

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092022\
 Data File : VW027963.D
 Acq On : 20 Sep 2022 15:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050342

Quant Time: Sep 21 01:48:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 01:43:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	381740	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	366221	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	199001	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	156480	46.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.380%
7) Chloroethane-d5	1.552	69	122467	45.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.500%
11) 1,1-Dichloroethene-d2	2.098	63	275416	46.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	3.867	46	216581	108.682	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.680%
24) Chloroform-d	4.339	84	267690	47.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.160%
26) 1,2-Dichloroethane-d4	5.021	65	177256	48.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.220%
32) Benzene-d6	5.040	84	540093	51.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.340%
36) 1,2-Dichloropropane-d6	6.063	67	171002	52.463	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.920%
41) Toluene-d8	7.310	98	488017	50.487	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.980%
43) trans-1,3-Dichloroprop...	7.616	79	84608	51.908	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.820%
47) 2-Hexanone-d5	8.085	63	184584	115.597	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.600%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	237923	49.592	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.180%
66) 1,2-Dichlorobenzene-d4	11.622	152	189471	49.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	131316	45.487	ug/L	99
3) Chloromethane	1.237	50	159345	47.254	ug/L	97
5) Vinyl chloride	1.304	62	160564	46.830	ug/L	100
6) Bromomethane	1.500	94	105404	47.091	ug/L	98
8) Chloroethane	1.568	64	101167	46.591	ug/L	97
9) Trichlorofluoromethane	1.741	101	228399	45.221	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	126008	45.477	ug/L	99
12) 1,1-Dichloroethene	2.108	96	126221	45.572	ug/L	89
13) Acetone	2.153	43	163959	92.321	ug/L	98
14) Carbon disulfide	2.282	76	342985	46.798	ug/L	99
15) Methyl Acetate	2.420	43	156294	50.947	ug/L	99
16) Methylene chloride	2.497	84	145881	44.922	ug/L	98
17) trans-1,2-Dichloroethene	2.748	96	122037	46.296	ug/L	96
18) Methyl tert-butyl Ether	2.761	73	415620	50.227	ug/L	99
19) 1,1-Dichloroethane	3.179	63	235469	46.240	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	139854	47.569	ug/L	95
22) 2-Butanone	3.950	43	224796	106.330	ug/L	100
23) Bromochloromethane	4.236	128	74769	47.123	ug/L	96
25) Chloroform	4.365	83	252725	46.486	ug/L	99

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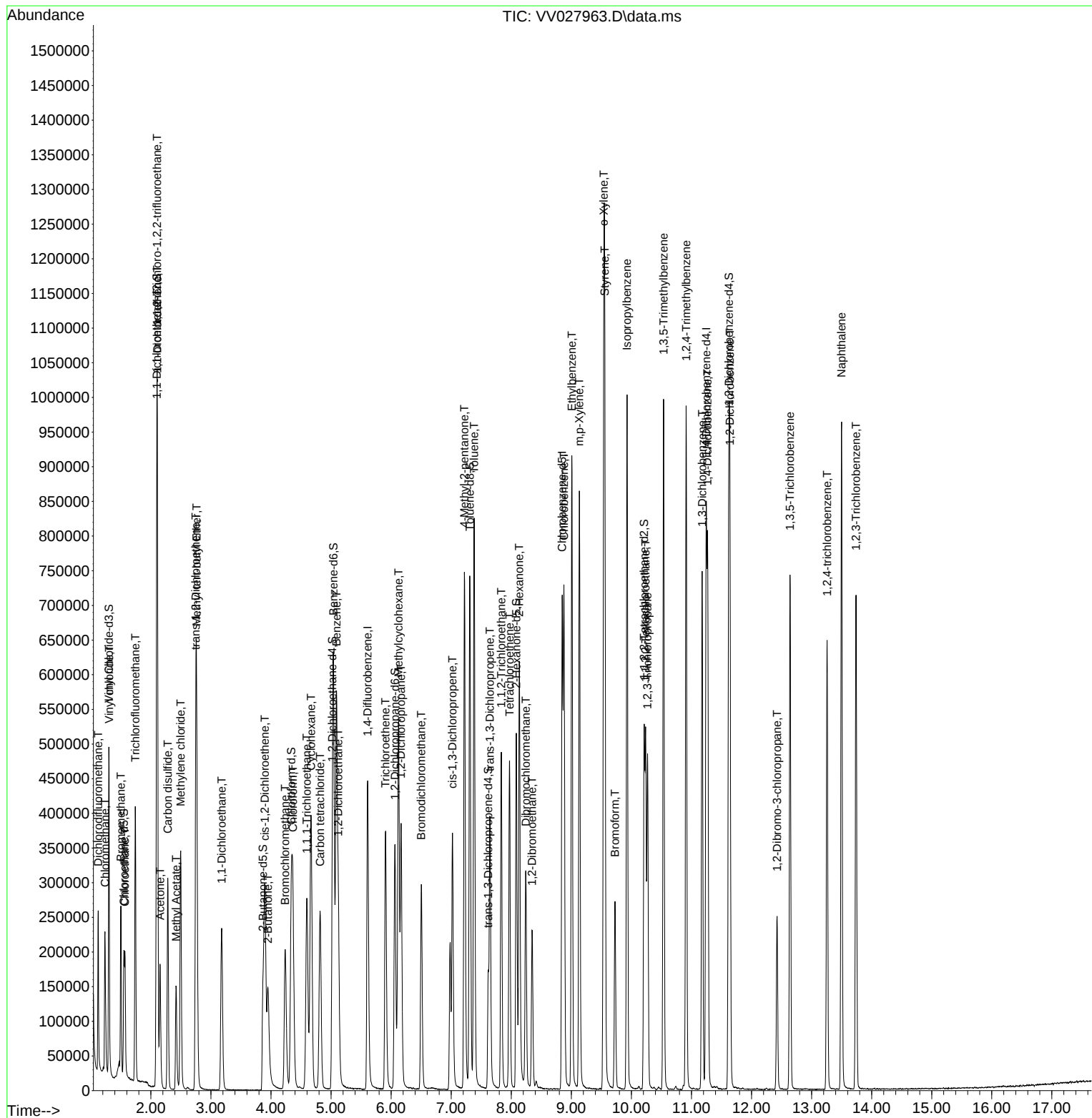
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	212573	50.416	ug/L	99
29) Cyclohexane	4.667	56	219273	54.848	ug/L	98
30) 1,1,1-Trichloroethane	4.597	97	226685	50.282	ug/L	100
31) Carbon tetrachloride	4.818	117	196518	49.085	ug/L	99
33) Benzene	5.092	78	567601	51.950	ug/L	100
34) Trichloroethene	5.905	95	133676	49.372	ug/L	97
35) Methylcyclohexane	6.124	83	218259	49.946	ug/L	99
37) 1,2-Dichloropropane	6.166	63	153422	53.529	ug/L	99
38) Bromodichloromethane	6.503	83	197481	49.345	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	221058	50.933	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	489539	119.757	ug/L	98
42) Toluene	7.381	91	598516	51.694	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	226771	52.375	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	146843	50.786	ug/L	98
46) Tetrachloroethene	7.973	164	106249	47.167	ug/L	98
48) 2-Hexanone	8.133	43	382879	115.450	ug/L	99
49) Dibromochloromethane	8.243	129	158298	49.594	ug/L	98
50) 1,2-Dibromoethane	8.346	107	151317	51.031	ug/L	100
51) Chlorobenzene	8.876	112	373347	48.303	ug/L	99
52) Ethylbenzene	9.008	91	625117	50.012	ug/L	100
53) m,p-Xylene	9.133	106	239633	50.002	ug/L	97
54) o-Xylene	9.542	106	236800	51.210	ug/L	98
55) Styrene	9.558	104	427460	52.095	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	242464	49.996	ug/L	99
59) Bromoform	9.728	173	119760	52.005	ug/L	98
60) Isopropylbenzene	9.928	105	621378	52.796	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	193439	51.784	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	514489	51.119	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	517084	51.517	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	292441	48.751	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	300476	48.891	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	306633	50.305	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	62057	54.062	ug/L	99
69) 1,3,5-Trichlorobenzene	12.641	180	224162	47.654	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	198382	47.061	ug/L	99
71) Naphthalene	13.500	128	732033	54.091	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	212430	48.792	ug/L	100

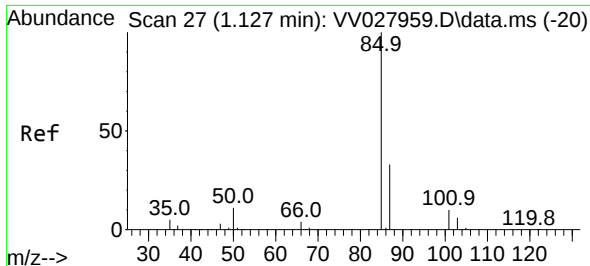
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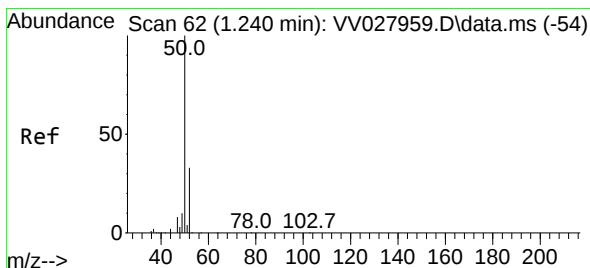
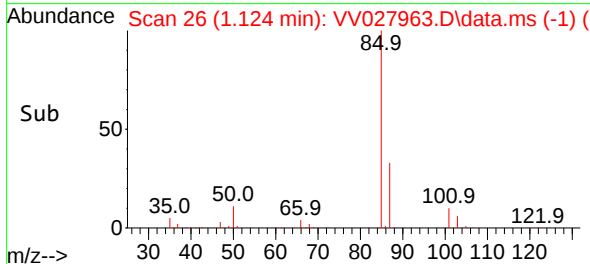
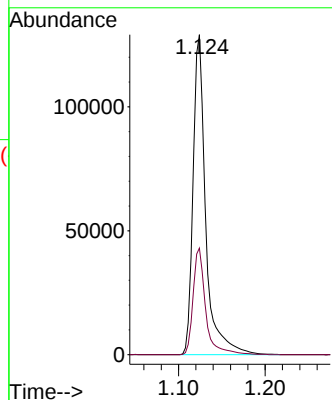
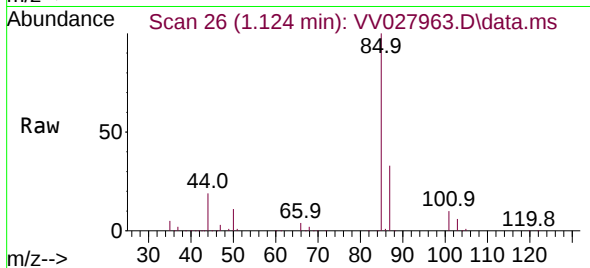




#2
 Dichlorodifluoromethane
 Concen: 45.487 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

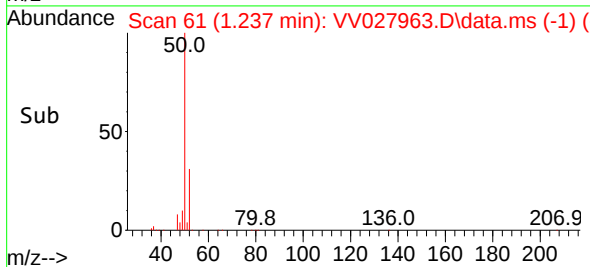
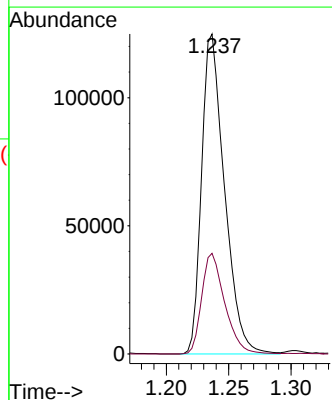
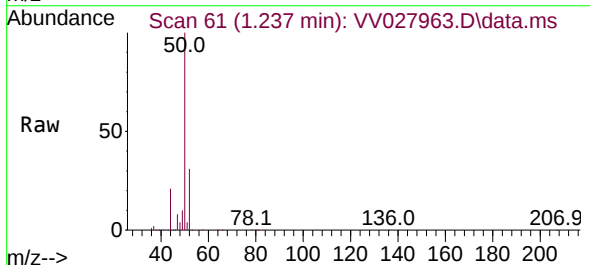
Instrument :
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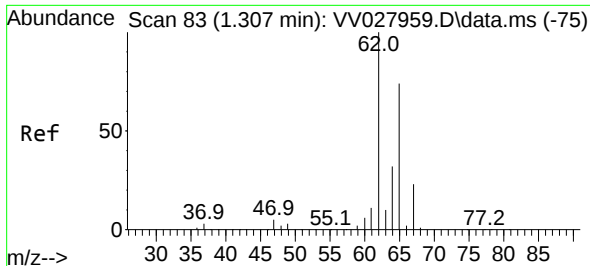
Tgt Ion: 85 Resp: 131316
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.8 38.8



#3
 Chloromethane
 Concen: 47.254 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

Tgt Ion: 50 Resp: 159345
 Ion Ratio Lower Upper
 50 100
 52 31.5 23.2 43.0

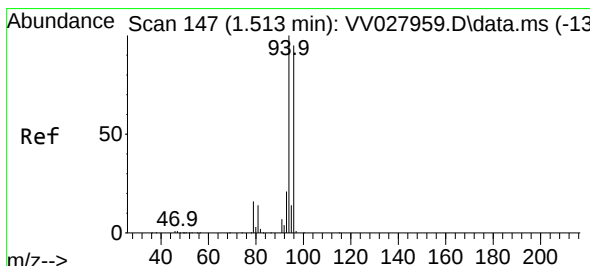
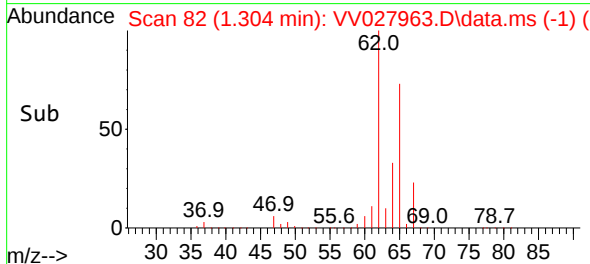
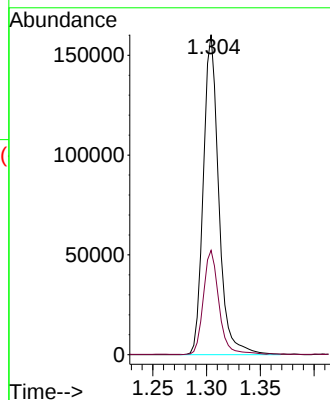
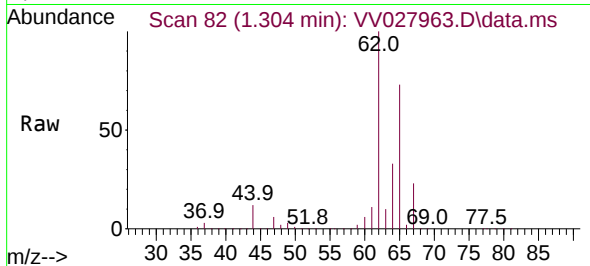




#5
 Vinyl chloride
 Concen: 46.830 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

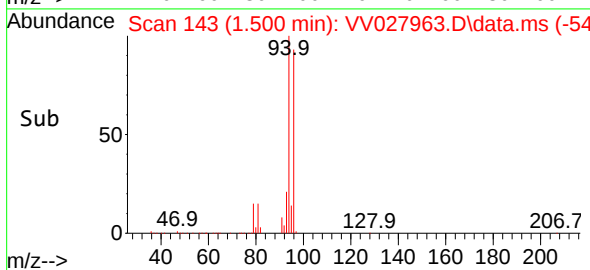
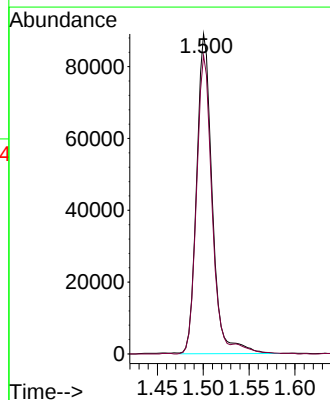
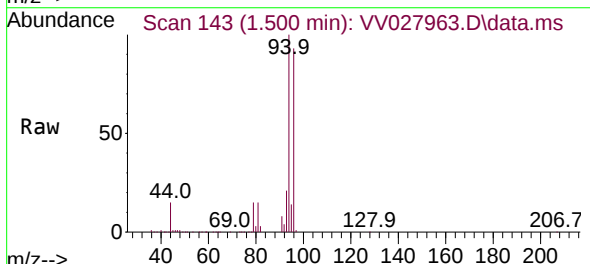
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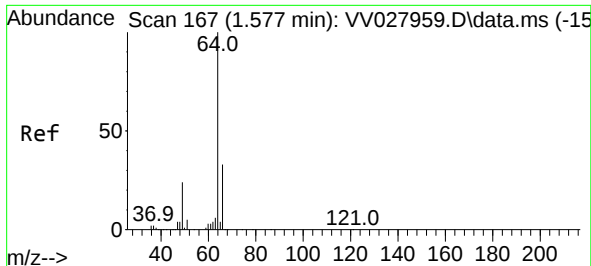
Tgt Ion: 62 Resp: 160564
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.3



#6
 Bromomethane
 Concen: 47.091 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.013 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

Tgt Ion: 94 Resp: 105404
 Ion Ratio Lower Upper
 94 100
 96 93.3 66.4 123.2

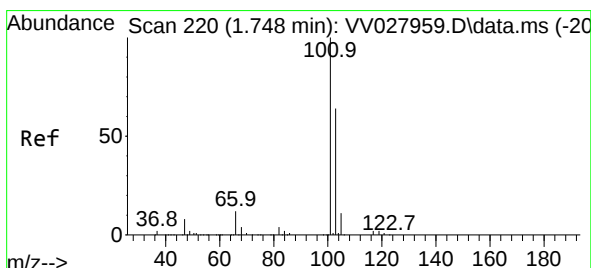
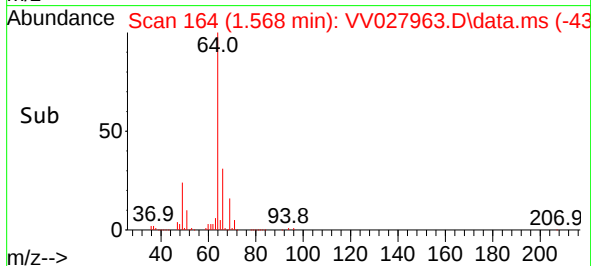
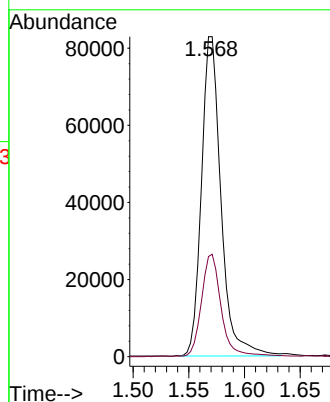
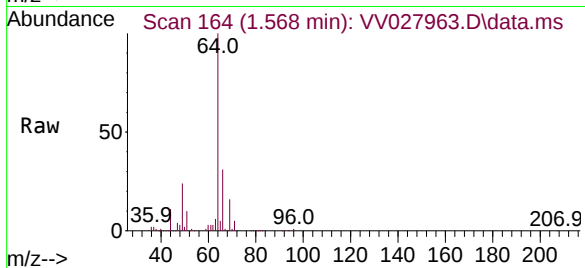




#8
Chloroethane
Concen: 46.591 ug/L
RT: 1.568 min Scan# 1
Delta R.T. -0.010 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

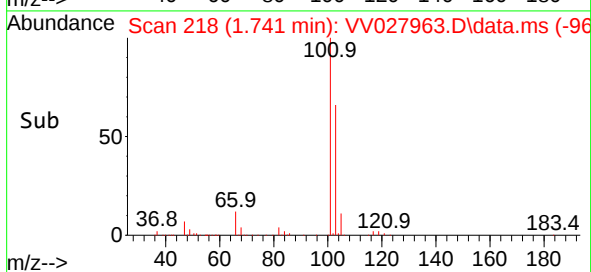
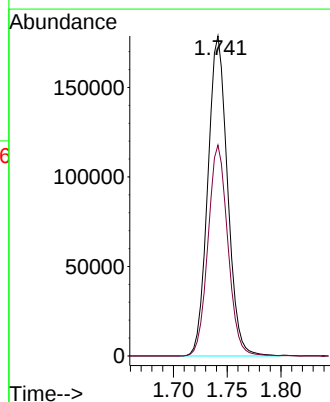
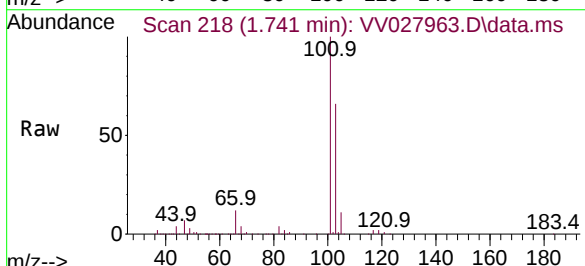
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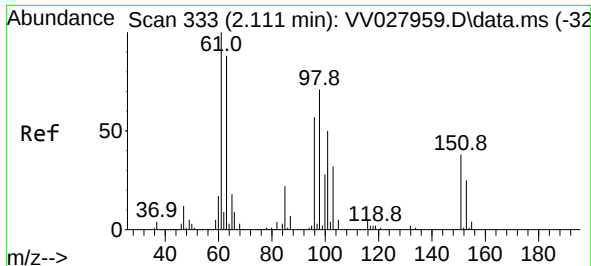
Tgt Ion: 64 Resp: 101167
Ion Ratio Lower Upper
64 100
66 31.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 45.221 ug/L
RT: 1.741 min Scan# 218
Delta R.T. -0.006 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion:101 Resp: 228399
Ion Ratio Lower Upper
101 100
103 66.1 51.3 76.9

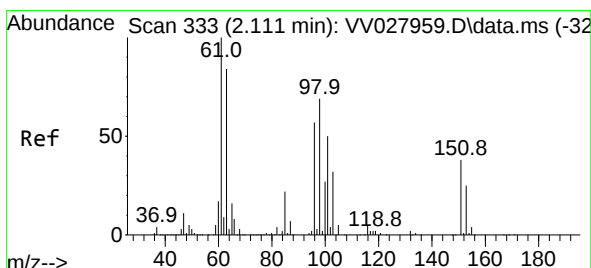
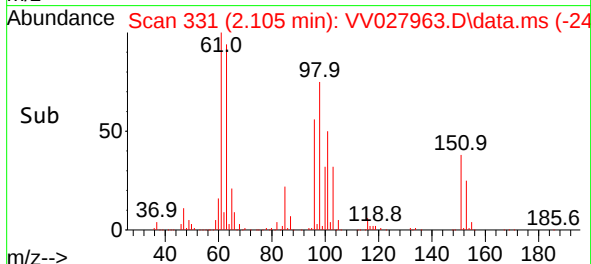
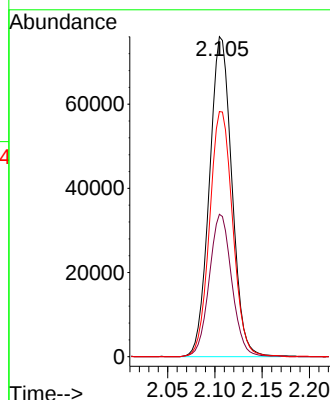
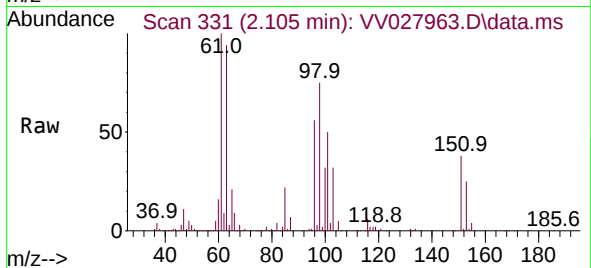




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.477 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.006 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

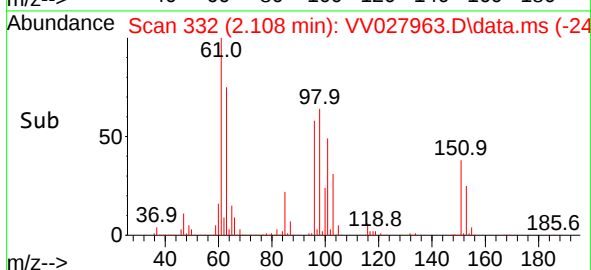
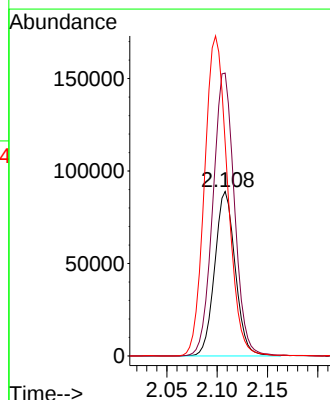
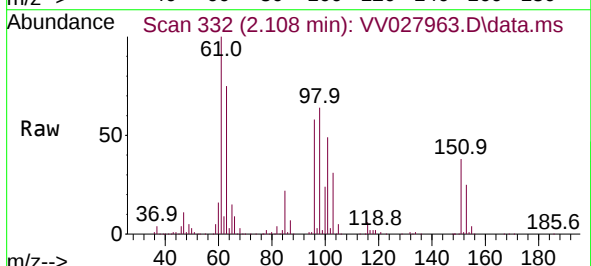
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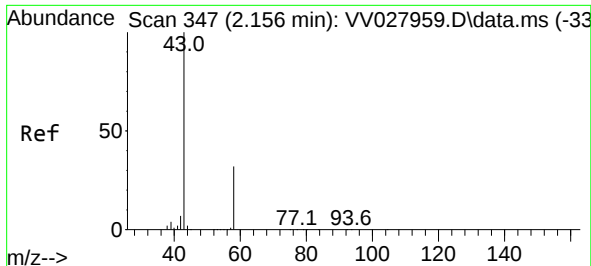
Tgt Ion:101 Resp: 126008
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.6 53.4
 151 78.5 62.2 93.4



#12
 1,1-Dichloroethene
 Concen: 45.572 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.003 min
 Lab File: VV027963.D
 Acq: 20 Sep 2022 15:02

Tgt Ion: 96 Resp: 126221
 Ion Ratio Lower Upper
 96 100
 61 172.0 123.7 229.7
 63 129.7 108.6 201.6





#13

Acetone

Concen: 92.321 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

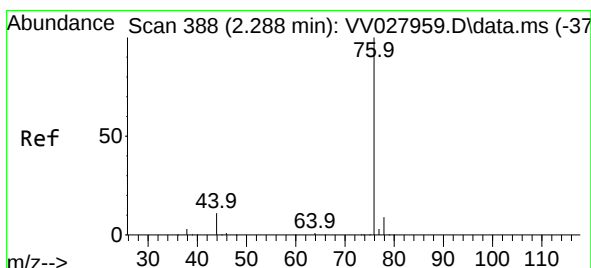
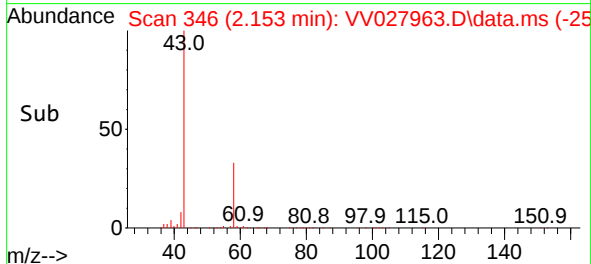
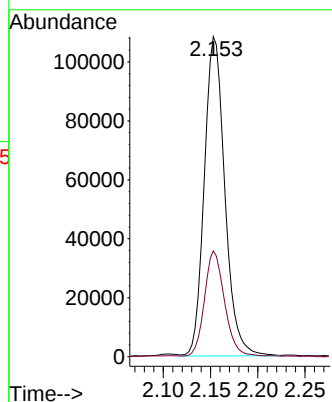
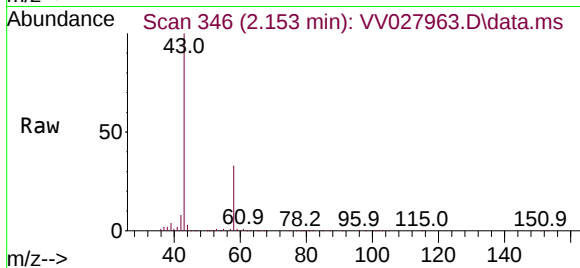
VSTD050342

Tgt Ion: 43 Resp: 163959

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.2



#14

Carbon disulfide

Concen: 46.798 ug/L

RT: 2.282 min Scan# 386

Delta R.T. -0.006 min

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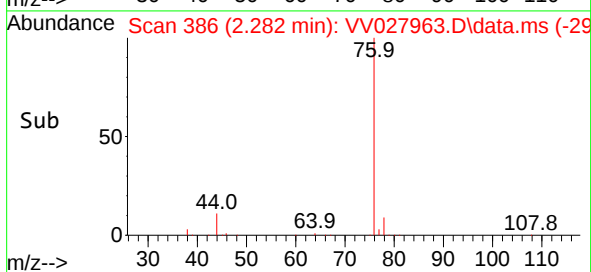
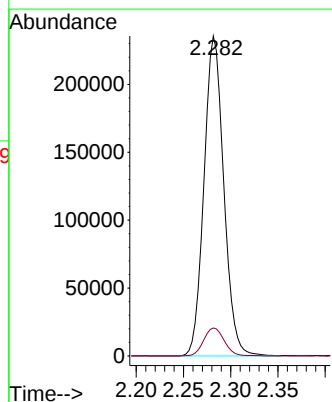
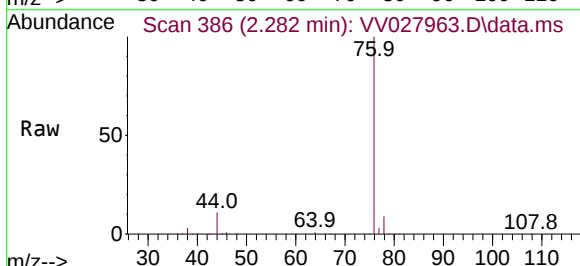
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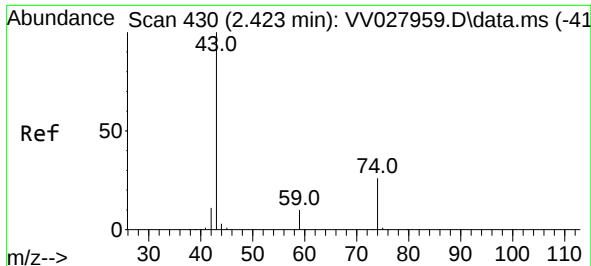
Tgt Ion: 76 Resp: 342985

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

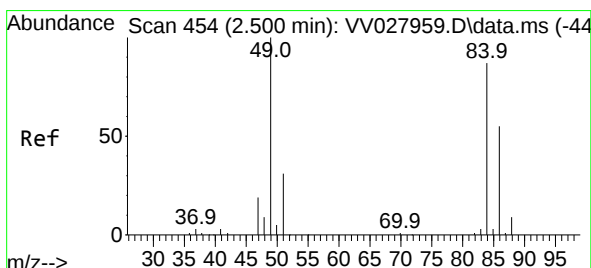
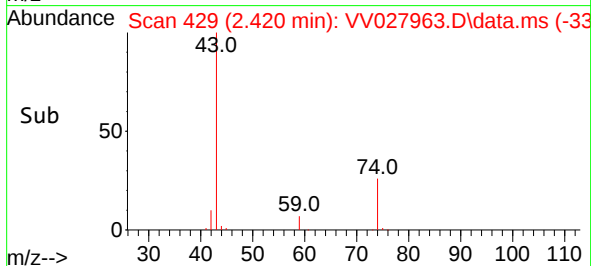
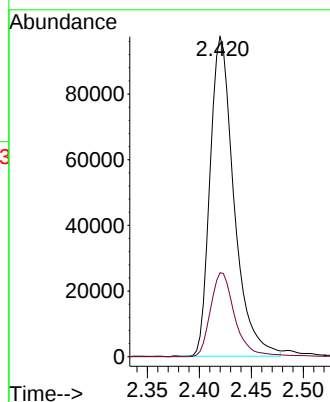
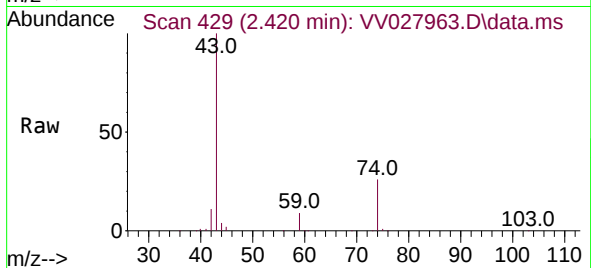




#15
Methyl Acetate
Concen: 50.947 ug/L
RT: 2.420 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

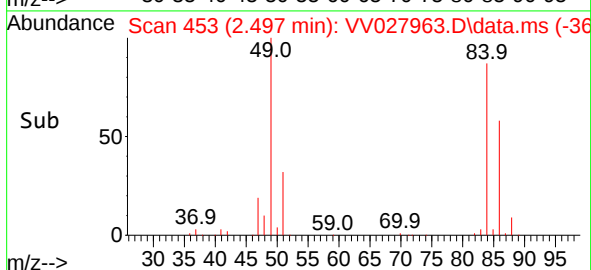
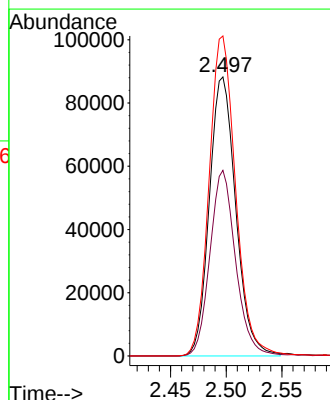
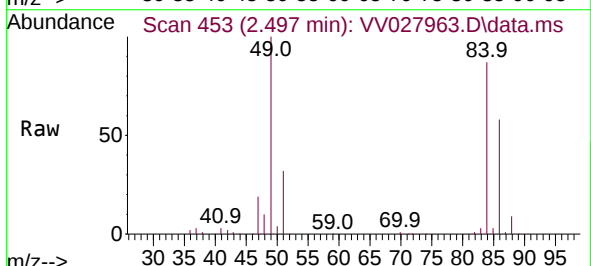
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

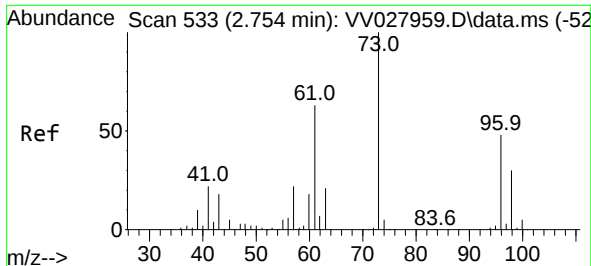
Tgt Ion: 43 Resp: 156294
Ion Ratio Lower Upper
43 100
74 26.7 20.9 31.3



#16
Methylene chloride
Concen: 44.922 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 84 Resp: 145881
Ion Ratio Lower Upper
84 100
86 66.5 44.2 82.2
49 114.7 80.8 150.0

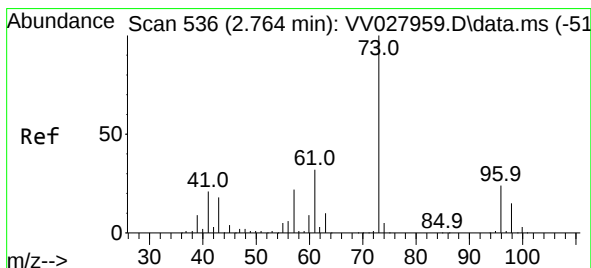
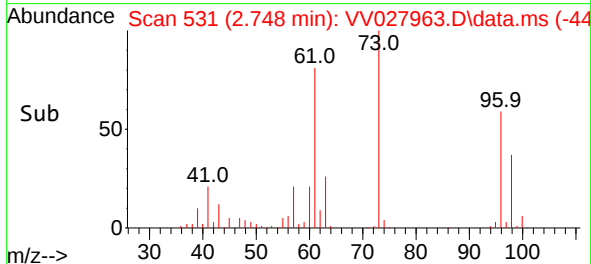
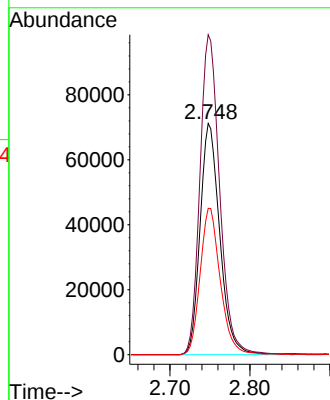
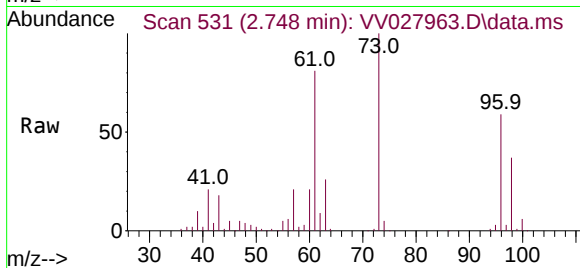




#17
trans-1,2-Dichloroethene
Concen: 46.296 ug/L
RT: 2.748 min Scan# 511
Delta R.T. -0.006 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

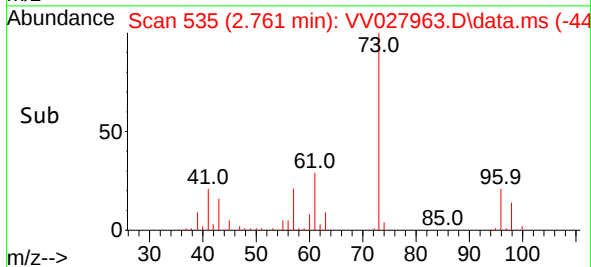
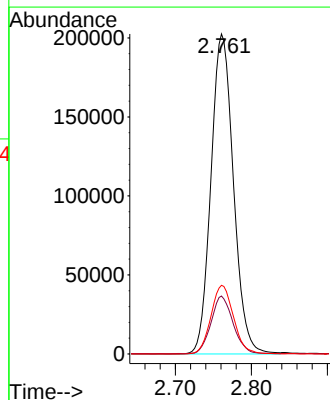
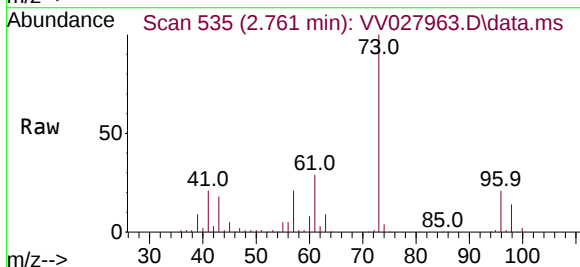
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

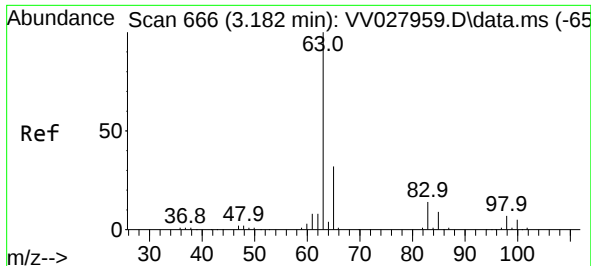
Tgt Ion: 96 Resp: 122037
Ion Ratio Lower Upper
96 100
61 138.4 92.3 171.5
98 63.3 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 50.227 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 73 Resp: 415620
Ion Ratio Lower Upper
73 100
43 17.6 14.5 21.7
57 21.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 46.240 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

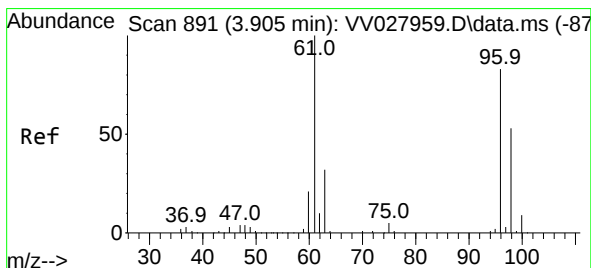
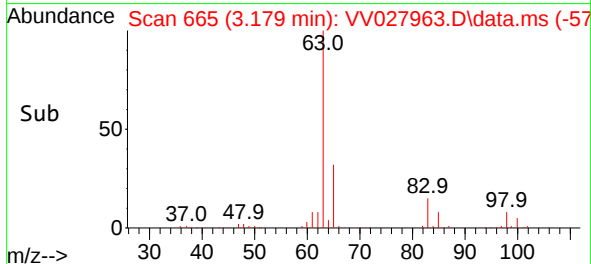
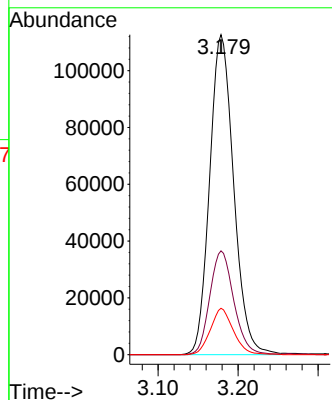
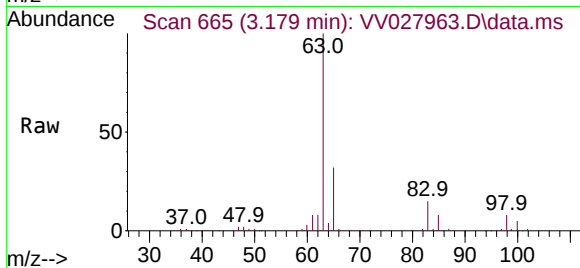
Tgt Ion: 63 Resp: 235469

Ion Ratio Lower Upper

63 100

65 32.5 22.5 41.7

83 14.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 47.569 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.006 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

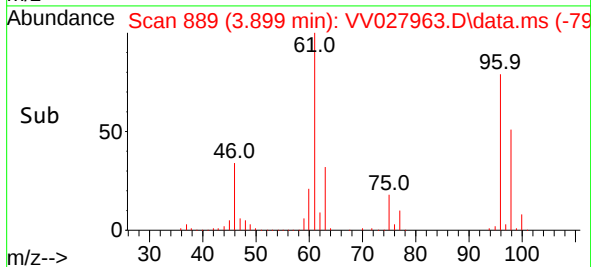
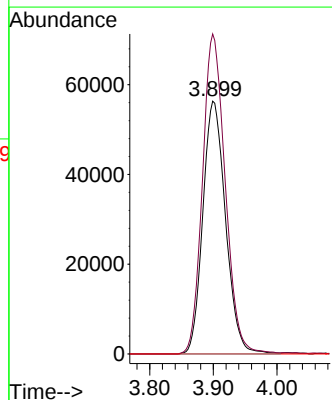
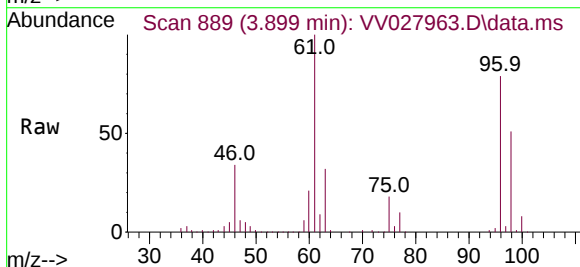
Tgt Ion: 96 Resp: 139854

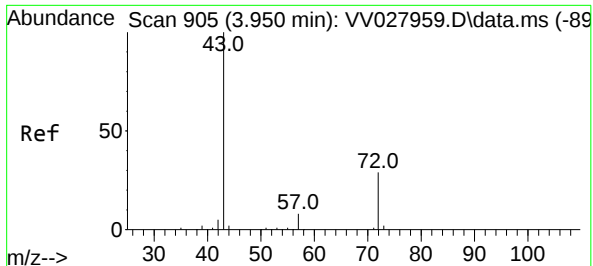
Ion Ratio Lower Upper

96 100

61 126.6 84.4 156.8

68 0.0 0.0 0.0

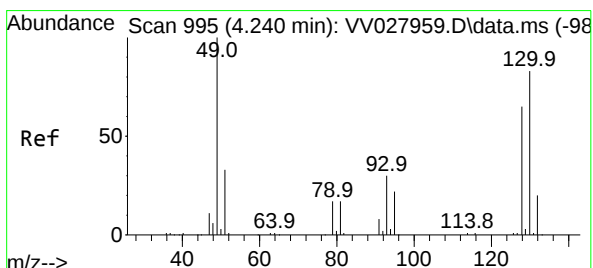
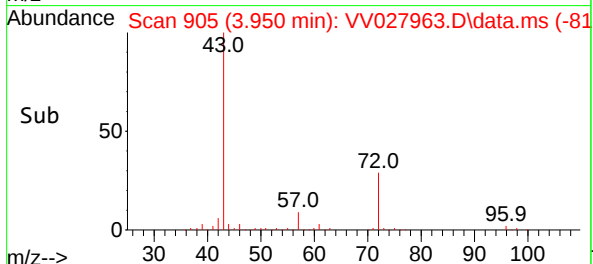
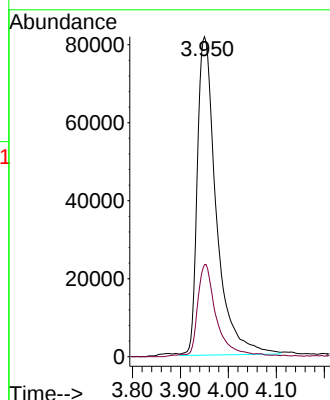
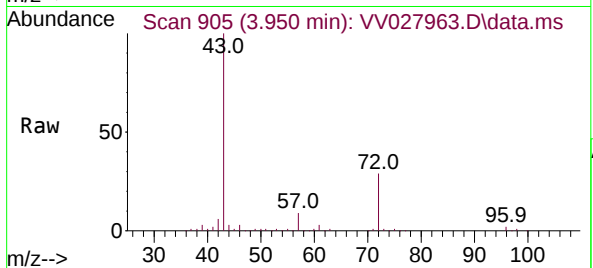




#22
2-Butanone
Concen: 106.330 ug/L
RT: 3.950 min Scan# 905
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

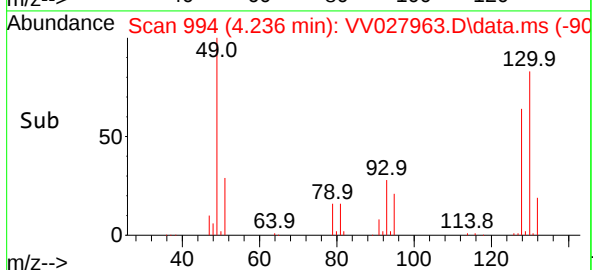
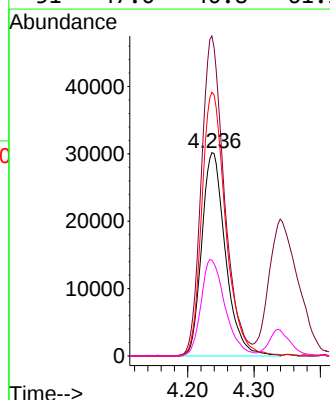
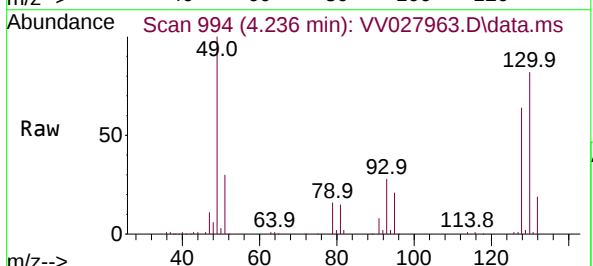
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

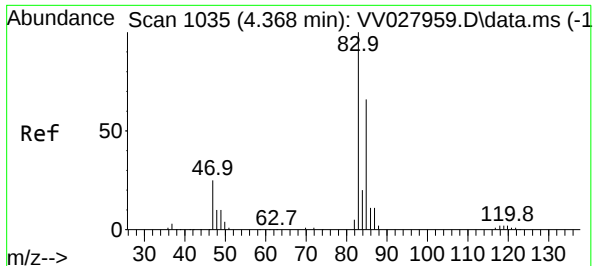
Tgt Ion: 43 Resp: 224796
Ion Ratio Lower Upper
43 100
72 26.7 13.5 40.4



#23
Bromochloromethane
Concen: 47.123 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 128 Resp: 74769
Ion Ratio Lower Upper
128 100
49 157.4 107.0 198.6
130 129.7 88.3 164.1
51 47.0 40.8 61.2





#25

Chloroform

Concen: 46.486 ug/L

RT: 4.365 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

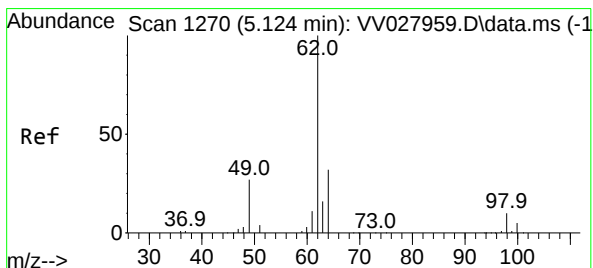
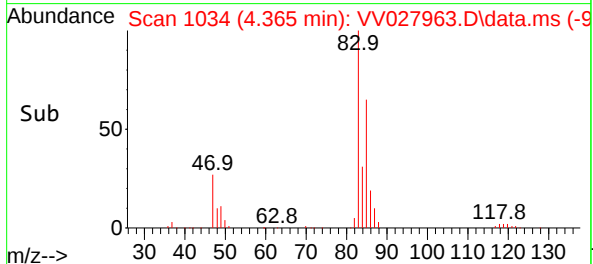
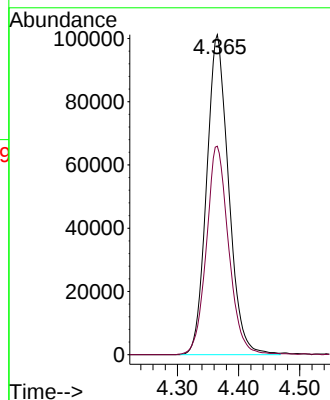
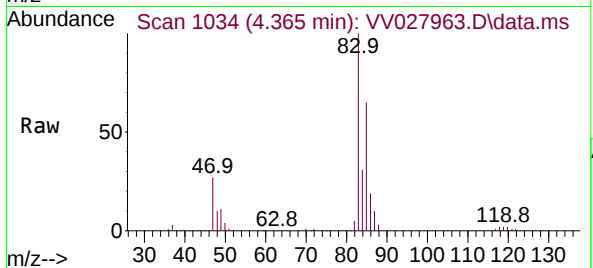
VSTD050342

Tgt Ion: 83 Resp: 252725

Ion Ratio Lower Upper

83 100

85 65.2 46.3 85.9



#27

1,2-Dichloroethane

Concen: 50.416 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV027963.D

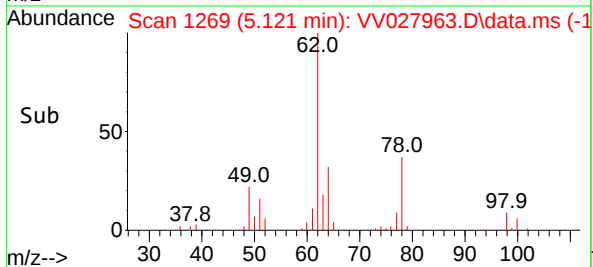
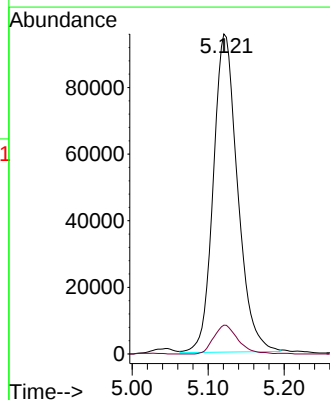
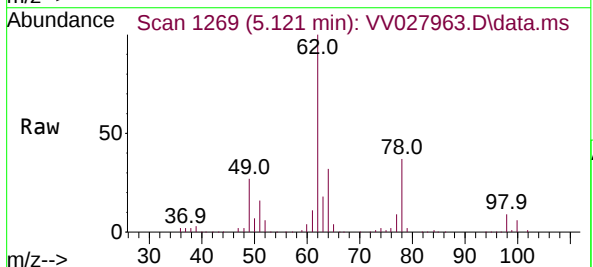
Acq: 20 Sep 2022 15:02

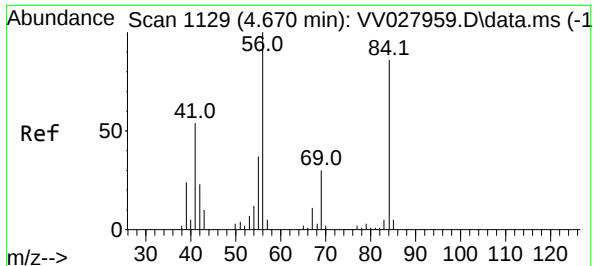
Tgt Ion: 62 Resp: 212573

Ion Ratio Lower Upper

62 100

98 9.0 7.6 11.4





#29

Cyclohexane

Concen: 54.848 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

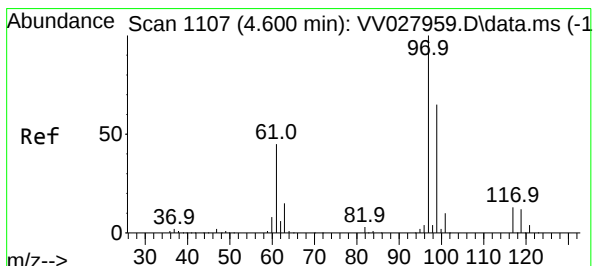
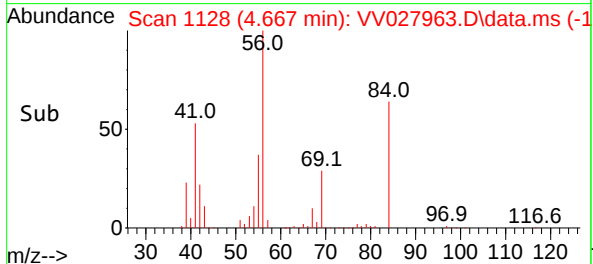
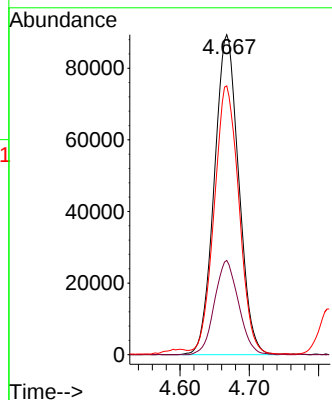
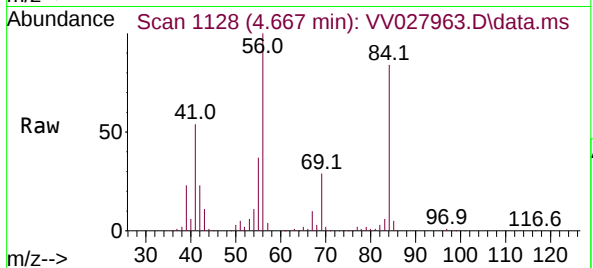
Tgt Ion: 56 Resp: 219273

Ion Ratio Lower Upper

56 100

69 29.0 24.6 36.8

84 84.6 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 50.282 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

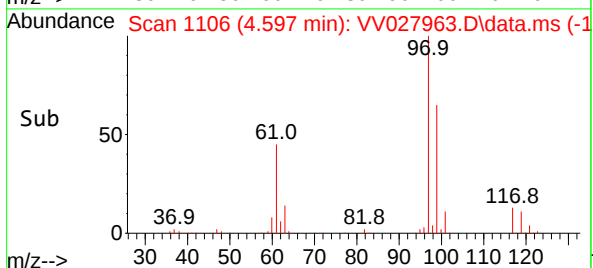
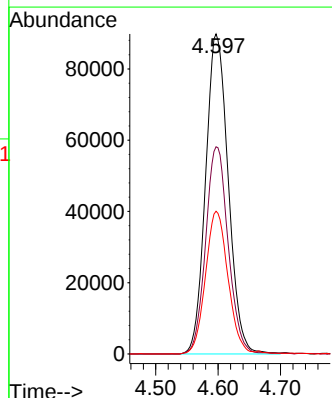
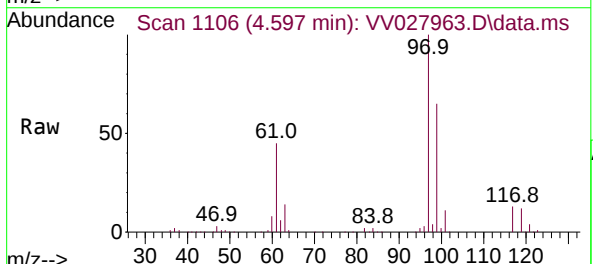
Tgt Ion: 97 Resp: 226685

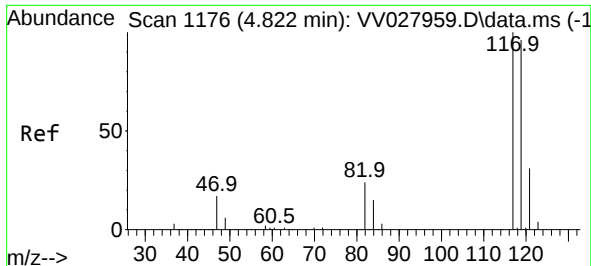
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 44.4 35.2 52.8

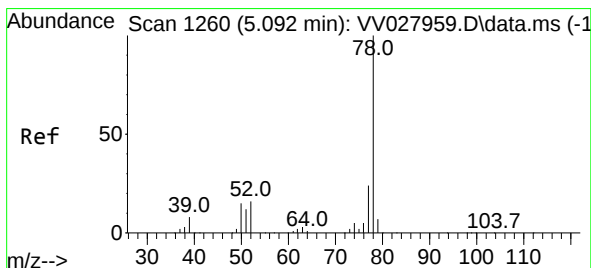
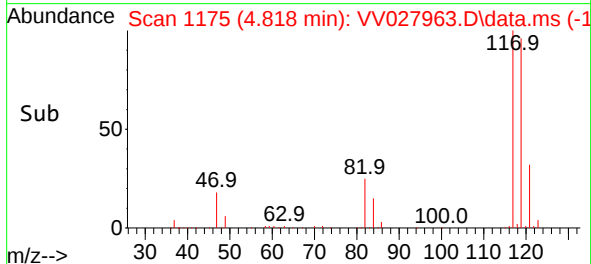
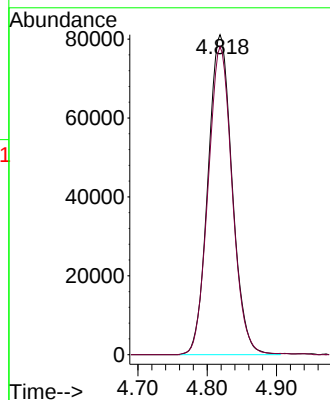
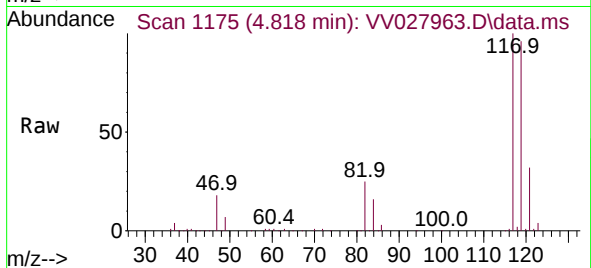




#31
Carbon tetrachloride
Concen: 49.085 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

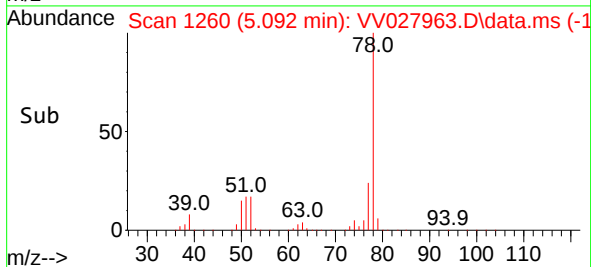
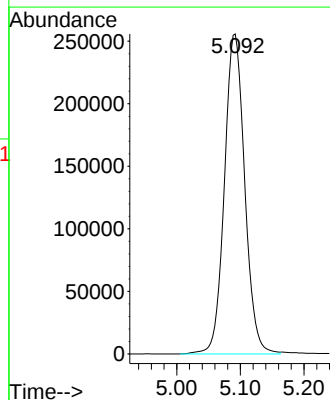
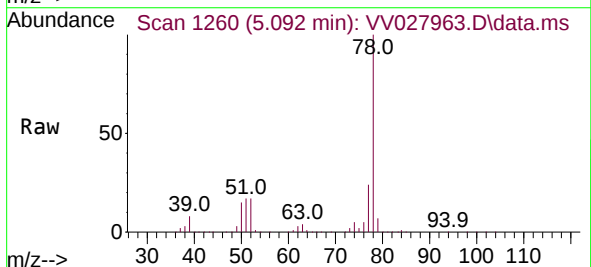
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

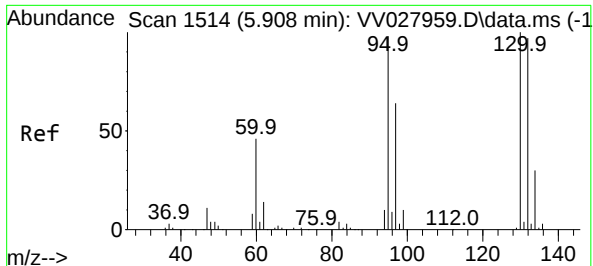
Tgt Ion:117 Resp: 196518
Ion Ratio Lower Upper
117 100
119 95.9 75.6 113.4



#33
Benzene
Concen: 51.950 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 78 Resp: 567601

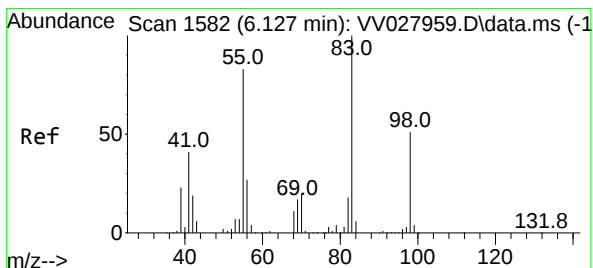
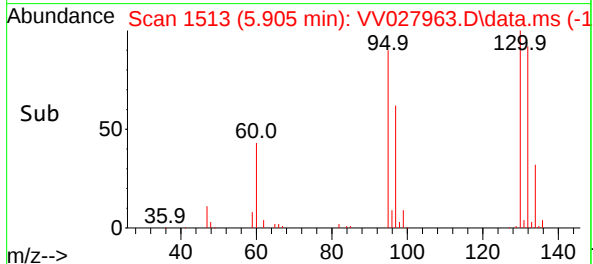
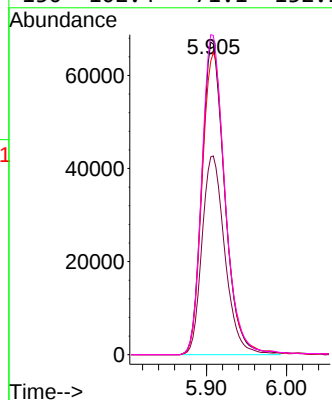
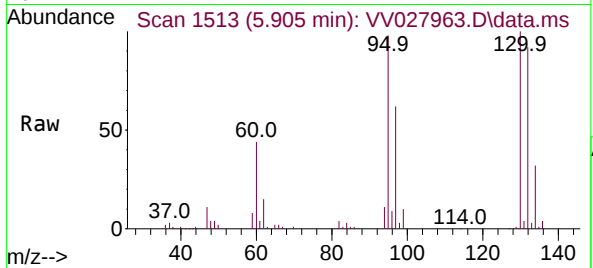




#34
Trichloroethene
Concen: 49.372 ug/L
RT: 5.905 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

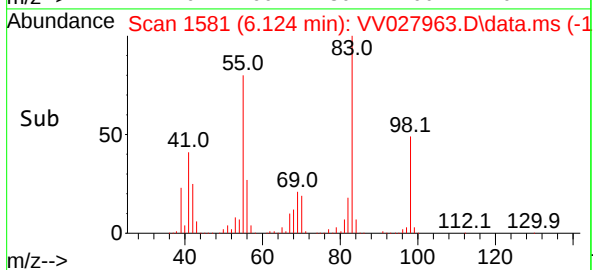
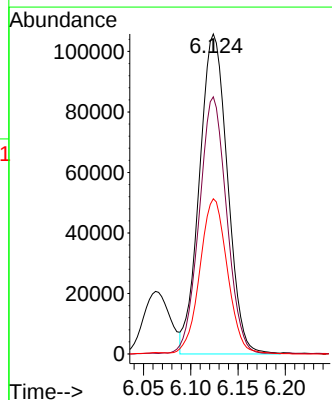
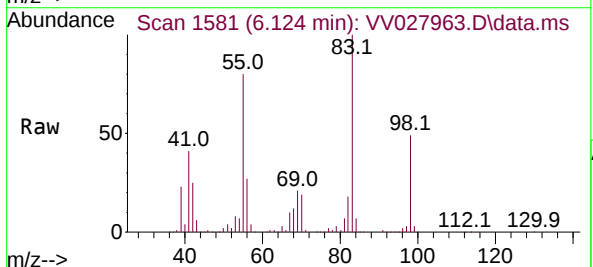
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

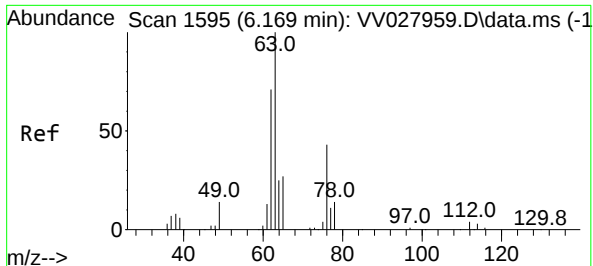
Tgt Ion: 95 Resp: 133676
Ion Ratio Lower Upper
95 100
97 63.3 45.4 84.2
132 93.9 69.2 128.6
130 102.4 71.1 132.1



#35
Methylcyclohexane
Concen: 49.946 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 83 Resp: 218259
Ion Ratio Lower Upper
83 100
55 78.2 63.0 94.4
98 47.7 39.5 59.3





#37

1,2-Dichloropropane

Concen: 53.529 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

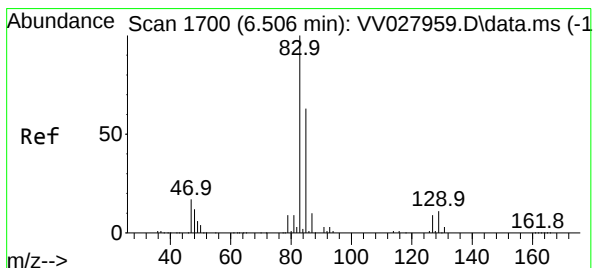
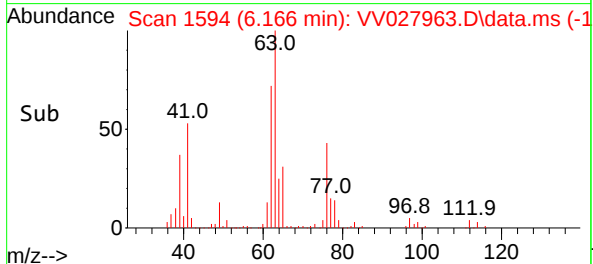
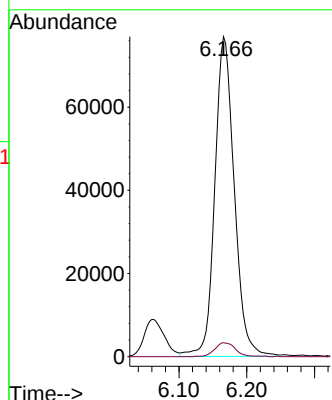
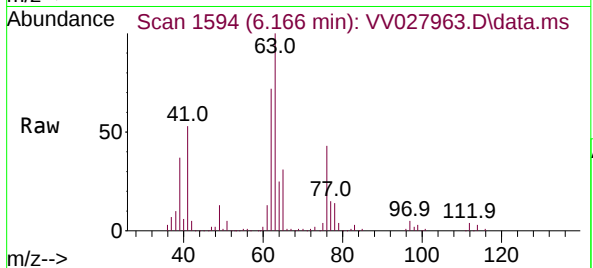
VSTD050342

Tgt Ion: 63 Resp: 153422

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 49.345 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

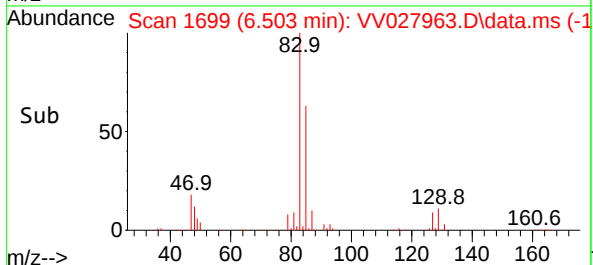
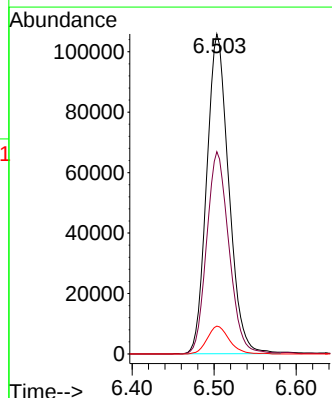
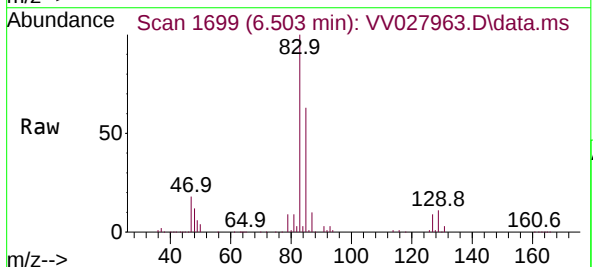
Tgt Ion: 83 Resp: 197481

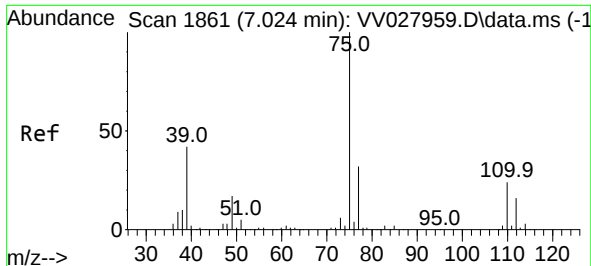
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.0

127 8.7 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 50.933 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

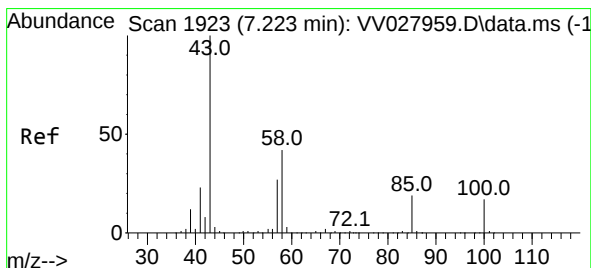
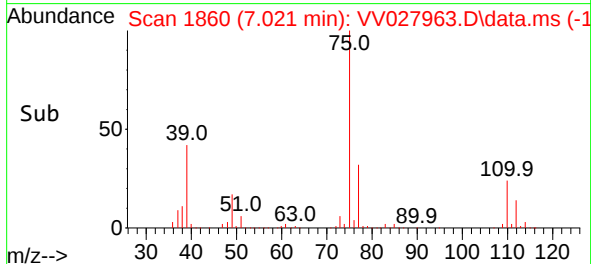
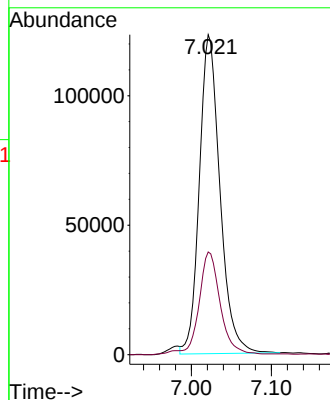
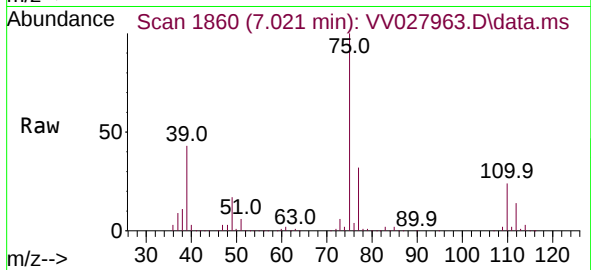
VSTD050342

Tgt Ion: 75 Resp: 221058

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 119.757 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

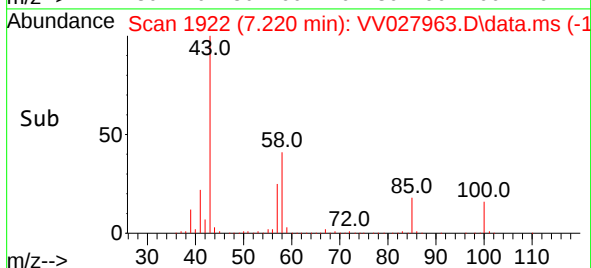
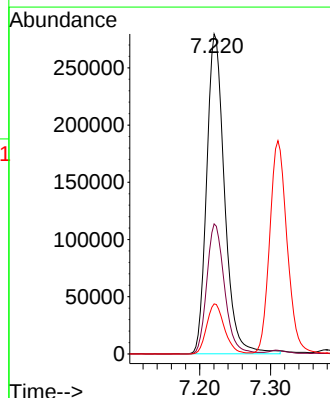
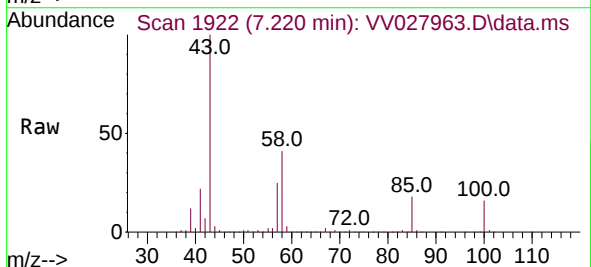
Tgt Ion: 43 Resp: 489539

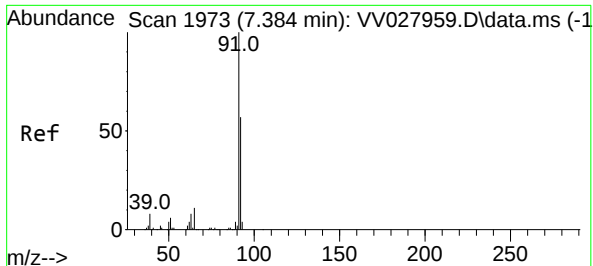
Ion Ratio Lower Upper

43 100

58 40.4 33.0 49.4

100 15.6 13.3 19.9

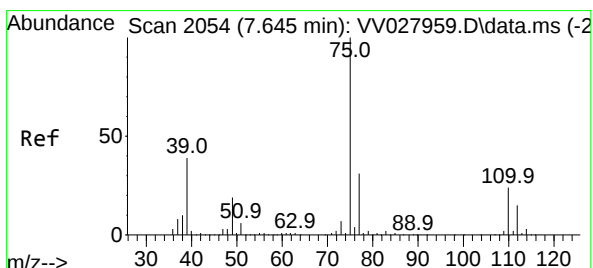
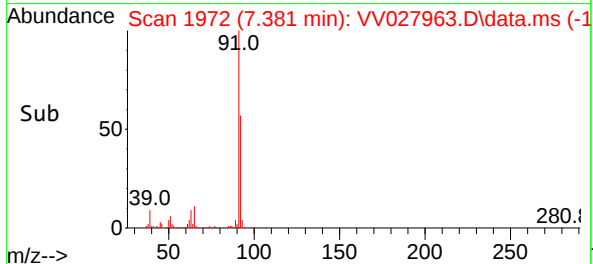
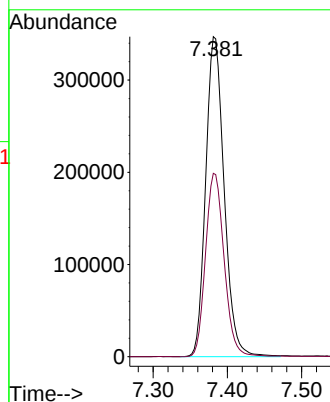
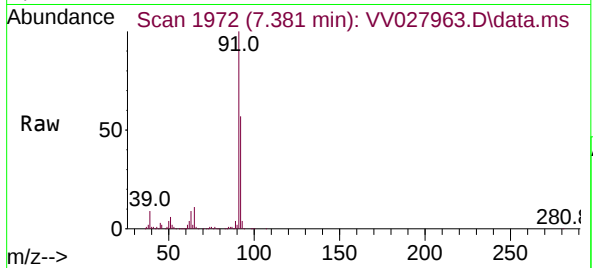




#42
Toluene
Concen: 51.694 ug/L
RT: 7.381 min Scan# 1973
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

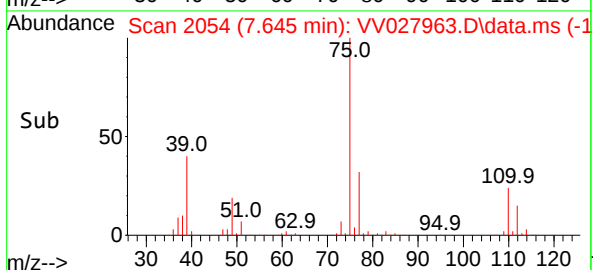
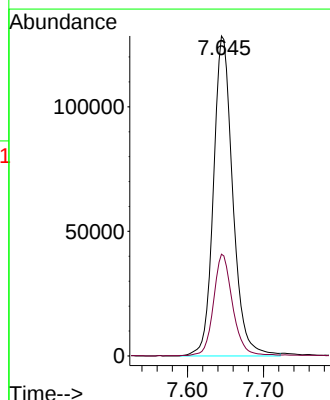
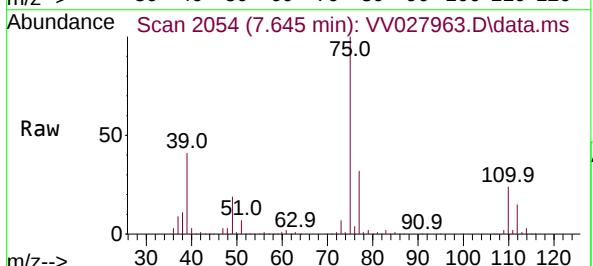
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

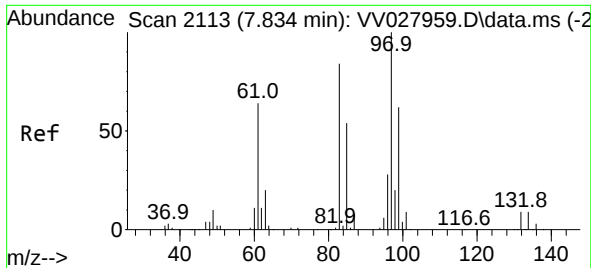
Tgt Ion: 91 Resp: 598516
Ion Ratio Lower Upper
91 100
92 57.3 40.0 74.4



#44
trans-1,3-Dichloropropene
Concen: 52.375 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 75 Resp: 226771
Ion Ratio Lower Upper
75 100
77 31.8 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 50.786 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

Tgt Ion: 97 Resp: 146843

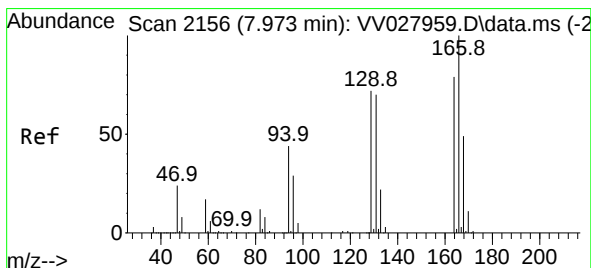
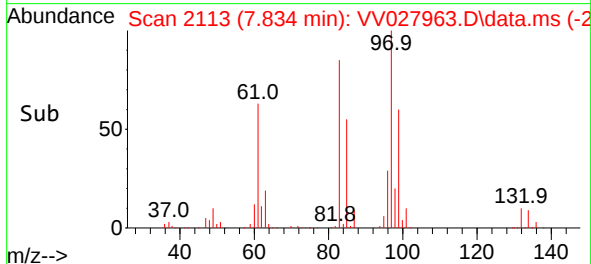
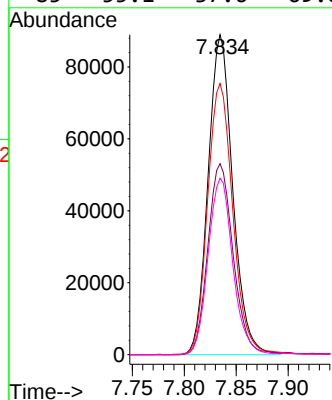
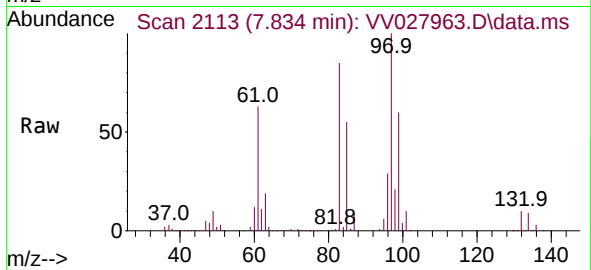
Ion Ratio Lower Upper

97 100

99 59.7 43.8 81.3

83 84.7 58.7 109.1

85 55.1 37.6 69.8



#46

Tetrachloroethene

Concen: 47.167 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Tgt Ion:164 Resp: 106249

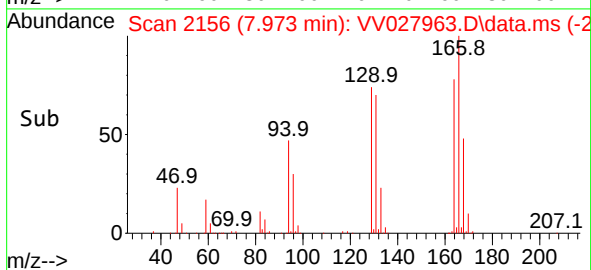
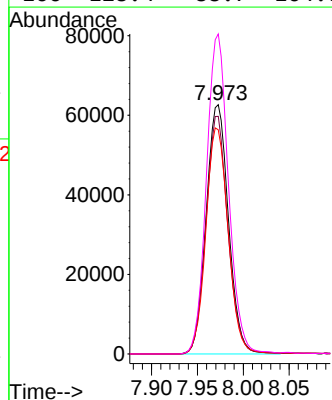
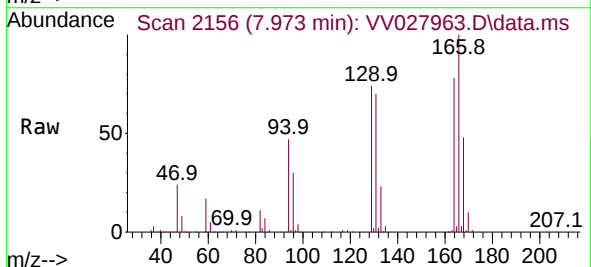
Ion Ratio Lower Upper

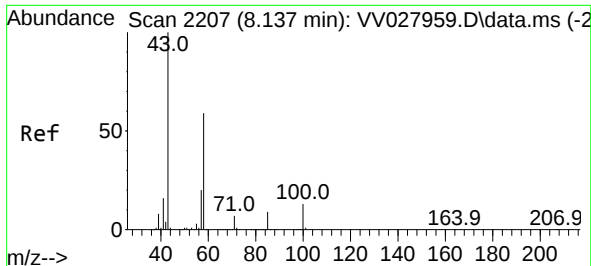
164 100

129 95.3 64.3 119.3

131 89.9 62.6 116.2

166 128.4 88.7 164.7



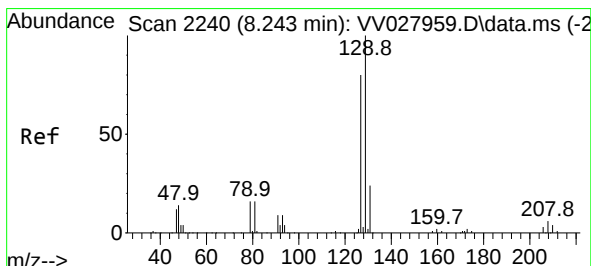
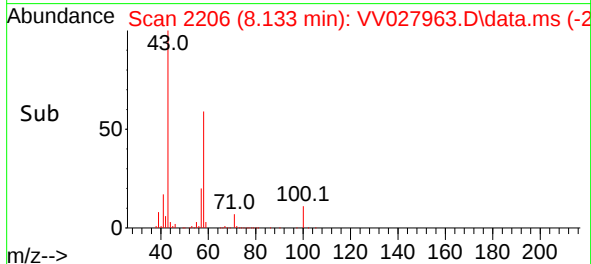
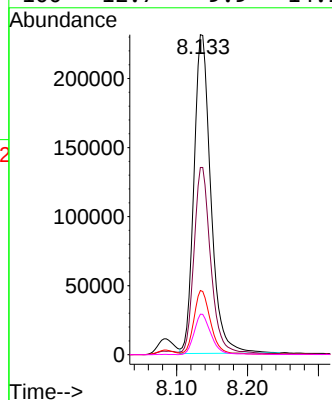
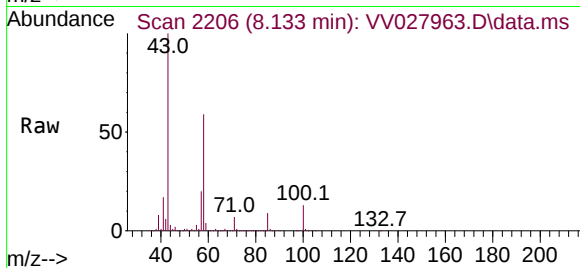


#48
2-Hexanone
Concen: 115.450 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

Tgt Ion: 43 Resp: 382879

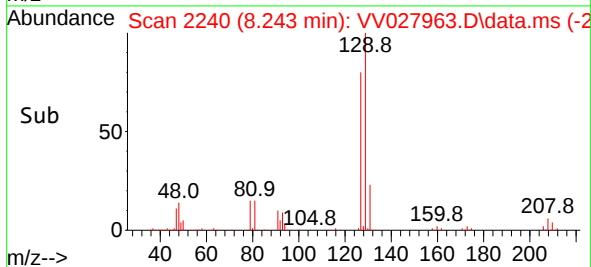
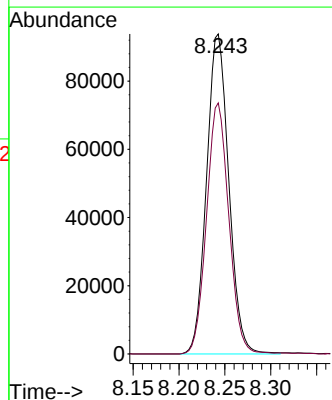
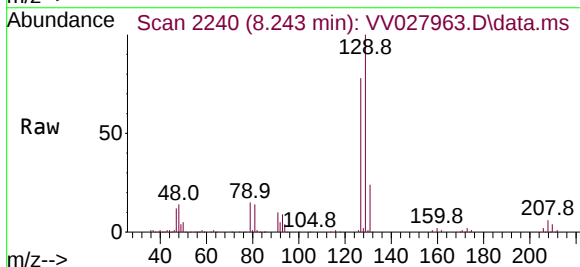
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.6	68.4
57	20.1	15.0	22.6
100	12.7	9.9	14.9

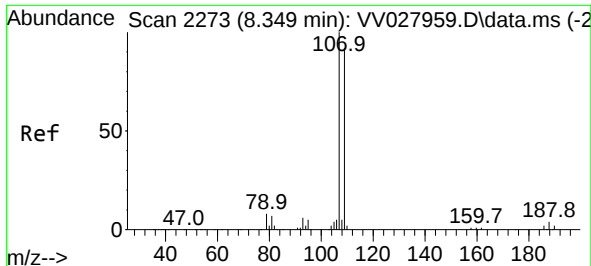


#49
Dibromochloromethane
Concen: 49.594 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 129 Resp: 158298

Ion	Ratio	Lower	Upper
129	100		
127	78.5	56.3	104.5





#50

1,2-Dibromoethane

Concen: 51.031 ug/L

RT: 8.346 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

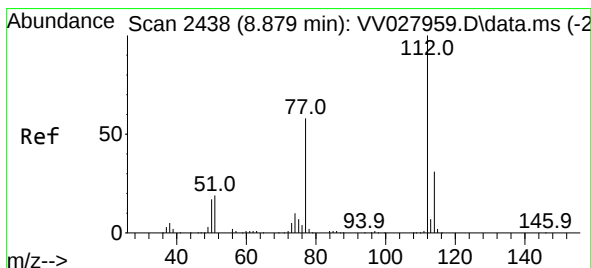
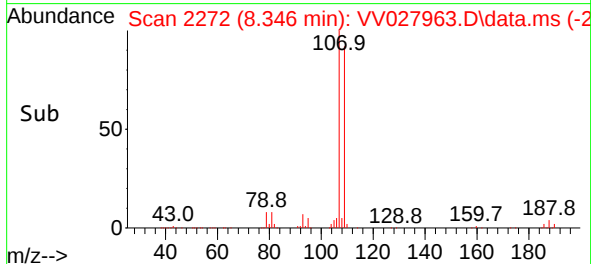
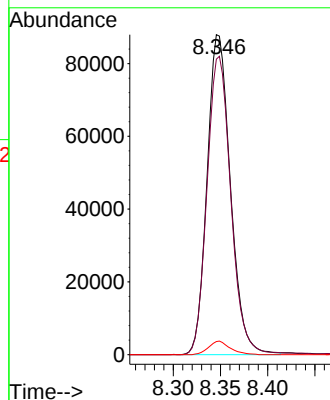
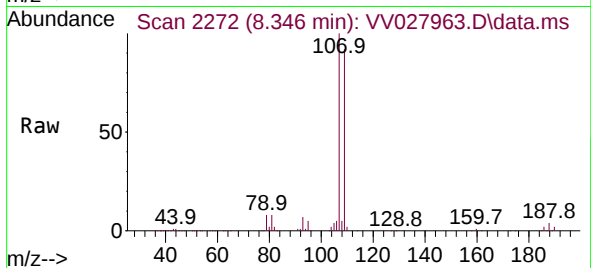
Tgt Ion:107 Resp: 151317

Ion Ratio Lower Upper

107 100

109 92.4 64.4 119.6

188 4.1 3.0 4.4



#51

Chlorobenzene

Concen: 48.303 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

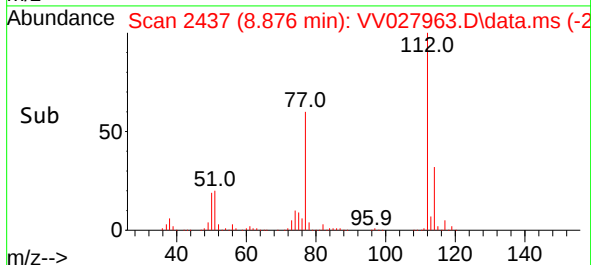
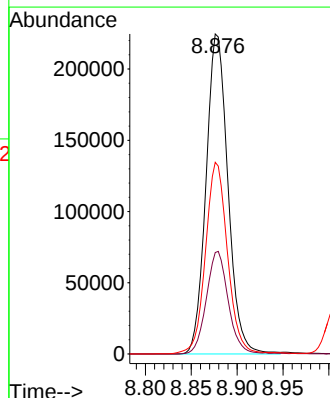
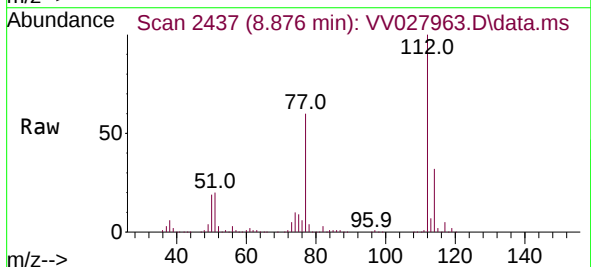
Tgt Ion:112 Resp: 373347

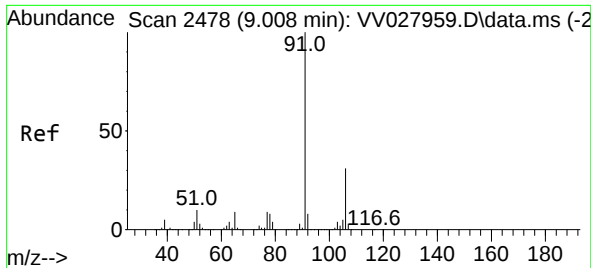
Ion Ratio Lower Upper

112 100

114 31.7 21.9 40.7

77 59.9 46.8 70.2

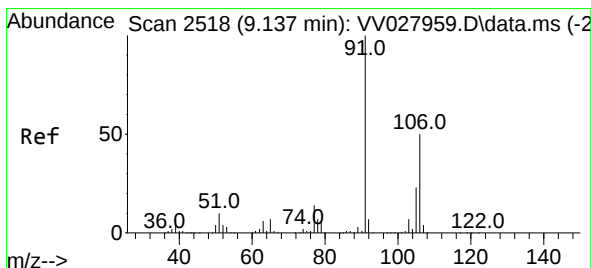
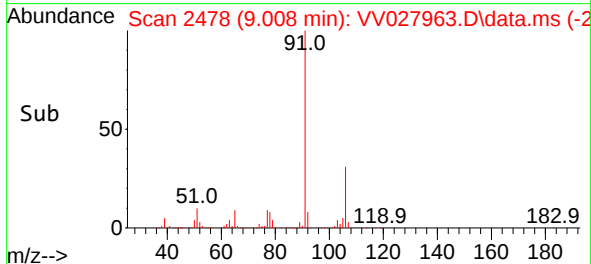
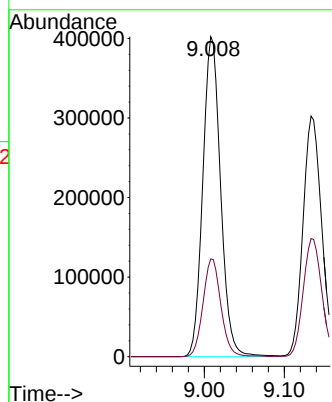
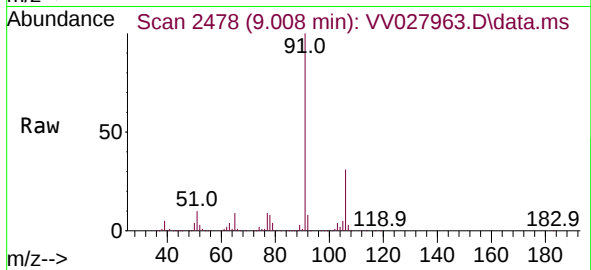




#52
Ethylbenzene
Concen: 50.012 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

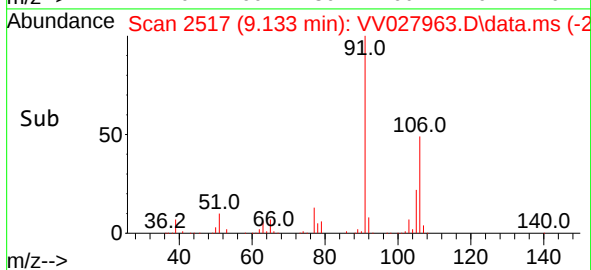
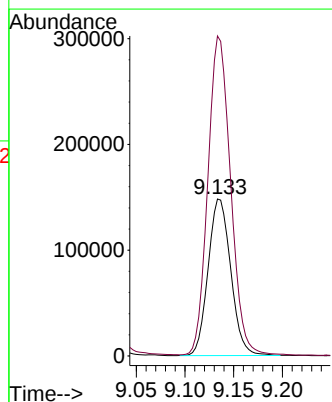
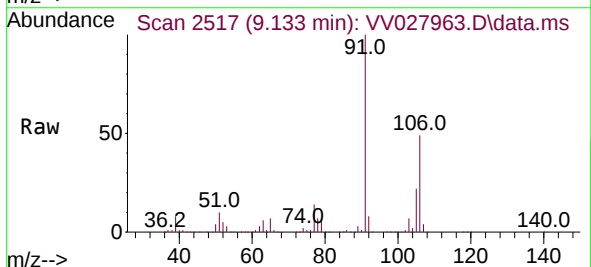
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

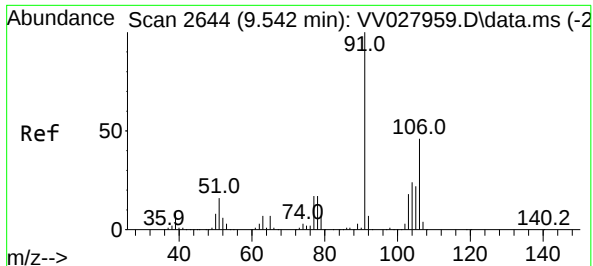
Tgt Ion: 91 Resp: 625117
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#53
m,p-Xylene
Concen: 50.002 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 106 Resp: 239633
Ion Ratio Lower Upper
106 100
91 203.8 139.8 259.6

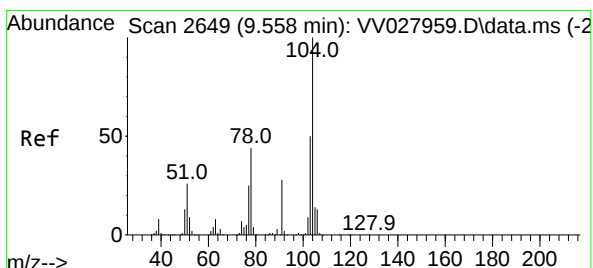
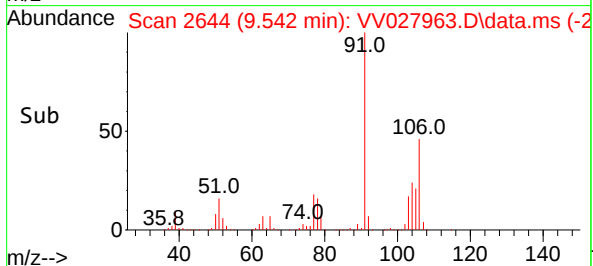
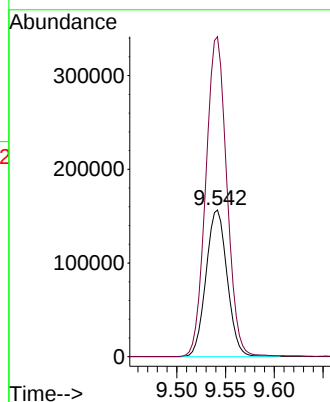
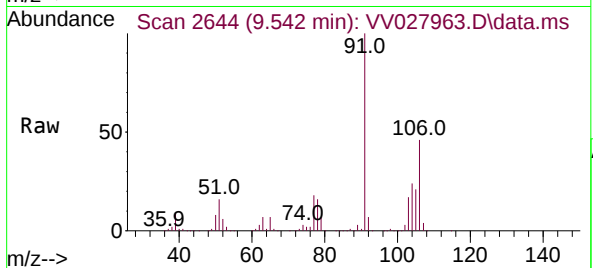




#54
o-Xylene
Concen: 51.210 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

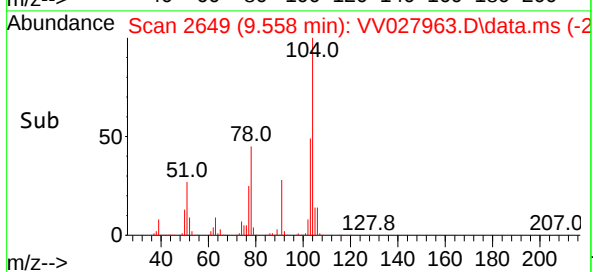
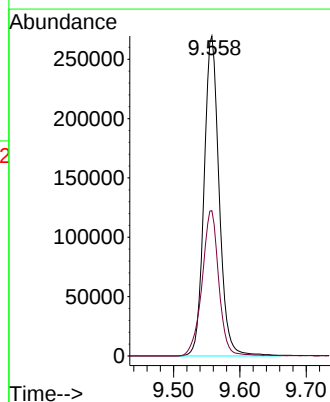
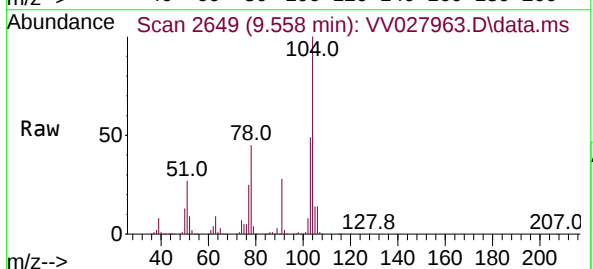
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

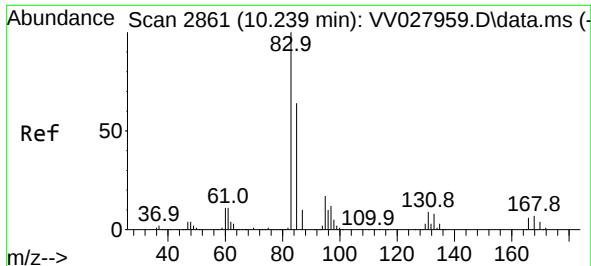
Tgt Ion:106 Resp: 236800
Ion Ratio Lower Upper
106 100
91 218.2 151.1 280.5



#55
Styrene
Concen: 52.095 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion:104 Resp: 427460
Ion Ratio Lower Upper
104 100
78 45.4 31.1 57.7





#57

1,1,2,2-Tetrachloroethane

Concen: 49.996 ug/L

RT: 10.236 min Scan# 2861

Delta R.T. -0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

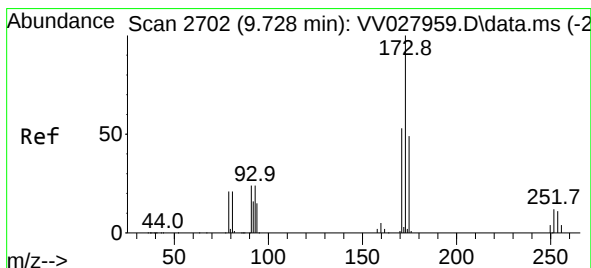
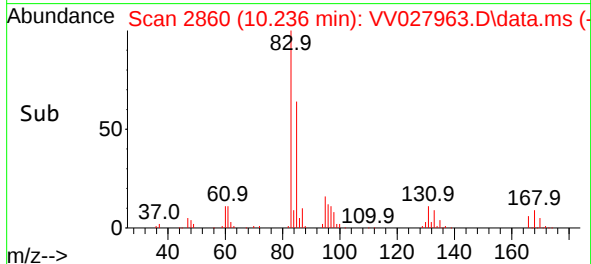
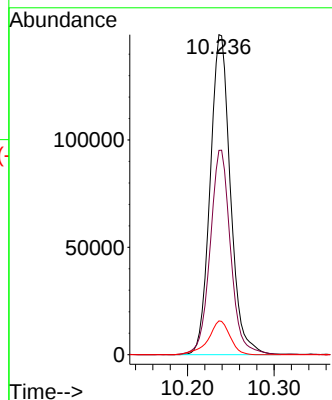
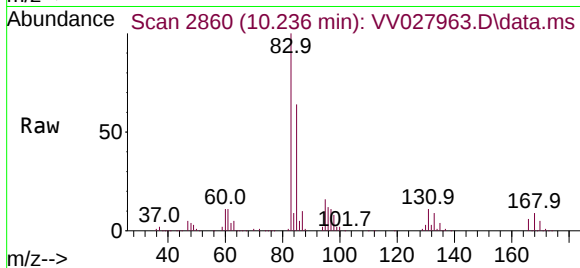
Tgt Ion: 83 Resp: 242464

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

131 10.5 7.7 11.5



#59

Bromoform

Concen: 52.005 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

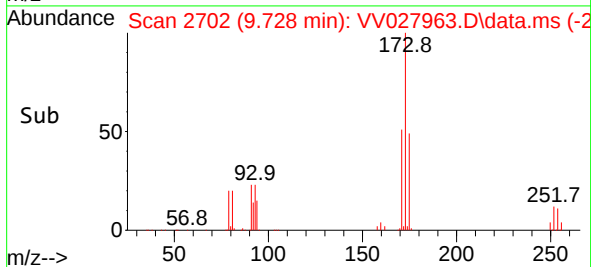
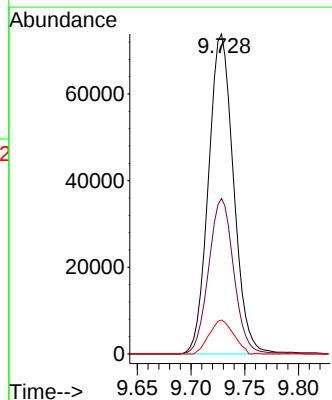
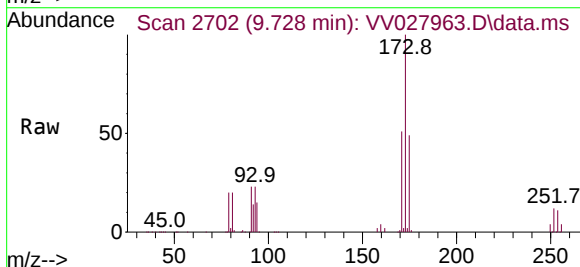
Tgt Ion: 173 Resp: 119760

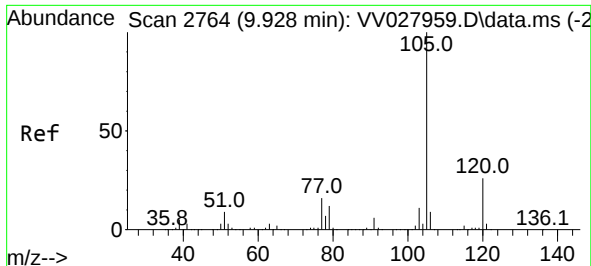
Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 10.3 7.4 11.2

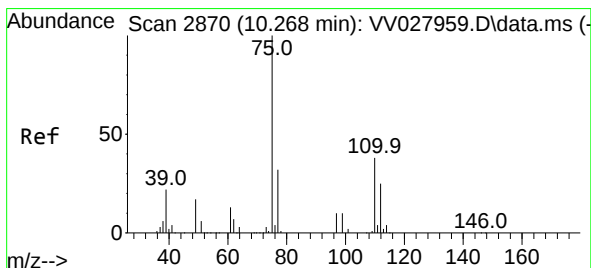
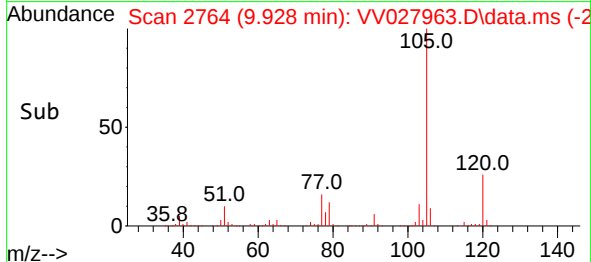
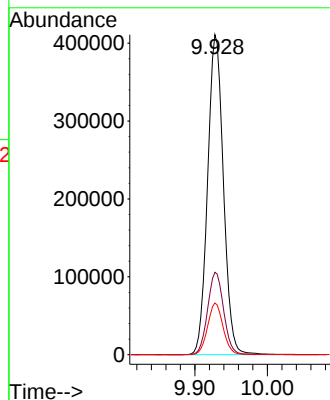
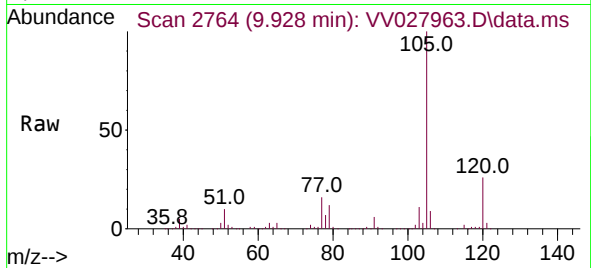




#60
Isopropylbenzene
Concen: 52.796 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

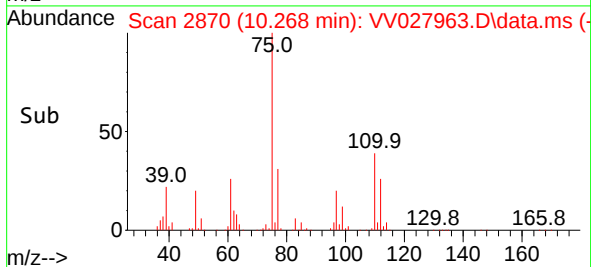
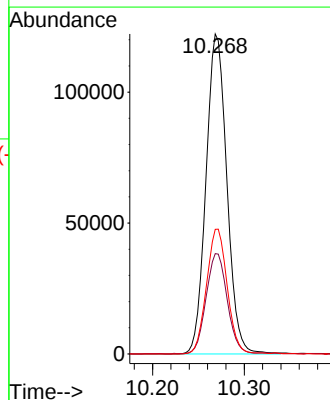
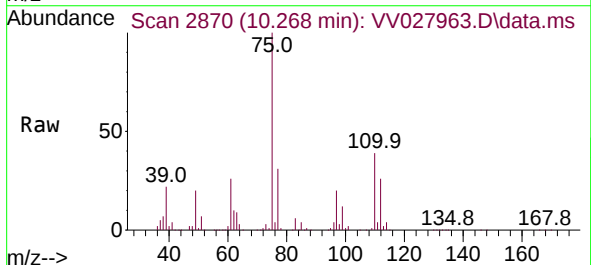
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

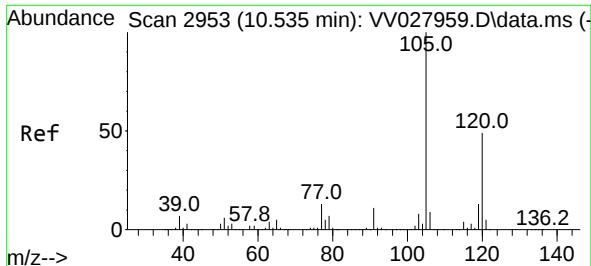
Tgt Ion:105 Resp: 621378
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 51.784 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion: 75 Resp: 193439
Ion Ratio Lower Upper
75 100
77 31.5 25.9 38.9
110 38.8 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 51.119 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

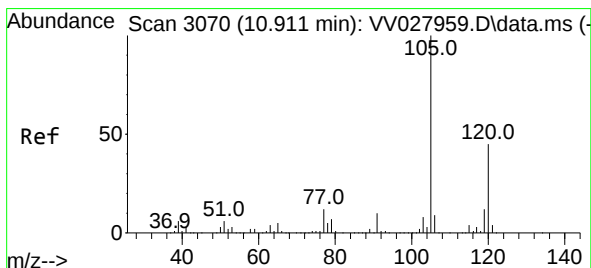
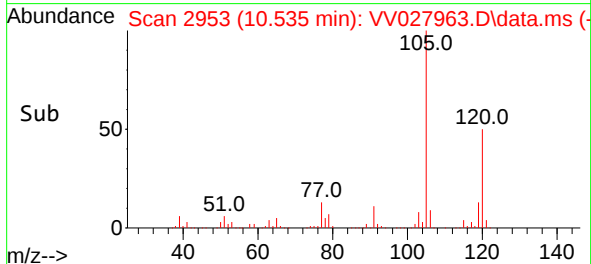
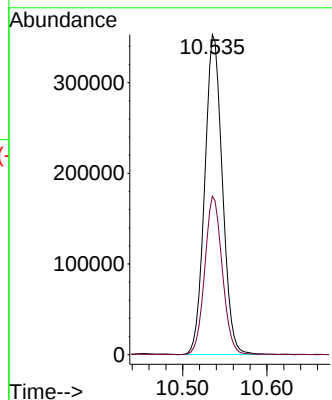
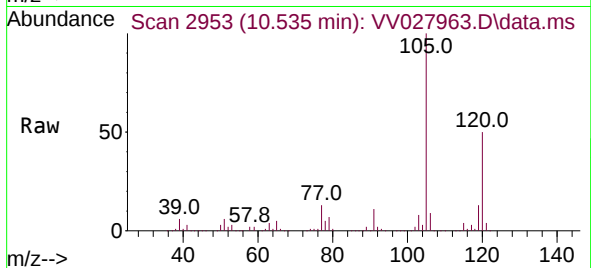
VSTD050342

Tgt Ion:105 Resp: 514489

Ion Ratio Lower Upper

105 100

120 49.3 40.2 60.2



#63

1,2,4-Trimethylbenzene

Concen: 51.517 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV027963.D

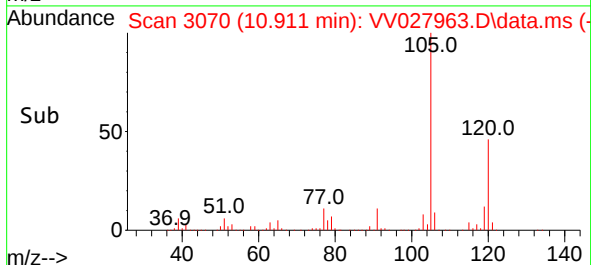
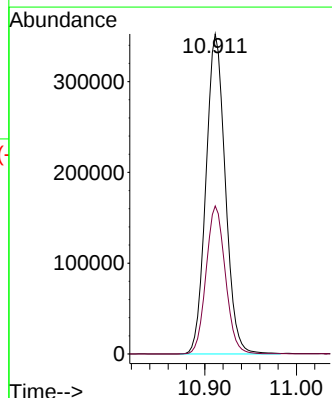
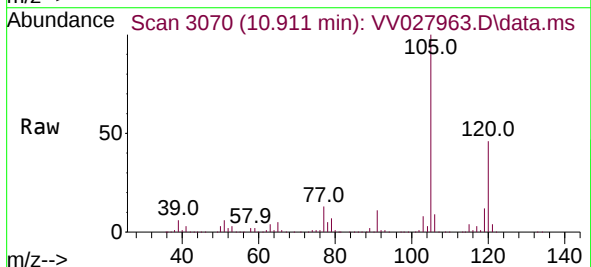
Acq: 20 Sep 2022 15:02

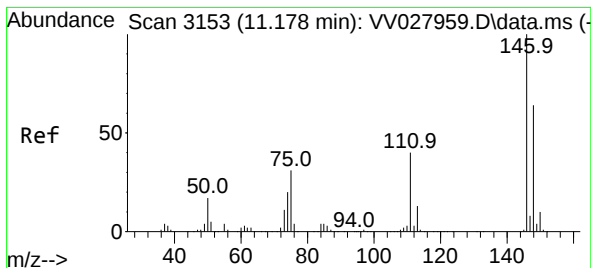
Tgt Ion:105 Resp: 517084

Ion Ratio Lower Upper

105 100

120 46.0 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 48.751 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

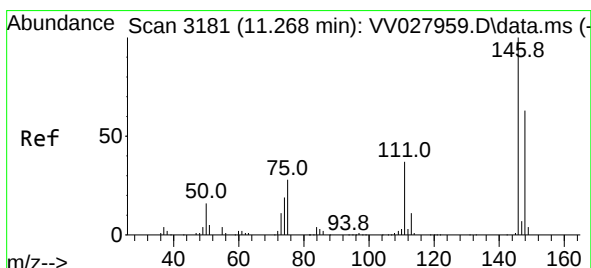
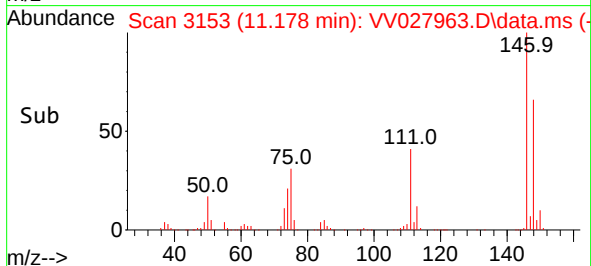
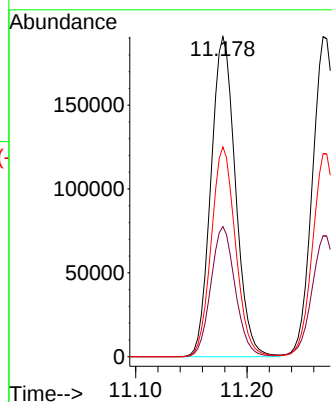
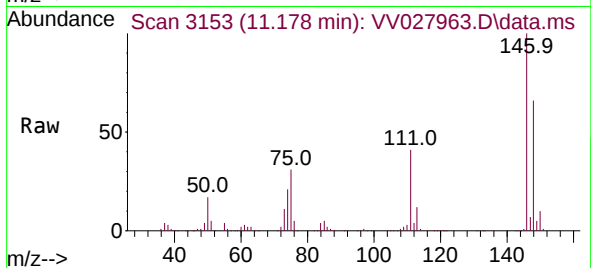
Tgt Ion:146 Resp: 292441

Ion Ratio Lower Upper

146 100

111 40.6 28.2 52.4

148 65.5 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 48.891 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

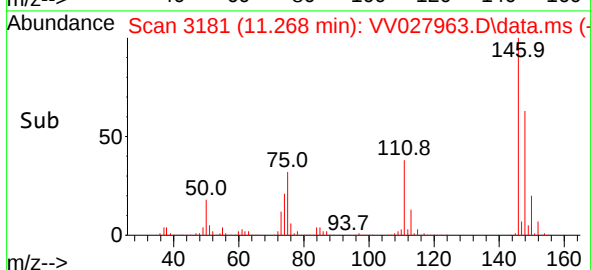
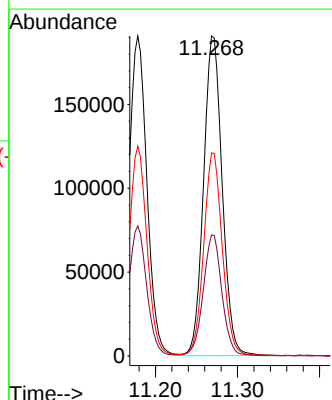
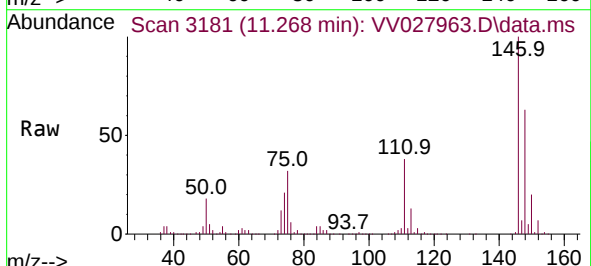
Tgt Ion:146 Resp: 300476

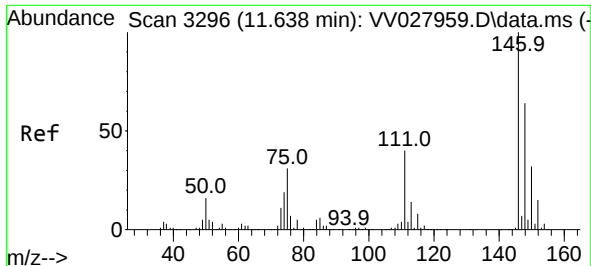
Ion Ratio Lower Upper

146 100

111 37.8 26.0 48.2

148 63.4 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 50.305 ug/L

RT: 11.641 min Scan# 3296

Delta R.T. 0.003 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

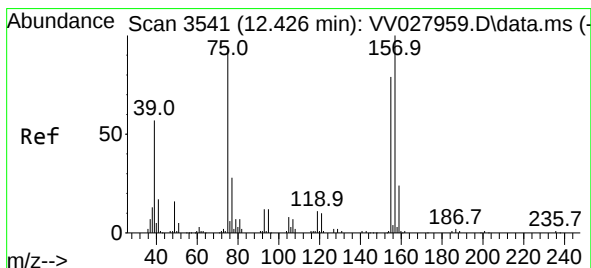
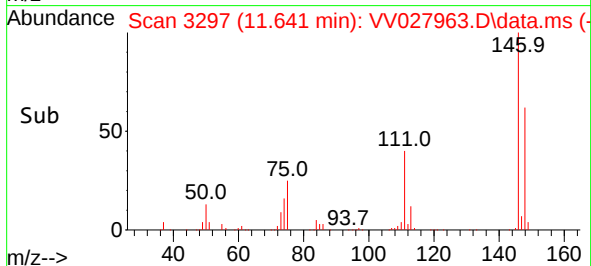
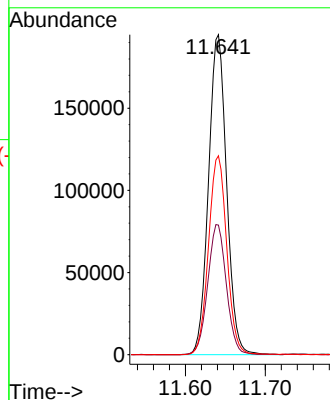
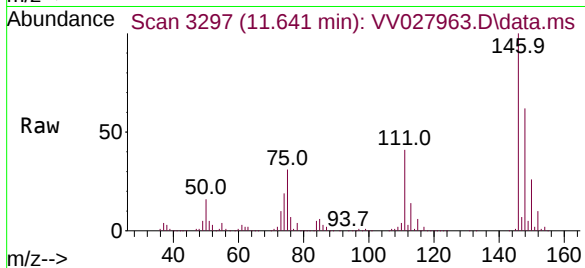
Tgt Ion:146 Resp: 306633

Ion Ratio Lower Upper

146 100

111 40.5 32.3 48.5

148 62.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 54.062 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

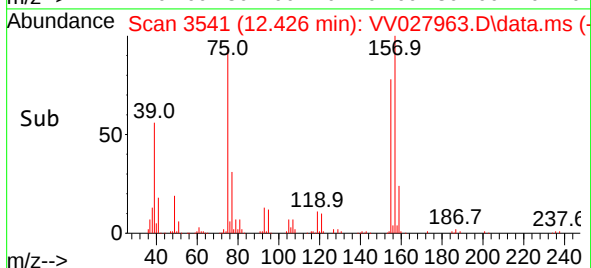
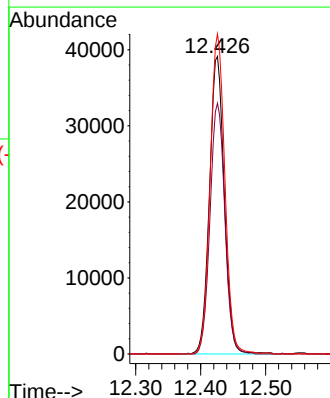
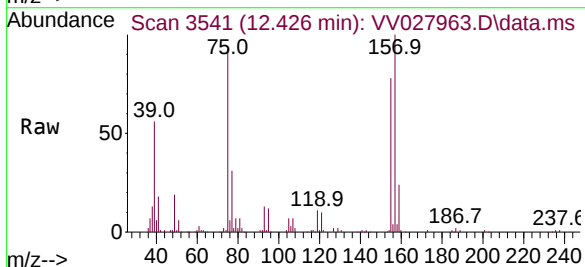
Tgt Ion: 75 Resp: 62057

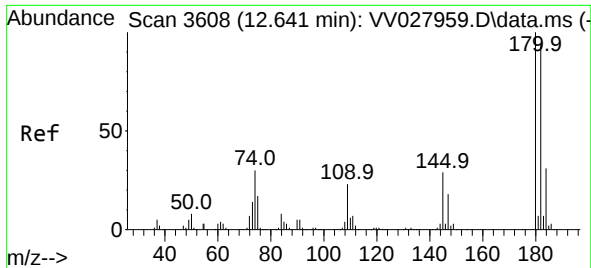
Ion Ratio Lower Upper

75 100

155 84.2 68.3 102.5

157 107.5 86.2 129.2

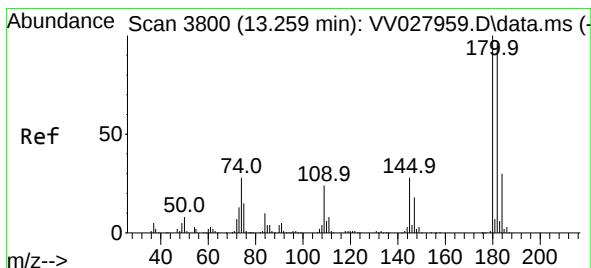
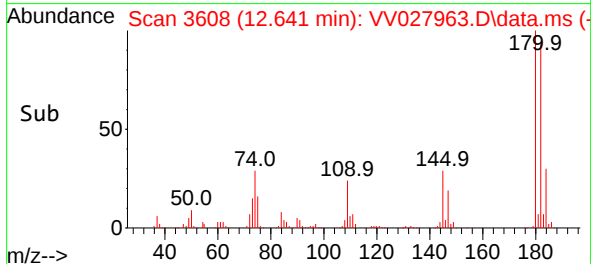
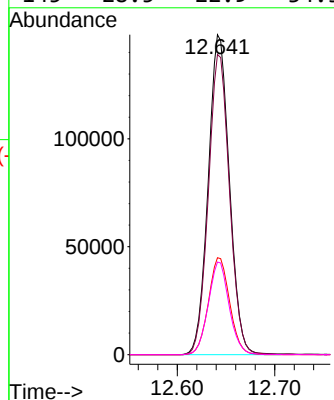
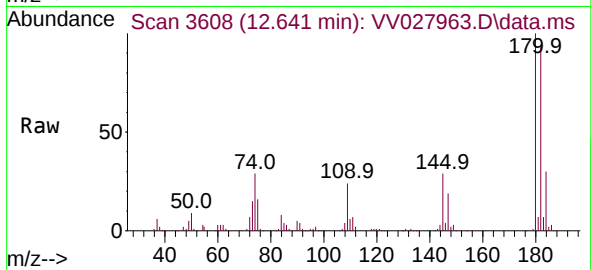




#69
1,3,5-Trichlorobenzene
Concen: 47.654 ug/L
RT: 12.641 min Scan# 3608
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

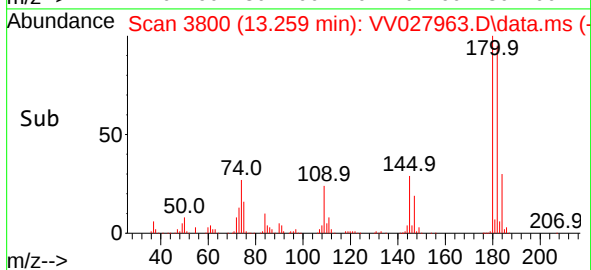
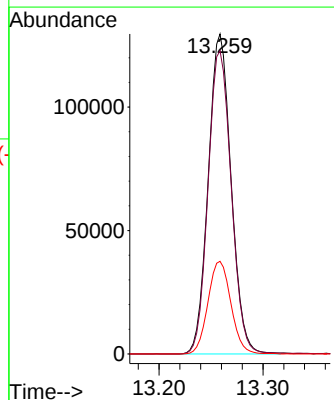
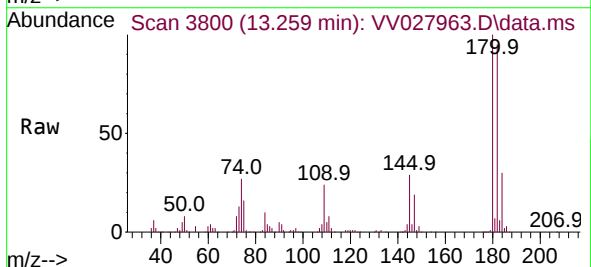
Instrument :
MSVOA_V
ClientSampleId :
VSTD050342

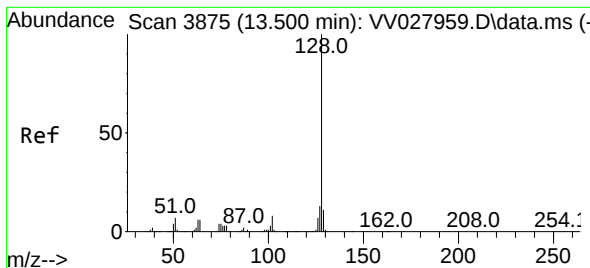
Tgt Ion:180 Resp: 224162
Ion Ratio Lower Upper
180 100
182 93.6 75.4 113.0
184 30.4 24.2 36.2
145 28.5 22.9 34.3



#70
1,2,4-trichlorobenzene
Concen: 47.061 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.000 min
Lab File: VV027963.D
Acq: 20 Sep 2022 15:02

Tgt Ion:180 Resp: 198382
Ion Ratio Lower Upper
180 100
182 95.7 77.0 115.6
145 29.0 22.8 34.2





#71

Naphthalene

Concen: 54.091 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD050342

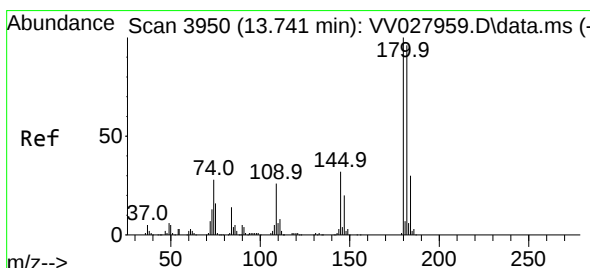
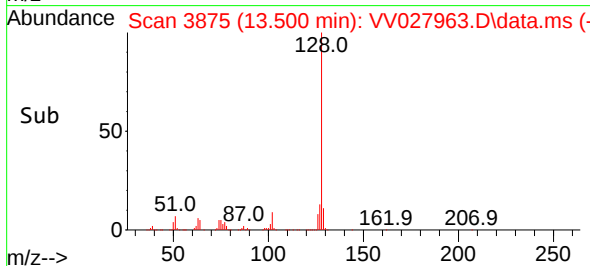
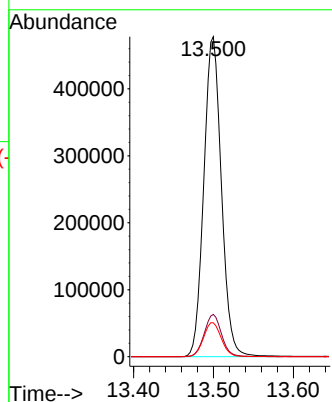
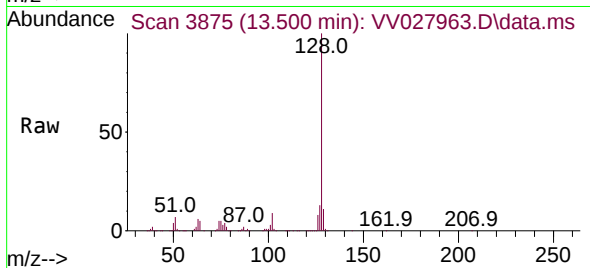
Tgt Ion:128 Resp: 732033

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 48.792 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027963.D

Acq: 20 Sep 2022 15:02

Tgt Ion:180 Resp: 212430

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.4

145 32.1 25.1 37.7

