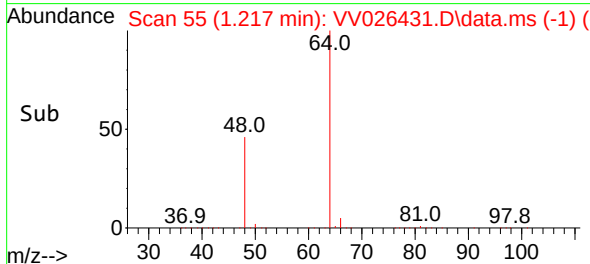
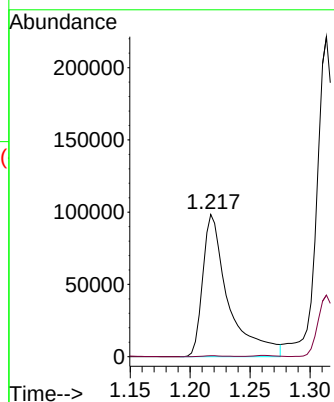
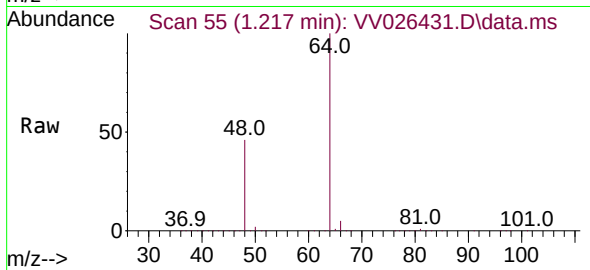




#3
Chloromethane
Concen: 6.496 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.035 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

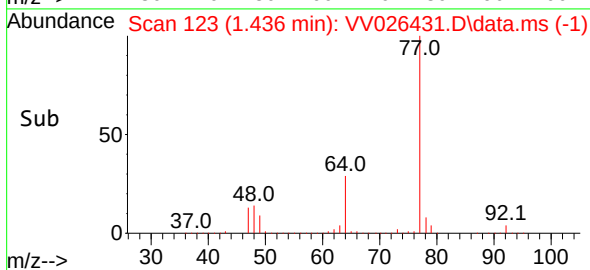
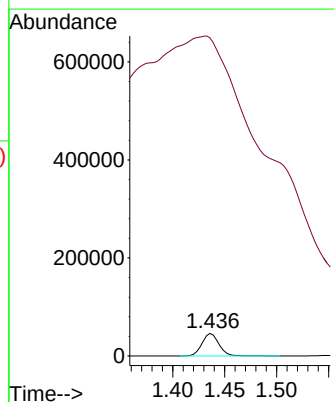
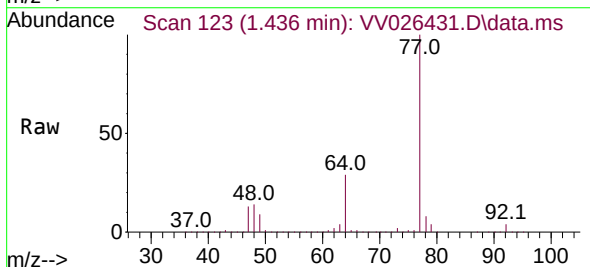
Instrument :
MSVOA_V
ClientSampleId :

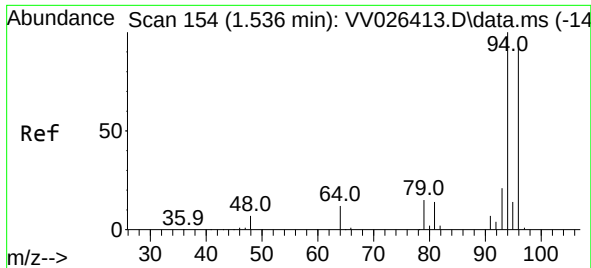
Tgt Ion: 50 Resp: 147339
Ion Ratio Lower Upper
50 100
52 0.7 23.7 44.1#



#5
Vinyl chloride
Concen: 2.218 ug/L
RT: 1.436 min Scan# 123
Delta R.T. 0.112 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Tgt Ion: 62 Resp: 52307
Ion Ratio Lower Upper
62 100
64 1406.2 23.2 43.2#

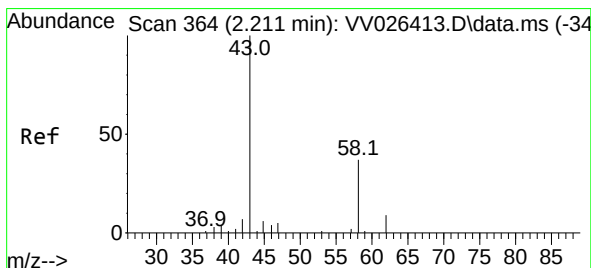
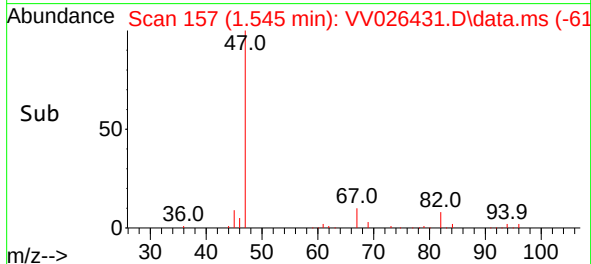
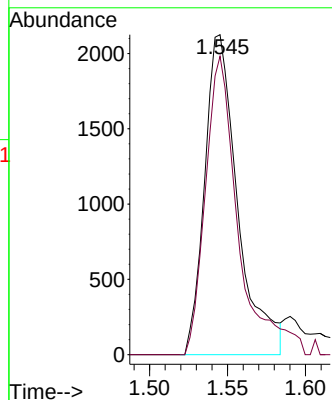
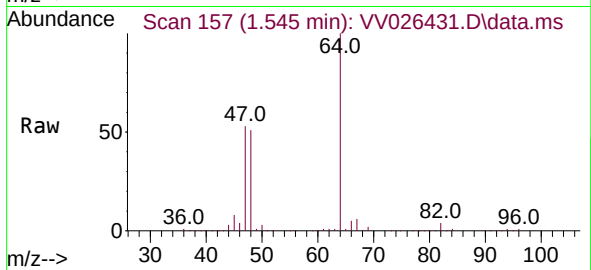




#6
Bromomethane
Concen: 0.239 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

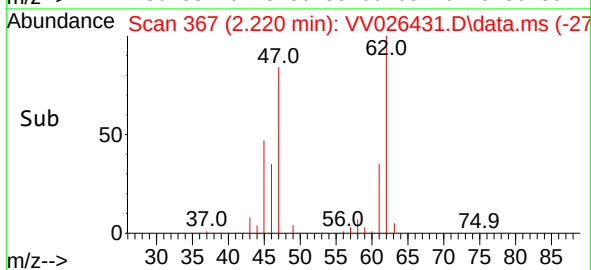
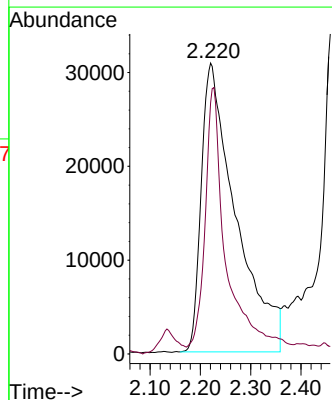
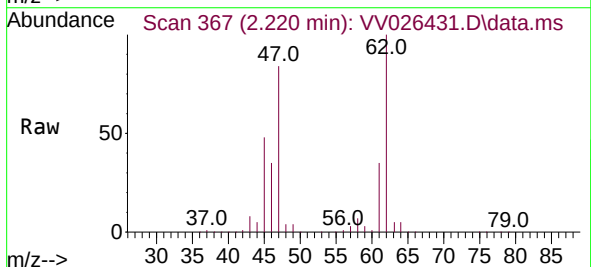
Instrument :
MSVOA_V
ClientSampleId :

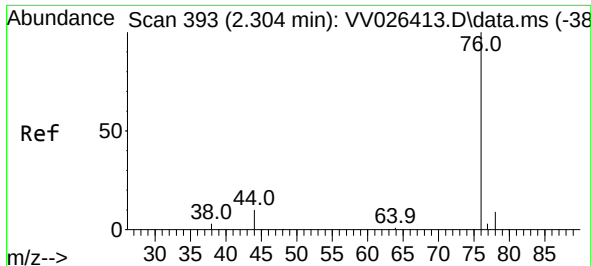
Tgt Ion: 94 Resp: 3144
Ion Ratio Lower Upper
94 100
96 93.3 65.7 121.9



#13
Acetone
Concen: 81.727 ug/L
RT: 2.220 min Scan# 367
Delta R.T. 0.010 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

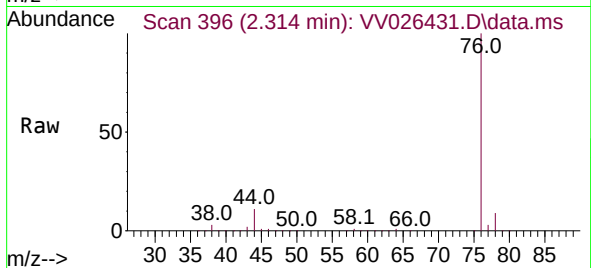
Tgt Ion: 43 Resp: 146652
Ion Ratio Lower Upper
43 100
58 53.5 0.0 60.0



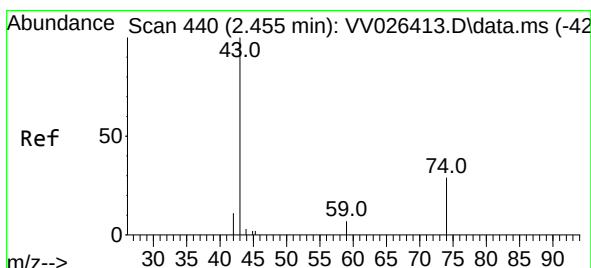
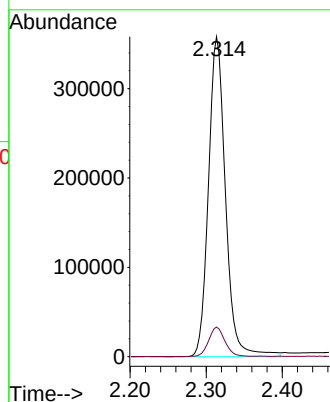
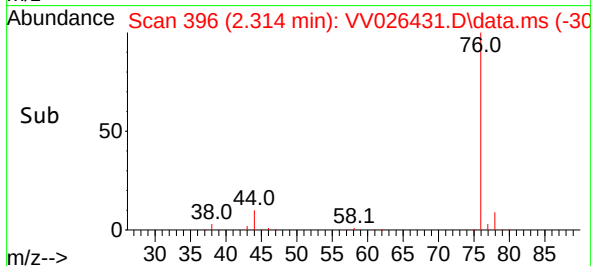


#14
Carbon disulfide
Concen: 13.091 ug/L
RT: 2.314 min Scan# 396
Delta R.T. 0.010 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Instrument :
MSVOA_V
ClientSampleId :

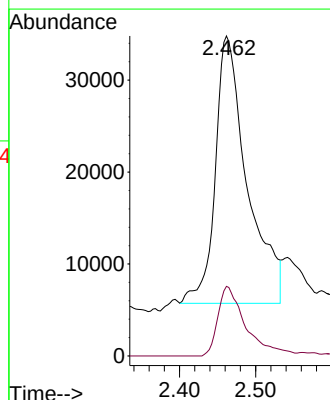
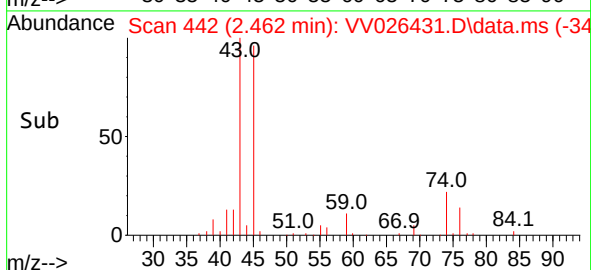
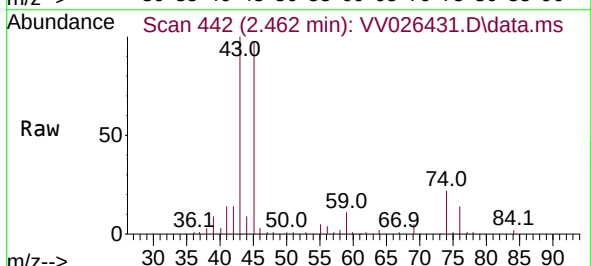


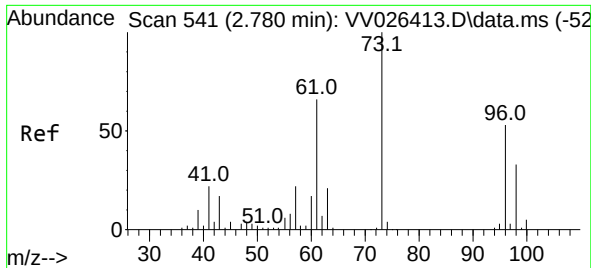
Tgt Ion: 76 Resp: 557105
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5



#15
Methyl Acetate
Concen: 19.690 ug/L
RT: 2.462 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Tgt Ion: 43 Resp: 84777
Ion Ratio Lower Upper
43 100
74 22.9 21.4 32.0

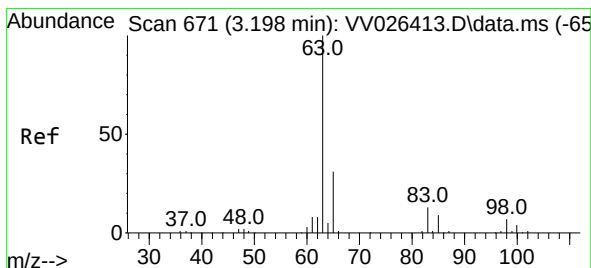
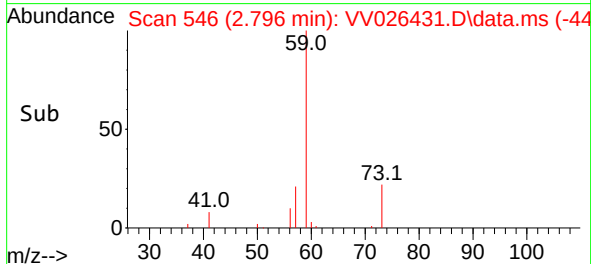
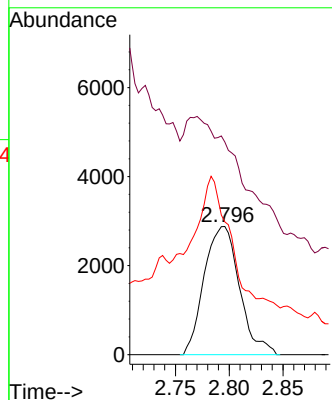
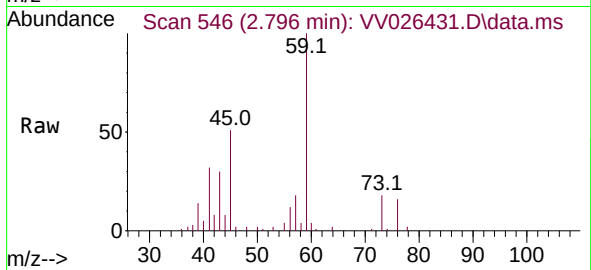




#17
Methyl tert-butyl Ether
Concen: 0.222 ug/L
RT: 2.796 min Scan# 541
Delta R.T. 0.016 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

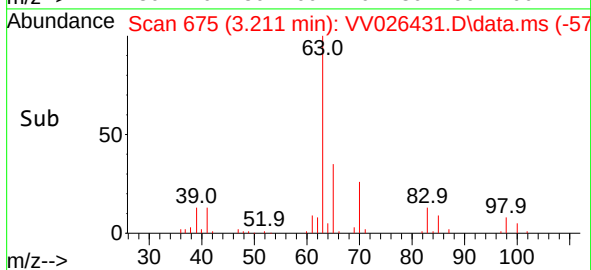
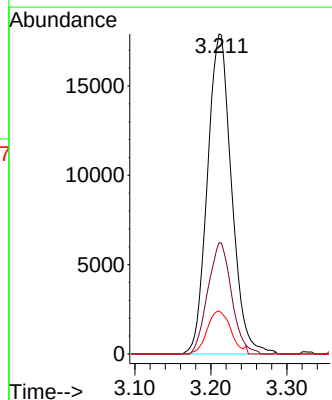
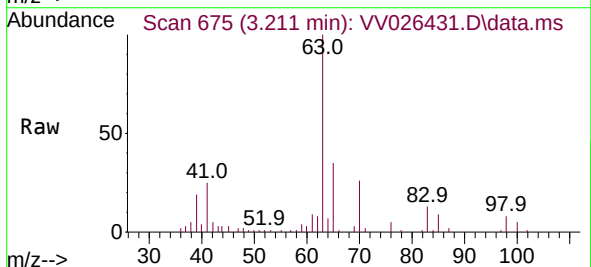
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MSVOA_V
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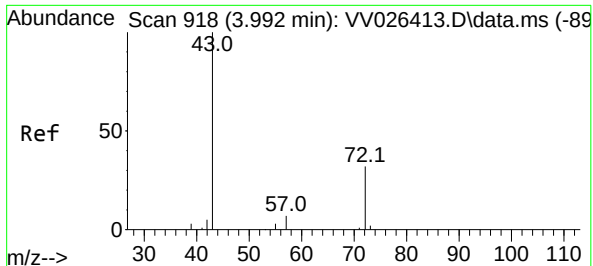
Tgt Ion: 73 Resp: 6588
Ion Ratio Lower Upper
73 100
43 173.8 13.0 19.6#
57 113.5 17.6 26.4#



#19
1,1-Dichloroethane
Concen: 1.236 ug/L
RT: 3.211 min Scan# 675
Delta R.T. 0.013 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Tgt Ion: 63 Resp: 39445
Ion Ratio Lower Upper
63 100
65 34.8 22.3 41.3
83 13.5 8.9 16.5





#21

2-Butanone

Concen: 6.176 ug/L

RT: 4.034 min Scan# 918

Delta R.T. 0.042 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

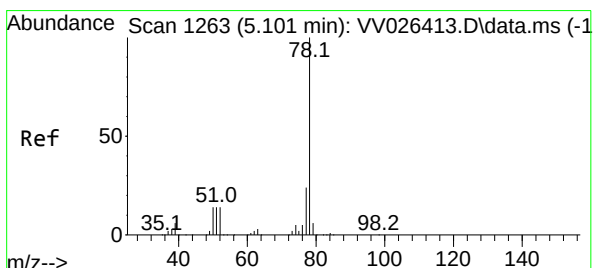
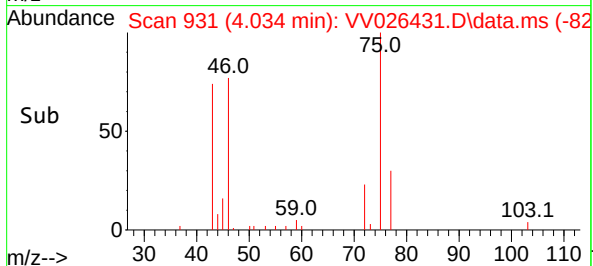
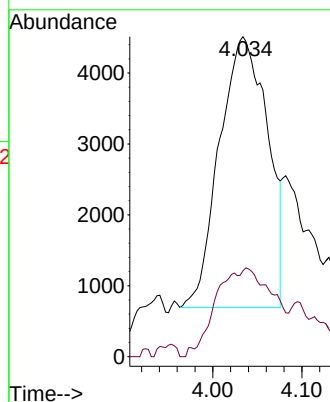
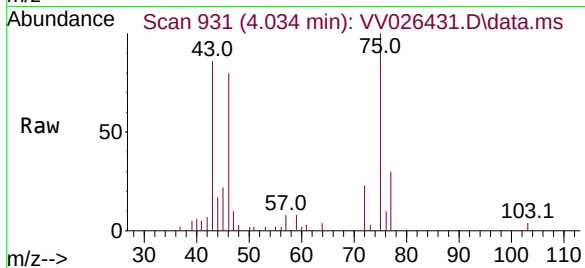
ClientSampleId :

Tgt Ion: 43 Resp: 14339

Ion Ratio Lower Upper

43 100

72 15.9 12.7 38.0



#33

Benzene

Concen: 1.797 ug/L

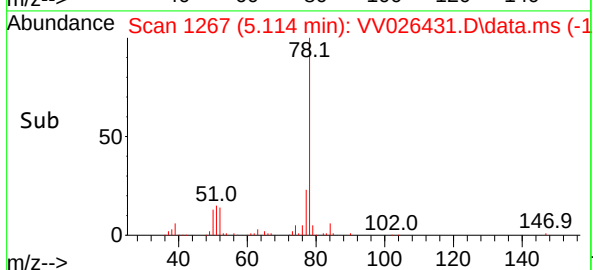
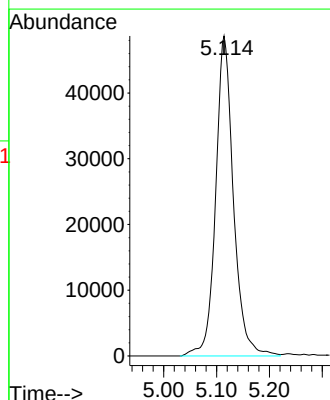
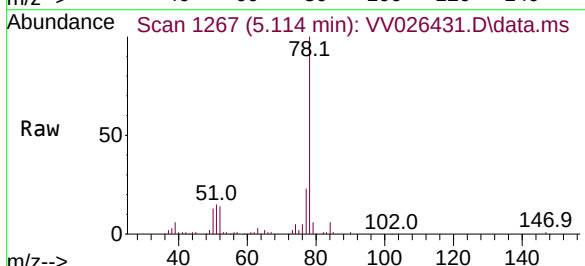
RT: 5.114 min Scan# 1267

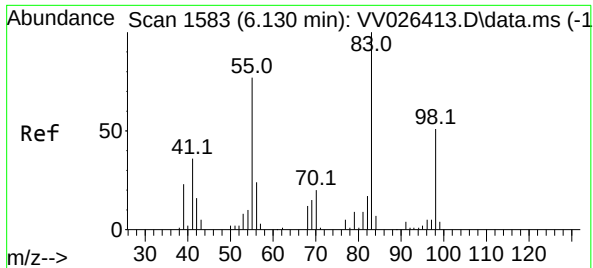
Delta R.T. 0.013 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Tgt Ion: 78 Resp: 113979

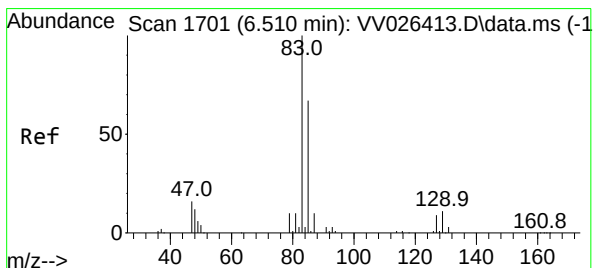
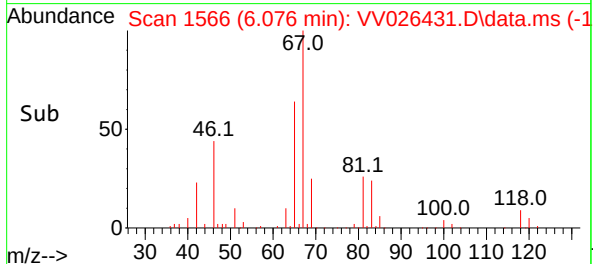
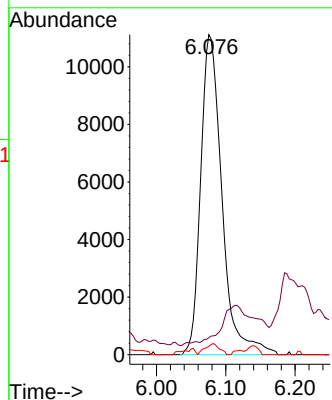
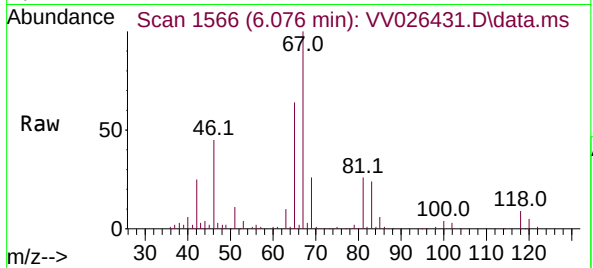




#35
Methylcyclohexane
Concen: 0.989 ug/L
RT: 6.076 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

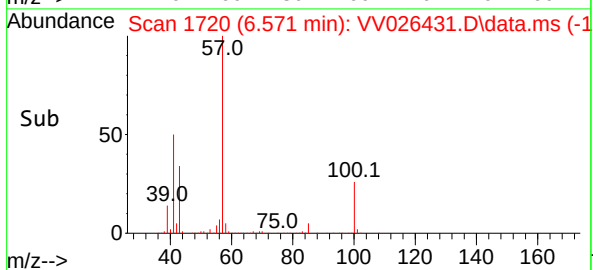
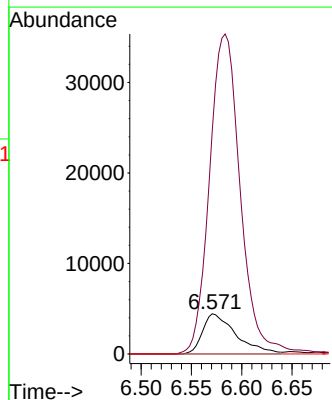
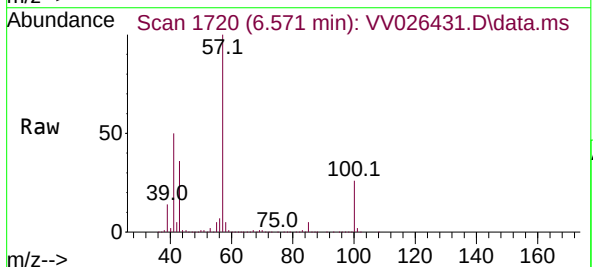
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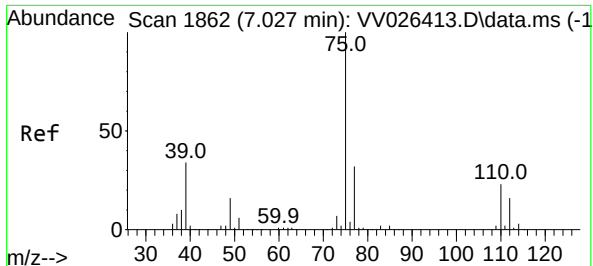
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.3	88.9#
98	2.3	39.9	59.9#



#38
Bromodichloromethane
Concen: 0.509 ug/L
RT: 6.571 min Scan# 1720
Delta R.T. 0.061 min
Lab File: VV026431.D
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Tgt Ion	Ratio	Lower	Upper
83	100		
85	553.2	45.6	84.6#
127	0.0	7.2	10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.136 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.032 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

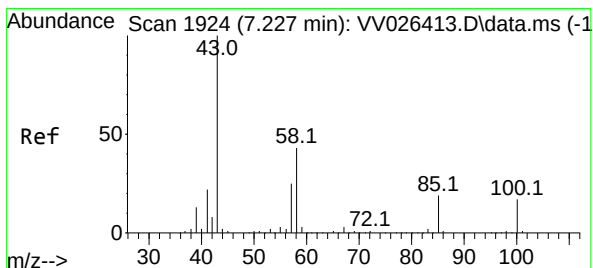
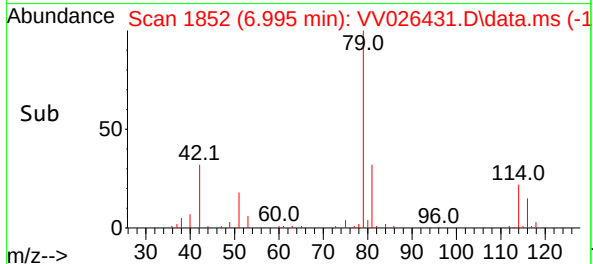
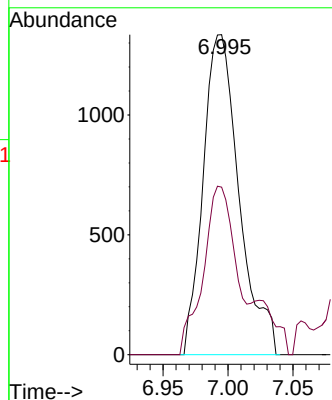
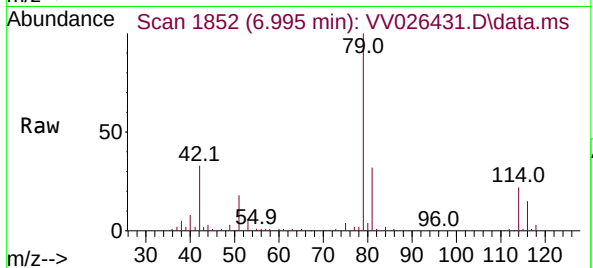
ClientSampleId :

Tgt Ion: 75 Resp: 2570

Ion Ratio Lower Upper

75 100

77 52.4 23.0 42.6#



#40

4-Methyl-2-pentanone

Concen: 37.970 ug/L

RT: 7.233 min Scan# 1926

Delta R.T. 0.006 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

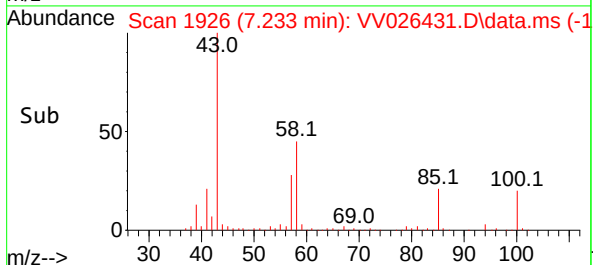
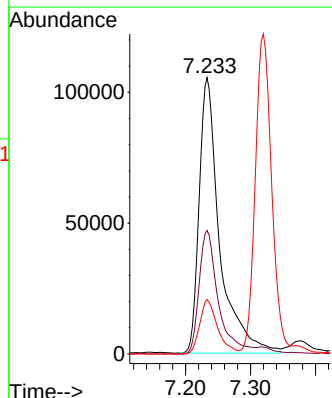
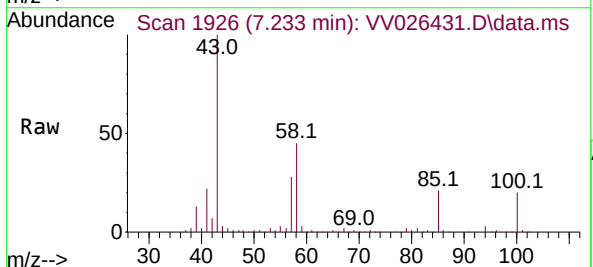
Tgt Ion: 43 Resp: 231574

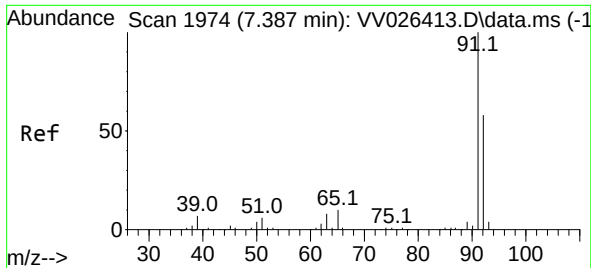
Ion Ratio Lower Upper

43 100

58 42.0 33.3 49.9

100 17.3 13.4 20.2





#42

Toluene

Concen: 1.113 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

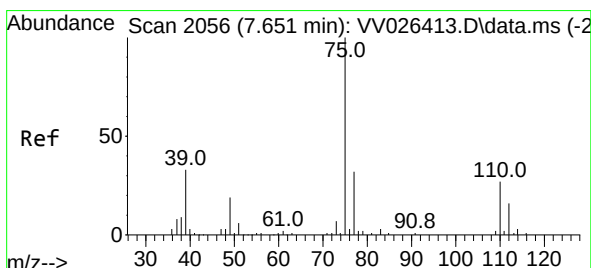
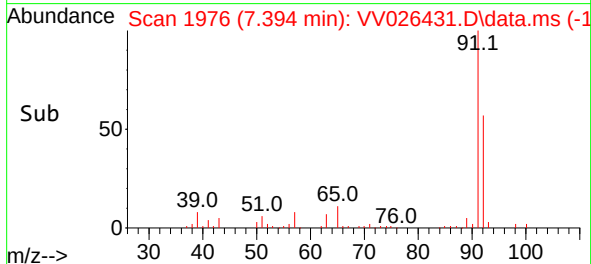
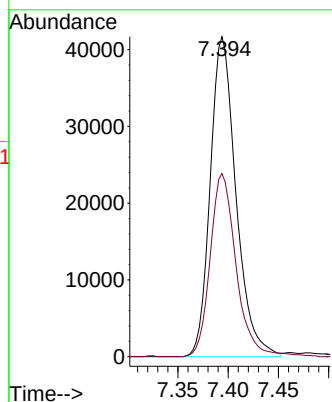
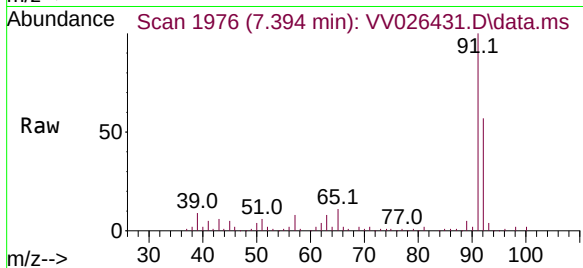
ClientSampleId :

Tgt Ion: 91 Resp: 74225

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.029 min

Lab File: VV026431.D

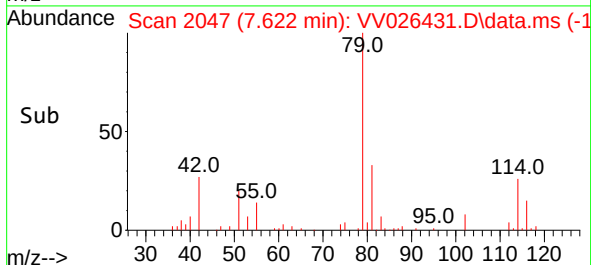
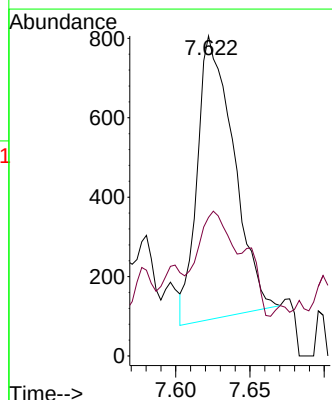
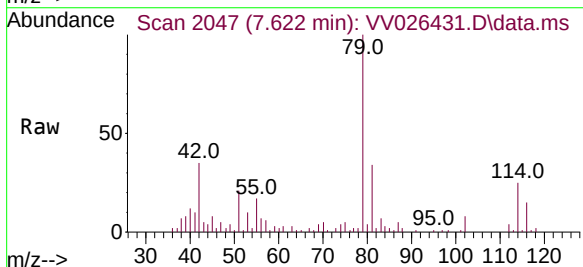
Acq: 18 Jun 2022 18:35

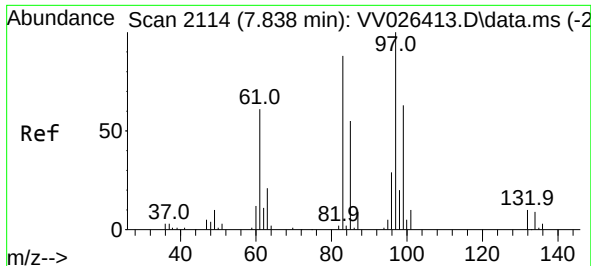
Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

75 100

77 43.3 23.7 43.9





#45

1,1,2-Trichloroethane

Concen: 0.191 ug/L

RT: 7.857 min Scan# 2114

Delta R.T. 0.019 min

Lab File: VV026431.D

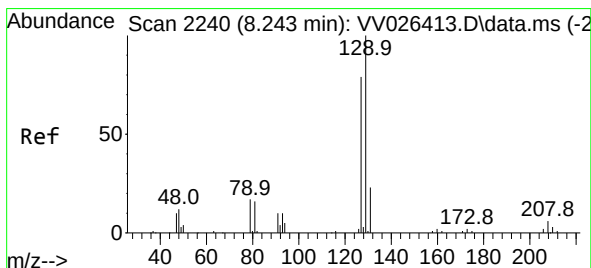
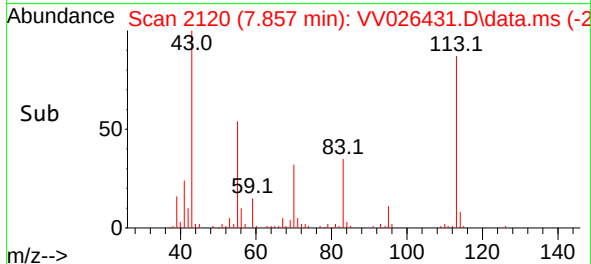
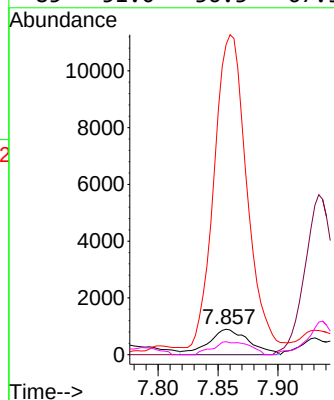
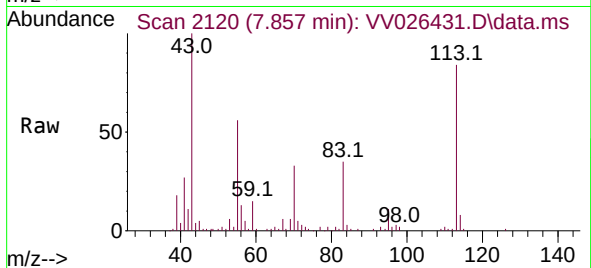
Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	2077
Ion	Ratio	Lower	Upper
97	100		
99	0.0	42.4	78.6#
83	1220.2	56.1	104.1#
85	51.0	36.3	67.5



#49

Dibromochloromethane

Concen: 0.036 ug/L

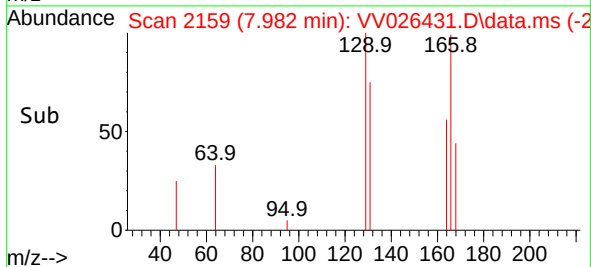
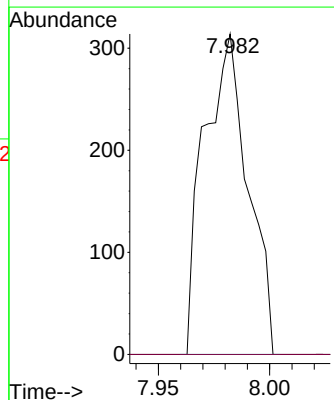
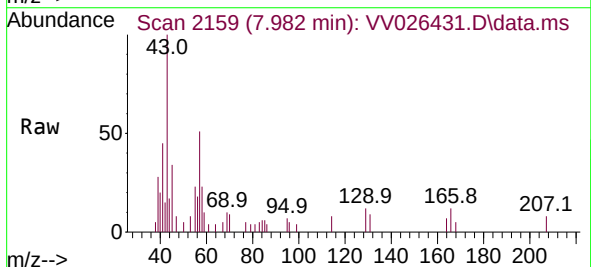
RT: 7.982 min Scan# 2159

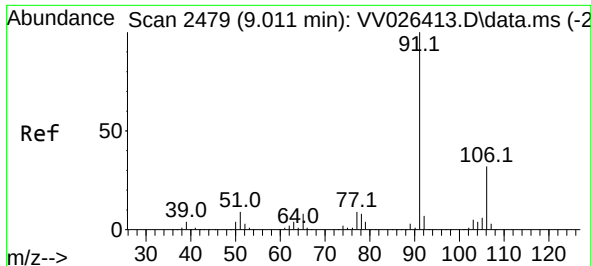
Delta R.T. -0.261 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Tgt Ion:	129	Resp:	430
Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.4	104.7#





#52

Ethylbenzene

Concen: 0.230 ug/L

RT: 9.018 min Scan# 2479

Delta R.T. 0.006 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

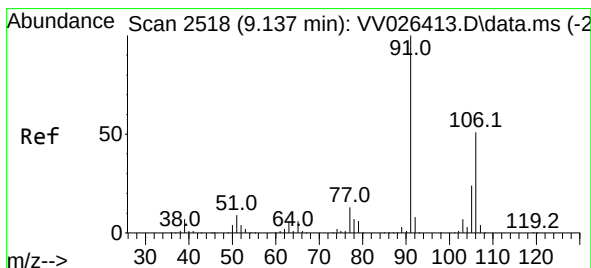
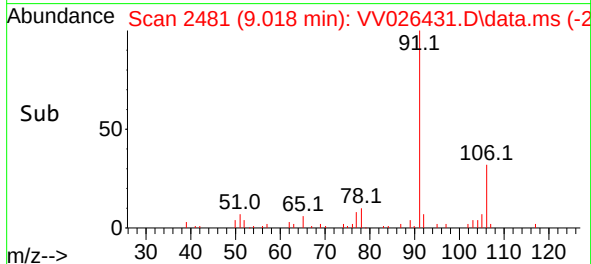
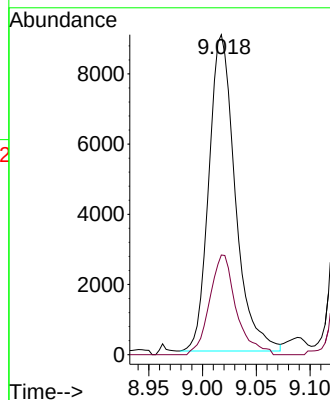
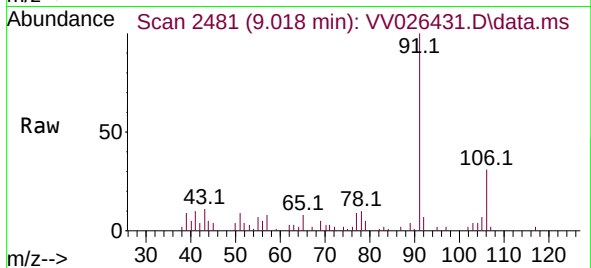
ClientSampleId :

Tgt Ion: 91 Resp: 15372

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



#53

m,p-Xylene

Concen: 0.767 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV026431.D

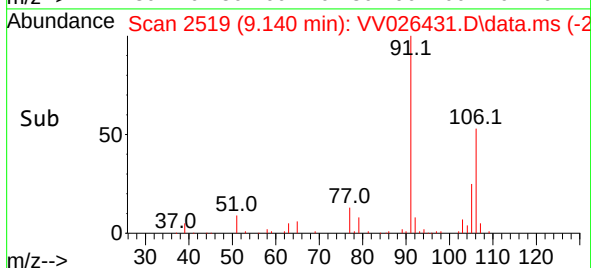
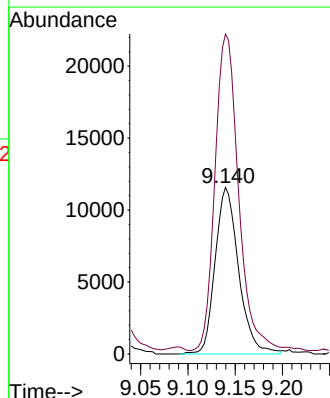
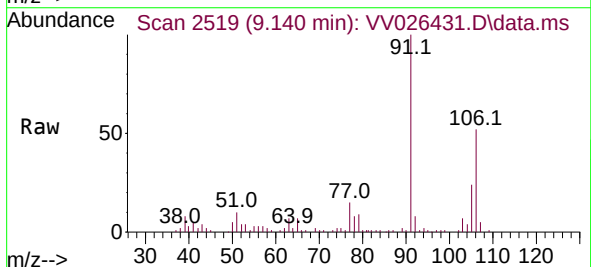
Acq: 18 Jun 2022 18:35

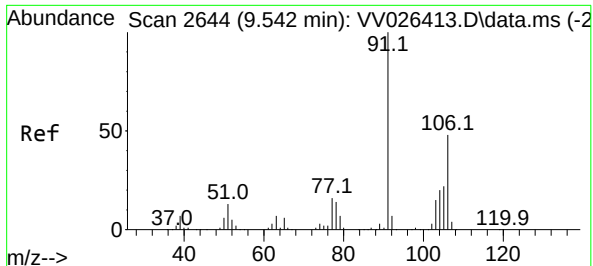
Tgt Ion: 106 Resp: 20002

Ion Ratio Lower Upper

106 100

91 192.2 141.3 262.3

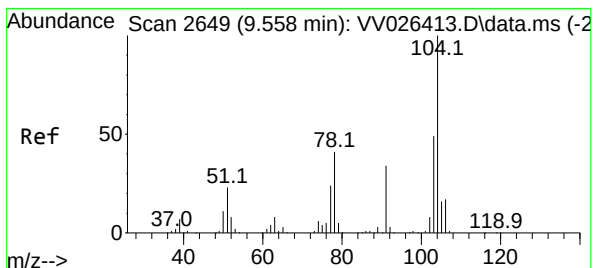
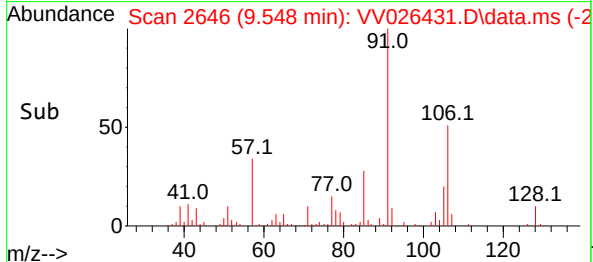
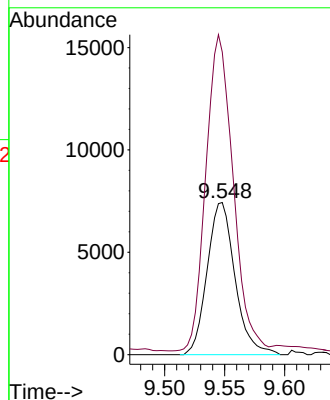
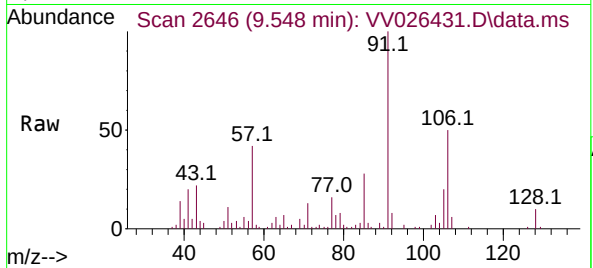




#54
o-Xylene
Concen: 0.476 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

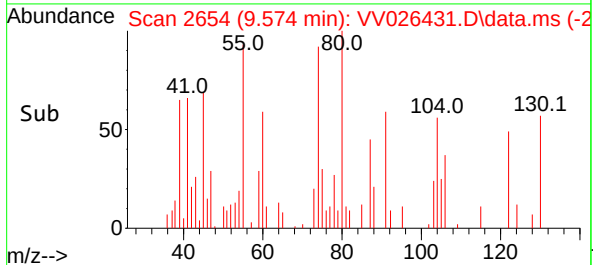
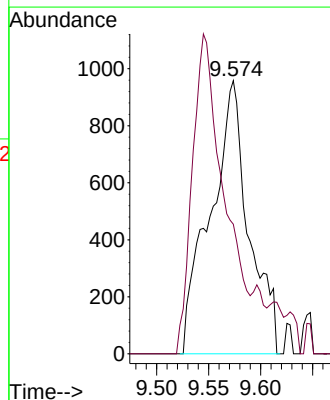
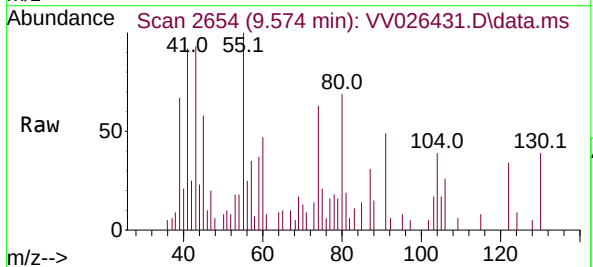
Instrument :
MSVOA_V
ClientSampleId :

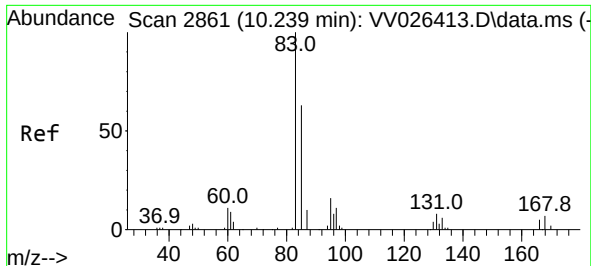
Tgt Ion:106 Resp: 12012
Ion Ratio Lower Upper
106 100
91 198.9 143.3 266.1



#55
Styrene
Concen: 0.058 ug/L
RT: 9.574 min Scan# 2654
Delta R.T. 0.016 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Tgt Ion:104 Resp: 2464
Ion Ratio Lower Upper
104 100
78 47.5 29.5 54.7





#57

1,1,2-Tetrachloroethane

Concen: 36.866 ug/L

RT: 10.336 min Scan# 21

Delta R.T. 0.096 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

Instrument :

MSVOA_V

ClientSampleId :

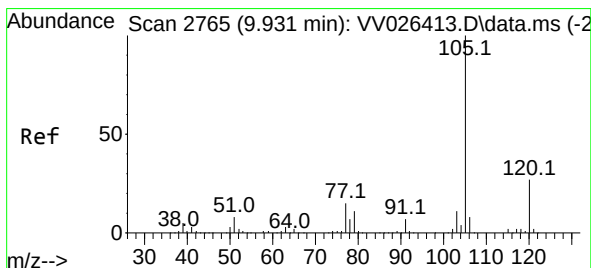
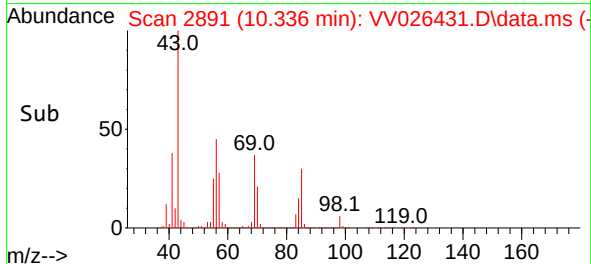
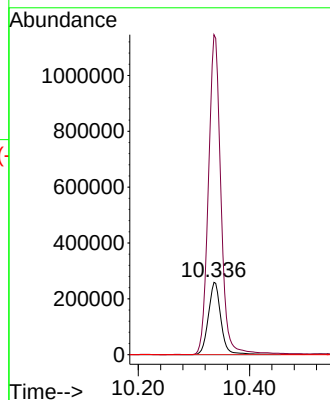
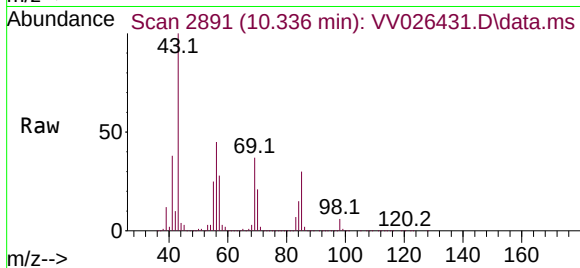
Tgt Ion: 83 Resp: 407134

Ion Ratio Lower Upper

83 100

85 442.4 47.1 87.5#

131 0.0 7.7 11.5#



#60

Isopropylbenzene

Concen: 0.163 ug/L

RT: 10.738 min Scan# 3016

Delta R.T. 0.807 min

Lab File: VV026431.D

Acq: 18 Jun 2022 18:35

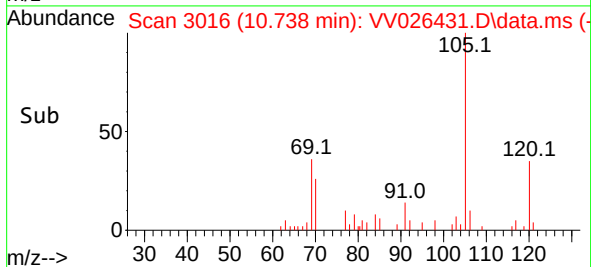
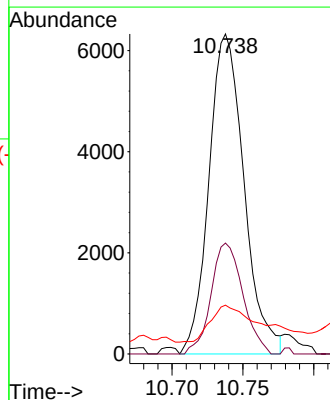
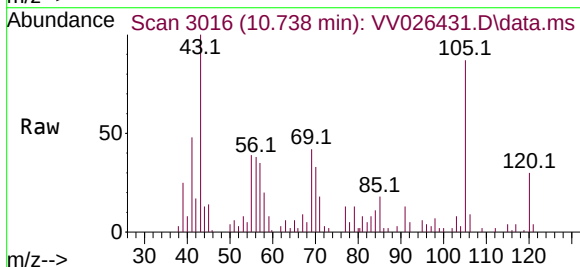
Tgt Ion:105 Resp: 10893

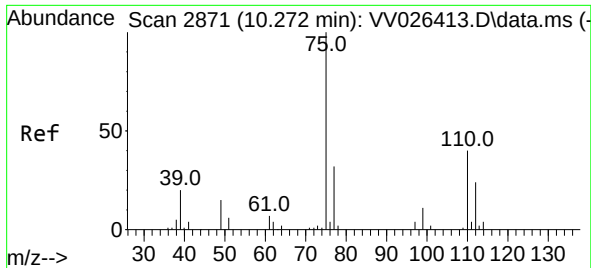
Ion Ratio Lower Upper

105 100

120 31.4 21.5 32.3

77 16.8 12.2 18.4

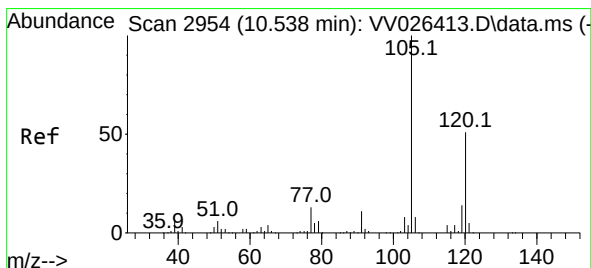
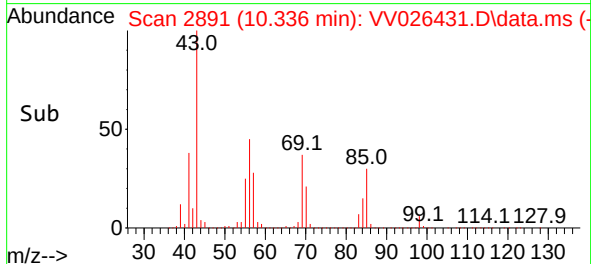
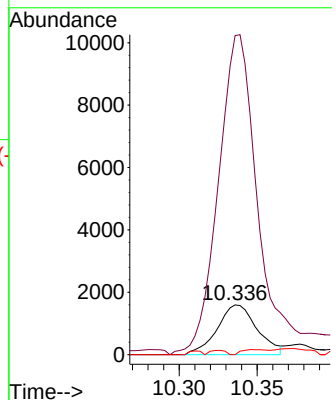
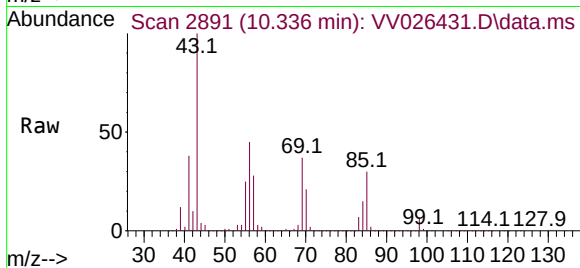




#61
 1,2,3-Trichloropropane
 Concen: 0.351 ug/L
 RT: 10.336 min Scan# 2891
 Delta R.T. 0.064 min
 Lab File: VV026431.D
 Acq: 18 Jun 2022 18:35

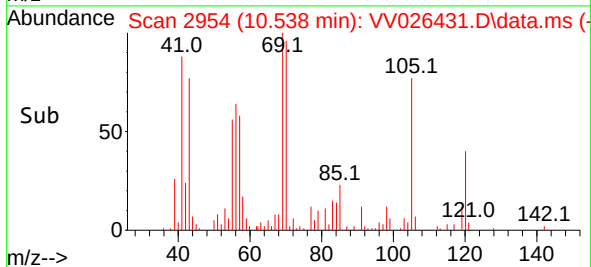
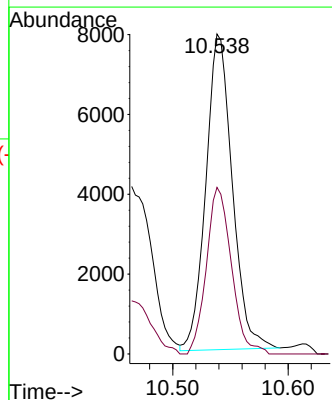
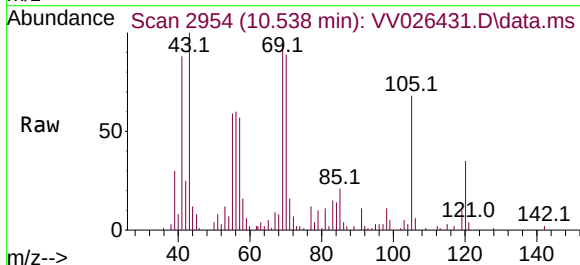
Instrument :
 MSVOA_V
 ClientSampleId :

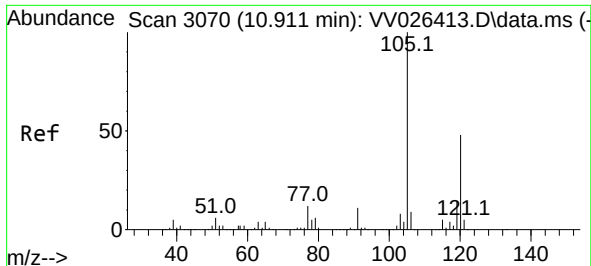
Tgt Ion: 75 Resp: 2844
 Ion Ratio Lower Upper
 75 100
 77 676.3 26.9 40.3#
 110 6.9 30.7 46.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV026431.D
 Acq: 18 Jun 2022 18:35

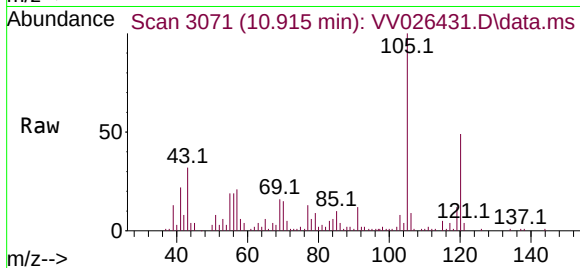
Tgt Ion: 105 Resp: 12567
 Ion Ratio Lower Upper
 105 100
 120 49.9 39.9 59.9



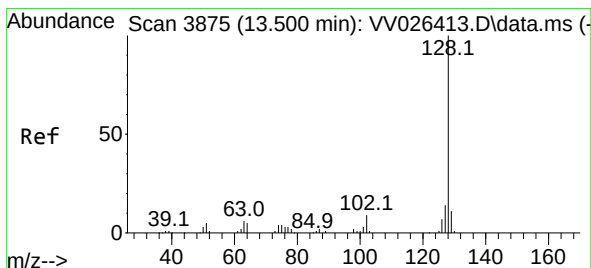
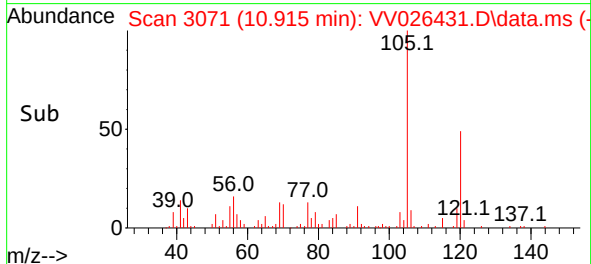
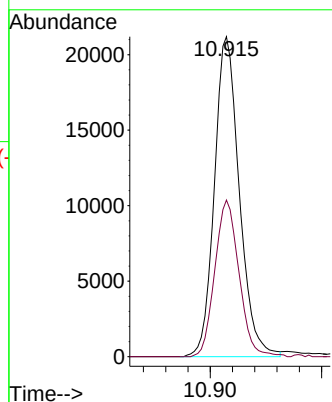


#63
1,2,4-Trimethylbenzene
Concen: 0.628 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:105 Resp: 32880
Ion Ratio Lower Upper
105 100
120 47.5 36.9 55.3



#71
Naphthalene
Concen: 4.627 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV026431.D
Acq: 18 Jun 2022 18:35

Tgt Ion:128 Resp: 112206
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.6 10.6 16.0

