

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011822\
 Data File : VW024400.D
 Acq On : 18 Jan 2022 17:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Jan 19 01:07:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 19 01:03:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	287350	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	270081	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	140708	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	99543	48.134	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.260%
7) Chloroethane-d5	1.571	69	74311	47.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.111	63	184368	47.701	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.400%
21) 2-Butanone-d5	3.889	46	137296	119.161	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.160%
24) Chloroform-d	4.349	84	202733	53.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.280%
26) 1,2-Dichloroethane-d4	5.031	65	129062	51.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.000%
32) Benzene-d6	5.050	84	390575	55.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.840%
36) 1,2-Dichloropropane-d6	6.069	67	113557	57.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.980%
41) Toluene-d8	7.313	98	377008	55.248	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.500%
43) trans-1,3-Dichloroprop...	7.619	79	58678	51.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.180%
47) 2-Hexanone-d5	8.088	63	100737	117.388	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.390%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	155258	55.003	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	155761	55.536	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	91607	39.516	ug/L	100
3) Chloromethane	1.243	50	94273	48.403	ug/L	96
5) Vinyl chloride	1.314	62	99017	48.048	ug/L	96
6) Bromomethane	1.526	94	65064	55.405	ug/L	99
8) Chloroethane	1.587	64	60094	47.243	ug/L	99
9) Trichlorofluoromethane	1.754	101	164212	44.330	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	87659	48.421	ug/L	97
12) 1,1-Dichloroethene	2.121	96	84236	48.127	ug/L	89
13) Acetone	2.182	43	96263	84.620	ug/L	99
14) Carbon disulfide	2.298	76	202077	39.763	ug/L	100
15) Methyl Acetate	2.433	43	95712	57.847	ug/L	96
16) Methylene chloride	2.510	84	103665	54.387	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	90390	50.116	ug/L	96
18) Methyl tert-butyl Ether	2.767	73	330364	59.432	ug/L	99
19) 1,1-Dichloroethane	3.191	63	174748	58.414	ug/L	98
20) cis-1,2-Dichloroethene	3.912	96	109332	56.759	ug/L	96
22) 2-Butanone	3.973	43	134486	111.292	ug/L	91
23) Bromochloromethane	4.249	128	60740	54.725	ug/L	94
25) Chloroform	4.375	83	192927	55.159	ug/L	99

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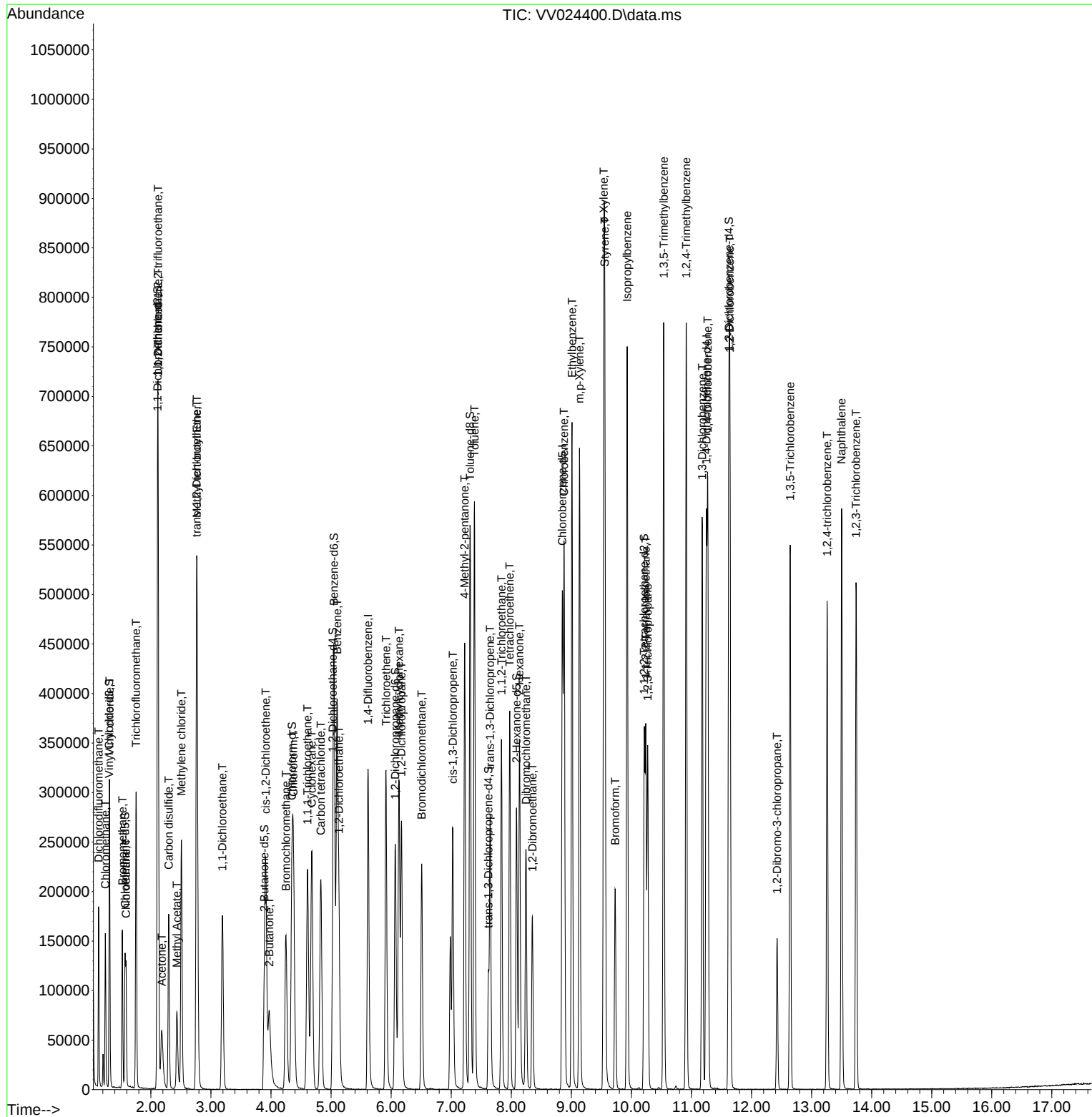
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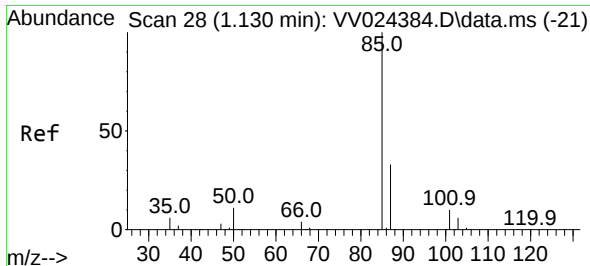
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	148742	52.284	ug/L	98
29) Cyclohexane	4.677	56	131711	54.555	ug/L	96
30) 1,1,1-Trichloroethane	4.609	97	178625	53.753	ug/L	99
31) Carbon tetrachloride	4.831	117	158613	51.449	ug/L	99
33) Benzene	5.101	78	387185	56.380	ug/L	100
34) Trichloroethene	5.915	95	106827	56.409	ug/L	97
35) Methylcyclohexane	6.130	83	134111	47.750	ug/L	98
37) 1,2-Dichloropropane	6.172	63	99414	61.546	ug/L	98
38) Bromodichloromethane	6.510	83	144404	56.970	ug/L	100
39) cis-1,3-Dichloropropene	7.027	75	152456	56.147	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	280951	133.385	ug/L	98
42) Toluene	7.387	91	430791	55.882	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	154014	55.916	ug/L	97
45) 1,1,2-Trichloroethane	7.838	97	105386	58.198	ug/L	98
46) Tetrachloroethene	7.976	164	85393	49.541	ug/L	98
48) 2-Hexanone	8.137	43	212115	125.380	ug/L	99
49) Dibromochloromethane	8.246	129	125072	55.102	ug/L	98
50) 1,2-Dibromoethane	8.352	107	112957	58.076	ug/L	99
51) Chlorobenzene	8.879	112	290058	55.863	ug/L	99
52) Ethylbenzene	9.011	91	463088	56.230	ug/L	99
53) m,p-Xylene	9.137	106	181173	54.883	ug/L	100
54) o-Xylene	9.542	106	179398	56.930	ug/L	99
55) Styrene	9.558	104	295705	54.036	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	158578	59.973	ug/L	98
59) Bromoform	9.731	173	94440	58.861	ug/L	99
60) Isopropylbenzene	9.931	105	482008	61.906	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	129177	62.521	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	406137	60.640	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	413768	61.882	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	236721	58.965	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	237273	57.310	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	241683	58.412	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	34091	57.289	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	170827	55.320	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	149486	56.604	ug/L	99
71) Naphthalene	13.500	128	454650	59.504	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	153815	56.354	ug/L	100

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

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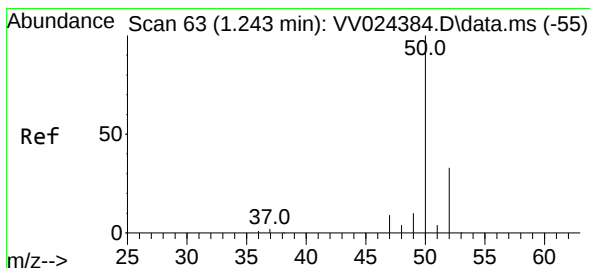
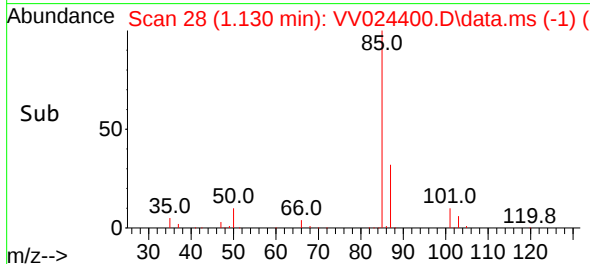
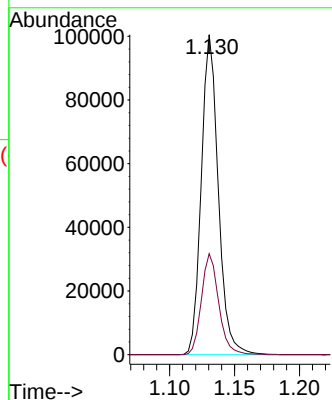
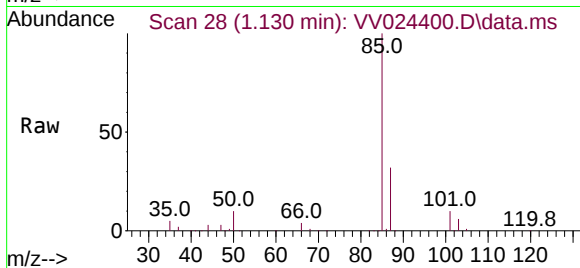




#2
 Dichlorodifluoromethane
 Concen: 39.516 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

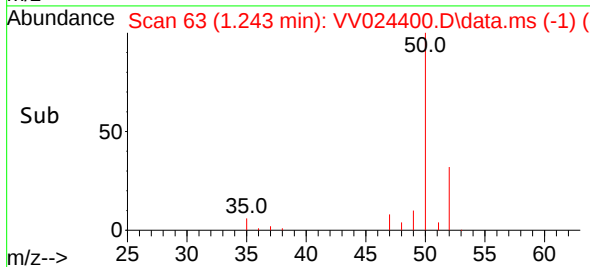
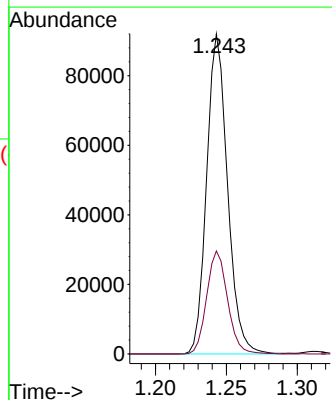
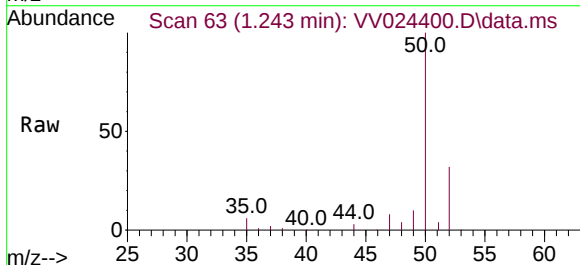
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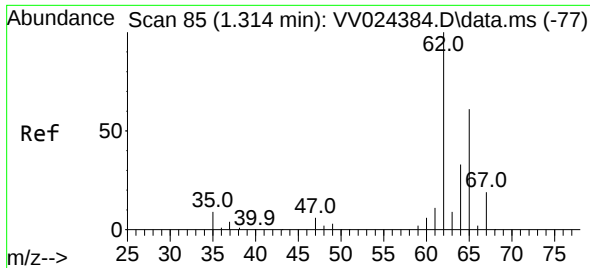
Tgt Ion: 85 Resp: 91607
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.8



#3
 Chloromethane
 Concen: 48.403 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

Tgt Ion: 50 Resp: 94273
 Ion Ratio Lower Upper
 50 100
 52 32.2 24.1 44.7

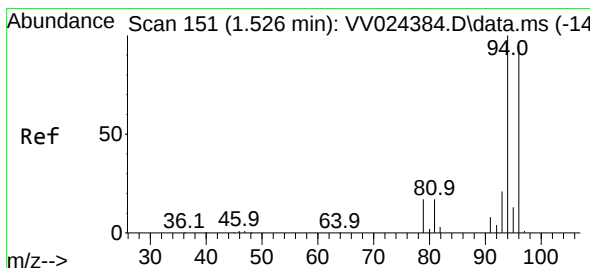
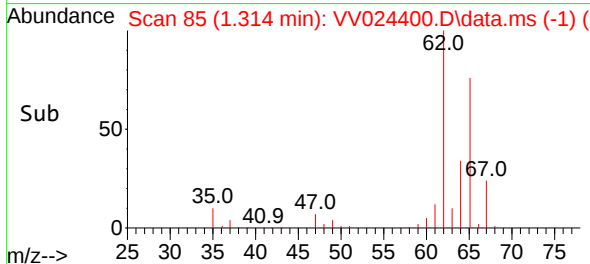
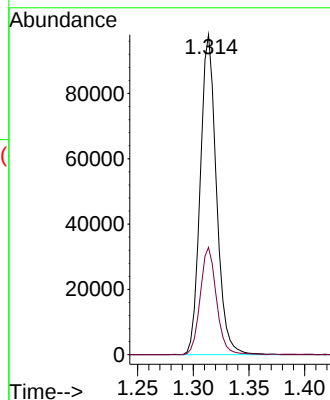
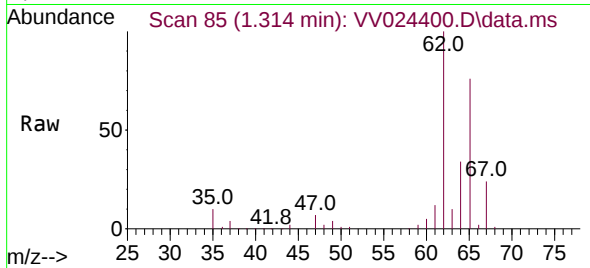




#5
 Vinyl chloride
 Concen: 48.048 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

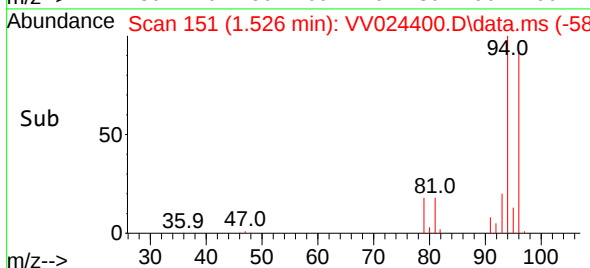
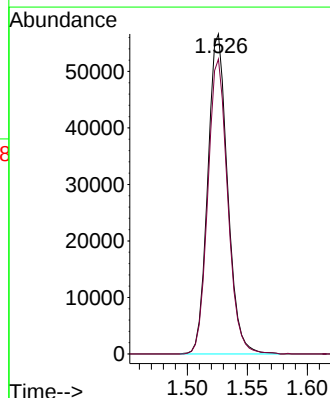
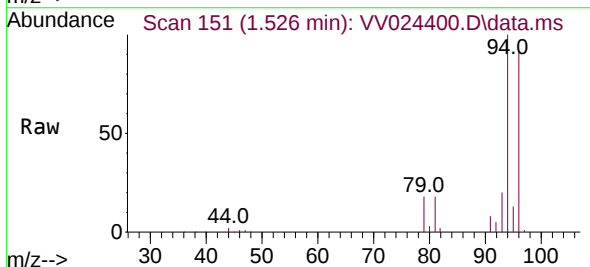
Instrument :
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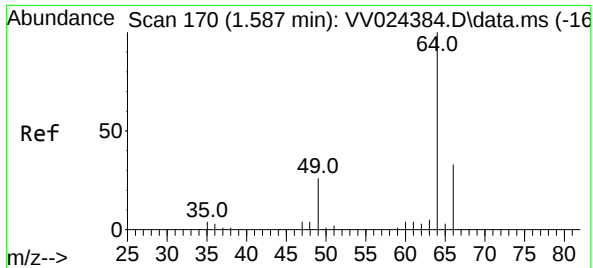
Tgt Ion: 62 Resp: 99017
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.0 46.4



#6
 Bromomethane
 Concen: 55.405 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

Tgt Ion: 94 Resp: 65064
 Ion Ratio Lower Upper
 94 100
 96 92.1 65.0 120.6

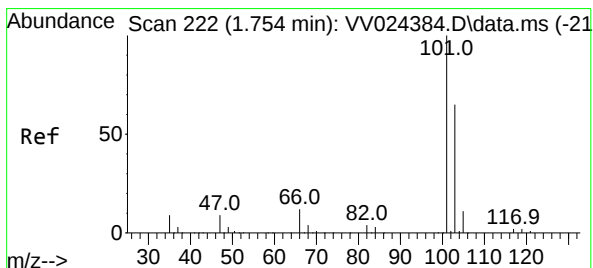
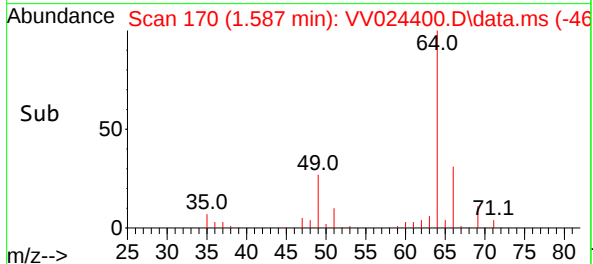
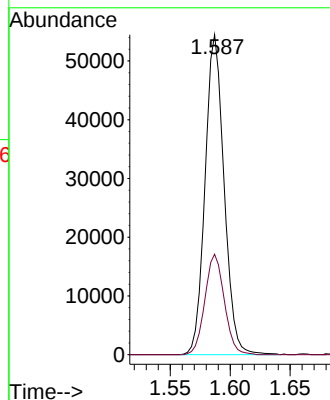
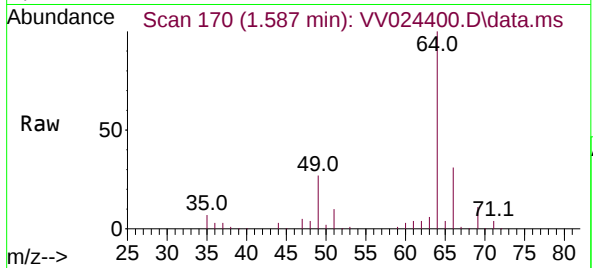




#8
Chloroethane
Concen: 47.243 ug/L
RT: 1.587 min Scan# 170
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

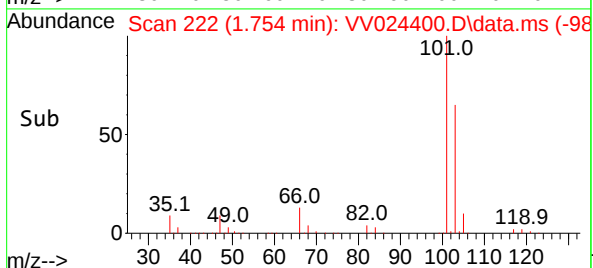
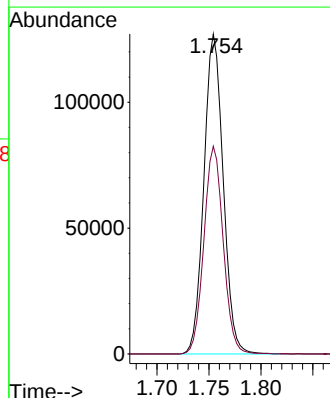
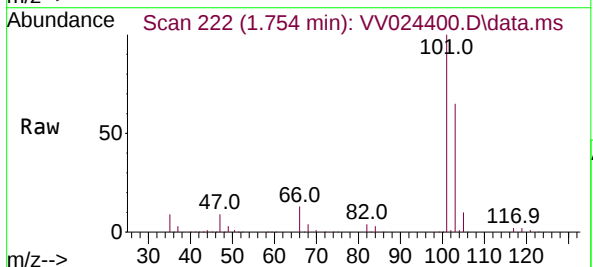
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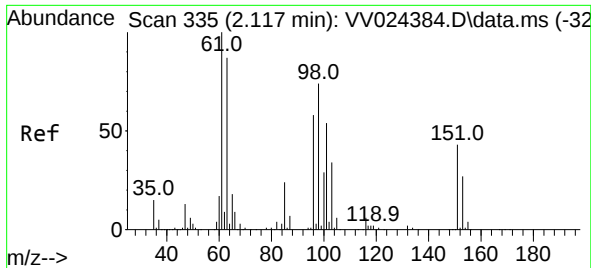
Tgt Ion: 64 Resp: 60094
Ion Ratio Lower Upper
64 100
66 31.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 44.330 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion:101 Resp: 164212
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

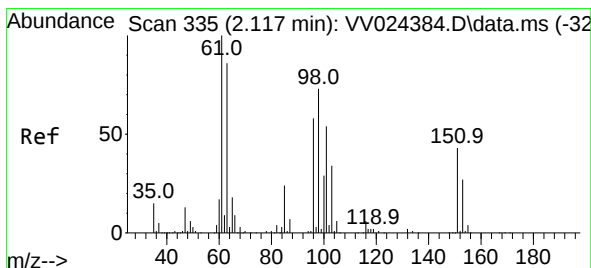
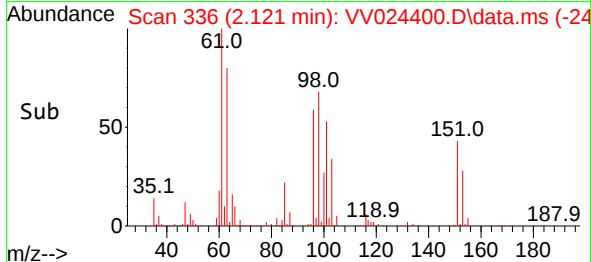
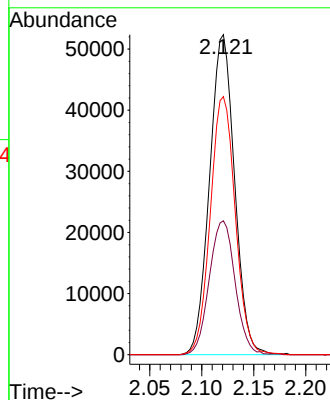
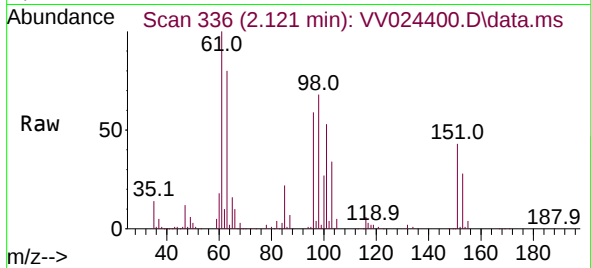




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.421 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

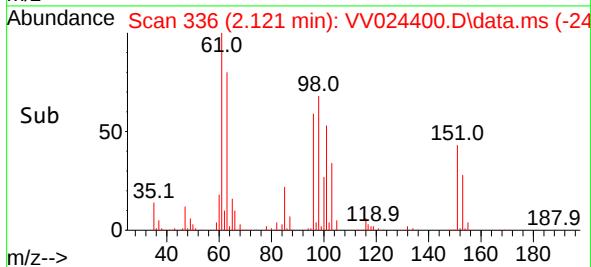
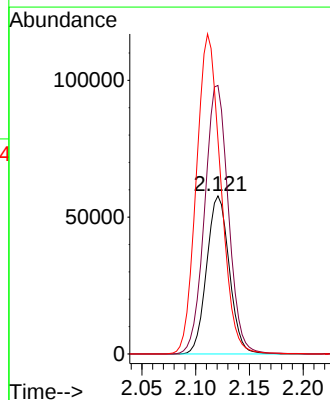
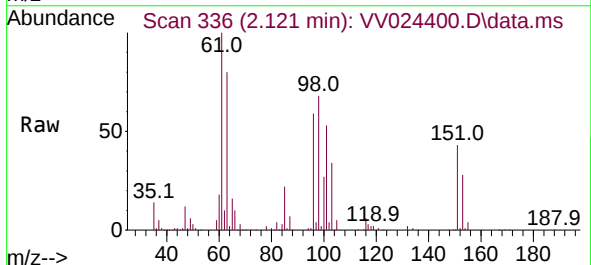
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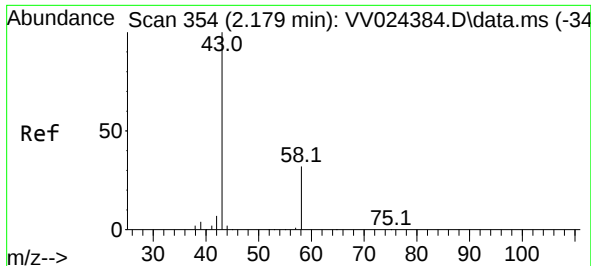
Tgt Ion:101 Resp: 87659
Ion Ratio Lower Upper
101 100
85 43.1 35.3 52.9
151 80.7 67.1 100.7



#12
1,1-Dichloroethene
Concen: 48.127 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 96 Resp: 84236
Ion Ratio Lower Upper
96 100
61 169.8 111.9 207.9
63 135.6 82.7 153.5





#13

Acetone

Concen: 84.620 ug/L

RT: 2.182 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

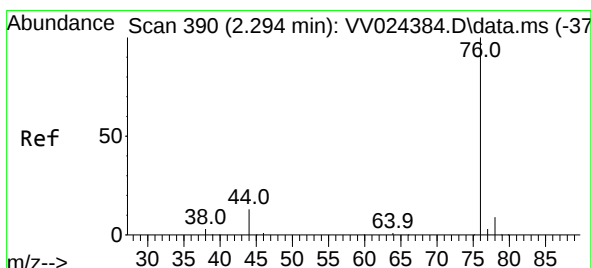
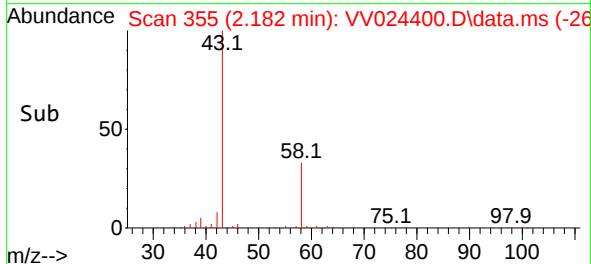
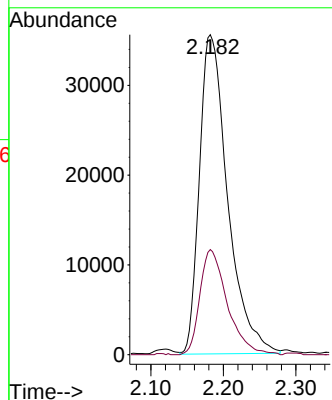
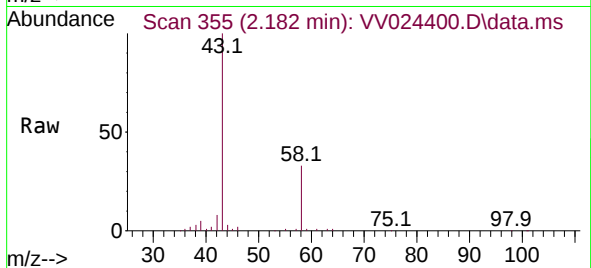
VSTD050393

Tgt Ion: 43 Resp: 96263

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.0



#14

Carbon disulfide

Concen: 39.763 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV024400.D

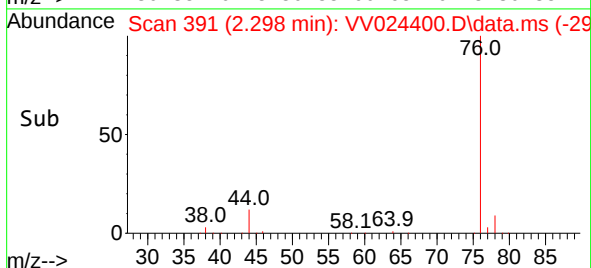
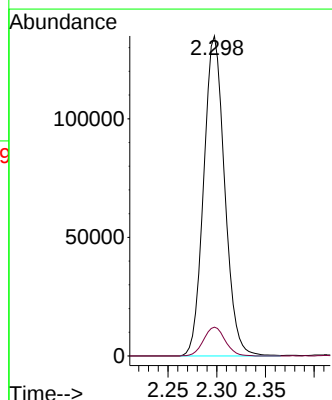
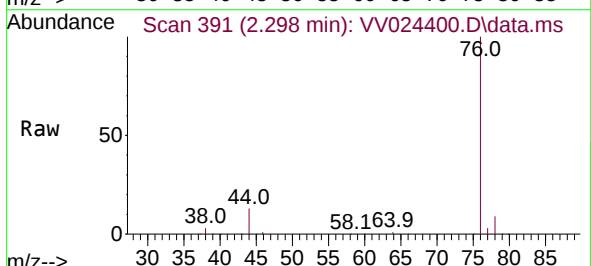
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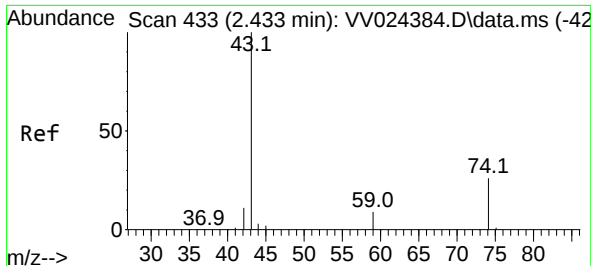
Tgt Ion: 76 Resp: 202077

Ion Ratio Lower Upper

76 100

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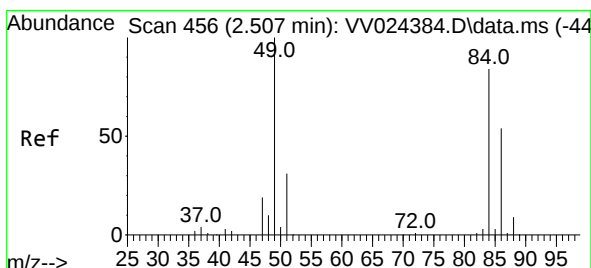
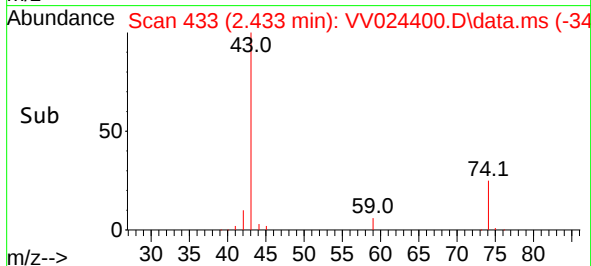
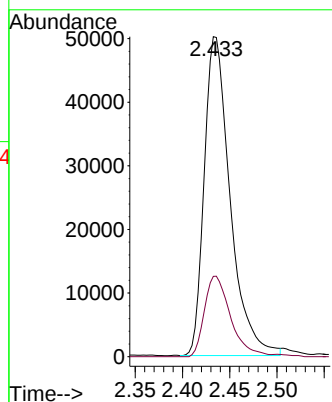
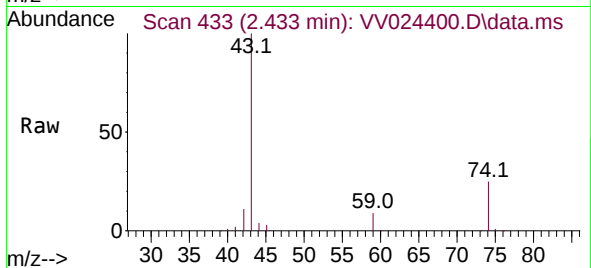




#15
Methyl Acetate
Concen: 57.847 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

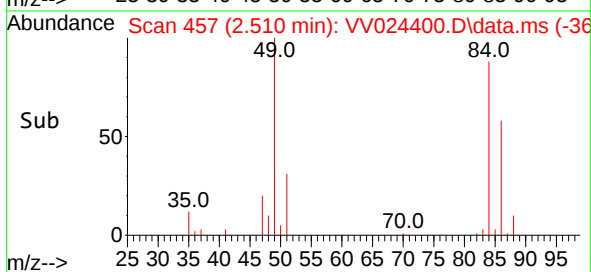
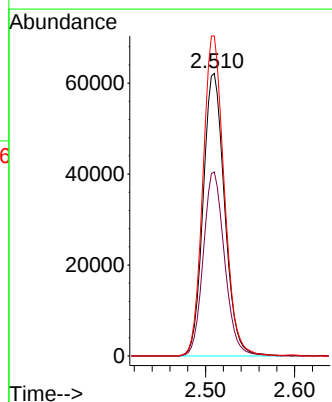
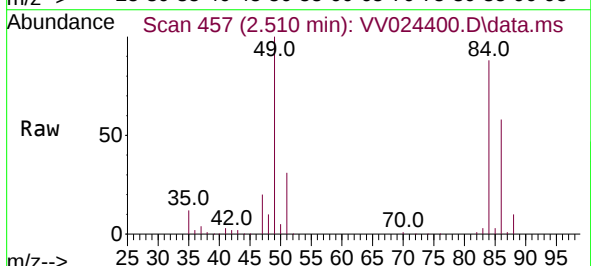
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

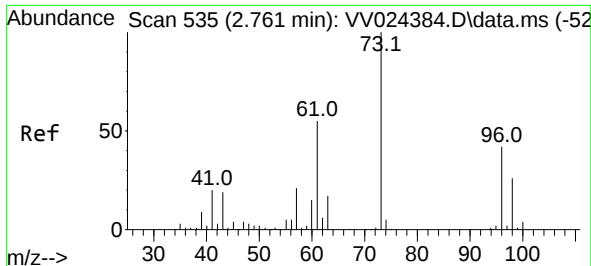
Tgt Ion: 43 Resp: 95712
Ion Ratio Lower Upper
43 100
74 25.4 21.8 32.8



#16
Methylene chloride
Concen: 54.387 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 84 Resp: 103665
Ion Ratio Lower Upper
84 100
86 65.1 46.8 86.8
49 113.2 78.3 145.3

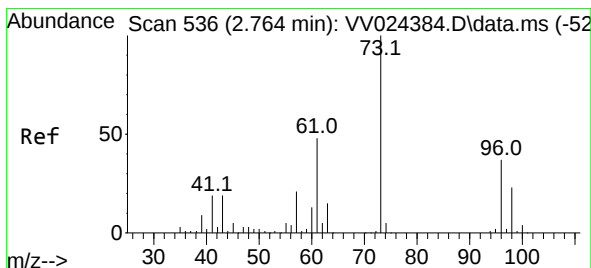
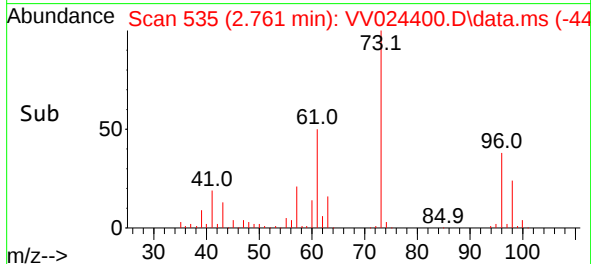
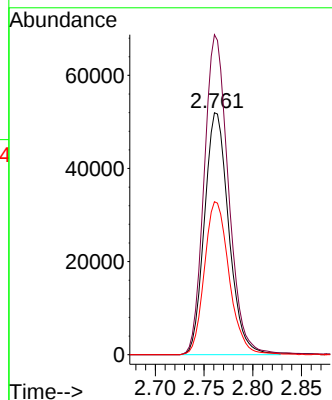
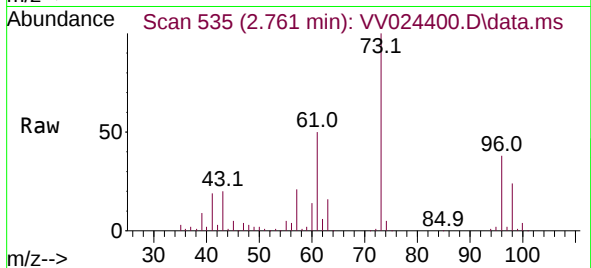




#17
trans-1,2-Dichloroethene
Concen: 50.116 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

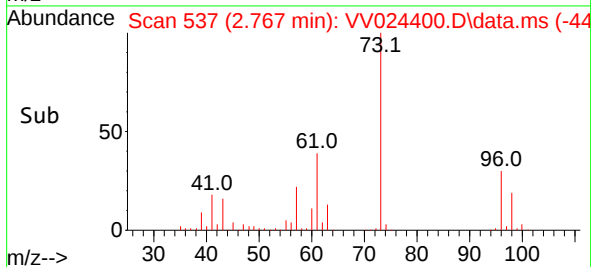
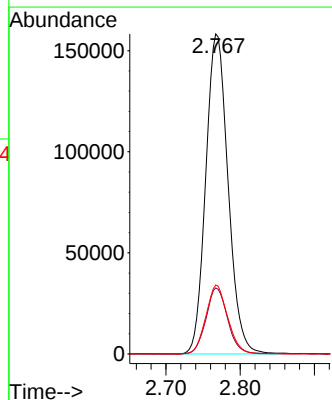
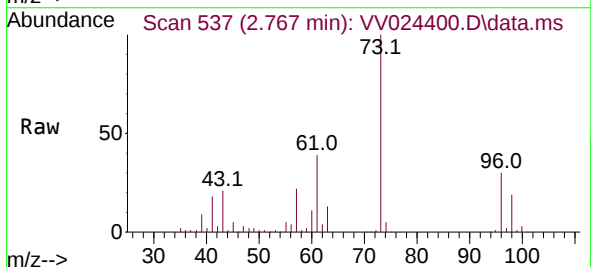
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

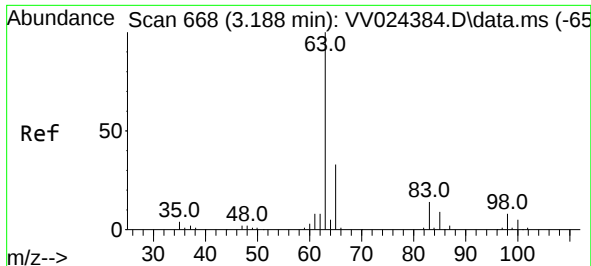
Tgt Ion: 96 Resp: 90390
Ion Ratio Lower Upper
96 100
61 132.3 88.1 163.7
98 63.2 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 59.432 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 73 Resp: 330364
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.2
57 21.1 15.9 23.9





#19

1,1-Dichloroethane

Concen: 58.414 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

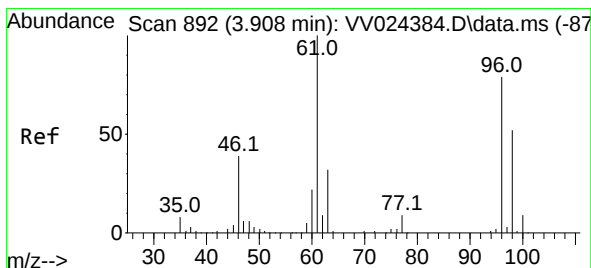
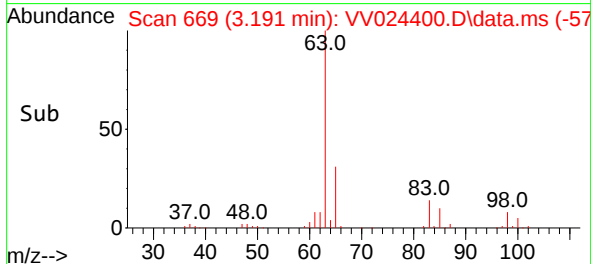
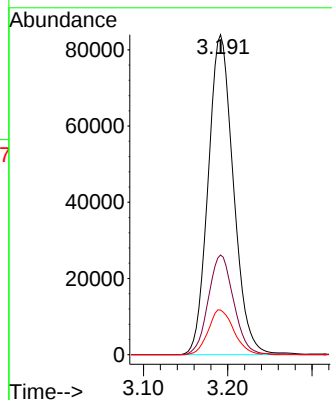
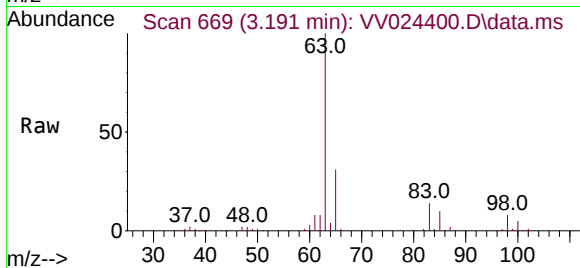
Tgt Ion: 63 Resp: 174748

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

83 14.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 56.759 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

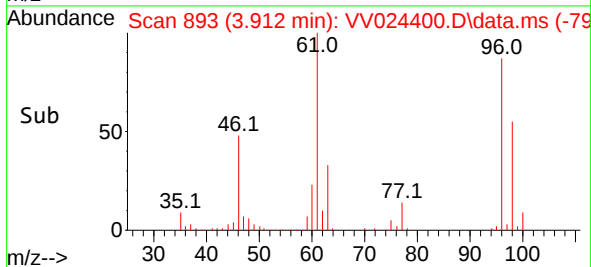
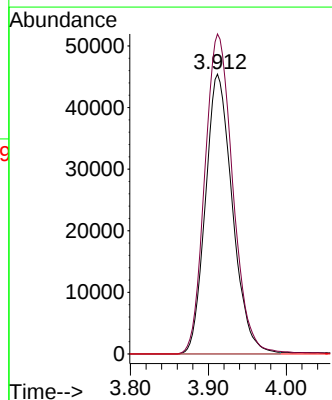
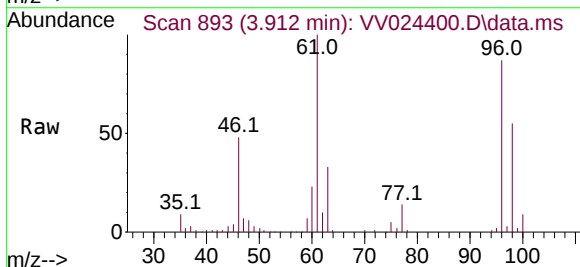
Tgt Ion: 96 Resp: 109332

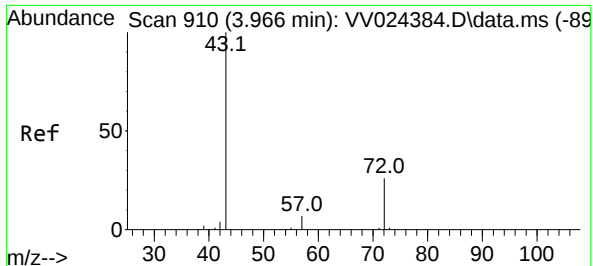
Ion Ratio Lower Upper

96 100

61 114.4 82.9 153.9

68 0.0 0.0 0.0

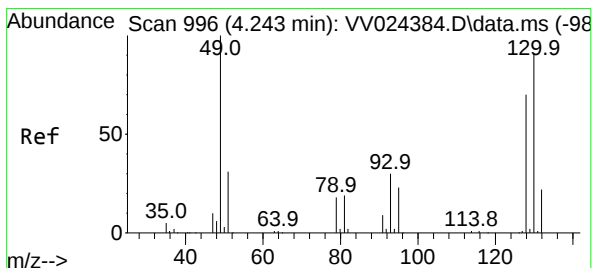
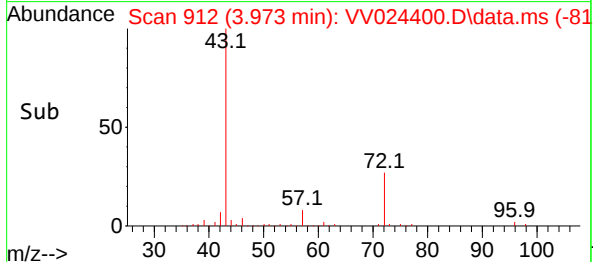
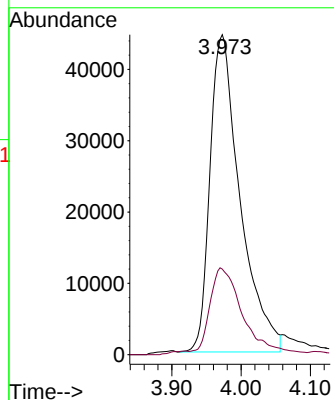
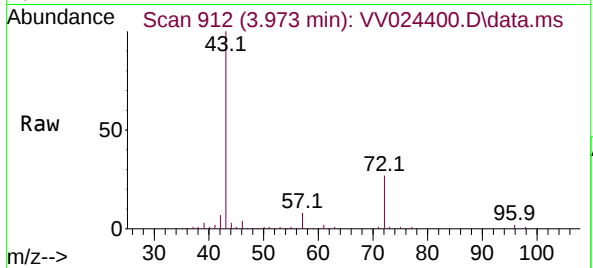




#22
2-Butanone
Concen: 111.292 ug/L
RT: 3.973 min Scan# 910
Delta R.T. 0.006 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

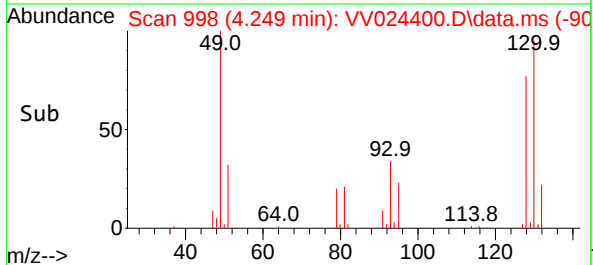
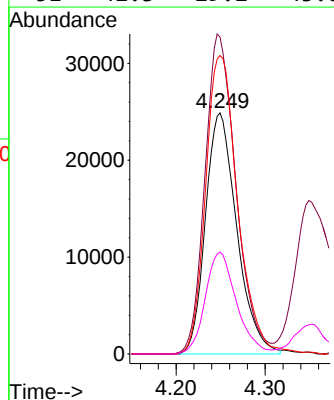
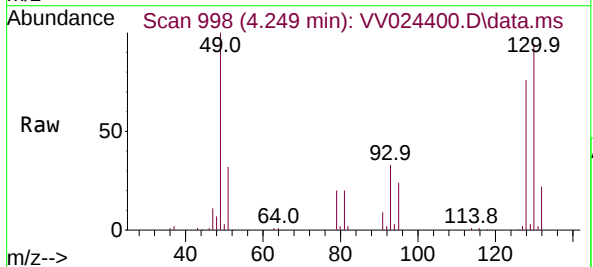
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

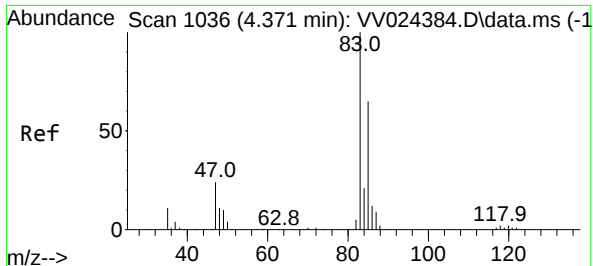
Tgt Ion: 43 Resp: 134486
Ion Ratio Lower Upper
43 100
72 25.1 14.9 44.9



#23
Bromochloromethane
Concen: 54.725 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.006 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion:128 Resp: 60740
Ion Ratio Lower Upper
128 100
49 131.3 83.1 154.3
130 123.7 87.0 161.6
51 42.3 29.2 43.8





#25

Chloroform

Concen: 55.159 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

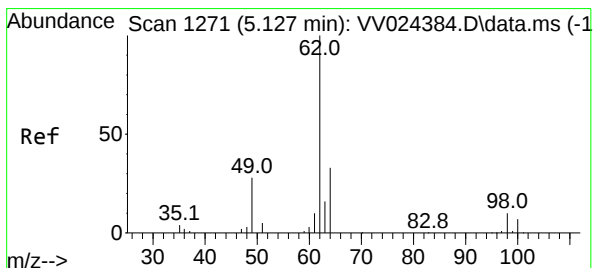
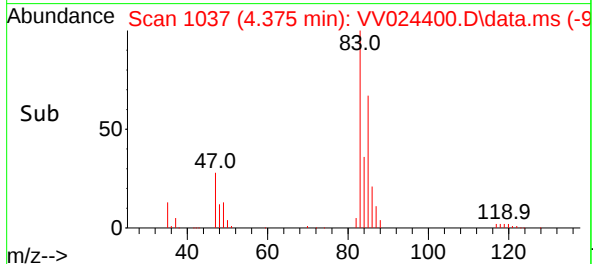
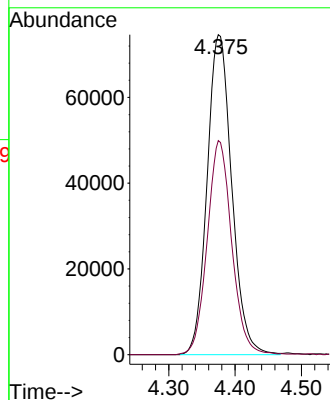
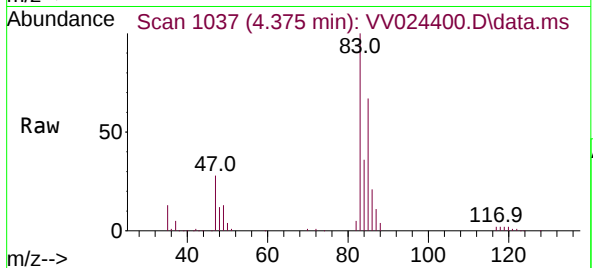
VSTD050393

Tgt Ion: 83 Resp: 192927

Ion Ratio Lower Upper

83 100

85 66.9 46.3 85.9



#27

1,2-Dichloroethane

Concen: 52.284 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV024400.D

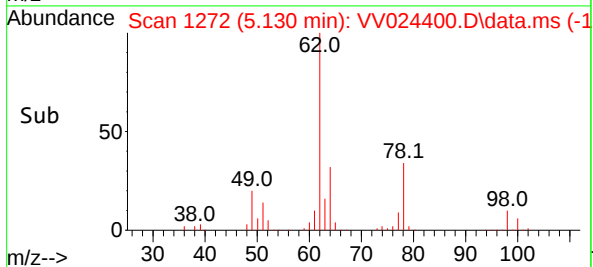
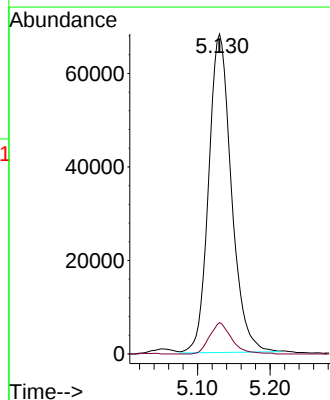
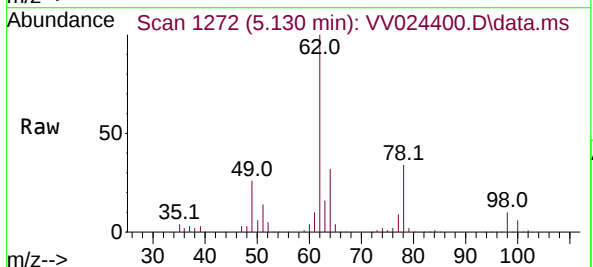
Acq: 18 Jan 2022 17:44

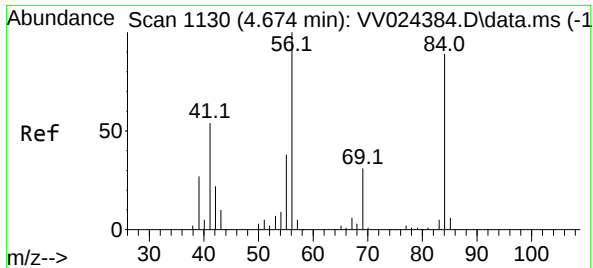
Tgt Ion: 62 Resp: 148742

Ion Ratio Lower Upper

62 100

98 9.8 7.1 10.7

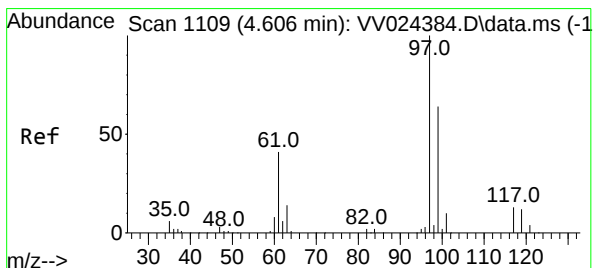
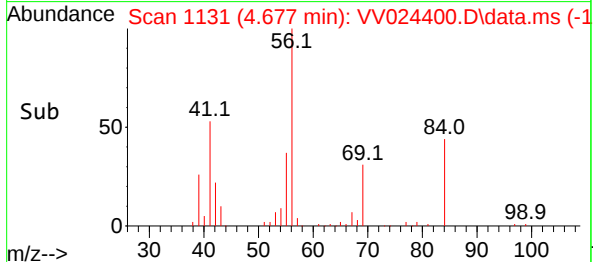
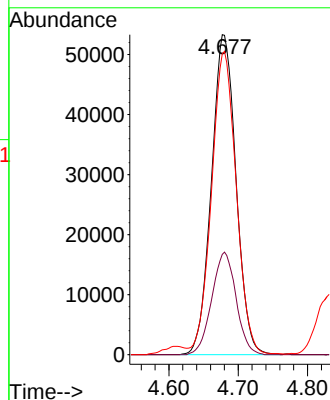
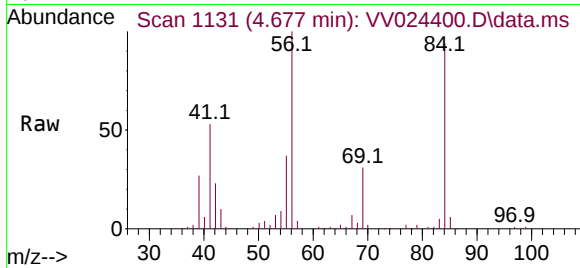




#29
Cyclohexane
Concen: 54.555 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

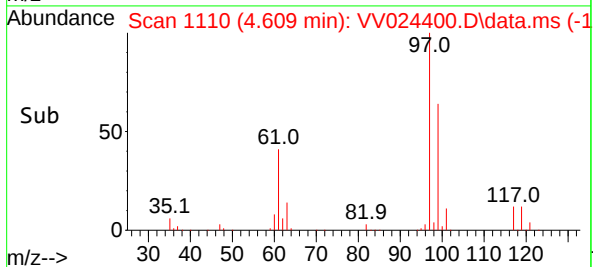
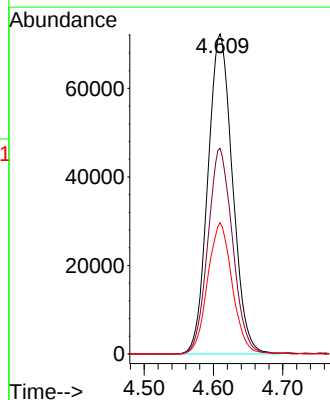
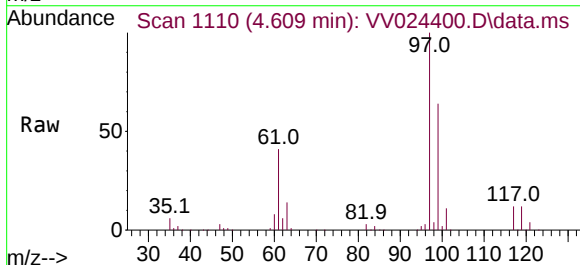
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

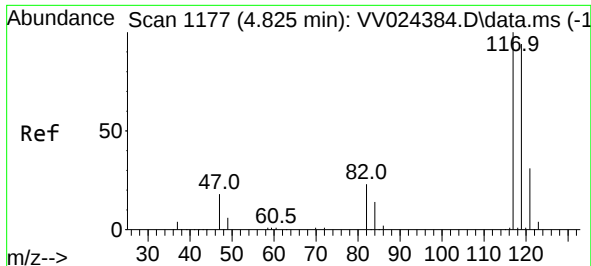
Tgt Ion:	56	Resp:	131711
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	94.5	79.1	118.7



#30
1,1,1-Trichloroethane
Concen: 53.753 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion:	97	Resp:	178625
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	41.0	33.2	49.8

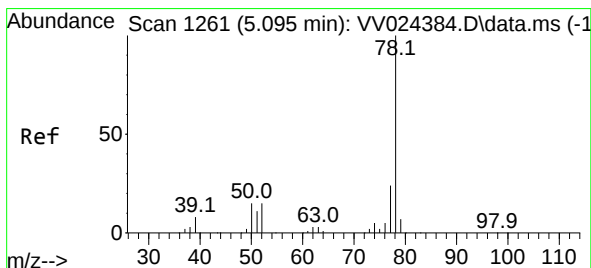
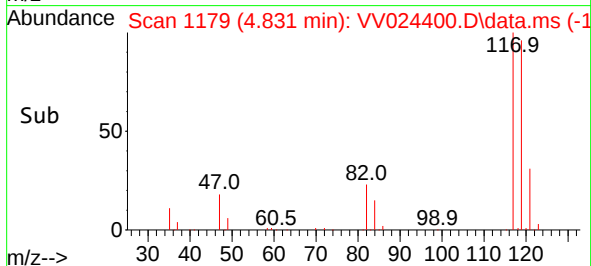
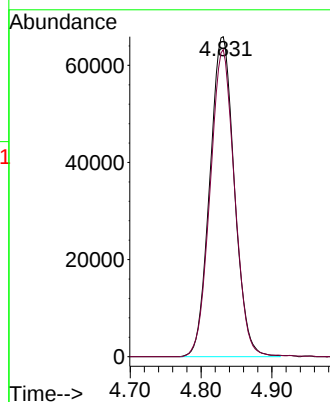
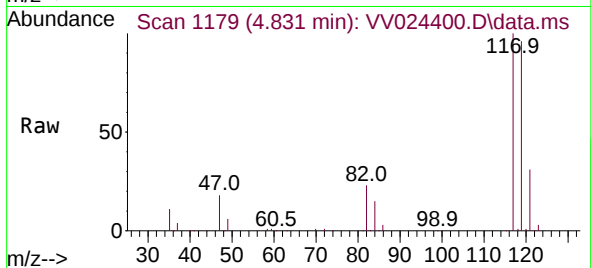




#31
Carbon tetrachloride
Concen: 51.449 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

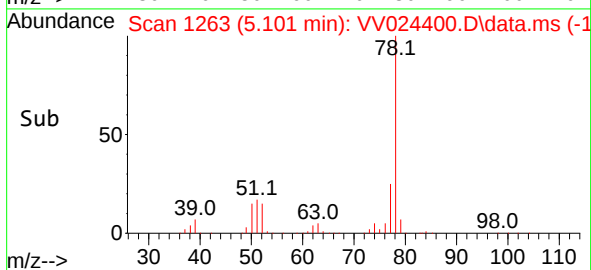
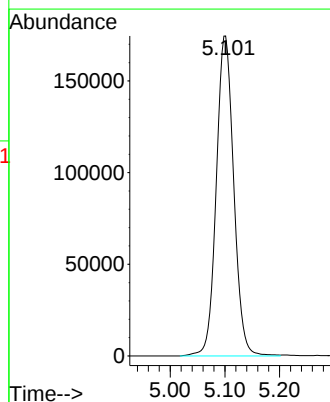
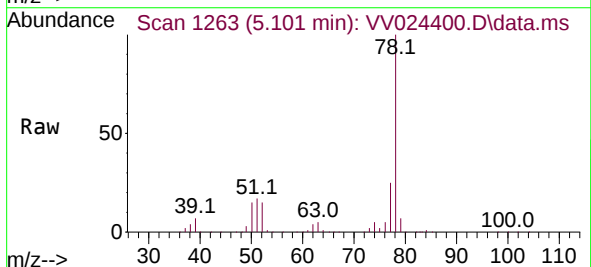
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

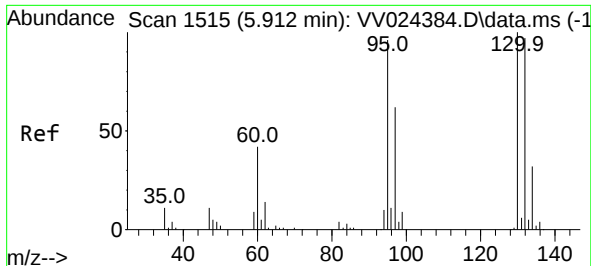
Tgt Ion:117 Resp: 158613
Ion Ratio Lower Upper
117 100
119 95.3 76.9 115.3



#33
Benzene
Concen: 56.380 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 78 Resp: 387185



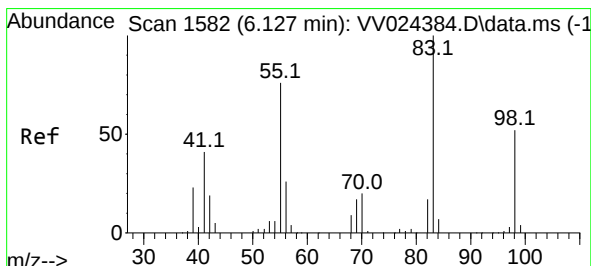
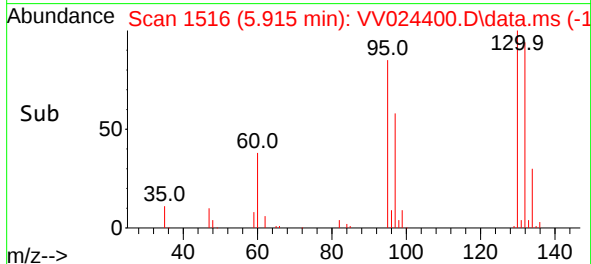
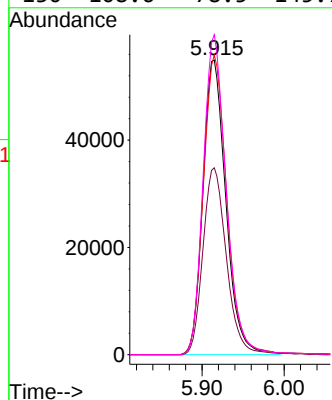
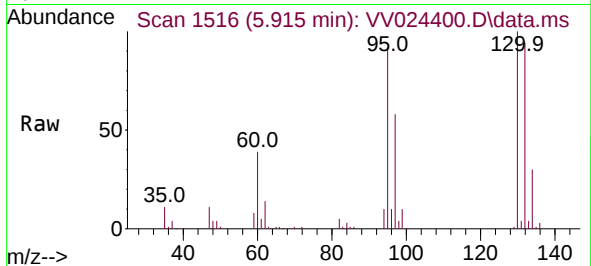


#34
Trichloroethene
Concen: 56.409 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion: 95 Resp: 106827

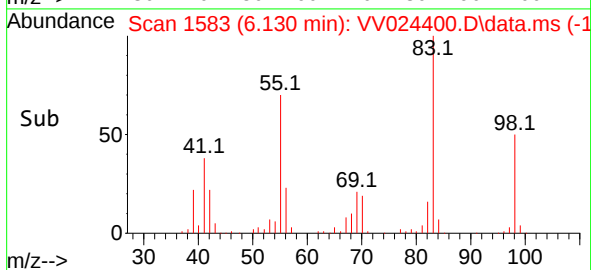
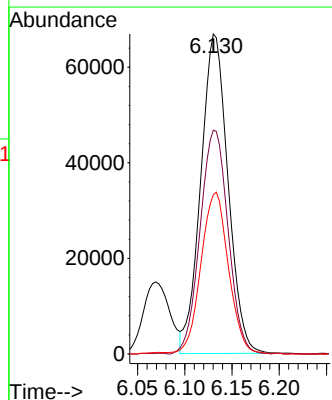
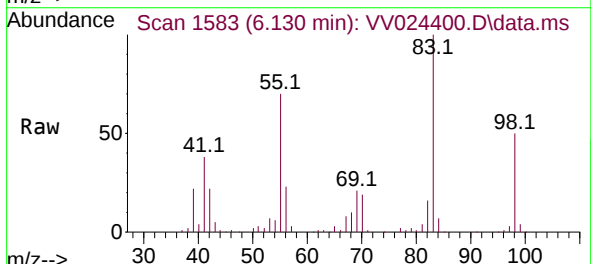
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.1	81.9
132	101.7	75.1	139.5
130	108.6	78.5	145.7

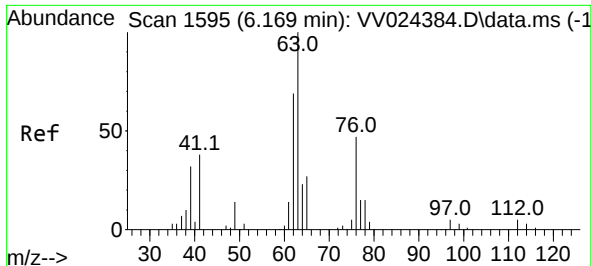


#35
Methylcyclohexane
Concen: 47.750 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 83 Resp: 134111

Ion	Ratio	Lower	Upper
83	100		
55	72.0	55.6	83.4
98	51.1	41.3	61.9





#37

1,2-Dichloropropane

Concen: 61.546 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

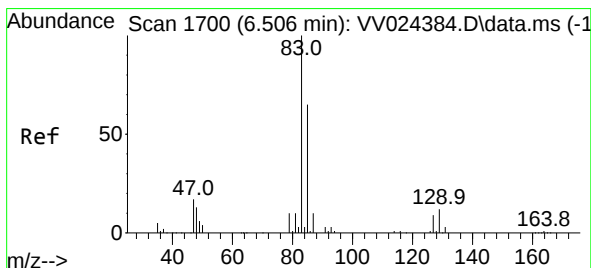
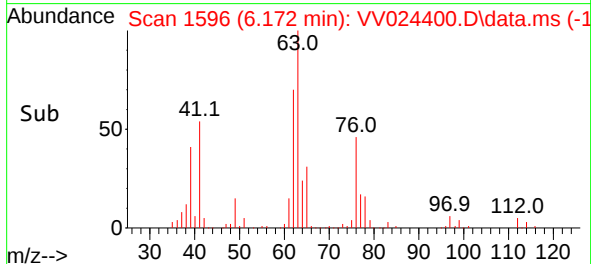
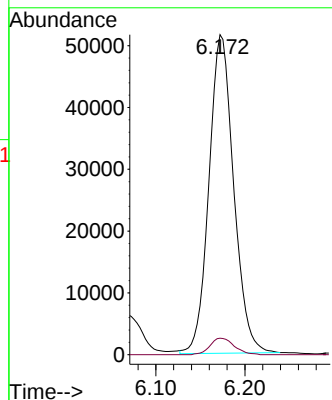
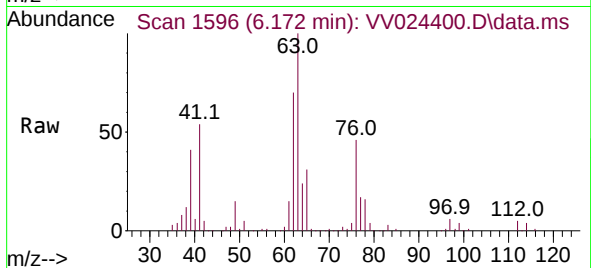
VSTD050393

Tgt Ion: 63 Resp: 99414

Ion Ratio Lower Upper

63 100

112 5.1 4.7 7.1



#38

Bromodichloromethane

Concen: 56.970 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

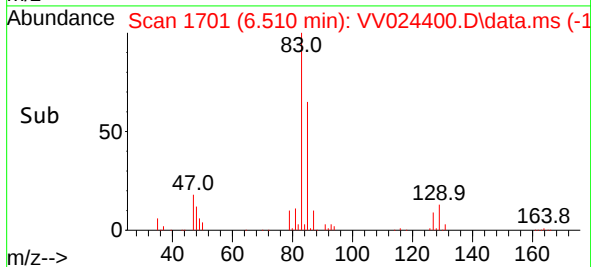
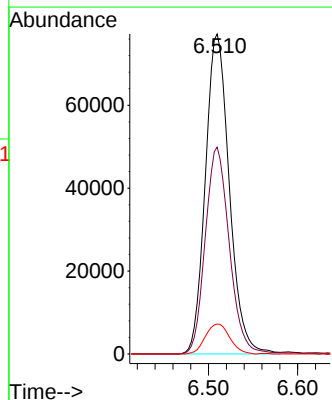
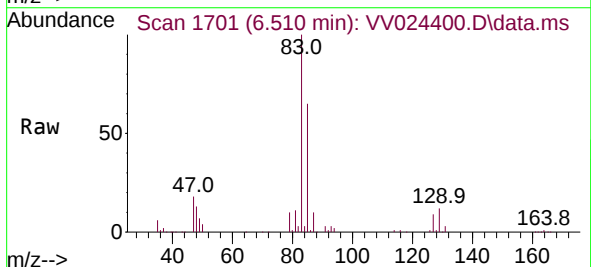
Tgt Ion: 83 Resp: 144404

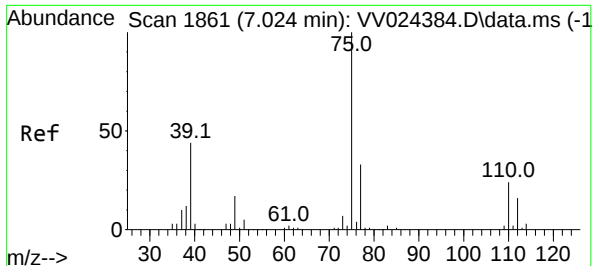
Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 9.3 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 56.147 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

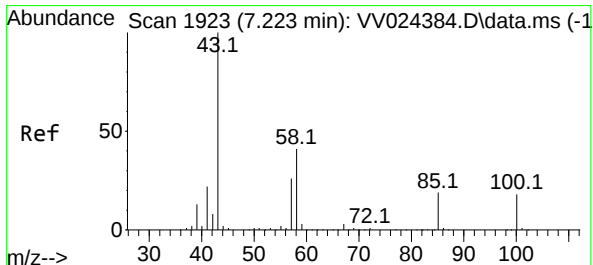
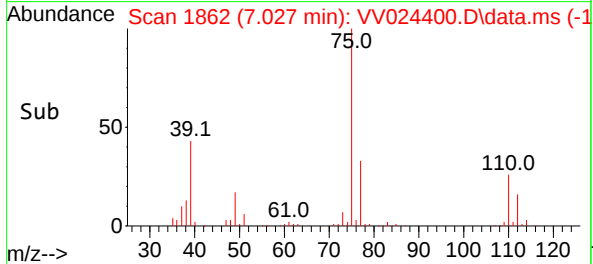
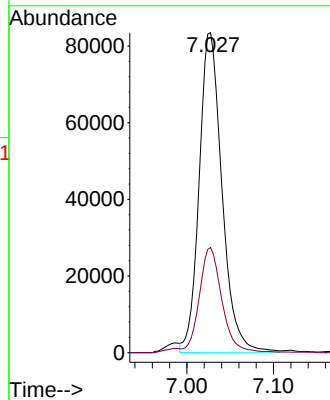
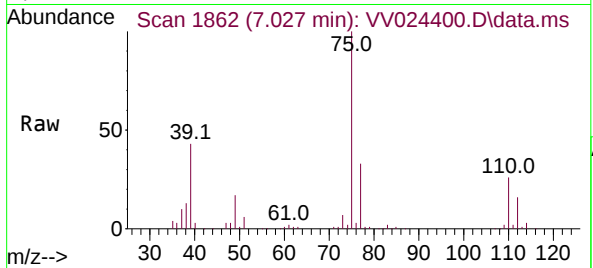
VSTD050393

Tgt Ion: 75 Resp: 152456

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 133.385 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

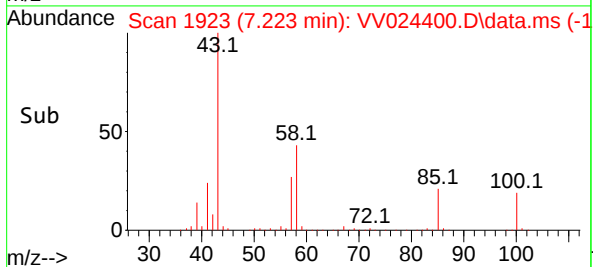
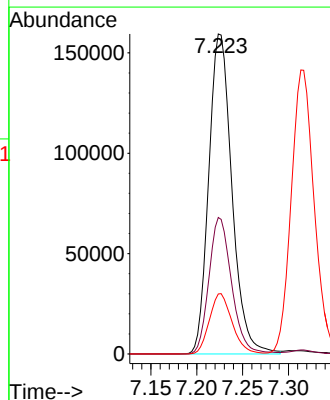
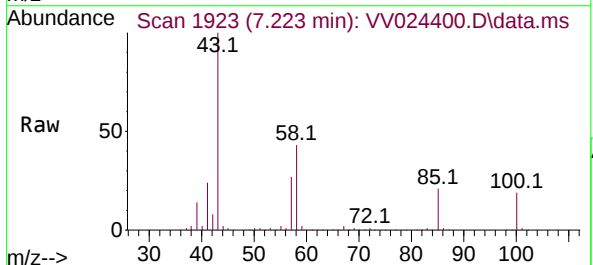
Tgt Ion: 43 Resp: 280951

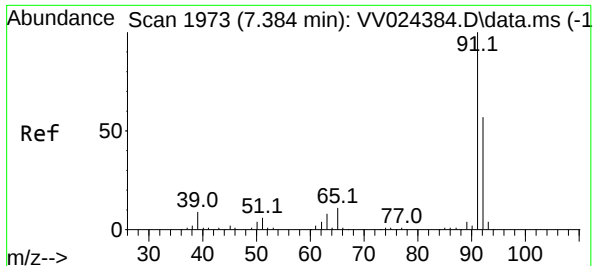
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.4

100 18.5 16.0 24.0





#42

Toluene

Concen: 55.882 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

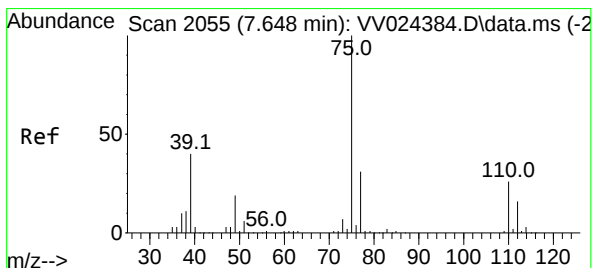
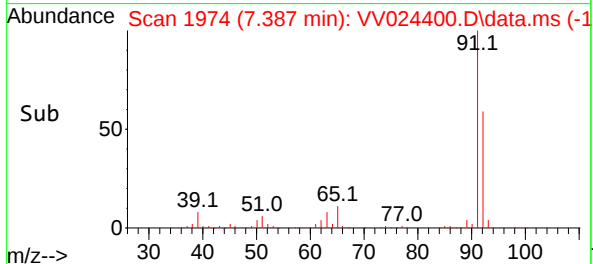
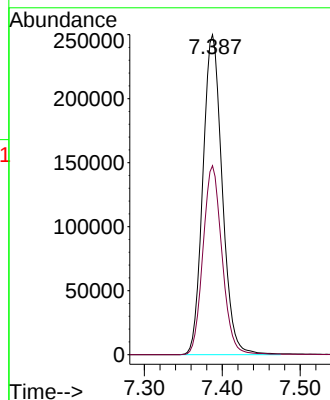
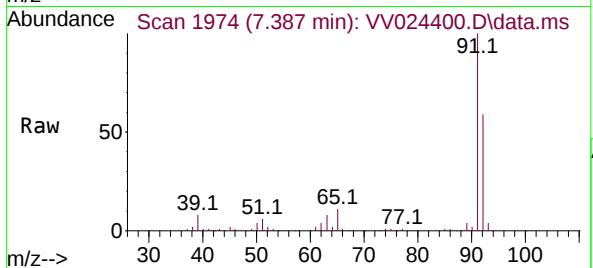
VSTD050393

Tgt Ion: 91 Resp: 430791

Ion Ratio Lower Upper

91 100

92 59.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 55.916 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV024400.D

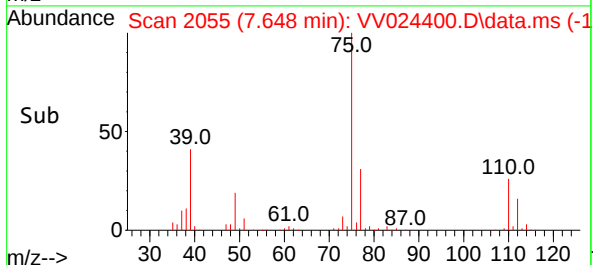
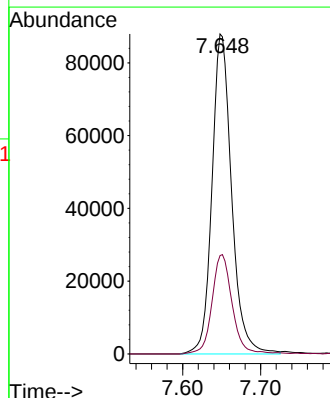
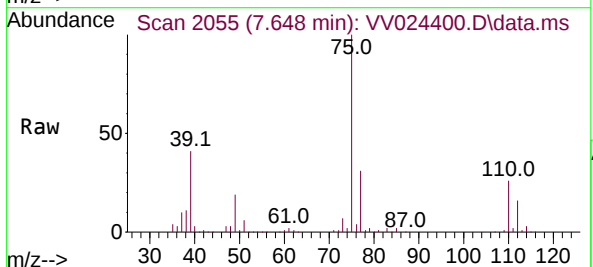
Acq: 18 Jan 2022 17:44

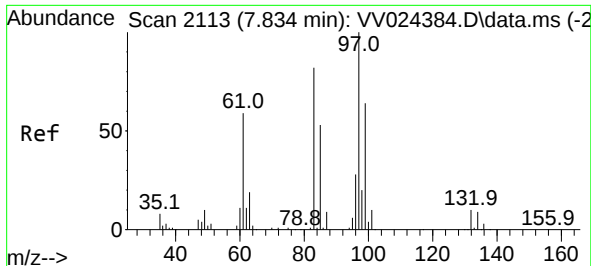
Tgt Ion: 75 Resp: 154014

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 58.198 ug/L

RT: 7.838 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

Tgt Ion: 97 Resp: 105386

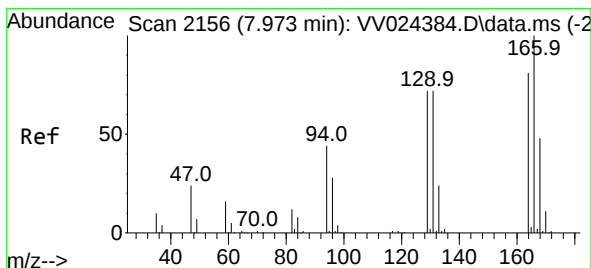
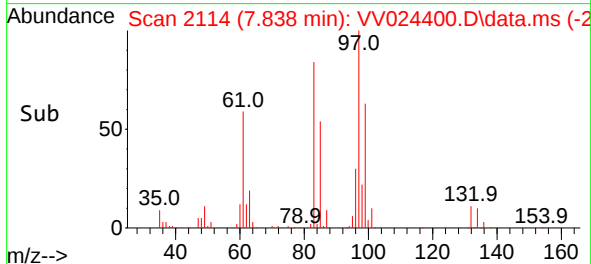
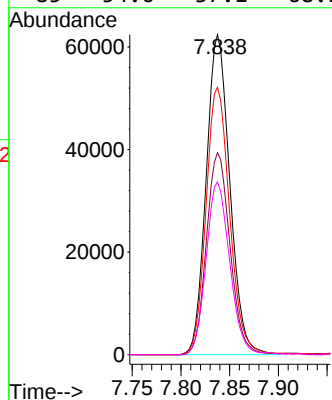
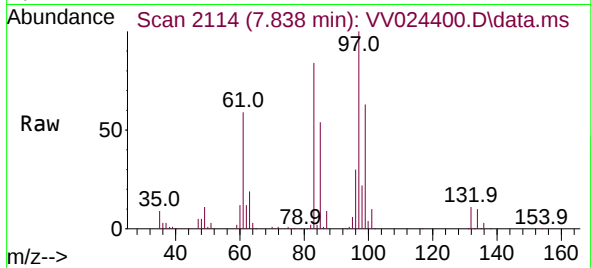
Ion Ratio Lower Upper

97 100

99 63.1 42.4 78.8

83 83.5 57.9 107.5

85 54.0 37.1 68.9



#46

Tetrachloroethene

Concen: 49.541 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Tgt Ion:164 Resp: 85393

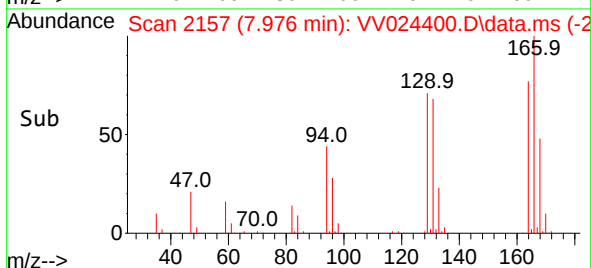
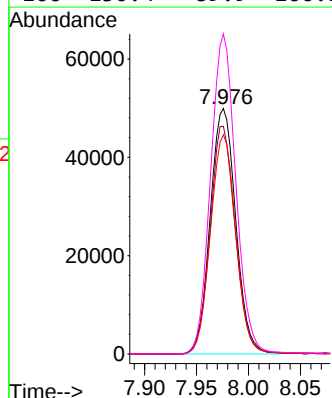
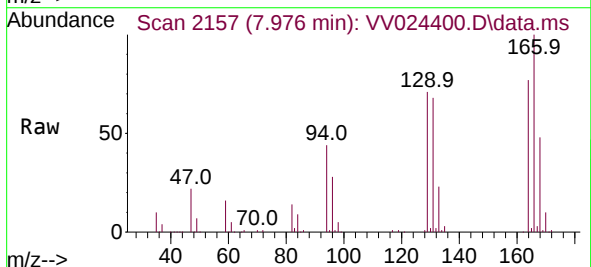
Ion Ratio Lower Upper

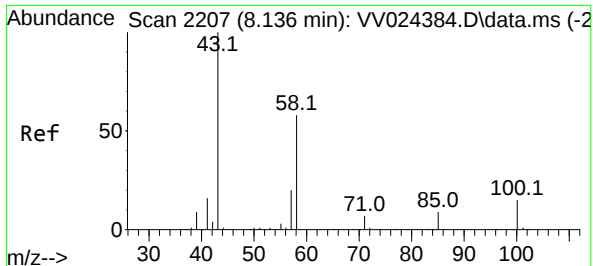
164 100

129 92.7 61.5 114.1

131 89.3 62.2 115.4

166 130.4 89.9 166.9



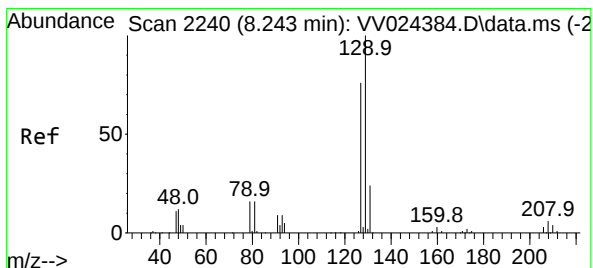
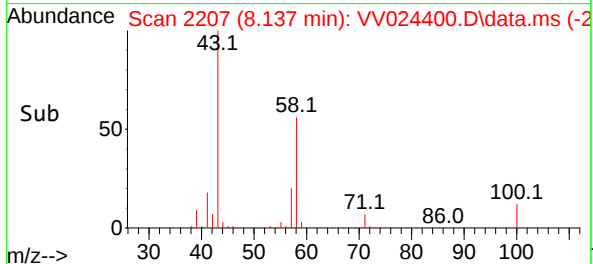
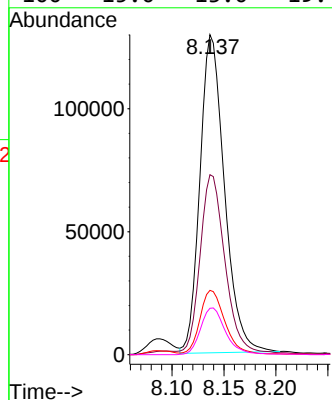
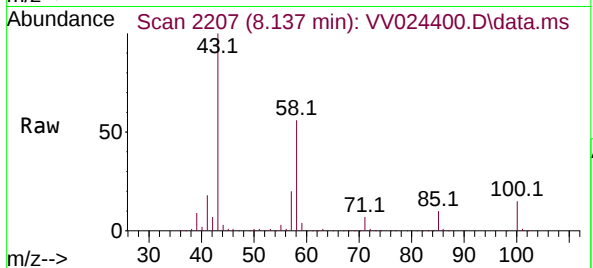


#48
2-Hexanone
Concen: 125.380 ug/L
RT: 8.137 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion: 43 Resp: 212115

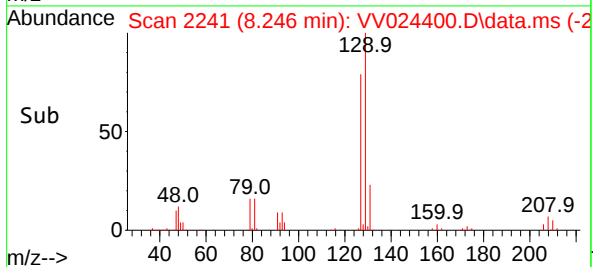
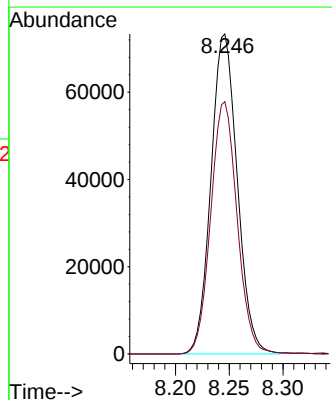
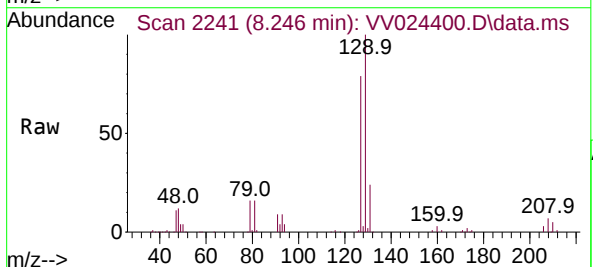
Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.0	67.4
57	20.1	16.9	25.3
100	15.0	13.0	19.4

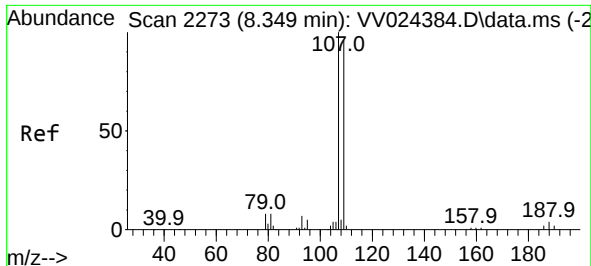


#49
Dibromochloromethane
Concen: 55.102 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 129 Resp: 125072

Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 58.076 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

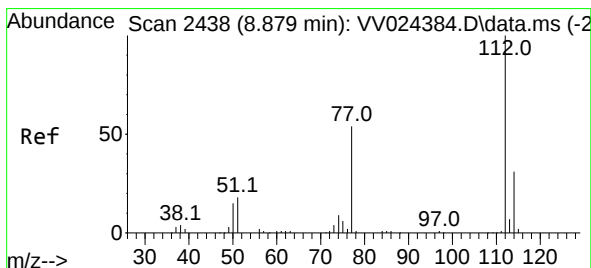
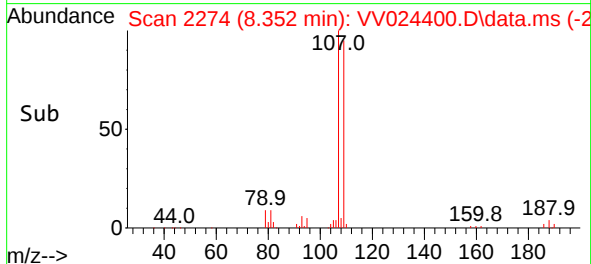
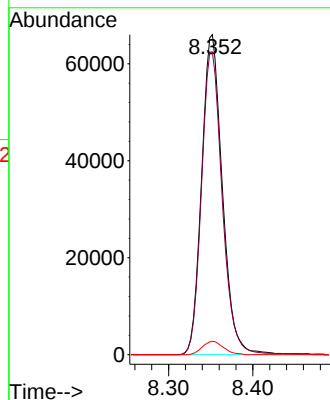
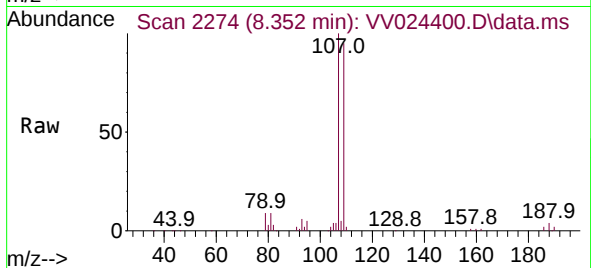
Tgt Ion:107 Resp: 112957

Ion Ratio Lower Upper

107 100

109 94.6 65.8 122.2

188 4.2 3.8 5.6



#51

Chlorobenzene

Concen: 55.863 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

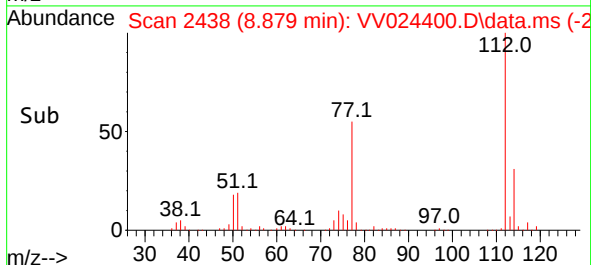
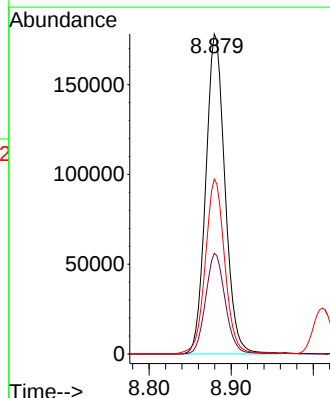
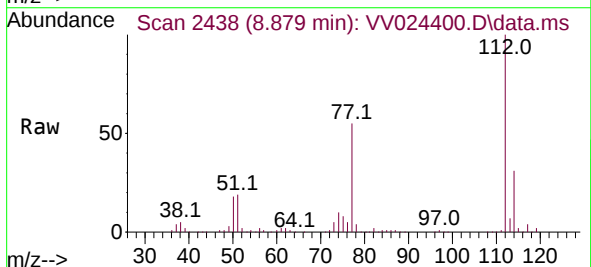
Tgt Ion:112 Resp: 290058

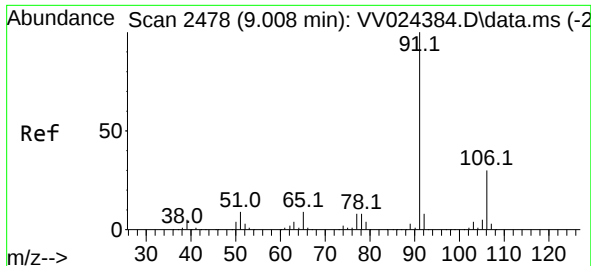
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 54.6 42.8 64.2





#52

Ethylbenzene

Concen: 56.230 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

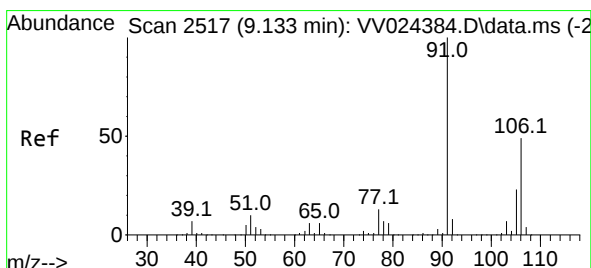
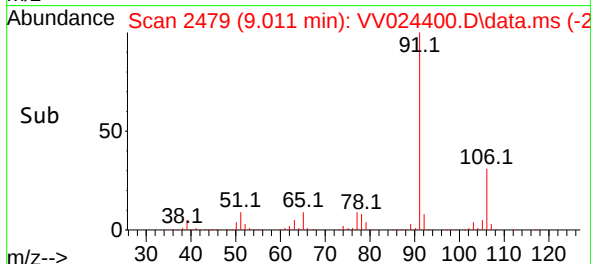
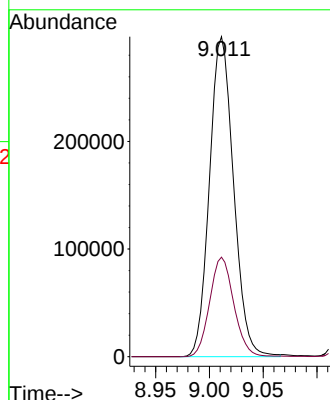
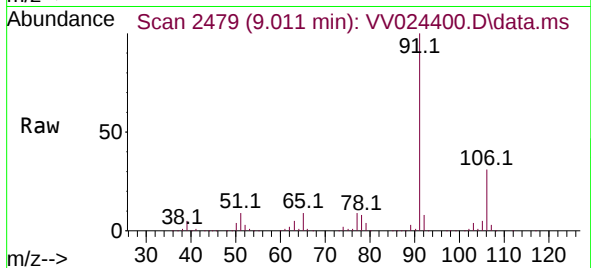
VSTD050393

Tgt Ion: 91 Resp: 463088

Ion Ratio Lower Upper

91 100

106 31.1 22.0 41.0



#53

m,p-Xylene

Concen: 54.883 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.003 min

Lab File: VV024400.D

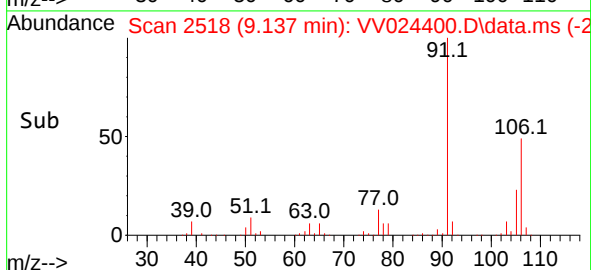
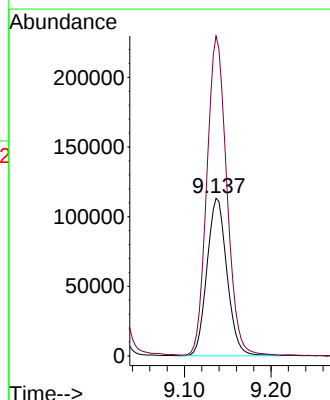
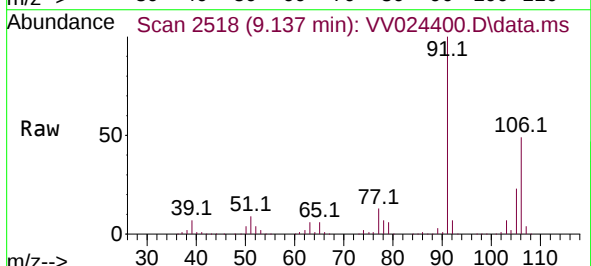
Acq: 18 Jan 2022 17:44

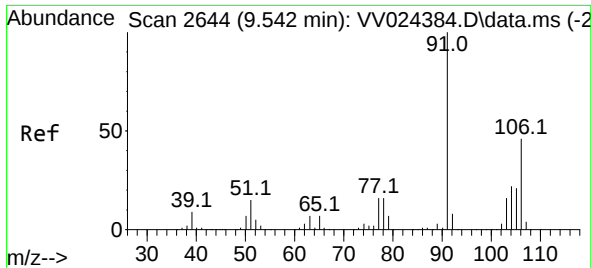
Tgt Ion: 106 Resp: 181173

Ion Ratio Lower Upper

106 100

91 202.8 141.8 263.4

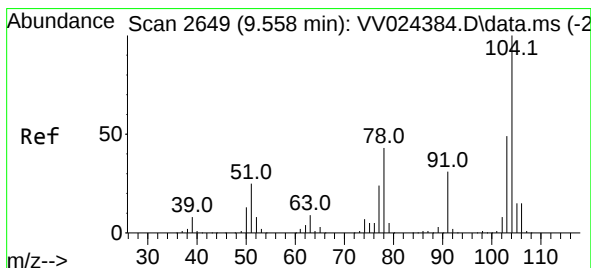
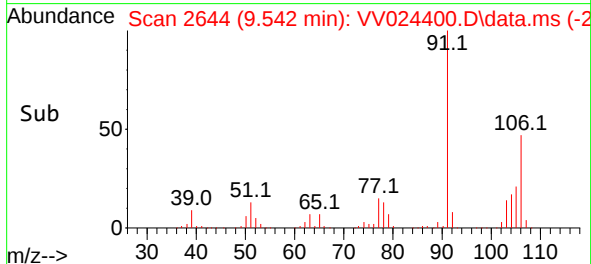
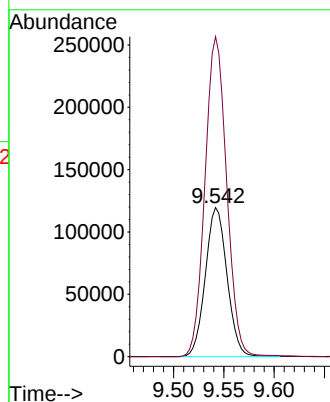
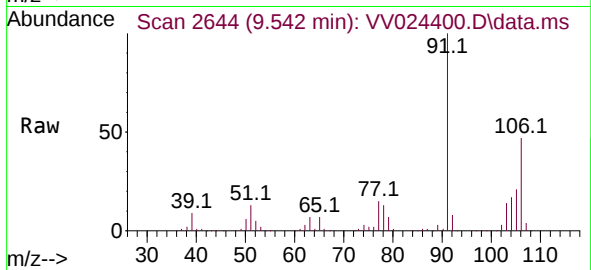




#54
o-Xylene
Concen: 56.930 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

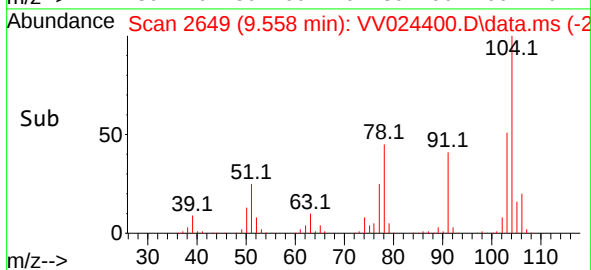
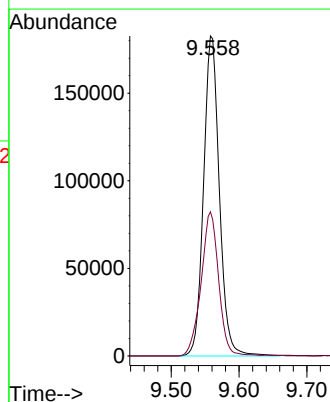
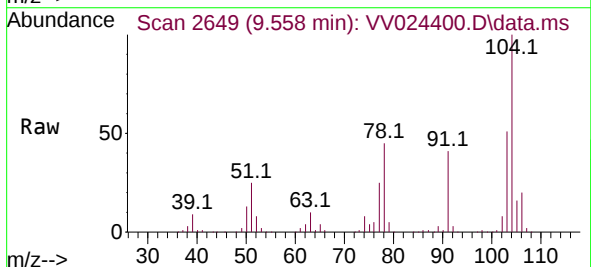
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

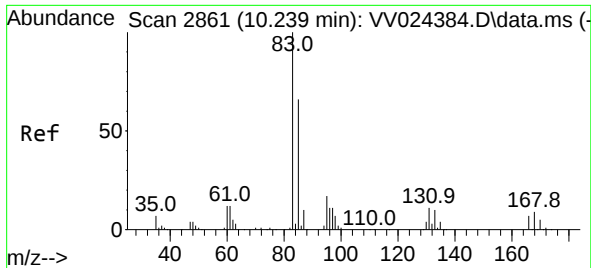
Tgt Ion:106 Resp: 179398
Ion Ratio Lower Upper
106 100
91 214.6 150.9 280.3



#55
Styrene
Concen: 54.036 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion:104 Resp: 295705
Ion Ratio Lower Upper
104 100
78 45.0 31.5 58.5

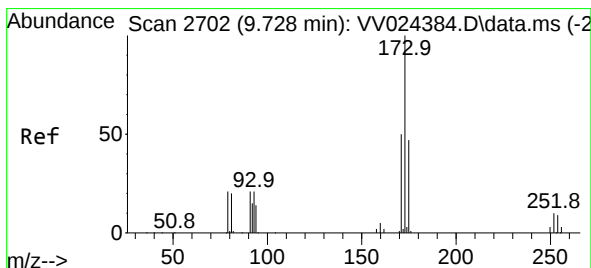
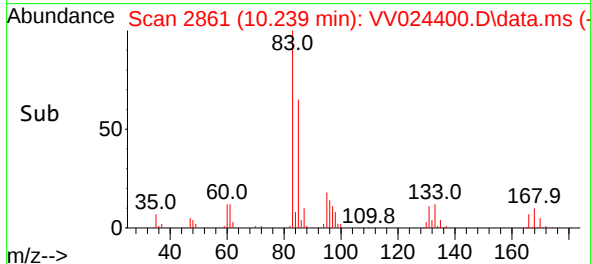
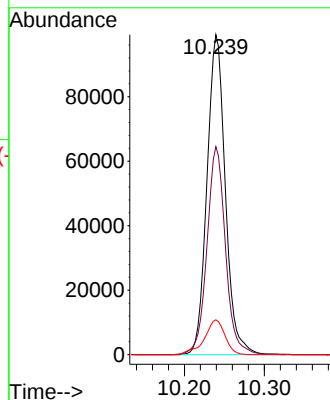
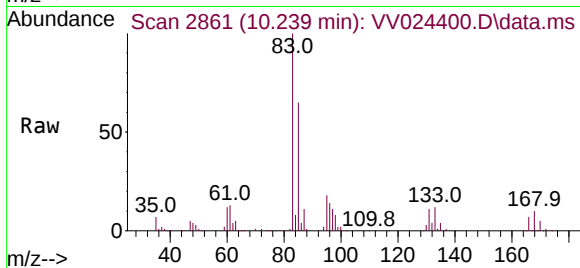




#57
 1,1,2,2-Tetrachloroethane
 Concen: 59.973 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

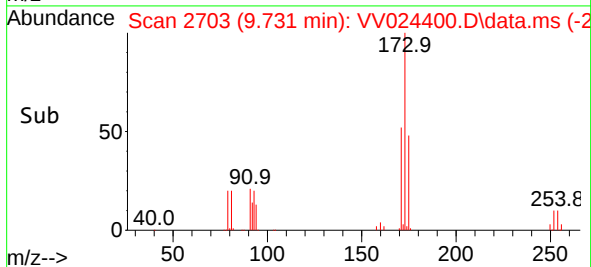
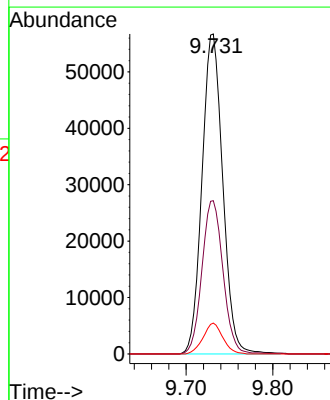
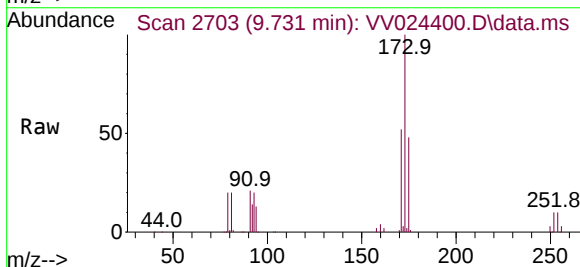
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

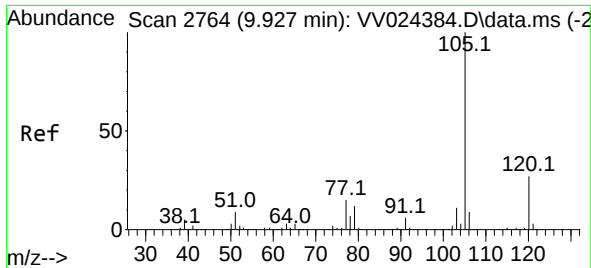
Tgt Ion: 83 Resp: 158578
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.5 82.7
 131 10.9 9.2 13.8



#59
 Bromoform
 Concen: 58.861 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. 0.003 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

Tgt Ion: 173 Resp: 94440
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.2
 254 9.2 7.8 11.6

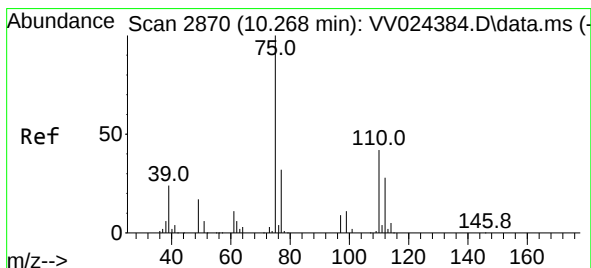
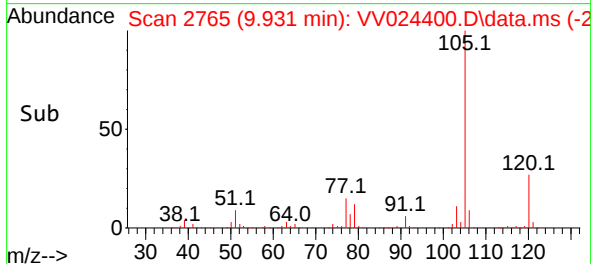
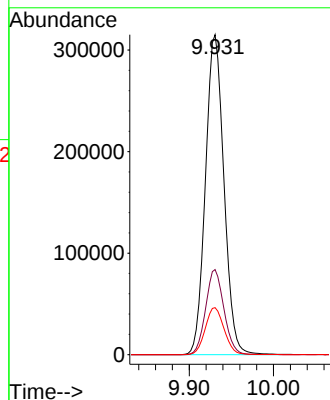
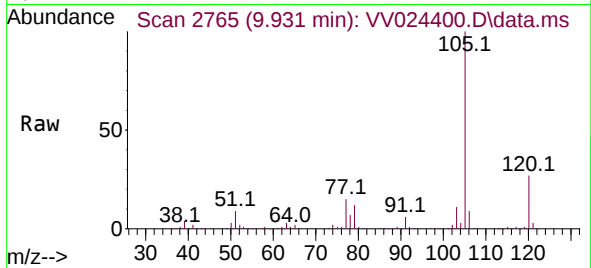




#60
Isopropylbenzene
Concen: 61.906 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

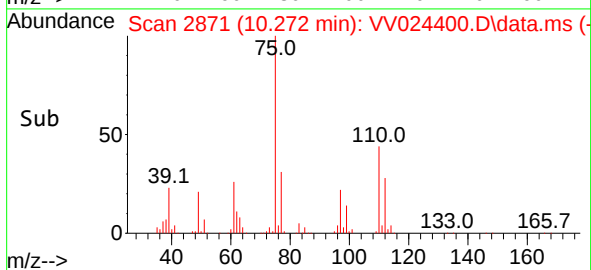
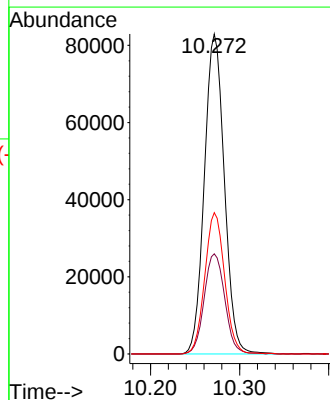
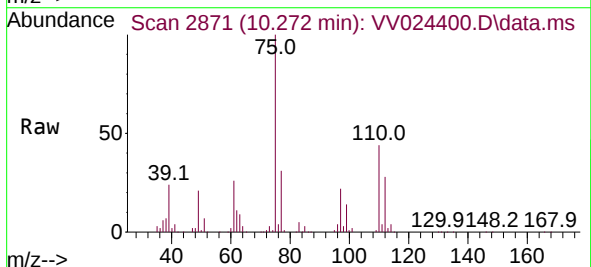
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

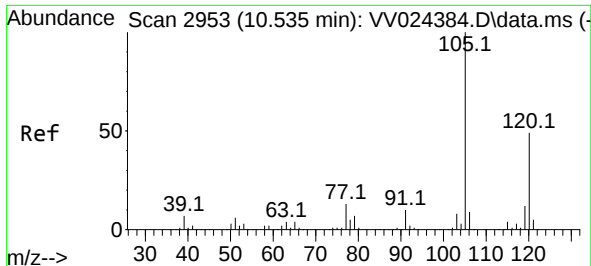
Tgt Ion:105 Resp: 482008
Ion Ratio Lower Upper
105 100
120 26.4 21.9 32.9
77 15.0 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 62.521 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion: 75 Resp: 129177
Ion Ratio Lower Upper
75 100
77 32.2 26.9 40.3
110 43.7 37.1 55.7





#62

1,3,5-Trimethylbenzene

Concen: 60.640 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

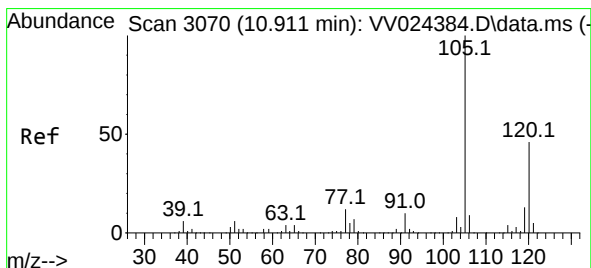
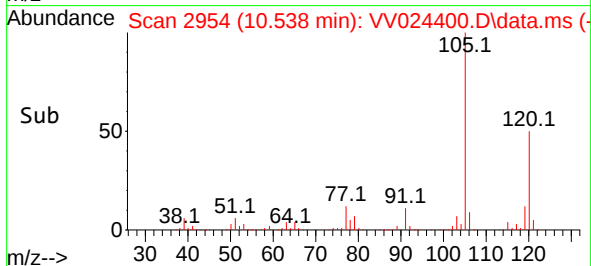
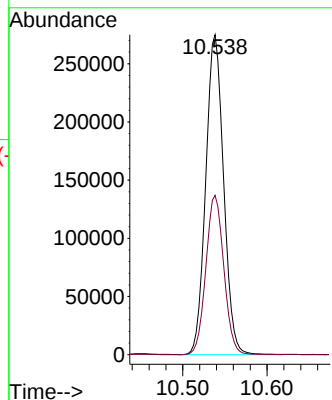
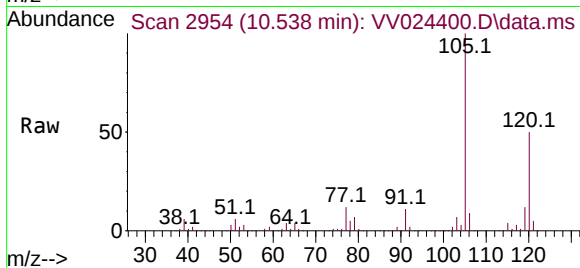
VSTD050393

Tgt Ion:105 Resp: 406137

Ion Ratio Lower Upper

105 100

120 50.1 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 61.882 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV024400.D

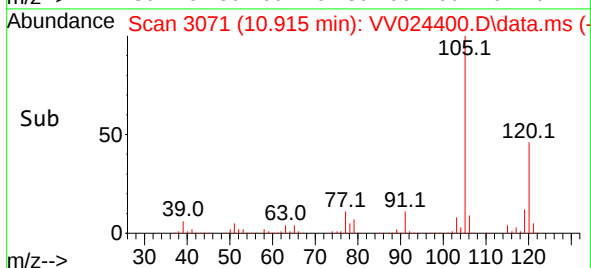
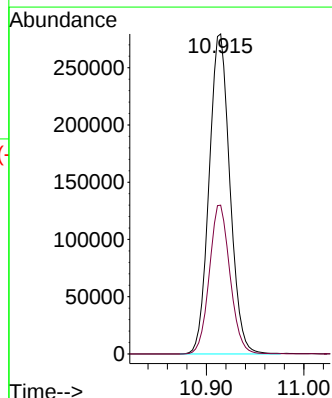
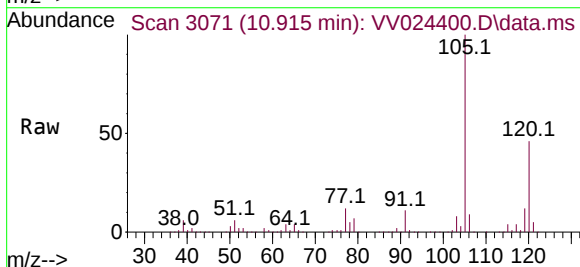
Acq: 18 Jan 2022 17:44

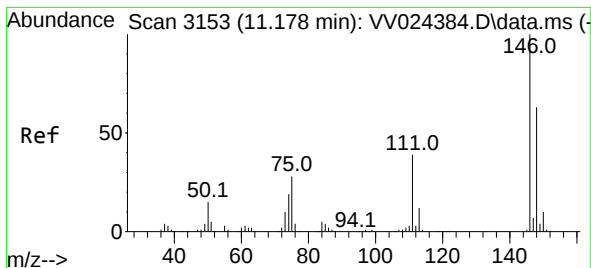
Tgt Ion:105 Resp: 413768

Ion Ratio Lower Upper

105 100

120 46.4 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 58.965 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. 0.003 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

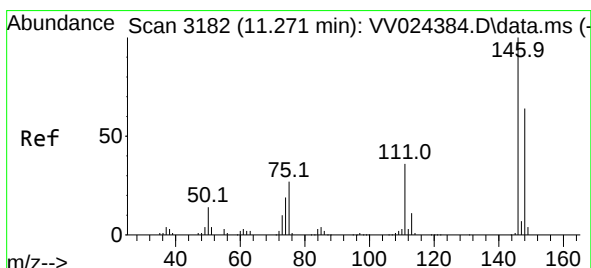
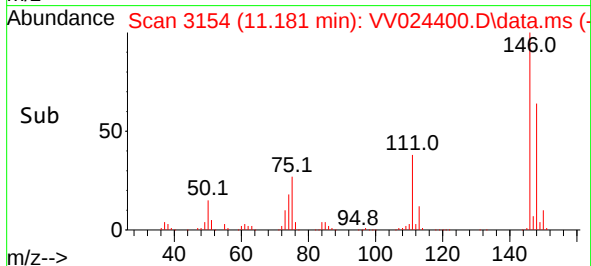
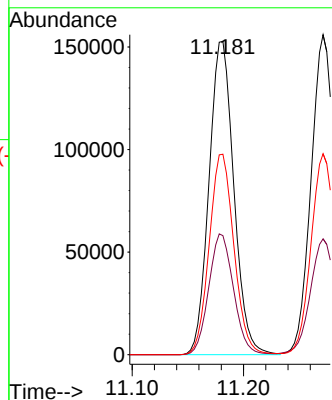
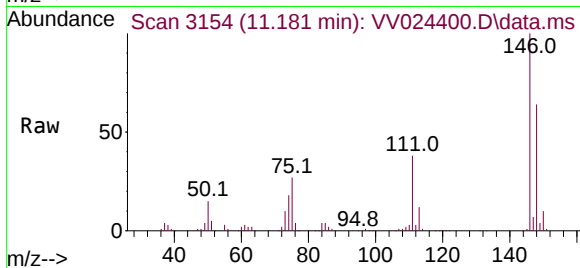
Tgt Ion:146 Resp: 236721

Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.3

148 64.0 44.7 82.9



#65

1,4-Dichlorobenzene

Concen: 57.310 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV024400.D

Acq: 18 Jan 2022 17:44

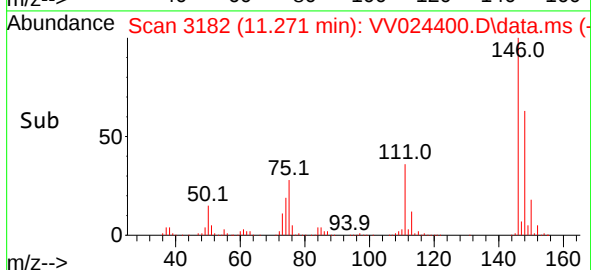
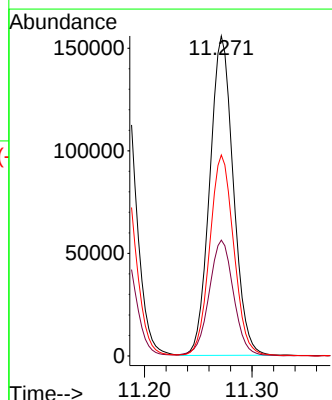
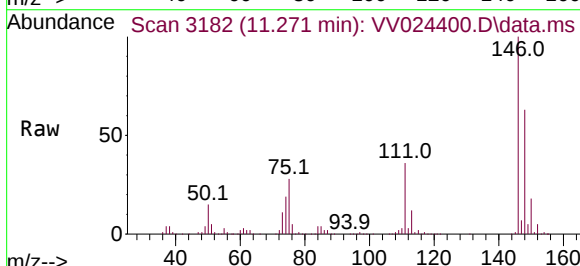
Tgt Ion:146 Resp: 237273

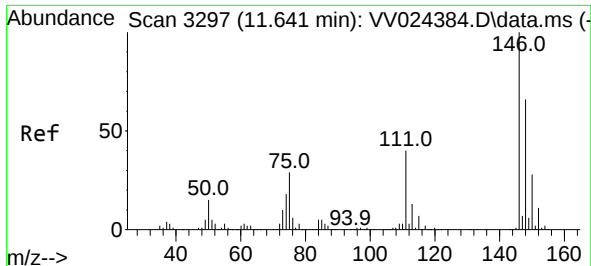
Ion Ratio Lower Upper

146 100

111 36.2 26.5 49.3

148 62.8 44.9 83.5

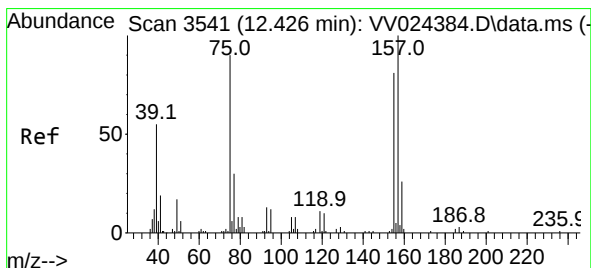
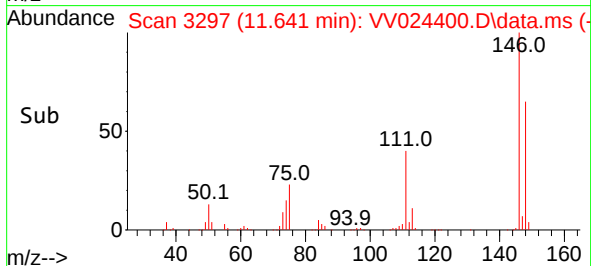
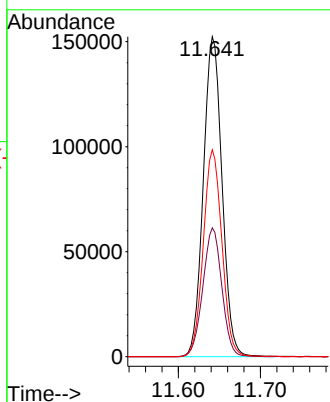
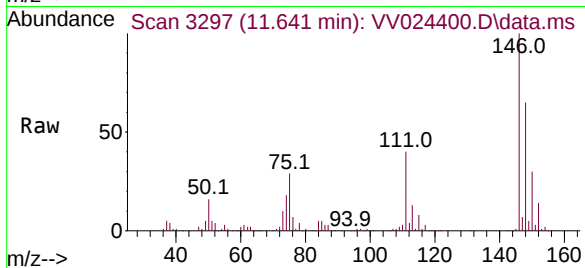




#67
1,2-Dichlorobenzene
Concen: 58.412 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

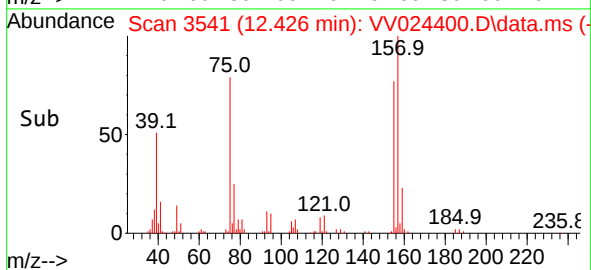
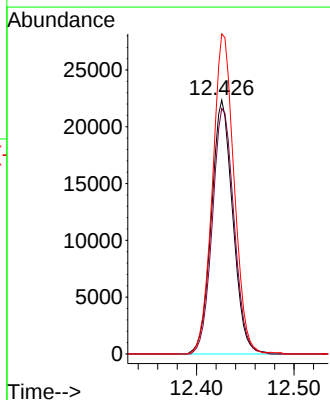
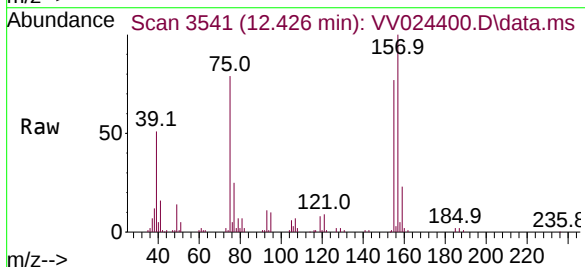
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

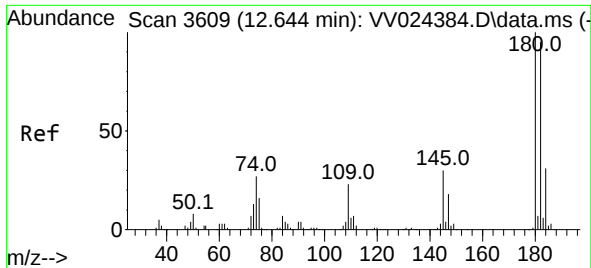
Tgt Ion:146 Resp: 241683
Ion Ratio Lower Upper
146 100
111 40.3 32.0 48.0
148 64.6 51.6 77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 57.289 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

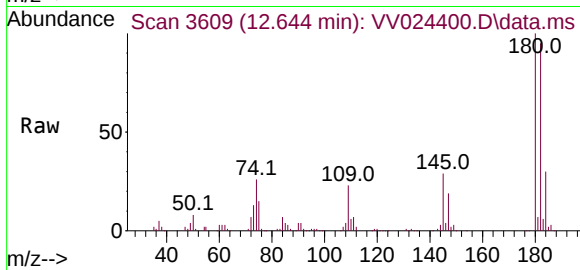
Tgt Ion: 75 Resp: 34091
Ion Ratio Lower Upper
75 100
155 96.7 73.2 109.8
157 126.0 98.5 147.7



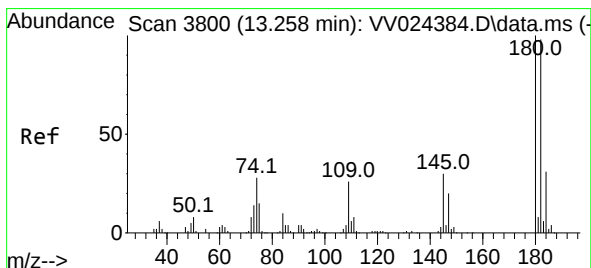
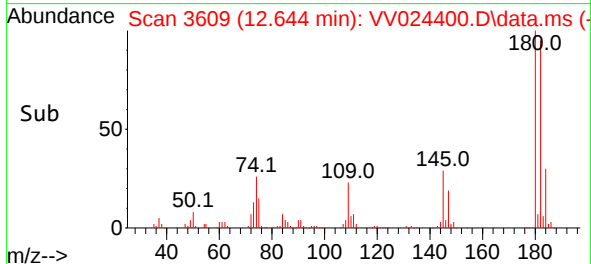
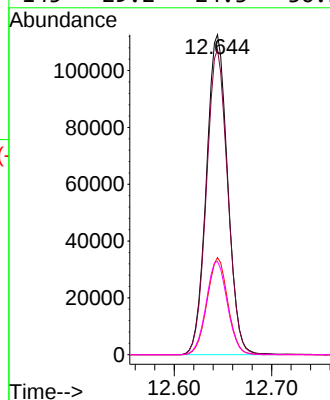


#69
 1,3,5-Trichlorobenzene
 Concen: 55.320 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

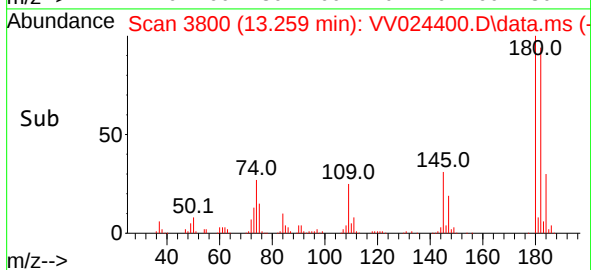
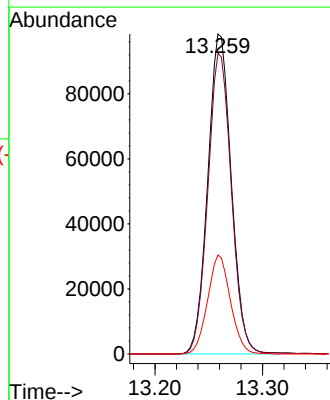
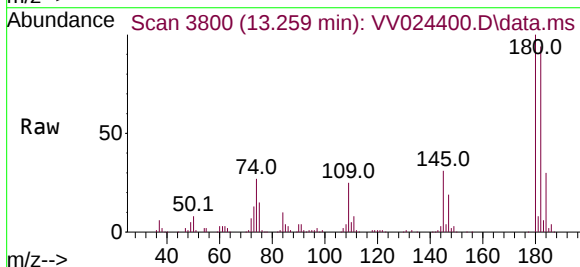


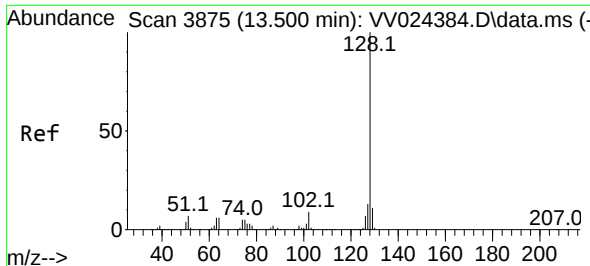
Tgt Ion:180	Resp:	170827
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.4 113.2
184	29.6	24.7 37.1
145	29.2	24.3 36.5



#70
 1,2,4-trichlorobenzene
 Concen: 56.604 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV024400.D
 Acq: 18 Jan 2022 17:44

Tgt Ion:180	Resp:	149486
Ion	Ratio	Lower Upper
180	100	
182	93.7	75.6 113.4
145	30.0	23.9 35.9

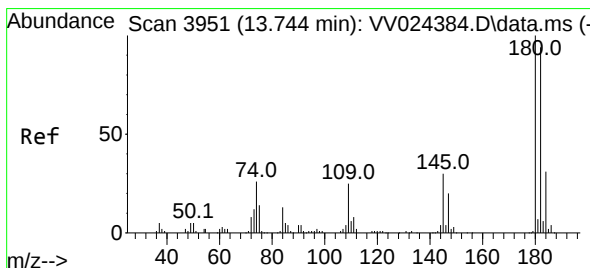
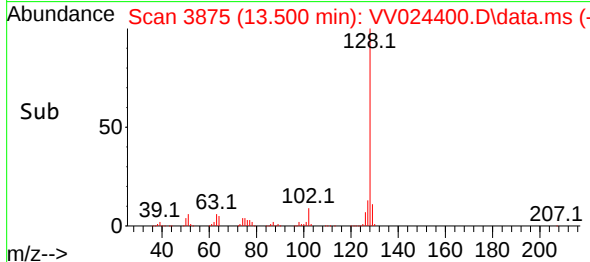
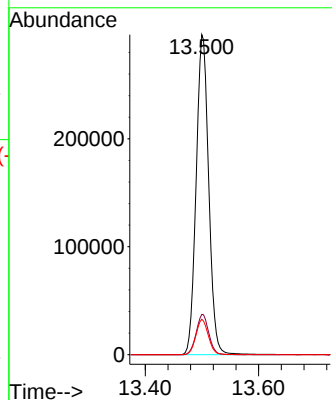
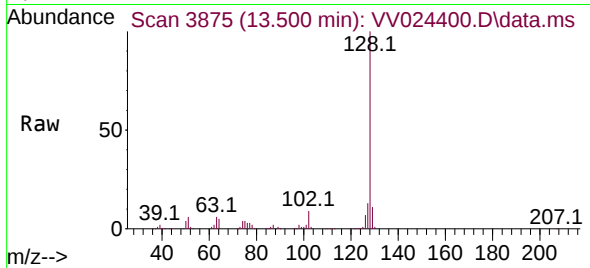




#71
Naphthalene
Concen: 59.504 ug/L
RT: 13.500 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion:128 Resp: 454650
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 56.354 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.003 min
Lab File: VV024400.D
Acq: 18 Jan 2022 17:44

Tgt Ion:180 Resp: 153815
Ion Ratio Lower Upper
180 100
182 95.2 76.1 114.1
145 32.1 25.0 37.4

