

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051022\
 Data File : VW025874.D
 Acq On : 10 May 2022 20:43
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050292

Quant Time: May 11 04:27:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 11 04:11:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	340538	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	342323	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	188739	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	183327	41.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.420%
7) Chloroethane-d5	1.571	69	146295	37.904	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.111	63	354793	46.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.320%
21) 2-Butanone-d5	3.905	46	178655	94.841	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.840%
24) Chloroform-d	4.349	84	268077	43.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.340%
26) 1,2-Dichloroethane-d4	5.030	65	163985	44.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.400%
32) Benzene-d6	5.050	84	540140	45.261	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.520%
36) 1,2-Dichloropropane-d6	6.069	67	167316	45.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.300%
41) Toluene-d8	7.313	98	493235	44.858	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.720%
43) trans-1,3-Dichloroprop...	7.619	79	70377	43.013	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.020%
47) 2-Hexanone-d5	8.088	63	131957	98.196	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.200%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	224956	46.022	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.040%
66) 1,2-Dichlorobenzene-d4	11.622	152	181477	43.834	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	165533	47.015	ug/L	99
3) Chloromethane	1.243	50	204337	47.987	ug/L	99
5) Vinyl chloride	1.314	62	207954	48.036	ug/L	99
6) Bromomethane	1.526	94	119625	45.475	ug/L	100
8) Chloroethane	1.587	64	133784	41.380	ug/L	100
9) Trichlorofluoromethane	1.754	101	281087	45.689	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	155847	47.679	ug/L	99
12) 1,1-Dichloroethene	2.121	96	157830	49.094	ug/L	95
13) Acetone	2.201	43	132057	102.731	ug/L	95
14) Carbon disulfide	2.294	76	388959	48.914	ug/L	99
15) Methyl Acetate	2.442	43	135648	49.255	ug/L	99
16) Methylene chloride	2.510	84	151405	48.621	ug/L	99
17) trans-1,2-Dichloroethene	2.760	96	134201	48.588	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	406006	50.542	ug/L	100
19) 1,1-Dichloroethane	3.191	63	253666	49.170	ug/L	98
20) cis-1,2-Dichloroethene	3.911	96	141007	47.296	ug/L	98
22) 2-Butanone	3.989	43	168528	98.308	ug/L	97
23) Bromochloromethane	4.249	128	75155	47.725	ug/L	94
25) Chloroform	4.374	83	260746	47.696	ug/L	99

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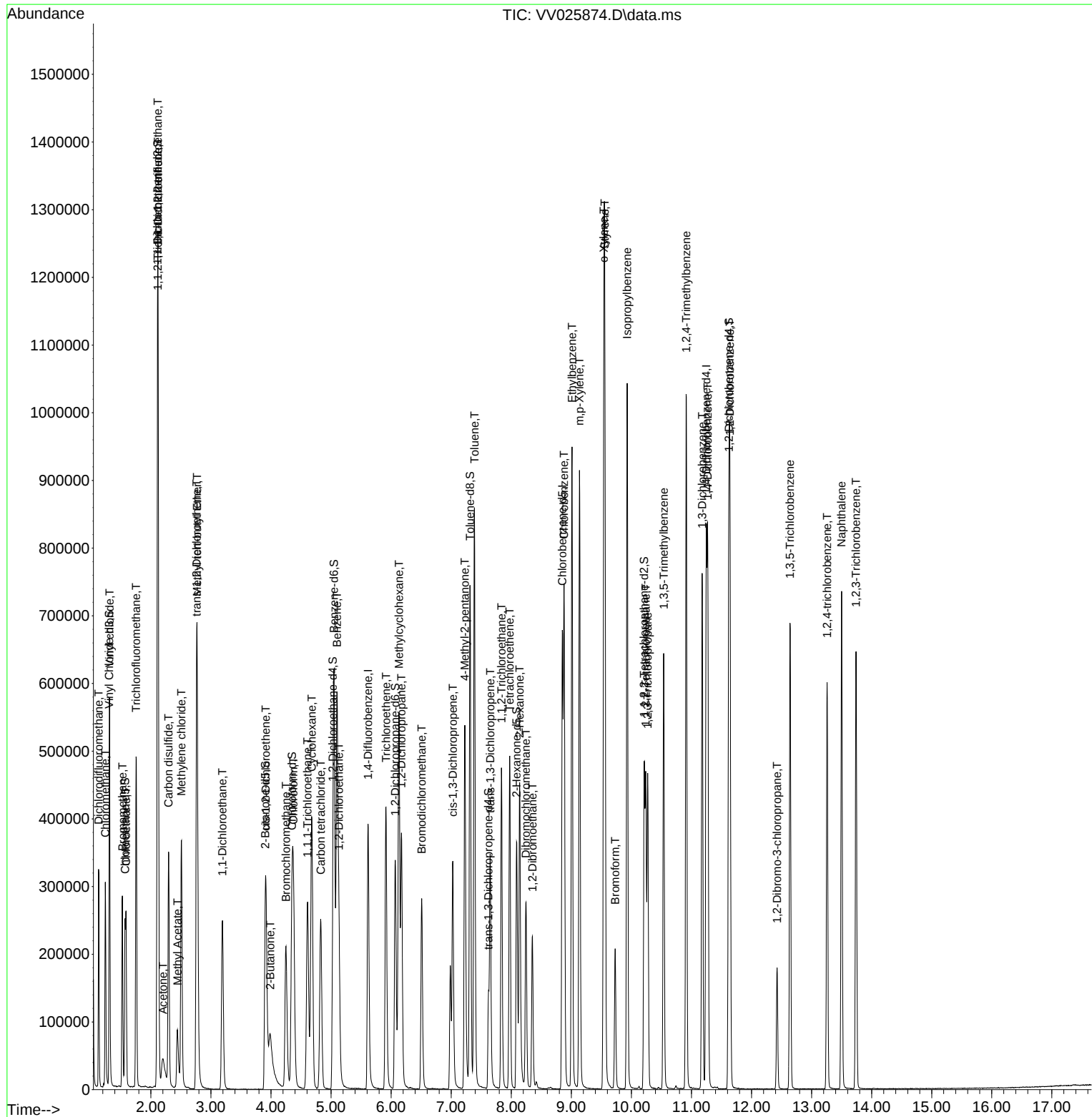
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
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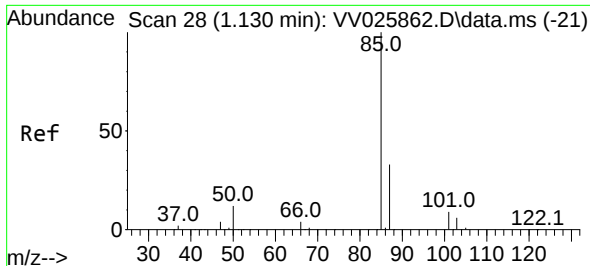
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	199232	48.203	ug/L	99
29) Cyclohexane	4.677	56	210513	50.795	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	225245	48.449	ug/L	98
31) Carbon tetrachloride	4.828	117	186146	47.691	ug/L	100
33) Benzene	5.098	78	582999	50.579	ug/L	100
34) Trichloroethene	5.915	95	145503	48.263	ug/L	99
35) Methylcyclohexane	6.130	83	230432	51.034	ug/L	100
37) 1,2-Dichloropropane	6.172	63	148696	51.354	ug/L	99
38) Bromodichloromethane	6.509	83	187789	47.960	ug/L	100
39) cis-1,3-Dichloropropene	7.027	75	205394	49.743	ug/L	99
40) 4-Methyl-2-pentanone	7.226	43	368490	108.873	ug/L	99
42) Toluene	7.387	91	625392	50.577	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	194161	48.877	ug/L	97
45) 1,1,2-Trichloroethane	7.837	97	143966	48.934	ug/L	99
46) Tetrachloroethene	7.976	164	108151	48.632	ug/L	97
48) 2-Hexanone	8.140	43	287978	109.354	ug/L	99
49) Dibromochloromethane	8.242	129	138529	47.736	ug/L	98
50) 1,2-Dibromoethane	8.352	107	147295	49.232	ug/L	98
51) Chlorobenzene	8.879	112	387820	48.979	ug/L	100
52) Ethylbenzene	9.011	91	648597	50.842	ug/L	100
53) m,p-Xylene	9.136	106	254951	51.525	ug/L	99
54) o-Xylene	9.541	106	245250	50.456	ug/L	99
55) Styrene	9.558	104	441612	52.142	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	218195	49.707	ug/L	99
59) Bromoform	9.731	173	87719	48.180	ug/L	99
60) Isopropylbenzene	9.931	105	645505	51.059	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	182295	48.797	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	333265	51.142	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	532257	52.644	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	292614	48.897	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	306519	48.876	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	302333	48.844	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	42323	49.071	ug/L	98
69) 1,3,5-Trichlorobenzene	12.641	180	199180	48.205	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	171969	48.876	ug/L	99
71) Naphthalene	13.500	128	551253	52.903	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	183014	51.043	ug/L	99

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

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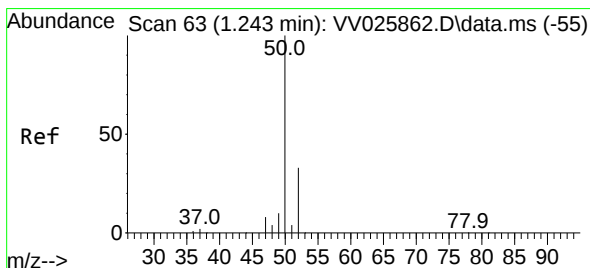
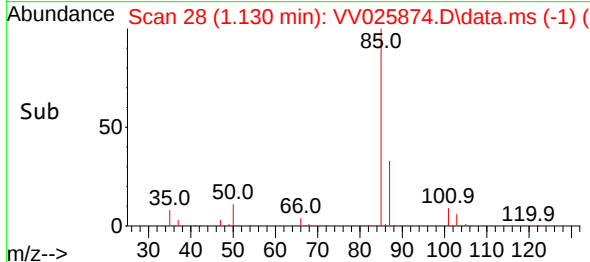
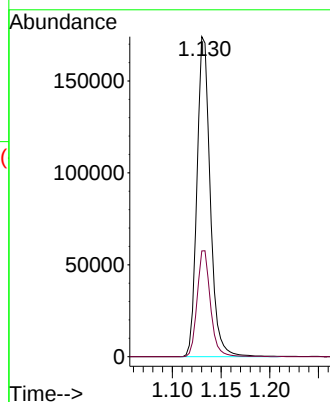
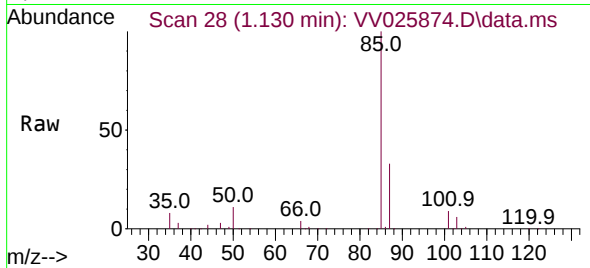




#2
 Dichlorodifluoromethane
 Concen: 47.015 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

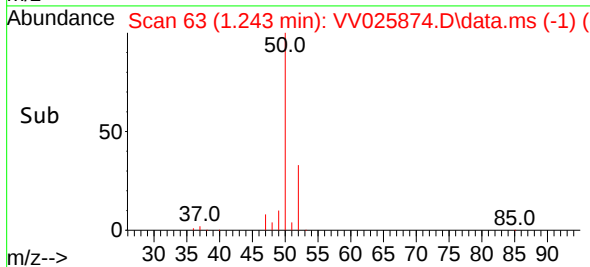
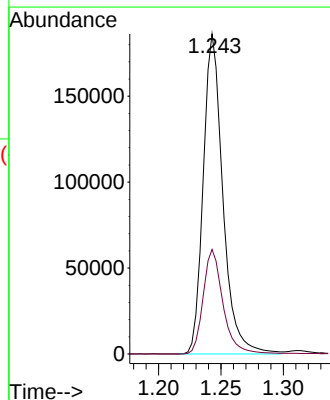
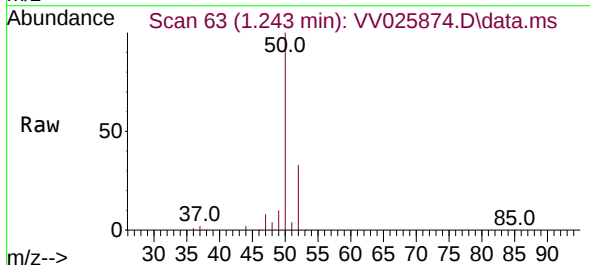
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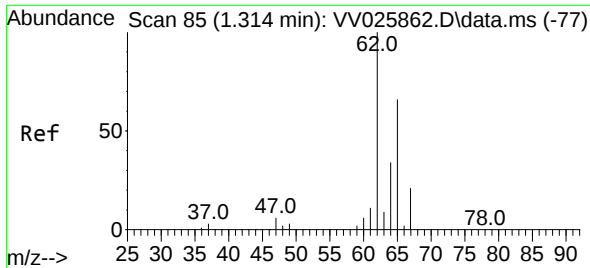
Tgt Ion: 85 Resp: 165533
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.0 39.0



#3
 Chloromethane
 Concen: 47.987 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

Tgt Ion: 50 Resp: 204337
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.2 43.2

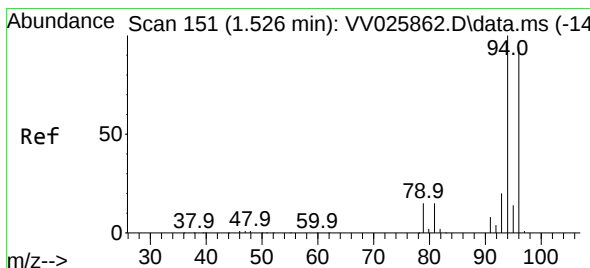
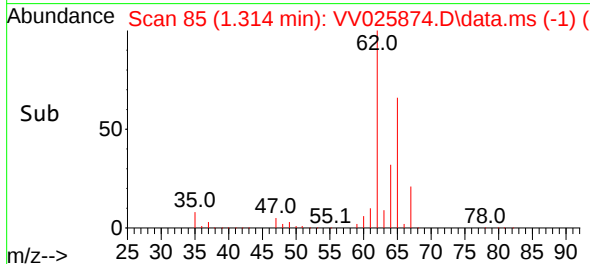
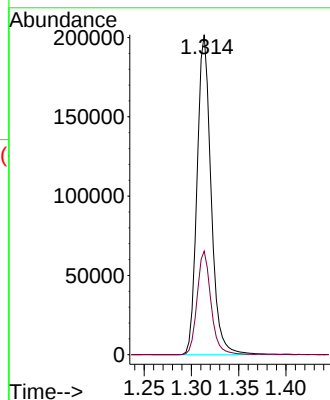
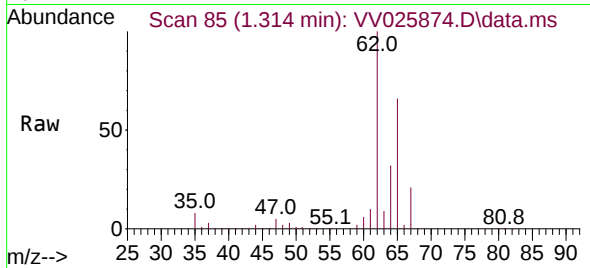




#5
 Vinyl chloride
 Concen: 48.036 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

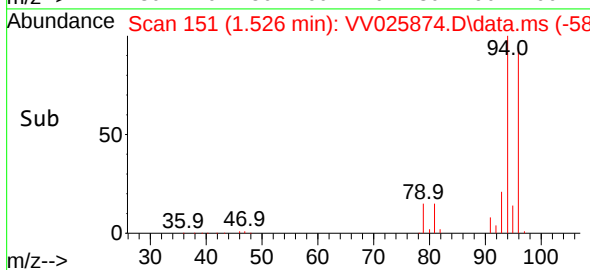
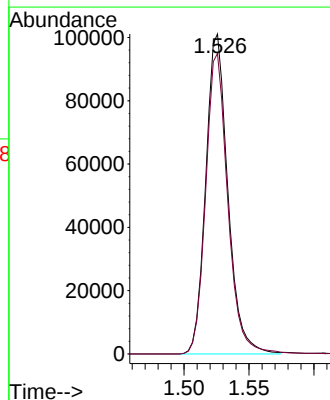
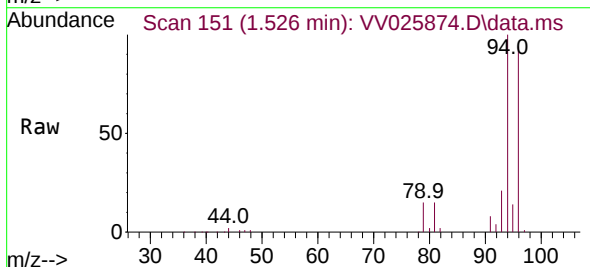
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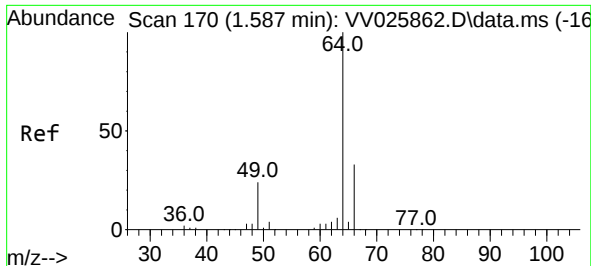
Tgt Ion: 62 Resp: 207954
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.0



#6
 Bromomethane
 Concen: 45.475 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

Tgt Ion: 94 Resp: 119625
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.9 122.3

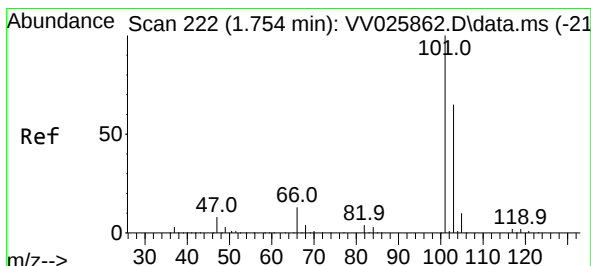
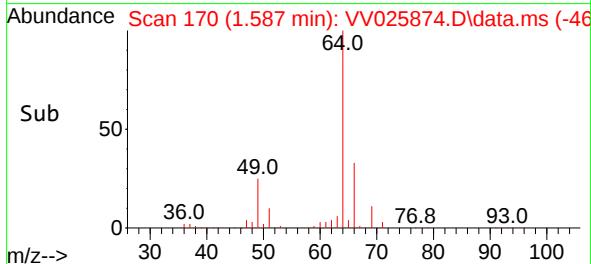
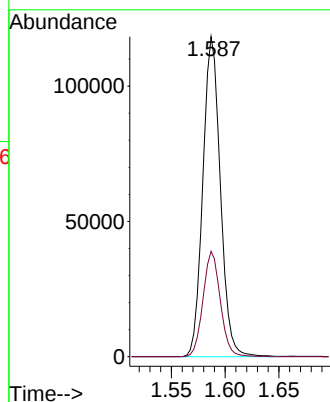
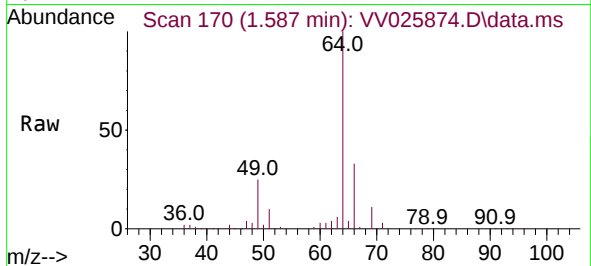




#8
Chloroethane
Concen: 41.380 ug/L
RT: 1.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

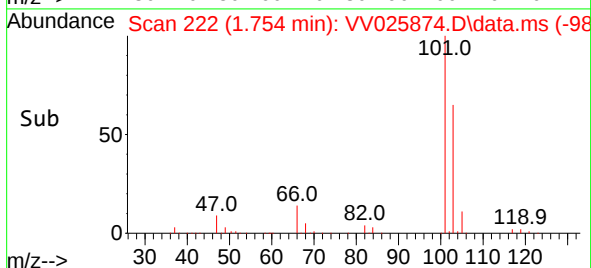
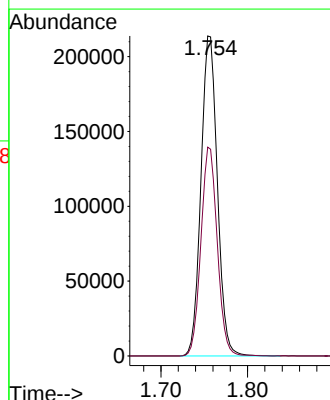
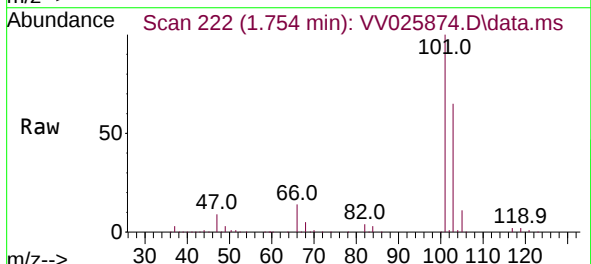
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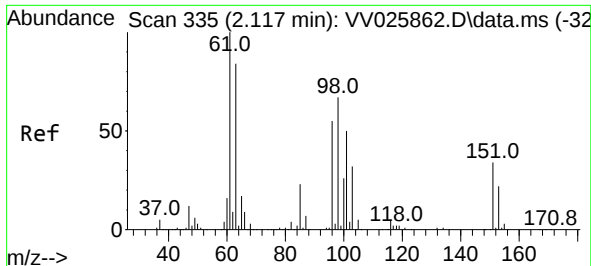
Tgt Ion: 64 Resp: 133784
Ion Ratio Lower Upper
64 100
66 32.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 45.689 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion:101 Resp: 281087
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

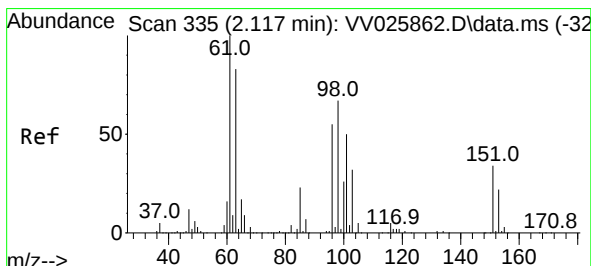
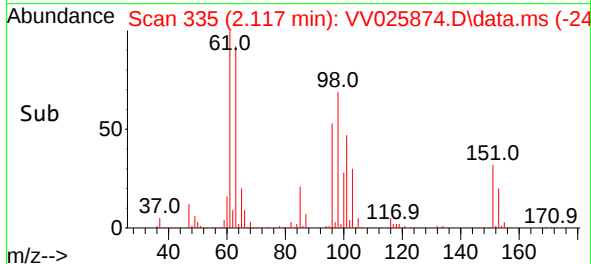
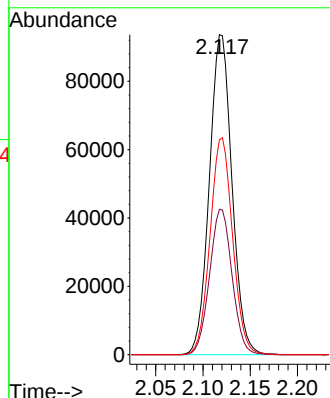
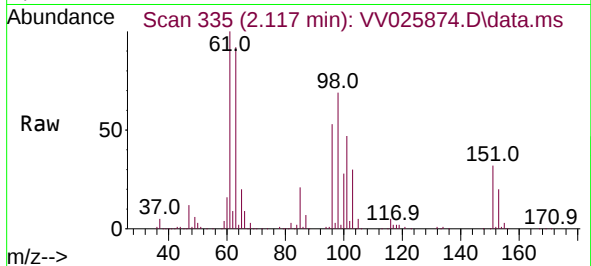




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.679 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

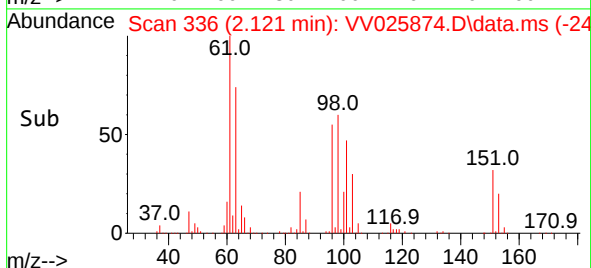
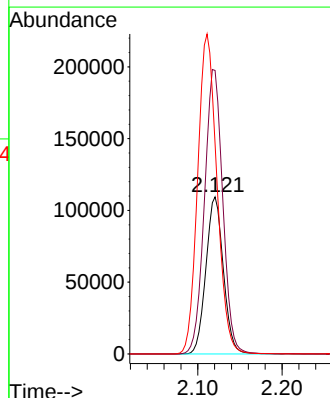
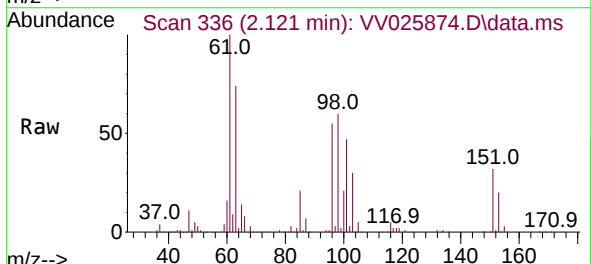
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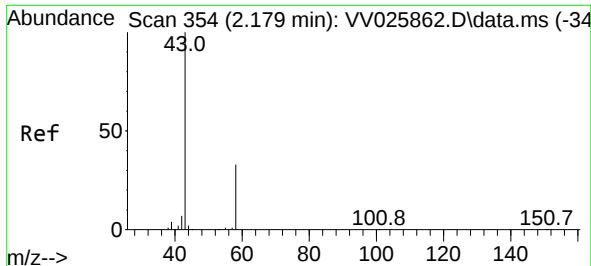
Tgt Ion:101 Resp: 155847
 Ion Ratio Lower Upper
 101 100
 85 45.2 34.6 51.8
 151 67.7 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 49.094 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

Tgt Ion: 96 Resp: 157830
 Ion Ratio Lower Upper
 96 100
 61 180.4 124.6 231.4
 63 133.6 101.6 188.6

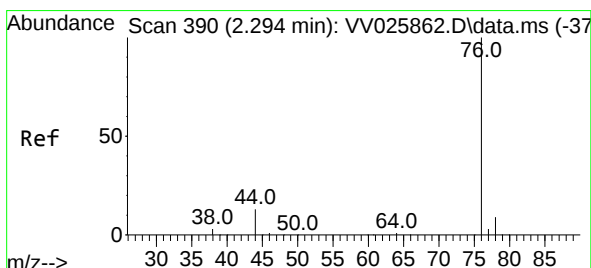
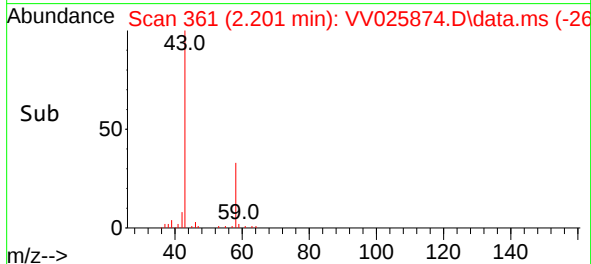
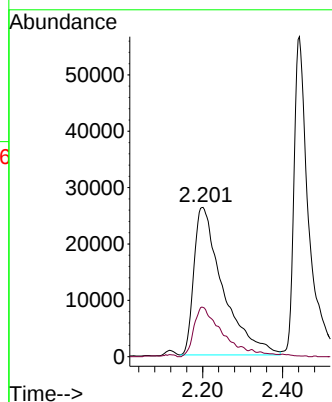
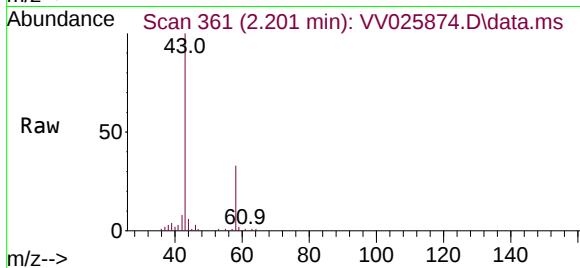




#13
Acetone
Concen: 102.731 ug/L
RT: 2.201 min Scan# 301
Delta R.T. 0.022 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

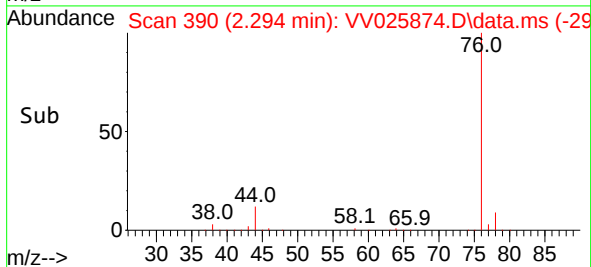
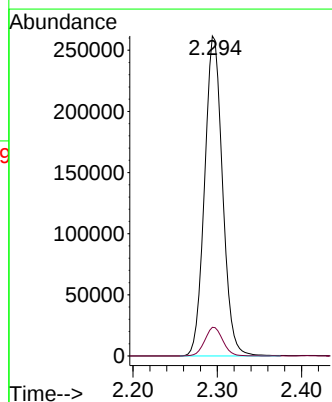
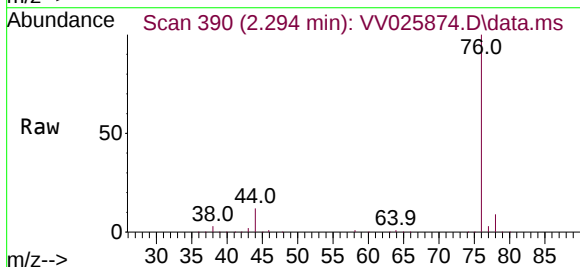
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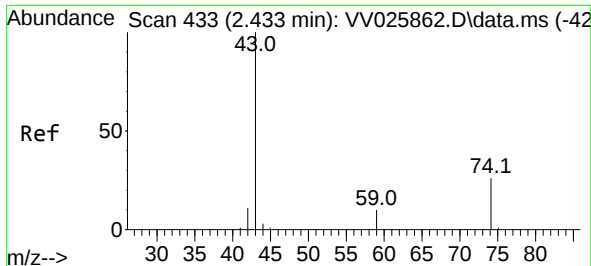
Tgt Ion: 43 Resp: 132057
Ion Ratio Lower Upper
43 100
58 29.7 0.0 65.0



#14
Carbon disulfide
Concen: 48.914 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV025874.D
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Tgt Ion: 76 Resp: 388959
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

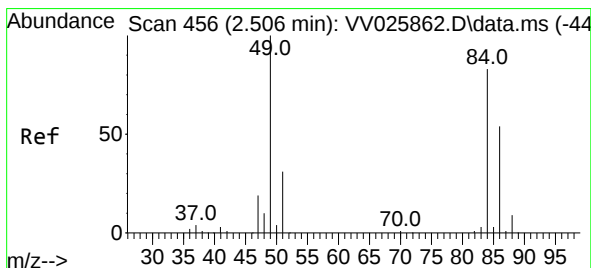
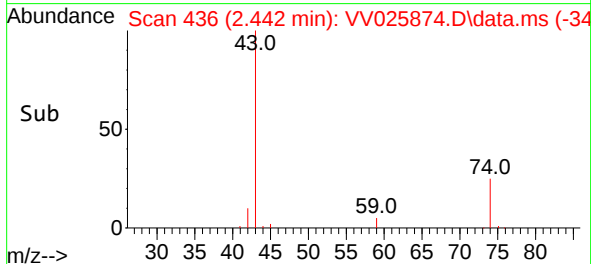
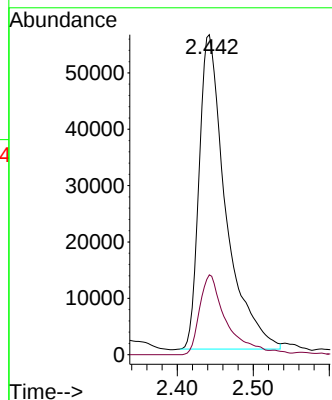
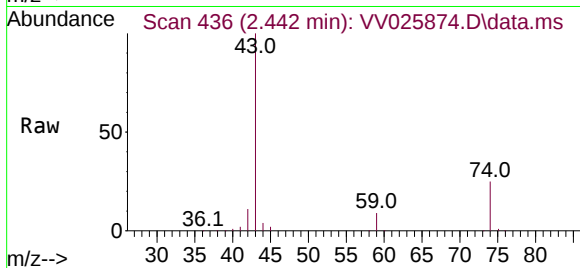




#15
Methyl Acetate
Concen: 49.255 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

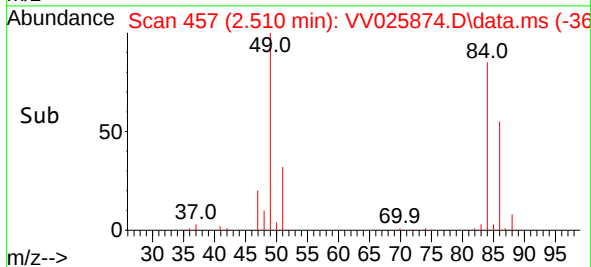
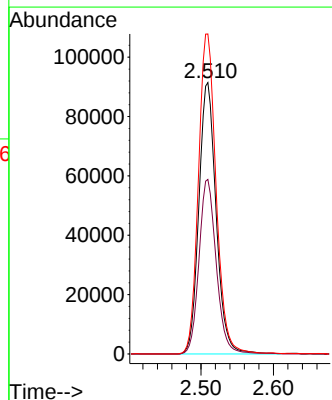
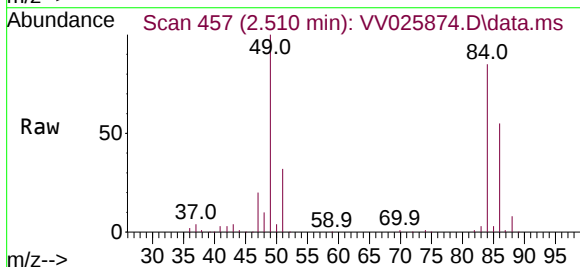
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

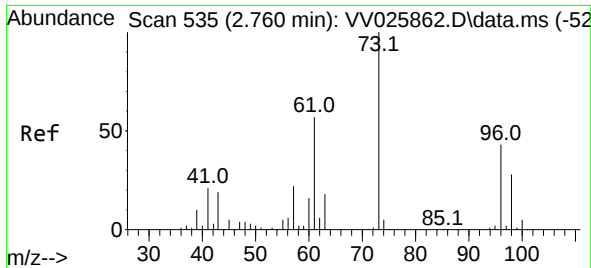
Tgt Ion: 43 Resp: 135648
Ion Ratio Lower Upper
43 100
74 25.2 20.7 31.1



#16
Methylene chloride
Concen: 48.621 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 84 Resp: 151405
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 117.9 82.7 153.5

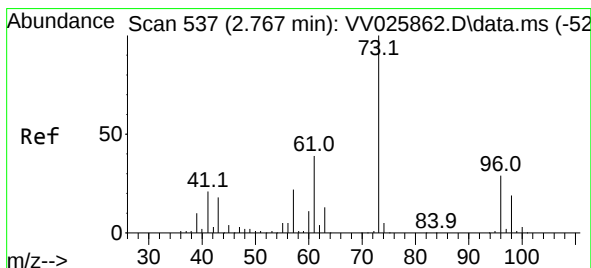
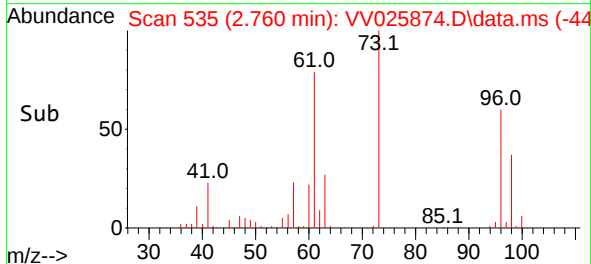
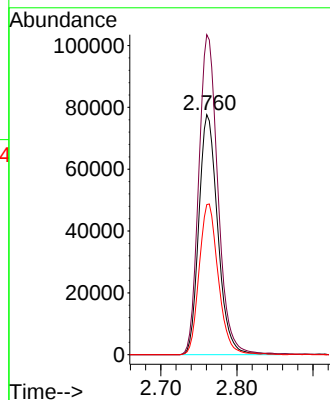
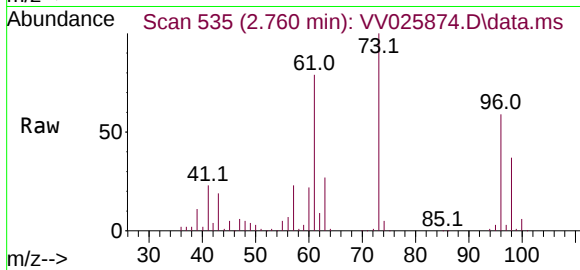




#17
trans-1,2-Dichloroethene
Concen: 48.588 ug/L
RT: 2.760 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

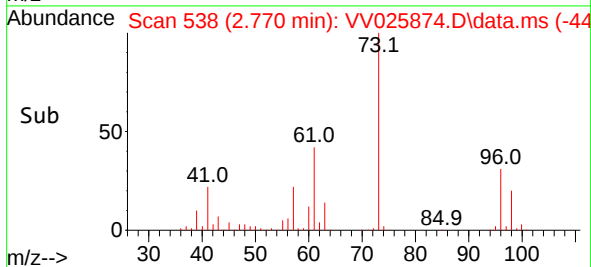
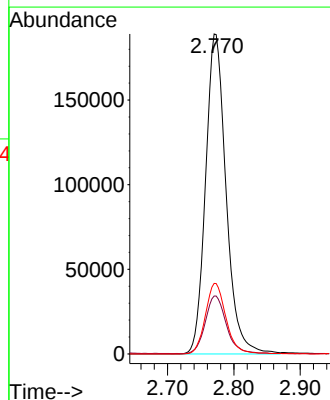
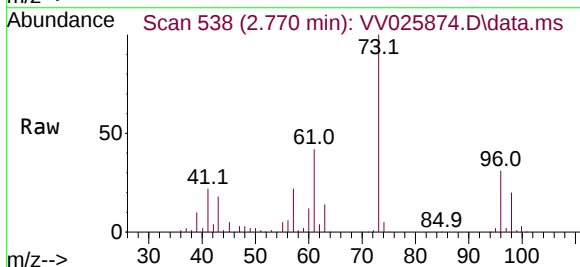
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

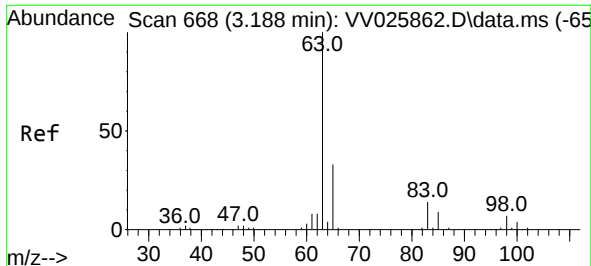
Tgt Ion: 96 Resp: 134201
Ion Ratio Lower Upper
96 100
61 133.3 92.7 172.1
98 62.5 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 50.542 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 73 Resp: 406006
Ion Ratio Lower Upper
73 100
43 18.4 14.6 22.0
57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 49.170 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050292

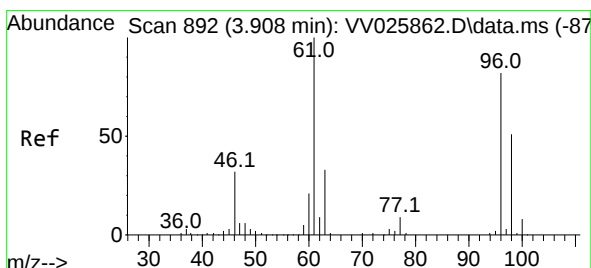
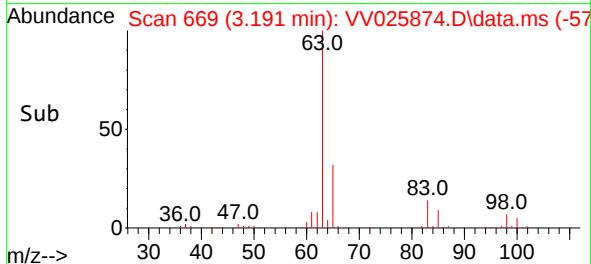
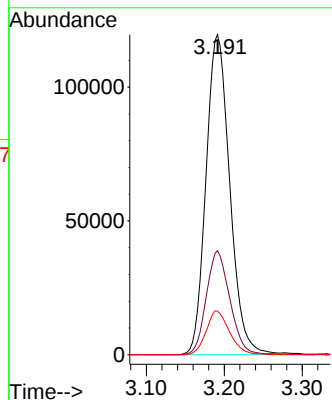
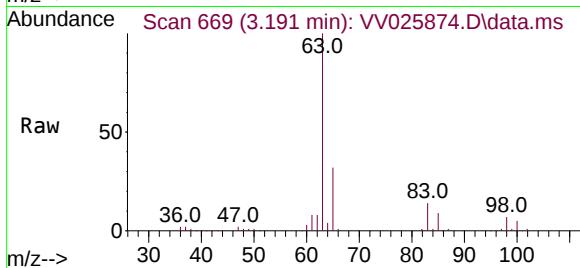
Tgt Ion: 63 Resp: 253666

Ion Ratio Lower Upper

63 100

65 32.5 22.0 40.8

83 13.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 47.296 ug/L

RT: 3.911 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

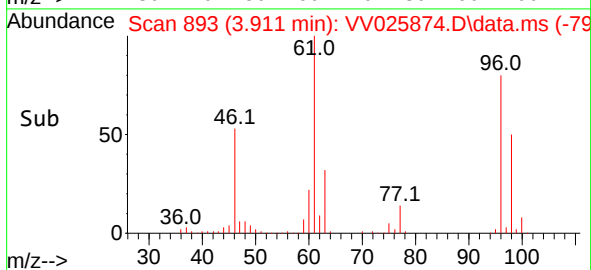
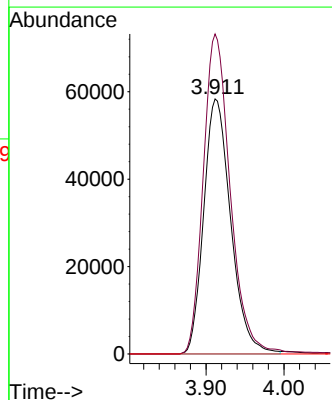
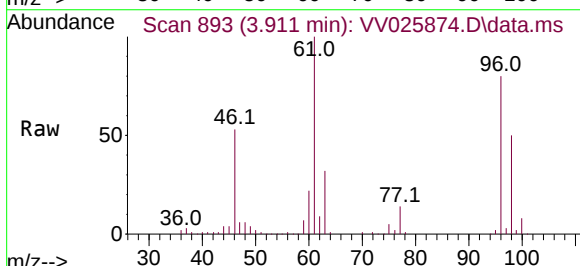
Tgt Ion: 96 Resp: 141007

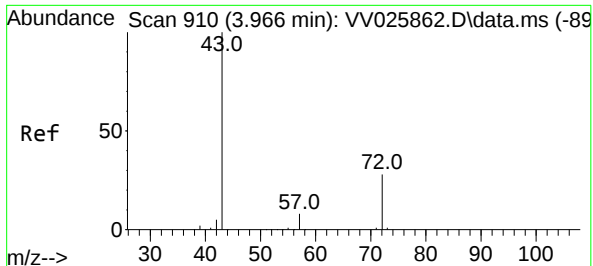
Ion Ratio Lower Upper

96 100

61 125.4 86.0 159.6

68 0.0 0.0 0.0

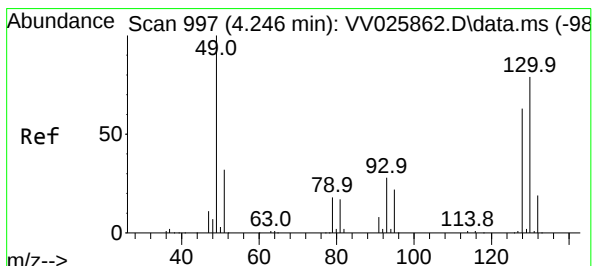
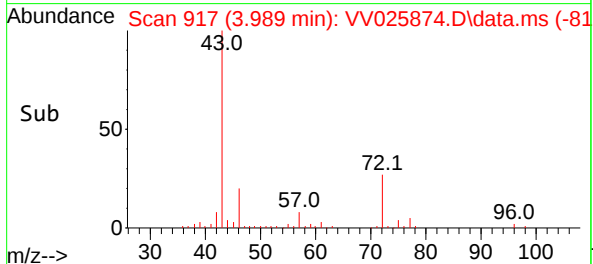
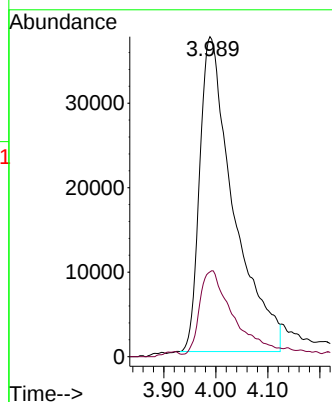
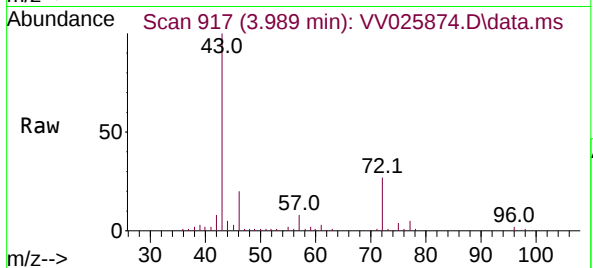




#22
2-Butanone
Concen: 98.308 ug/L
RT: 3.989 min Scan# 917
Delta R.T. 0.022 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

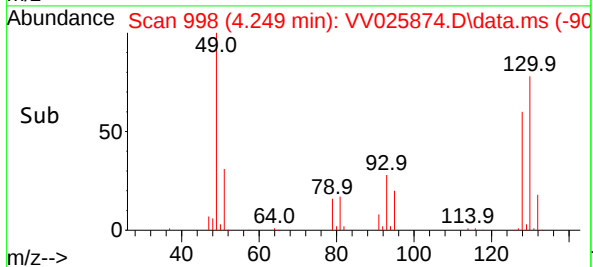
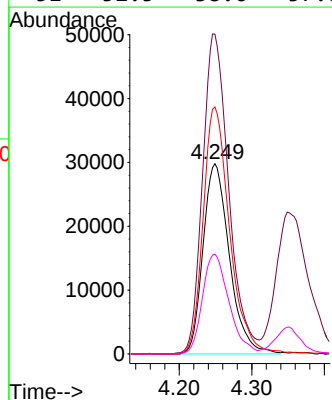
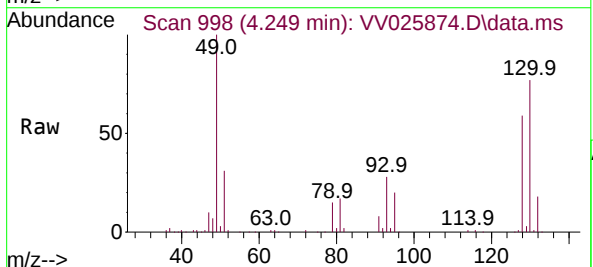
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

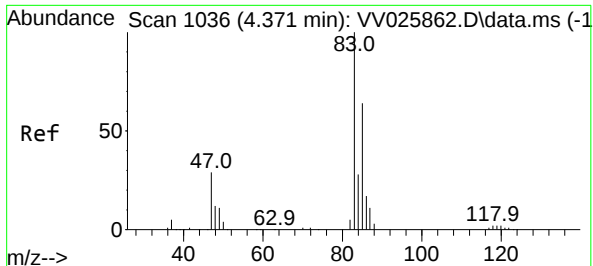
Tgt Ion: 43 Resp: 168528
Ion Ratio Lower Upper
43 100
72 26.3 13.8 41.4



#23
Bromochloromethane
Concen: 47.725 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 128 Resp: 75155
Ion Ratio Lower Upper
128 100
49 168.1 111.0 206.2
130 129.9 87.1 161.7
51 52.5 38.6 57.8





#25

Chloroform

Concen: 47.696 ug/L

RT: 4.374 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

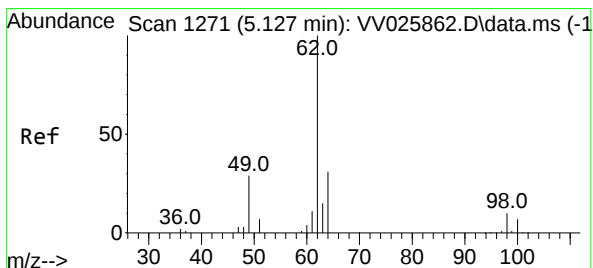
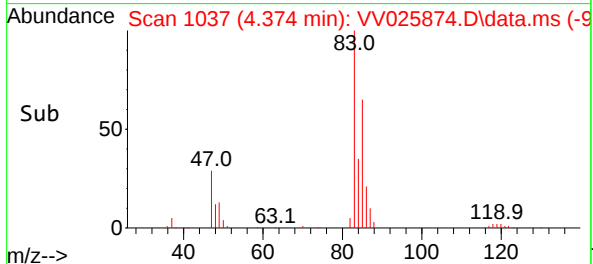
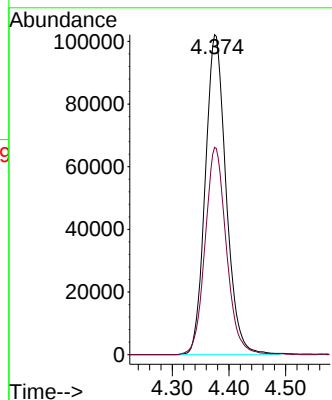
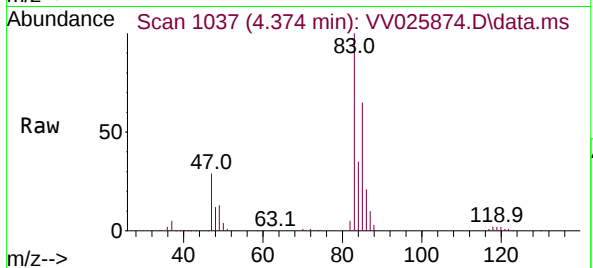
VSTD050292

Tgt Ion: 83 Resp: 260746

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3



#27

1,2-Dichloroethane

Concen: 48.203 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV025874.D

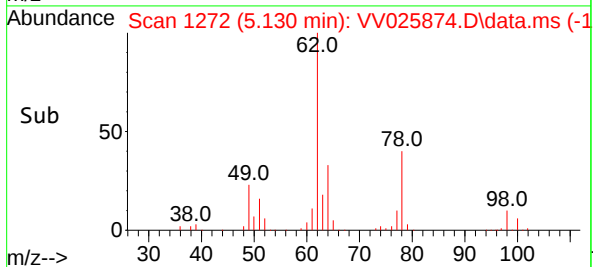
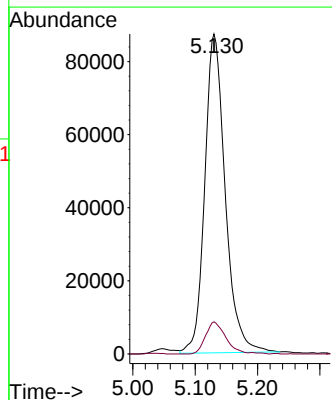
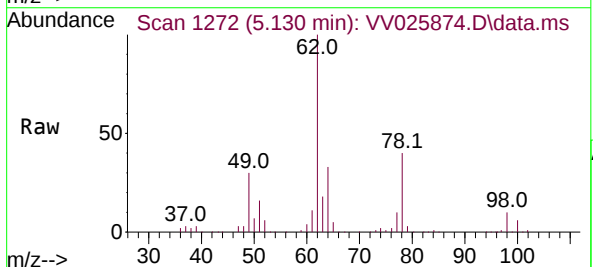
Acq: 10 May 2022 20:43

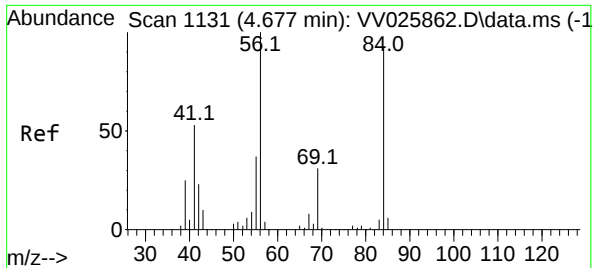
Tgt Ion: 62 Resp: 199232

Ion Ratio Lower Upper

62 100

98 10.1 7.7 11.5

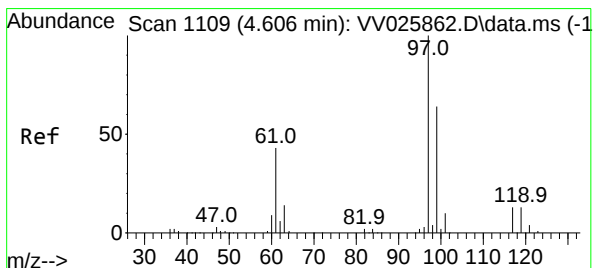
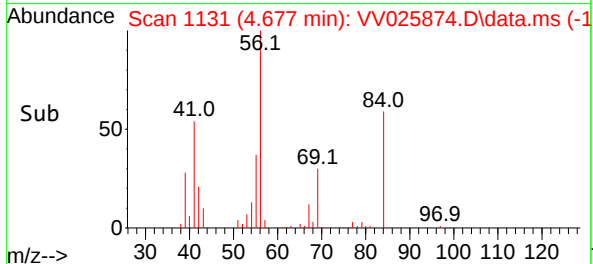
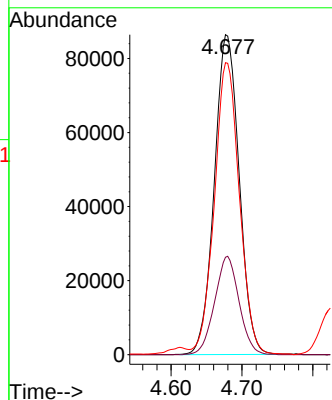
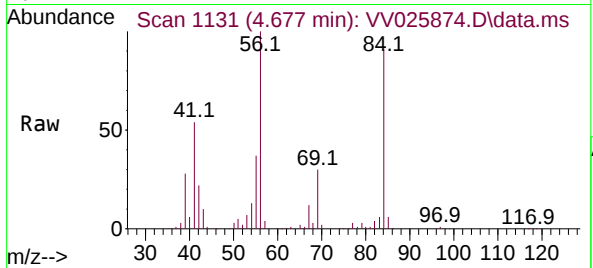




#29
Cyclohexane
Concen: 50.795 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

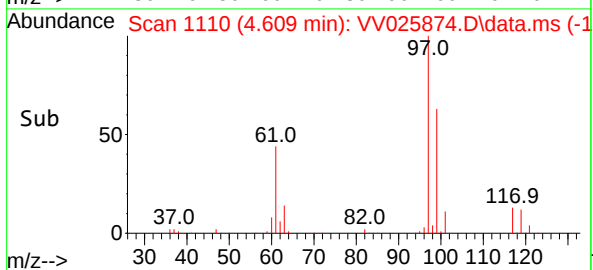
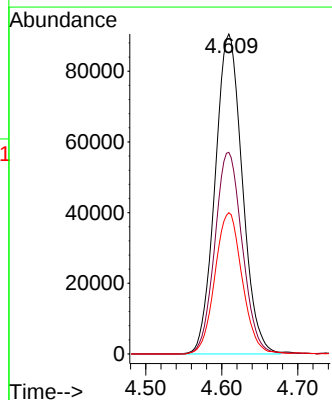
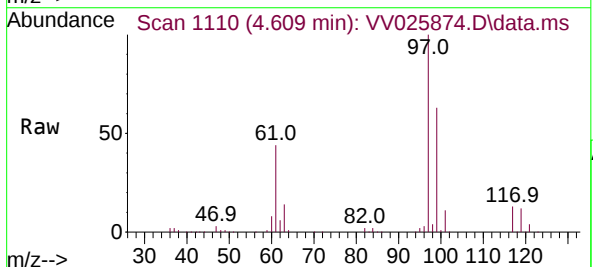
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

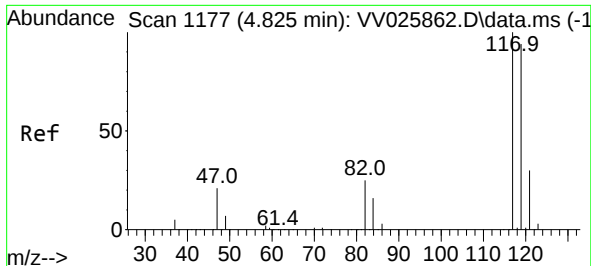
Tgt Ion: 56 Resp: 210513
Ion Ratio Lower Upper
56 100
69 30.2 24.8 37.2
84 92.0 73.8 110.8



#30
1,1,1-Trichloroethane
Concen: 48.449 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 97 Resp: 225245
Ion Ratio Lower Upper
97 100
99 63.7 52.6 78.8
61 44.0 35.6 53.4

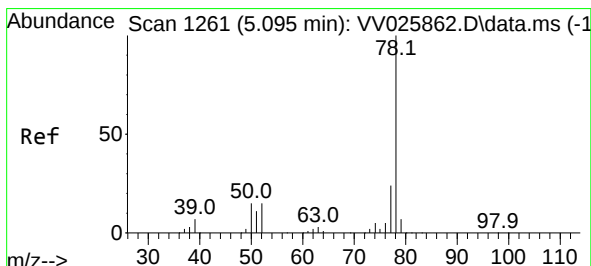
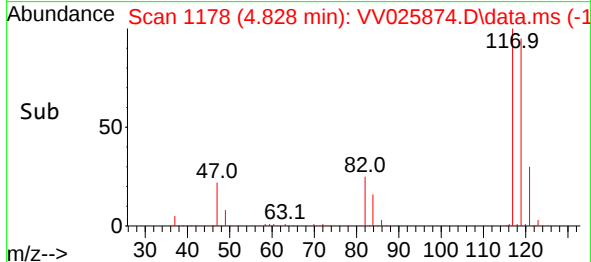
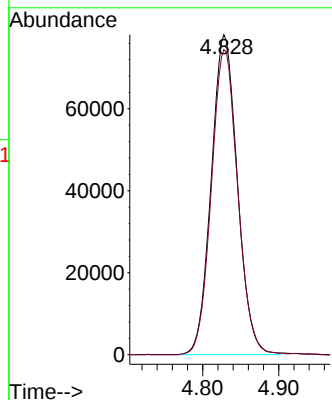
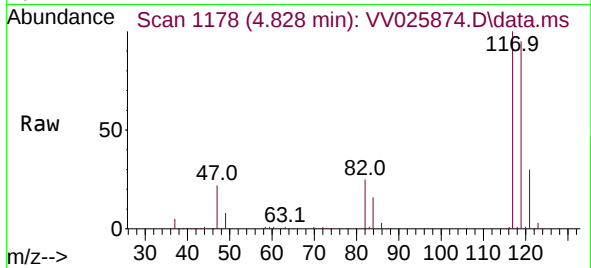




#31
Carbon tetrachloride
Concen: 47.691 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

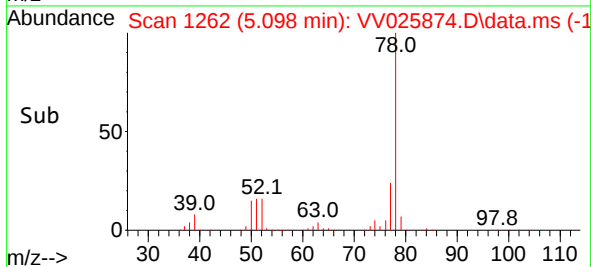
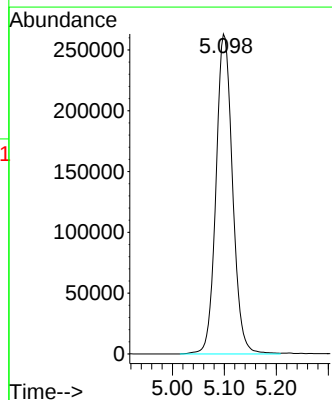
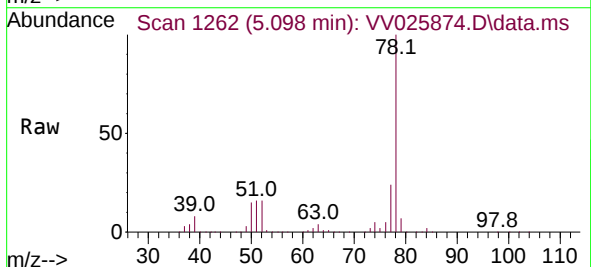
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

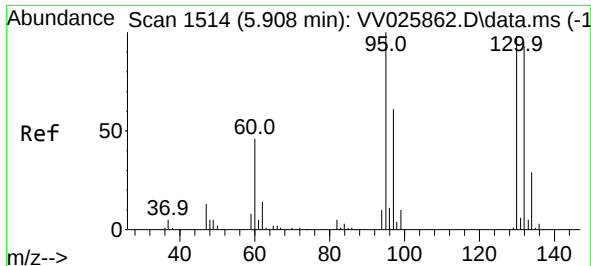
Tgt Ion:117 Resp: 186146
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3



#33
Benzene
Concen: 50.579 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 78 Resp: 582999

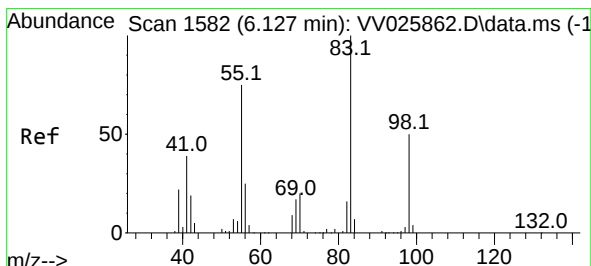
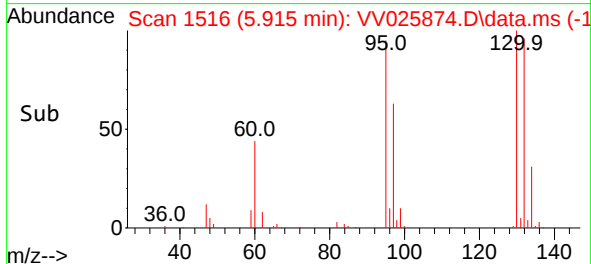
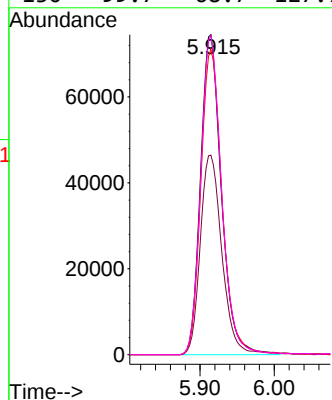
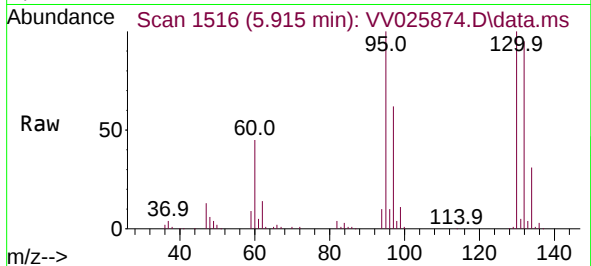




#34
Trichloroethene
Concen: 48.263 ug/L
RT: 5.915 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

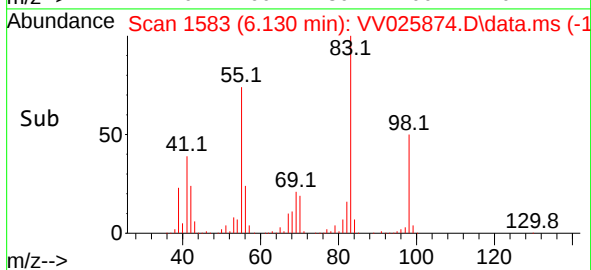
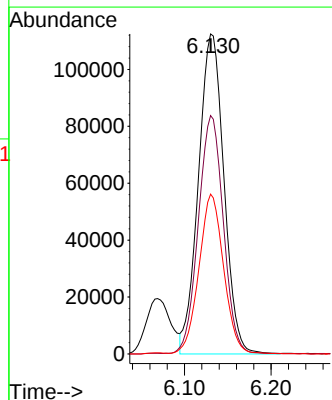
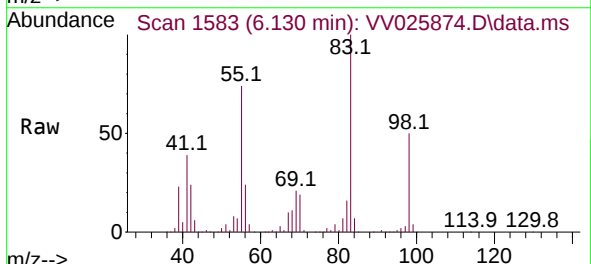
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

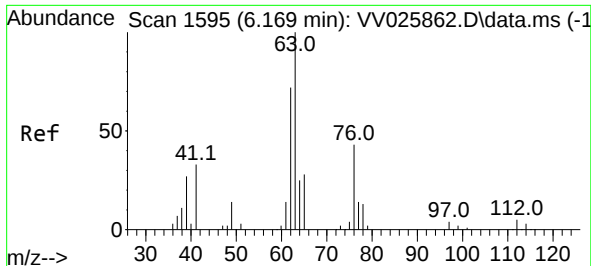
Tgt Ion: 95 Resp: 145503
Ion Ratio Lower Upper
95 100
97 62.3 44.2 82.0
132 95.4 67.7 125.7
130 99.7 68.7 127.7



#35
Methylcyclohexane
Concen: 51.034 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 83 Resp: 230432
Ion Ratio Lower Upper
83 100
55 73.0 58.6 87.8
98 48.3 39.1 58.7





#37

1,2-Dichloropropane

Concen: 51.354 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

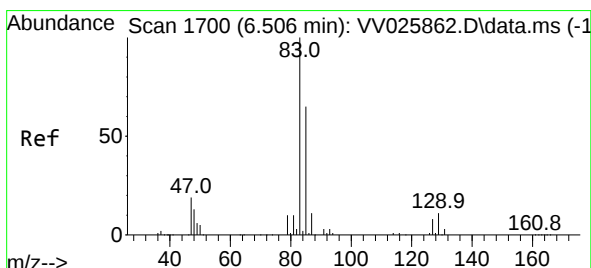
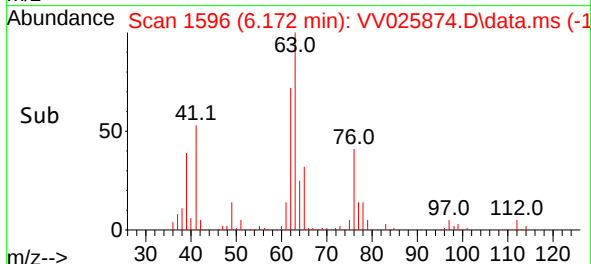
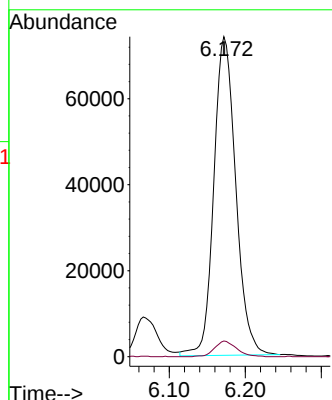
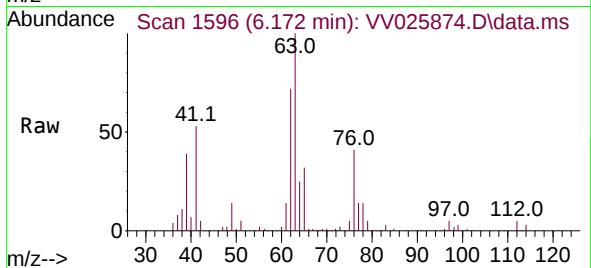
VSTD050292

Tgt Ion: 63 Resp: 148696

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 47.960 ug/L

RT: 6.509 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

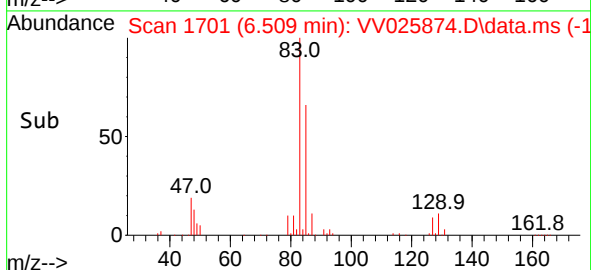
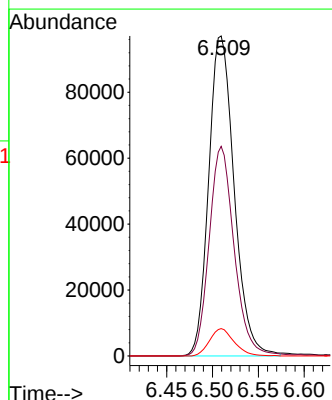
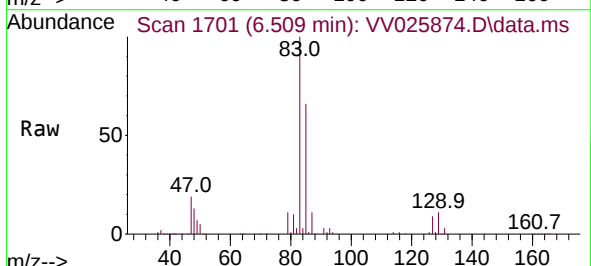
Tgt Ion: 83 Resp: 187789

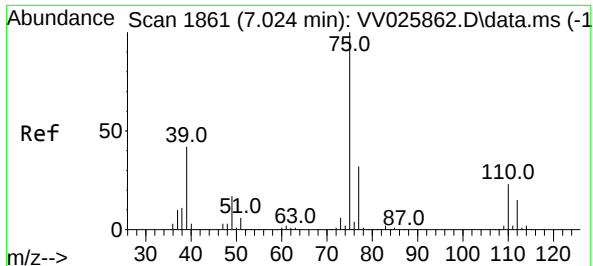
Ion Ratio Lower Upper

83 100

85 65.5 46.0 85.4

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 49.743 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

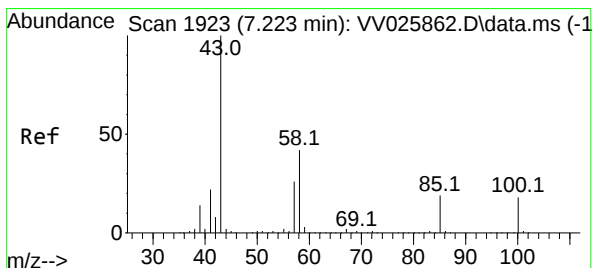
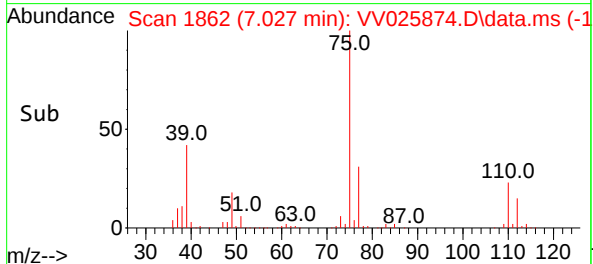
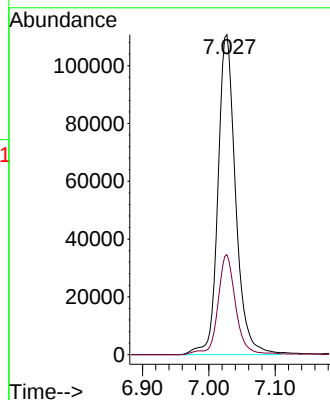
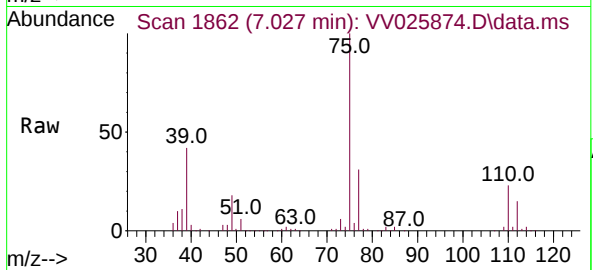
VSTD050292

Tgt Ion: 75 Resp: 205394

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 108.873 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

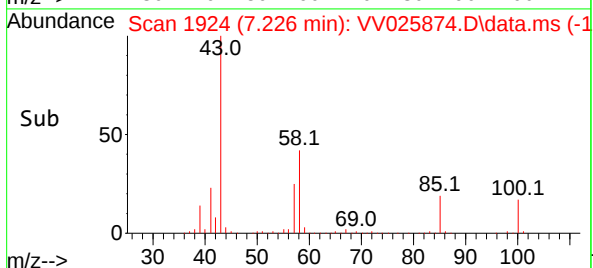
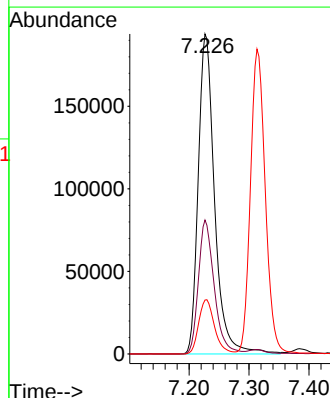
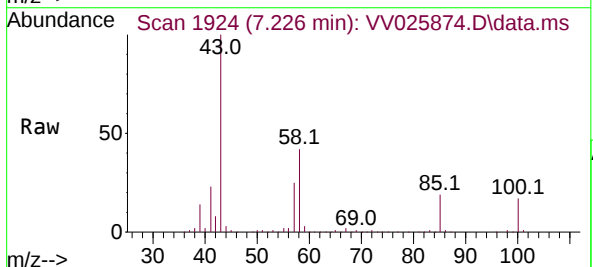
Tgt Ion: 43 Resp: 368490

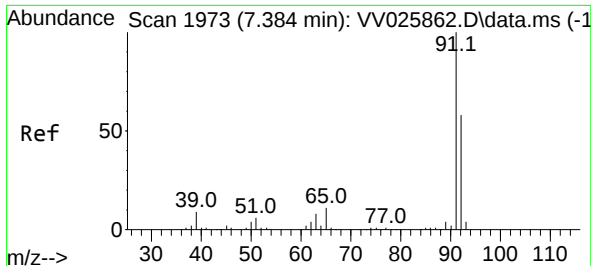
Ion Ratio Lower Upper

43 100

58 40.5 32.9 49.3

100 16.4 13.7 20.5





#42

Toluene

Concen: 50.577 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

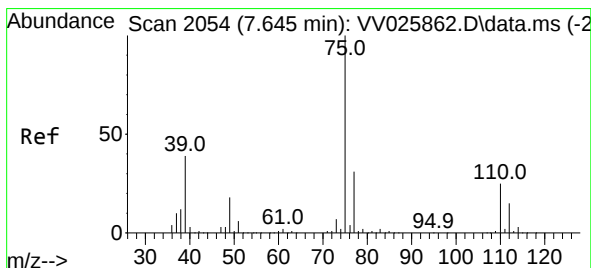
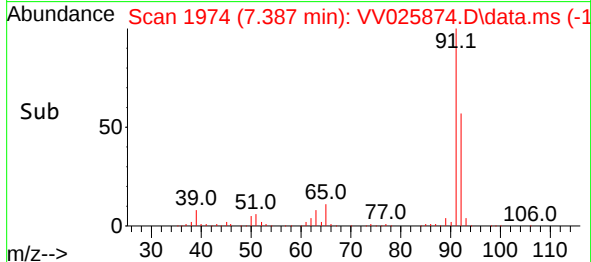
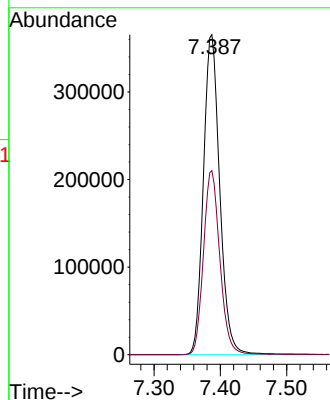
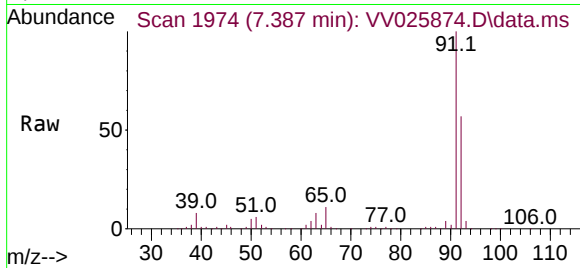
VSTD050292

Tgt Ion: 91 Resp: 625392

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 48.877 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.006 min

Lab File: VV025874.D

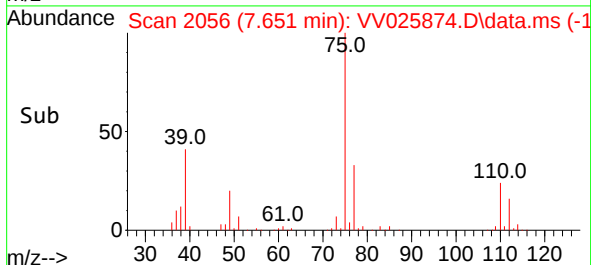
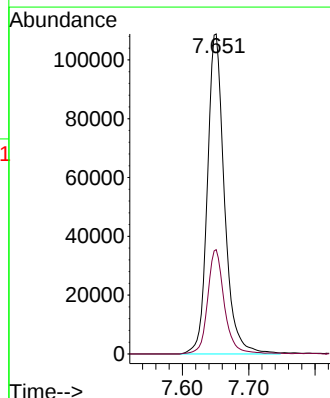
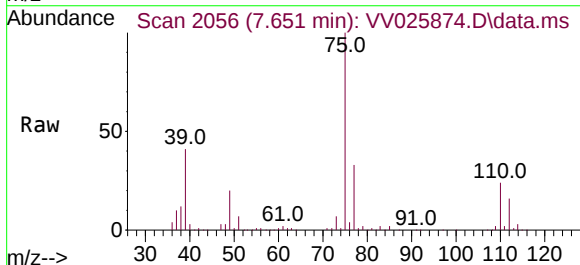
Acq: 10 May 2022 20:43

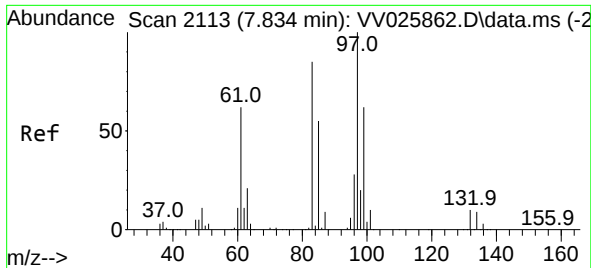
Tgt Ion: 75 Resp: 194161

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 48.934 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050292

Tgt Ion: 97 Resp: 143966

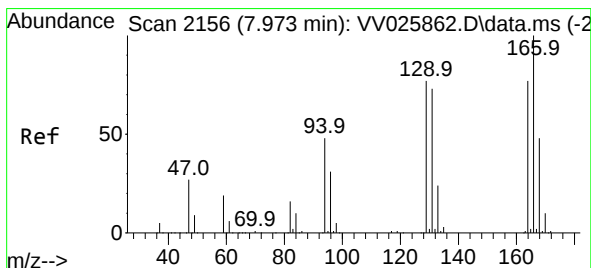
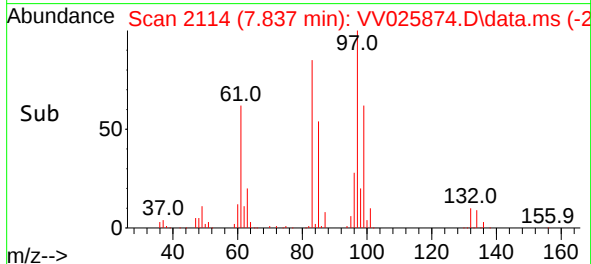
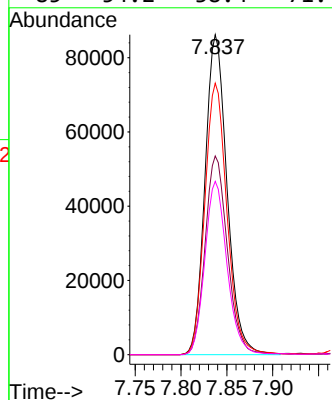
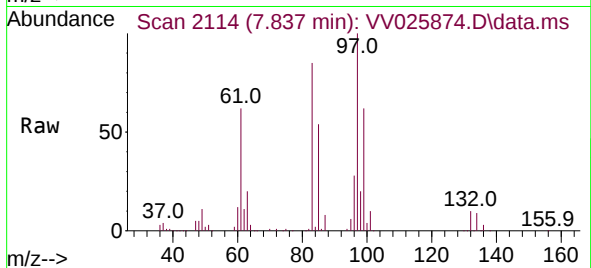
Ion Ratio Lower Upper

97 100

99 62.1 42.6 79.0

83 84.8 59.7 110.9

85 54.2 38.4 71.4



#46

Tetrachloroethene

Concen: 48.632 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Tgt Ion: 164 Resp: 108151

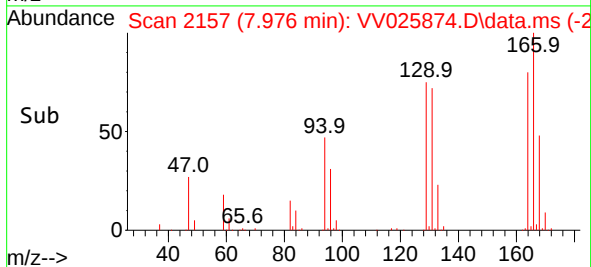
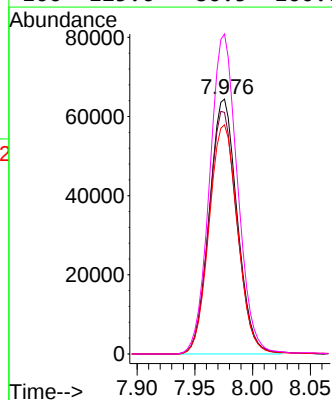
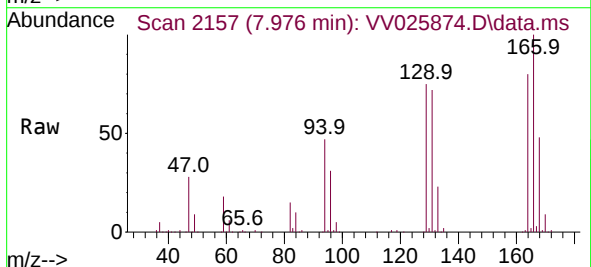
Ion Ratio Lower Upper

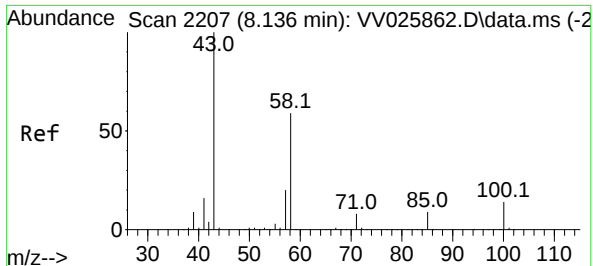
164 100

129 94.8 66.8 124.2

131 89.9 66.7 123.9

166 125.6 86.5 160.7

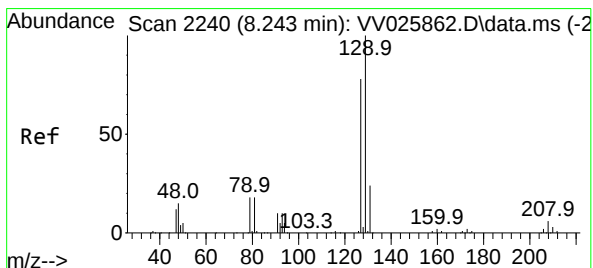
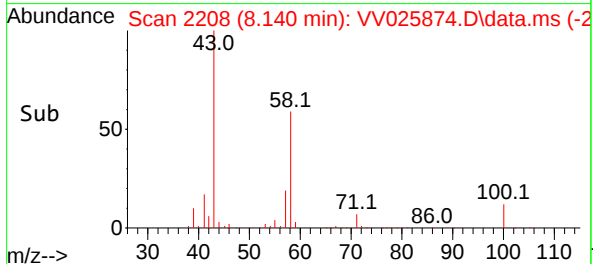
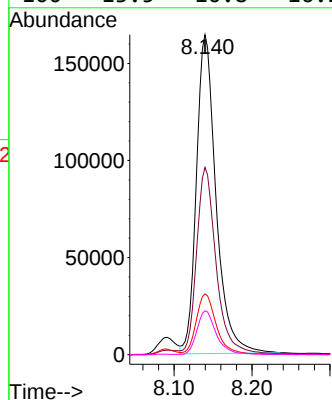
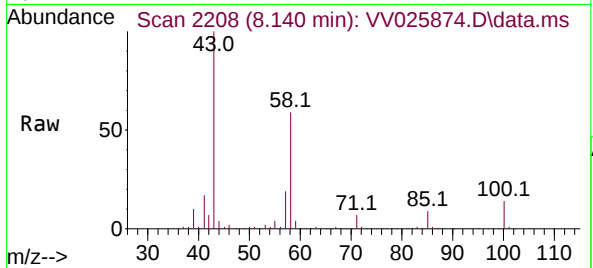




#48
2-Hexanone
Concen: 109.354 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

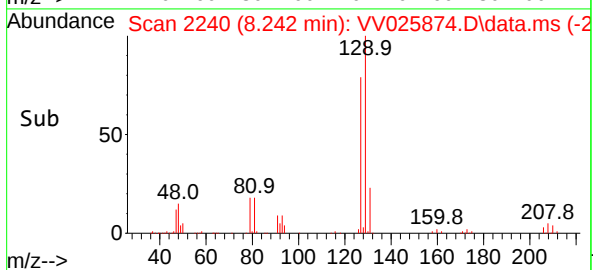
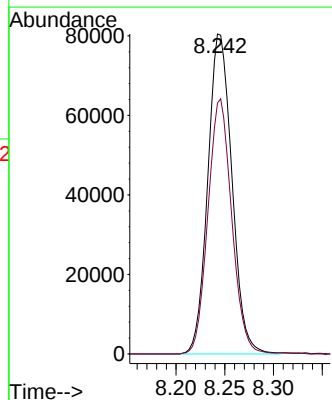
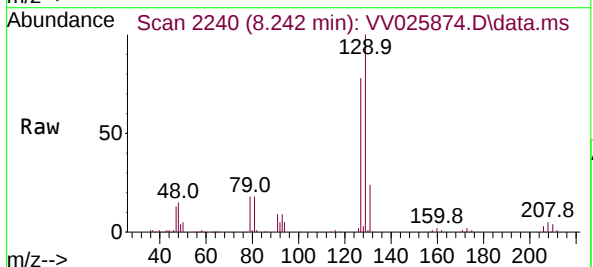
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

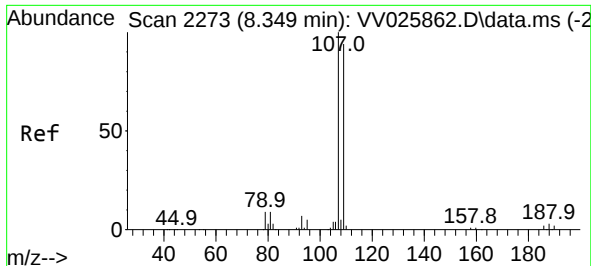
Tgt Ion: 43 Resp: 287978
Ion Ratio Lower Upper
43 100
58 58.0 45.9 68.9
57 19.0 15.4 23.2
100 13.5 10.8 16.2



#49
Dibromochloromethane
Concen: 47.736 ug/L
RT: 8.242 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 129 Resp: 138529
Ion Ratio Lower Upper
129 100
127 78.4 53.5 99.5





#50

1,2-Dibromoethane

Concen: 49.232 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050292

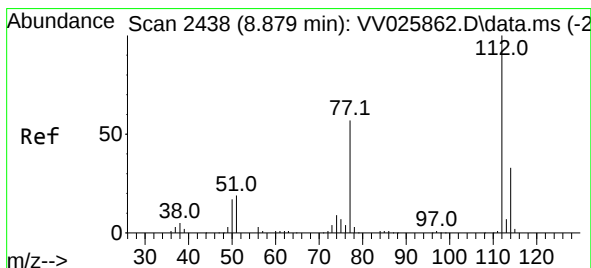
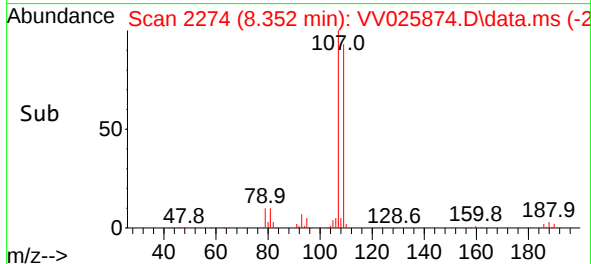
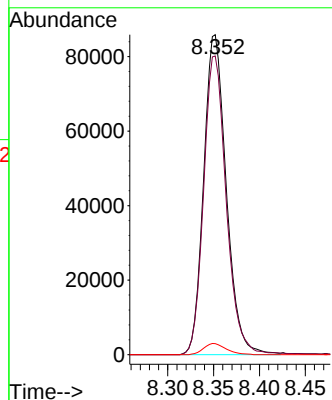
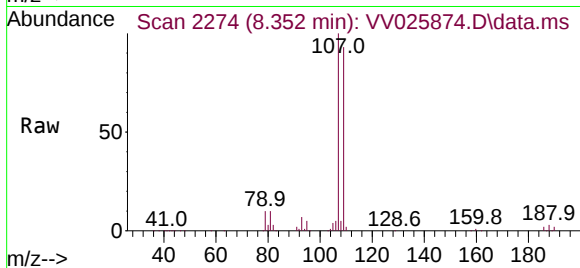
Tgt Ion:107 Resp: 147295

Ion Ratio Lower Upper

107 100

109 93.3 64.1 119.1

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 48.979 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

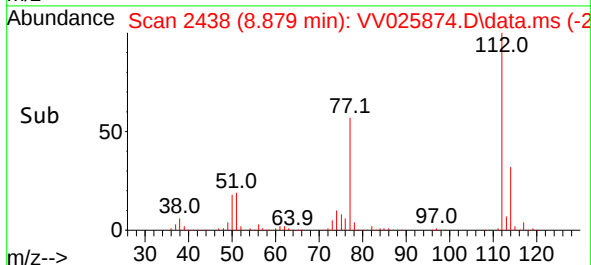
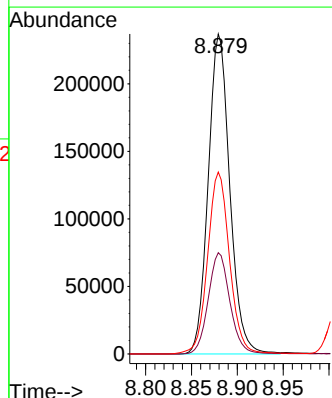
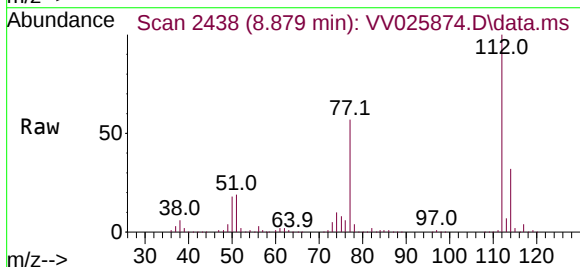
Tgt Ion:112 Resp: 387820

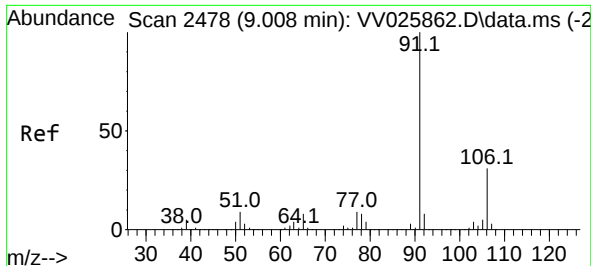
Ion Ratio Lower Upper

112 100

114 31.6 22.0 40.8

77 56.8 45.3 67.9

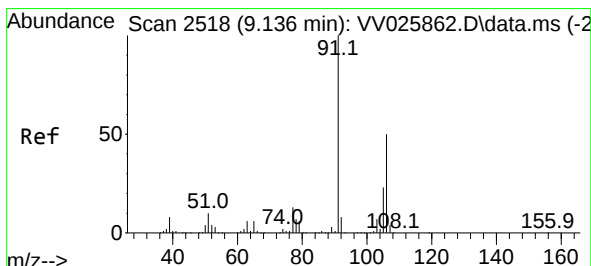
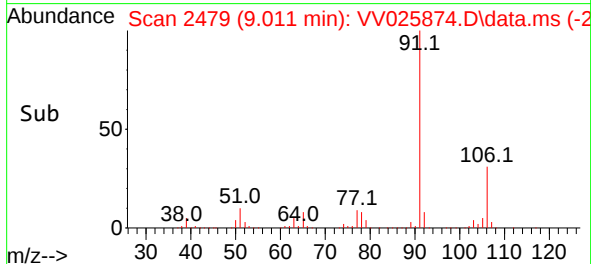
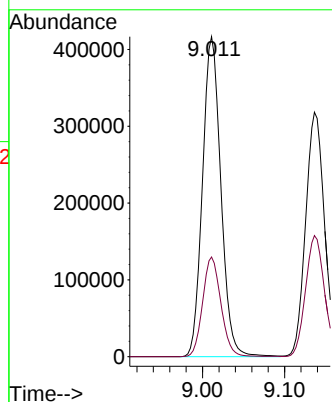
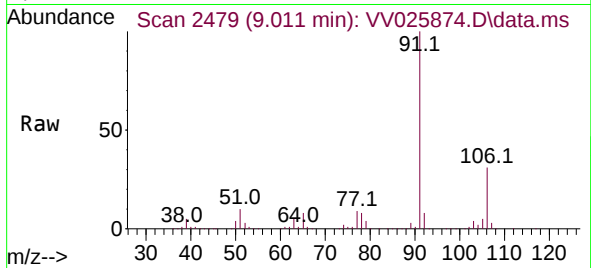




#52
Ethylbenzene
Concen: 50.842 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

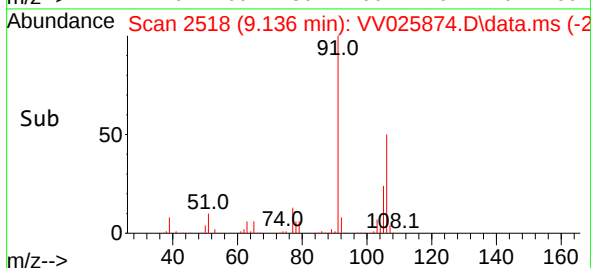
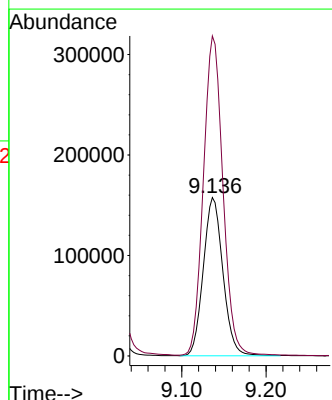
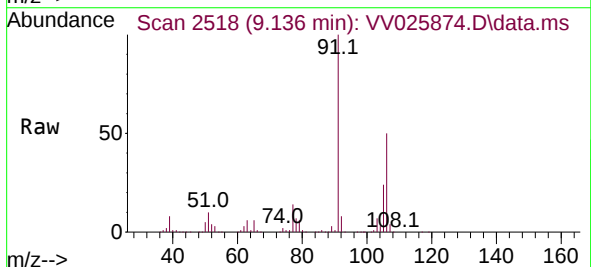
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

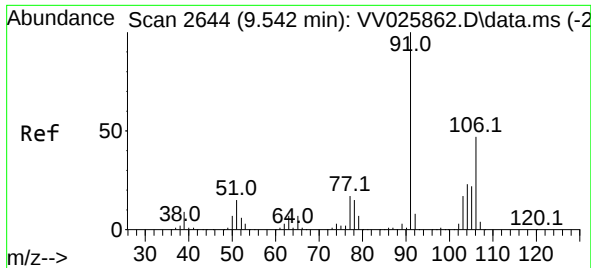
Tgt Ion: 91 Resp: 648597
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 51.525 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 106 Resp: 254951
Ion Ratio Lower Upper
106 100
91 201.9 142.0 263.6

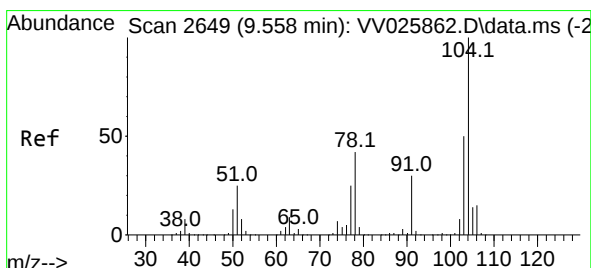
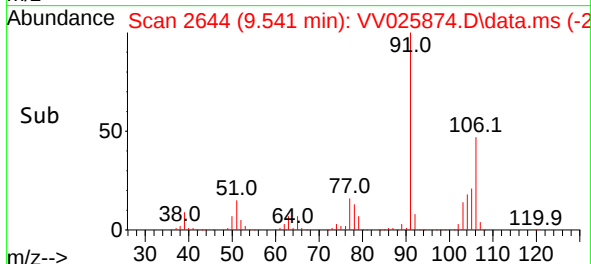
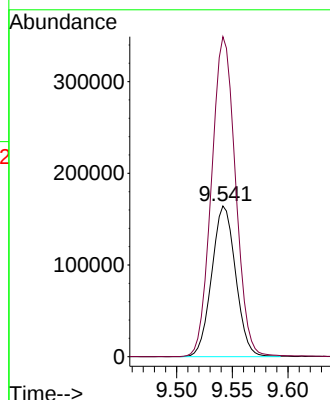
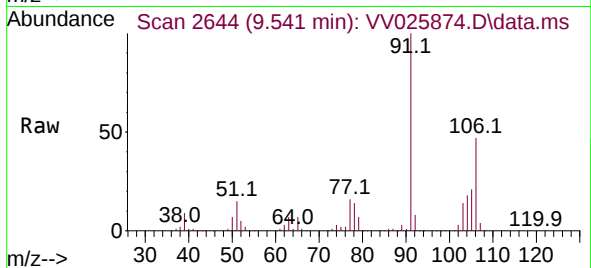




#54
o-Xylene
Concen: 50.456 ug/L
RT: 9.541 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

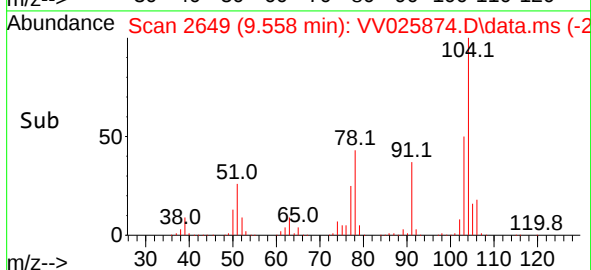
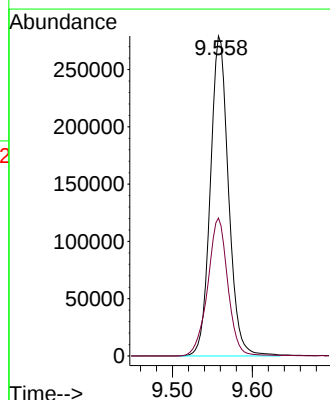
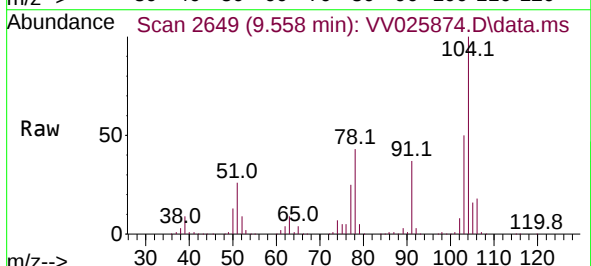
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

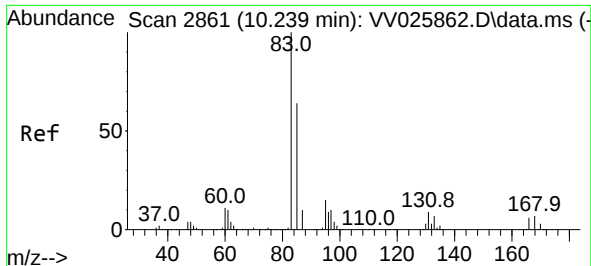
Tgt Ion:106 Resp: 245250
Ion Ratio Lower Upper
106 100
91 212.3 147.4 273.8



#55
Styrene
Concen: 52.142 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion:104 Resp: 441612
Ion Ratio Lower Upper
104 100
78 43.1 29.8 55.3





#57

1,1,2,2-Tetrachloroethane

Concen: 49.707 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050292

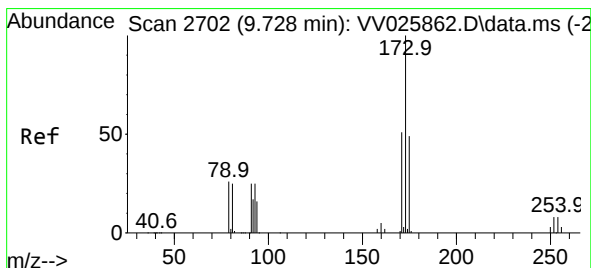
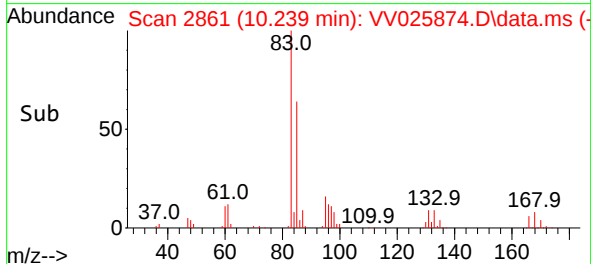
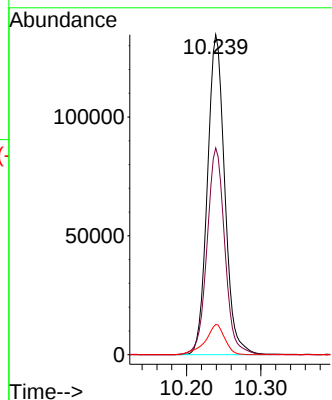
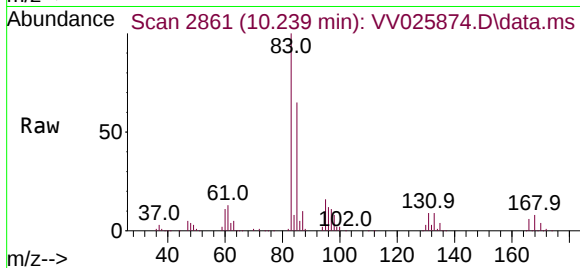
Tgt Ion: 83 Resp: 218195

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9

131 9.5 7.5 11.3



#59

Bromoform

Concen: 48.180 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

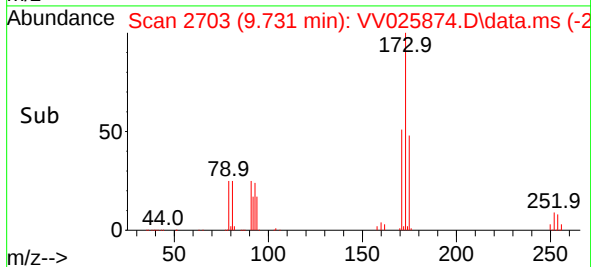
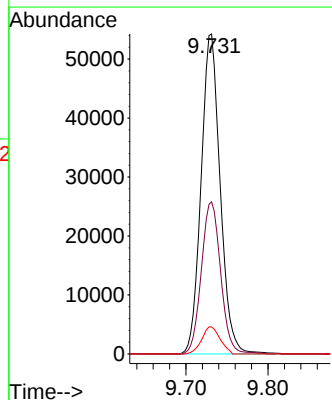
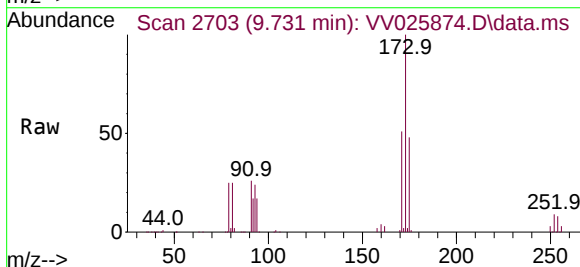
Tgt Ion: 173 Resp: 87719

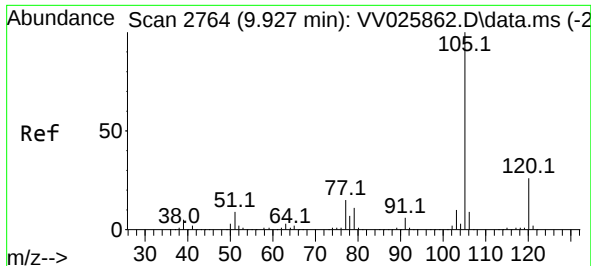
Ion Ratio Lower Upper

173 100

175 47.9 38.1 57.1

254 8.2 7.0 10.6

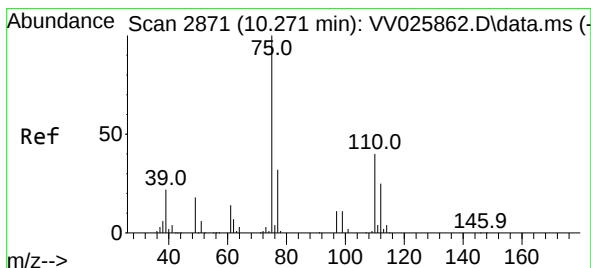
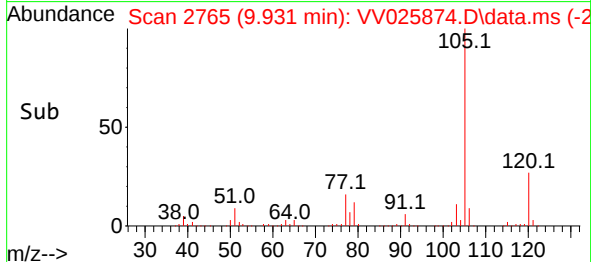
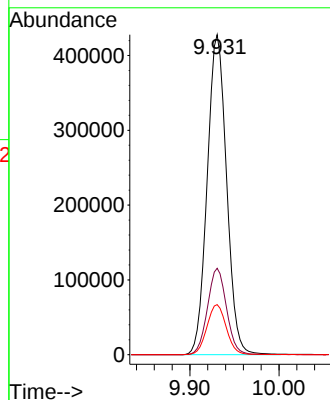
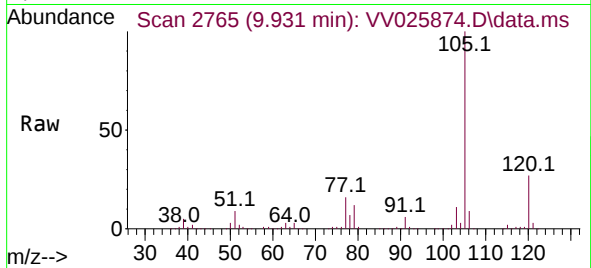




#60
Isopropylbenzene
Concen: 51.059 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

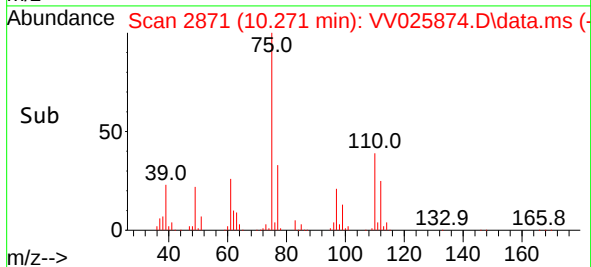
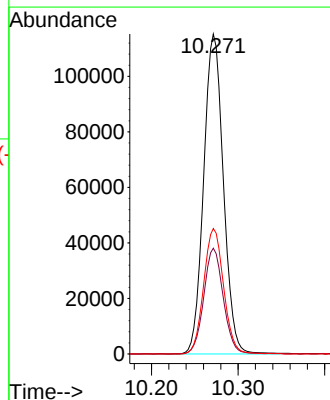
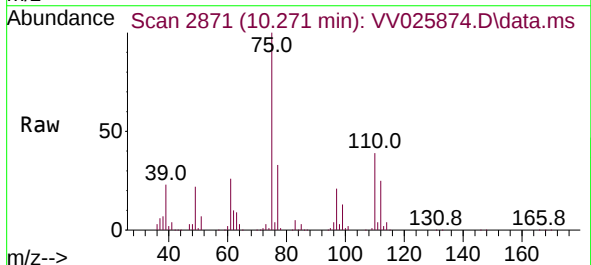
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

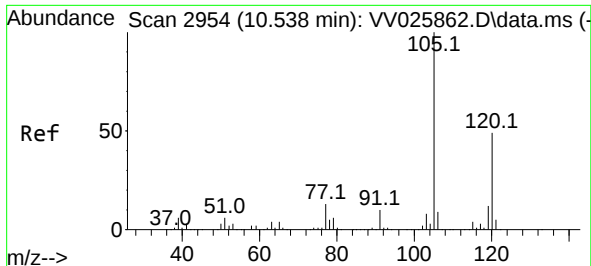
Tgt Ion:105 Resp: 645505
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 48.797 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion: 75 Resp: 182295
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9
110 39.5 32.3 48.5

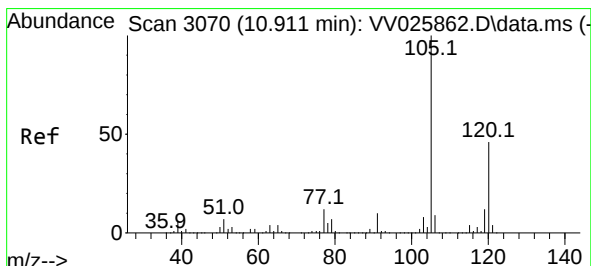
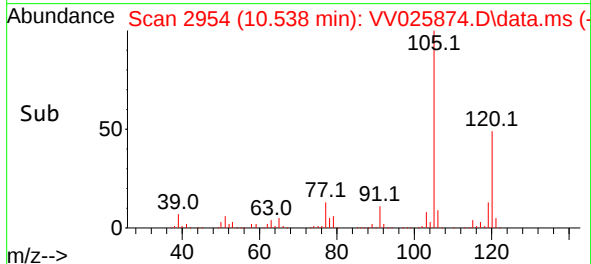
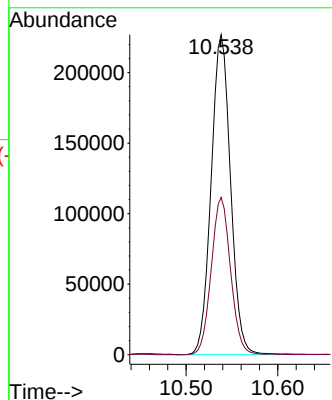
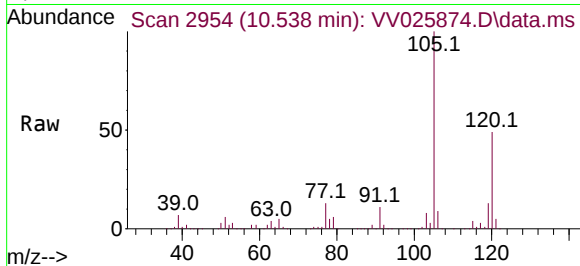




#62
1,3,5-Trimethylbenzene
Concen: 51.142 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

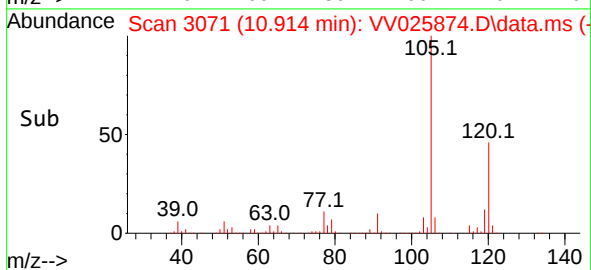
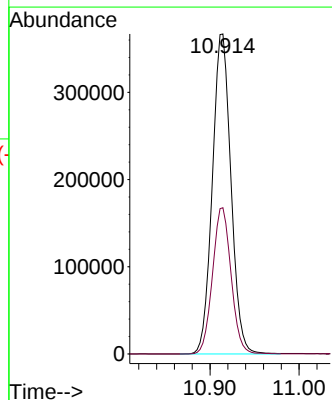
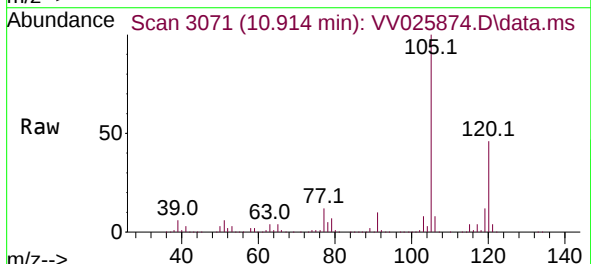
Instrument :
MSVOA_V
ClientSampleId :
VSTD050292

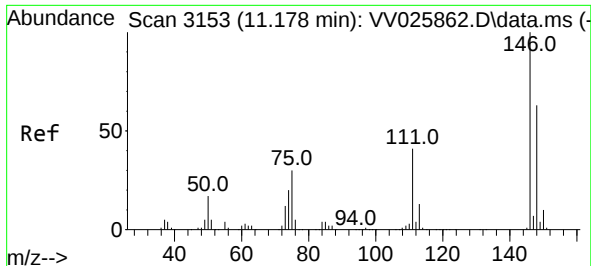
Tgt Ion:105 Resp: 333265
Ion Ratio Lower Upper
105 100
120 48.8 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 52.644 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion:105 Resp: 532257
Ion Ratio Lower Upper
105 100
120 45.6 36.6 55.0

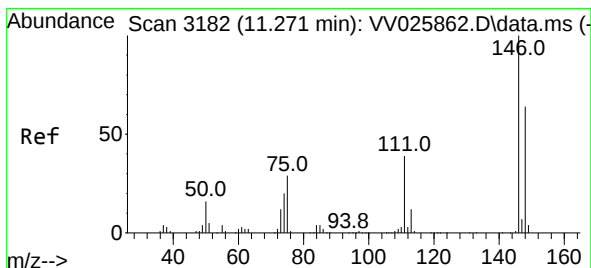
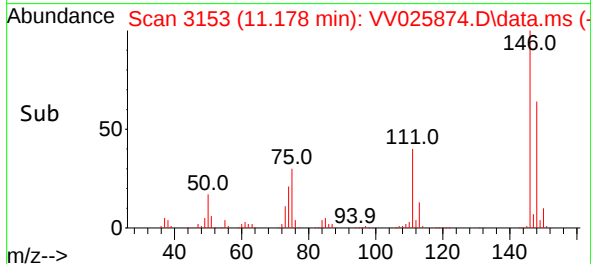
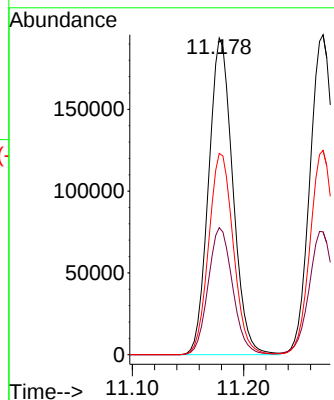
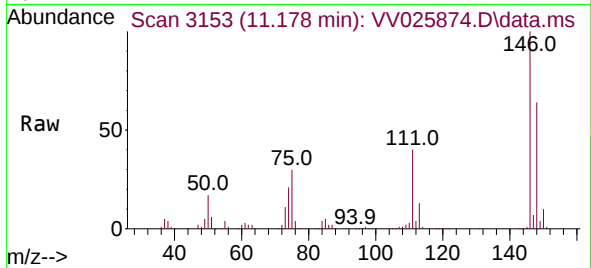




#64
 1,3-Dichlorobenzene
 Concen: 48.897 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

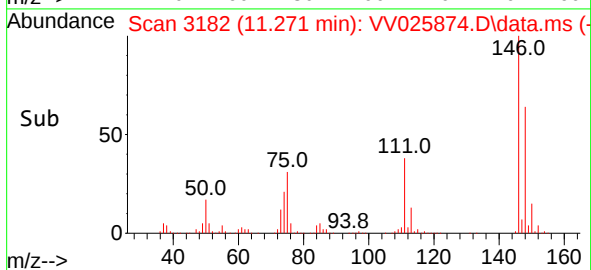
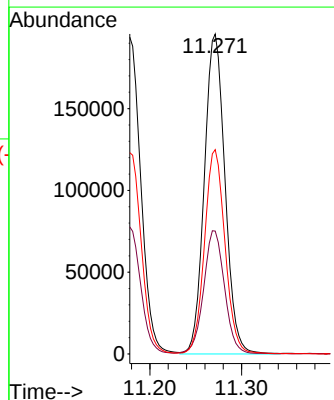
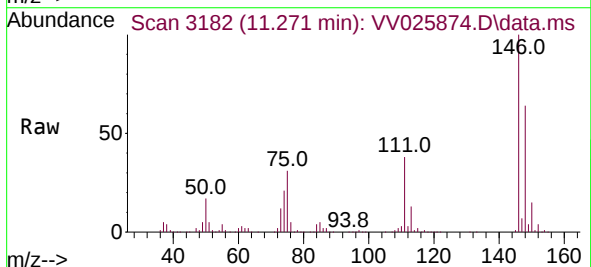
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050292

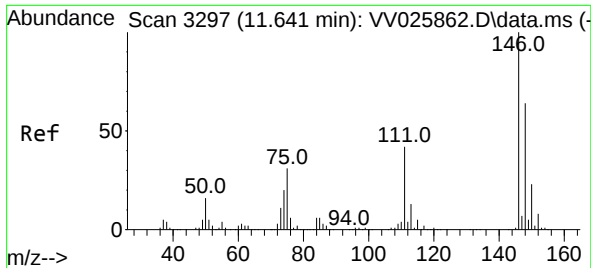
Tgt Ion:146 Resp: 292614
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.1
 148 63.5 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 48.876 ug/L
 RT: 11.271 min Scan# 3182
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

Tgt Ion:146 Resp: 306519
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.7 49.7
 148 63.9 44.2 82.2

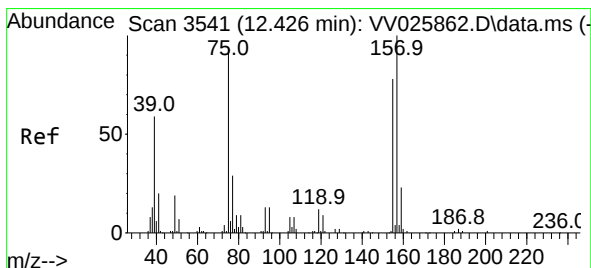
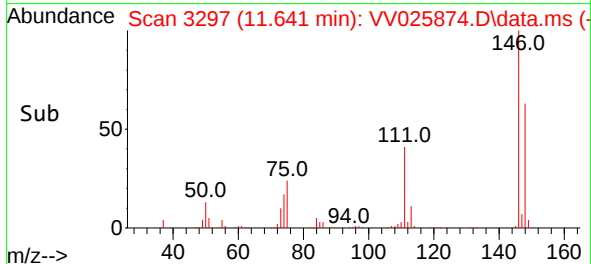
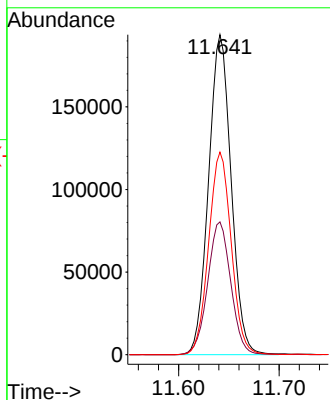
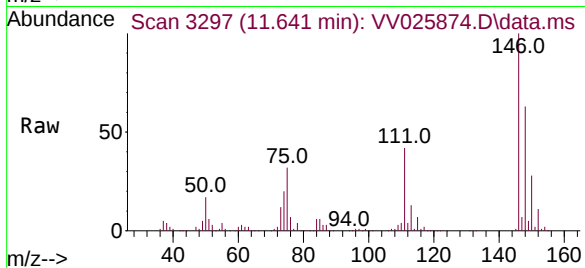




#67
 1,2-Dichlorobenzene
 Concen: 48.844 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

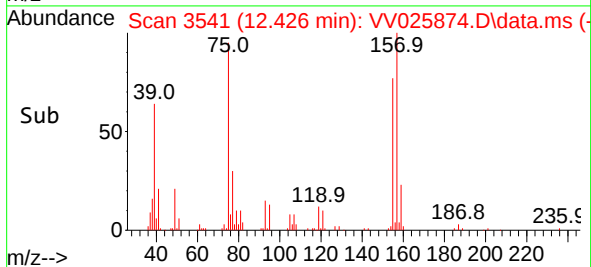
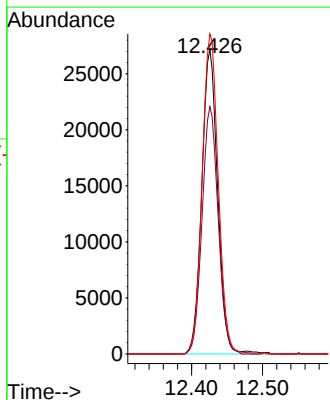
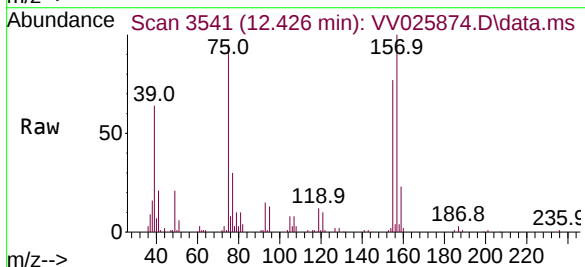
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050292

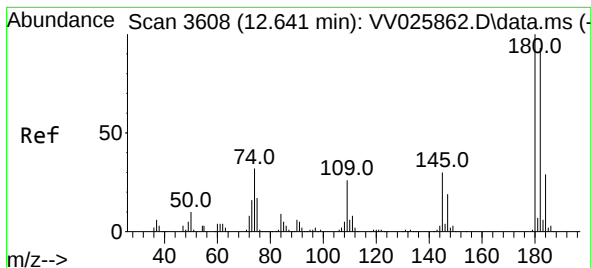
Tgt Ion:146 Resp: 302333
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.7 50.5
 148 63.3 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.071 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. -0.000 min
 Lab File: VV025874.D
 Acq: 10 May 2022 20:43

Tgt Ion: 75 Resp: 42323
 Ion Ratio Lower Upper
 75 100
 155 81.2 66.8 100.2
 157 105.0 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 48.205 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV025874.D

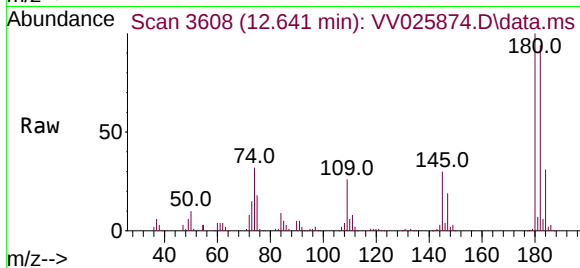
Acq: 10 May 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050292



Tgt Ion:180 Resp: 199180

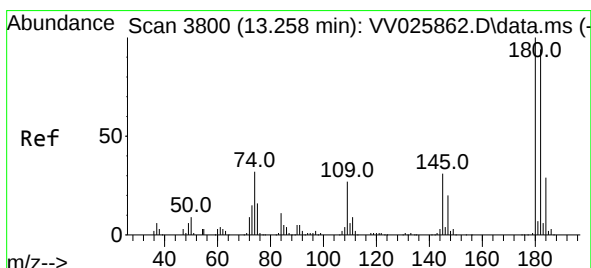
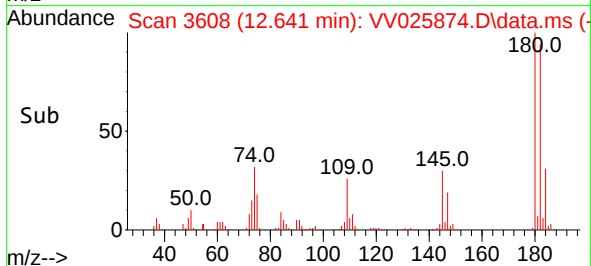
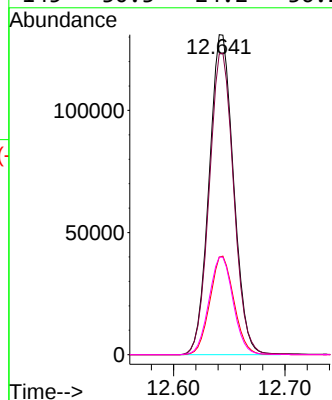
Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

184 30.3 23.6 35.4

145 30.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 48.876 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV025874.D

Acq: 10 May 2022 20:43

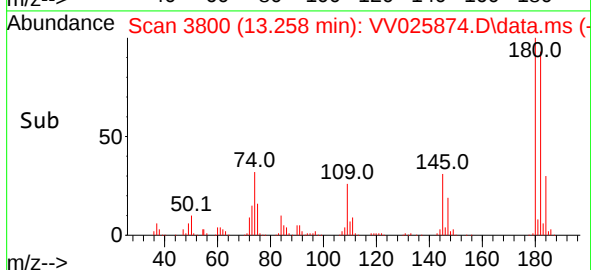
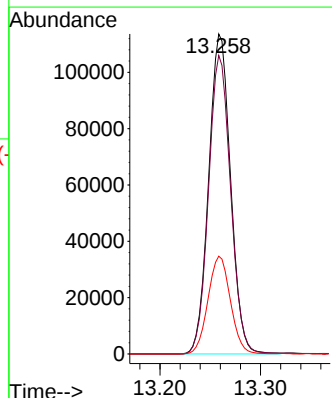
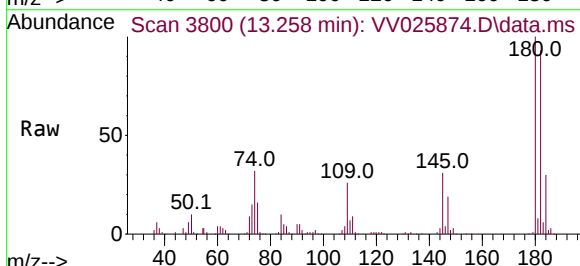
Tgt Ion:180 Resp: 171969

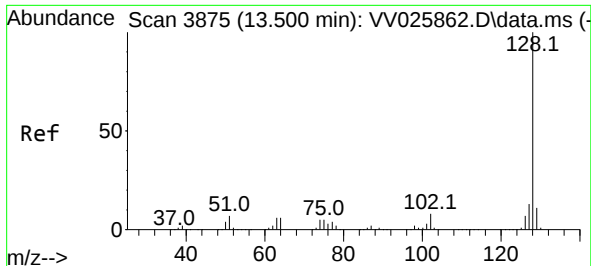
Ion Ratio Lower Upper

180 100

182 94.0 74.8 112.2

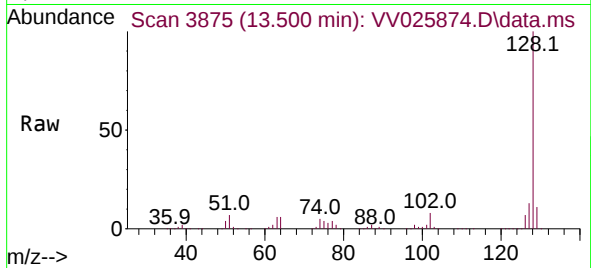
145 31.3 24.8 37.2



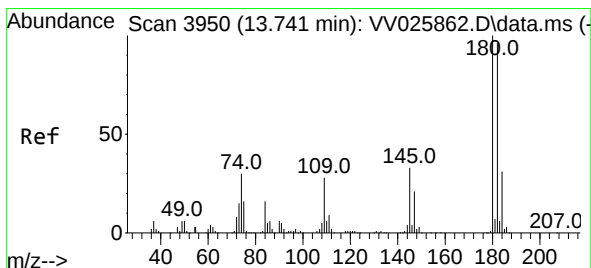
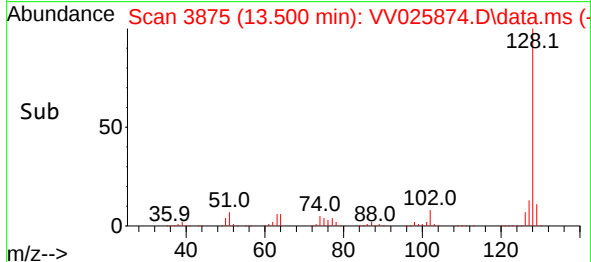
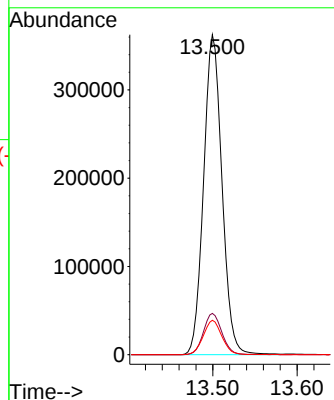


#71
Naphthalene
Concen: 52.903 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD050292



Tgt Ion:128 Resp: 551253
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 51.043 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV025874.D
Acq: 10 May 2022 20:43

Tgt Ion:180 Resp: 183014
Ion Ratio Lower Upper
180 100
182 93.9 75.8 113.8
145 32.9 26.3 39.5

