

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027074.D
 Acq On : 29 Jul 2022 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050318

Quant Time: Jul 29 23:55:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 29 02:10:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	566404	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	579072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	334304	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	245815	45.618	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.240%
7) Chloroethane-d5	1.565	69	208209	48.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.540%
11) 1,1-Dichloroethene-d2	2.105	63	444573	48.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.920%
21) 2-Butanone-d5	3.886	46	218434	71.091	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.090%
24) Chloroform-d	4.343	84	491757	50.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.340%
26) 1,2-Dichloroethane-d4	5.024	65	273884	49.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.420%
32) Benzene-d6	5.043	84	983425	48.361	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.720%
36) 1,2-Dichloropropane-d6	6.063	67	295739	47.517	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.040%
41) Toluene-d8	7.310	98	920468	50.079	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.160%
43) trans-1,3-Dichloroprop...	7.616	79	132718	48.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.540%
47) 2-Hexanone-d5	8.088	63	239399	89.475	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.480%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	446075	47.535	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.060%
66) 1,2-Dichlorobenzene-d4	11.622	152	337073	44.853	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	316757	53.886	ug/L	100
3) Chloromethane	1.240	50	279680	52.032	ug/L	99
5) Vinyl chloride	1.307	62	292955	51.382	ug/L	100
6) Bromomethane	1.519	94	184320	52.640	ug/L	100
8) Chloroethane	1.581	64	178122	53.209	ug/L	99
9) Trichlorofluoromethane	1.748	101	393261	53.763	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	231447	54.812	ug/L	99
12) 1,1-Dichloroethene	2.114	96	221304	53.640	ug/L	92
13) Acetone	2.172	43	125730	55.247	ug/L	80
14) Carbon disulfide	2.288	76	665469	50.842	ug/L	99
15) Methyl Acetate	2.426	43	184290	48.728	ug/L	94
16) Methylene chloride	2.500	84	260214	49.480	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	231266	51.200	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	631659	50.913	ug/L	99
19) 1,1-Dichloroethane	3.182	63	409816	51.957	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	237497	50.846	ug/L	96
22) 2-Butanone	3.966	43	192960	76.856	ug/L	82
23) Bromochloromethane	4.240	128	137979	54.837	ug/L	99
25) Chloroform	4.368	83	445686	53.594	ug/L	100

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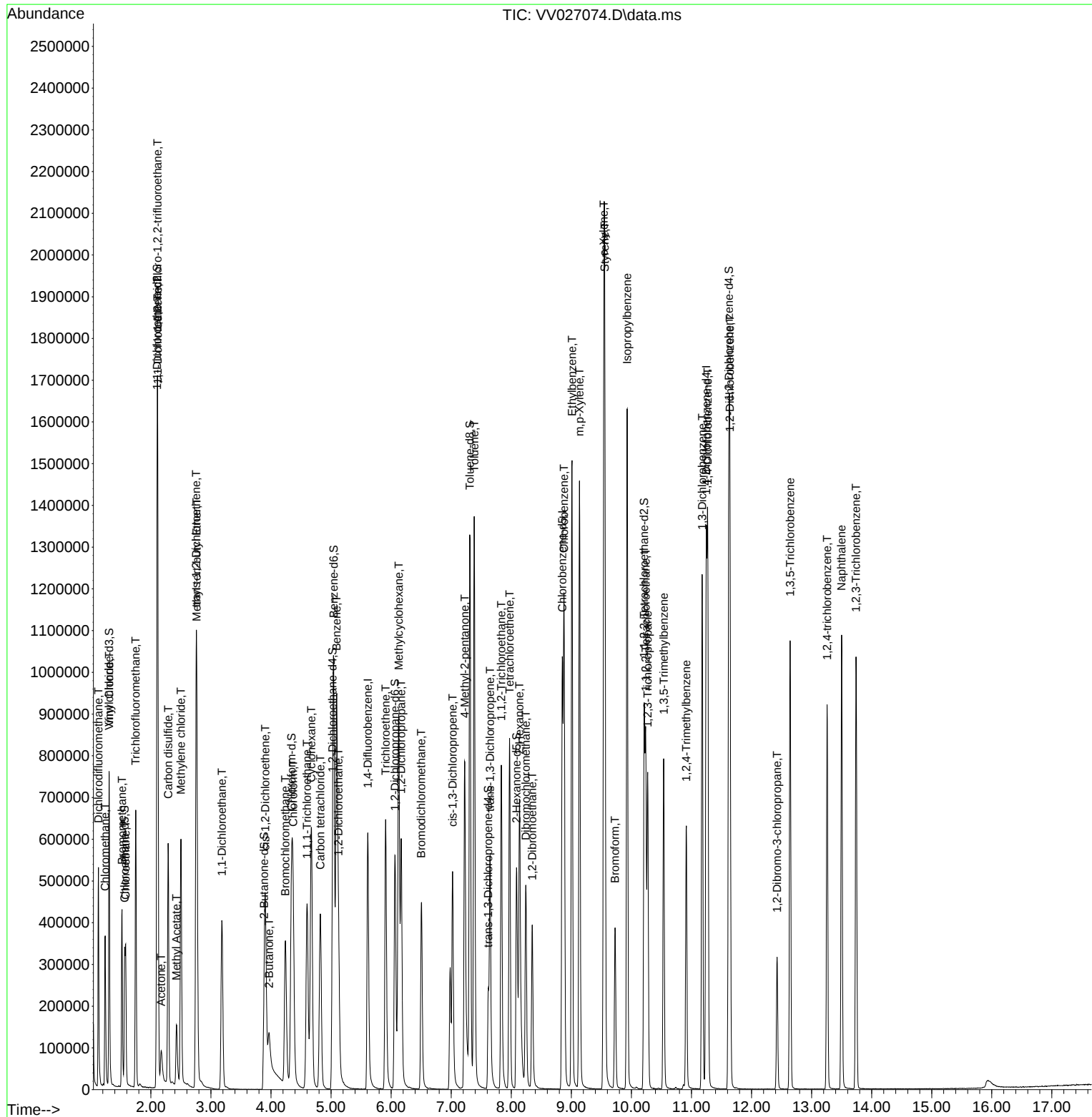
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	304984	53.296	ug/L	99
29) Cyclohexane	4.670	56	326227	52.434	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	380372	51.178	ug/L	100
31) Carbon tetrachloride	4.822	117	332847	51.443	ug/L	100
33) Benzene	5.092	78	986570	52.866	ug/L	100
34) Trichloroethene	5.908	95	238750	49.708	ug/L	98
35) Methylcyclohexane	6.127	83	384548	53.667	ug/L	99
37) 1,2-Dichloropropane	6.169	63	242939	52.015	ug/L	99
38) Bromodichloromethane	6.503	83	318045	51.268	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	335979	50.145	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	592579	100.311	ug/L	97
42) Toluene	7.384	91	1042869	54.201	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	338795	52.010	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	259794	51.955	ug/L	99
46) Tetrachloroethene	7.973	164	191435	50.957	ug/L	99
48) 2-Hexanone	8.137	43	478839	102.857	ug/L	99
49) Dibromochloromethane	8.243	129	264600	51.454	ug/L	98
50) 1,2-Dibromoethane	8.349	107	269182	51.337	ug/L	99
51) Chlorobenzene	8.879	112	666246	51.344	ug/L	100
52) Ethylbenzene	9.011	91	1042000	53.484	ug/L	98
53) m,p-Xylene	9.137	106	423747	55.297	ug/L	98
54) o-Xylene	9.542	106	406077	55.026	ug/L	98
55) Styrene	9.558	104	750995	58.147	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	407972	50.604	ug/L	100
59) Bromoform	9.728	173	179006	47.138	ug/L	100
60) Isopropylbenzene	9.931	105	1037042	49.710	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	319114	45.515	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	421885	47.248	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	342409	48.053	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	505956	49.959	ug/L	100
65) 1,4-Dichlorobenzene	11.272	146	530944	49.751	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	526717	49.801	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	79458	43.226	ug/L	99
69) 1,3,5-Trichlorobenzene	12.644	180	344117	50.097	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	278541	47.377	ug/L	100
71) Naphthalene	13.500	128	839126	41.019	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	313477	49.159	ug/L	99

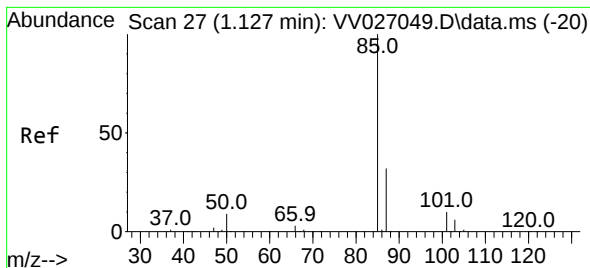
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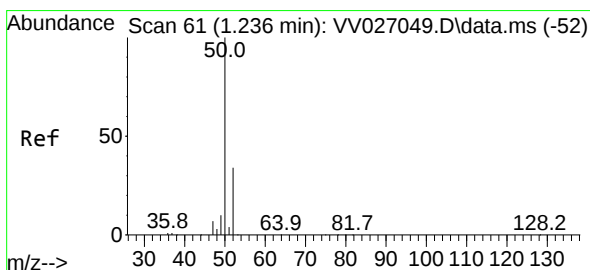
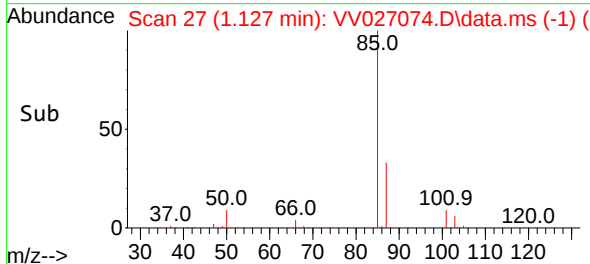
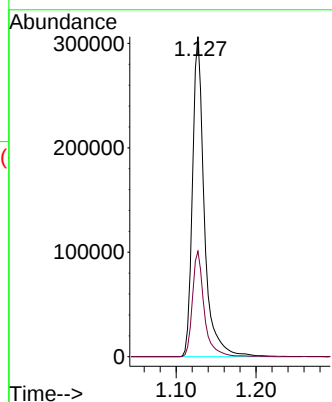
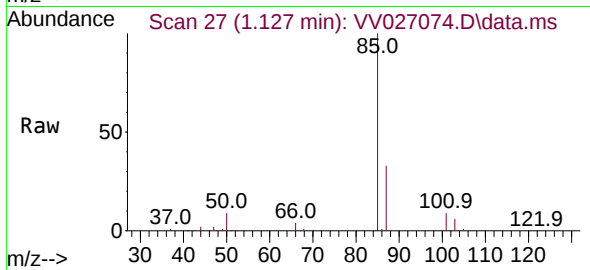




#2
 Dichlorodifluoromethane
 Concen: 53.886 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

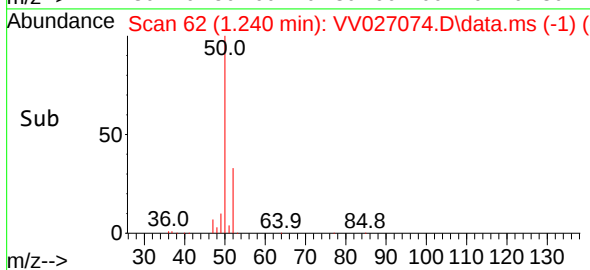
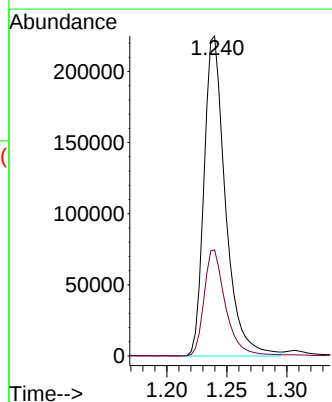
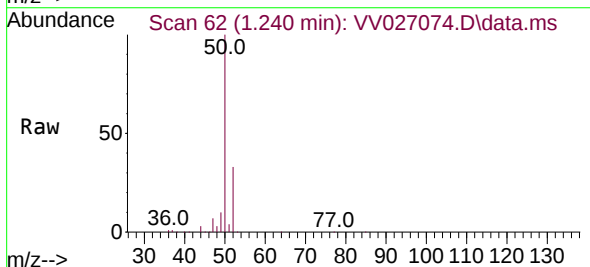
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 ClientSampleId :
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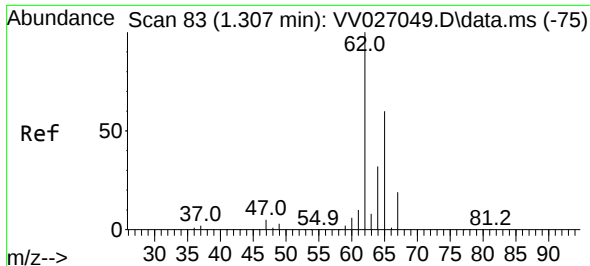
Tgt Ion: 85 Resp: 316757
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 52.032 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

Tgt Ion: 50 Resp: 279680
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.5 43.7

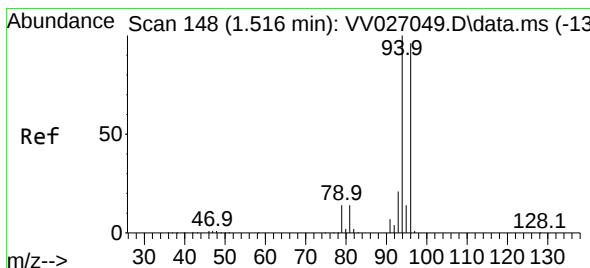
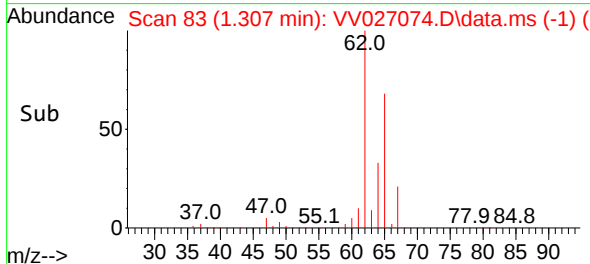
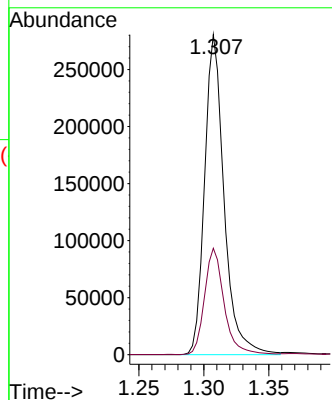
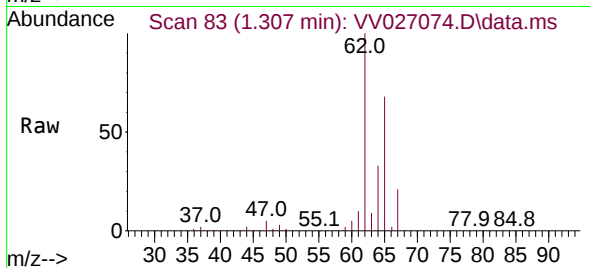




#5
 Vinyl chloride
 Concen: 51.382 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

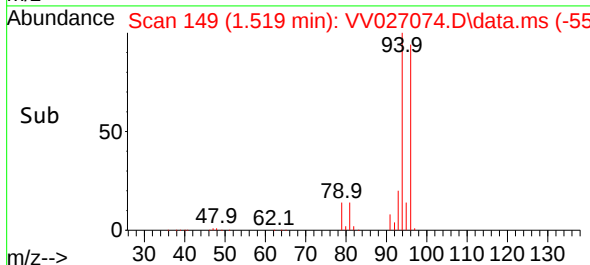
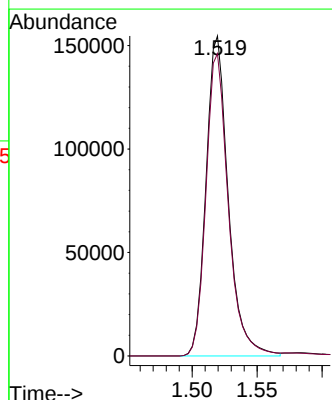
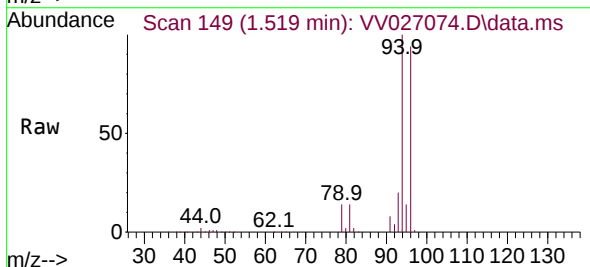
Instrument :
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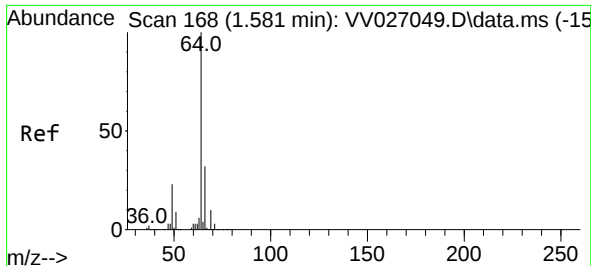
Tgt Ion: 62 Resp: 292955
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.2



#6
 Bromomethane
 Concen: 52.640 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

Tgt Ion: 94 Resp: 184320
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.1 122.8

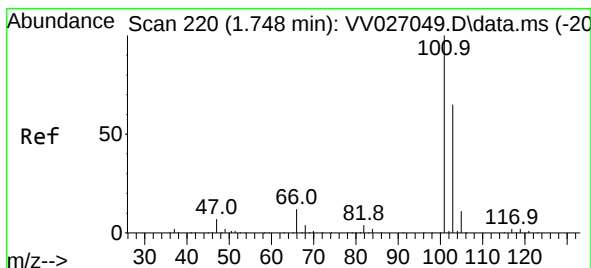
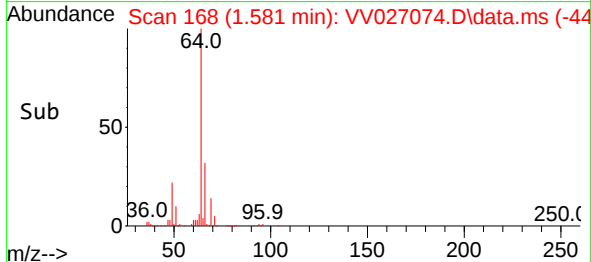
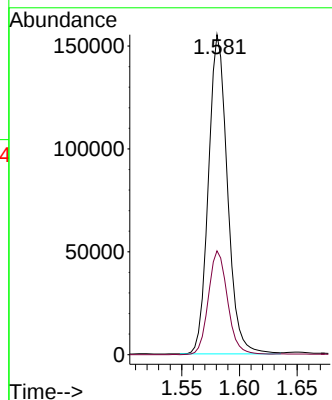
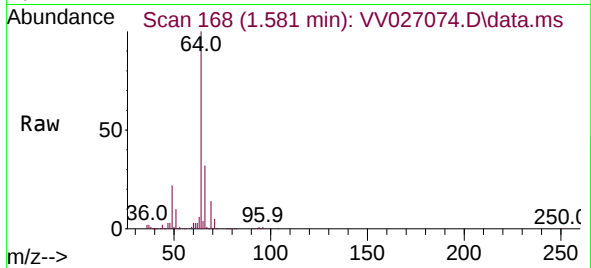




#8
Chloroethane
Concen: 53.209 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

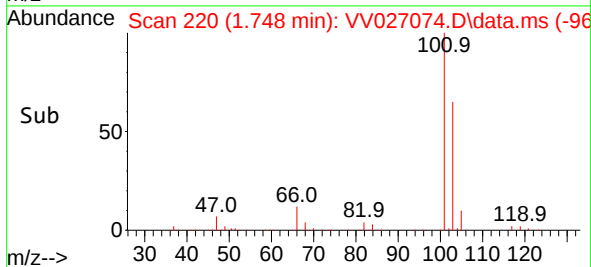
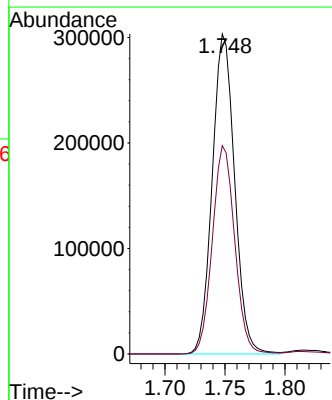
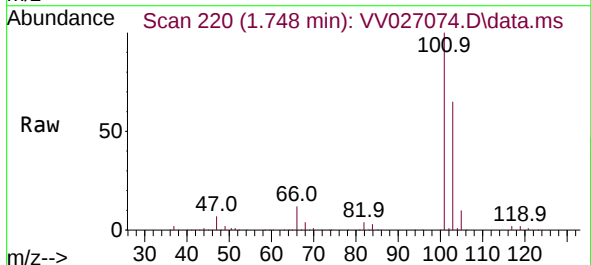
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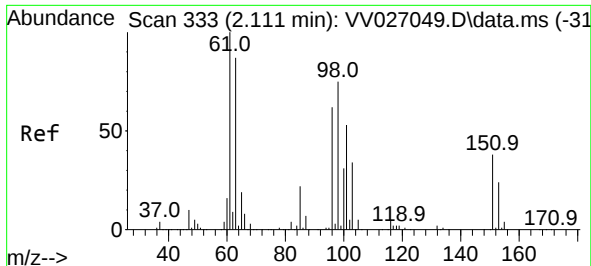
Tgt Ion: 64 Resp: 178122
Ion Ratio Lower Upper
64 100
66 32.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 53.763 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion:101 Resp: 393261
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

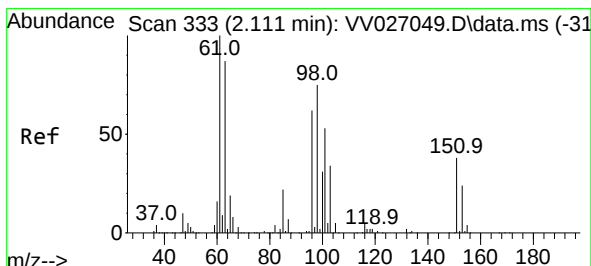
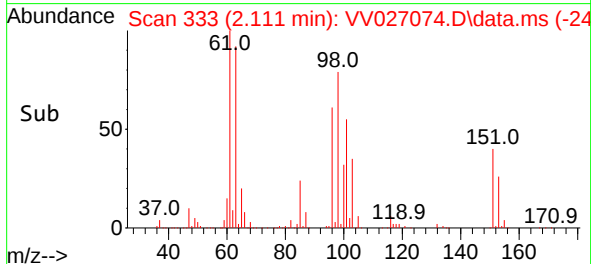
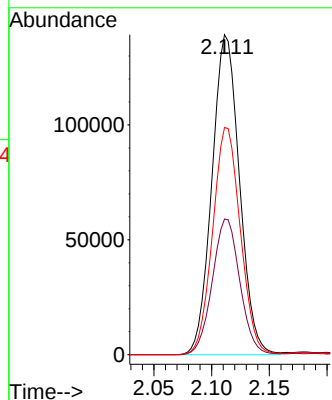
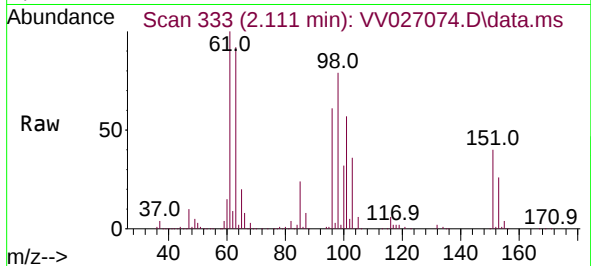




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.812 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV027074.D
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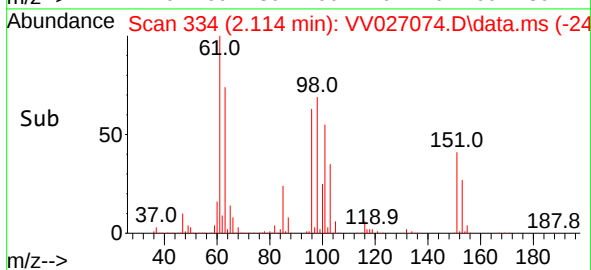
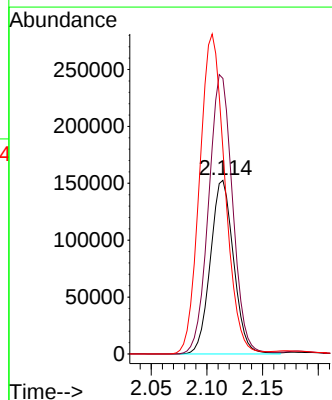
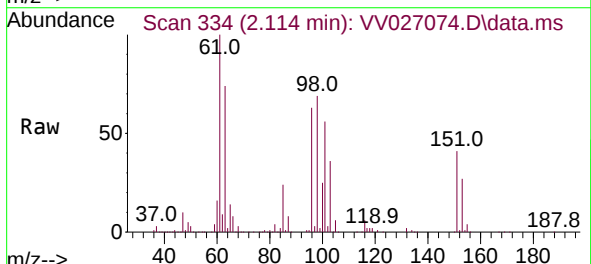
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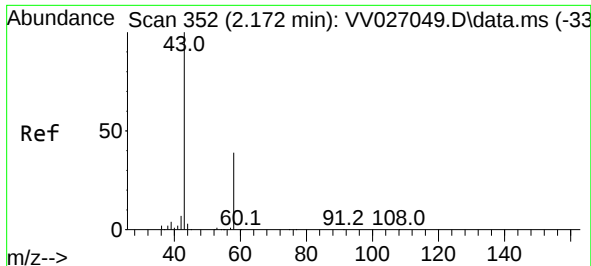
Tgt Ion:101 Resp: 231447
 Ion Ratio Lower Upper
 101 100
 85 42.4 34.1 51.1
 151 71.4 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 53.640 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

Tgt Ion: 96 Resp: 221304
 Ion Ratio Lower Upper
 96 100
 61 158.7 114.3 212.3
 63 117.9 93.4 173.4





#13

Acetone

Concen: 55.247 ug/L

RT: 2.172 min Scan# 352

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

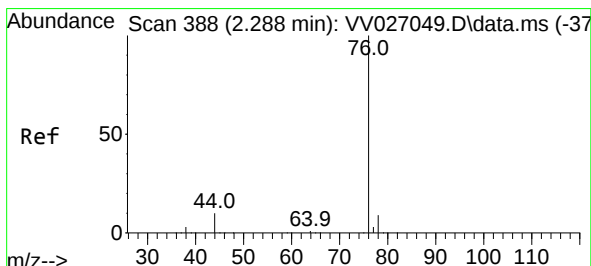
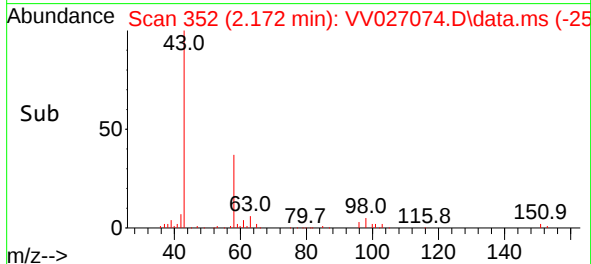
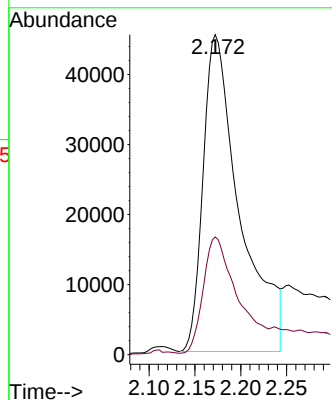
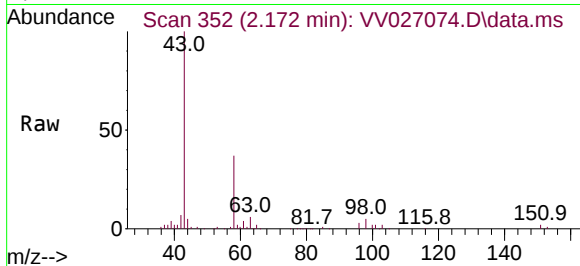
VSTD050318

Tgt Ion: 43 Resp: 125730

Ion Ratio Lower Upper

43 100

58 34.9 0.0 49.6



#14

Carbon disulfide

Concen: 50.842 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

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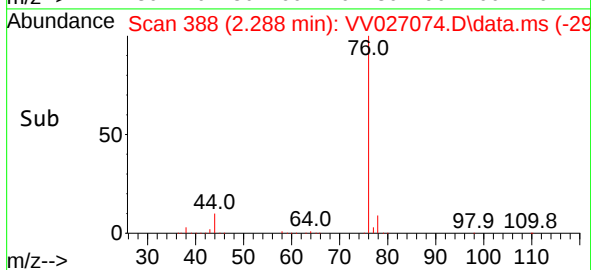
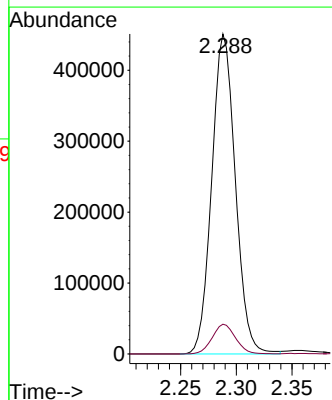
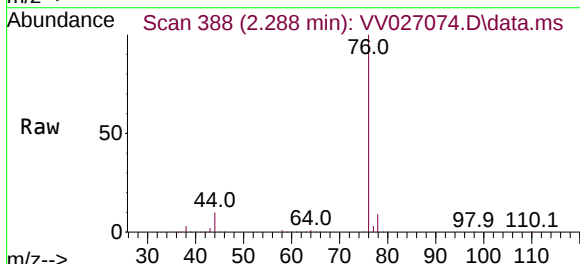
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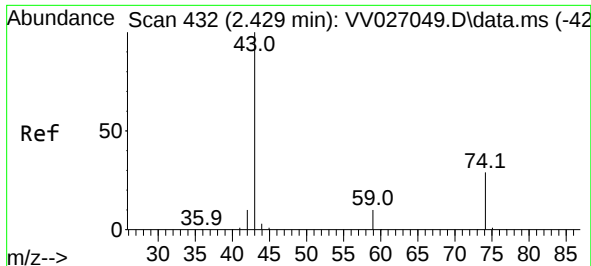
Tgt Ion: 76 Resp: 665469

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

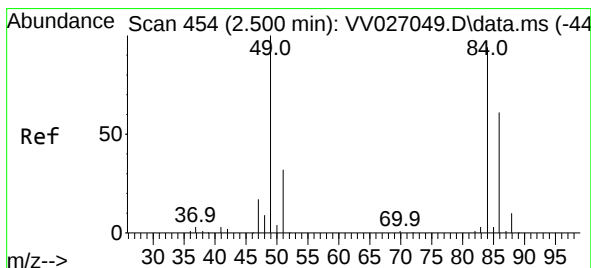
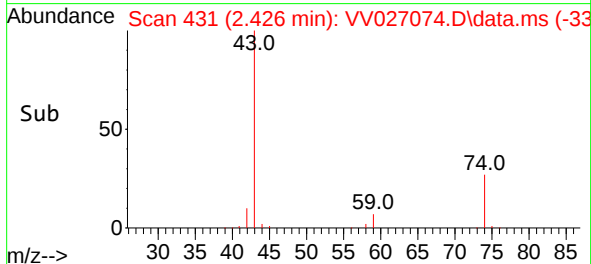
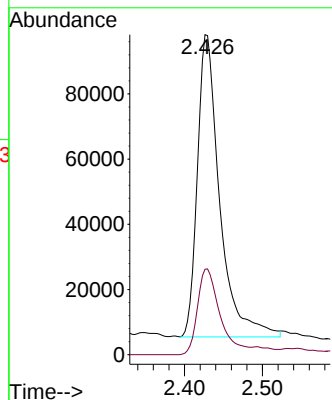
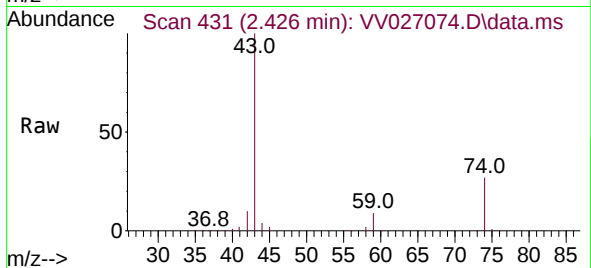




#15
Methyl Acetate
Concen: 48.728 ug/L
RT: 2.426 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

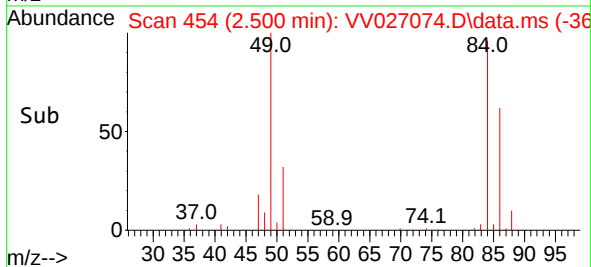
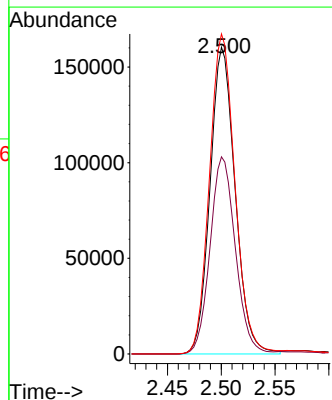
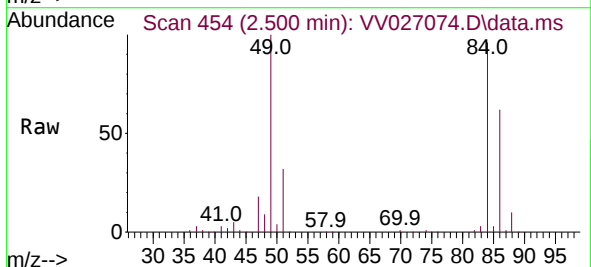
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

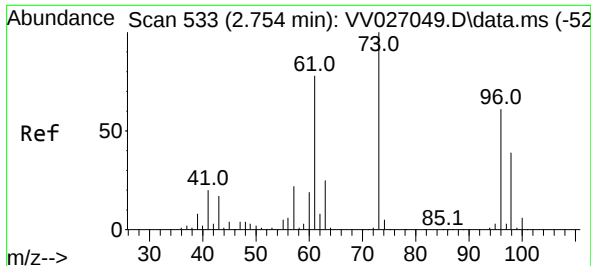
Tgt Ion: 43 Resp: 184290
Ion Ratio Lower Upper
43 100
74 28.8 25.5 38.3



#16
Methylene chloride
Concen: 49.480 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 84 Resp: 260214
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 104.4 74.1 137.7





#17

trans-1,2-Dichloroethene

Concen: 51.200 ug/L

RT: 2.754 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

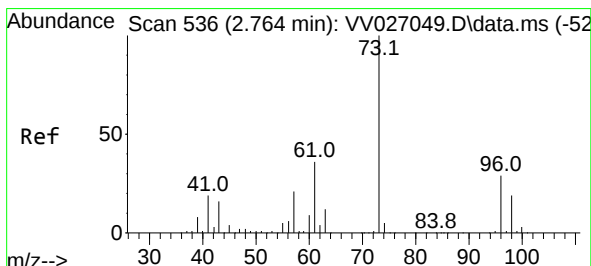
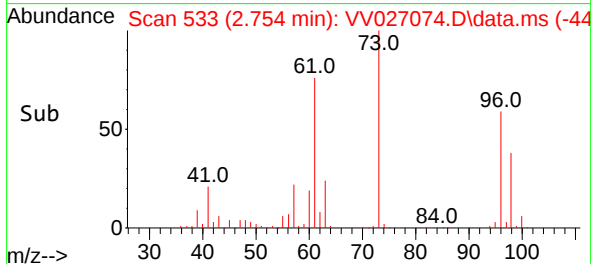
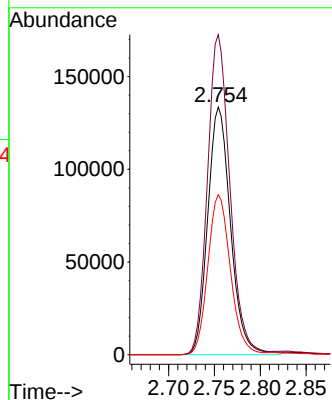
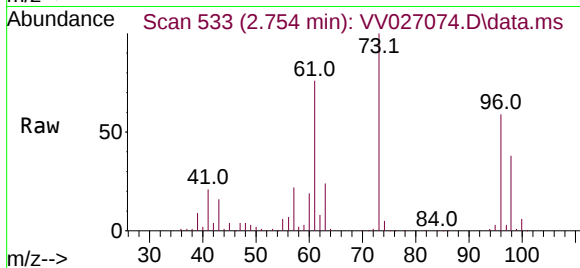
Tgt Ion: 96 Resp: 231266

Ion Ratio Lower Upper

96 100

61 129.2 89.2 165.6

98 64.6 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 50.913 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

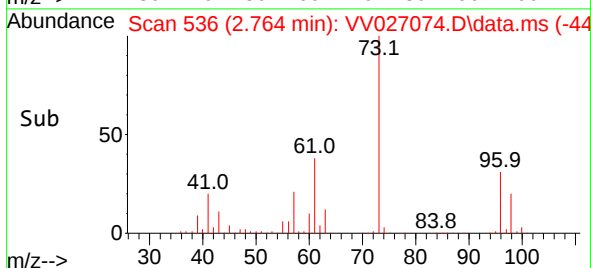
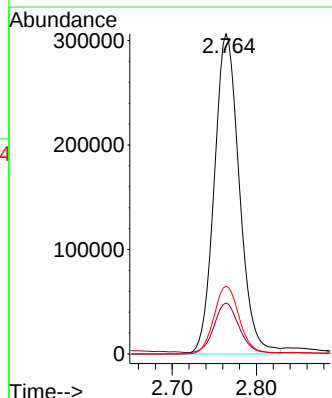
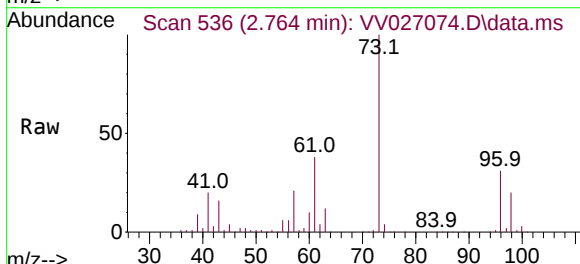
Tgt Ion: 73 Resp: 631659

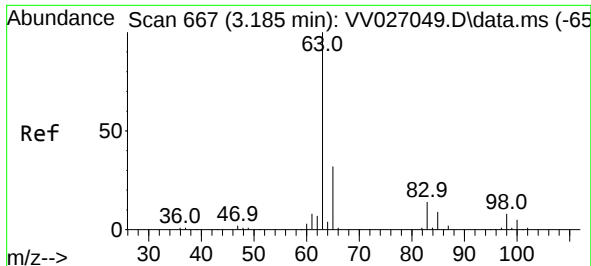
Ion Ratio Lower Upper

73 100

43 15.1 12.6 18.8

57 21.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 51.957 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

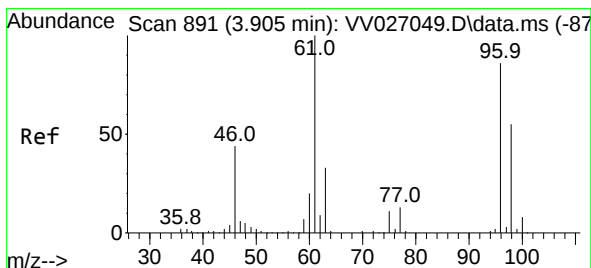
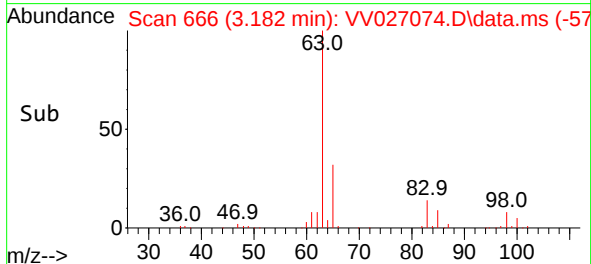
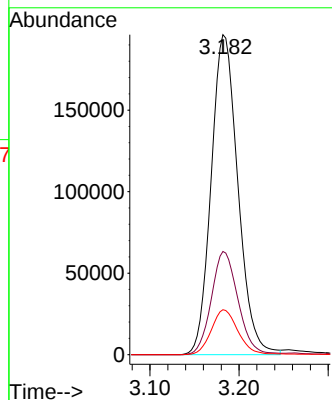
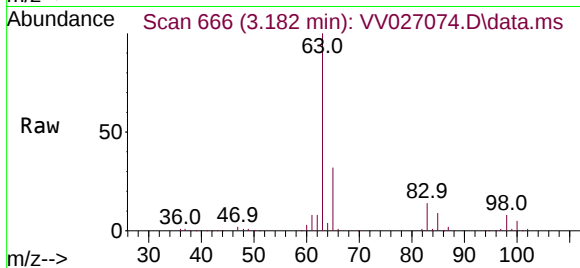
Tgt Ion: 63 Resp: 409816

Ion Ratio Lower Upper

63 100

65 32.2 22.7 42.3

83 14.0 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.846 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

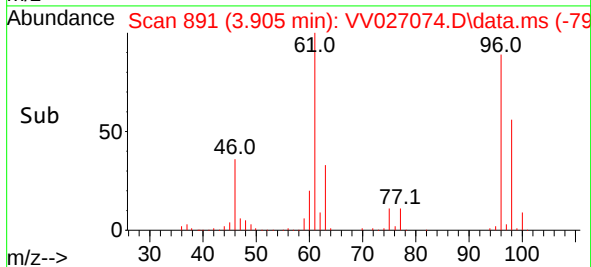
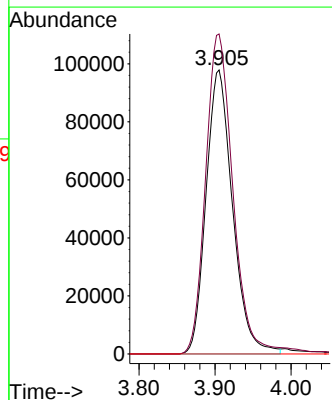
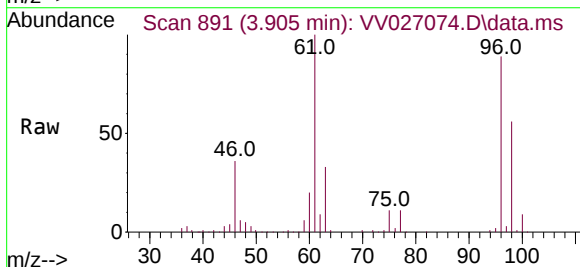
Tgt Ion: 96 Resp: 237497

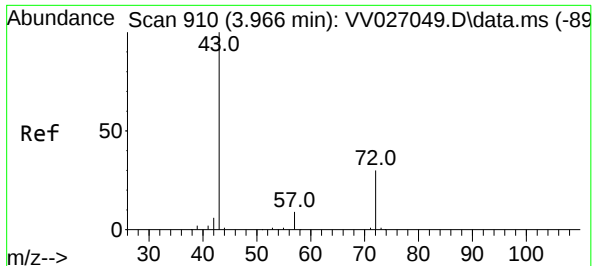
Ion Ratio Lower Upper

96 100

61 112.7 81.8 151.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 76.856 ug/L

RT: 3.966 min Scan# 910

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

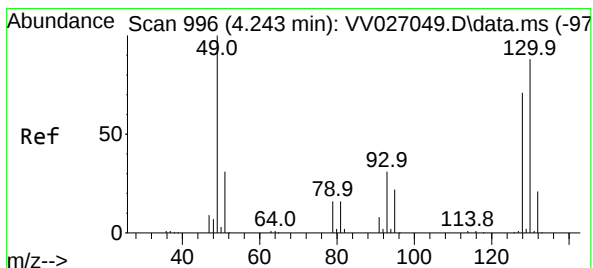
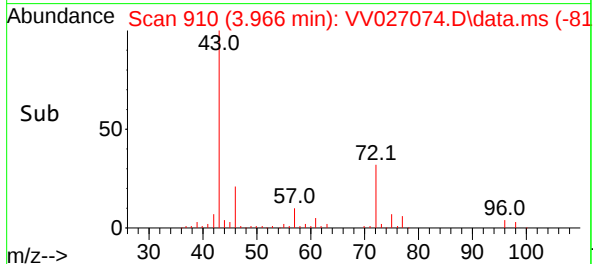
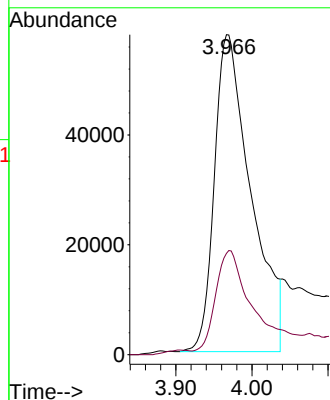
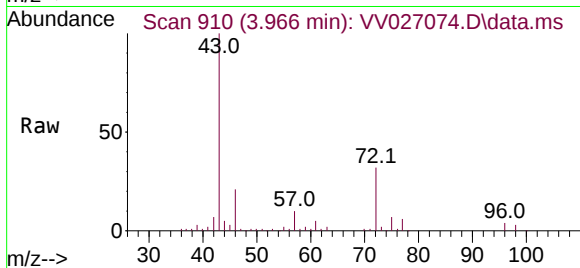
VSTD050318

Tgt Ion: 43 Resp: 192960

Ion Ratio Lower Upper

43 100

72 32.8 11.9 35.7



#23

Bromochloromethane

Concen: 54.837 ug/L

RT: 4.240 min Scan# 995

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Tgt Ion:128 Resp: 137979

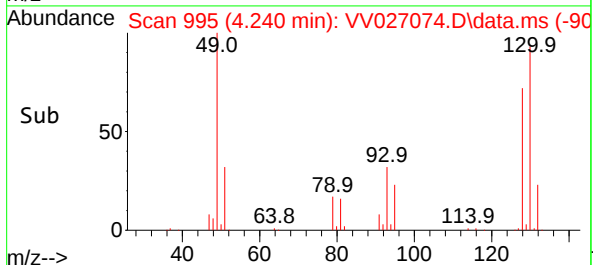
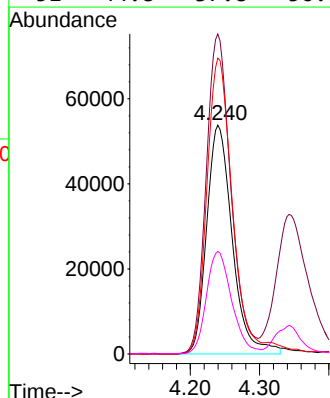
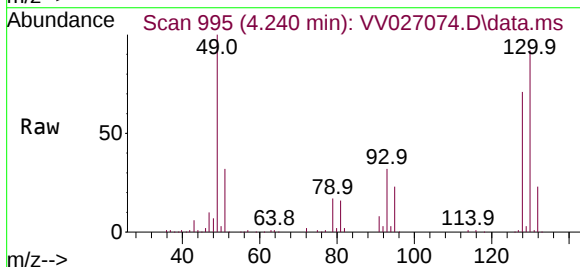
Ion Ratio Lower Upper

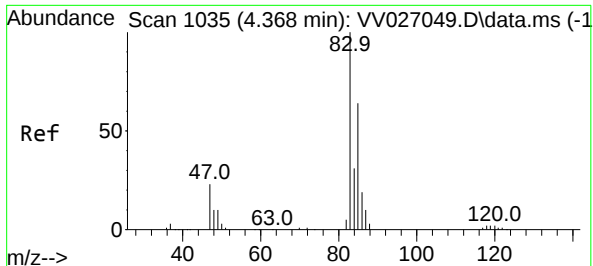
128 100

49 139.9 98.7 183.3

130 129.3 89.5 166.1

51 44.8 37.8 56.8





#25

Chloroform

Concen: 53.594 ug/L

RT: 4.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

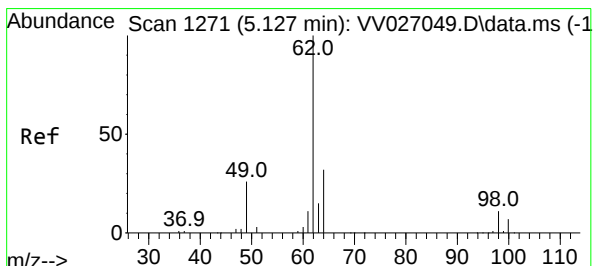
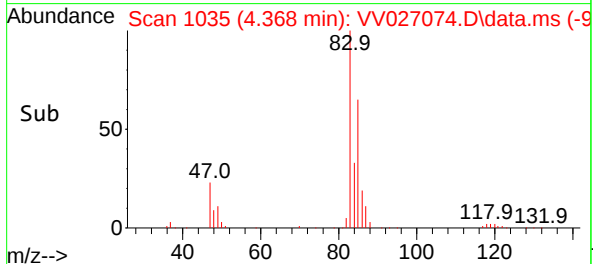
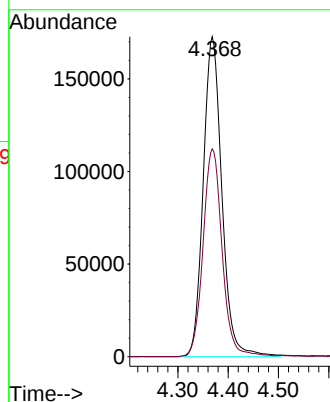
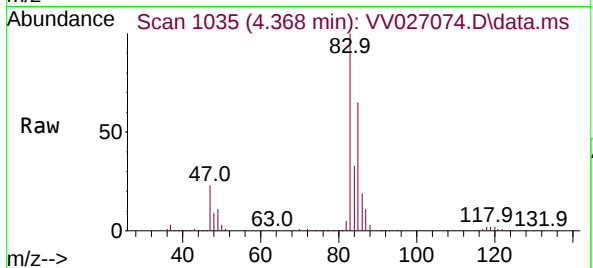
VSTD050318

Tgt Ion: 83 Resp: 445686

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 53.296 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV027074.D

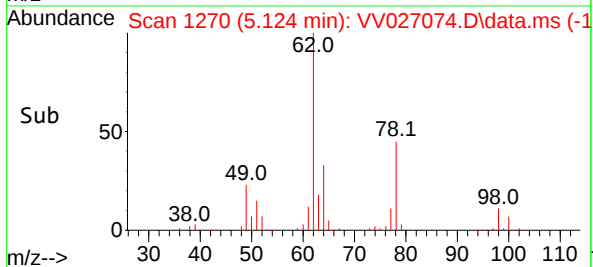
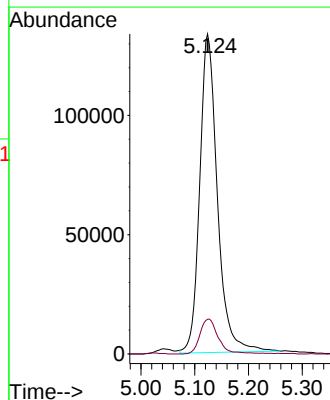
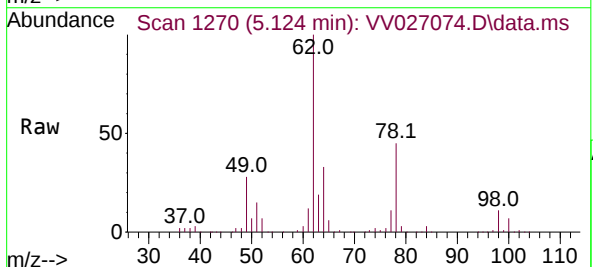
Acq: 29 Jul 2022 10:37

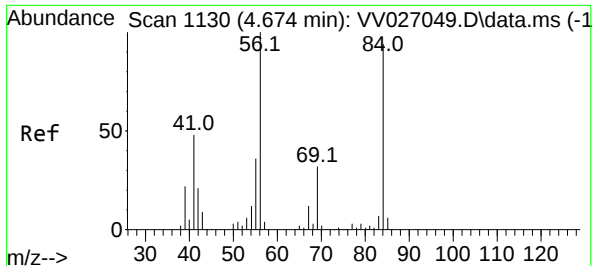
Tgt Ion: 62 Resp: 304984

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.6





#29

Cyclohexane

Concen: 52.434 ug/L

RT: 4.670 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

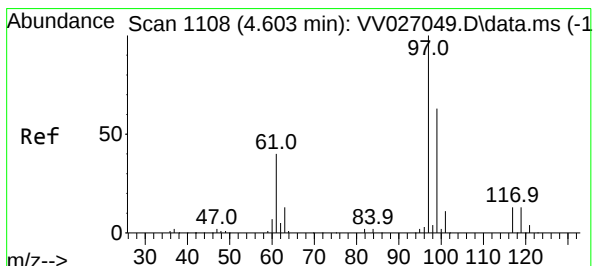
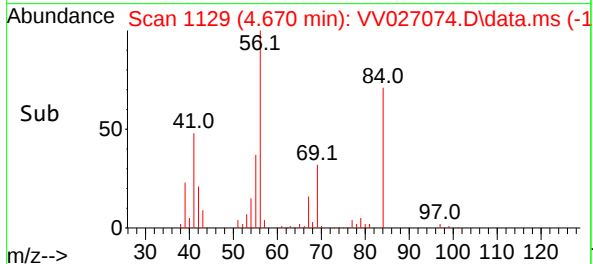
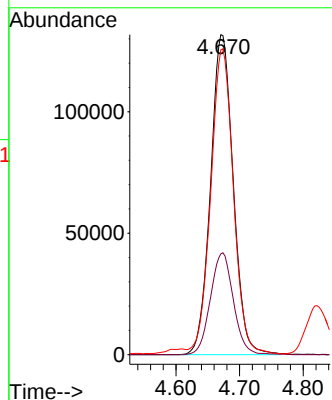
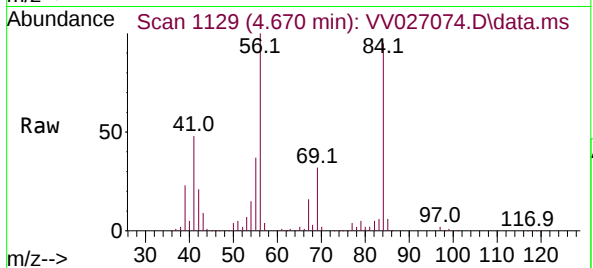
Tgt Ion: 56 Resp: 326227

Ion Ratio Lower Upper

56 100

69 32.1 25.9 38.9

84 94.6 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 51.178 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

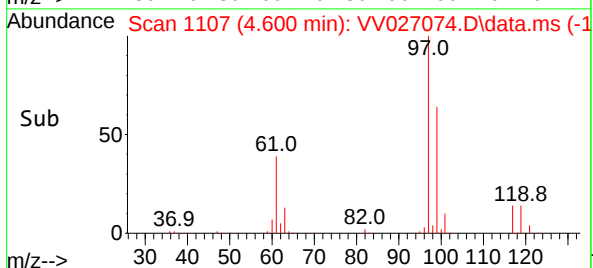
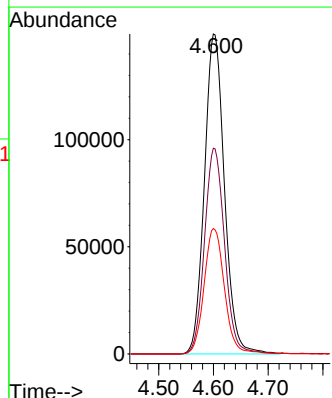
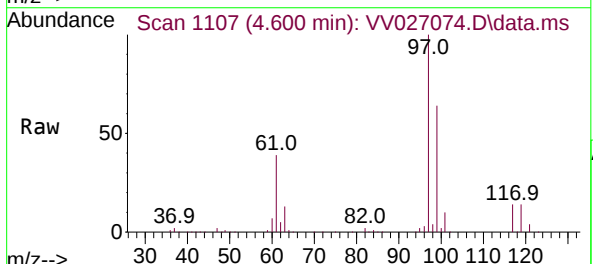
Tgt Ion: 97 Resp: 380372

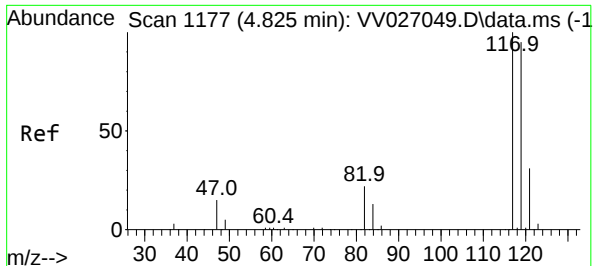
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 39.5 32.1 48.1

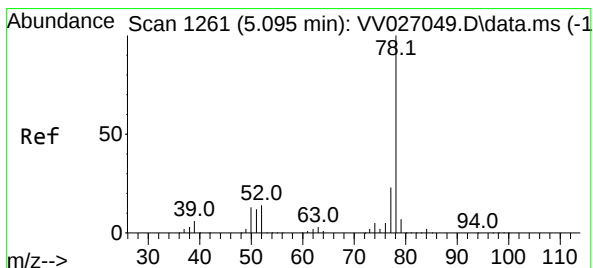
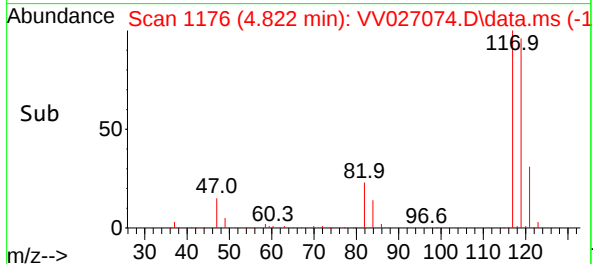
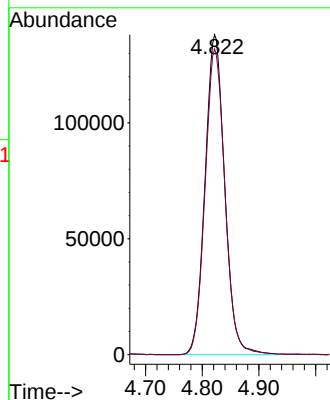
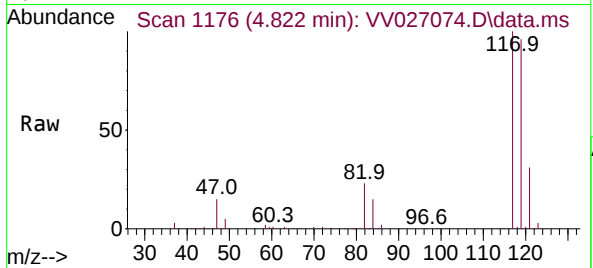




#31
Carbon tetrachloride
Concen: 51.443 ug/L
RT: 4.822 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

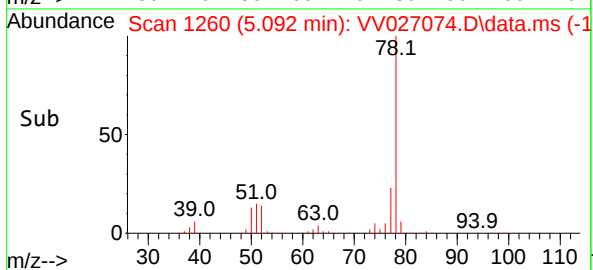
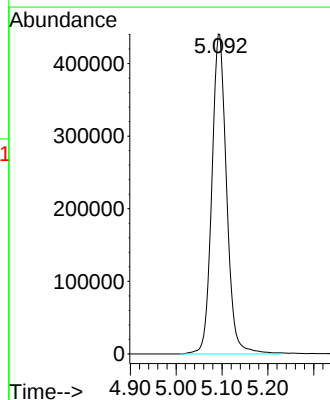
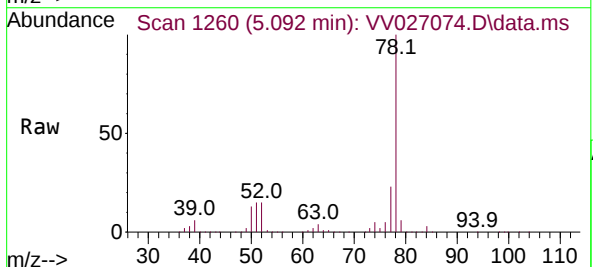
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

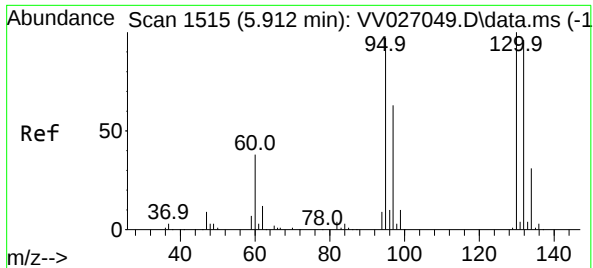
Tgt Ion:117 Resp: 332847
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.6



#33
Benzene
Concen: 52.866 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 78 Resp: 986570

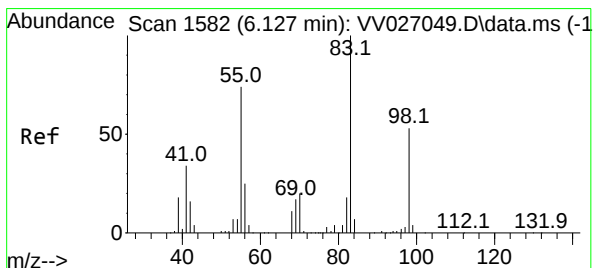
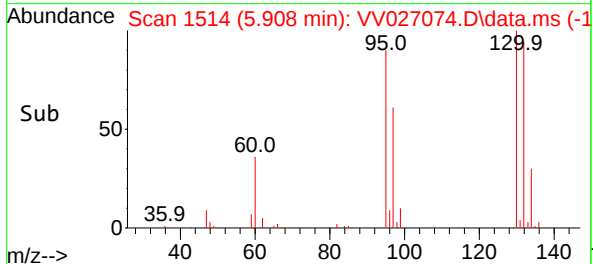
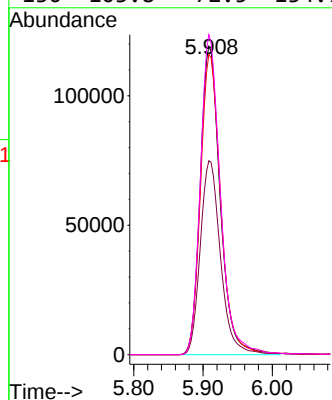
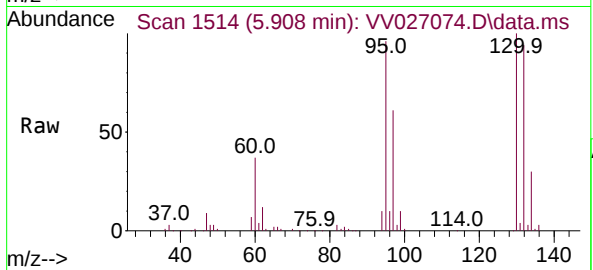




#34
Trichloroethene
Concen: 49.708 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

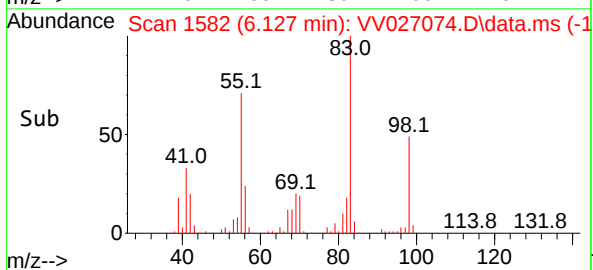
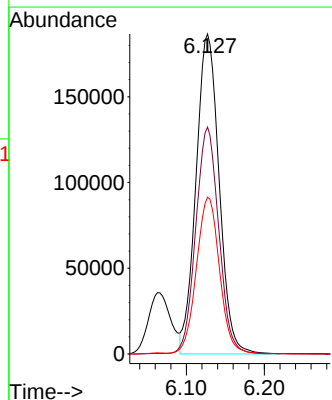
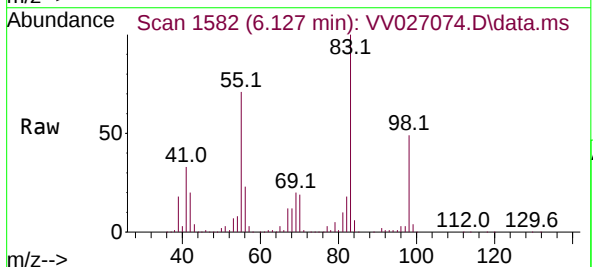
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

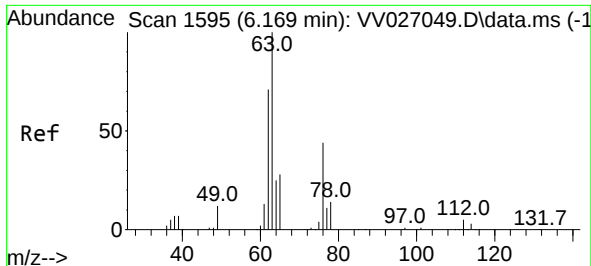
Tgt Ion: 95 Resp: 238750
Ion Ratio Lower Upper
95 100
97 62.9 45.9 85.3
132 97.3 69.8 129.6
130 103.8 72.5 134.7



#35
Methylcyclohexane
Concen: 53.667 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 83 Resp: 384548
Ion Ratio Lower Upper
83 100
55 70.5 55.5 83.3
98 49.2 39.0 58.4





#37

1,2-Dichloropropane

Concen: 52.015 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

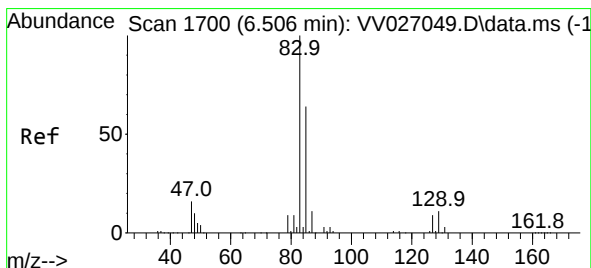
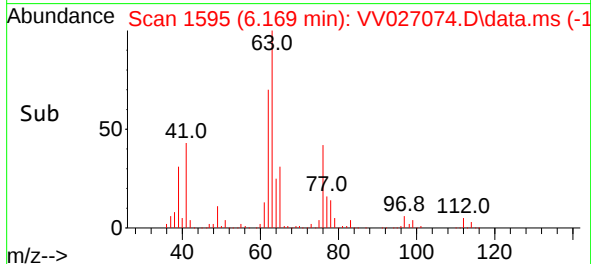
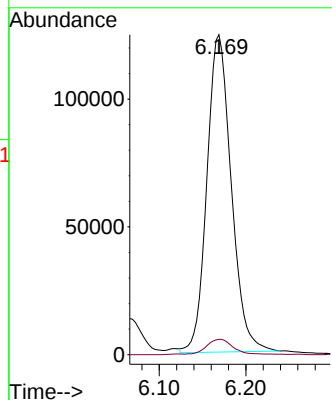
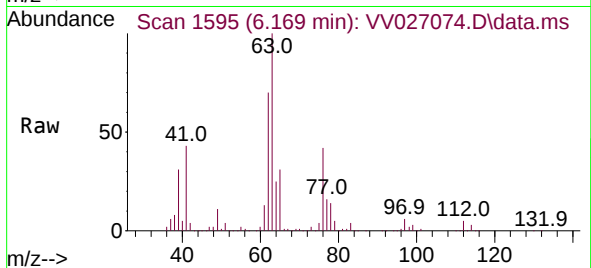
VSTD050318

Tgt Ion: 63 Resp: 242939

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 51.268 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

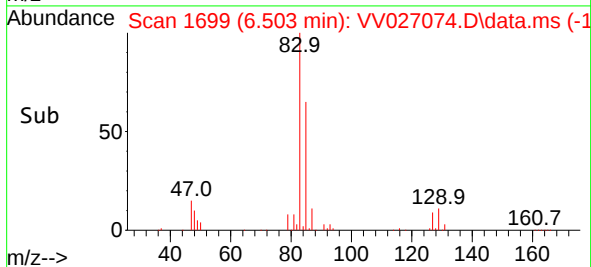
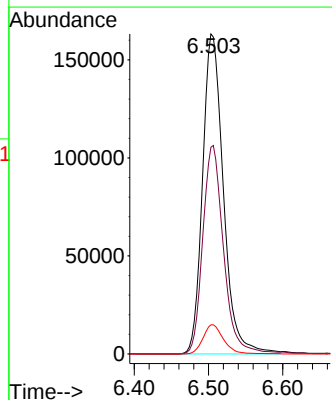
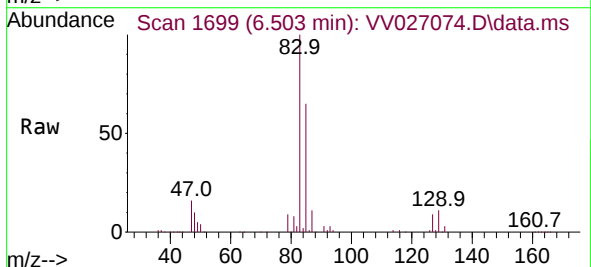
Tgt Ion: 83 Resp: 318045

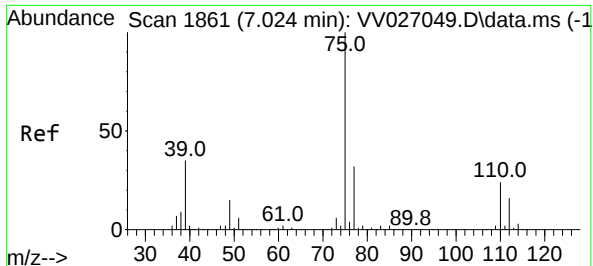
Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 50.145 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

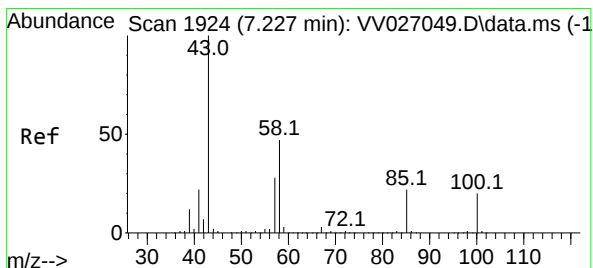
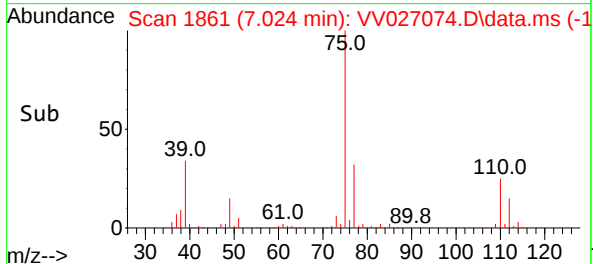
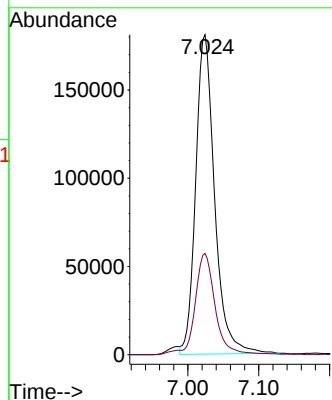
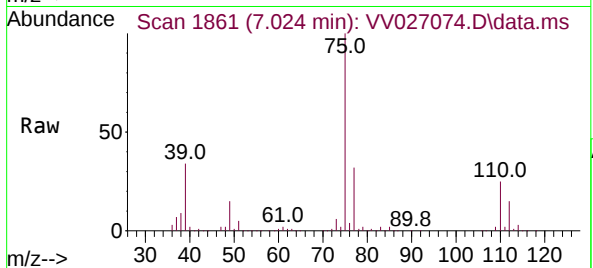
VSTD050318

Tgt Ion: 75 Resp: 335979

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 100.311 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

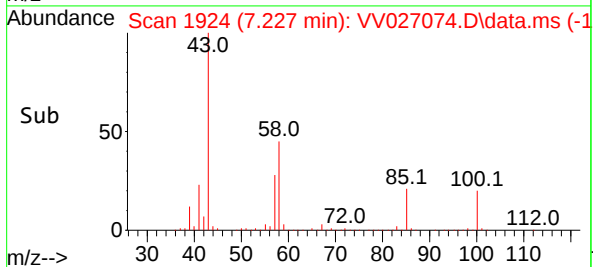
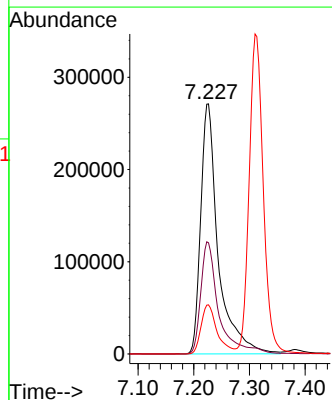
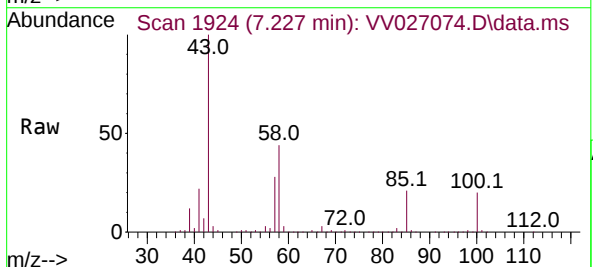
Tgt Ion: 43 Resp: 592579

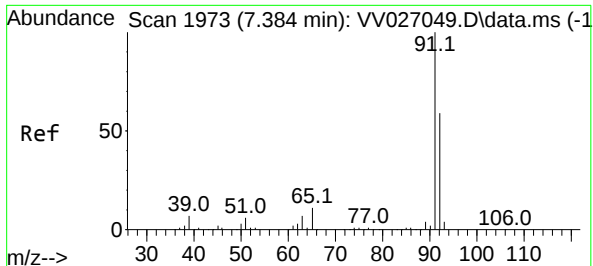
Ion Ratio Lower Upper

43 100

58 45.9 35.3 52.9

100 18.2 15.7 23.5





#42

Toluene

Concen: 54.201 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

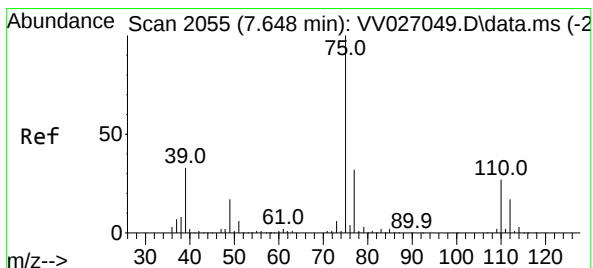
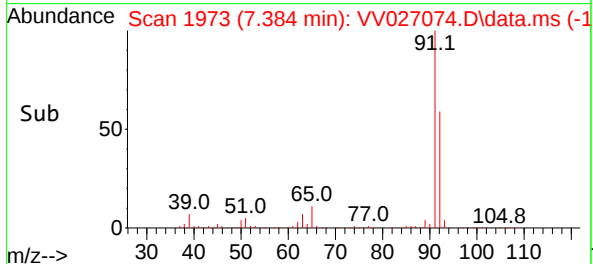
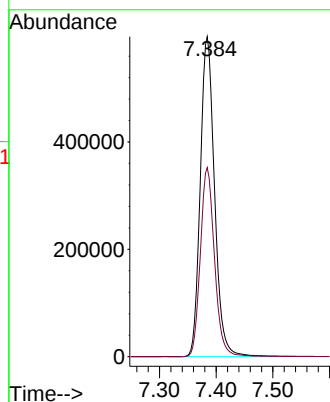
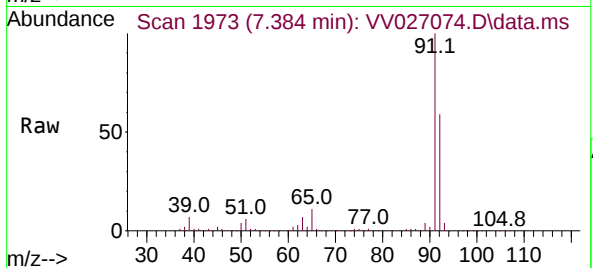
VSTD050318

Tgt Ion: 91 Resp: 1042869

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.010 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027074.D

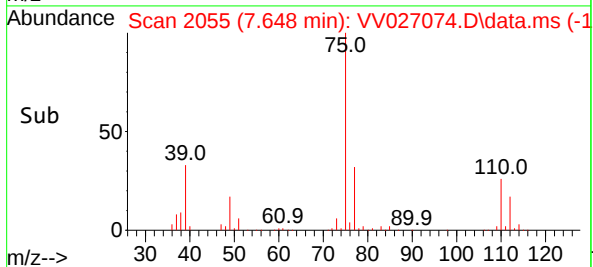
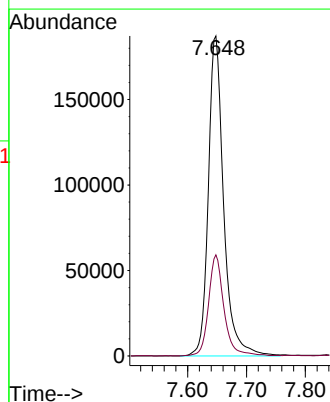
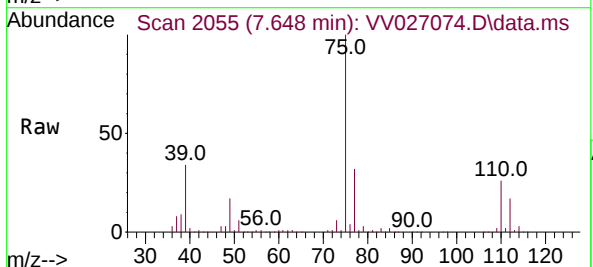
Acq: 29 Jul 2022 10:37

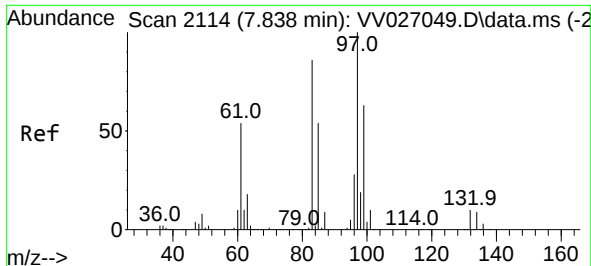
Tgt Ion: 75 Resp: 338795

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



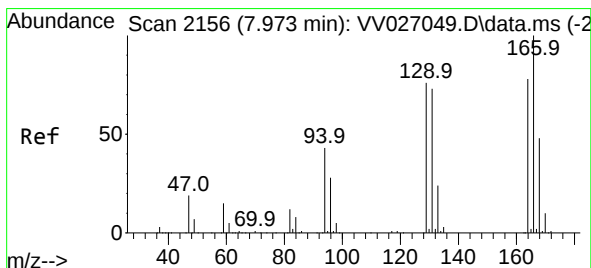
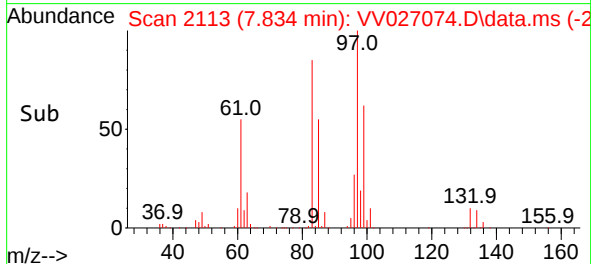
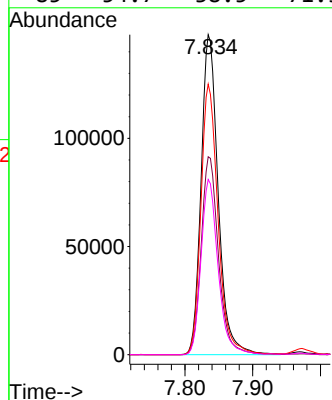
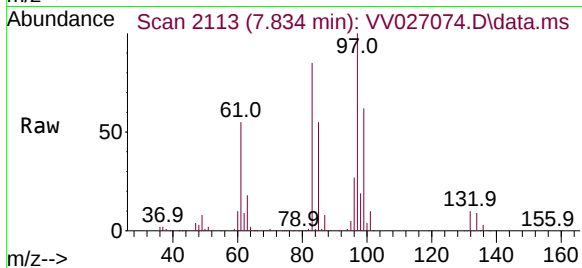


#45
1,1,2-Trichloroethane
Concen: 51.955 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

Tgt Ion: 97 Resp: 259794

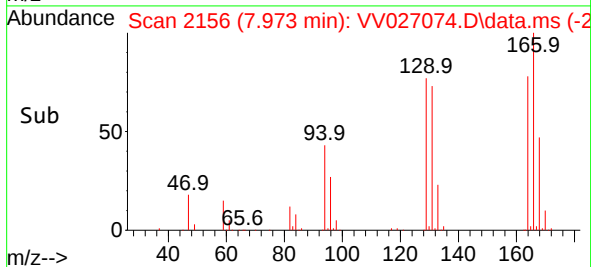
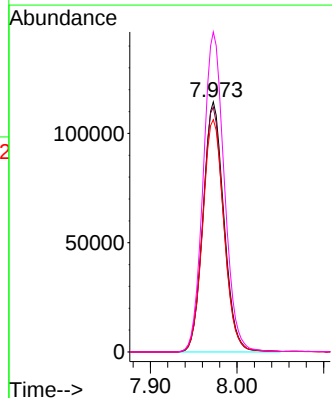
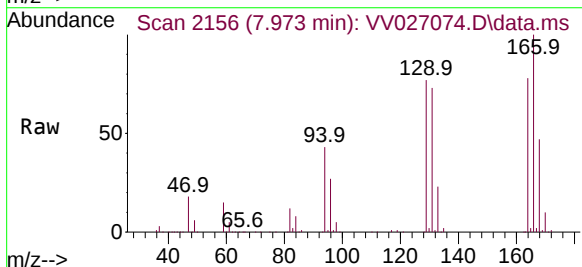
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.2	80.2
83	84.5	58.0	107.6
85	54.7	38.5	71.5

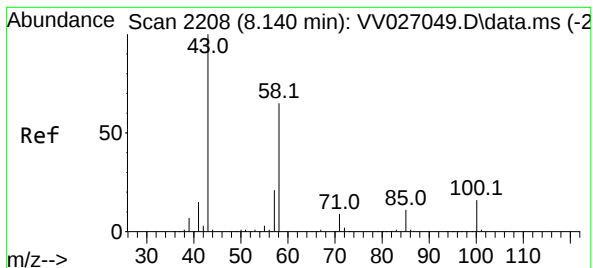


#46
Tetrachloroethene
Concen: 50.957 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 164 Resp: 191435

Ion	Ratio	Lower	Upper
164	100		
129	97.9	67.5	125.4
131	92.9	64.3	119.3
166	128.0	88.9	165.1





#48

2-Hexanone

Concen: 102.857 ug/L

RT: 8.137 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

Tgt Ion: 43 Resp: 478839

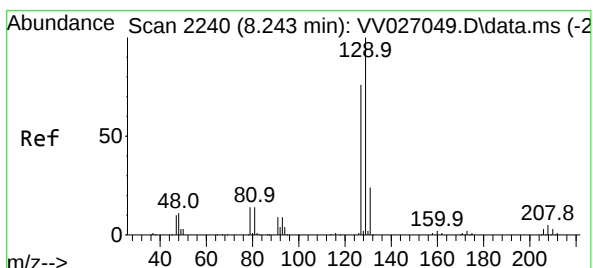
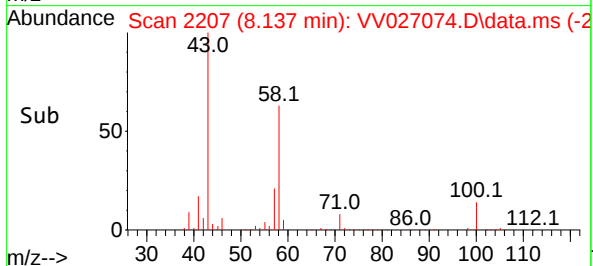
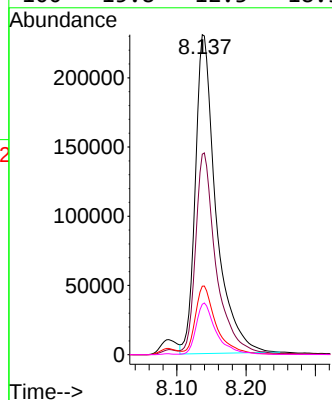
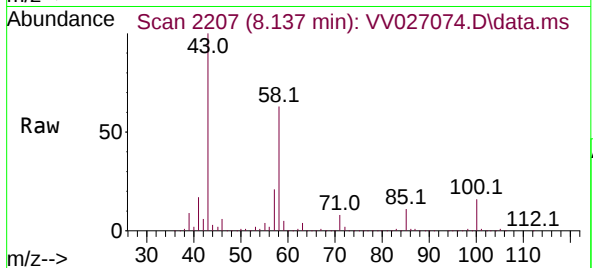
Ion Ratio Lower Upper

43 100

58 62.4 50.8 76.2

57 21.1 17.1 25.7

100 15.8 12.3 18.5



#49

Dibromochloromethane

Concen: 51.454 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV027074.D

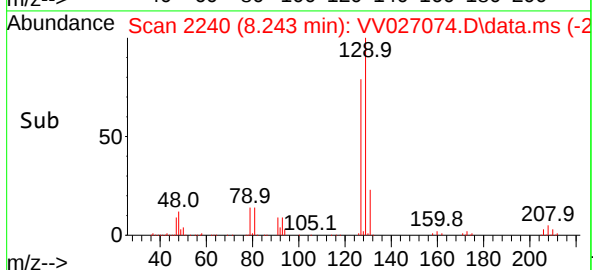
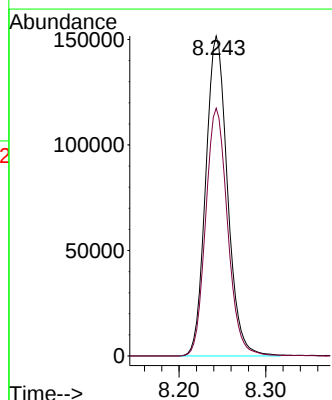
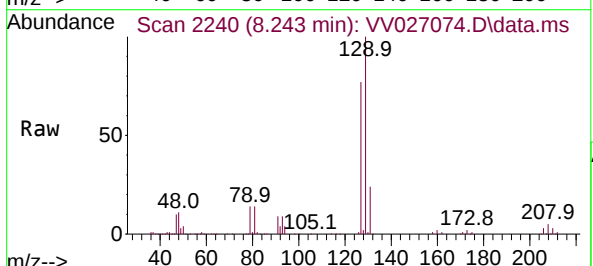
Acq: 29 Jul 2022 10:37

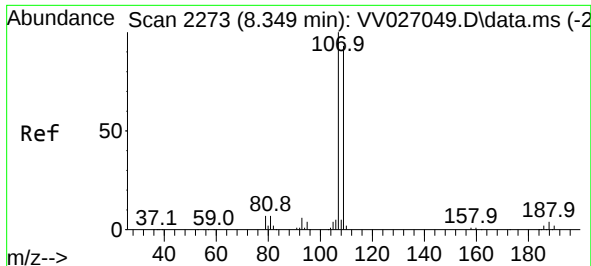
Tgt Ion:129 Resp: 264600

Ion Ratio Lower Upper

129 100

127 77.4 53.3 98.9





#50

1,2-Dibromoethane

Concen: 51.337 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

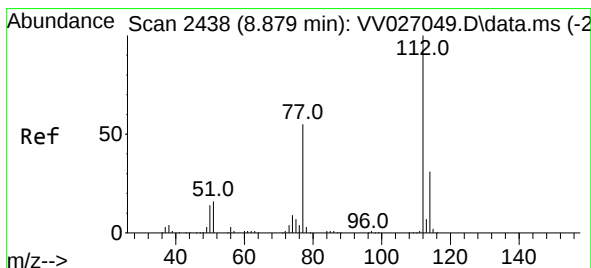
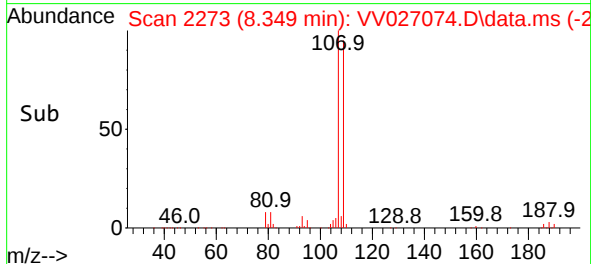
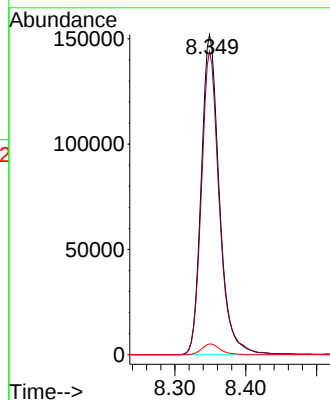
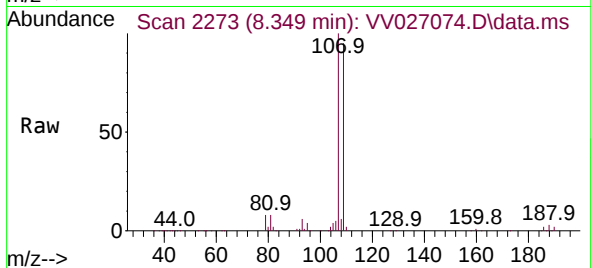
Tgt Ion:107 Resp: 269182

Ion Ratio Lower Upper

107 100

109 94.7 65.7 121.9

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 51.344 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

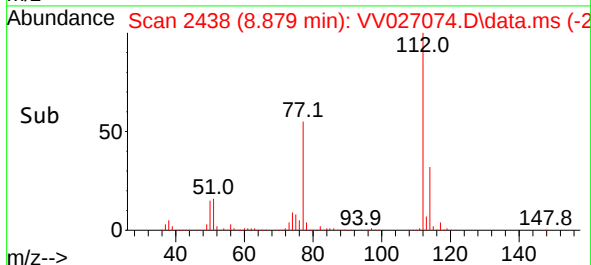
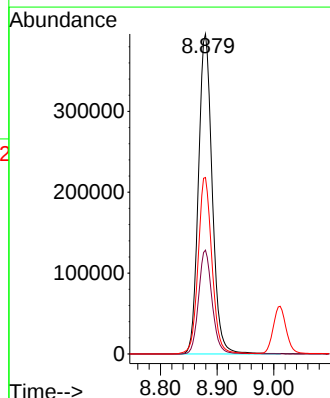
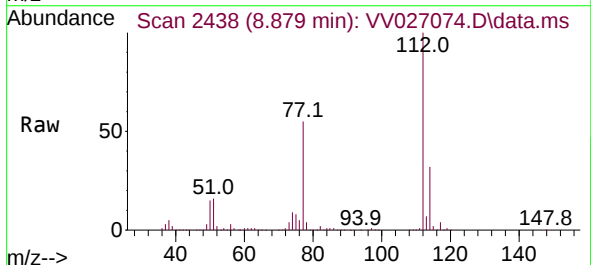
Tgt Ion:112 Resp: 666246

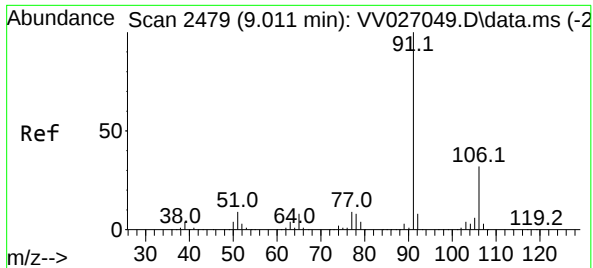
Ion Ratio Lower Upper

112 100

114 32.4 22.8 42.4

77 55.2 44.2 66.2

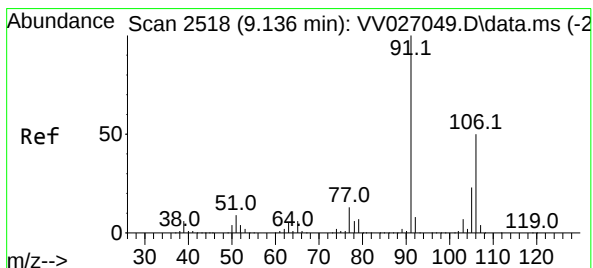
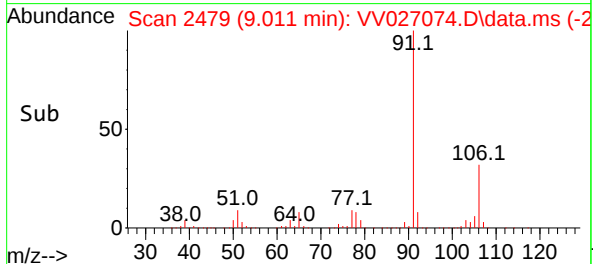
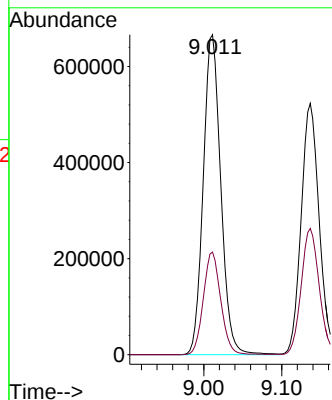
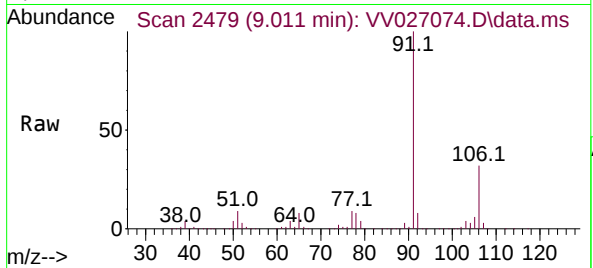




#52
Ethylbenzene
Concen: 53.484 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

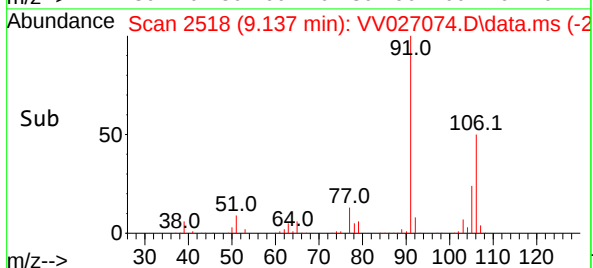
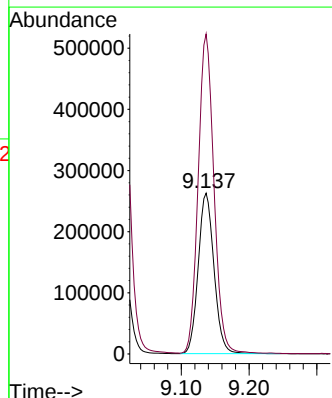
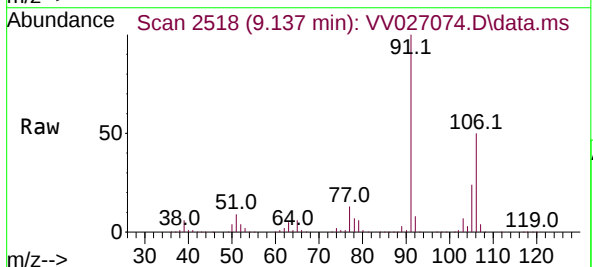
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

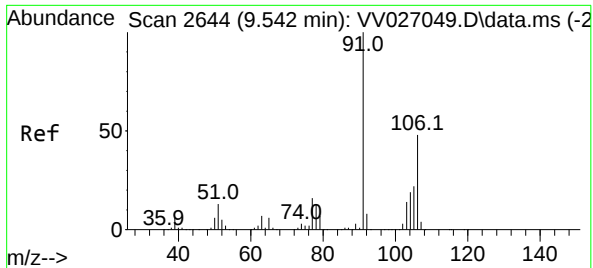
Tgt Ion: 91 Resp: 1042000
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.6



#53
m,p-Xylene
Concen: 55.297 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 106 Resp: 423747
Ion Ratio Lower Upper
106 100
91 199.1 137.5 255.3

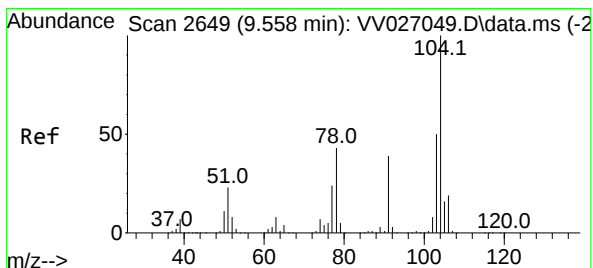
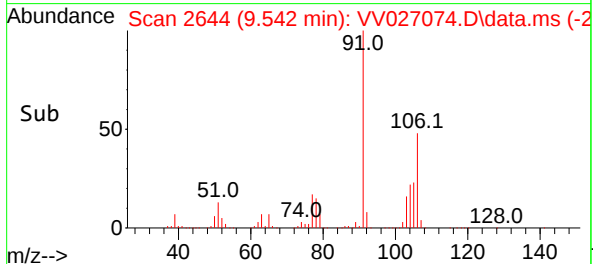
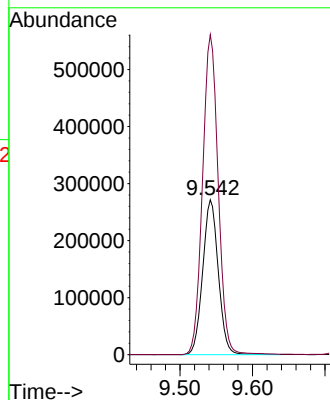
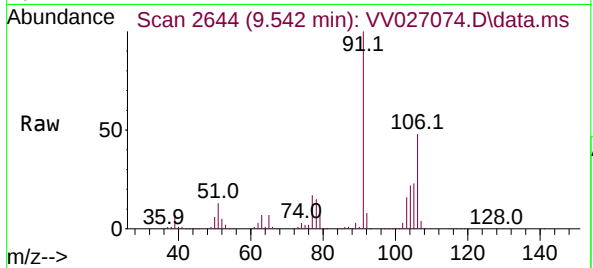




#54
o-Xylene
Concen: 55.026 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

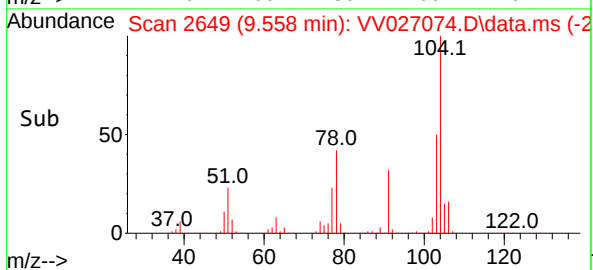
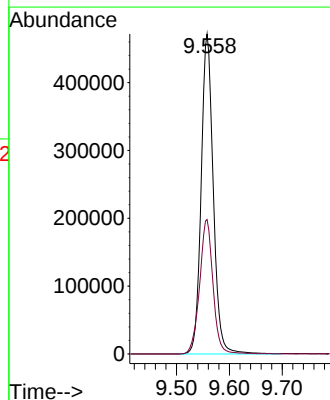
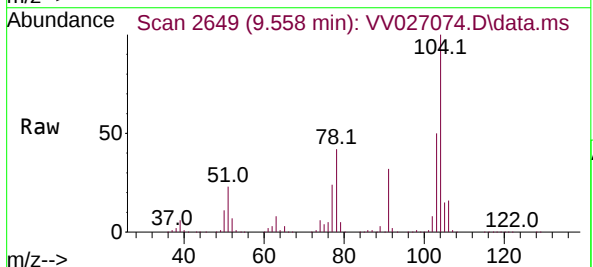
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

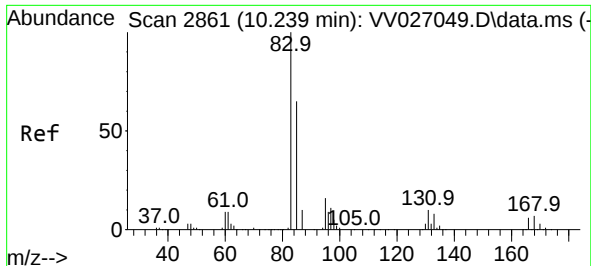
Tgt Ion:106 Resp: 406077
Ion Ratio Lower Upper
106 100
91 206.6 146.6 272.2



#55
Styrene
Concen: 58.147 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion:104 Resp: 750995
Ion Ratio Lower Upper
104 100
78 42.0 29.6 55.0





#57

1,1,2,2-Tetrachloroethane

Concen: 50.604 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

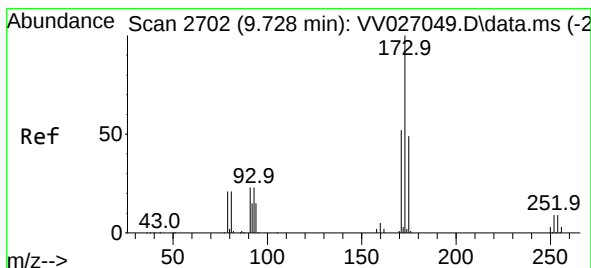
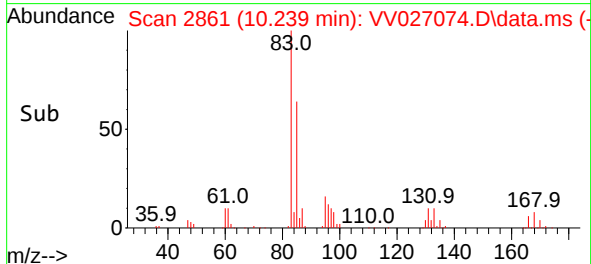
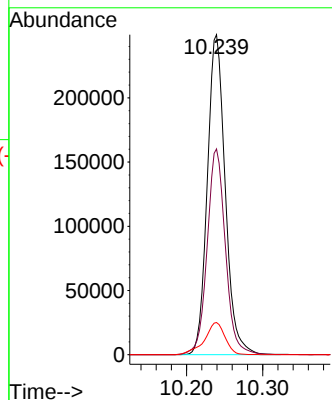
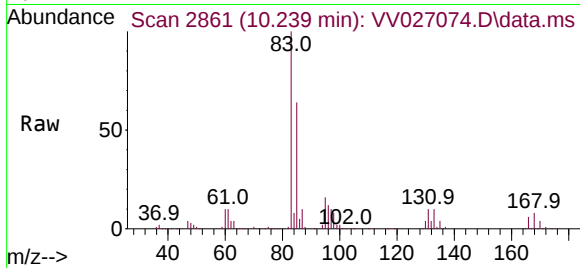
Tgt Ion: 83 Resp: 407972

Ion Ratio Lower Upper

83 100

85 64.3 45.2 84.0

131 10.0 8.1 12.1



#59

Bromoform

Concen: 47.138 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

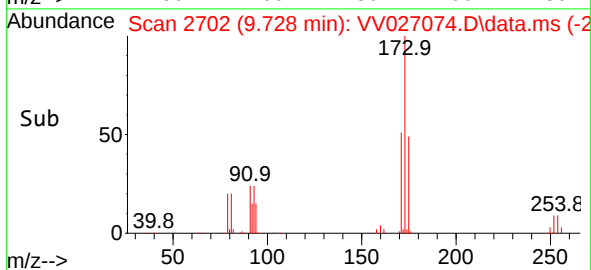
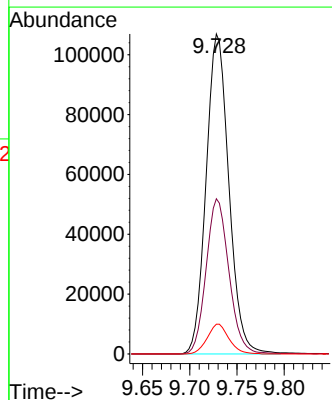
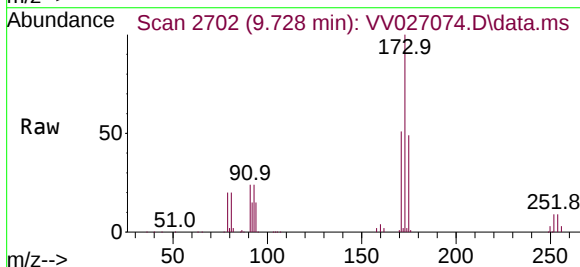
Tgt Ion: 173 Resp: 179006

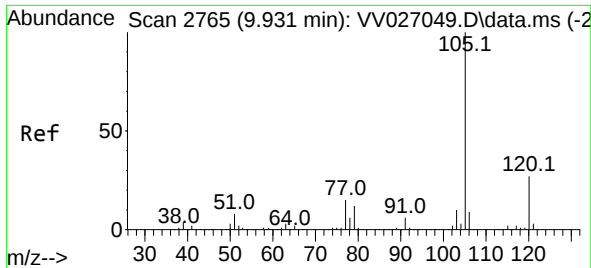
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 8.9 6.9 10.3

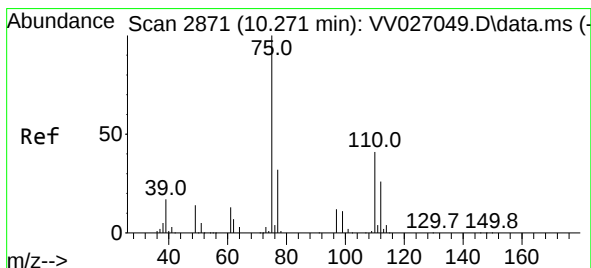
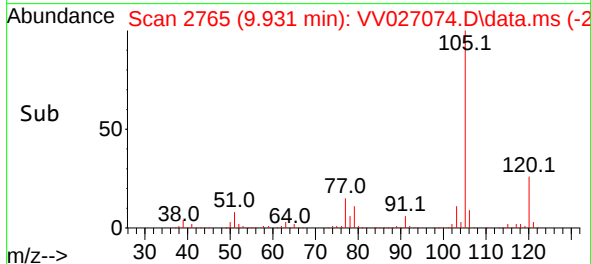
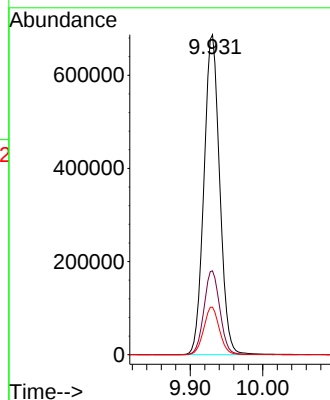
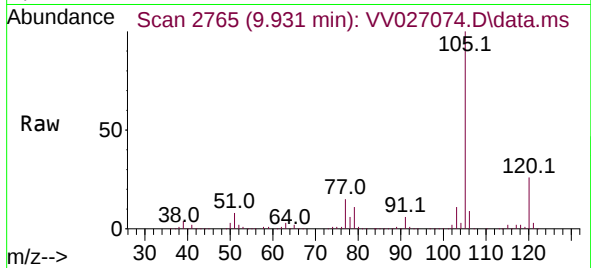




#60
Isopropylbenzene
Concen: 49.710 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

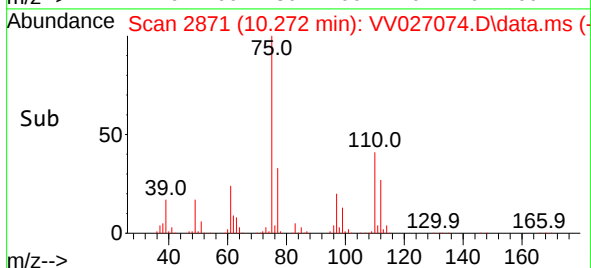
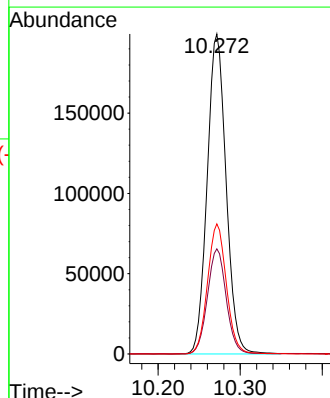
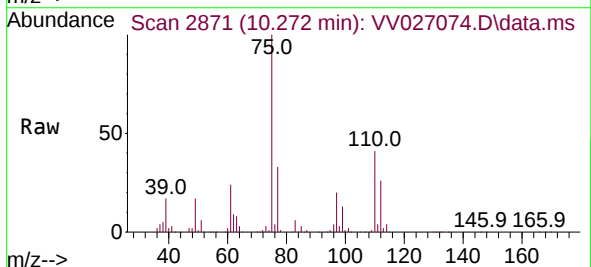
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

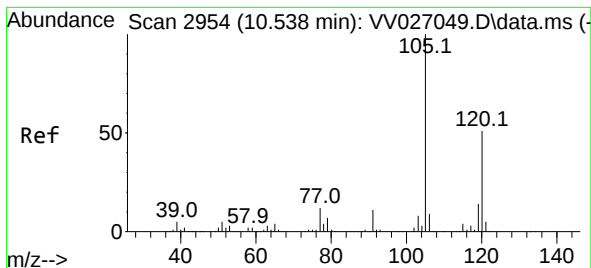
Tgt Ion:105 Resp: 1037042
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 14.7 11.8 17.6



#61
1,2,3-Trichloropropane
Concen: 45.515 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion: 75 Resp: 319114
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 40.5 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 47.248 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

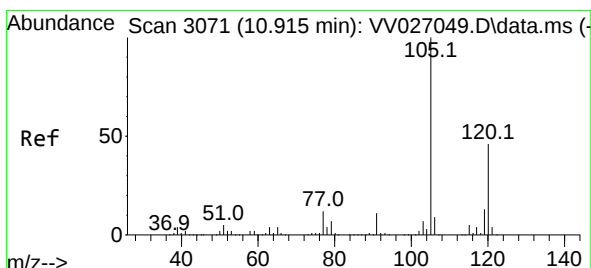
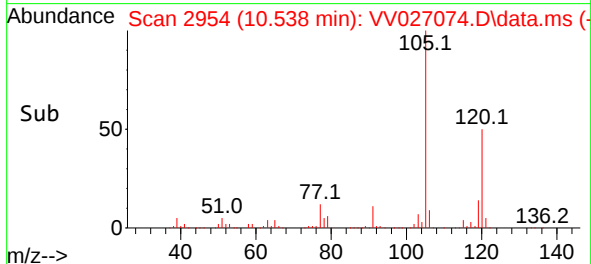
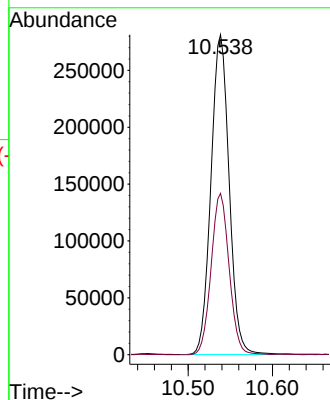
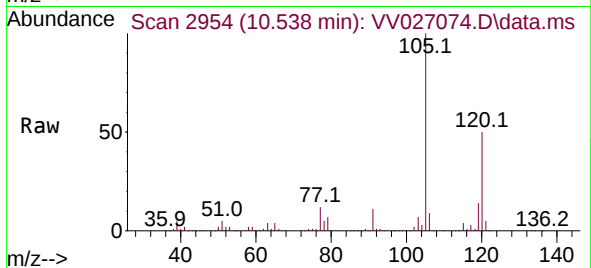
VSTD050318

Tgt Ion:105 Resp: 421885

Ion Ratio Lower Upper

105 100

120 49.9 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 48.053 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV027074.D

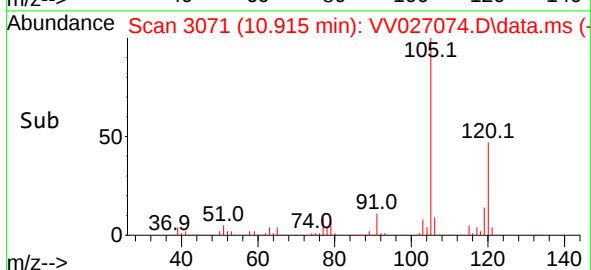
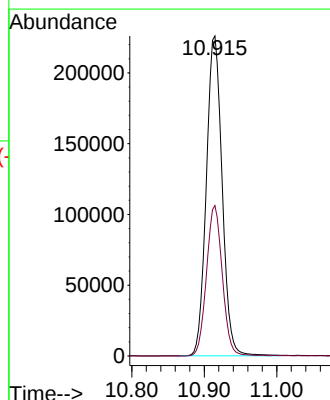
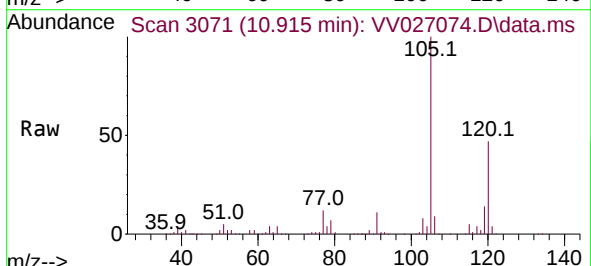
Acq: 29 Jul 2022 10:37

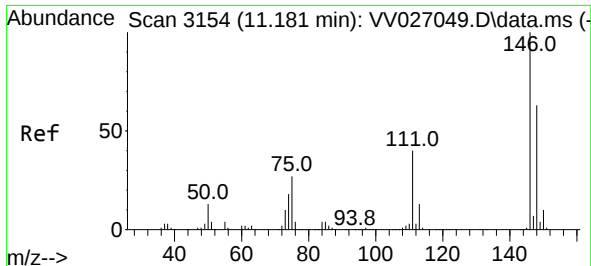
Tgt Ion:105 Resp: 342409

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.6

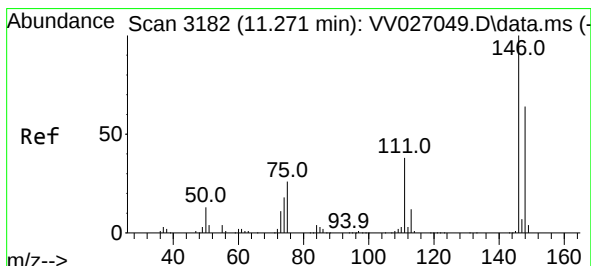
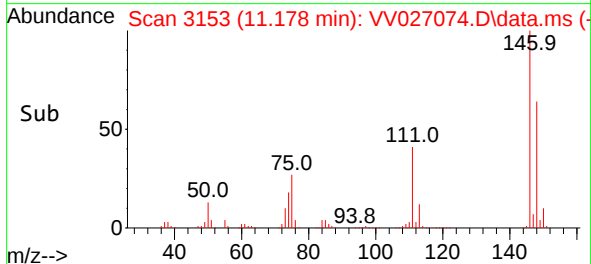
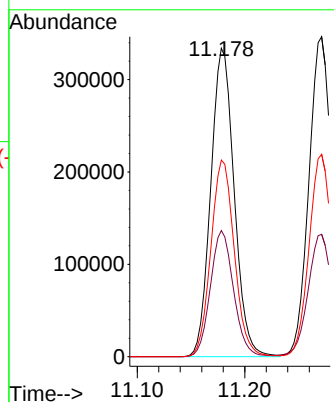
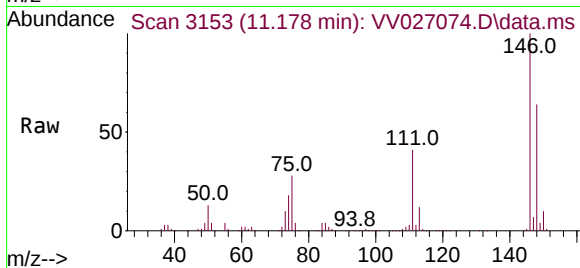




#64
1,3-Dichlorobenzene
Concen: 49.959 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.003 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

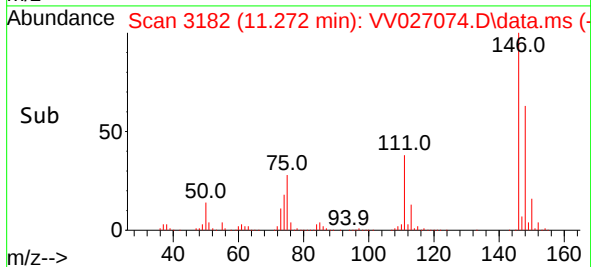
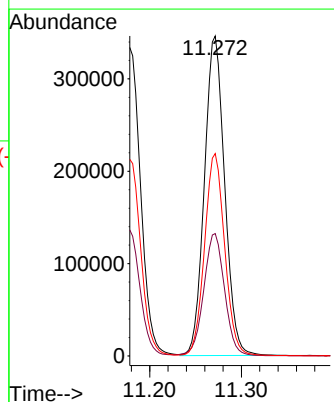
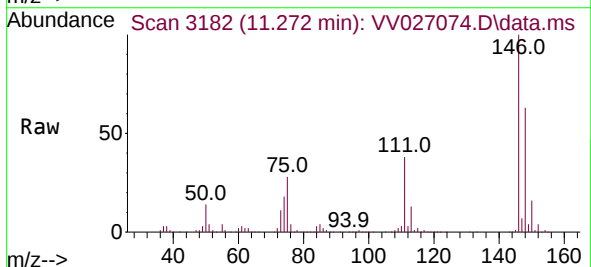
Instrument :
MSVOA_V
ClientSampleId :
VSTD050318

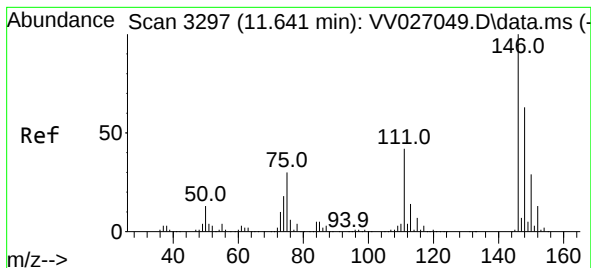
Tgt Ion:146 Resp: 505956
Ion Ratio Lower Upper
146 100
111 40.9 28.4 52.8
148 63.8 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 49.751 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027074.D
Acq: 29 Jul 2022 10:37

Tgt Ion:146 Resp: 530944
Ion Ratio Lower Upper
146 100
111 38.3 27.4 51.0
148 63.2 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 49.801 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

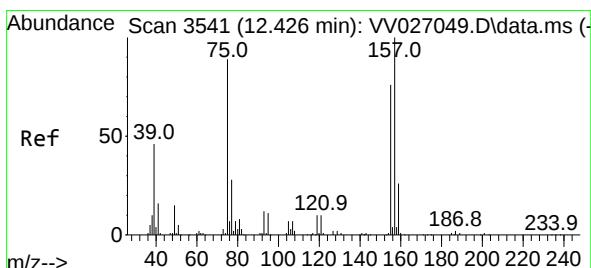
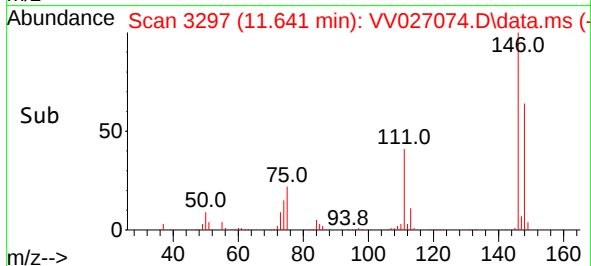
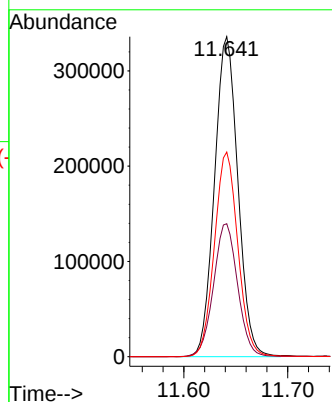
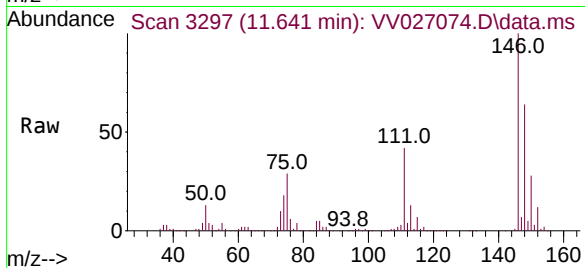
Tgt Ion:146 Resp: 526717

Ion Ratio Lower Upper

146 100

111 41.6 34.0 51.0

148 63.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 43.226 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

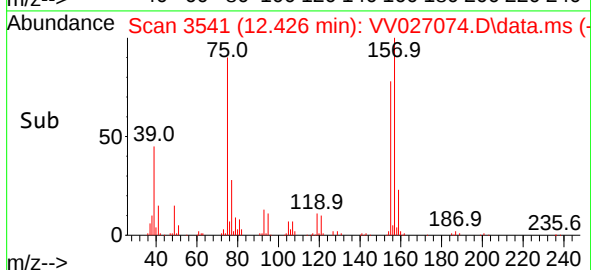
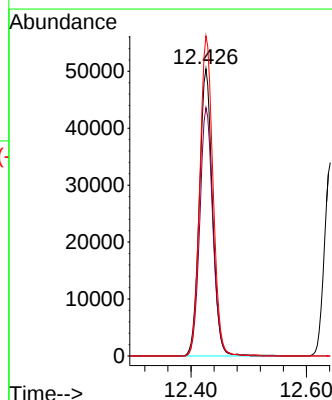
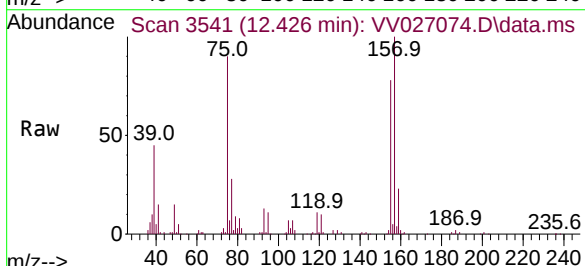
Tgt Ion: 75 Resp: 79458

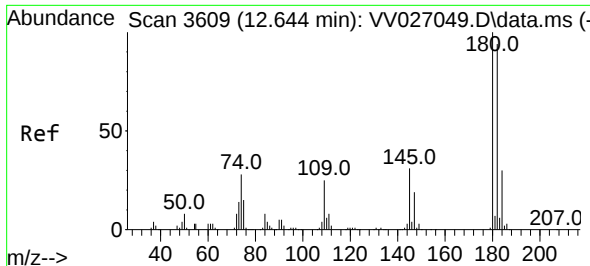
Ion Ratio Lower Upper

75 100

155 86.5 69.1 103.7

157 111.4 87.8 131.8

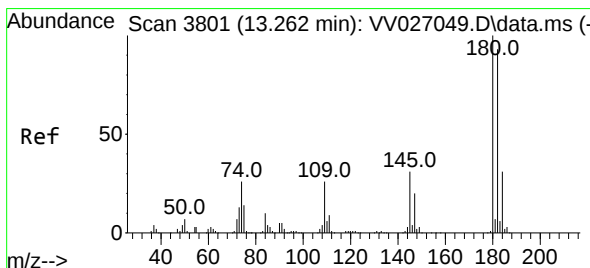
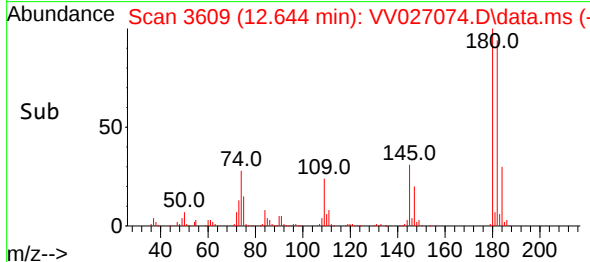
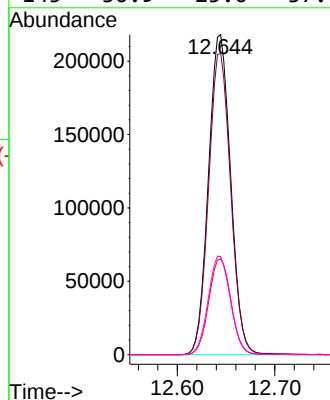
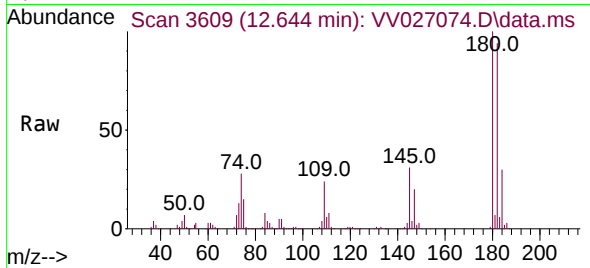




#69
 1,3,5-Trichlorobenzene
 Concen: 50.097 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

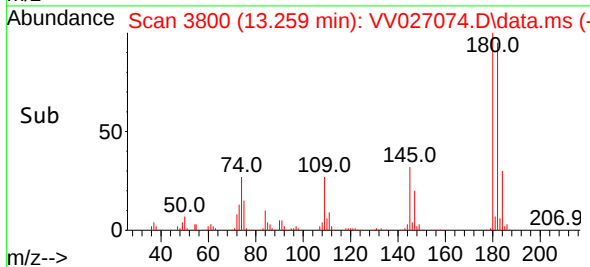
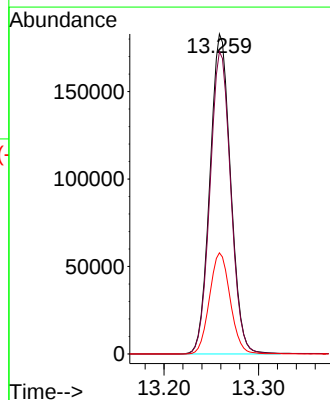
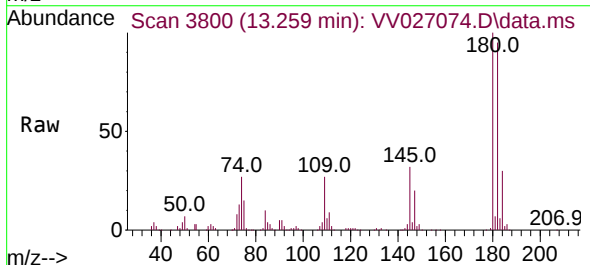
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050318

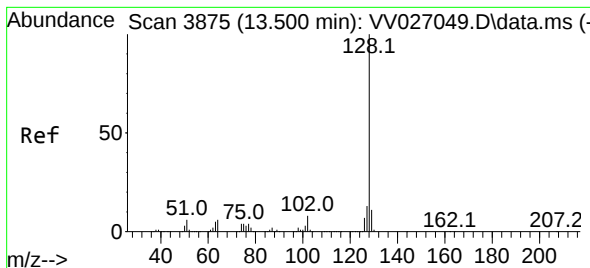
Tgt Ion:180	Resp:	344117
Ion Ratio	Lower	Upper
180	100	
182	93.8	76.2 114.4
184	30.1	24.8 37.2
145	30.9	25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 47.377 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. -0.003 min
 Lab File: VV027074.D
 Acq: 29 Jul 2022 10:37

Tgt Ion:180	Resp:	278541
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.9 113.9
145	31.5	24.7 37.1





#71

Naphthalene

Concen: 41.019 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD050318

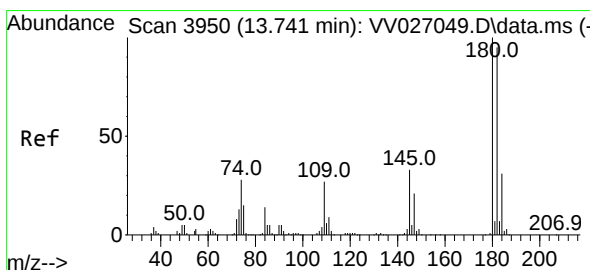
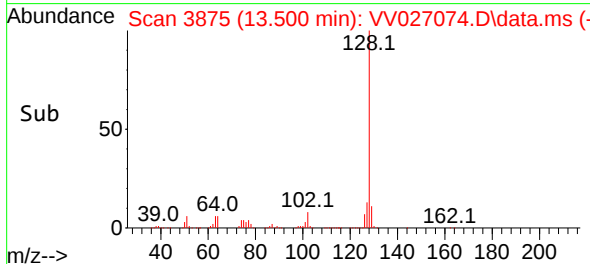
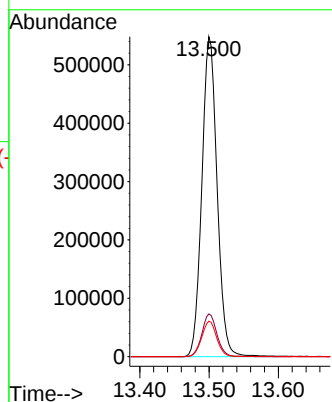
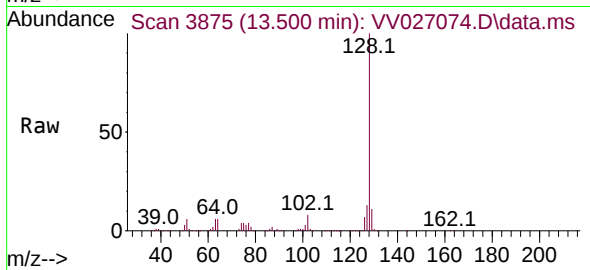
Tgt Ion:128 Resp: 839126

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.159 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027074.D

Acq: 29 Jul 2022 10:37

Tgt Ion:180 Resp: 313477

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 33.1 27.4 41.0

