

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072822\
 Data File : VW027049.D
 Acq On : 28 Jul 2022 20:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

Quant Time: Jul 29 02:05:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 29 01:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	578758	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	561240	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	302859	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	257407	46.749	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.500%
7) Chloroethane-d5	1.561	69	213676	48.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.960%
11) 1,1-Dichloroethene-d2	2.101	63	450342	48.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.080%
21) 2-Butanone-d5	3.883	46	316842	100.917	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.920%
24) Chloroform-d	4.342	84	492023	49.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.220%
26) 1,2-Dichloroethane-d4	5.027	65	281960	50.086	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
32) Benzene-d6	5.047	84	1004203	50.952	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.900%
36) 1,2-Dichloropropane-d6	6.066	67	310784	51.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.040%
41) Toluene-d8	7.313	98	936491	52.570	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.140%
43) trans-1,3-Dichloroprop...	7.619	79	136959	51.398	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.800%
47) 2-Hexanone-d5	8.088	63	295066	113.784	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.780%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	467868	51.441	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	335749	49.315	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	293396	48.846	ug/L	99
3) Chloromethane	1.236	50	279165	50.828	ug/L	100
5) Vinyl chloride	1.307	62	299814	51.462	ug/L	98
6) Bromomethane	1.516	94	181415	50.705	ug/L	99
8) Chloroethane	1.581	64	177196	51.802	ug/L	100
9) Trichlorofluoromethane	1.748	101	373390	49.957	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	211330	48.979	ug/L	99
12) 1,1-Dichloroethene	2.111	96	212241	50.345	ug/L	96
13) Acetone	2.172	43	158875	68.321	ug/L	84
14) Carbon disulfide	2.288	76	662879	49.563	ug/L	100
15) Methyl Acetate	2.429	43	200466	51.874	ug/L	100
16) Methylene chloride	2.500	84	266691	49.630	ug/L	100
17) trans-1,2-Dichloroethene	2.754	96	235726	51.074	ug/L	100
18) Methyl tert-butyl Ether	2.764	73	680507	53.680	ug/L	100
19) 1,1-Dichloroethane	3.185	63	421939	52.352	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	251302	52.653	ug/L	99
22) 2-Butanone	3.966	43	258988	100.953	ug/L	91
23) Bromochloromethane	4.243	128	138694	53.945	ug/L	98
25) Chloroform	4.368	83	439571	51.731	ug/L	100

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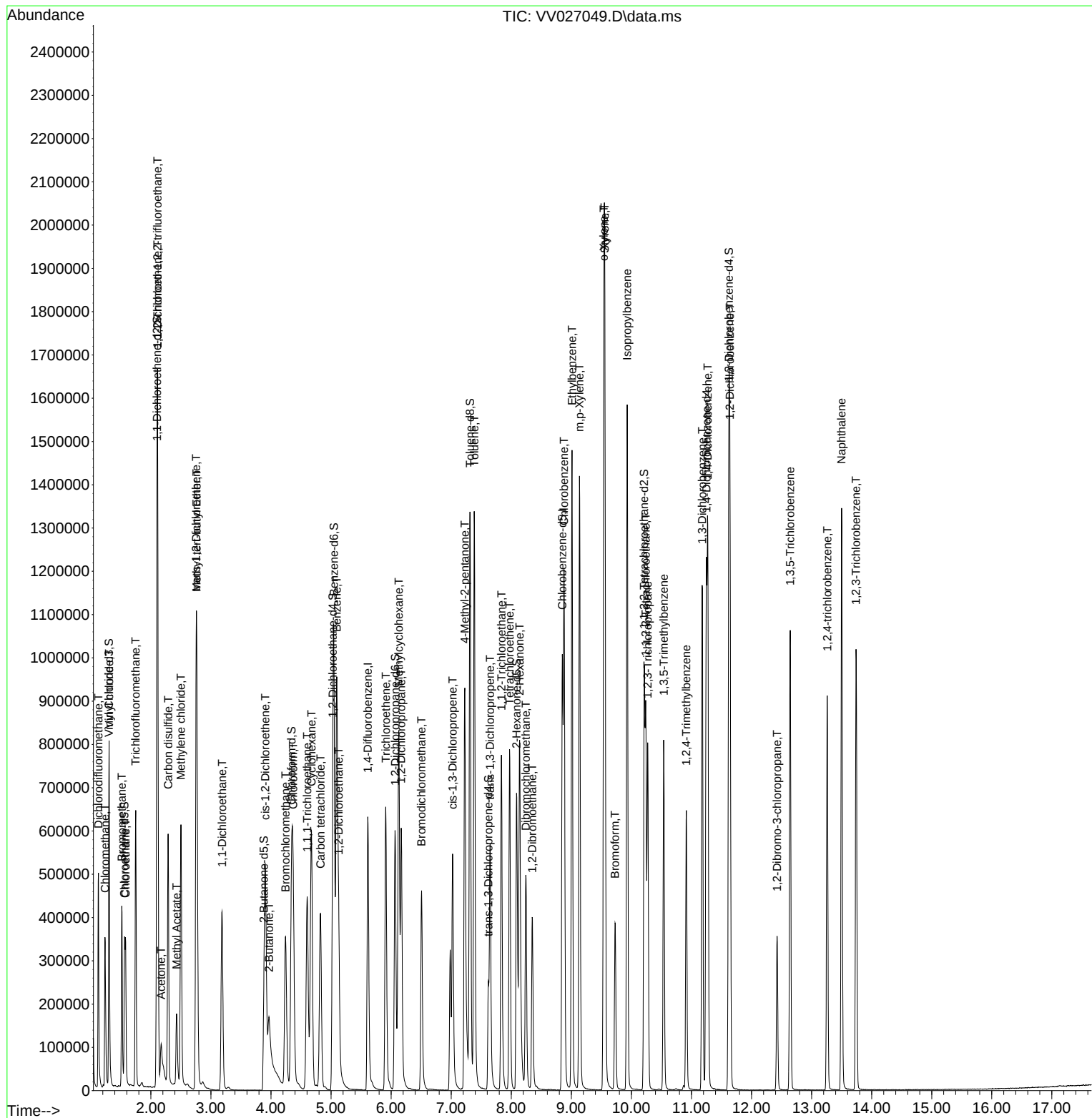
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 Quant Title : VOC Analysis
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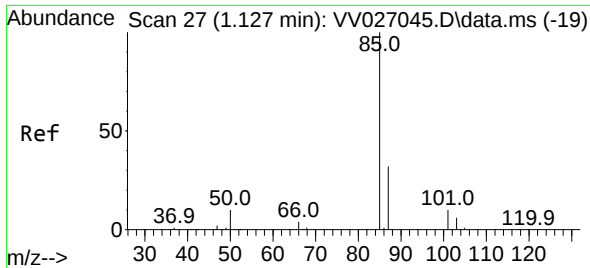
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	302192	51.681	ug/L	100
29) Cyclohexane	4.674	56	320990	53.231	ug/L	99
30) 1,1,1-Trichloroethane	4.603	97	377963	52.469	ug/L	99
31) Carbon tetrachloride	4.825	117	322139	51.370	ug/L	99
33) Benzene	5.095	78	977518	54.045	ug/L	100
34) Trichloroethene	5.912	95	240541	51.672	ug/L	99
35) Methylcyclohexane	6.127	83	359385	51.749	ug/L	99
37) 1,2-Dichloropropane	6.169	63	251417	55.541	ug/L	100
38) Bromodichloromethane	6.506	83	324690	54.002	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	361933	55.735	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	672956	117.536	ug/L	99
42) Toluene	7.384	91	1026222	55.030	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	343141	54.351	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	261396	53.936	ug/L	98
46) Tetrachloroethene	7.973	164	183307	50.344	ug/L	99
48) 2-Hexanone	8.140	43	538589	119.368	ug/L	100
49) Dibromochloromethane	8.243	129	268264	53.824	ug/L	99
50) 1,2-Dibromoethane	8.349	107	275007	54.114	ug/L	99
51) Chlorobenzene	8.879	112	660380	52.509	ug/L	99
52) Ethylbenzene	9.011	91	1030329	54.565	ug/L	99
53) m,p-Xylene	9.136	106	413213	55.636	ug/L	99
54) o-Xylene	9.542	106	403893	56.469	ug/L	100
55) Styrene	9.558	104	731507	58.438	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	425903	54.507	ug/L	100
59) Bromoform	9.728	173	180022	52.328	ug/L	99
60) Isopropylbenzene	9.931	105	1012715	53.584	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	329900	51.939	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	432250	53.434	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	351264	54.414	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	484263	52.782	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	497625	51.470	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	509651	53.191	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	88117	52.913	ug/L	98
69) 1,3,5-Trichlorobenzene	12.644	180	327503	52.629	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	280756	52.712	ug/L	99
71) Naphthalene	13.500	128	1020390	55.059	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	312481	54.090	ug/L	98

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

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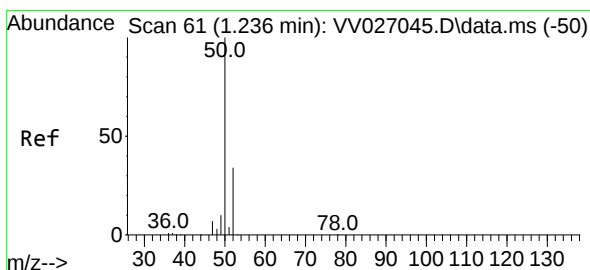
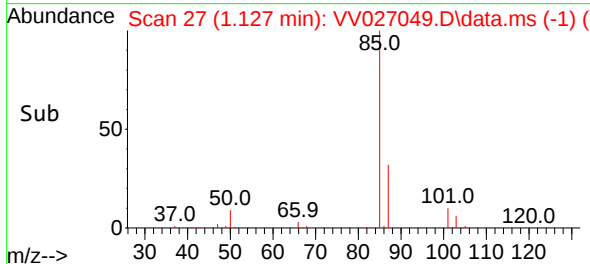
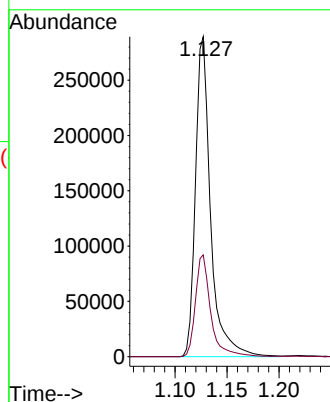
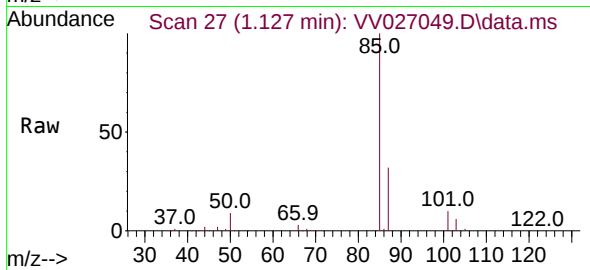




#2
 Dichlorodifluoromethane
 Concen: 48.846 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

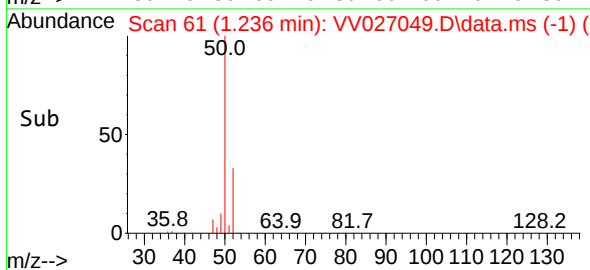
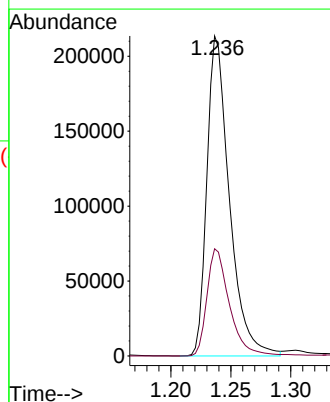
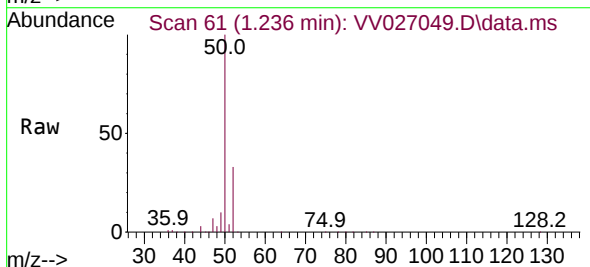
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 ClientSampleId :
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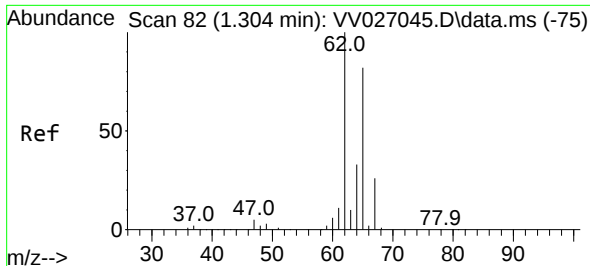
Tgt Ion: 85 Resp: 293396
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.1 39.1



#3
 Chloromethane
 Concen: 50.828 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

Tgt Ion: 50 Resp: 279165
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.5 43.7

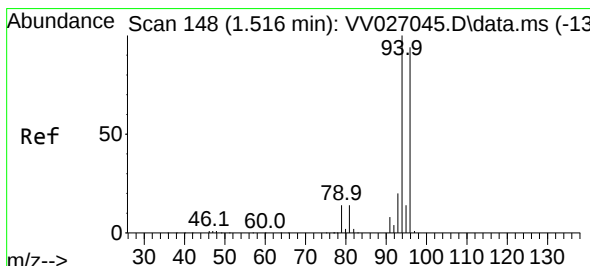
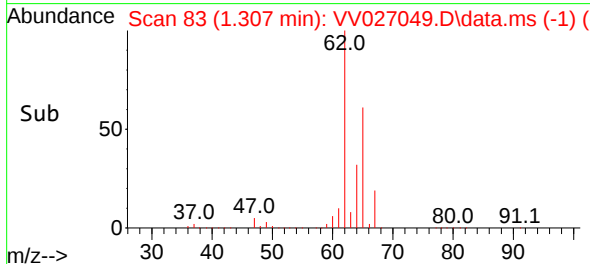
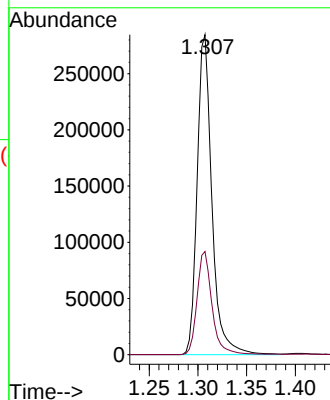
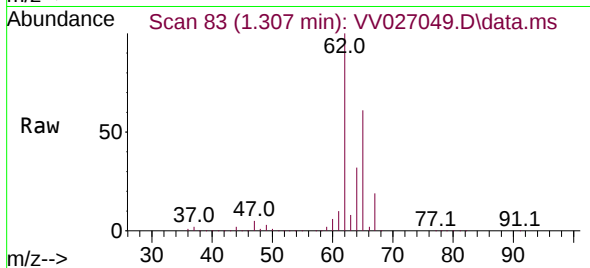




#5
 Vinyl chloride
 Concen: 51.462 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

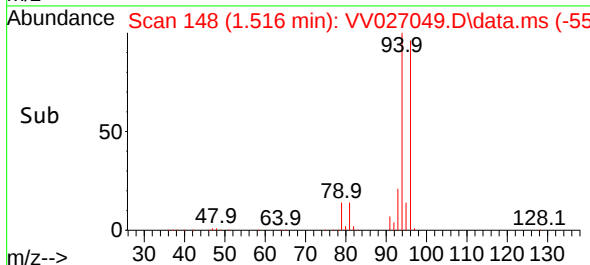
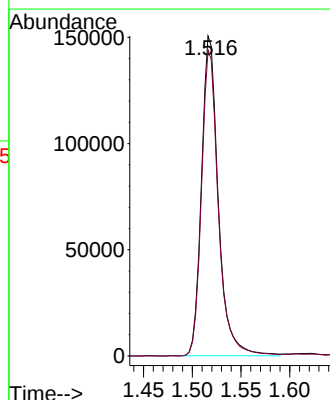
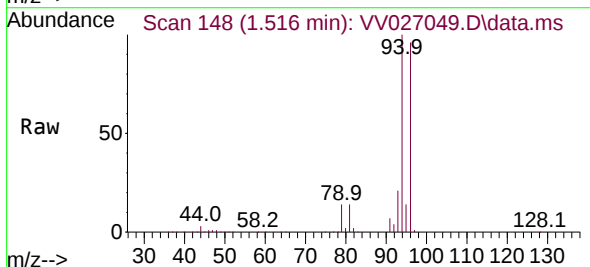
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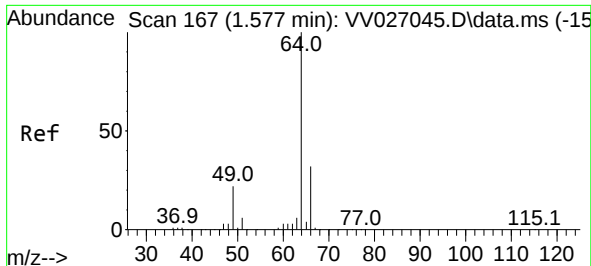
Tgt Ion: 62 Resp: 299814
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.2



#6
 Bromomethane
 Concen: 50.705 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

Tgt Ion: 94 Resp: 181415
 Ion Ratio Lower Upper
 94 100
 96 95.6 66.1 122.8

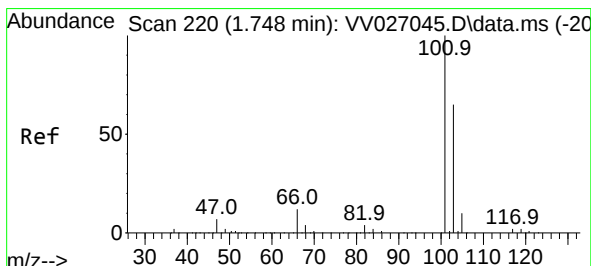
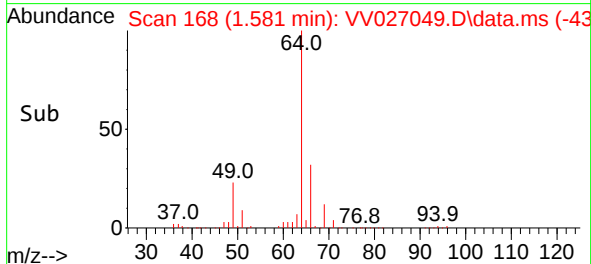
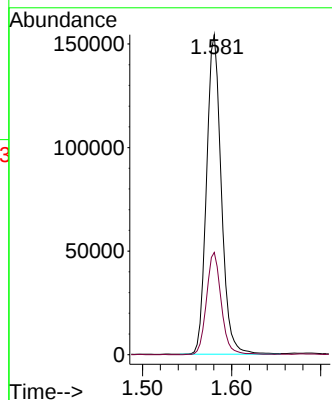
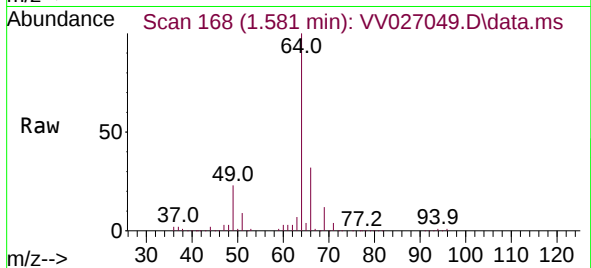




#8
Chloroethane
Concen: 51.802 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

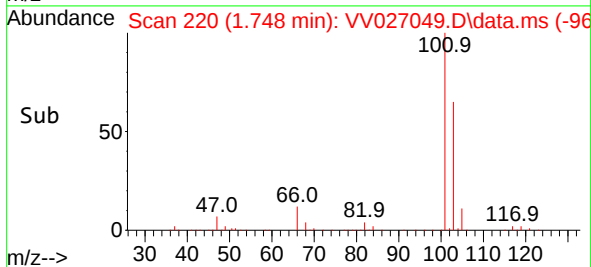
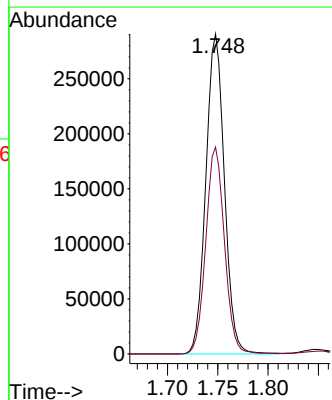
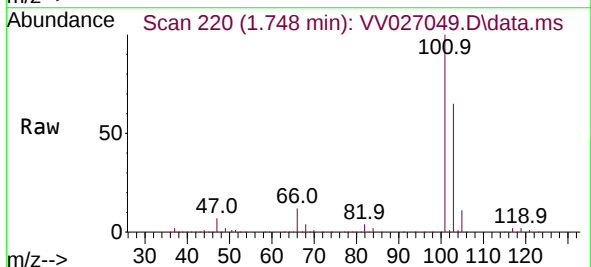
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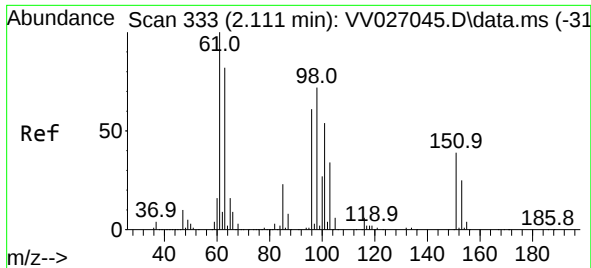
Tgt Ion: 64 Resp: 177196
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.957 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:101 Resp: 373390
Ion Ratio Lower Upper
101 100
103 65.2 52.4 78.6

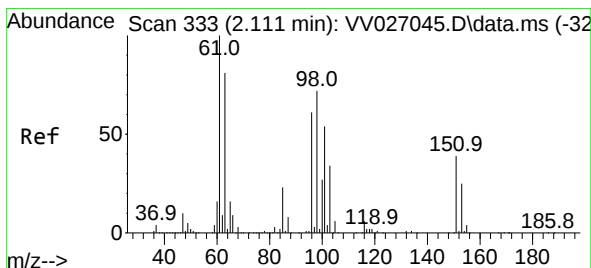
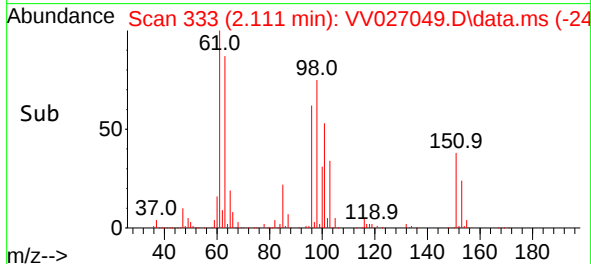
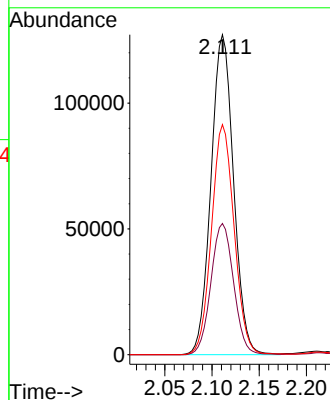
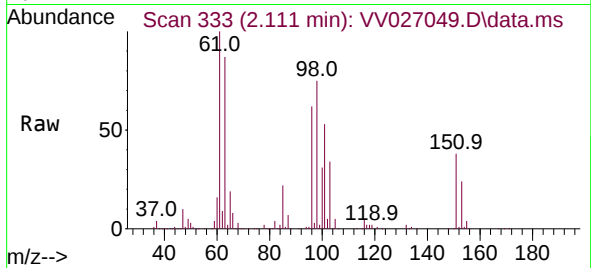




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.979 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

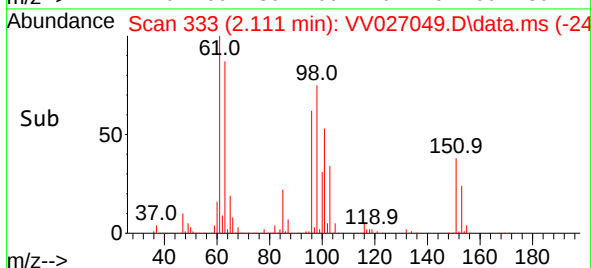
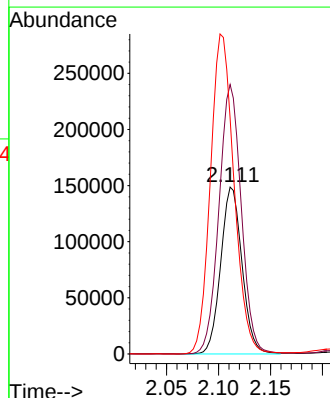
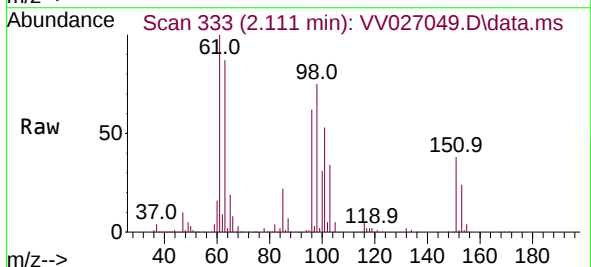
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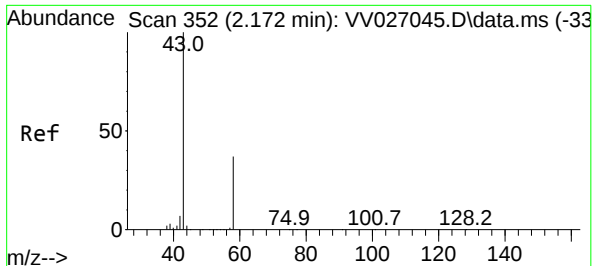
Tgt Ion:101 Resp: 211330
 Ion Ratio Lower Upper
 101 100
 85 41.2 34.1 51.1
 151 72.1 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 50.345 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

Tgt Ion: 96 Resp: 212241
 Ion Ratio Lower Upper
 96 100
 61 161.5 114.3 212.3
 63 141.3 93.4 173.4





#13

Acetone

Concen: 68.321 ug/L

RT: 2.172 min Scan# 352

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

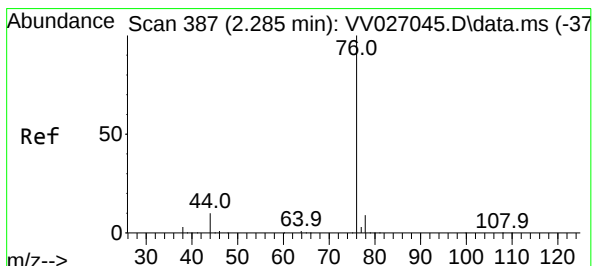
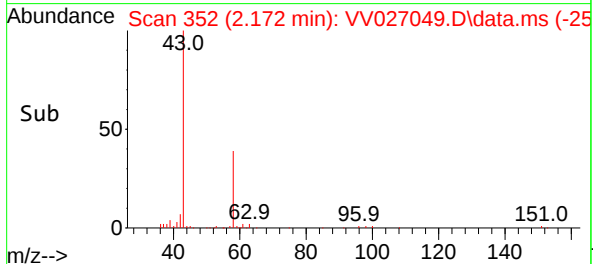
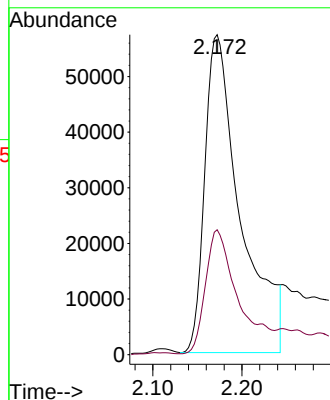
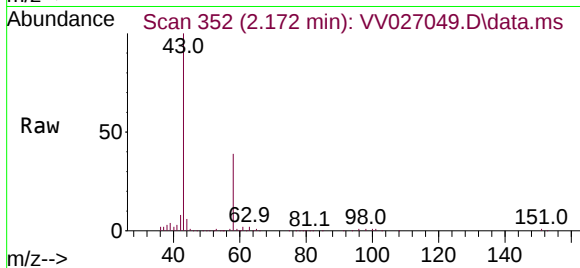
VSTD050316

Tgt Ion: 43 Resp: 158875

Ion Ratio Lower Upper

43 100

58 32.8 0.0 49.6



#14

Carbon disulfide

Concen: 49.563 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV027049.D

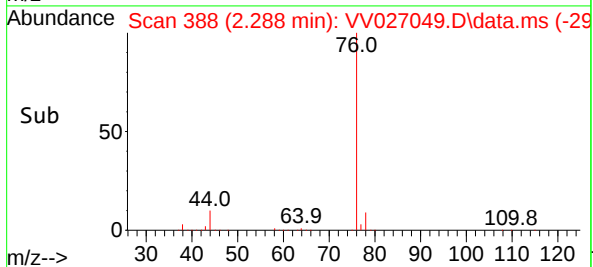
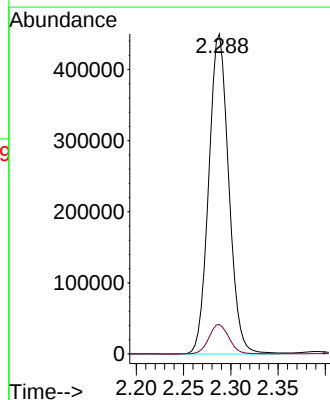
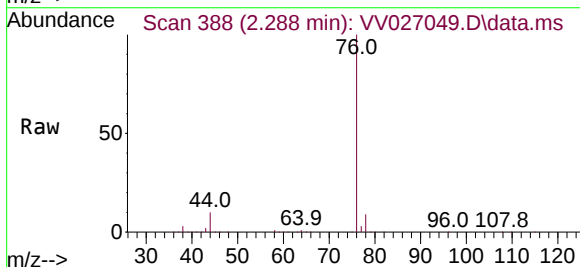
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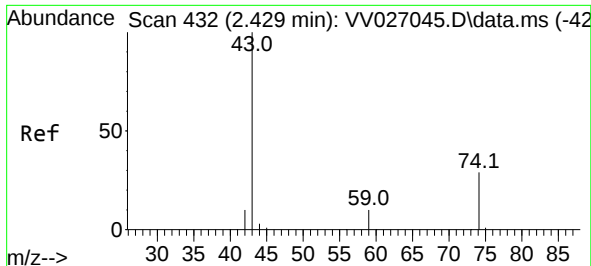
Tgt Ion: 76 Resp: 662879

Ion Ratio Lower Upper

76 100

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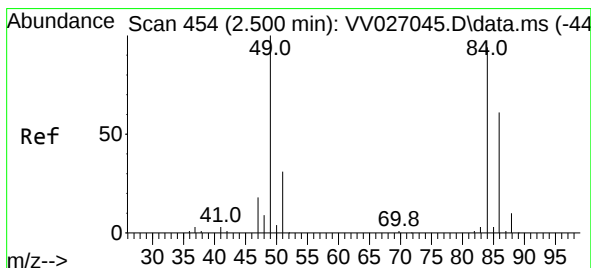
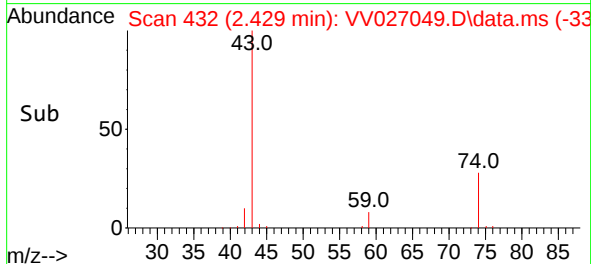
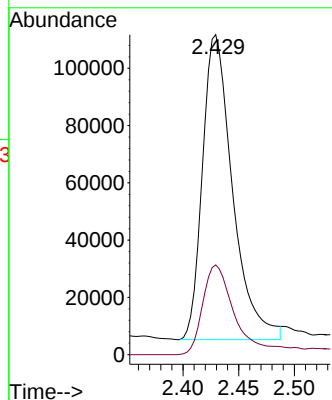
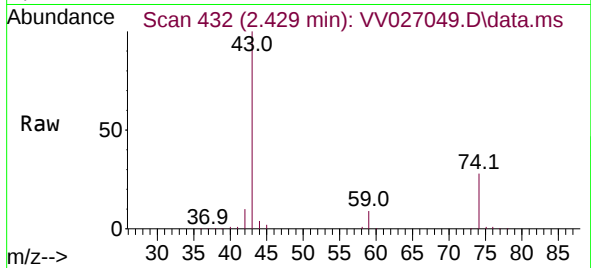




#15
Methyl Acetate
Concen: 51.874 ug/L
RT: 2.429 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

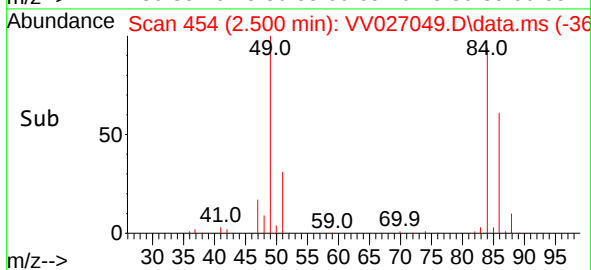
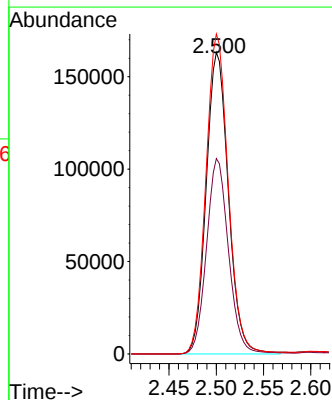
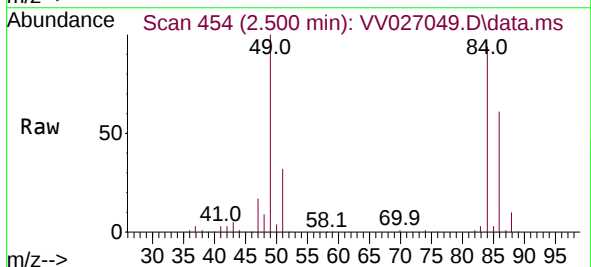
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

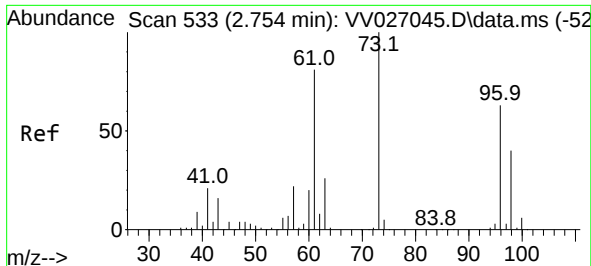
Tgt Ion: 43 Resp: 200466
Ion Ratio Lower Upper
43 100
74 31.8 25.5 38.3



#16
Methylene chloride
Concen: 49.630 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 84 Resp: 266691
Ion Ratio Lower Upper
84 100
86 64.8 45.0 83.6
49 106.1 74.1 137.7

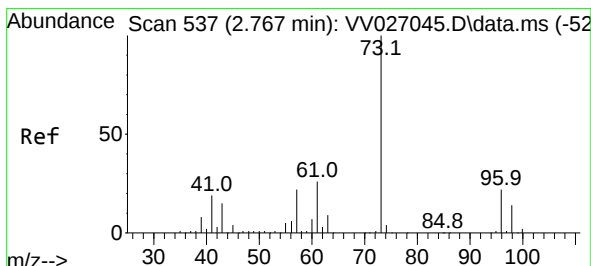
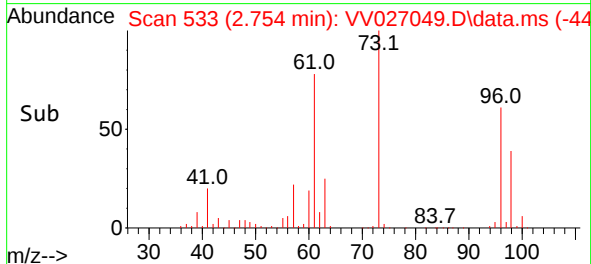
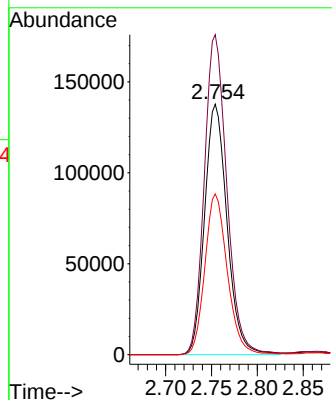
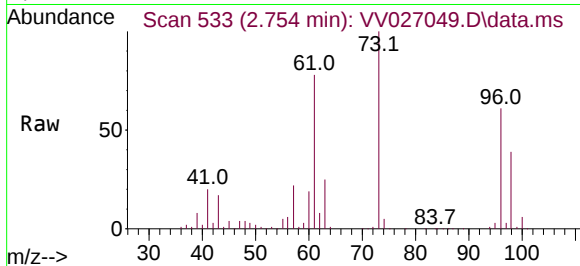




#17
trans-1,2-Dichloroethene
Concen: 51.074 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

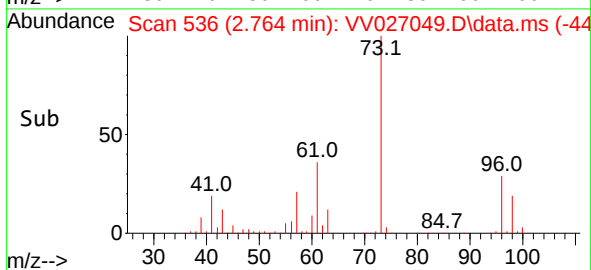
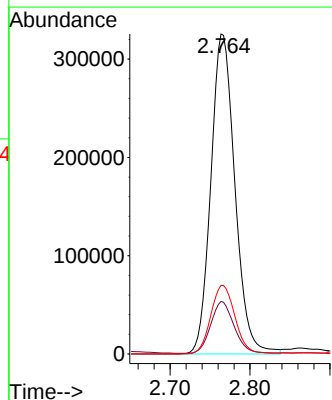
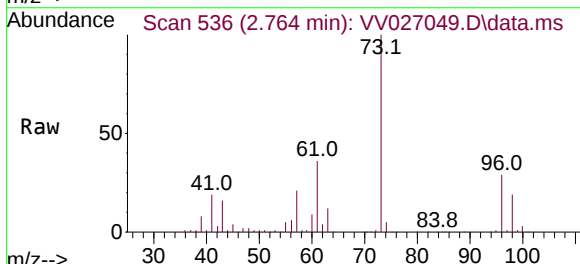
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

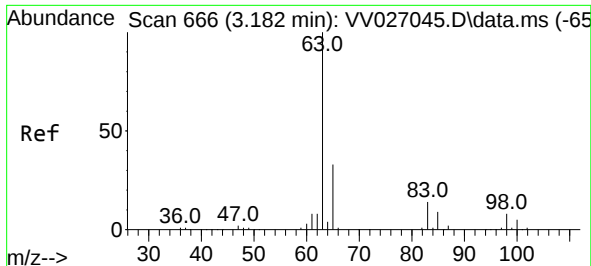
Tgt Ion: 96 Resp: 235726
Ion Ratio Lower Upper
96 100
61 127.7 89.2 165.6
98 64.2 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 53.680 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 73 Resp: 680507
Ion Ratio Lower Upper
73 100
43 15.6 12.6 18.8
57 21.6 17.3 25.9





#19

1,1-Dichloroethane

Concen: 52.352 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

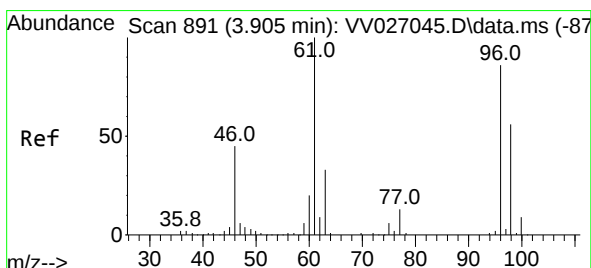
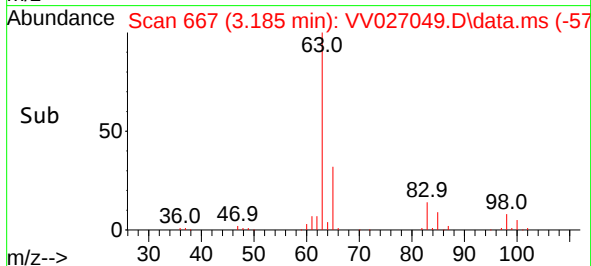
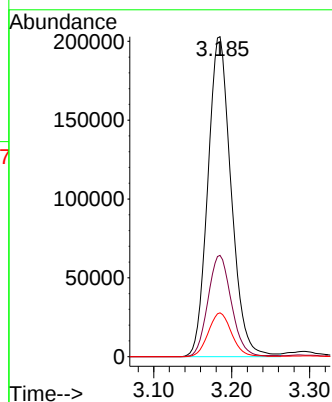
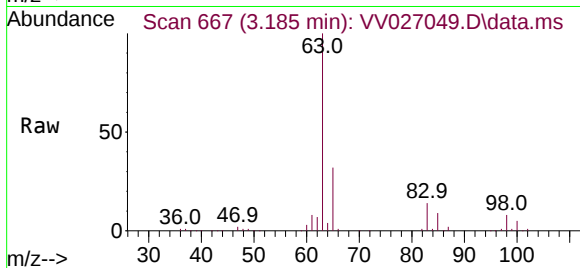
Tgt Ion: 63 Resp: 421939

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 52.653 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

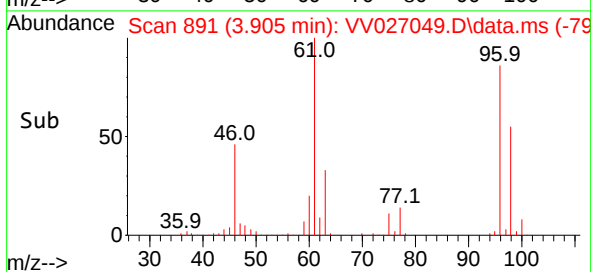
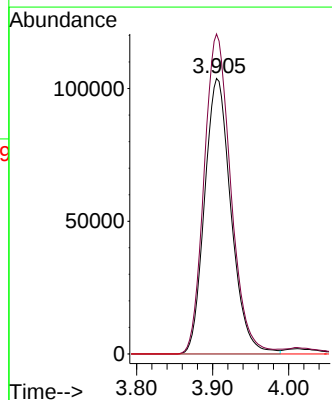
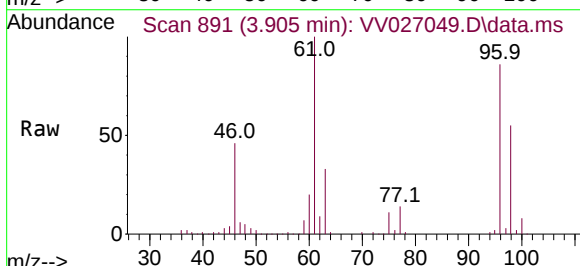
Tgt Ion: 96 Resp: 251302

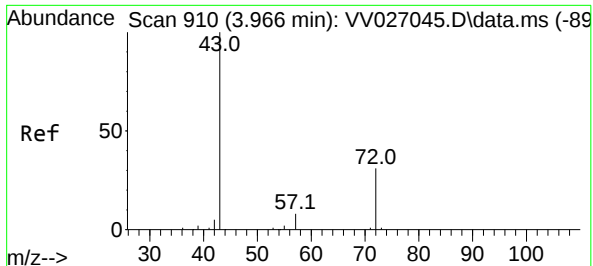
Ion Ratio Lower Upper

96 100

61 116.1 81.8 151.8

68 0.0 0.0 0.0

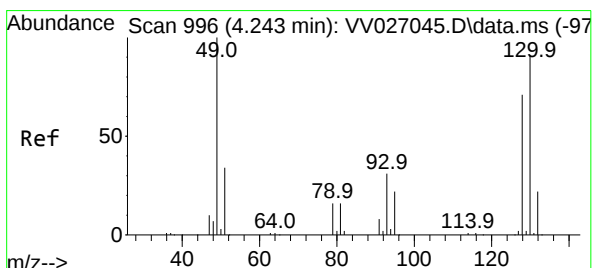
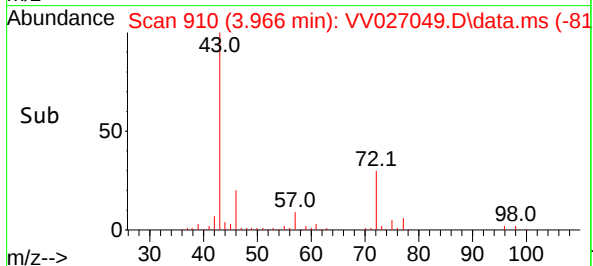
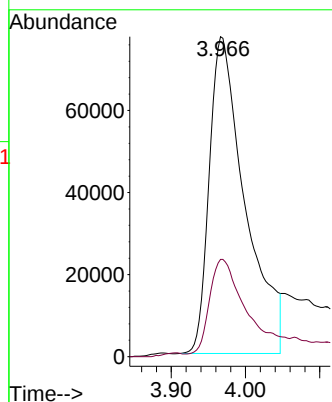
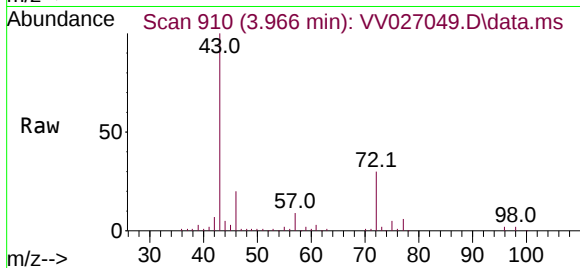




#22
2-Butanone
Concen: 100.953 ug/L
RT: 3.966 min Scan# 910
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

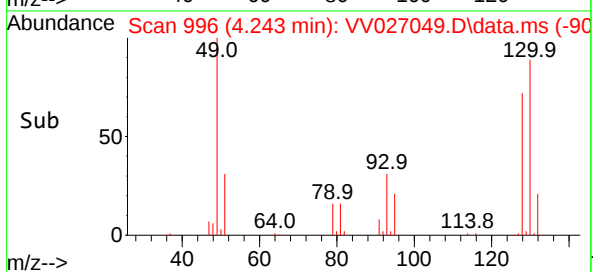
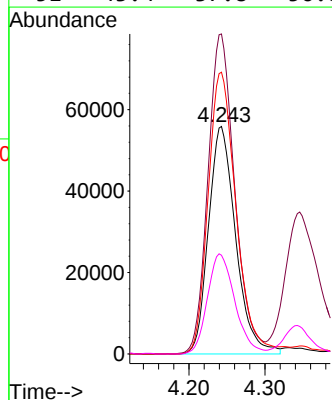
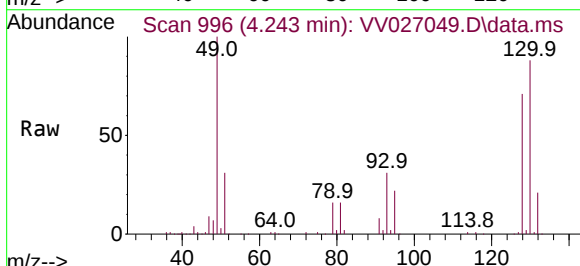
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

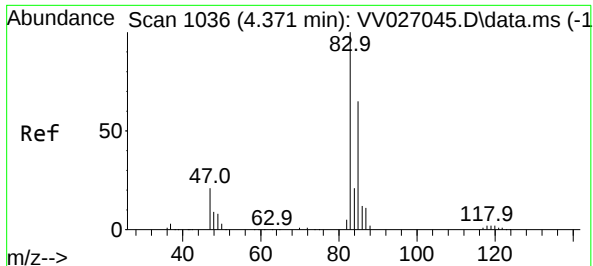
Tgt Ion: 43 Resp: 258988
Ion Ratio Lower Upper
43 100
72 28.2 11.9 35.7



#23
Bromochloromethane
Concen: 53.945 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:128 Resp: 138694
Ion Ratio Lower Upper
128 100
49 140.7 98.7 183.3
130 123.9 89.5 166.1
51 43.4 37.8 56.8





#25

Chloroform

Concen: 51.731 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

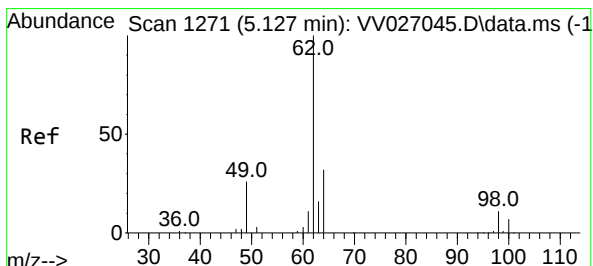
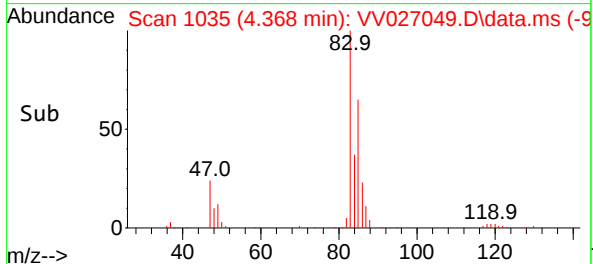
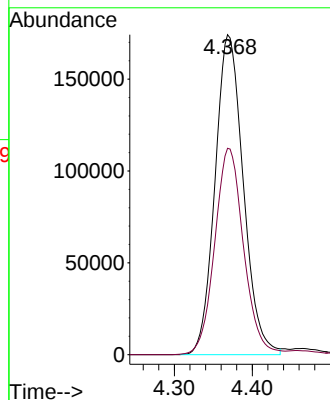
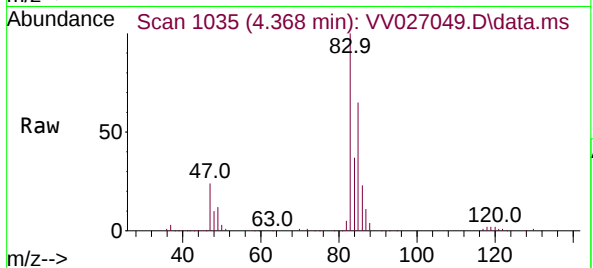
VSTD050316

Tgt Ion: 83 Resp: 439571

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 51.681 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV027049.D

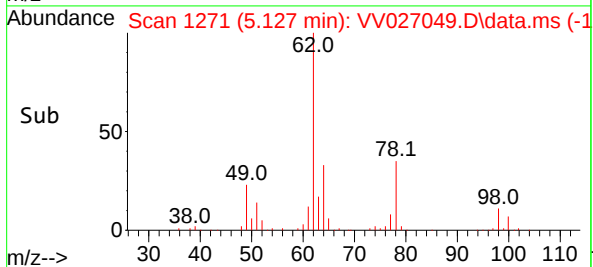
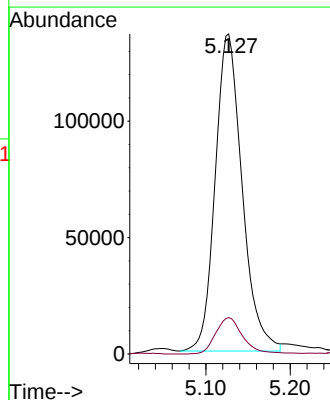
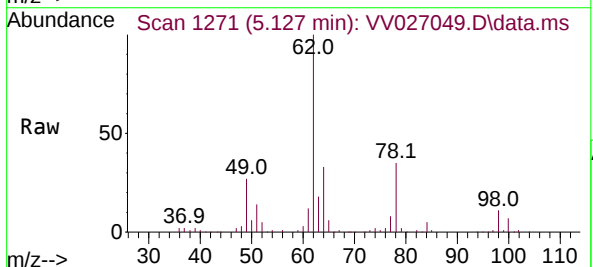
Acq: 28 Jul 2022 20:48

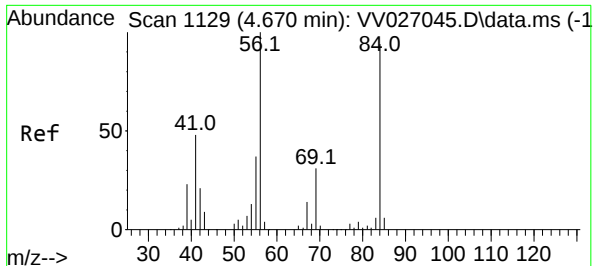
Tgt Ion: 62 Resp: 302192

Ion Ratio Lower Upper

62 100

98 11.4 9.0 13.6





#29

Cyclohexane

Concen: 53.231 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

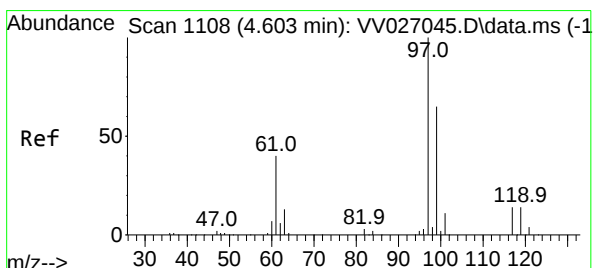
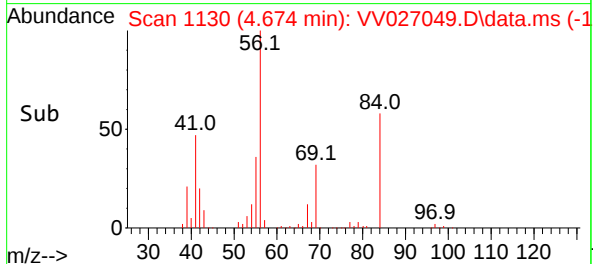
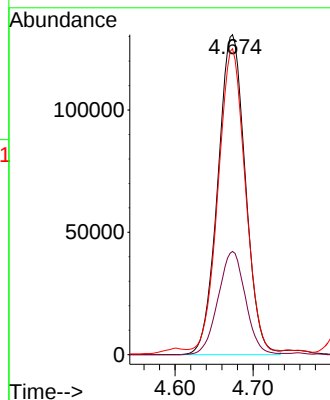
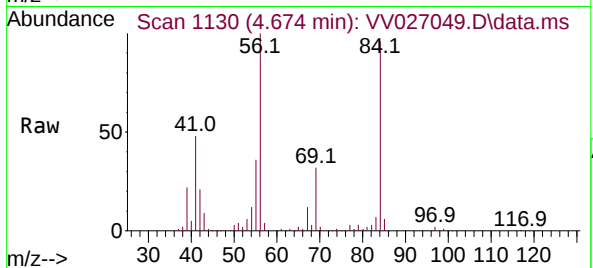
Tgt Ion: 56 Resp: 320990

Ion Ratio Lower Upper

56 100

69 32.1 25.9 38.9

84 92.4 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 52.469 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

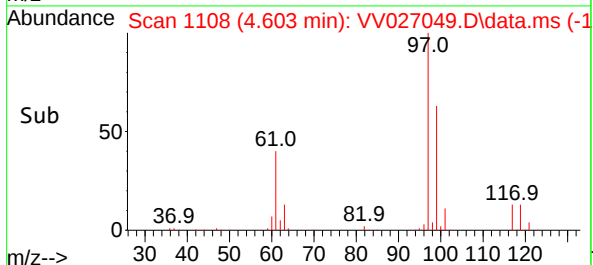
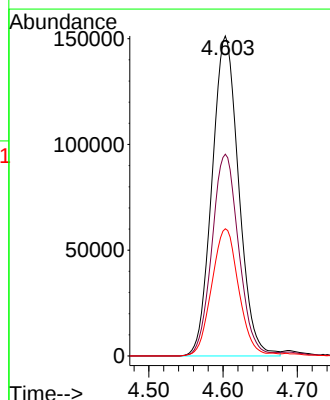
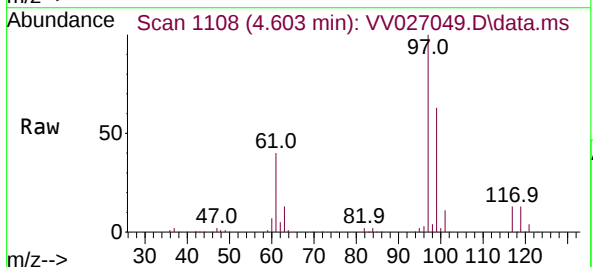
Tgt Ion: 97 Resp: 377963

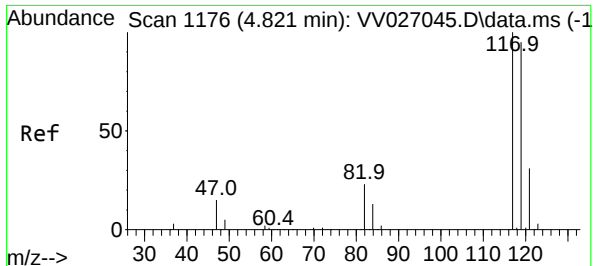
Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.2

61 40.1 32.1 48.1

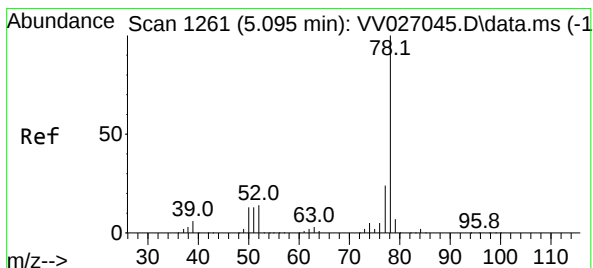
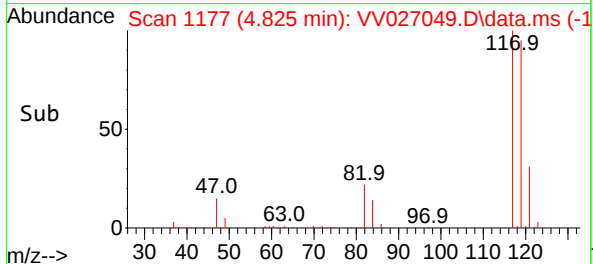
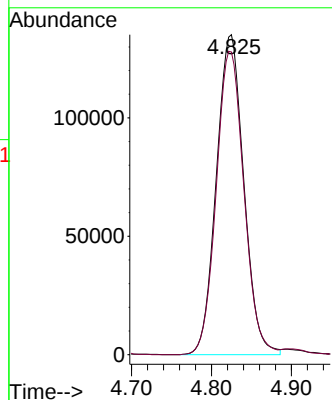
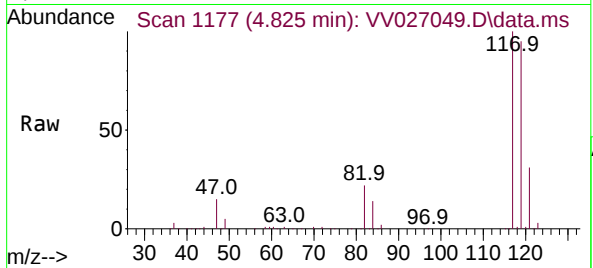




#31
Carbon tetrachloride
Concen: 51.370 ug/L
RT: 4.825 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

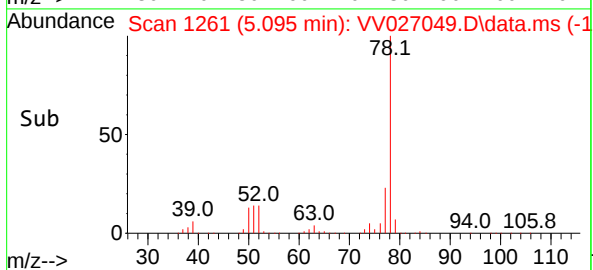
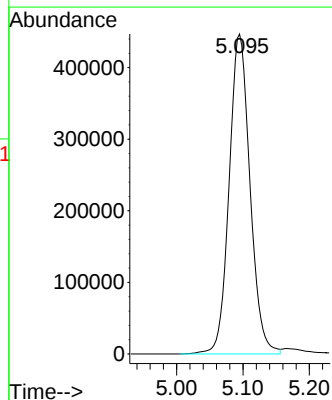
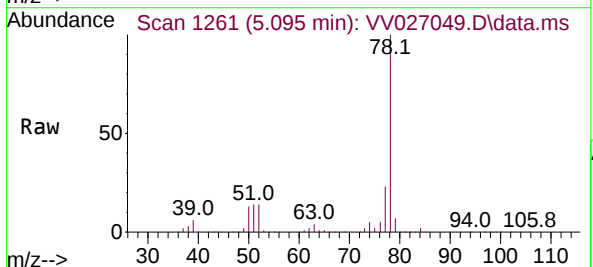
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

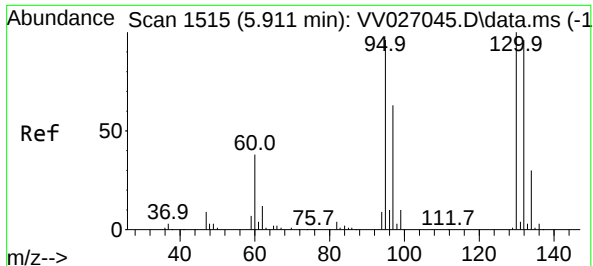
Tgt Ion:117 Resp: 322139
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6



#33
Benzene
Concen: 54.045 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 78 Resp: 977518





#34

Trichloroethene

Concen: 51.672 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

Tgt Ion: 95 Resp: 240541

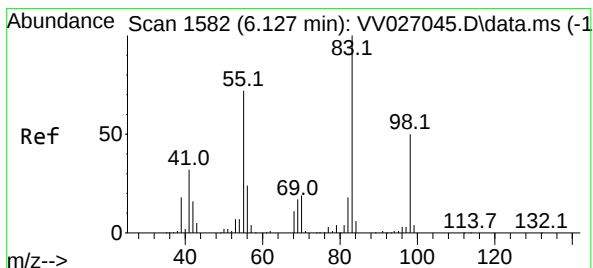
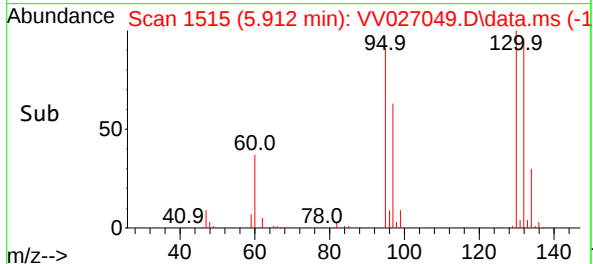
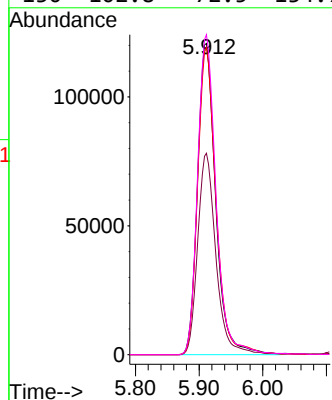
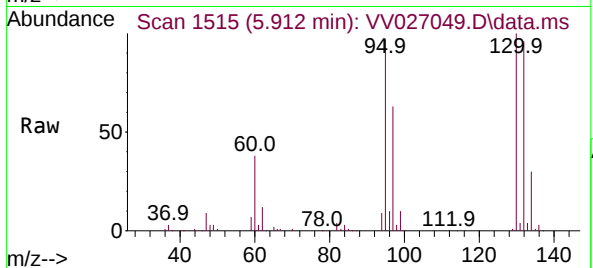
Ion Ratio Lower Upper

95 100

97 64.7 45.9 85.3

132 98.7 69.8 129.6

130 102.8 72.5 134.7



#35

Methylcyclohexane

Concen: 51.749 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

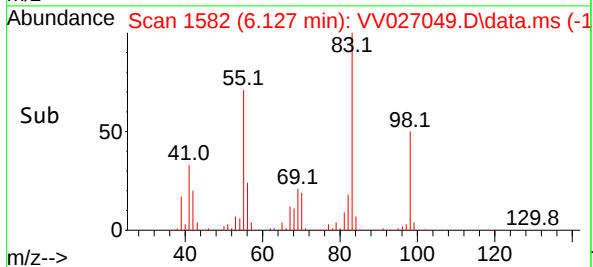
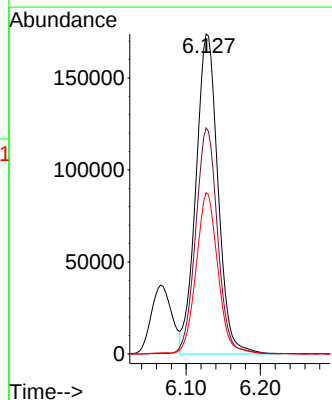
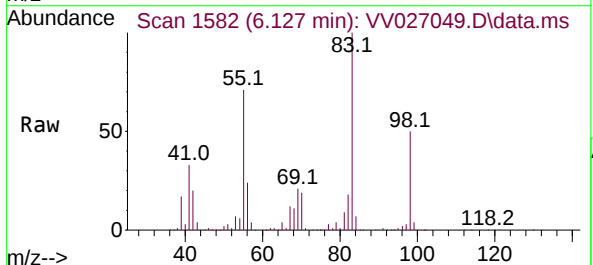
Tgt Ion: 83 Resp: 359385

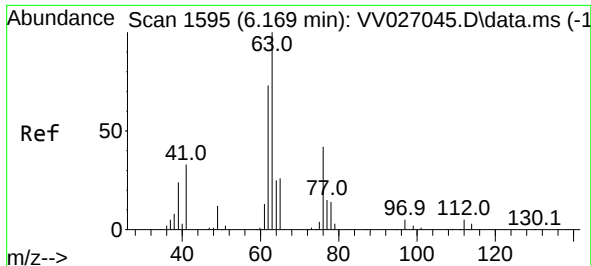
Ion Ratio Lower Upper

83 100

55 70.2 55.5 83.3

98 49.8 39.0 58.4





#37

1,2-Dichloropropane

Concen: 55.541 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

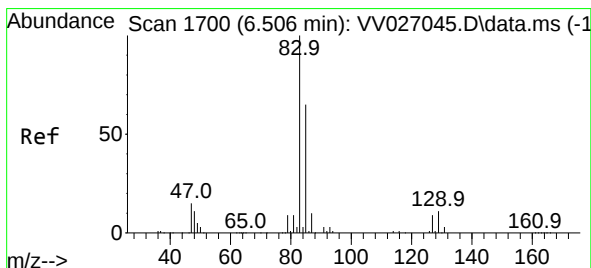
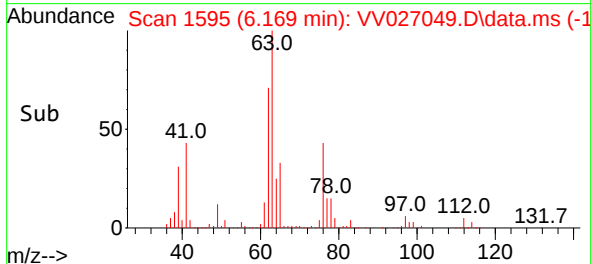
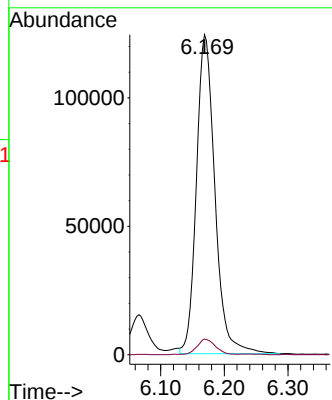
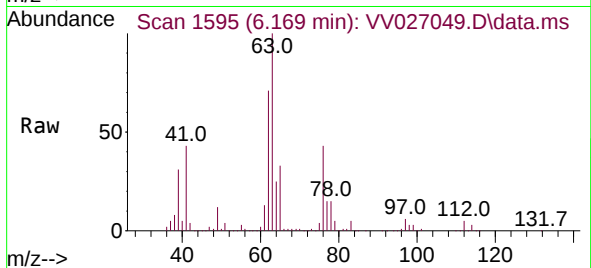
VSTD050316

Tgt Ion: 63 Resp: 251417

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 54.002 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

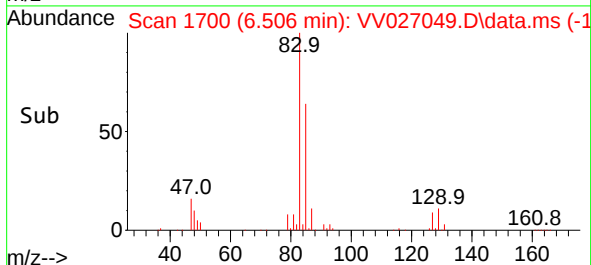
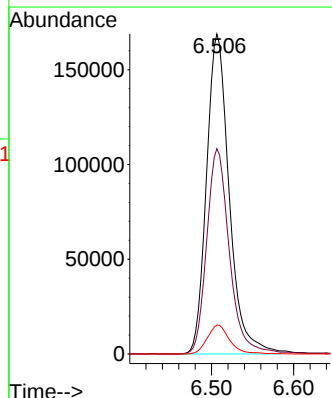
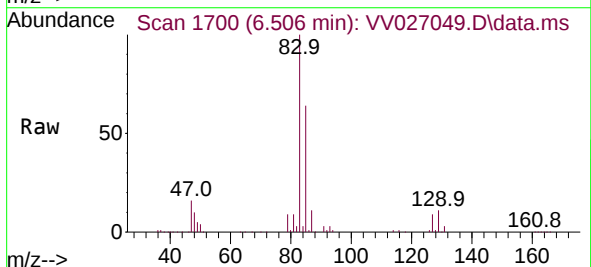
Tgt Ion: 83 Resp: 324690

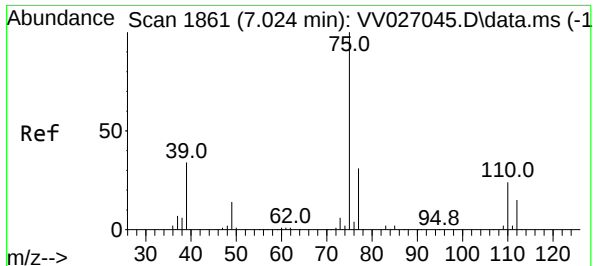
Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 55.735 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

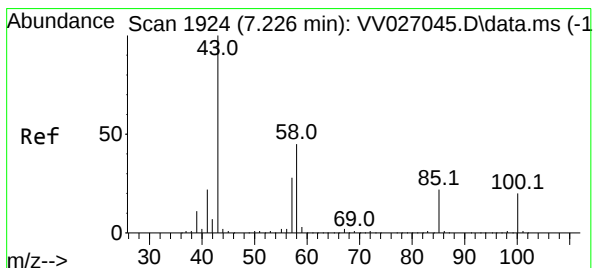
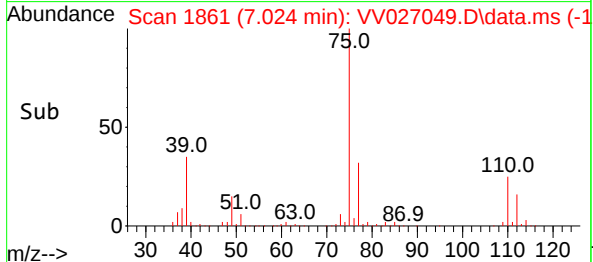
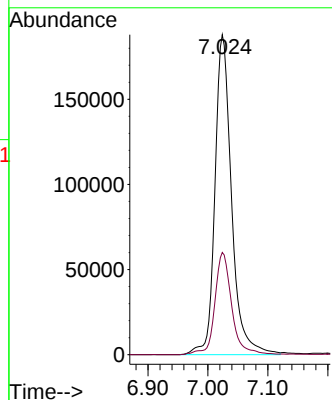
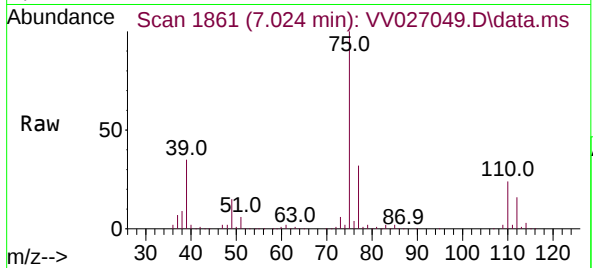
VSTD050316

Tgt Ion: 75 Resp: 361933

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 117.536 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

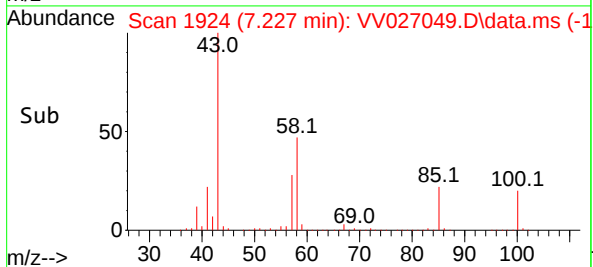
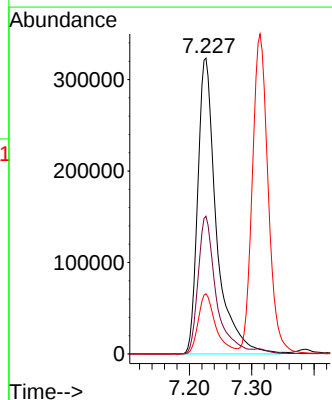
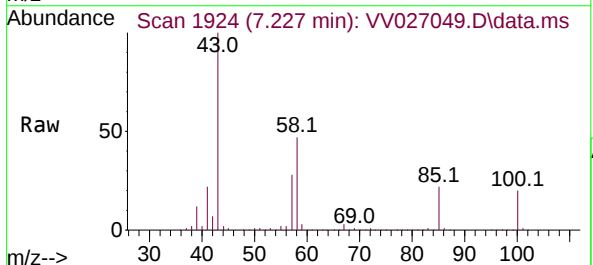
Tgt Ion: 43 Resp: 672956

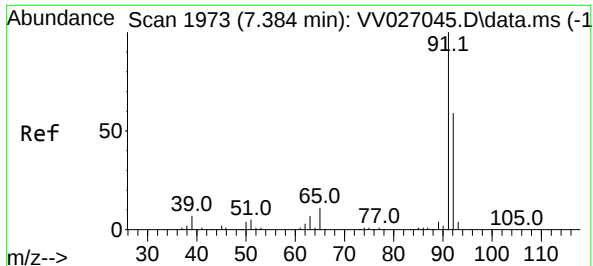
Ion Ratio Lower Upper

43 100

58 45.1 35.3 52.9

100 19.3 15.7 23.5





#42

Toluene

Concen: 55.030 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

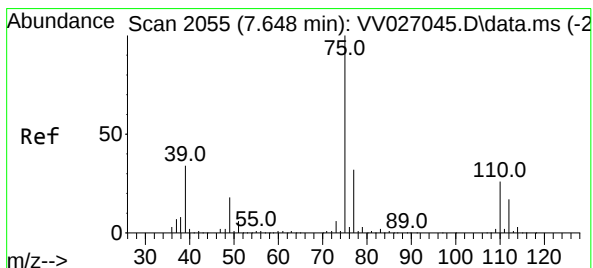
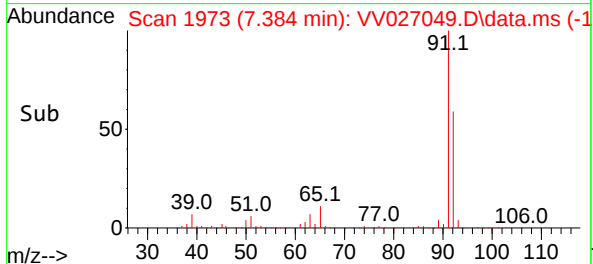
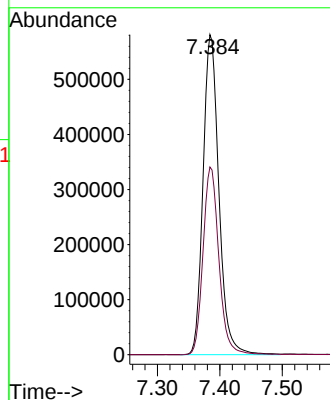
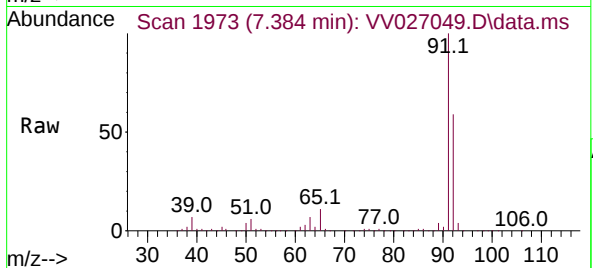
VSTD050316

Tgt Ion: 91 Resp: 1026222

Ion Ratio Lower Upper

91 100

92 58.7 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 54.351 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027049.D

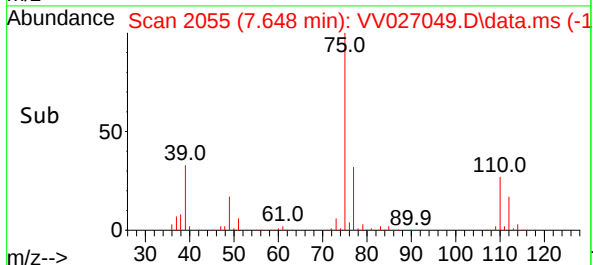
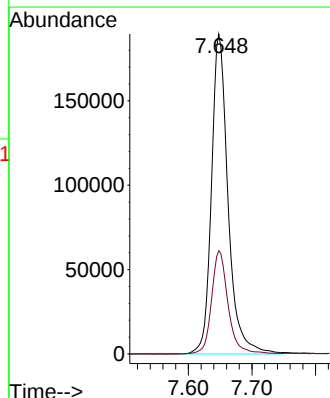
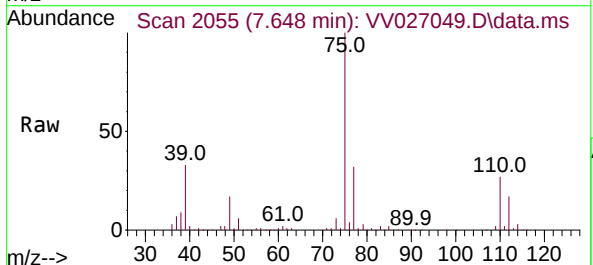
Acq: 28 Jul 2022 20:48

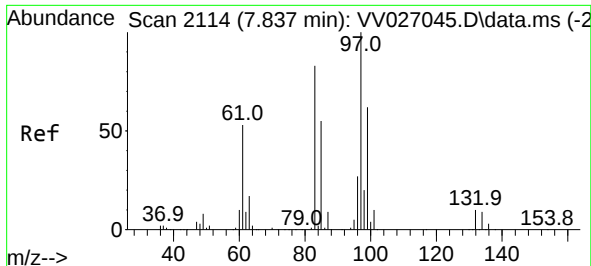
Tgt Ion: 75 Resp: 343141

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 53.936 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

Tgt Ion: 97 Resp: 261396

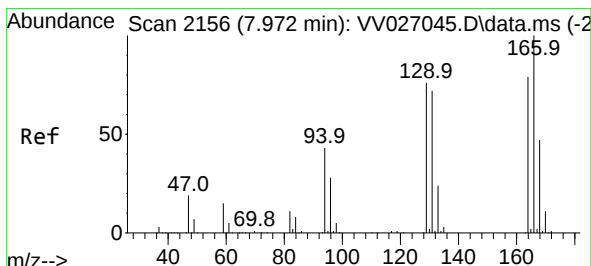
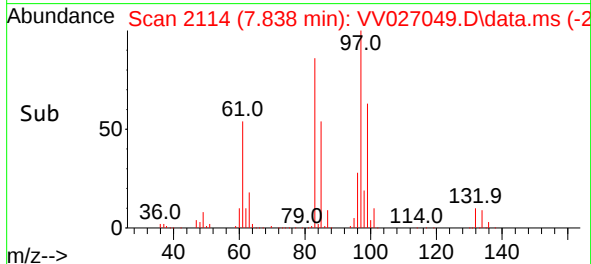
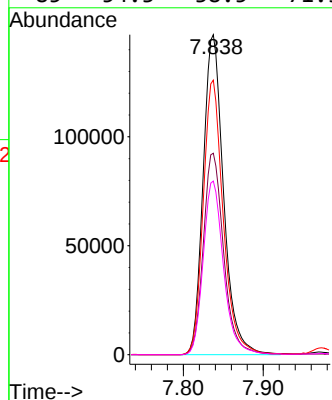
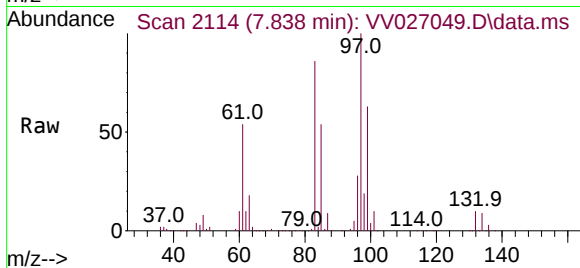
Ion Ratio Lower Upper

97 100

99 63.0 43.2 80.2

83 85.8 58.0 107.6

85 54.3 38.5 71.5



#46

Tetrachloroethene

Concen: 50.344 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Tgt Ion:164 Resp: 183307

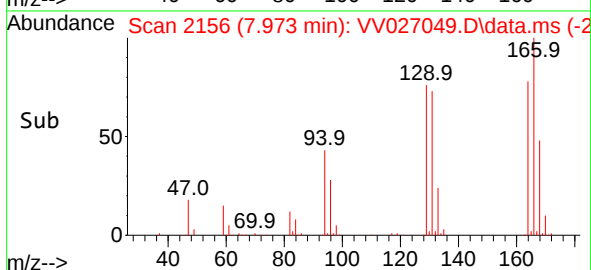
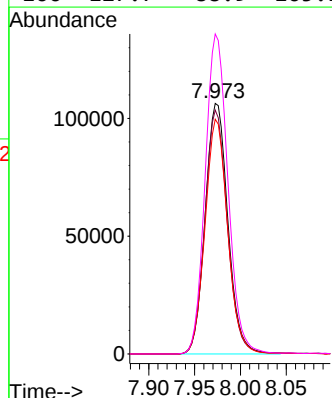
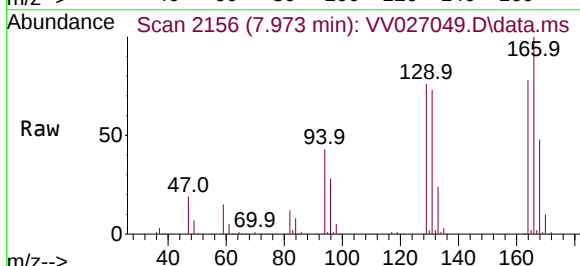
Ion Ratio Lower Upper

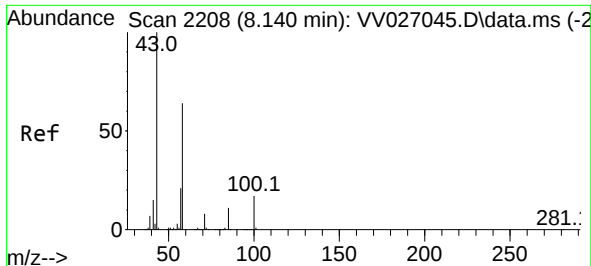
164 100

129 97.3 67.5 125.4

131 93.6 64.3 119.3

166 127.7 88.9 165.1

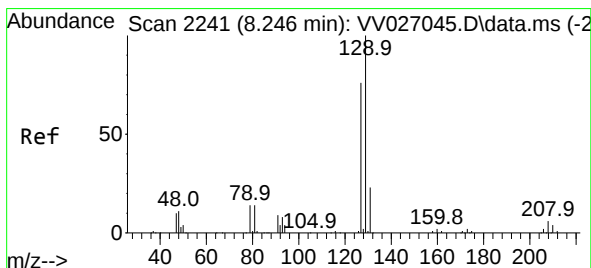
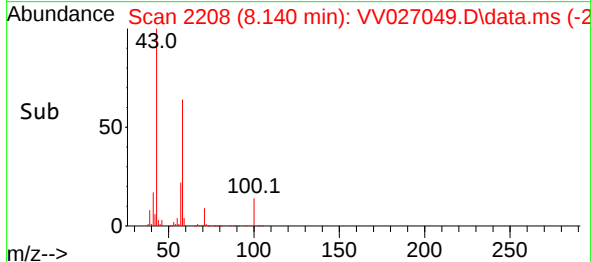
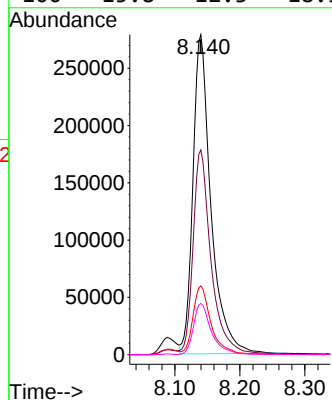
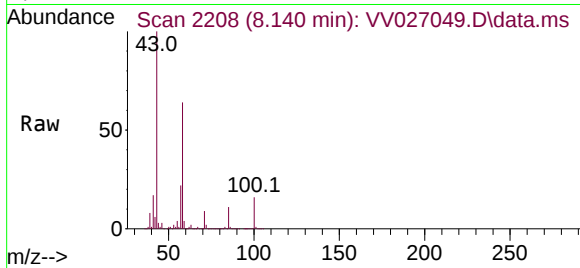




#48
2-Hexanone
Concen: 119.368 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

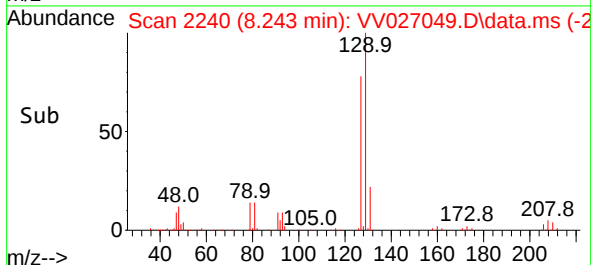
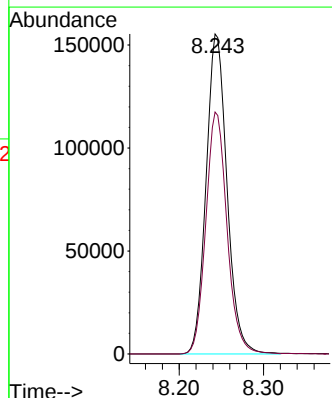
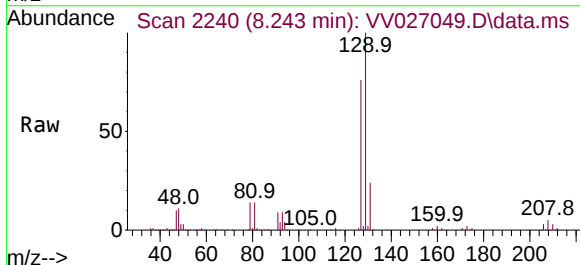
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

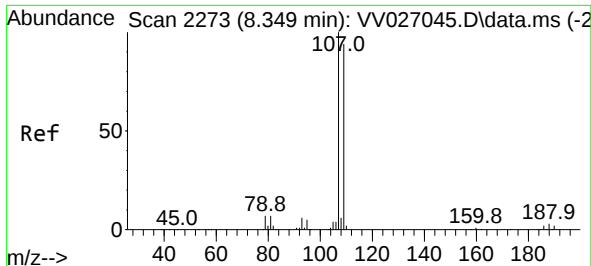
Tgt Ion: 43 Resp: 538589
Ion Ratio Lower Upper
43 100
58 63.5 50.8 76.2
57 21.5 17.1 25.7
100 15.8 12.3 18.5



#49
Dibromochloromethane
Concen: 53.824 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 129 Resp: 268264
Ion Ratio Lower Upper
129 100
127 75.6 53.3 98.9

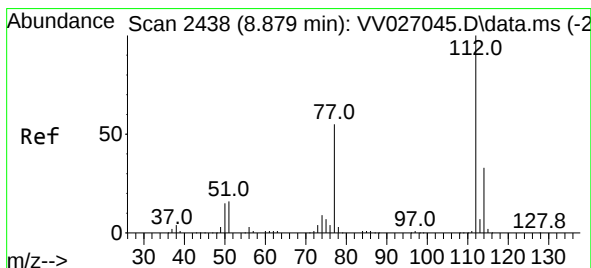
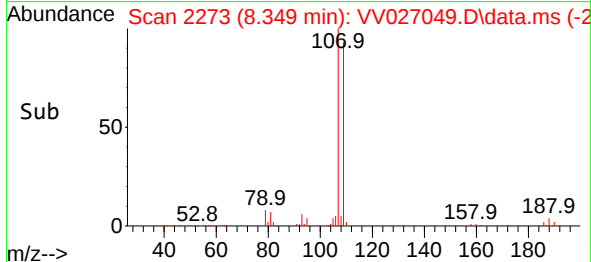
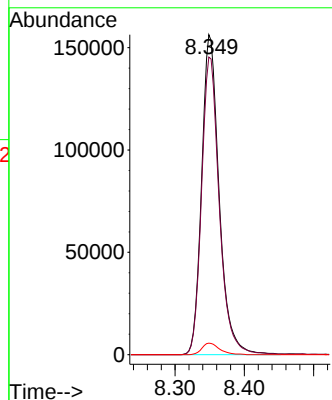
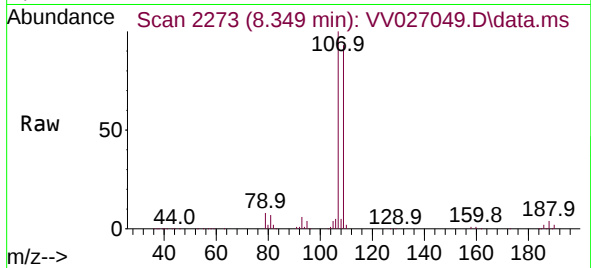




#50
1,2-Dibromoethane
Concen: 54.114 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

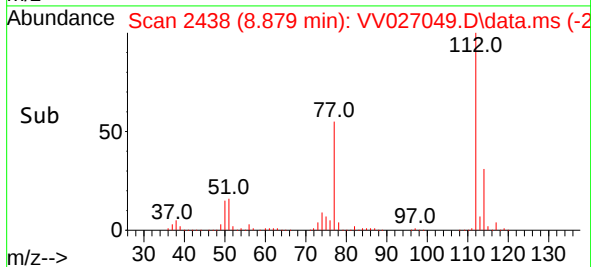
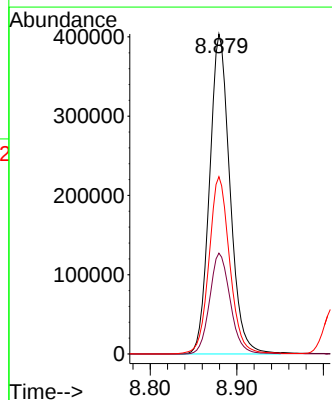
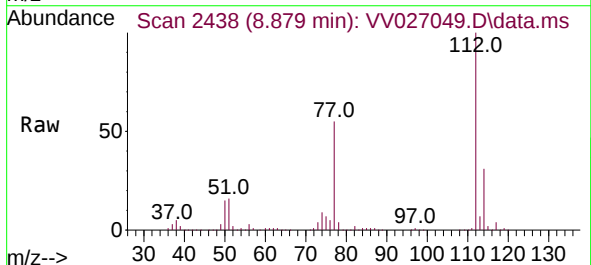
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

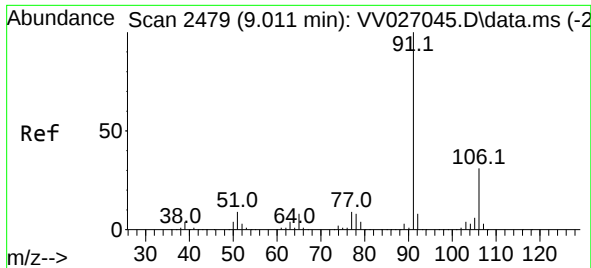
Tgt Ion:107 Resp: 275007
Ion Ratio Lower Upper
107 100
109 93.0 65.7 121.9
188 3.6 2.7 4.1



#51
Chlorobenzene
Concen: 52.509 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:112 Resp: 660380
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 55.4 44.2 66.2

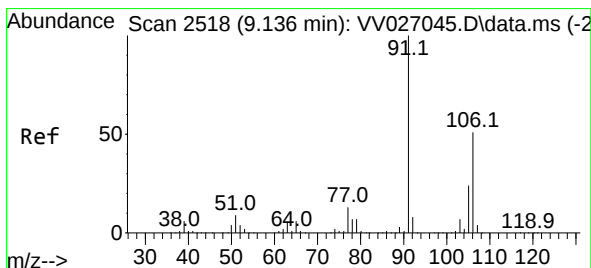
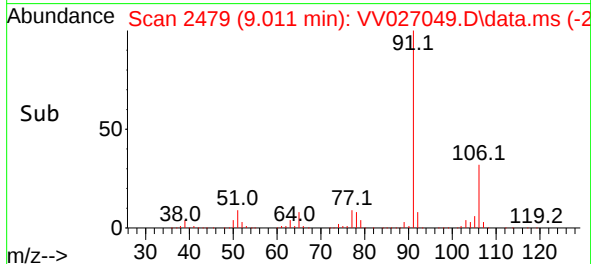
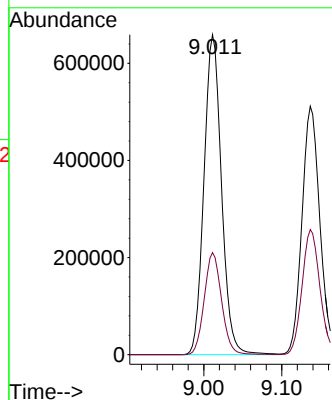
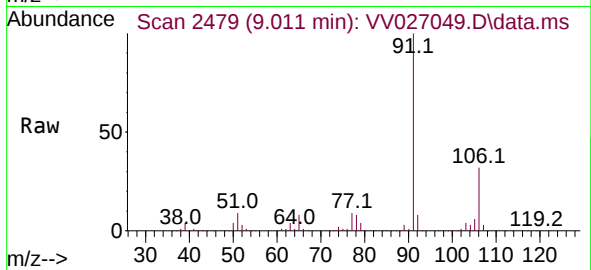




#52
Ethylbenzene
Concen: 54.565 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

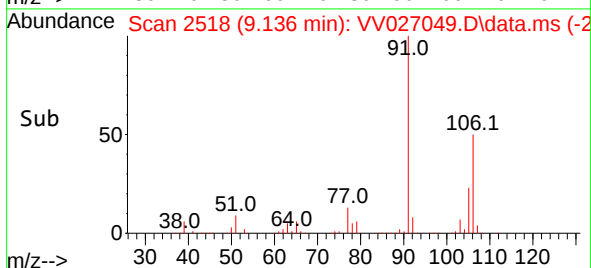
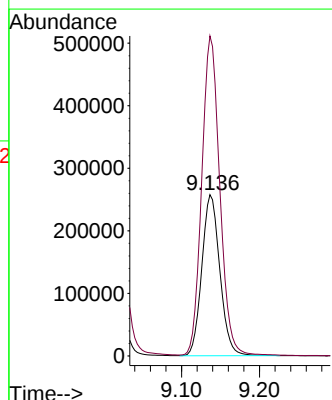
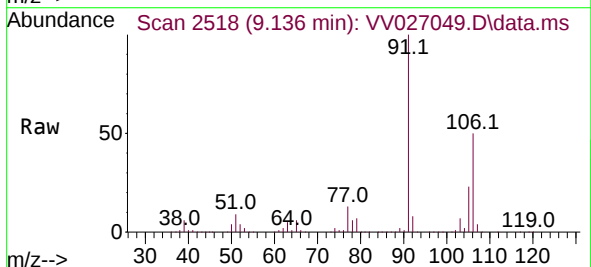
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

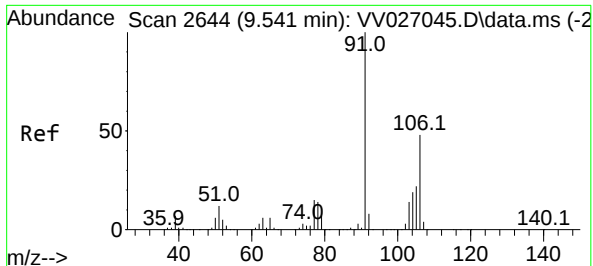
Tgt Ion: 91 Resp: 1030329
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 55.636 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:106 Resp: 413213
Ion Ratio Lower Upper
106 100
91 198.5 137.5 255.3

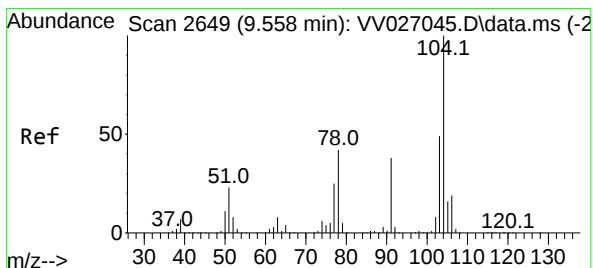
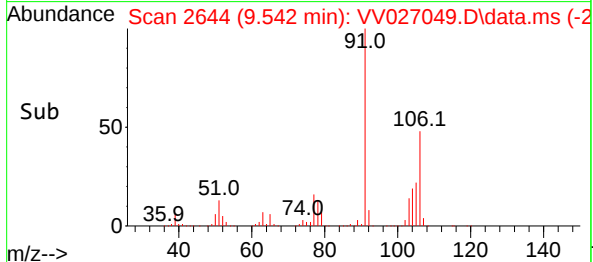
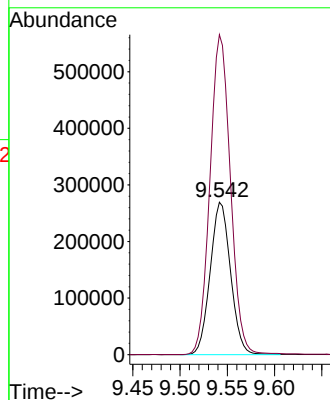
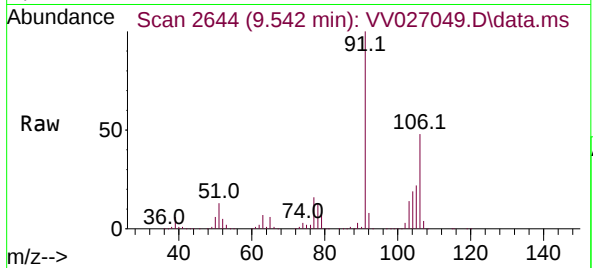




#54
o-Xylene
Concen: 56.469 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

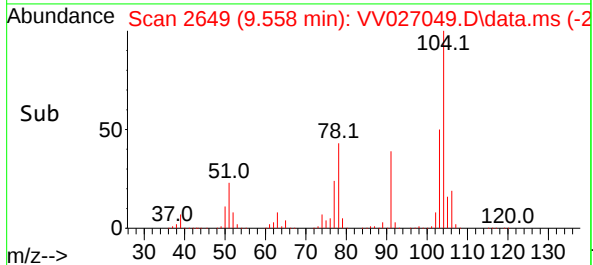
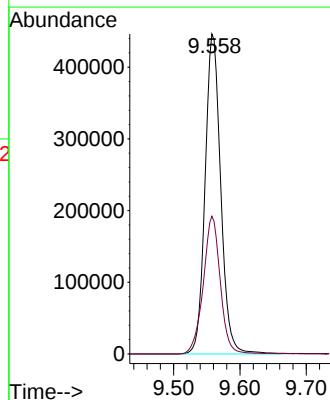
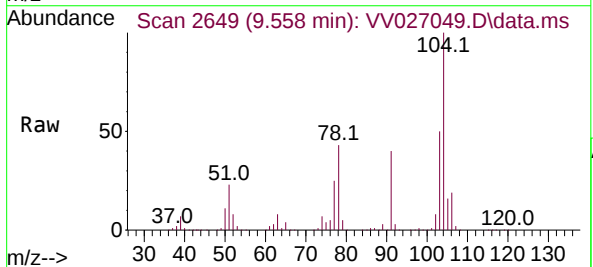
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

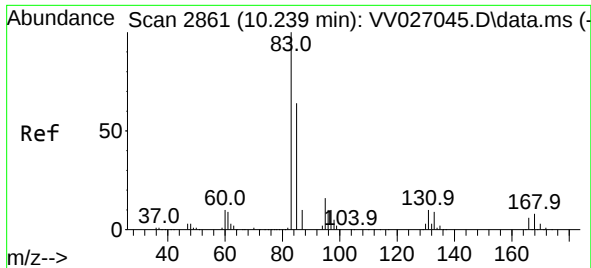
Tgt Ion:106 Resp: 403893
Ion Ratio Lower Upper
106 100
91 209.8 146.6 272.2



#55
Styrene
Concen: 58.438 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:104 Resp: 731507
Ion Ratio Lower Upper
104 100
78 43.1 29.6 55.0

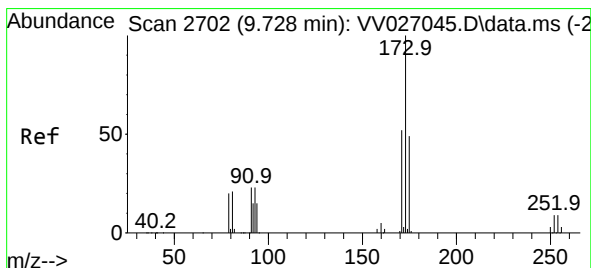
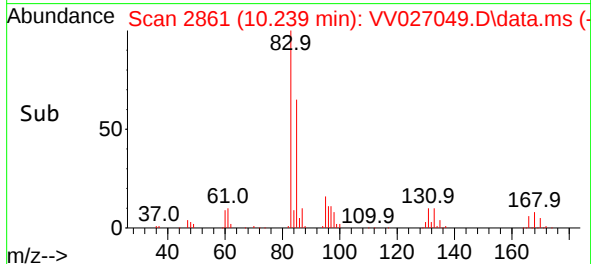
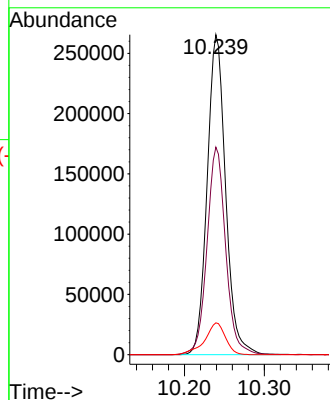
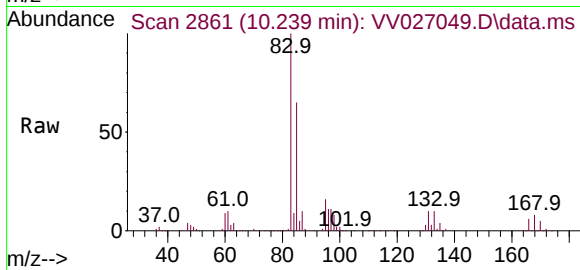




#57
1,1,2,2-Tetrachloroethane
Concen: 54.507 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

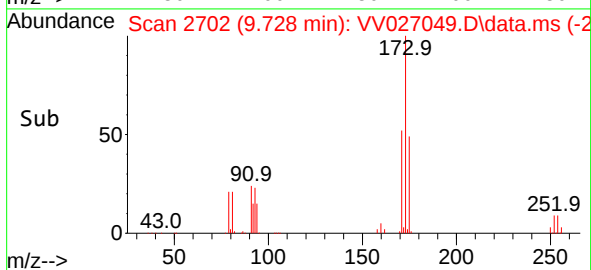
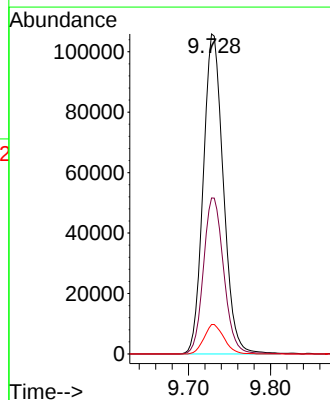
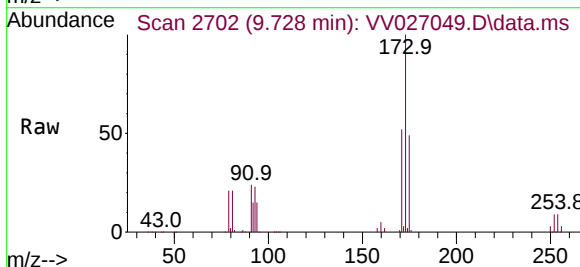
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

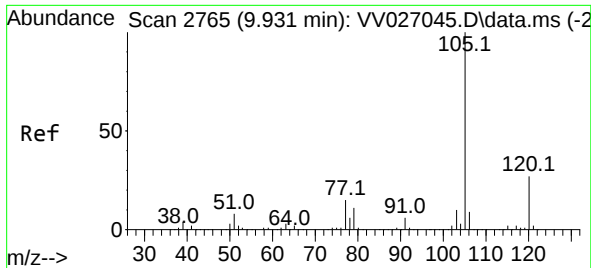
Tgt Ion: 83 Resp: 425903
Ion Ratio Lower Upper
83 100
85 64.9 45.2 84.0
131 10.0 8.1 12.1



#59
Bromoform
Concen: 52.328 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 173 Resp: 180022
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.4
254 9.1 6.9 10.3

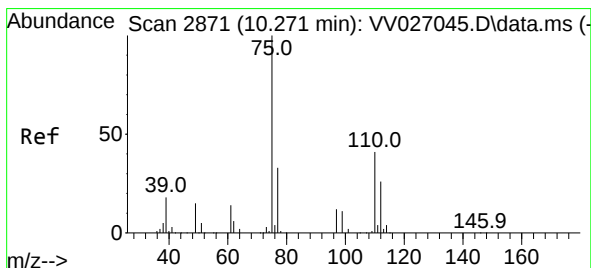
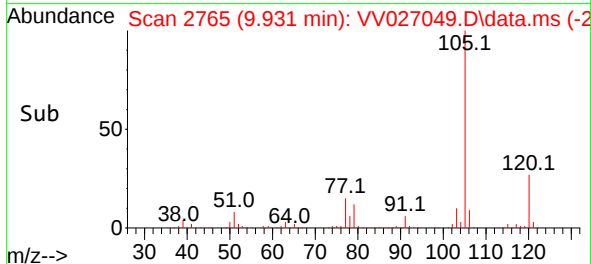
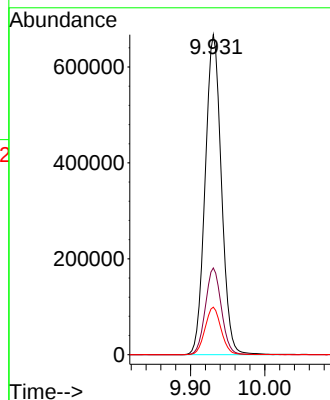
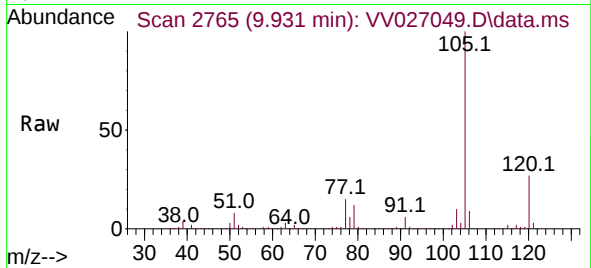




#60
Isopropylbenzene
Concen: 53.584 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

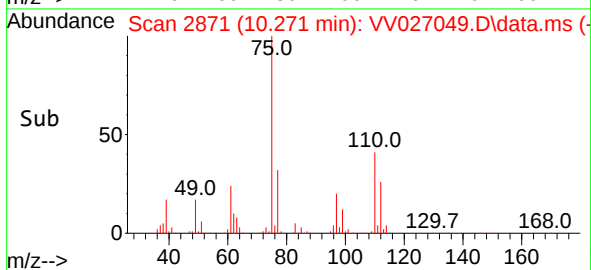
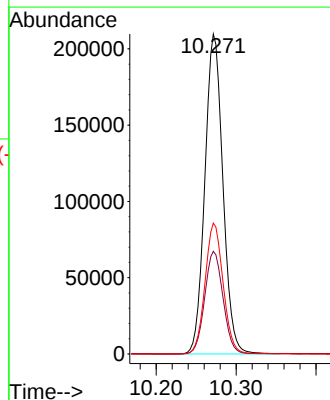
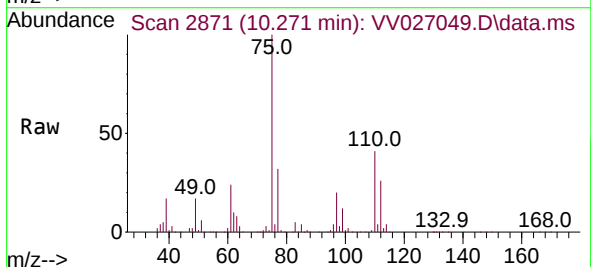
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

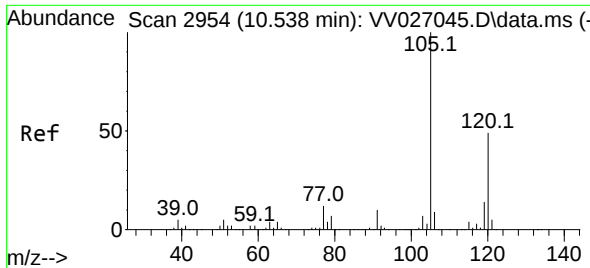
Tgt Ion:105 Resp: 1012715
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 14.7 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 51.939 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion: 75 Resp: 329900
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8
110 40.9 32.7 49.1

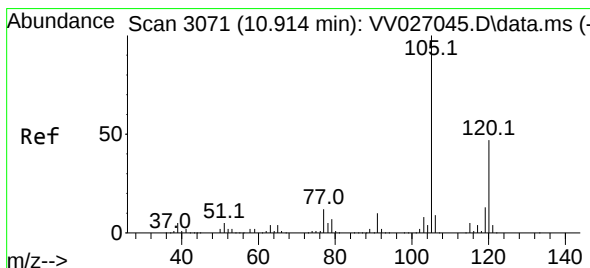
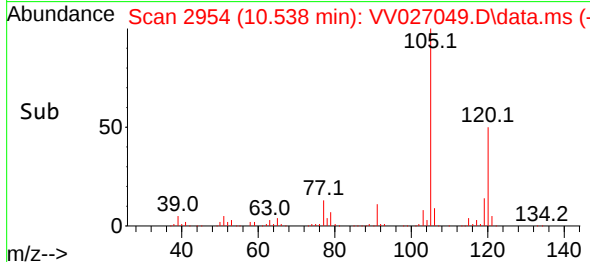
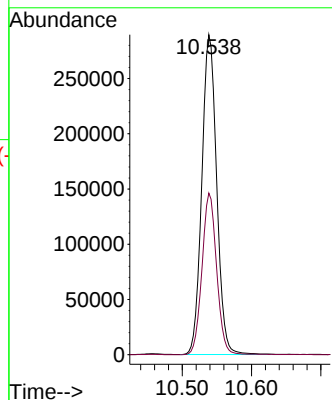
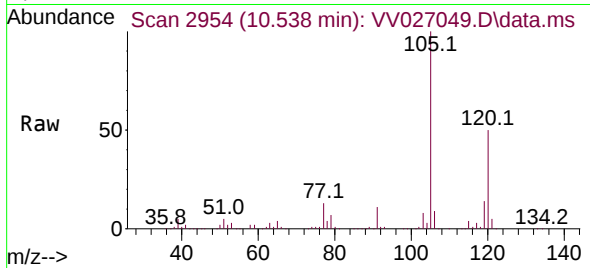




#62
 1,3,5-Trimethylbenzene
 Concen: 53.434 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

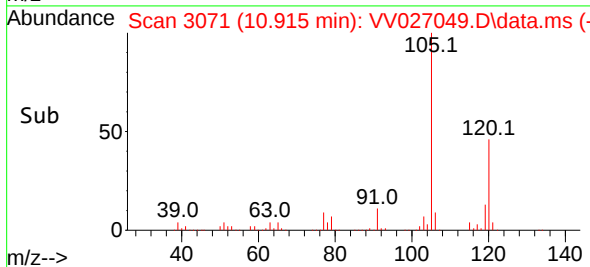
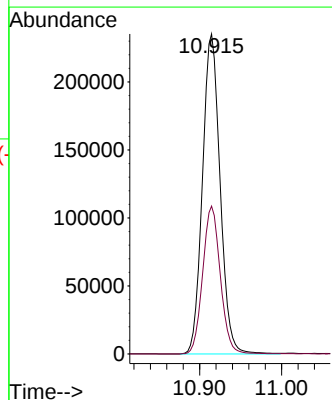
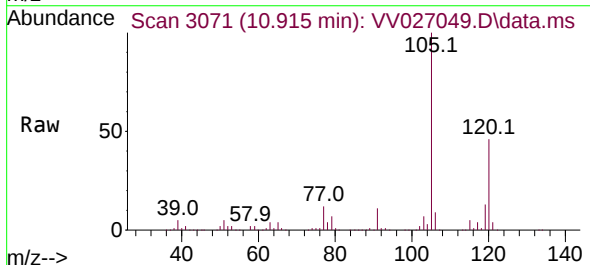
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

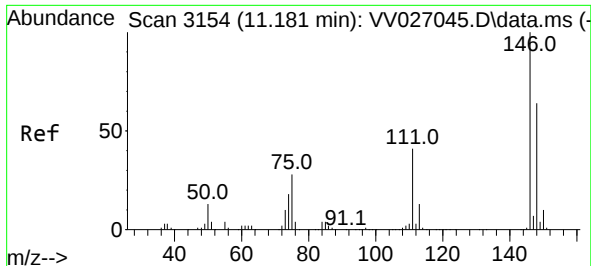
Tgt Ion:105 Resp: 432250
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 54.414 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

Tgt Ion:105 Resp: 351264
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.0 55.6

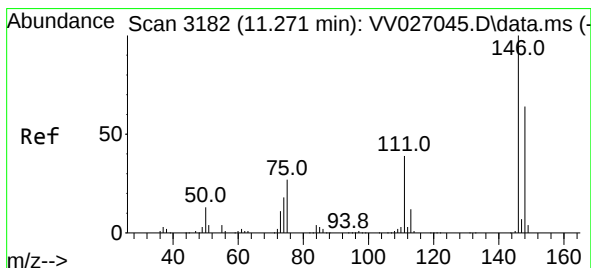
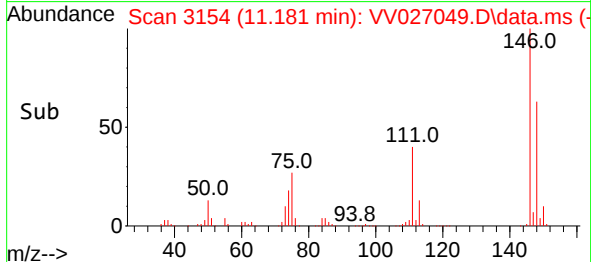
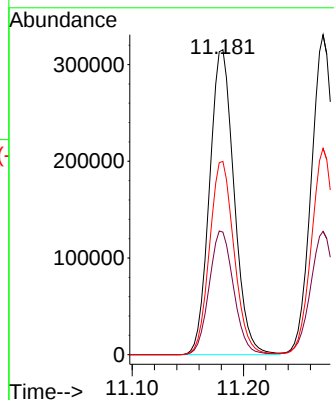
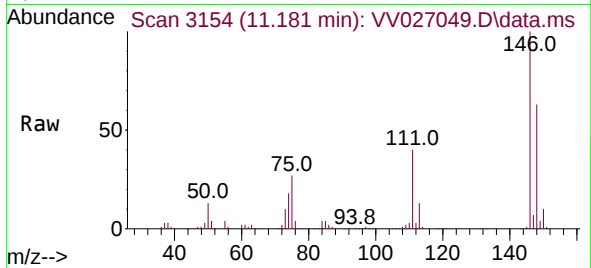




#64
1,3-Dichlorobenzene
Concen: 52.782 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

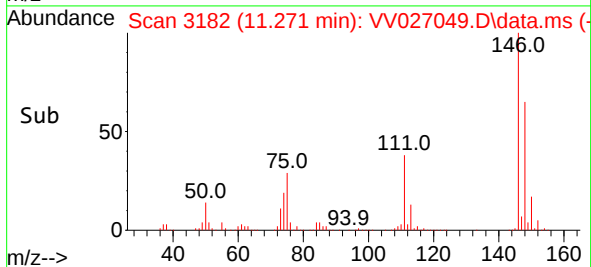
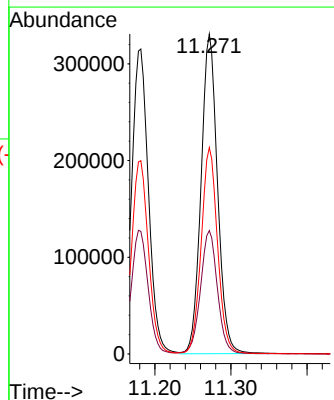
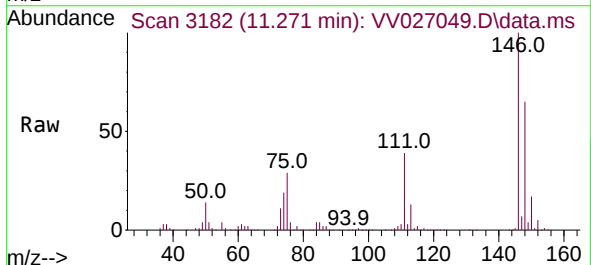
Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

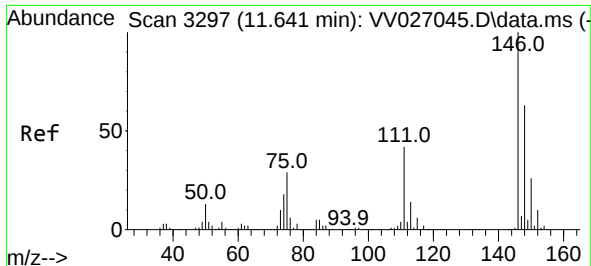
Tgt Ion:146 Resp: 484263
Ion Ratio Lower Upper
146 100
111 40.2 28.4 52.8
148 63.4 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 51.470 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027049.D
Acq: 28 Jul 2022 20:48

Tgt Ion:146 Resp: 497625
Ion Ratio Lower Upper
146 100
111 38.5 27.4 51.0
148 64.5 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 53.191 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

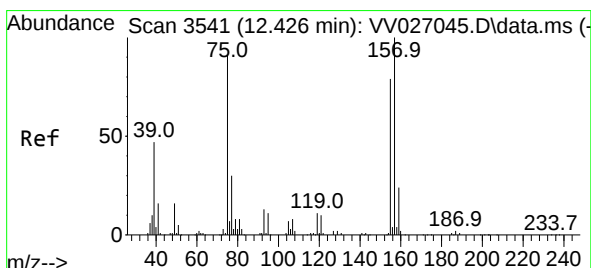
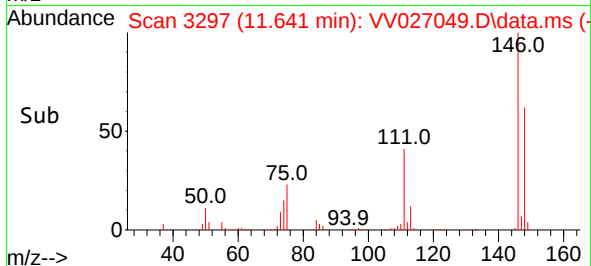
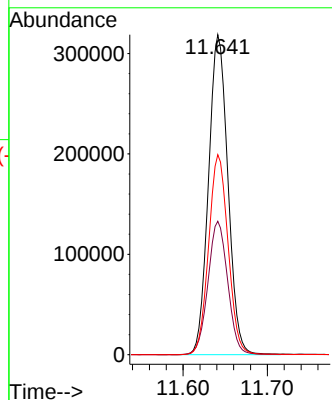
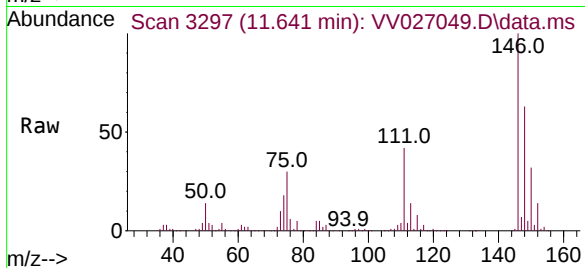
Tgt Ion:146 Resp: 509651

Ion Ratio Lower Upper

146 100

111 41.7 34.0 51.0

148 62.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 52.913 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

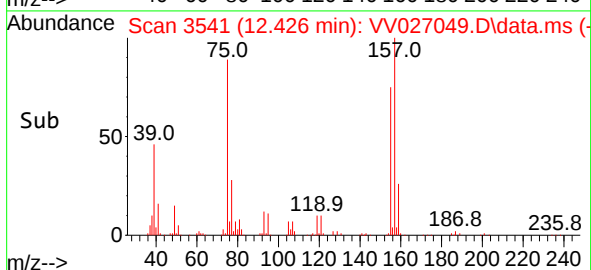
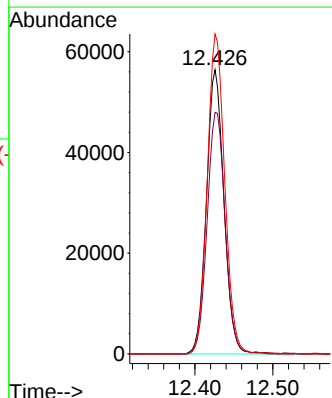
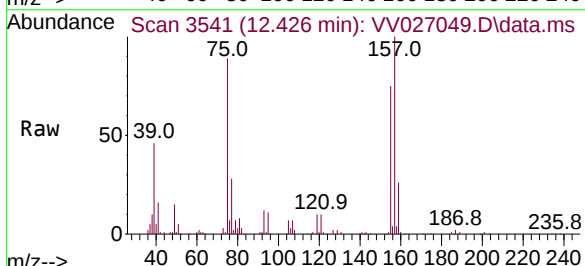
Tgt Ion: 75 Resp: 88117

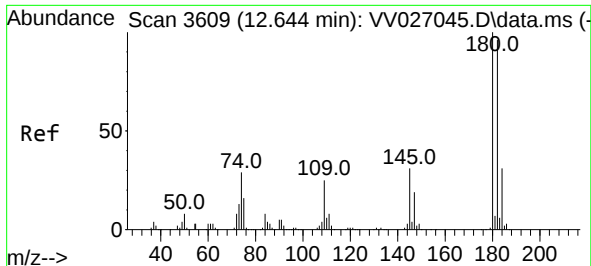
Ion Ratio Lower Upper

75 100

155 85.0 69.1 103.7

157 112.6 87.8 131.8

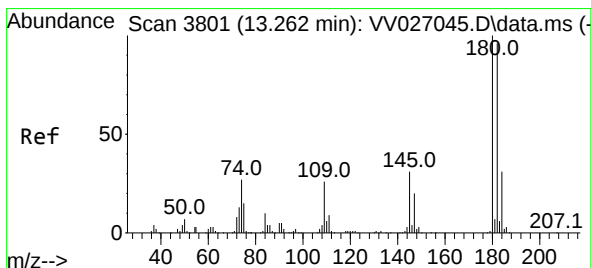
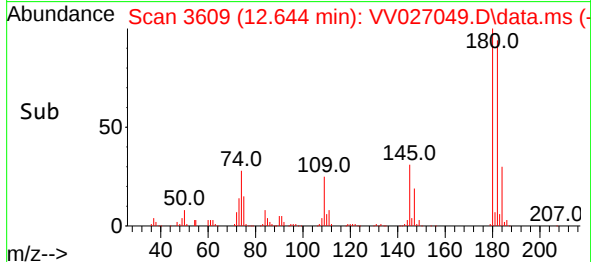
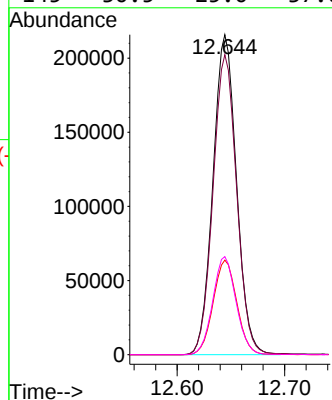
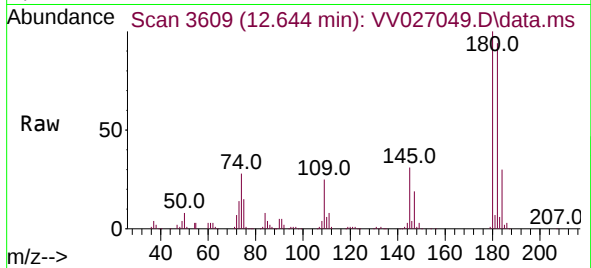




#69
 1,3,5-Trichlorobenzene
 Concen: 52.629 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

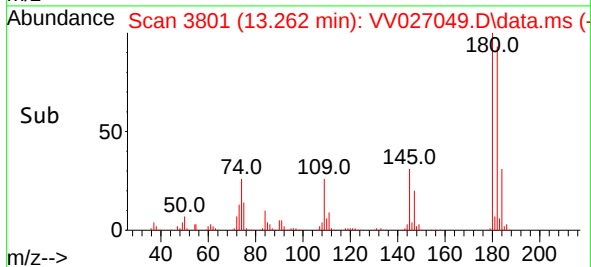
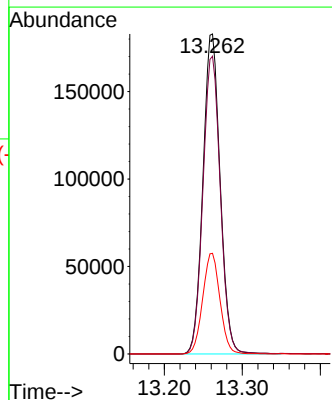
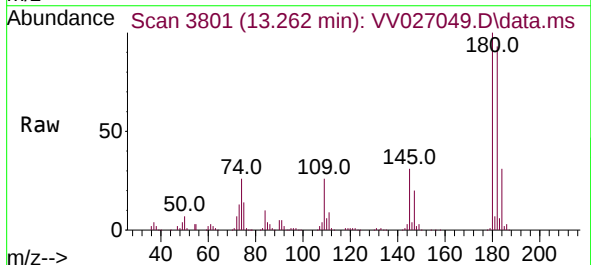
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050316

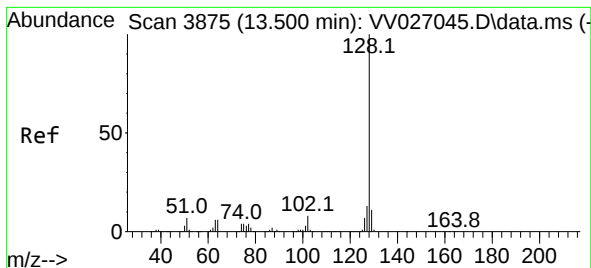
Tgt Ion:180	Resp:	327503
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.2 114.4
184	29.8	24.8 37.2
145	30.5	25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 52.712 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.000 min
 Lab File: VV027049.D
 Acq: 28 Jul 2022 20:48

Tgt Ion:180	Resp:	280756
Ion Ratio	Lower	Upper
180	100	
182	93.9	75.9 113.9
145	31.5	24.7 37.1





#71

Naphthalene

Concen: 55.059 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050316

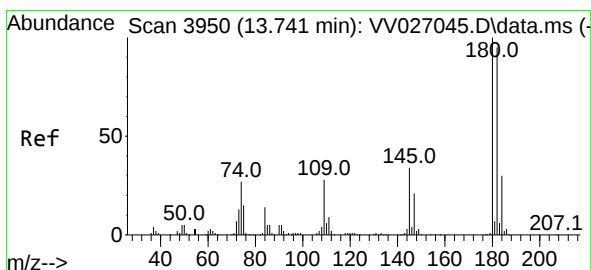
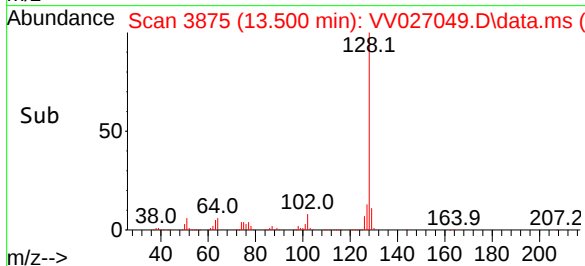
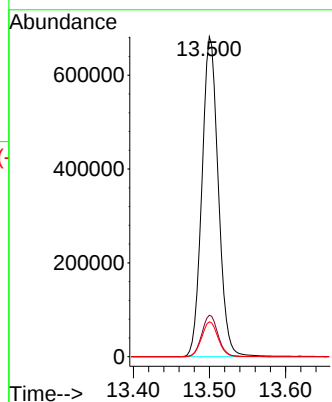
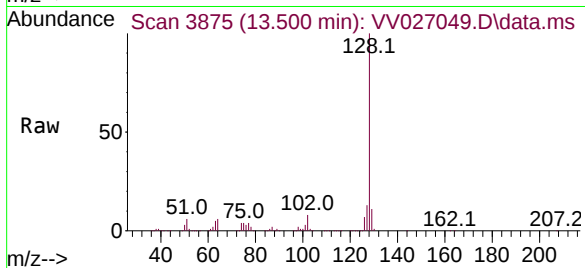
Tgt Ion:128 Resp: 1020390

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.090 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027049.D

Acq: 28 Jul 2022 20:48

Tgt Ion:180 Resp: 312481

Ion Ratio Lower Upper

180 100

182 93.9 76.3 114.5

145 33.2 27.4 41.0

