

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072722\
 Data File : VW026994.D
 Acq On : 27 Jul 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Quant Time: Jul 28 01:38:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 27 02:43:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	575075	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	583931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	333307	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	201986	41.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.760%
7) Chloroethane-d5	1.565	69	174693	44.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.540%
11) 1,1-Dichloroethene-d2	2.105	63	378258	43.592	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.180%
21) 2-Butanone-d5	3.886	46	309870	95.314	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.310%
24) Chloroform-d	4.339	84	432053	45.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.040%
26) 1,2-Dichloroethane-d4	5.024	65	244772	45.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.160%
32) Benzene-d6	5.043	84	826545	46.827	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
36) 1,2-Dichloropropane-d6	6.063	67	264099	46.429	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.860%
41) Toluene-d8	7.310	98	737796	47.773	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.540%
43) trans-1,3-Dichloroprop...	7.616	79	114744	48.142	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.280%
47) 2-Hexanone-d5	8.085	63	228745	92.356	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.360%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	408071	47.224	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.440%
66) 1,2-Dichlorobenzene-d4	11.622	152	296921	47.484	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	245580	41.337	ug/L	99
3) Chloromethane	1.240	50	229517	41.312	ug/L	98
5) Vinyl chloride	1.307	62	254346	43.067	ug/L	99
6) Bromomethane	1.520	94	166694	46.712	ug/L	99
8) Chloroethane	1.581	64	159489	45.959	ug/L	98
9) Trichlorofluoromethane	1.748	101	359449	44.162	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	221925	46.620	ug/L	99
12) 1,1-Dichloroethene	2.111	96	201145	45.237	ug/L	96
13) Acetone	2.179	43	291590	127.737	ug/L	98
14) Carbon disulfide	2.288	76	542435	42.757	ug/L	100
15) Methyl Acetate	2.429	43	222578	44.206	ug/L	99
16) Methylene chloride	2.500	84	250900	44.267	ug/L	100
17) trans-1,2-Dichloroethene	2.754	96	218108	46.423	ug/L	98
18) Methyl tert-butyl Ether	2.764	73	641766	49.172	ug/L	100
19) 1,1-Dichloroethane	3.182	63	401573	46.409	ug/L	100
20) cis-1,2-Dichloroethene	3.902	96	237711	48.008	ug/L	99
22) 2-Butanone	3.966	43	336517	108.088	ug/L	99
23) Bromochloromethane	4.240	128	132584	46.763	ug/L	98
25) Chloroform	4.365	83	426354	46.199	ug/L	100

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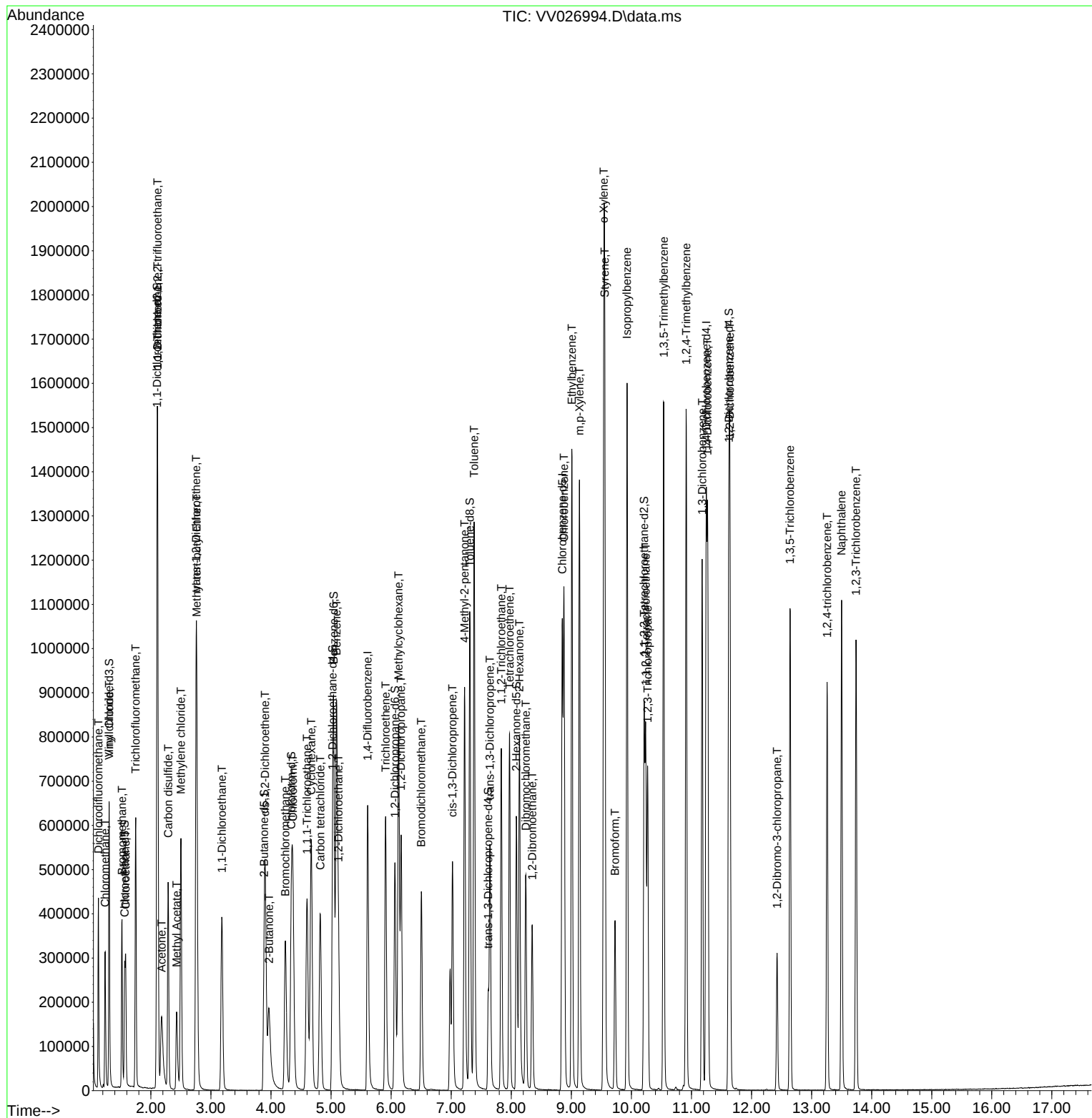
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	298365	45.817	ug/L	99
29) Cyclohexane	4.670	56	296722	48.593	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	367820	47.676	ug/L	99
31) Carbon tetrachloride	4.822	117	316627	46.873	ug/L	100
33) Benzene	5.092	78	918003	48.885	ug/L	100
34) Trichloroethene	5.908	95	222196	46.045	ug/L	98
35) Methylcyclohexane	6.124	83	353328	49.452	ug/L	98
37) 1,2-Dichloropropane	6.166	63	238369	48.772	ug/L	98
38) Bromodichloromethane	6.503	83	308056	46.502	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	342785	50.536	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	576101	99.049	ug/L	99
42) Toluene	7.381	91	972940	50.760	ug/L	98
44) trans-1,3-Dichloropropene	7.645	75	331146	49.505	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	249258	47.890	ug/L	98
46) Tetrachloroethene	7.973	164	184203	48.934	ug/L	97
48) 2-Hexanone	8.137	43	470732	103.987	ug/L	98
49) Dibromochloromethane	8.243	129	260141	47.819	ug/L	99
50) 1,2-Dibromoethane	8.349	107	253605	47.624	ug/L	99
51) Chlorobenzene	8.876	112	641299	48.000	ug/L	99
52) Ethylbenzene	9.008	91	991920	49.856	ug/L	100
53) m,p-Xylene	9.137	106	407400	52.296	ug/L	97
54) o-Xylene	9.542	106	383658	51.135	ug/L	99
55) Styrene	9.558	104	712645	53.782	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	396567	47.201	ug/L	99
59) Bromoform	9.728	173	172638	46.361	ug/L	99
60) Isopropylbenzene	9.928	105	1004085	50.976	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	304514	45.530	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	831863	51.964	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	839343	52.272	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	491934	48.881	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	506237	47.472	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	501605	48.579	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	76183	42.635	ug/L	94
69) 1,3,5-Trichlorobenzene	12.641	180	334771	46.988	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	278057	46.320	ug/L	100
71) Naphthalene	13.500	128	866578	45.906	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	306915	49.014	ug/L	100

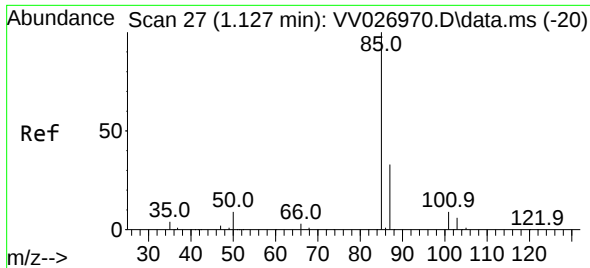
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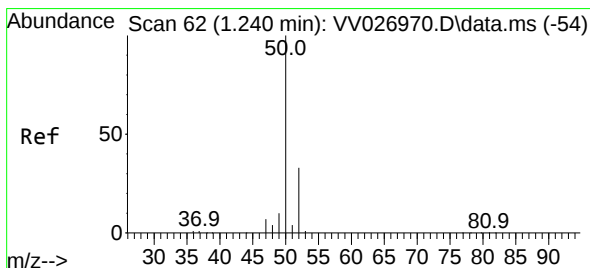
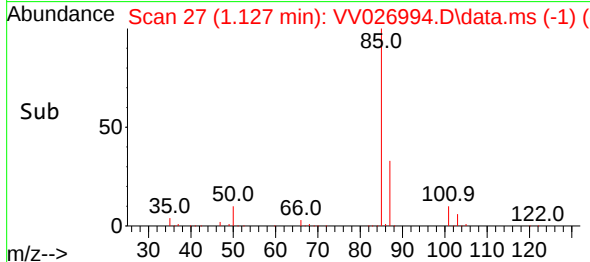
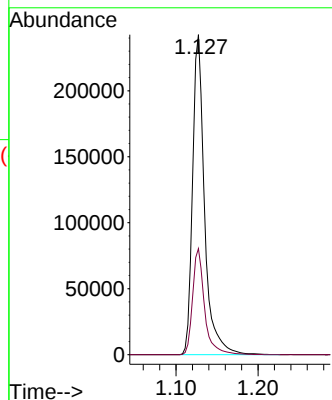
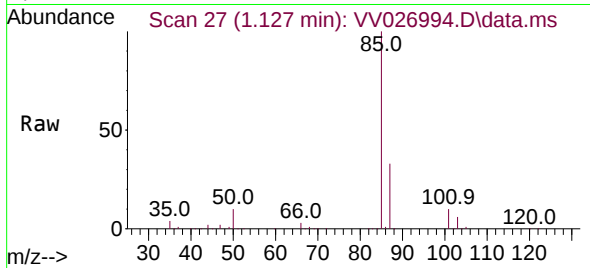




#2
 Dichlorodifluoromethane
 Concen: 41.337 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

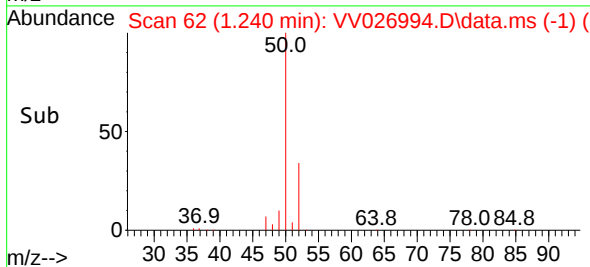
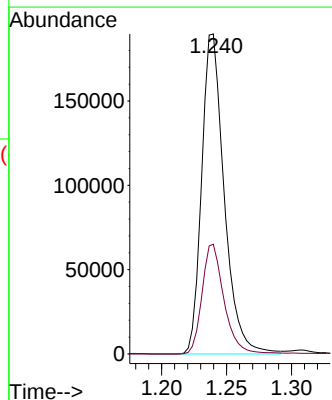
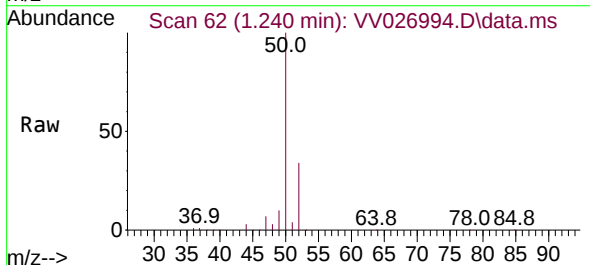
Instrument :
 MSVOA_V
 ClientSampleId :
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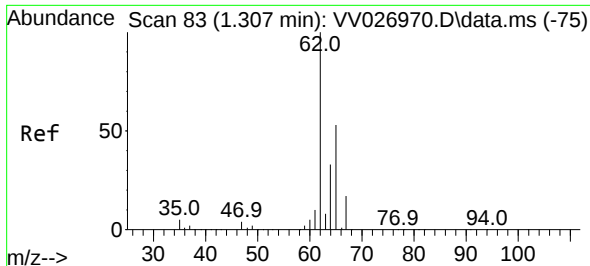
Tgt Ion: 85 Resp: 245580
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.1 39.1



#3
 Chloromethane
 Concen: 41.312 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion: 50 Resp: 229517
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.1 42.9

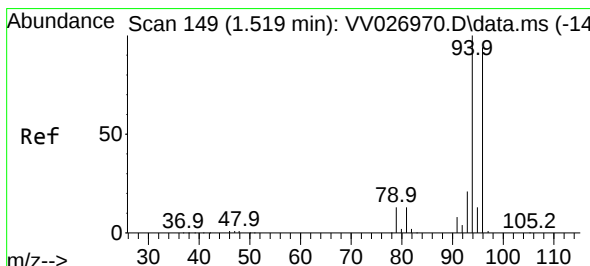
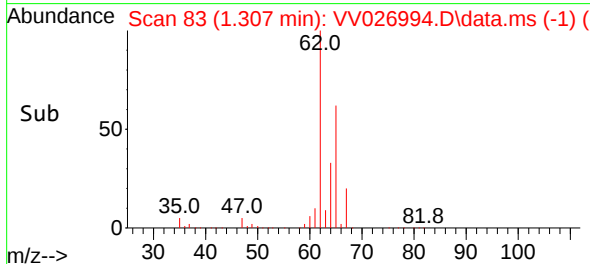
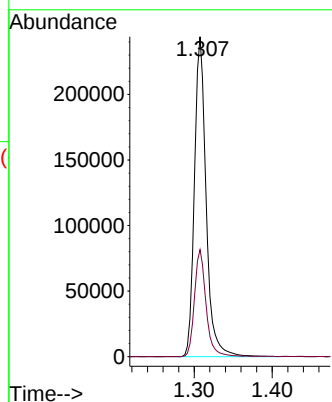
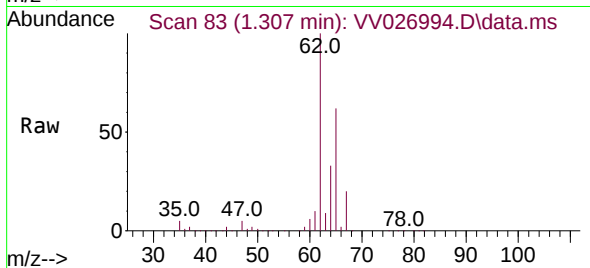




#5
 Vinyl chloride
 Concen: 43.067 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

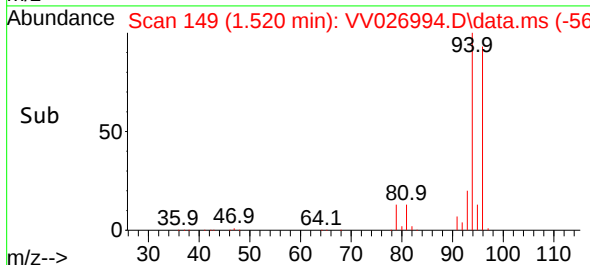
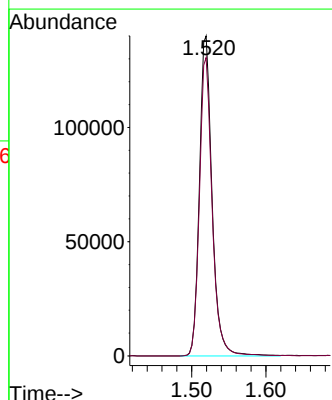
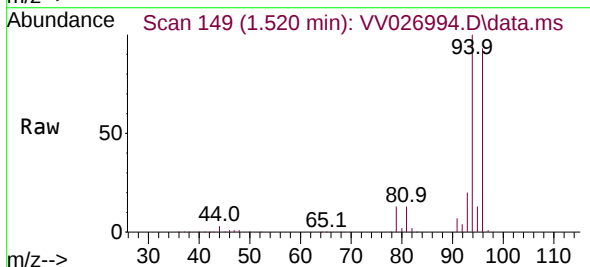
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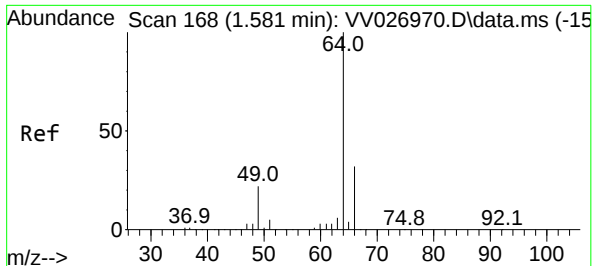
Tgt Ion: 62 Resp: 254346
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.6



#6
 Bromomethane
 Concen: 46.712 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion: 94 Resp: 166694
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.8 122.2

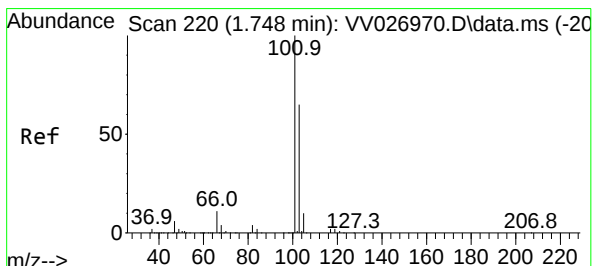
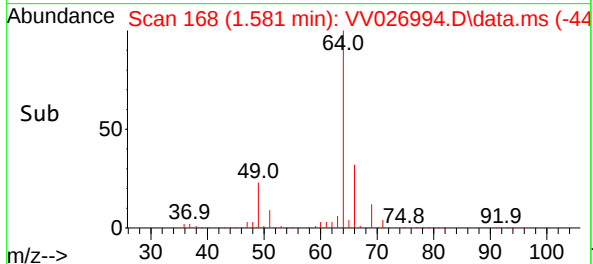
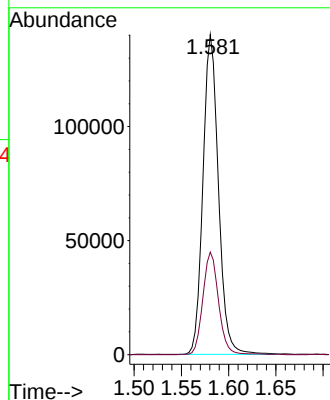
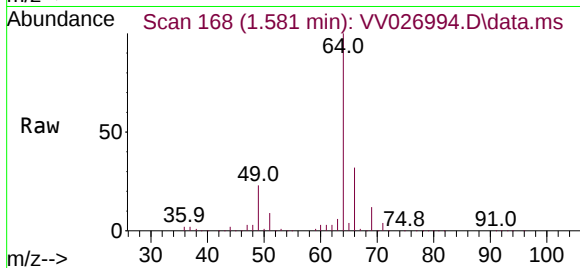




#8
Chloroethane
Concen: 45.959 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

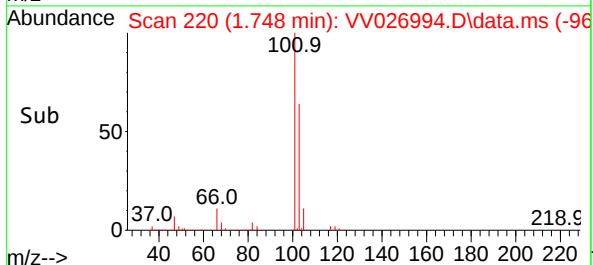
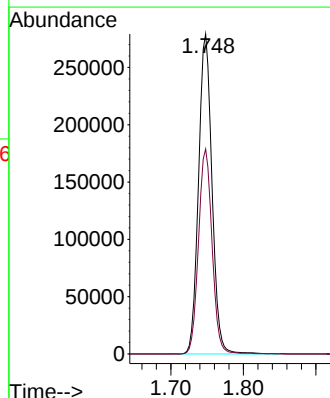
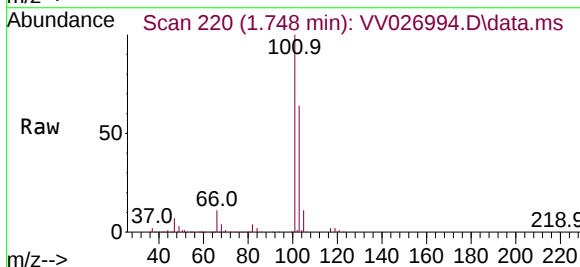
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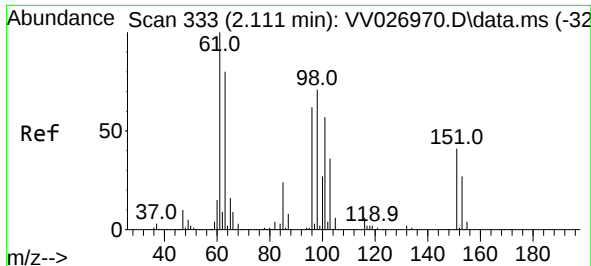
Tgt Ion: 64 Resp: 159489
Ion Ratio Lower Upper
64 100
66 32.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 44.162 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 101 Resp: 359449
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

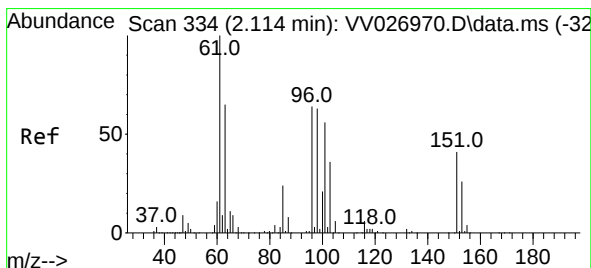
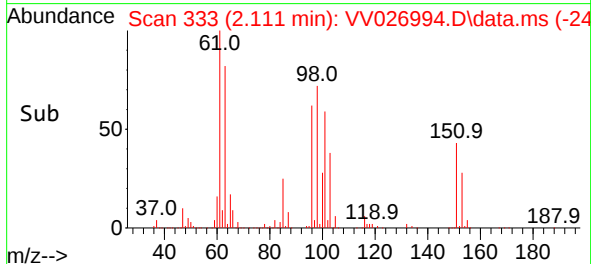
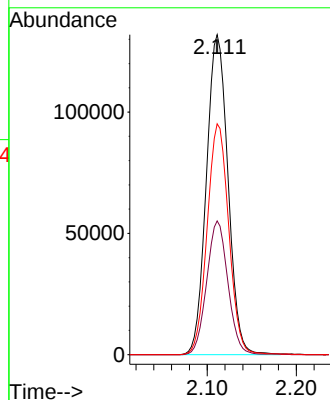
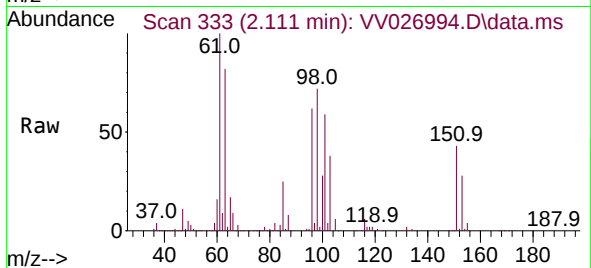




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.620 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

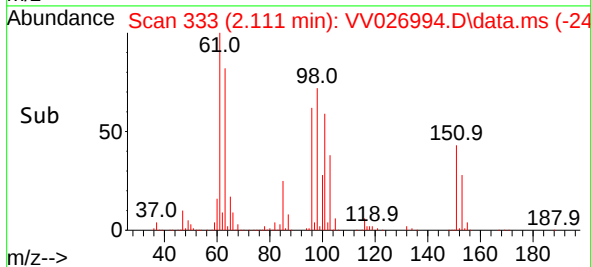
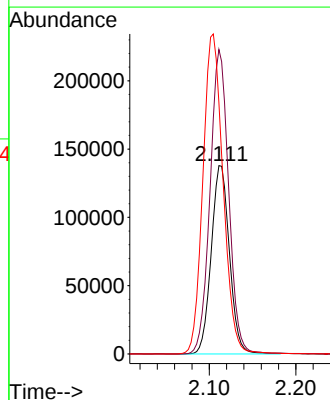
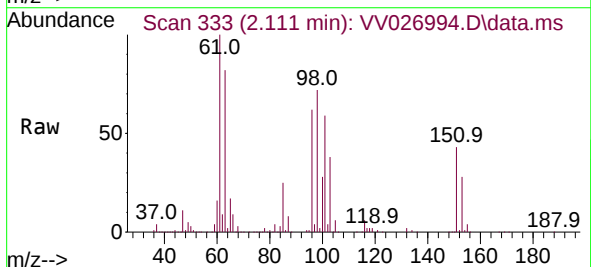
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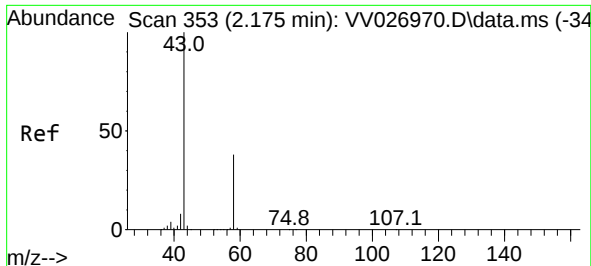
Tgt Ion:101 Resp: 221925
 Ion Ratio Lower Upper
 101 100
 85 41.1 33.1 49.7
 151 72.1 57.1 85.7



#12
 1,1-Dichloroethene
 Concen: 45.237 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.003 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion: 96 Resp: 201145
 Ion Ratio Lower Upper
 96 100
 61 161.7 114.2 212.0
 63 133.3 87.0 161.6





#13

Acetone

Concen: 127.737 ug/L

RT: 2.179 min Scan# 353

Delta R.T. 0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

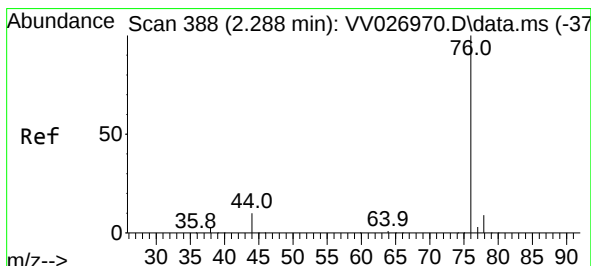
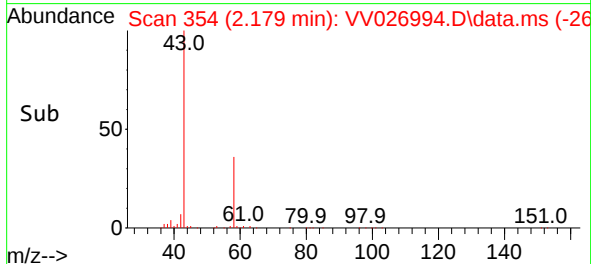
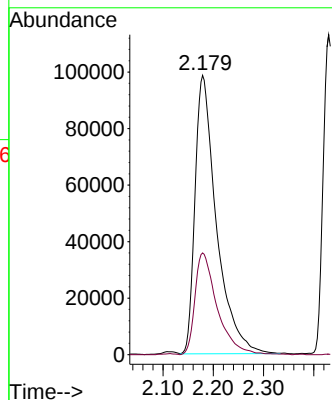
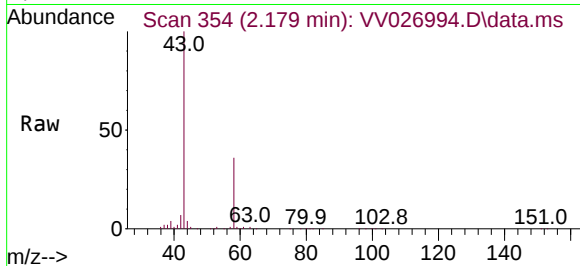
VSTD050312

Tgt Ion: 43 Resp: 291590

Ion Ratio Lower Upper

43 100

58 37.6 0.0 72.6



#14

Carbon disulfide

Concen: 42.757 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

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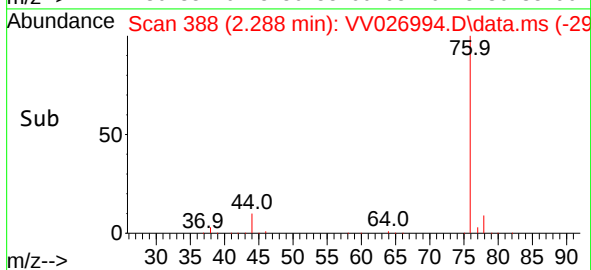
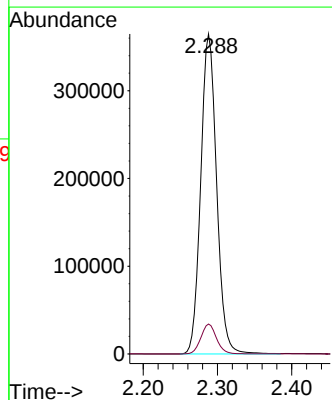
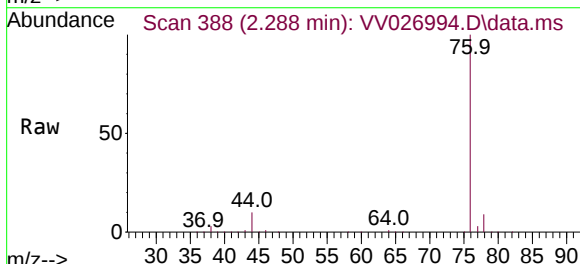
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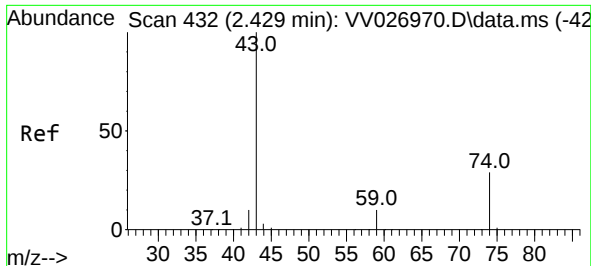
Tgt Ion: 76 Resp: 542435

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

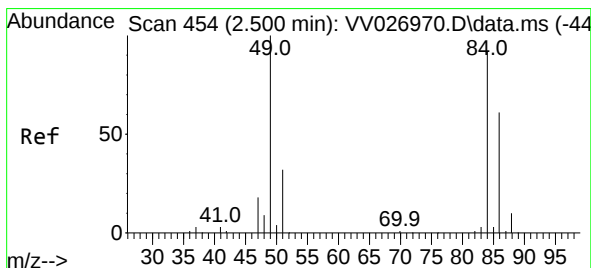
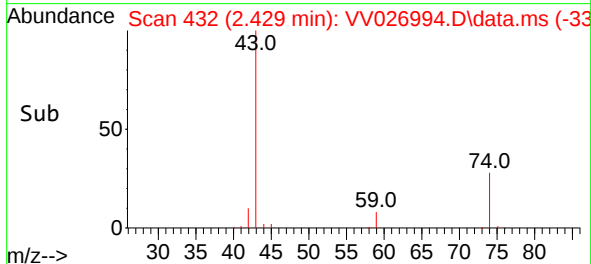
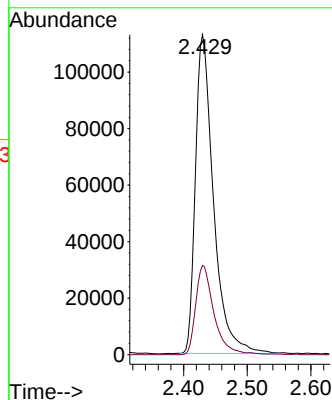
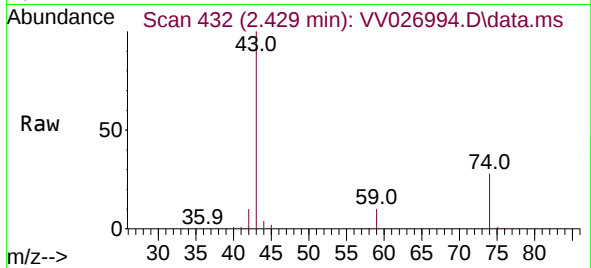




#15
Methyl Acetate
Concen: 44.206 ug/L
RT: 2.429 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

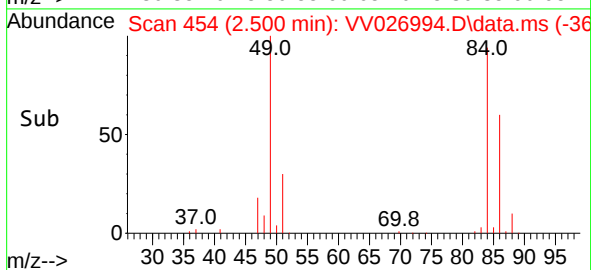
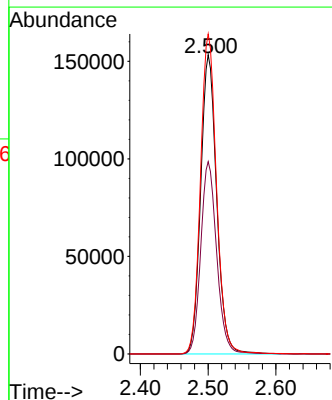
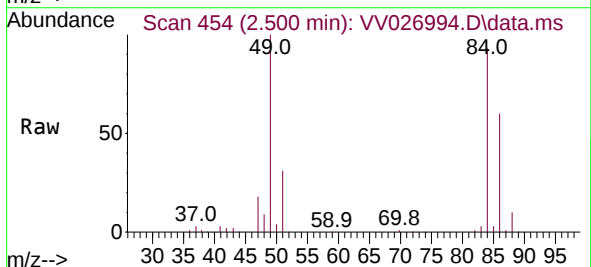
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

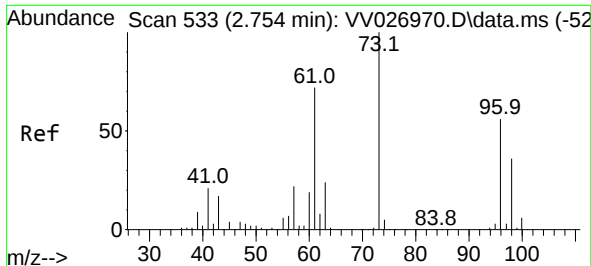
Tgt Ion: 43 Resp: 222578
Ion Ratio Lower Upper
43 100
74 27.9 22.1 33.1



#16
Methylene chloride
Concen: 44.267 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 84 Resp: 250900
Ion Ratio Lower Upper
84 100
86 64.3 44.5 82.7
49 107.0 75.0 139.2





#17

trans-1,2-Dichloroethene

Concen: 46.423 ug/L

RT: 2.754 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

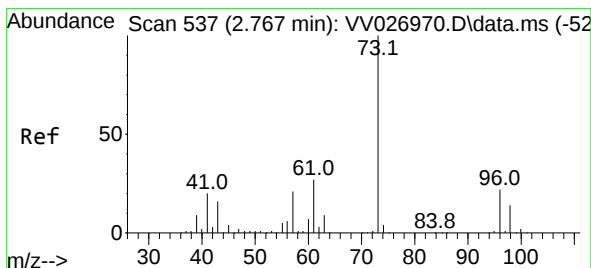
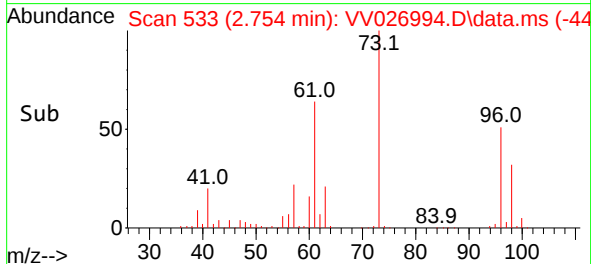
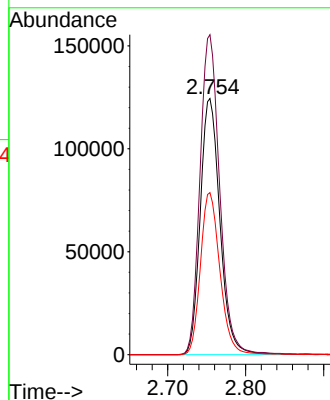
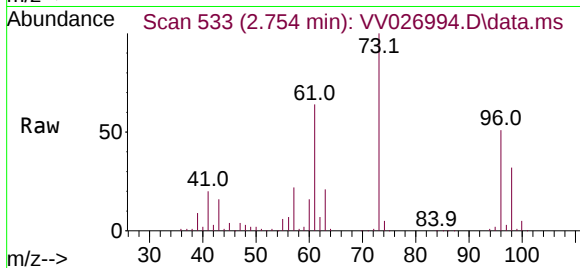
Tgt Ion: 96 Resp: 218108

Ion Ratio Lower Upper

96 100

61 124.9 89.2 165.6

98 63.3 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 49.172 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

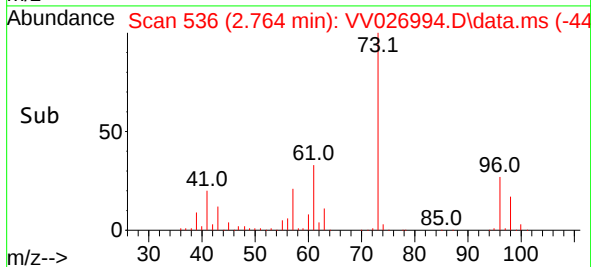
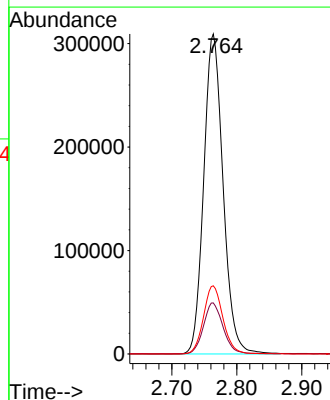
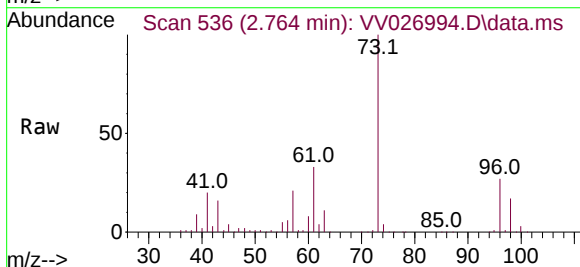
Tgt Ion: 73 Resp: 641766

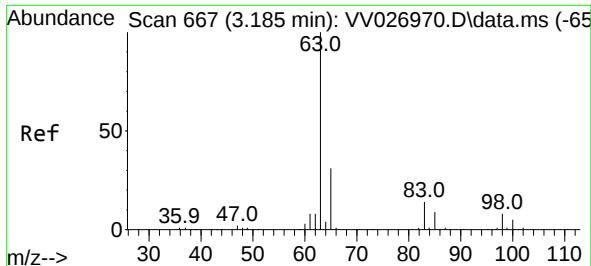
Ion Ratio Lower Upper

73 100

43 16.0 12.8 19.2

57 21.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 46.409 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

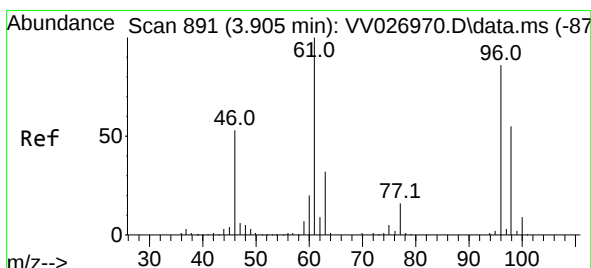
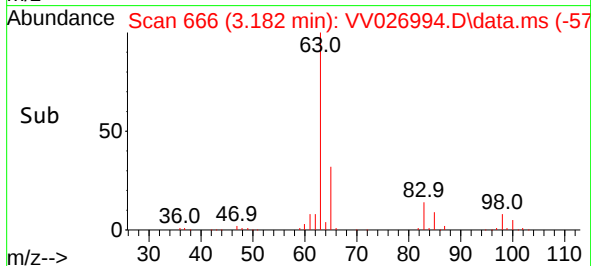
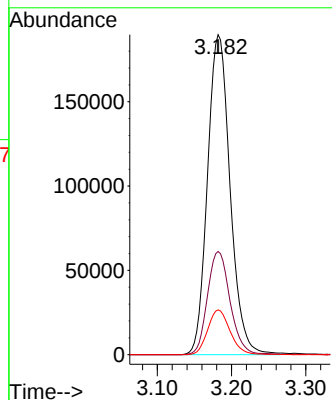
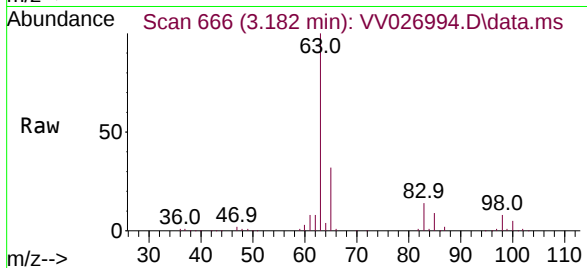
Tgt Ion: 63 Resp: 401573

Ion Ratio Lower Upper

63 100

65 32.3 22.6 42.0

83 14.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 48.008 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

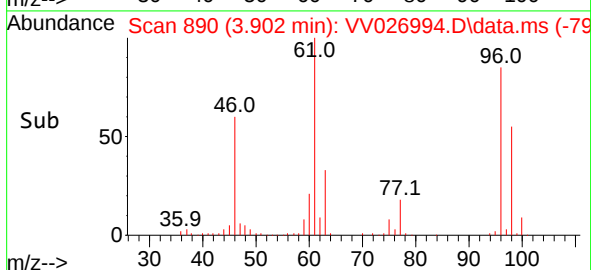
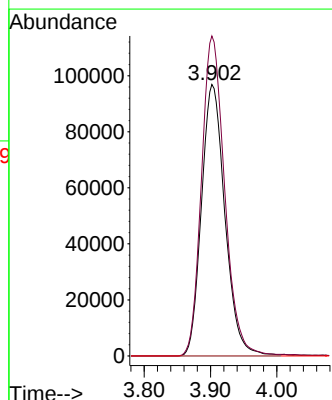
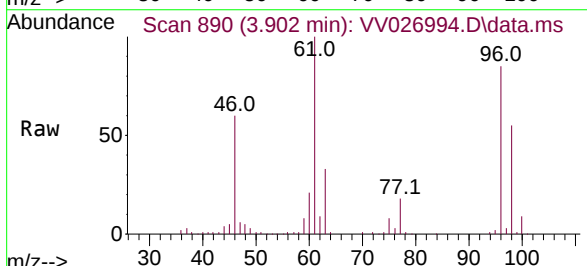
Tgt Ion: 96 Resp: 237711

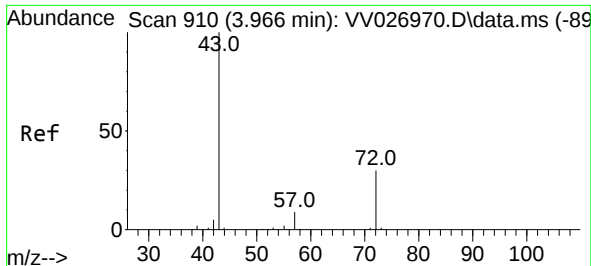
Ion Ratio Lower Upper

96 100

61 117.9 83.0 154.1

68 0.0 0.0 0.0

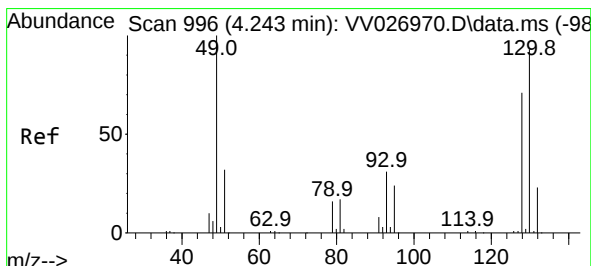
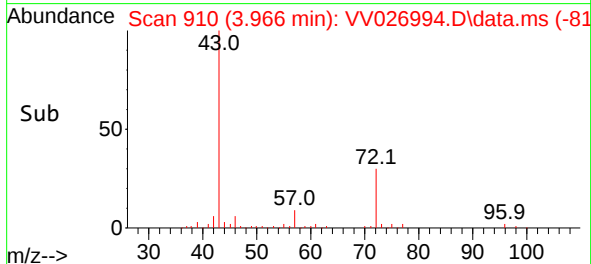
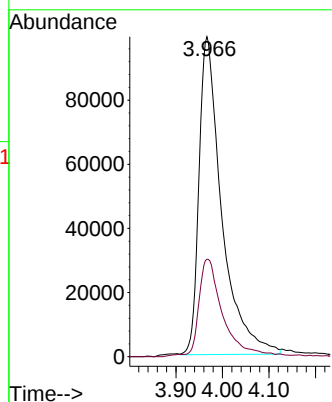
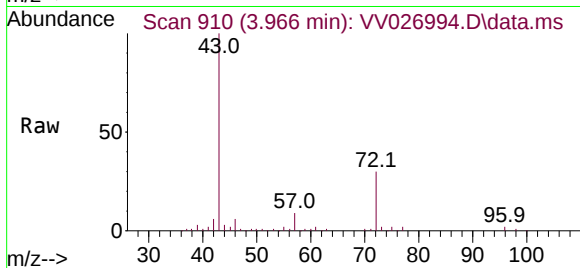




#22
2-Butanone
Concen: 108.088 ug/L
RT: 3.966 min Scan# 910
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

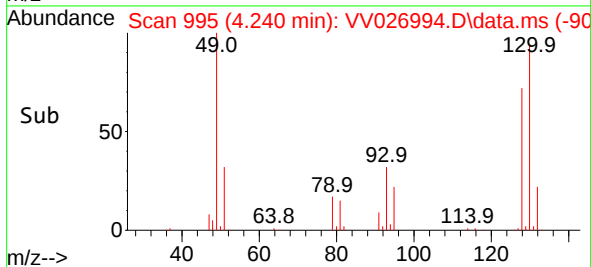
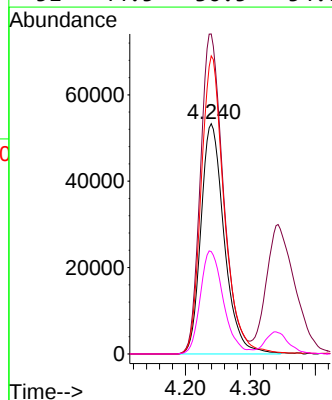
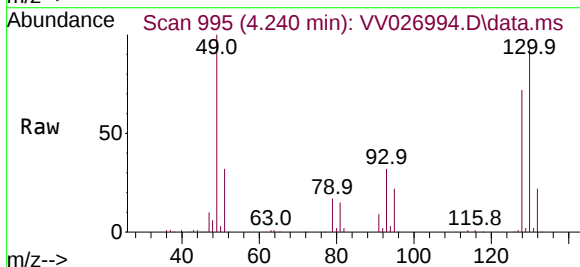
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

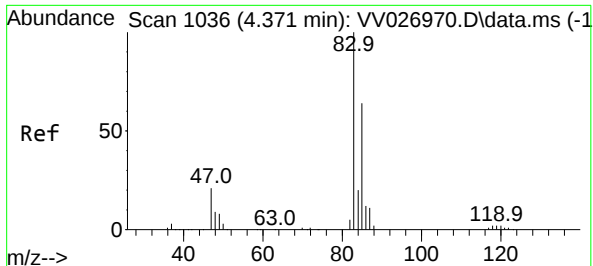
Tgt Ion: 43 Resp: 336517
Ion Ratio Lower Upper
43 100
72 30.1 14.9 44.5



#23
Bromochloromethane
Concen: 46.763 ug/L
RT: 4.240 min Scan# 995
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 128 Resp: 132584
Ion Ratio Lower Upper
128 100
49 139.0 101.0 187.6
130 129.5 90.0 167.2
51 44.5 36.5 54.7





#25

Chloroform

Concen: 46.199 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.006 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

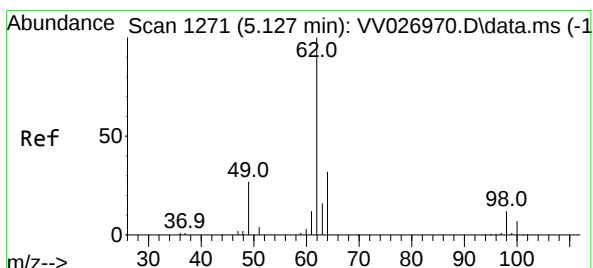
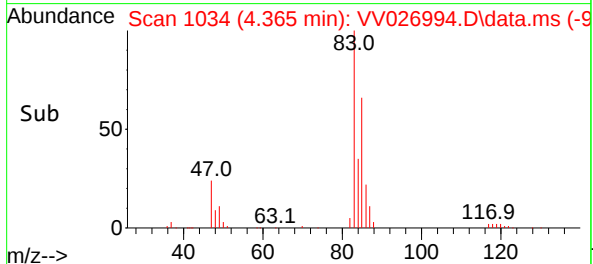
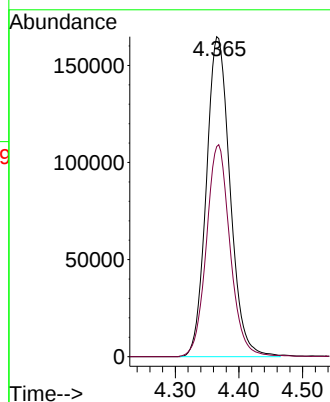
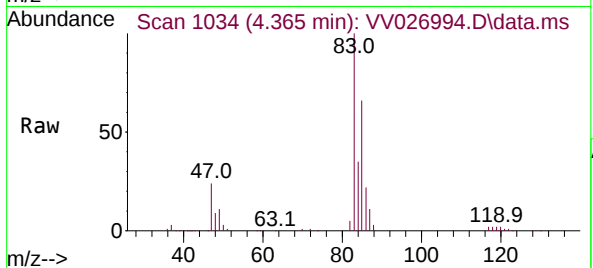
VSTD050312

Tgt Ion: 83 Resp: 426354

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.0



#27

1,2-Dichloroethane

Concen: 45.817 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV026994.D

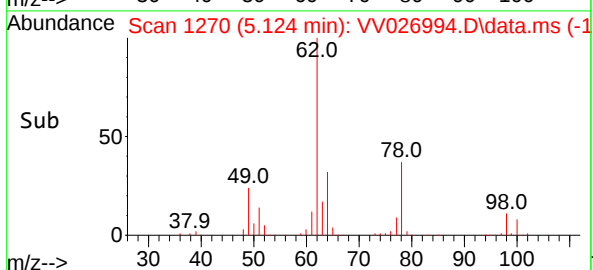
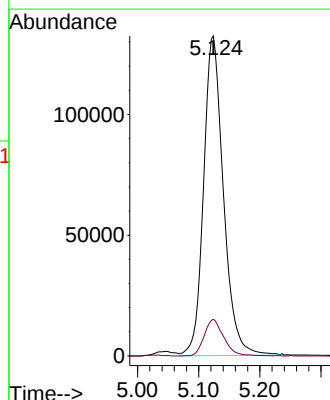
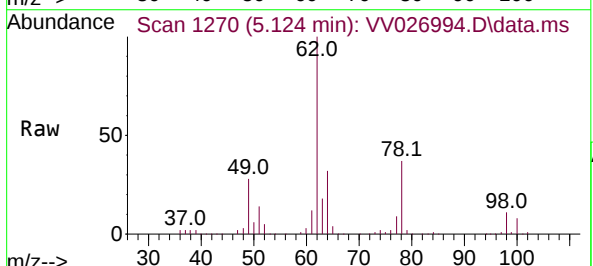
Acq: 27 Jul 2022 10:26

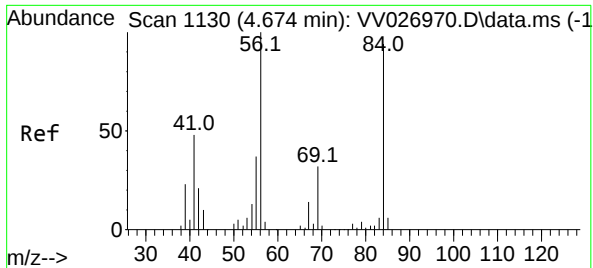
Tgt Ion: 62 Resp: 298365

Ion Ratio Lower Upper

62 100

98 11.4 8.9 13.3





#29

Cyclohexane

Concen: 48.593 ug/L

RT: 4.670 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

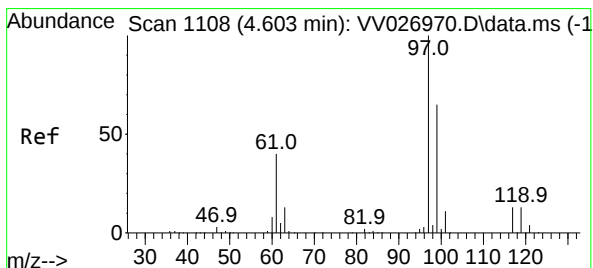
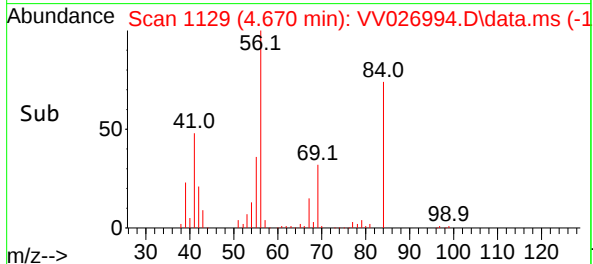
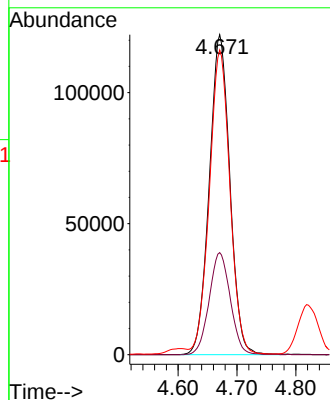
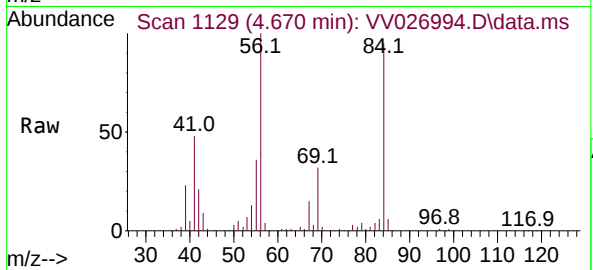
Tgt Ion: 56 Resp: 296722

Ion Ratio Lower Upper

56 100

69 32.7 25.7 38.5

84 94.9 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 47.676 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

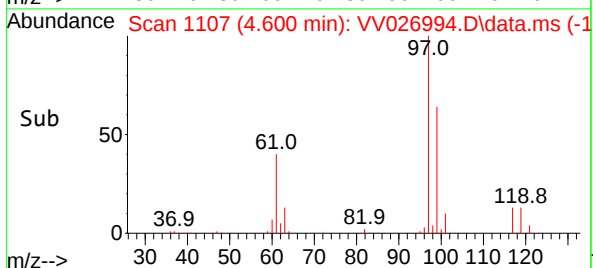
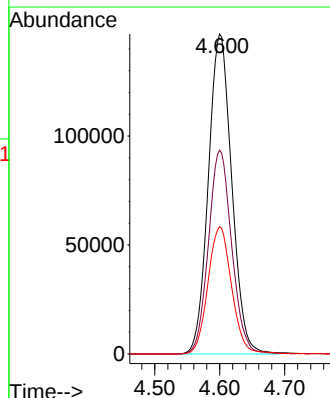
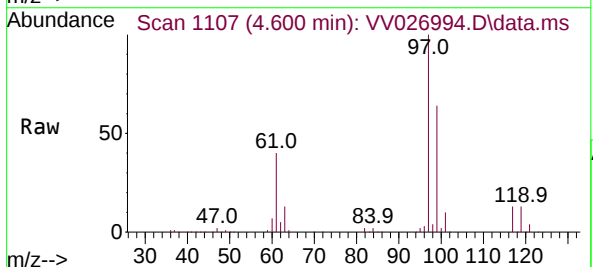
Tgt Ion: 97 Resp: 367820

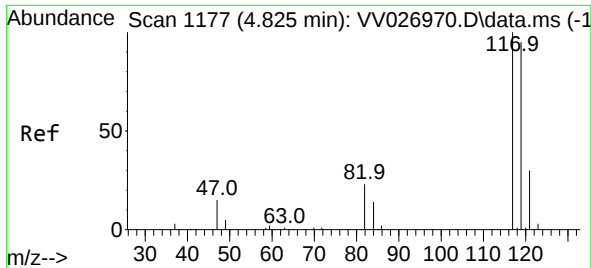
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.6

61 40.3 33.1 49.7

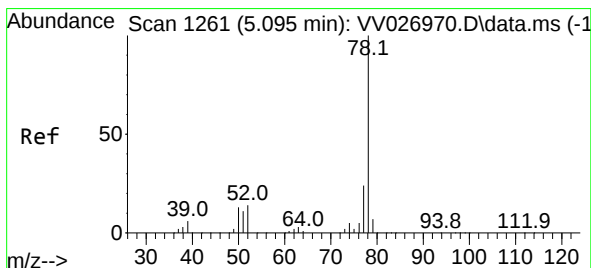
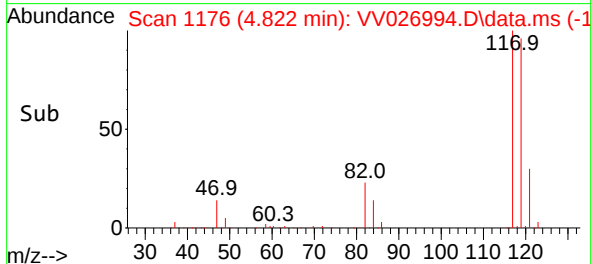
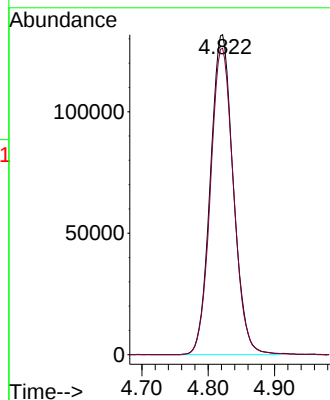
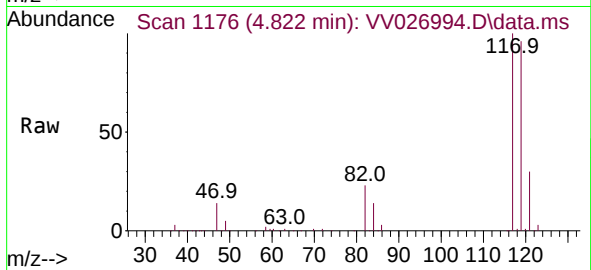




#31
Carbon tetrachloride
Concen: 46.873 ug/L
RT: 4.822 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

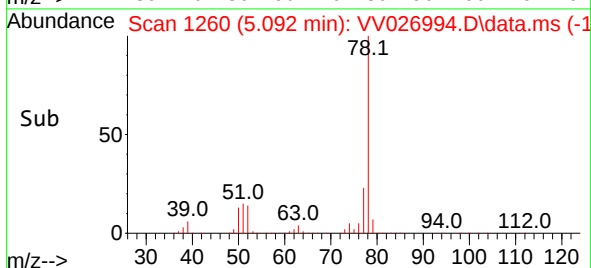
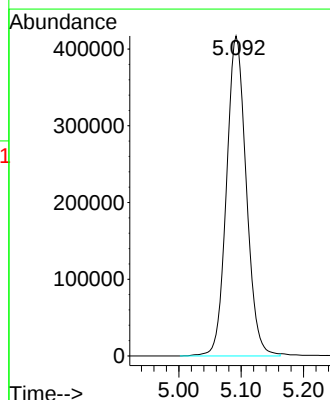
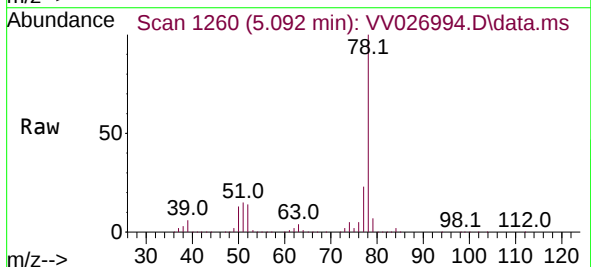
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

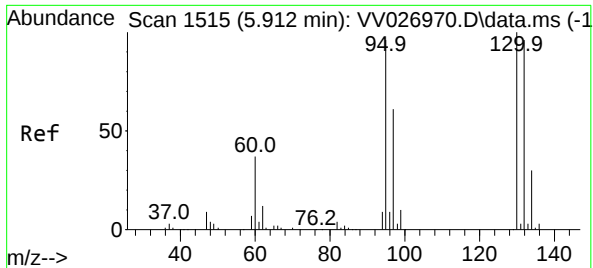
Tgt Ion:117 Resp: 316627
Ion Ratio Lower Upper
117 100
119 96.4 77.3 115.9



#33
Benzene
Concen: 48.885 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 78 Resp: 918003





#34

Trichloroethene

Concen: 46.045 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

Tgt Ion: 95 Resp: 222196

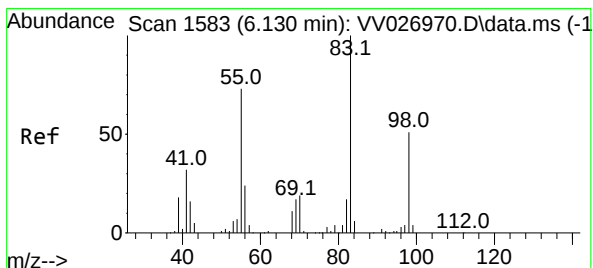
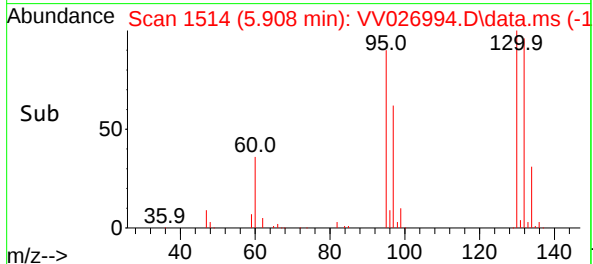
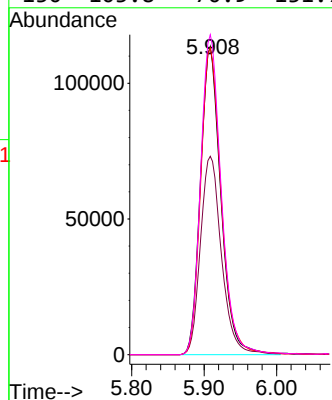
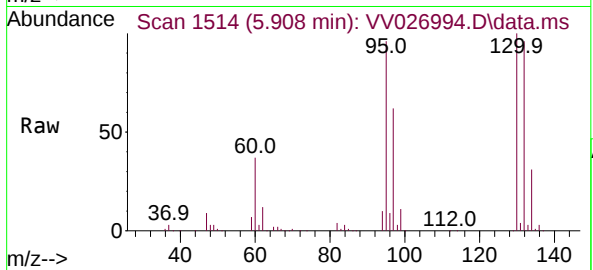
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 99.5 68.1 126.5

130 103.8 70.9 131.7



#35

Methylcyclohexane

Concen: 49.452 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.006 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

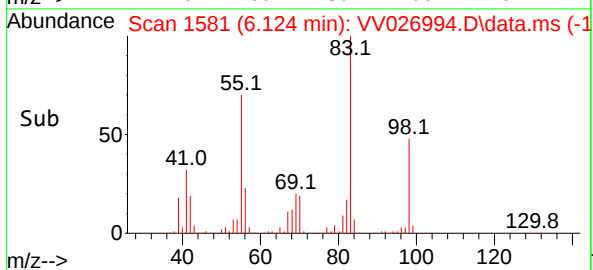
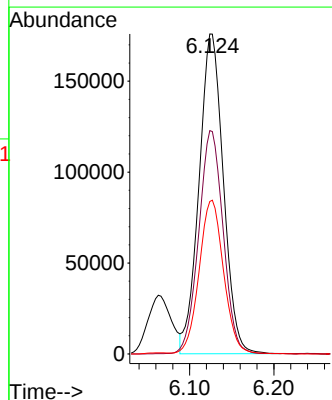
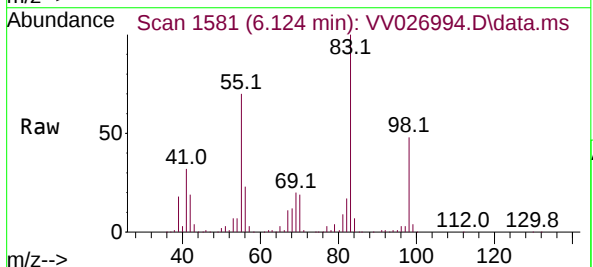
Tgt Ion: 83 Resp: 353328

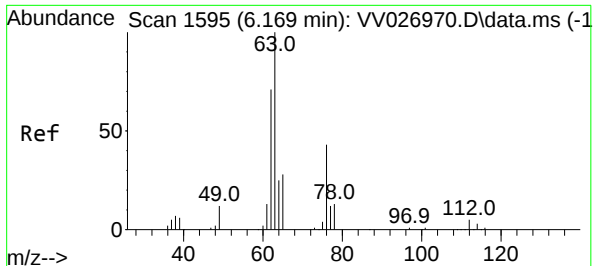
Ion Ratio Lower Upper

83 100

55 69.9 57.4 86.2

98 48.4 39.4 59.0





#37

1,2-Dichloropropane

Concen: 48.772 ug/L

RT: 6.166 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

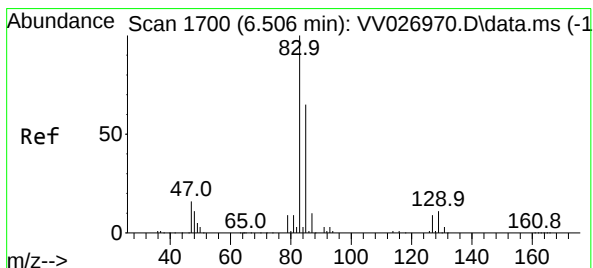
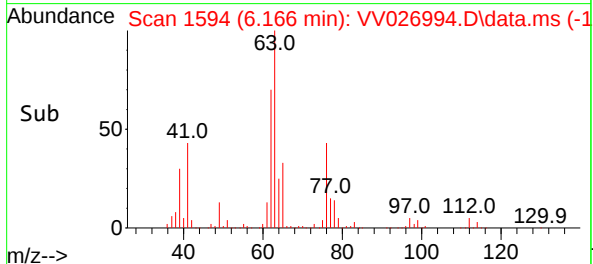
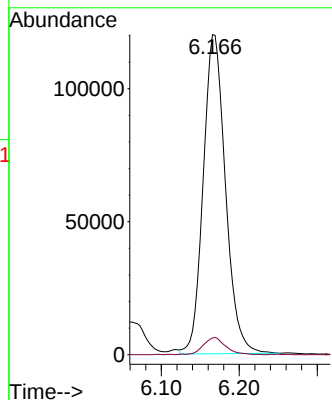
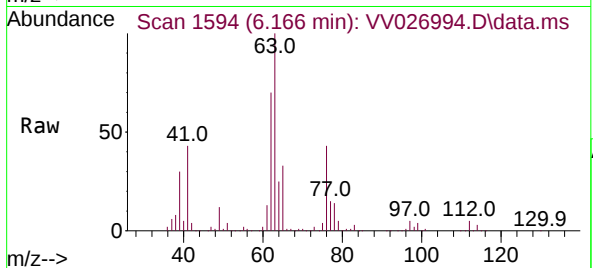
VSTD050312

Tgt Ion: 63 Resp: 238369

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.8



#38

Bromodichloromethane

Concen: 46.502 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

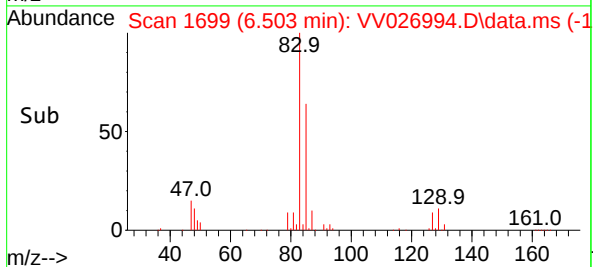
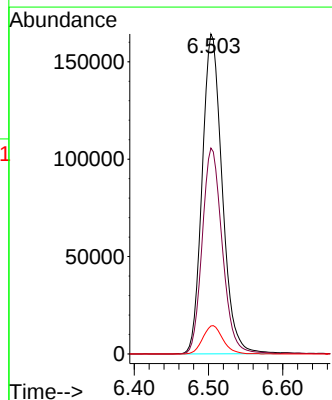
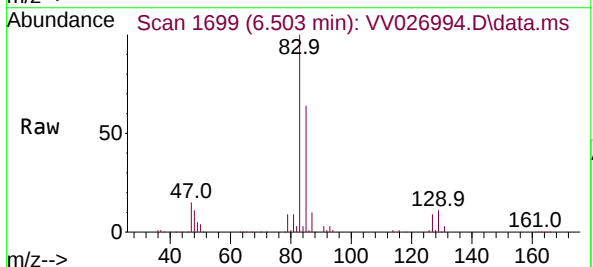
Tgt Ion: 83 Resp: 308056

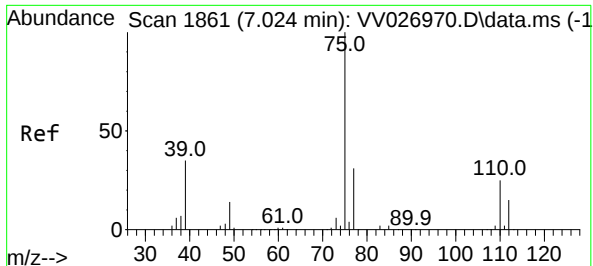
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.536 ug/L

RT: 7.021 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

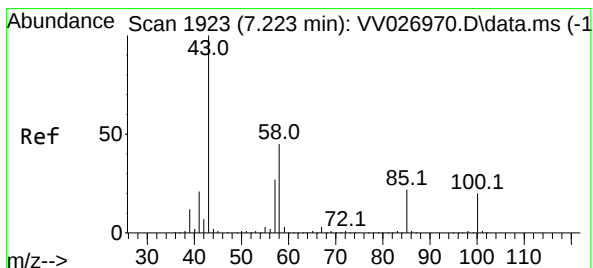
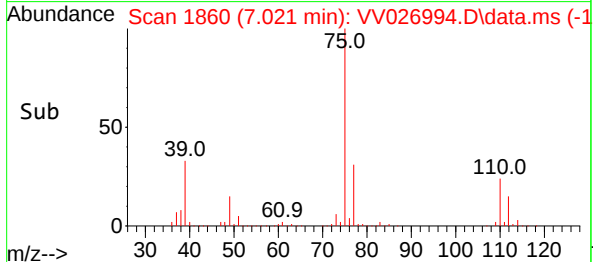
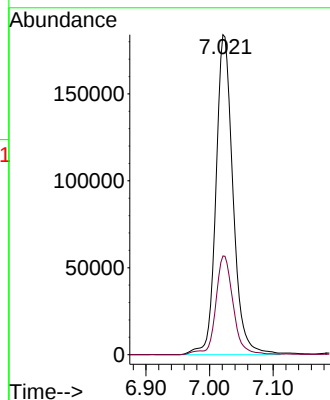
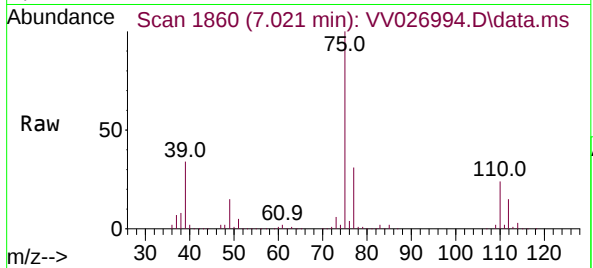
VSTD050312

Tgt Ion: 75 Resp: 342785

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 99.049 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

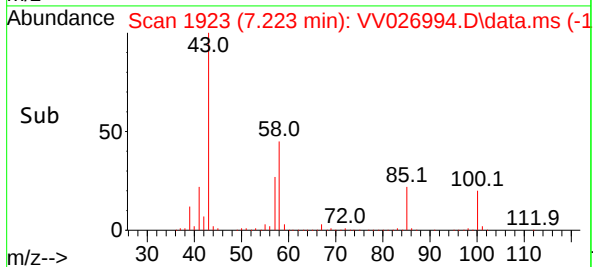
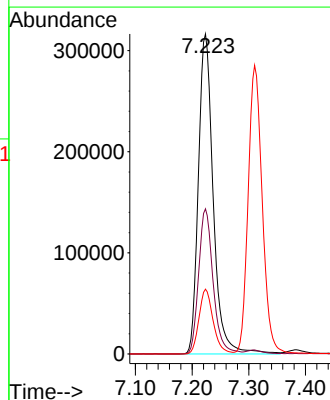
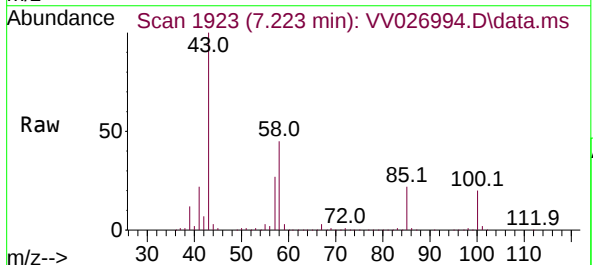
Tgt Ion: 43 Resp: 576101

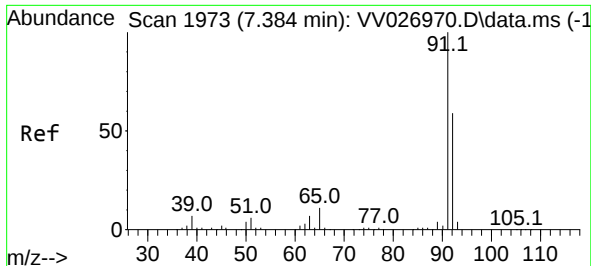
Ion Ratio Lower Upper

43 100

58 44.2 35.0 52.6

100 19.3 15.4 23.0

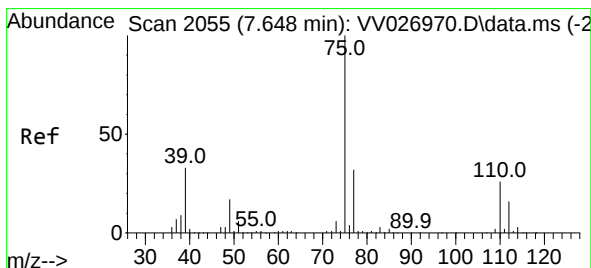
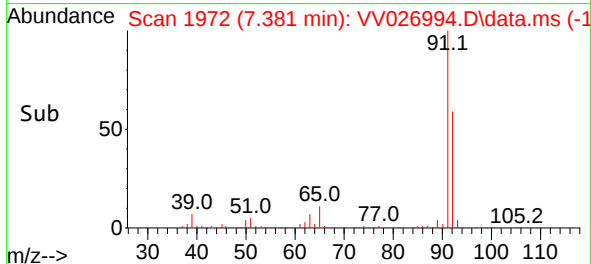
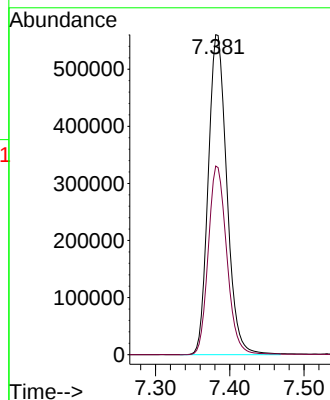
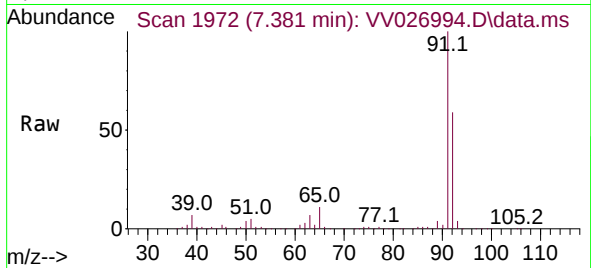




#42
Toluene
Concen: 50.760 ug/L
RT: 7.381 min Scan# 1973
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

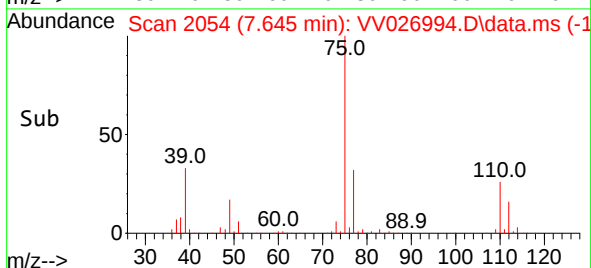
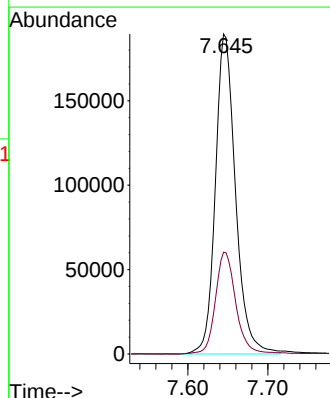
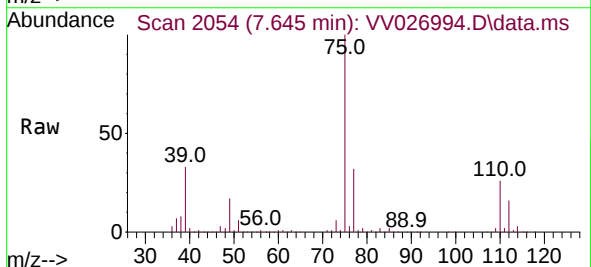
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

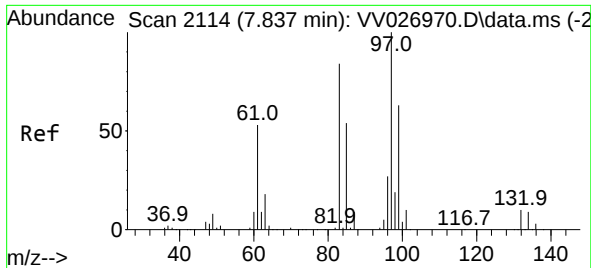
Tgt Ion: 91 Resp: 972940
Ion Ratio Lower Upper
91 100
92 58.9 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 49.505 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 75 Resp: 331146
Ion Ratio Lower Upper
75 100
77 31.8 21.3 39.6



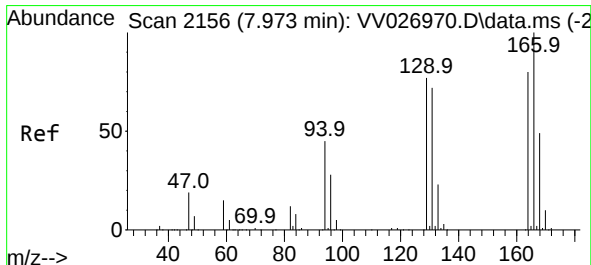
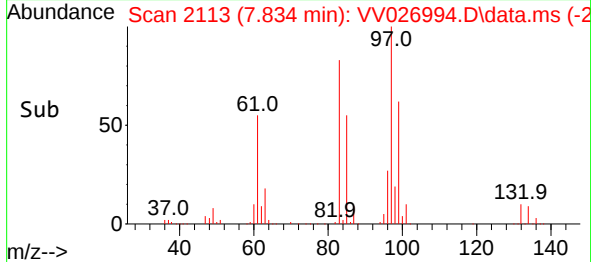
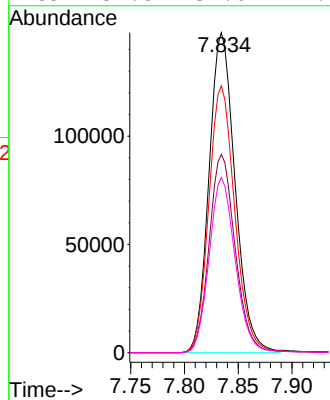
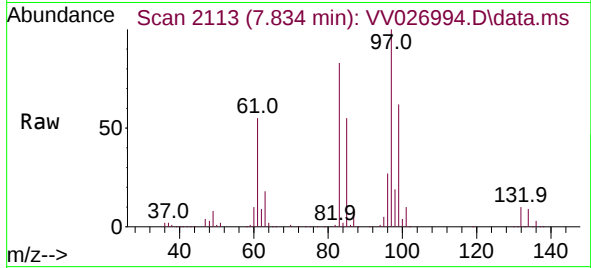


#45
1,1,2-Trichloroethane
Concen: 47.890 ug/L
RT: 7.834 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

Tgt Ion: 97 Resp: 249258

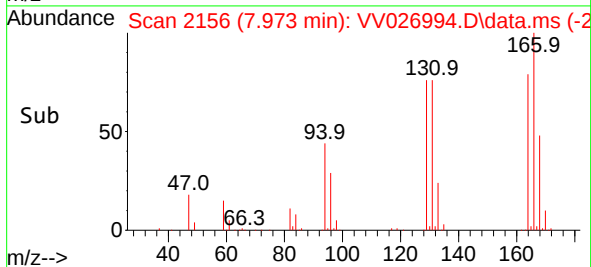
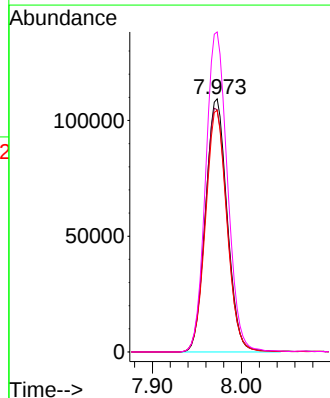
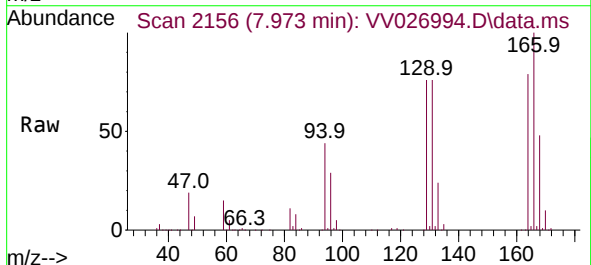
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.0	81.8
83	83.4	59.9	111.3
85	54.8	39.0	72.4

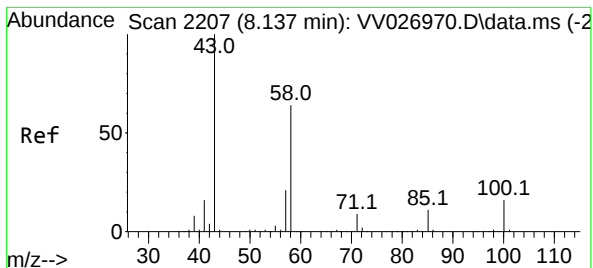


#46
Tetrachloroethene
Concen: 48.934 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 164 Resp: 184203

Ion	Ratio	Lower	Upper
164	100		
129	95.7	66.3	123.1
131	95.4	63.1	117.3
166	126.4	86.2	160.2





#48

2-Hexanone

Concen: 103.987 ug/L

RT: 8.137 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

Tgt Ion: 43 Resp: 470732

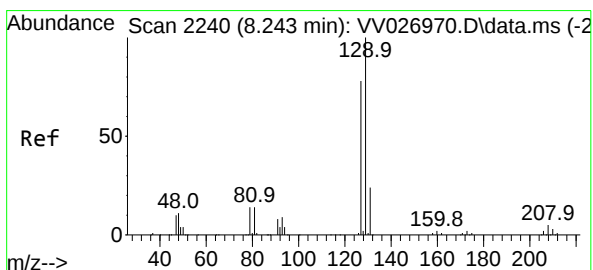
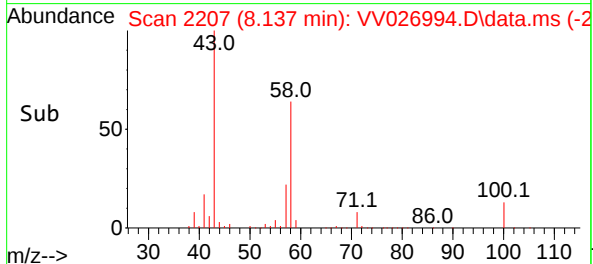
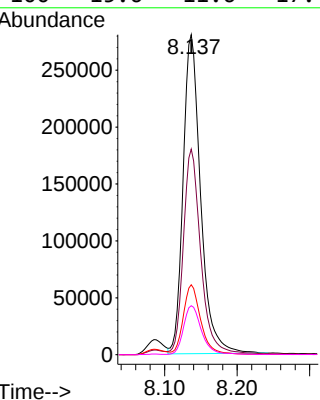
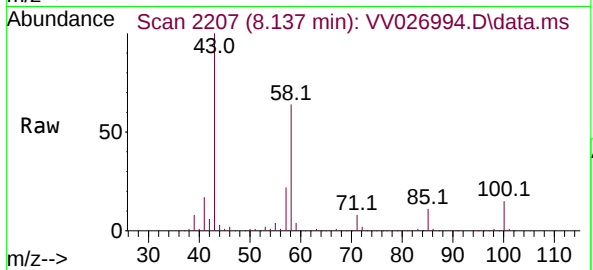
Ion Ratio Lower Upper

43 100

58 62.7 48.8 73.2

57 21.7 16.6 24.8

100 15.6 11.6 17.4



#49

Dibromochloromethane

Concen: 47.819 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV026994.D

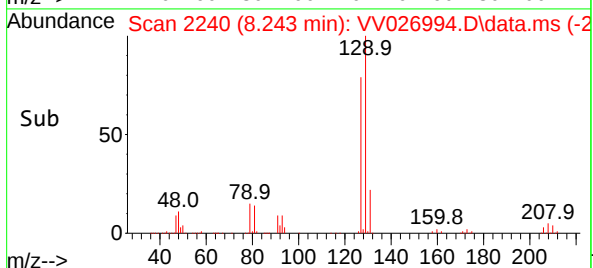
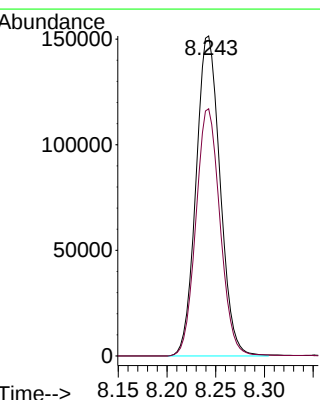
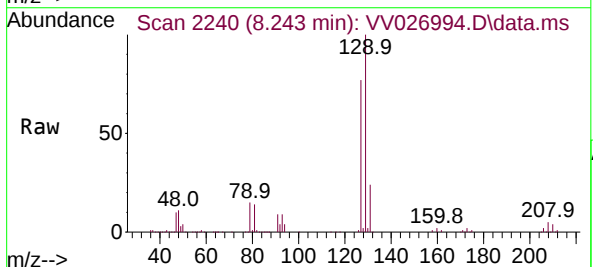
Acq: 27 Jul 2022 10:26

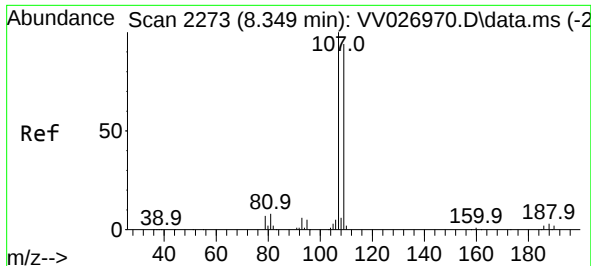
Tgt Ion:129 Resp: 260141

Ion Ratio Lower Upper

129 100

127 77.3 53.7 99.7





#50

1,2-Dibromoethane

Concen: 47.624 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

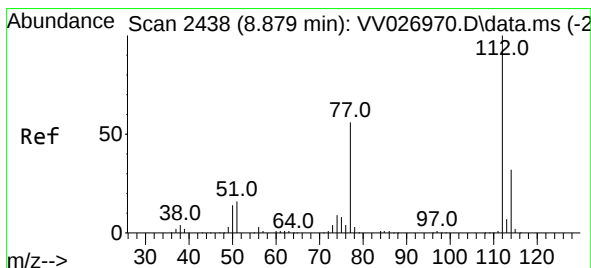
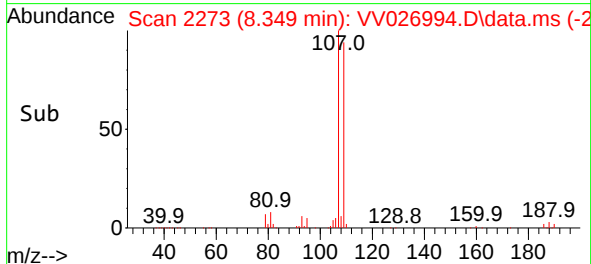
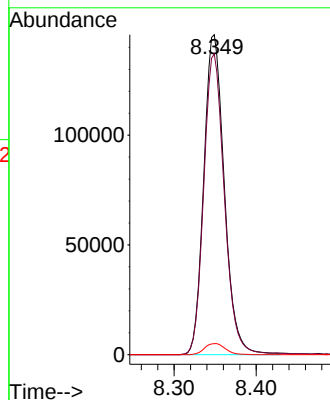
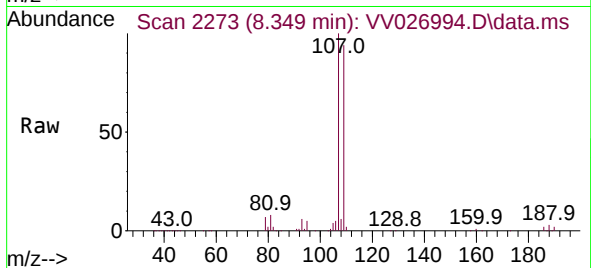
Tgt Ion:107 Resp: 253605

Ion Ratio Lower Upper

107 100

109 93.9 64.9 120.5

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 48.000 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

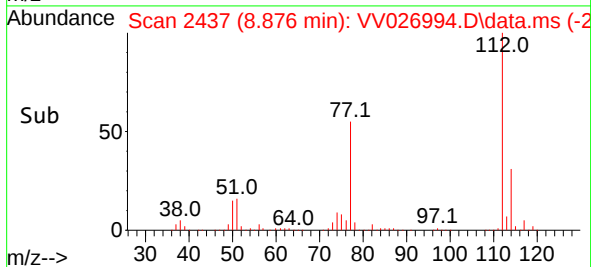
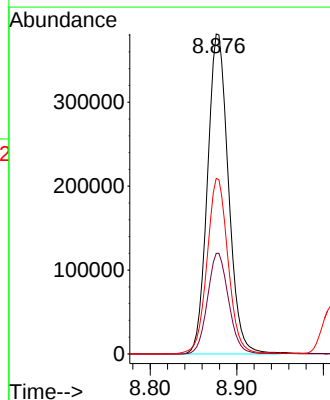
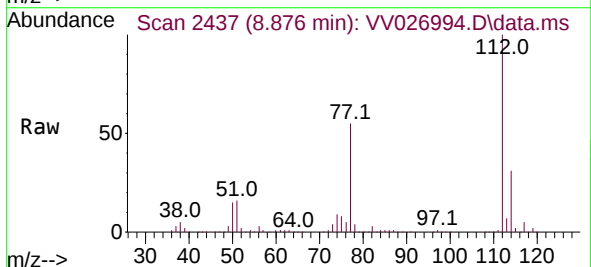
Tgt Ion:112 Resp: 641299

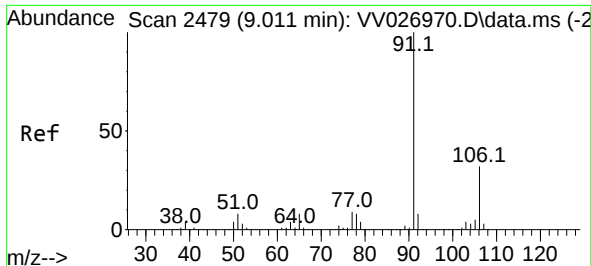
Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.1

77 54.8 44.4 66.6





#52

Ethylbenzene

Concen: 49.856 ug/L

RT: 9.008 min Scan# 2479

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

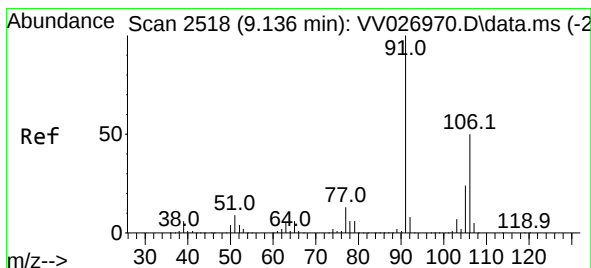
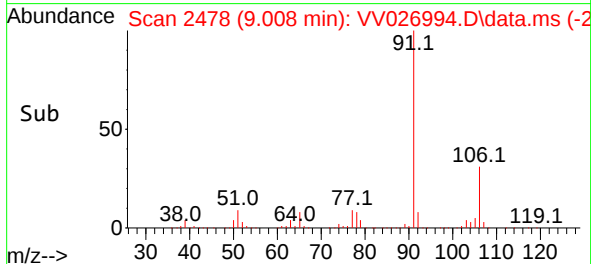
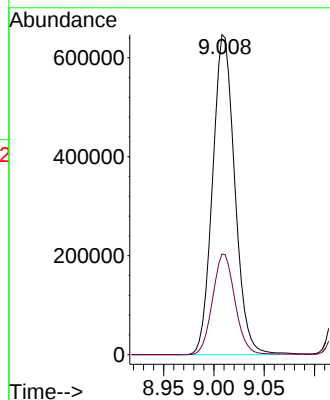
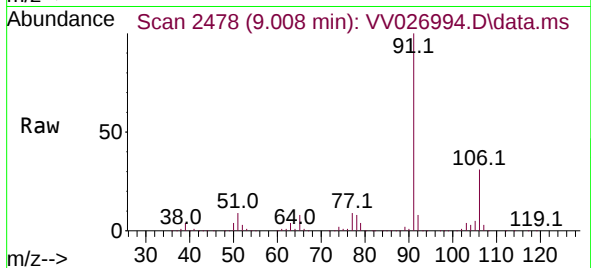
VSTD050312

Tgt Ion: 91 Resp: 991920

Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



#53

m,p-Xylene

Concen: 52.296 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV026994.D

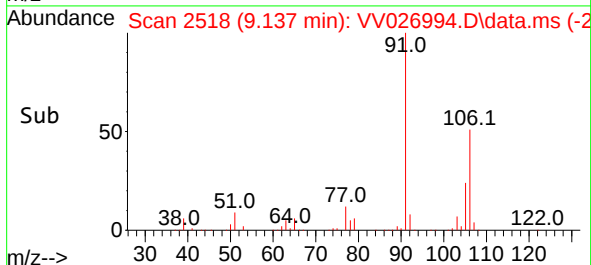
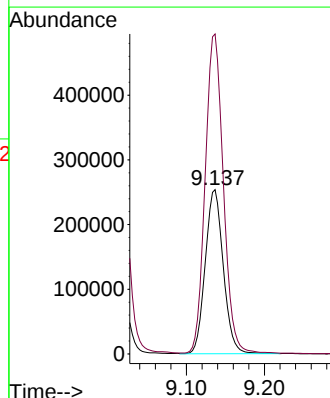
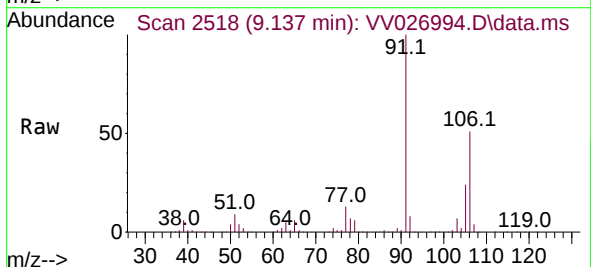
Acq: 27 Jul 2022 10:26

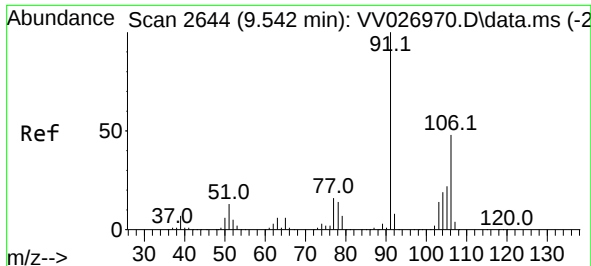
Tgt Ion:106 Resp: 407400

Ion Ratio Lower Upper

106 100

91 194.7 140.0 260.0

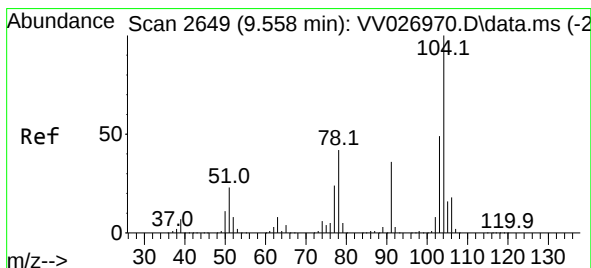
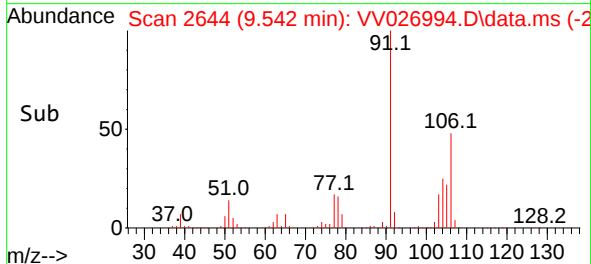
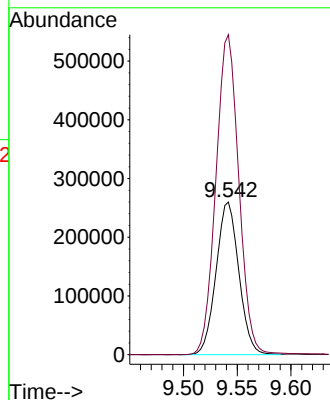
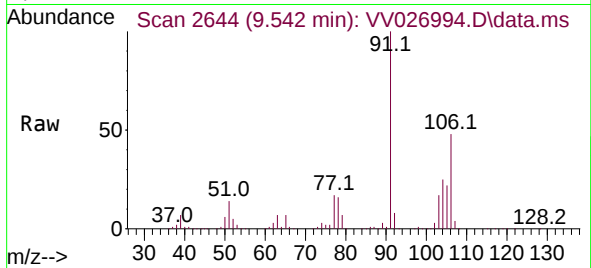




#54
o-Xylene
Concen: 51.135 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

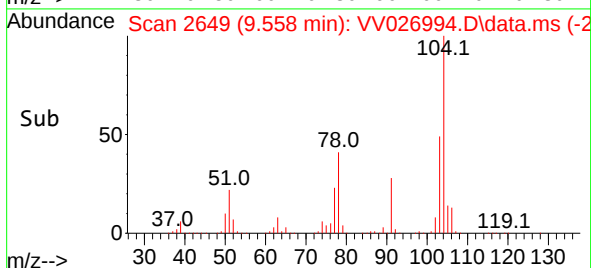
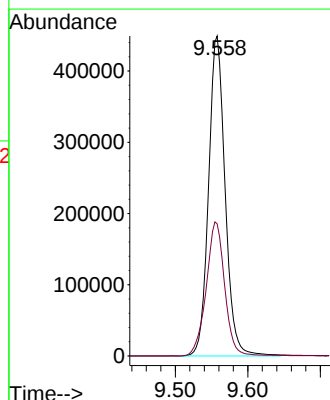
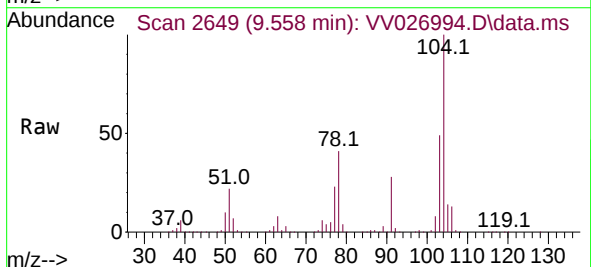
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

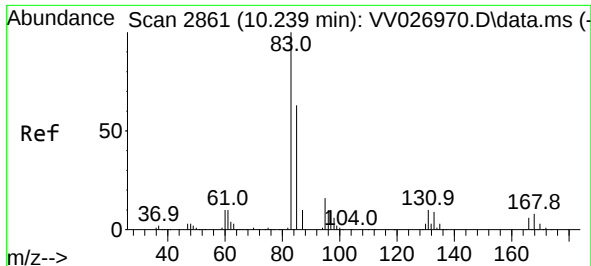
Tgt Ion:106 Resp: 383658
Ion Ratio Lower Upper
106 100
91 209.7 146.1 271.3



#55
Styrene
Concen: 53.782 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion:104 Resp: 712645
Ion Ratio Lower Upper
104 100
78 41.3 29.6 55.0

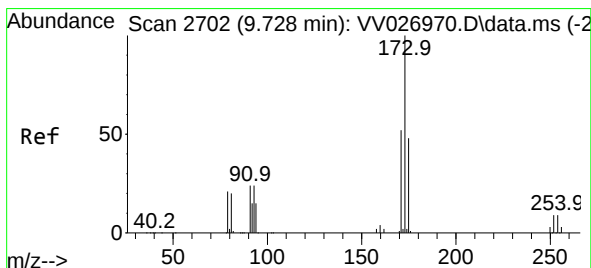
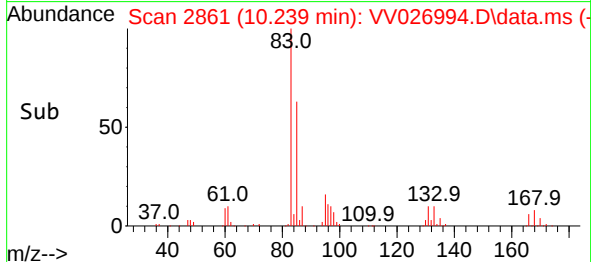
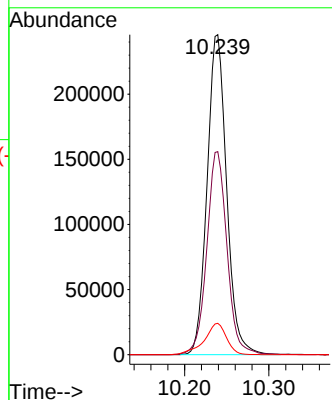
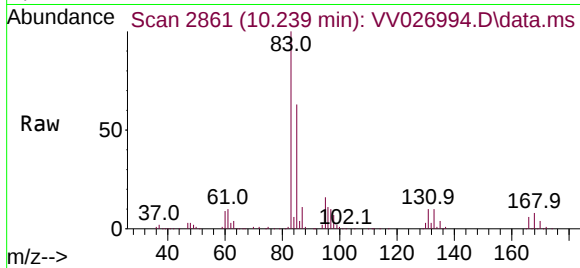




#57
 1,1,2-Tetrachloroethane
 Concen: 47.201 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

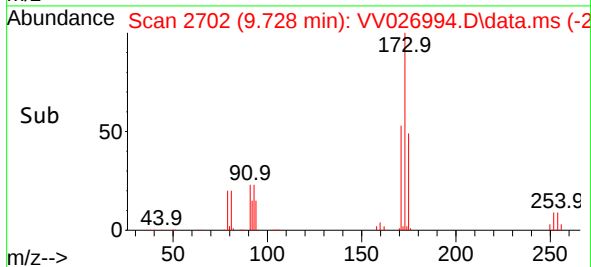
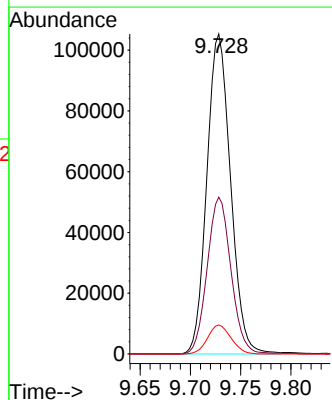
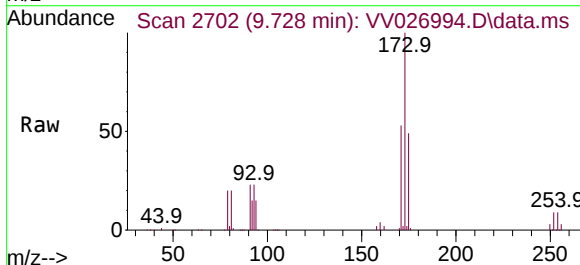
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

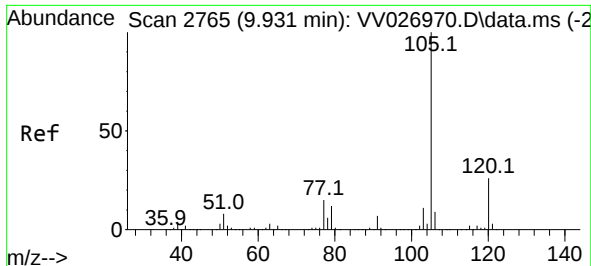
Tgt Ion: 83 Resp: 396567
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 131 9.8 7.8 11.6



#59
 Bromoform
 Concen: 46.361 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion: 173 Resp: 172638
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.6 57.8
 254 8.9 6.6 10.0

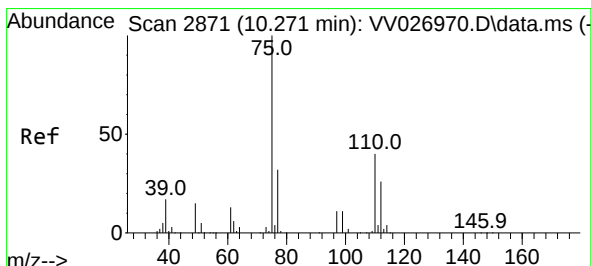
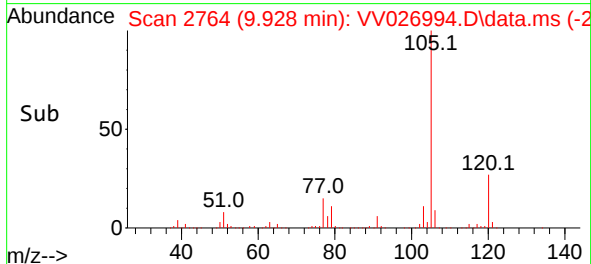
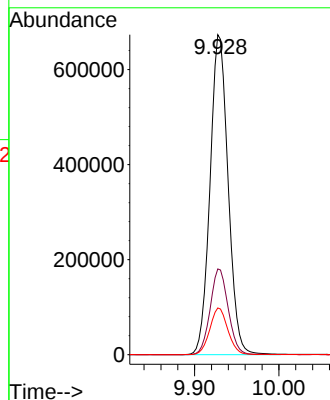
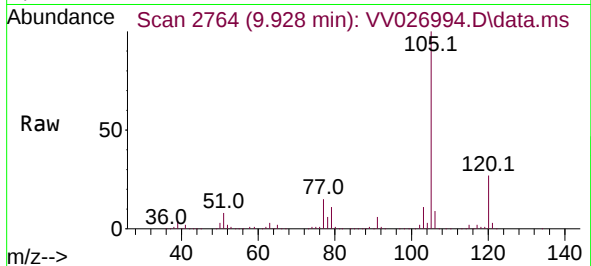




#60
Isopropylbenzene
Concen: 50.976 ug/L
RT: 9.928 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

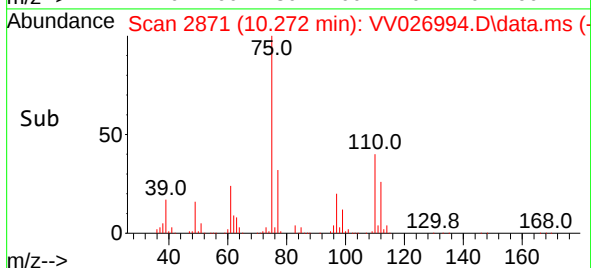
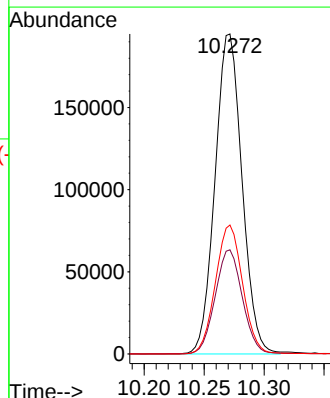
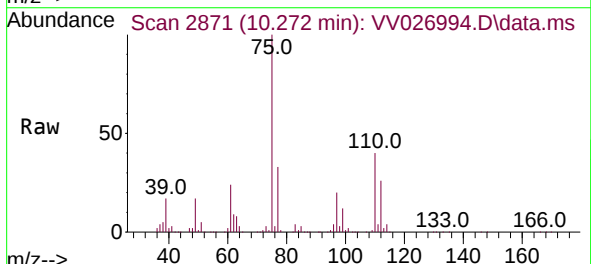
Instrument :
MSVOA_V
ClientSampleId :
VSTD050312

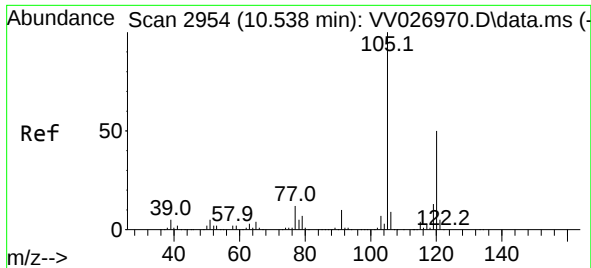
Tgt Ion:105 Resp: 1004085
Ion Ratio Lower Upper
105 100
120 26.8 21.1 31.7
77 14.6 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 45.530 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV026994.D
Acq: 27 Jul 2022 10:26

Tgt Ion: 75 Resp: 304514
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4
110 40.5 31.7 47.5

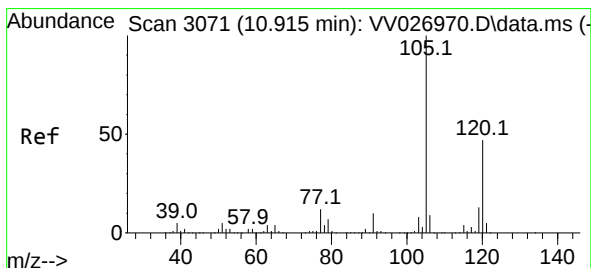
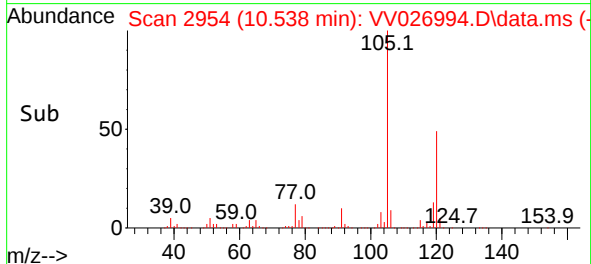
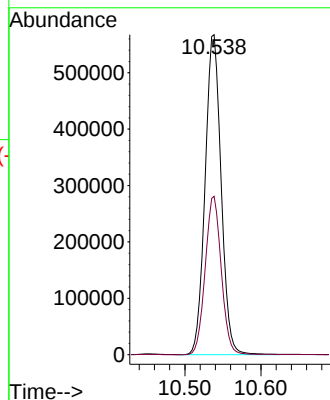
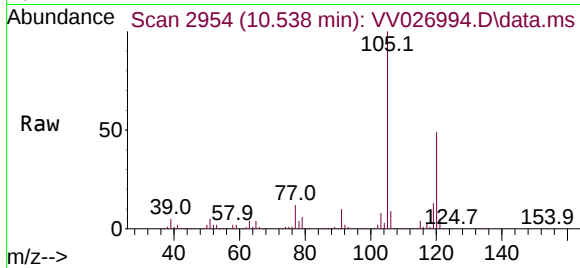




#62
 1,3,5-Trimethylbenzene
 Concen: 51.964 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

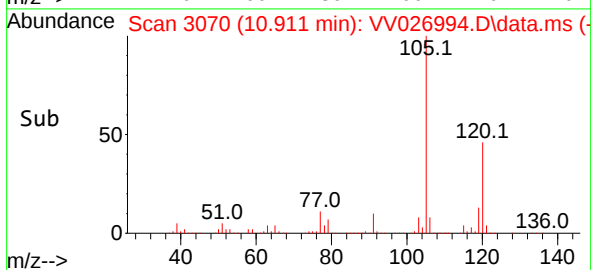
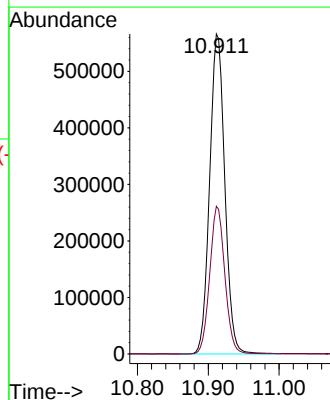
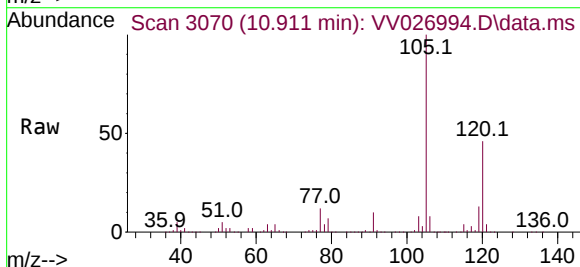
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

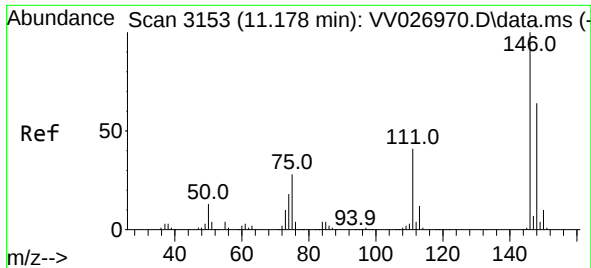
Tgt Ion:105 Resp: 831863
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 52.272 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.003 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion:105 Resp: 839343
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.1 55.7

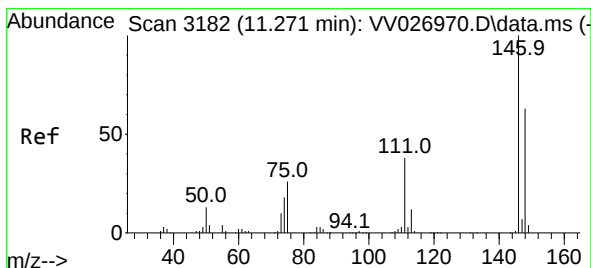
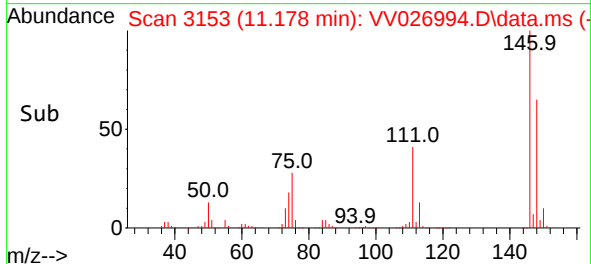
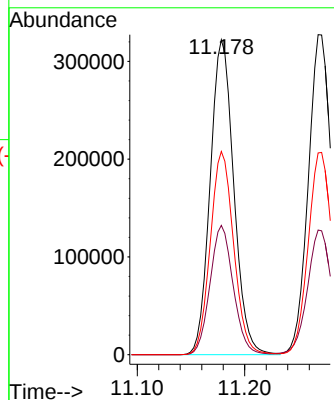
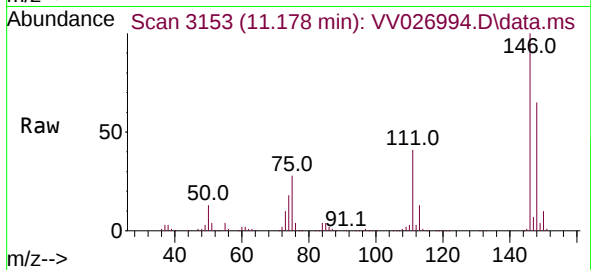




#64
 1,3-Dichlorobenzene
 Concen: 48.881 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

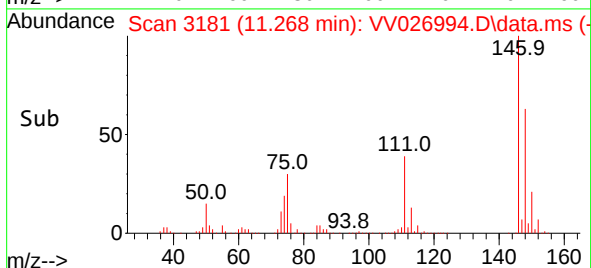
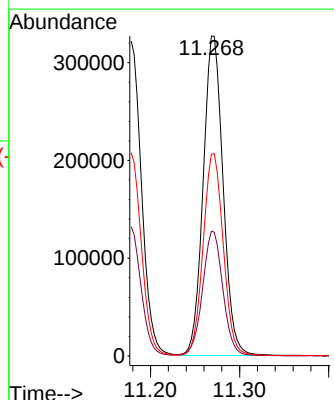
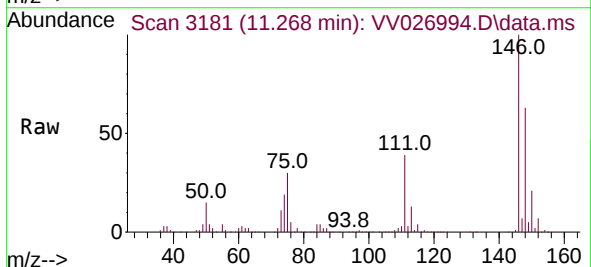
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

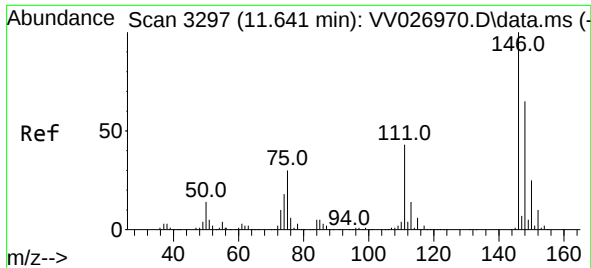
Tgt Ion:146 Resp: 491934
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.9 51.9
 148 64.5 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 47.472 ug/L
 RT: 11.268 min Scan# 3181
 Delta R.T. -0.003 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion:146 Resp: 506237
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 51.0
 148 63.1 44.4 82.4

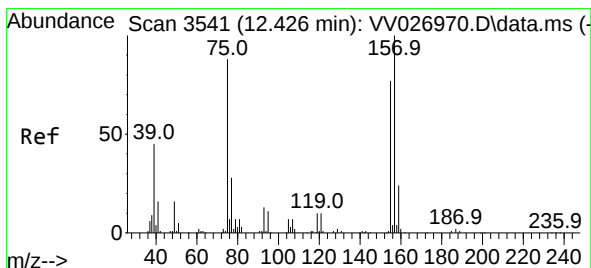
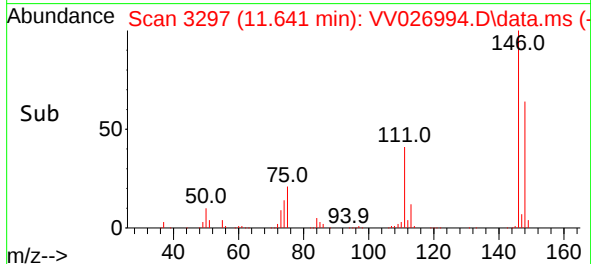
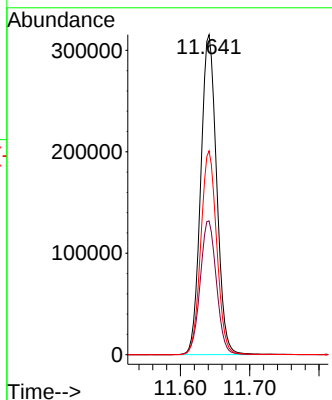
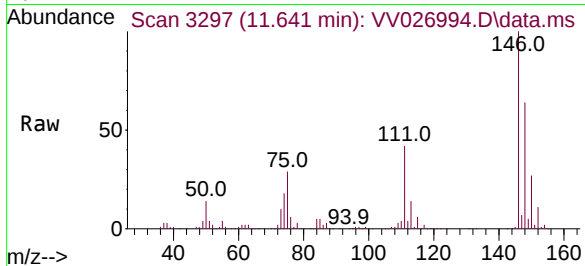




#67
 1,2-Dichlorobenzene
 Concen: 48.579 ug/L
 RT: 11.641 min Scan# 3297
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

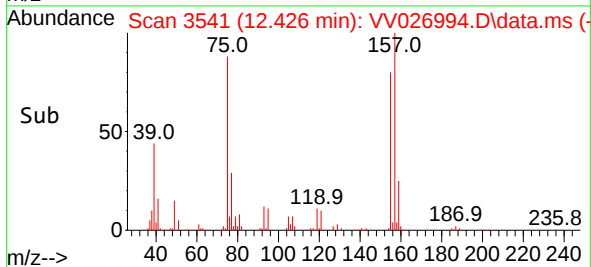
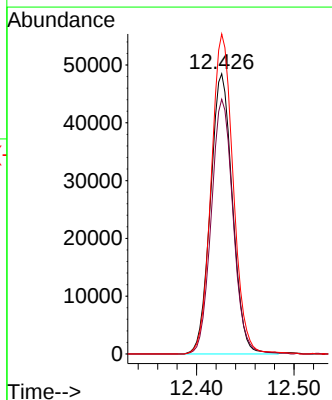
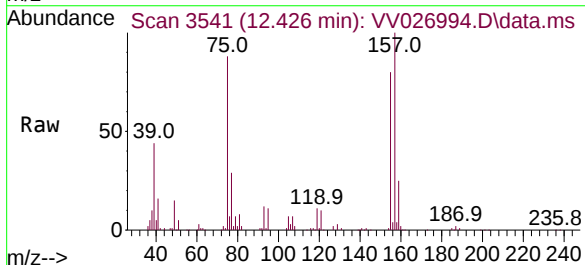
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

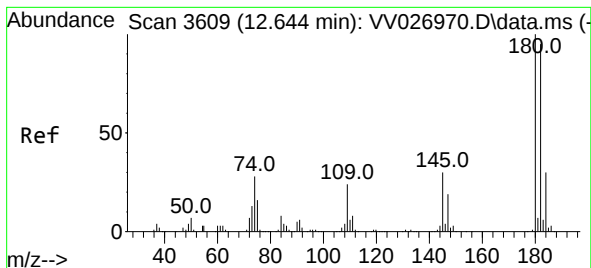
Tgt Ion:146 Resp: 501605
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.2 49.8
 148 63.7 51.4 77.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 42.635 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. 0.000 min
 Lab File: VV026994.D
 Acq: 27 Jul 2022 10:26

Tgt Ion: 75 Resp: 76183
 Ion Ratio Lower Upper
 75 100
 155 90.9 67.7 101.5
 157 114.2 87.1 130.7





#69

1,3,5-Trichlorobenzene

Concen: 46.988 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

Tgt Ion:180 Resp: 334771

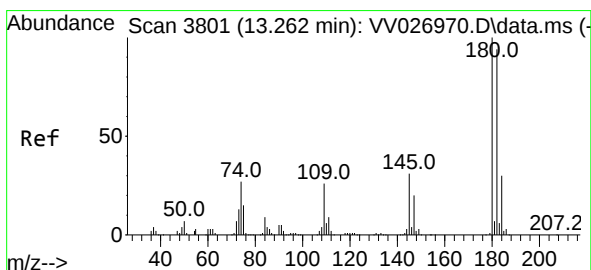
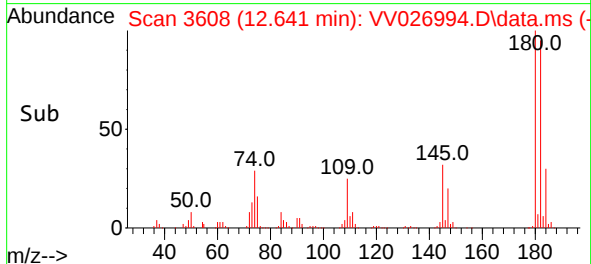
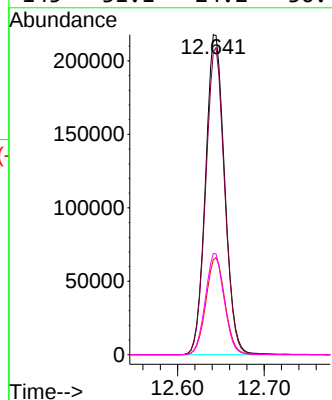
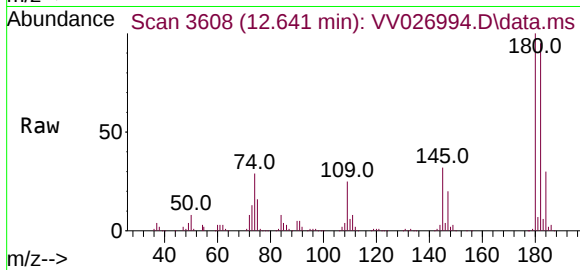
Ion Ratio Lower Upper

180 100

182 94.7 75.6 113.4

184 30.3 23.8 35.8

145 31.1 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 46.320 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.003 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

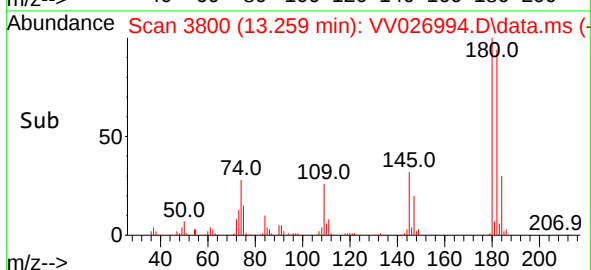
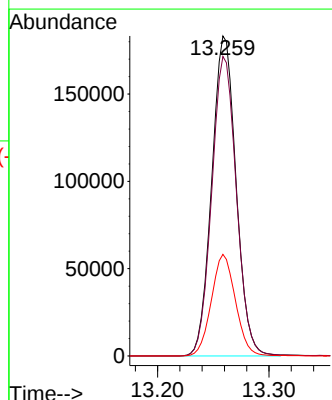
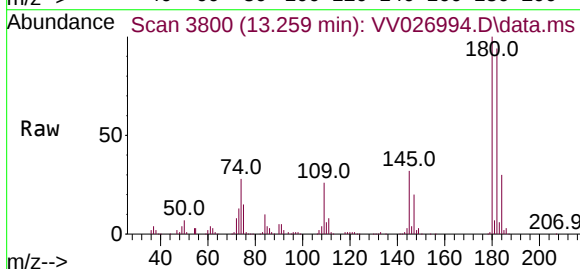
Tgt Ion:180 Resp: 278057

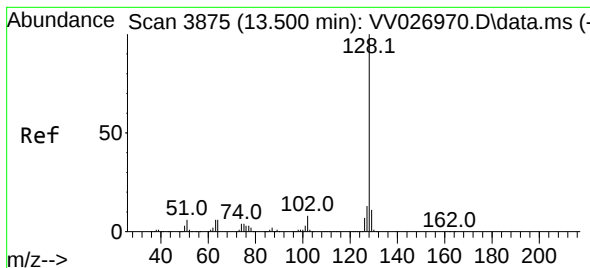
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 31.5 25.0 37.6





#71

Naphthalene

Concen: 45.906 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD050312

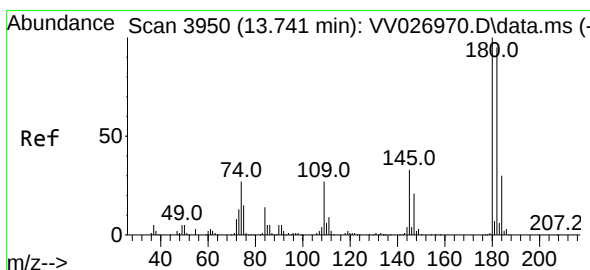
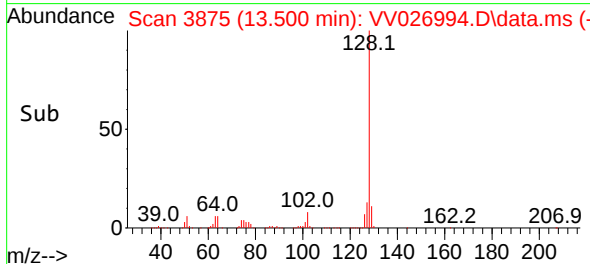
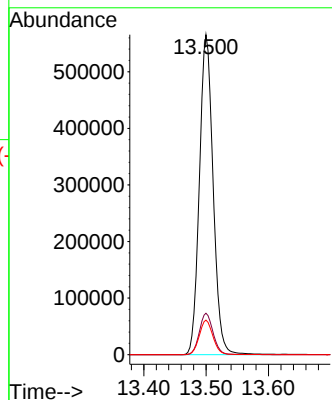
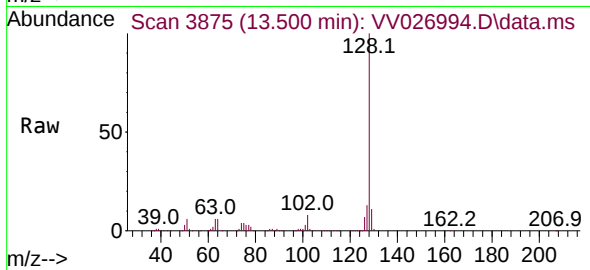
Tgt Ion:128 Resp: 866578

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.014 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV026994.D

Acq: 27 Jul 2022 10:26

Tgt Ion:180 Resp: 306915

Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.2

145 33.1 26.6 40.0

