

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111122\
 Data File : VV028877.D
 Acq On : 11 Nov 2022 15:05
 Operator : SY/MD
 Sample : VSTD02001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020201

Quant Time: Nov 11 21:56:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 11 21:54:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	294018	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	262226	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	146111	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	404029	22.540	ug/L	0.00
7) Chloroethane-d5	1.564	69	345659	21.936	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.104	63	729574	22.335	ug/L	0.00
20) 2-Butanone-d5	3.883	46	639446	215.112	ug/L	-0.01
24) Chloroform-d	4.342	84	837279	22.751	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	367170	22.175	ug/L	0.00
32) Benzene-d6	5.046	84	1777680	22.712	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	494686	22.634	ug/L	0.00
41) Toluene-d8	7.310	98	1586769	22.521	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.615	79	172406	24.186	ug/L	0.00
46) 2-Hexanone-d5	8.085	63	765072	254.205	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.207	84	337401	22.266	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.615	152	580869	22.221	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	537001	21.910	ug/L	99
3) Chloromethane	1.236	50	450970	22.169	ug/L	99
5) Vinyl chloride	1.307	62	509426	21.955	ug/L	99
6) Bromomethane	1.519	94	308701	22.260	ug/L	97
8) Chloroethane	1.584	64	279268	20.482	ug/L	97
9) Trichlorofluoromethane	1.751	101	683055	21.833	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	382299	21.582	ug/L	99
12) 1,1-Dichloroethene	2.114	96	391905	22.018	ug/L	91
13) Acetone	2.178	43	305307	158.169	ug/L	90
14) Carbon disulfide	2.291	76	1371414	21.698	ug/L	100
15) Methyl Acetate	2.432	43	119095	25.425	ug/L	91
16) Methylene chloride	2.503	84	433177	18.822	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	865150	22.672	ug/L	100
18) trans-1,2-Dichloroethene	2.754	96	450188	21.808	ug/L	98
19) 1,1-Dichloroethane	3.185	63	738248	21.876	ug/L	99
21) 2-Butanone	3.966	43	581193	198.701	ug/L	89
22) cis-1,2-Dichloroethene	3.905	96	480001	22.872	ug/L	98
23) Bromochloromethane	4.243	128	196730	22.164	ug/L	92
25) Chloroform	4.368	83	761746	21.532	ug/L	96
27) 1,2-Dichloroethane	5.124	62	398532	21.872	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	677605	22.021	ug/L	98
30) Cyclohexane	4.673	56	709366	22.682	ug/L	99
31) Carbon tetrachloride	4.825	117	590228	22.274	ug/L	99
33) Benzene	5.095	78	1776842	22.174	ug/L	100
34) Trichloroethene	5.908	95	455256	22.192	ug/L	98
35) Methylcyclohexane	6.127	83	817919	22.686	ug/L	98
37) 1,2-Dichloropropane	6.169	63	406992	22.025	ug/L	100
38) Bromodichloromethane	6.503	83	516794	22.084	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	618643	23.981	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	1779549	224.245	ug/L	97
42) Toluene	7.381	91	1840283	21.258	ug/L	100
44) trans-1,3-Dichloropropene	7.644	75	476055	23.771	ug/L	99

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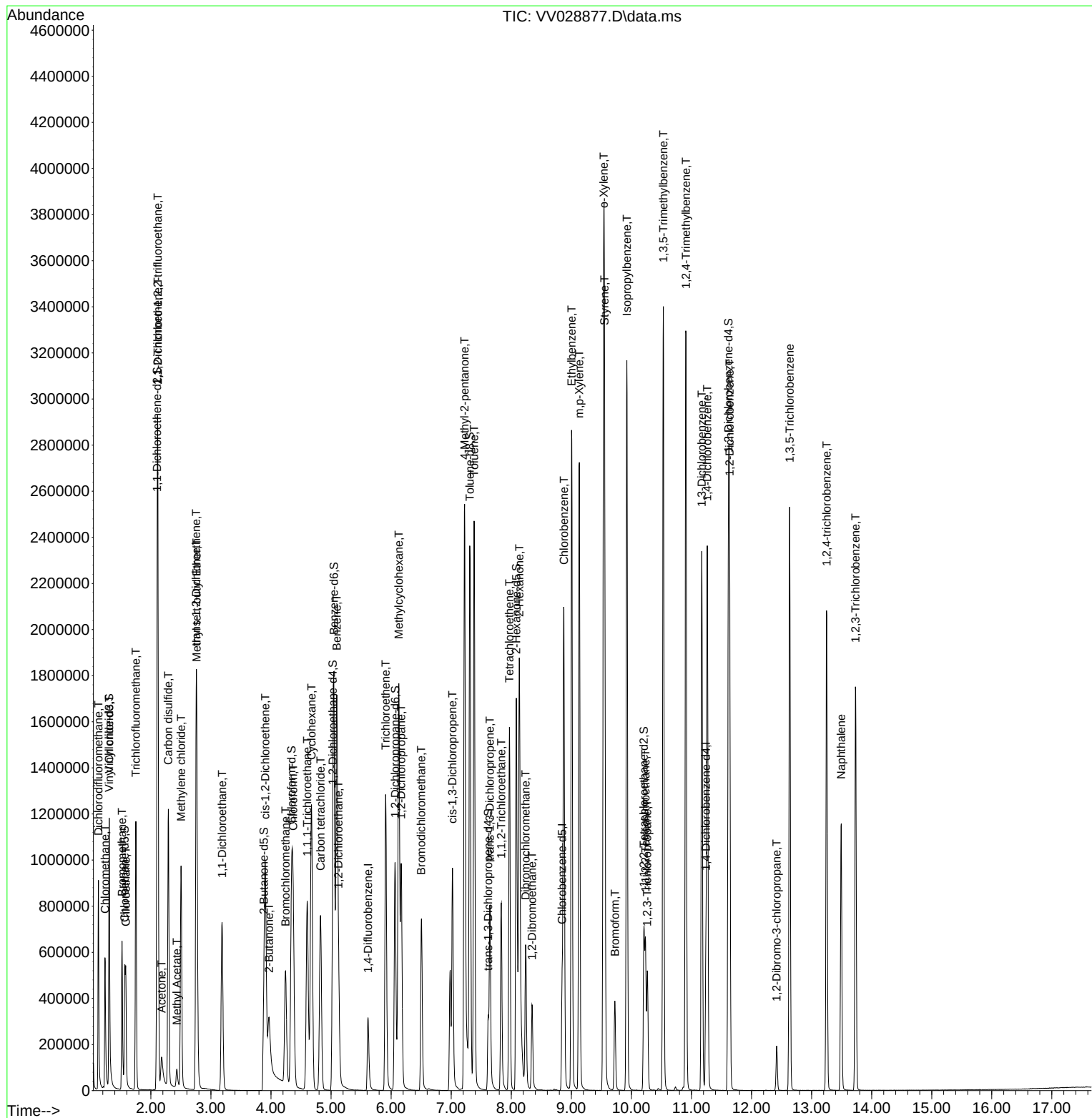
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	271419	22.438	ug/L	97
47) Tetrachloroethene	7.969	164	363858	22.151	ug/L	99
48) 2-Hexanone	8.136	43	1243215	224.764	ug/L	98
49) Dibromochloromethane	8.239	129	332006	22.702	ug/L	99
50) 1,2-Dibromoethane	8.345	107	249345	22.188	ug/L	97
51) Chlorobenzene	8.876	112	1176180	21.974	ug/L	100
52) Ethylbenzene	9.005	91	2004761	22.244	ug/L	99
53) m,p-Xylene	9.133	106	800794	22.341	ug/L	99
54) o-Xylene	9.538	106	773297	22.695	ug/L	98
55) Styrene	9.554	104	1323118	23.151	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	309728	21.968	ug/L	99
59) Bromoform	9.725	173	177928	22.338	ug/L	98
60) Isopropylbenzene	9.924	105	2061783	21.740	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	213045	21.337	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	1792714	22.314	ug/L	99
63) 1,2,4-Trimethylbenzene	10.908	105	1809027	22.478	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	976527	21.915	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	969276	21.637	ug/L	100
67) 1,2-Dichlorobenzene	11.635	146	881103	22.008	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	47527	24.192	ug/L	84
69) 1,3,5-Trichlorobenzene	12.635	180	788245	22.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	641507	24.670	ug/L	97
71) Naphthalene	13.493	128	925779	27.592	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	543229	24.666	ug/L	99

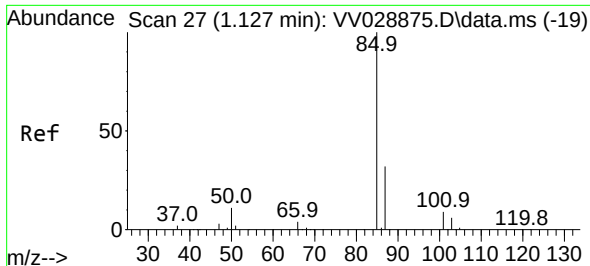
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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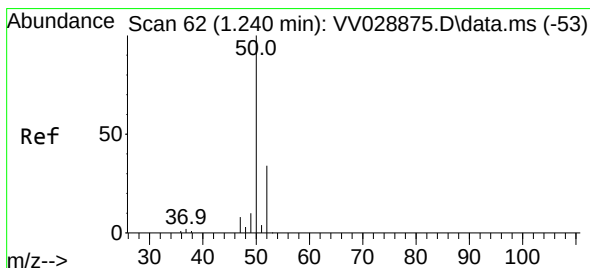
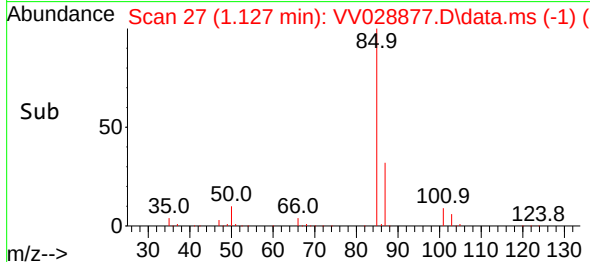
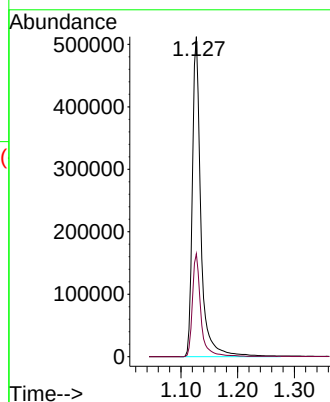
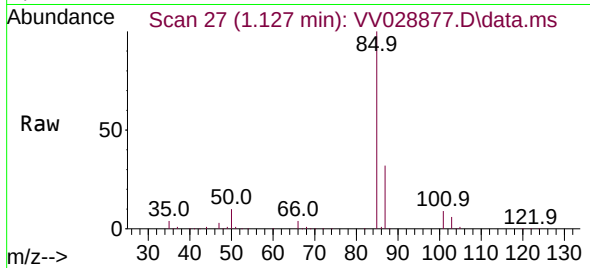




#2
 Dichlorodifluoromethane
 Concen: 21.910 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

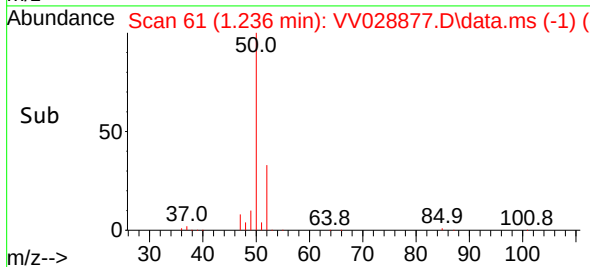
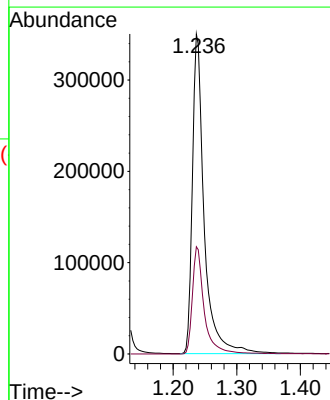
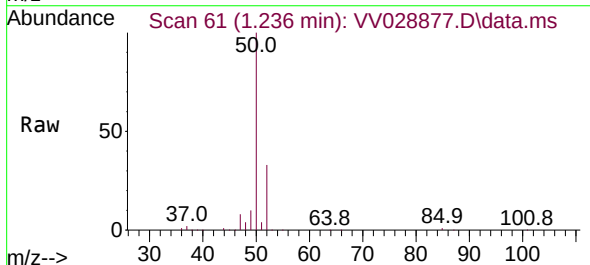
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020201

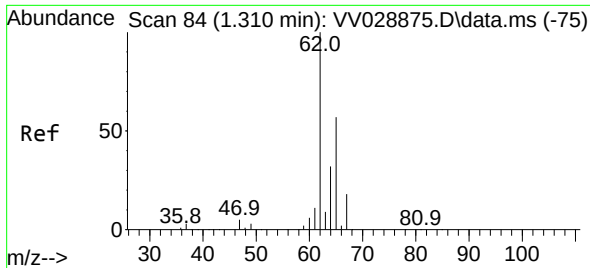
Tgt Ion: 85 Resp: 537001
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.0 37.4



#3
 Chloromethane
 Concen: 22.169 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

Tgt Ion: 50 Resp: 450970
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.7 43.9

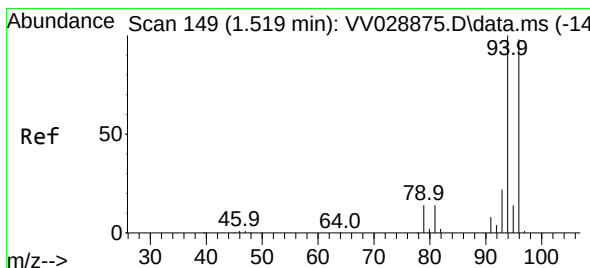
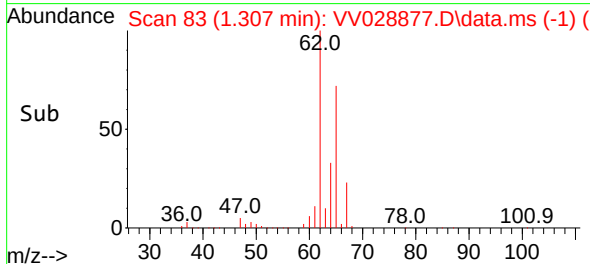
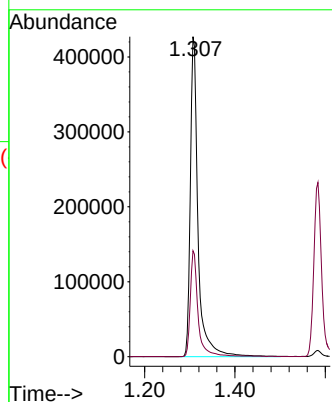
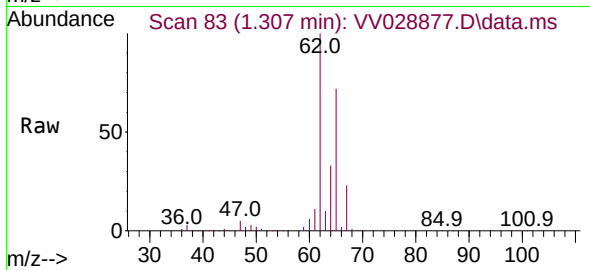




#5
 Vinyl chloride
 Concen: 21.955 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

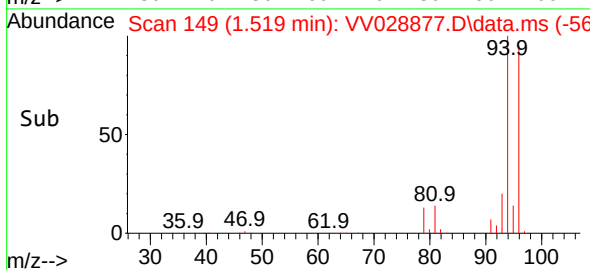
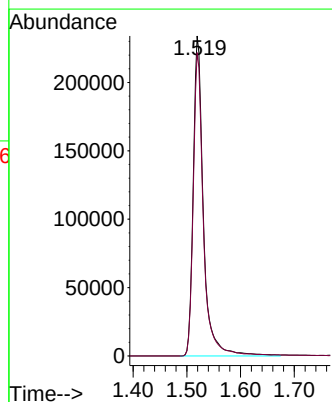
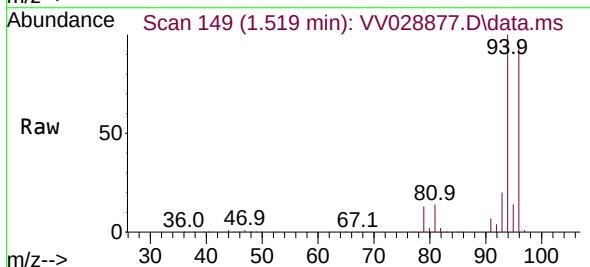
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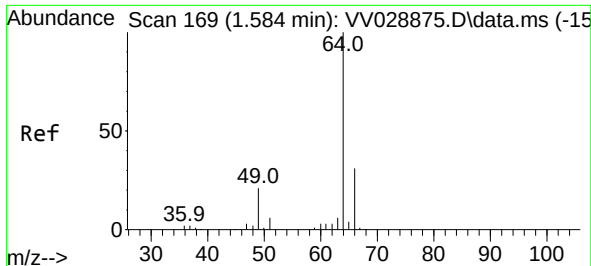
Tgt Ion: 62 Resp: 509426
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.8 42.4



#6
 Bromomethane
 Concen: 22.260 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

Tgt Ion: 94 Resp: 308701
 Ion Ratio Lower Upper
 94 100
 96 94.8 68.5 127.3

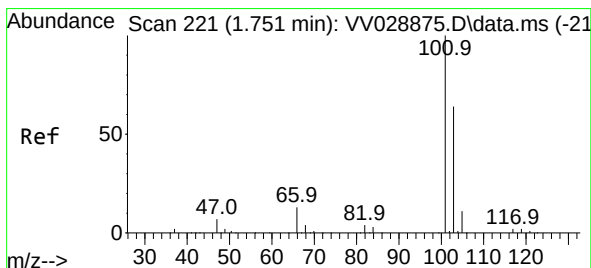
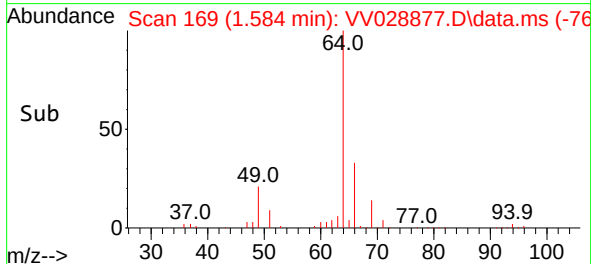
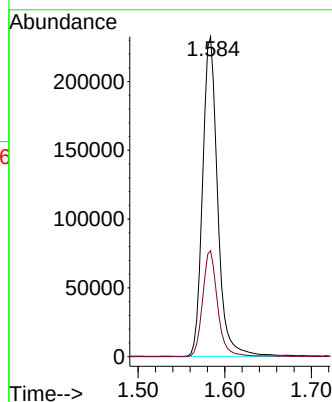
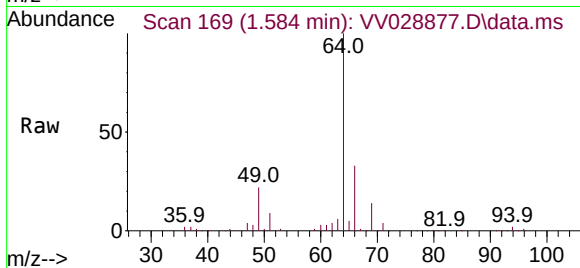




#8
Chloroethane
Concen: 20.482 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

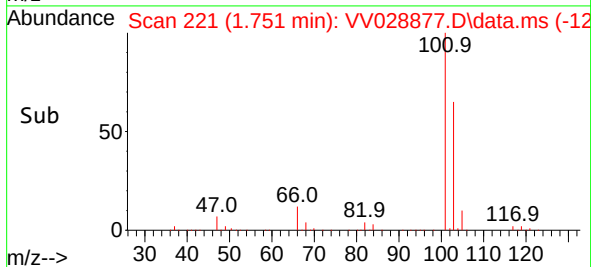
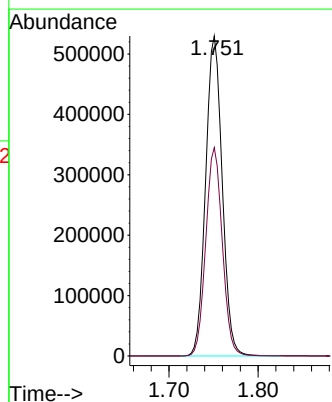
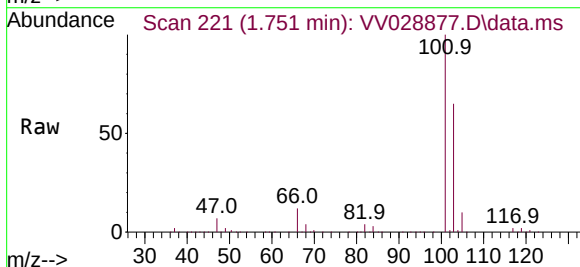
Instrument :
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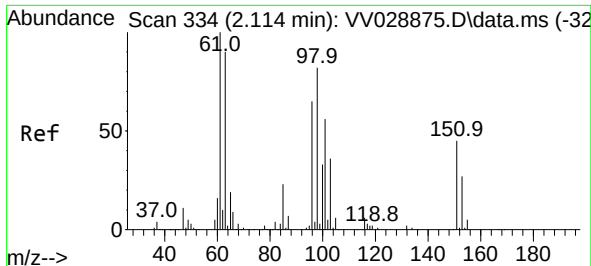
Tgt Ion: 64 Resp: 279268
Ion Ratio Lower Upper
64 100
66 33.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 21.833 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion:101 Resp: 683055
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

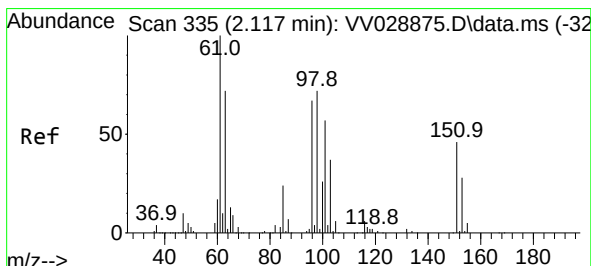
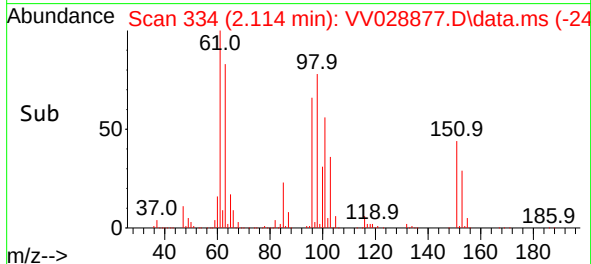
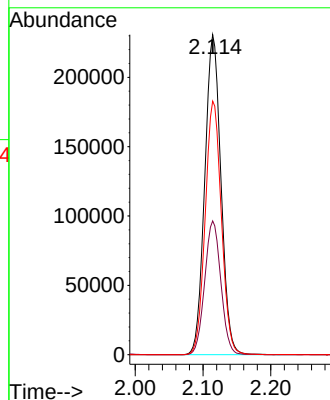
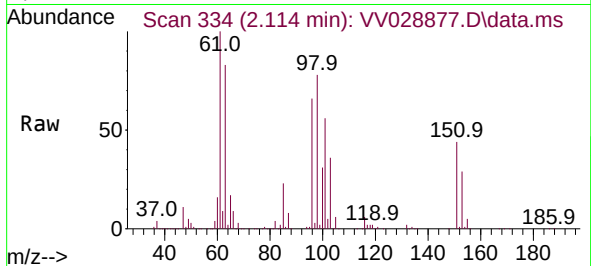




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.582 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

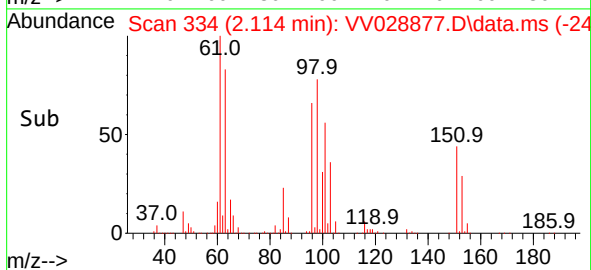
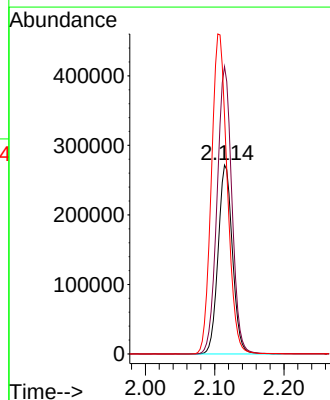
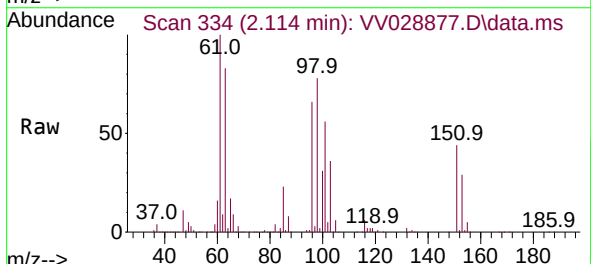
Instrument :
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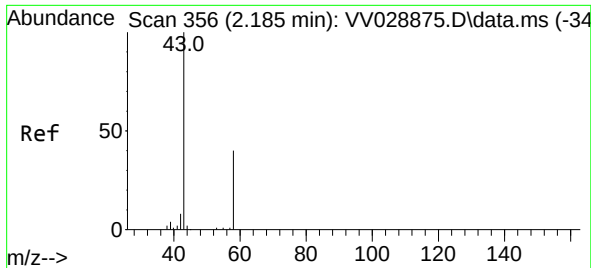
Tgt Ion:101 Resp: 382299
 Ion Ratio Lower Upper
 101 100
 85 41.7 32.9 49.3
 151 79.3 62.5 93.7



#12
 1,1-Dichloroethene
 Concen: 22.018 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

Tgt Ion: 96 Resp: 391905
 Ion Ratio Lower Upper
 96 100
 61 152.0 104.2 193.4
 63 126.2 75.9 140.9





#13

Acetone

Concen: 158.169 ug/L

RT: 2.178 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV028877.D

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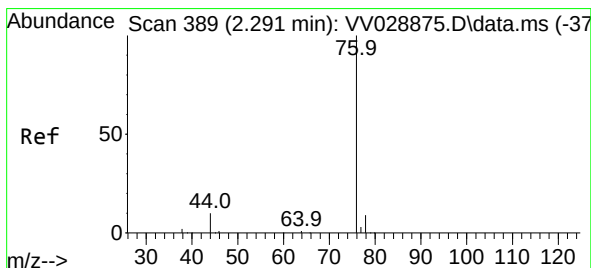
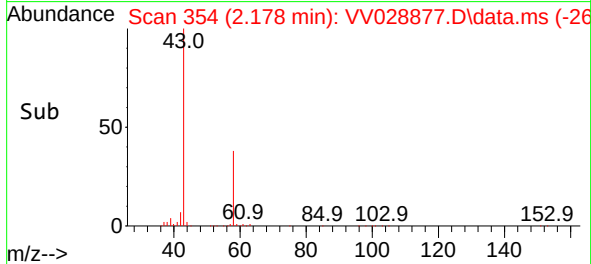
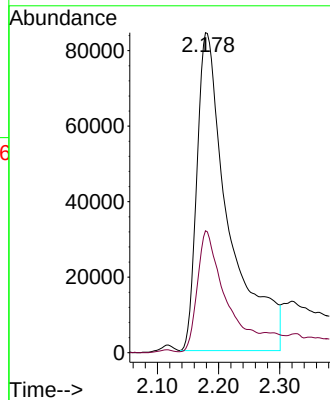
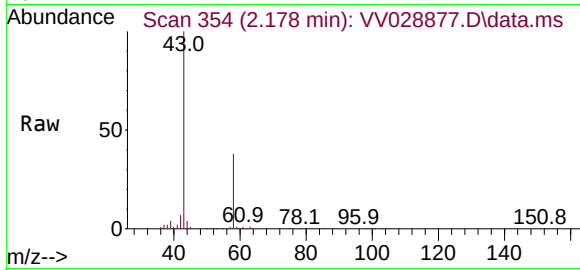
VSTD020201

Tgt Ion: 43 Resp: 305307

Ion Ratio Lower Upper

43 100

58 33.5 0.0 56.6



#14

Carbon disulfide

Concen: 21.698 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV028877.D

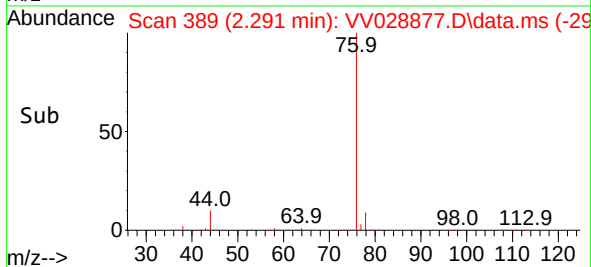
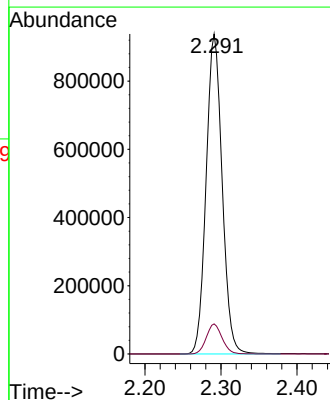
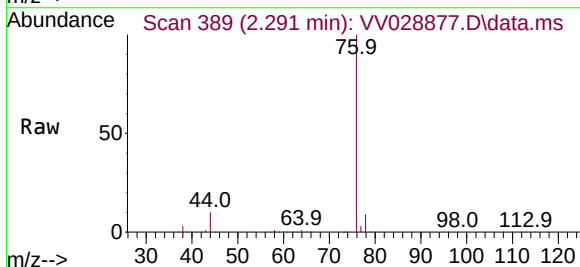
Acq: 11 Nov 2022 15:05

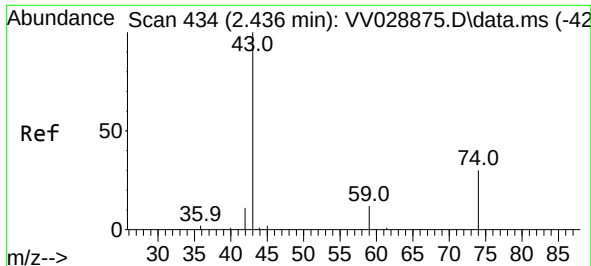
Tgt Ion: 76 Resp: 1371414

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

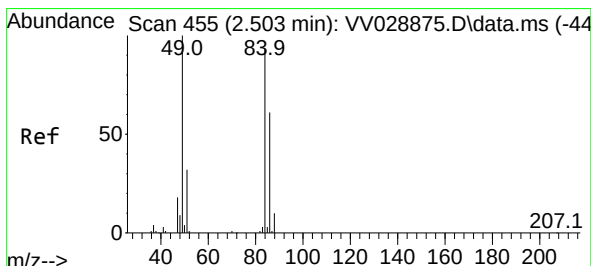
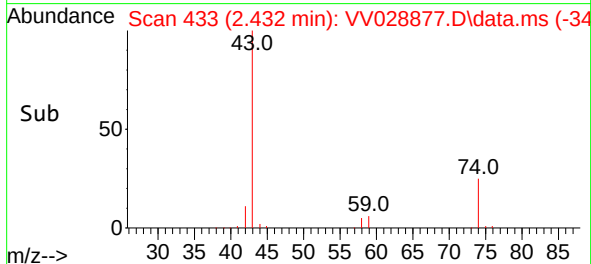
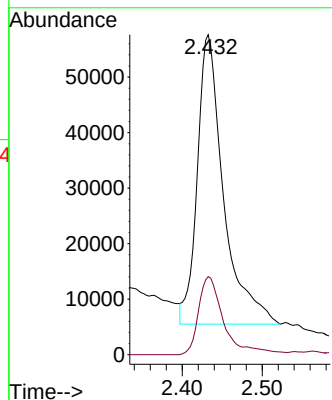
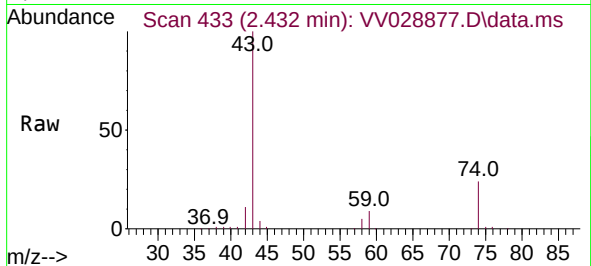




#15
Methyl Acetate
Concen: 25.425 ug/L
RT: 2.432 min Scan# 411
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

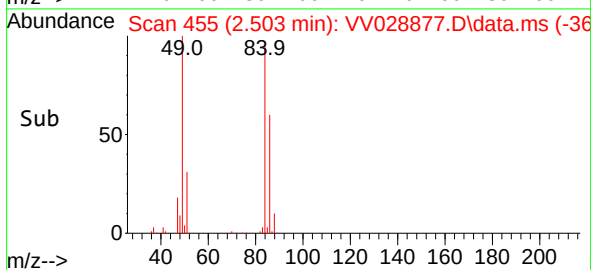
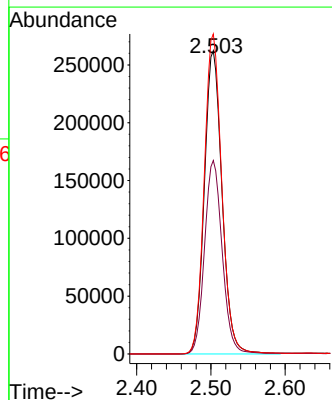
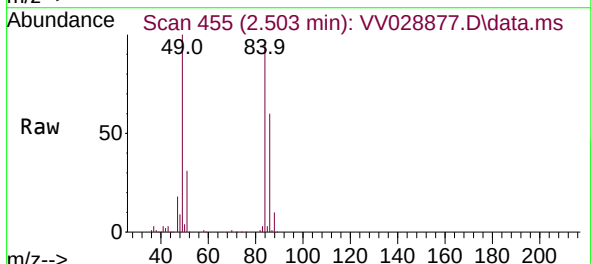
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

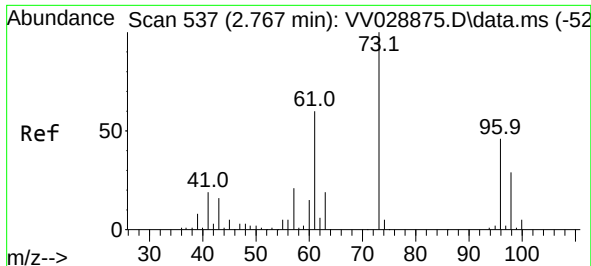
Tgt Ion: 43 Resp: 119095
Ion Ratio Lower Upper
43 100
74 26.1 24.6 37.0



#16
Methylene chloride
Concen: 18.822 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 84 Resp: 433177
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.0
49 105.5 75.5 140.1

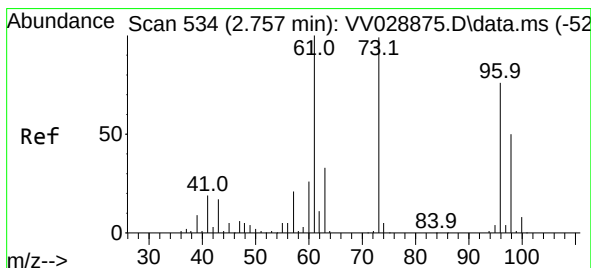
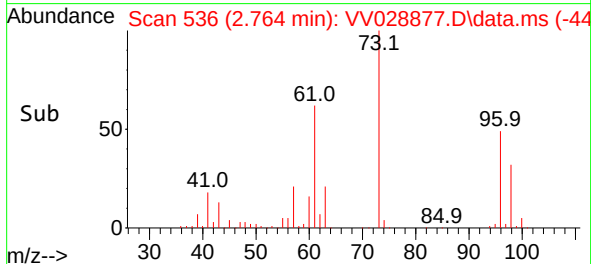
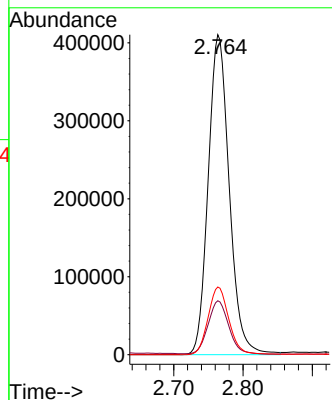
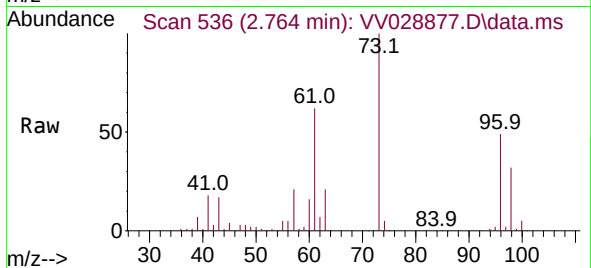




#17
Methyl tert-butyl Ether
Concen: 22.672 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

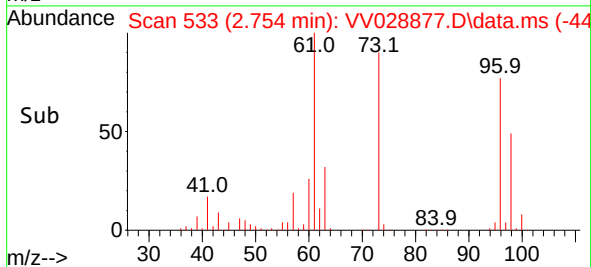
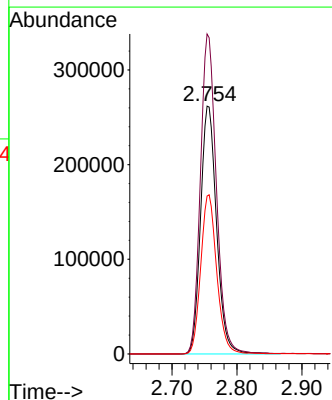
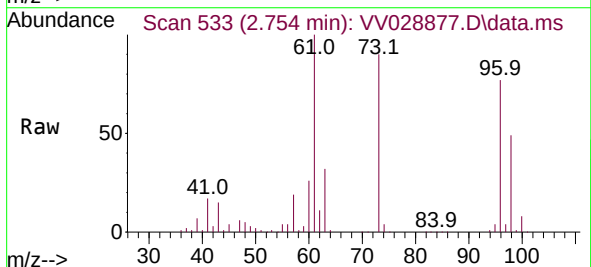
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

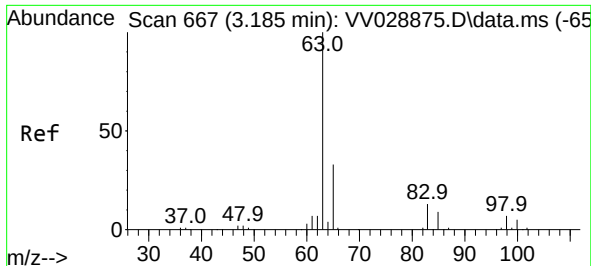
Tgt Ion: 73 Resp: 865150
Ion Ratio Lower Upper
73 100
43 16.2 13.0 19.4
57 20.9 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 21.808 ug/L
RT: 2.754 min Scan# 533
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 96 Resp: 450188
Ion Ratio Lower Upper
96 100
61 129.1 91.8 170.6
98 63.7 46.4 86.2





#19

1,1-Dichloroethane

Concen: 21.876 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

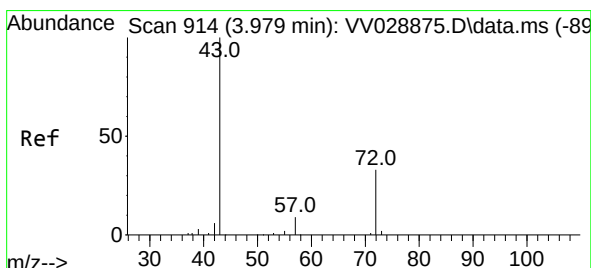
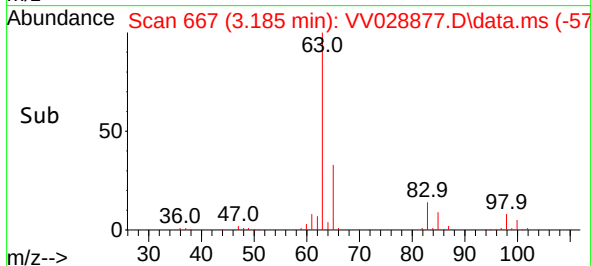
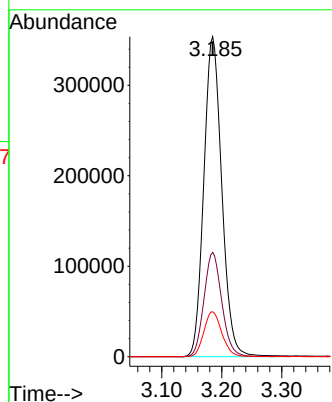
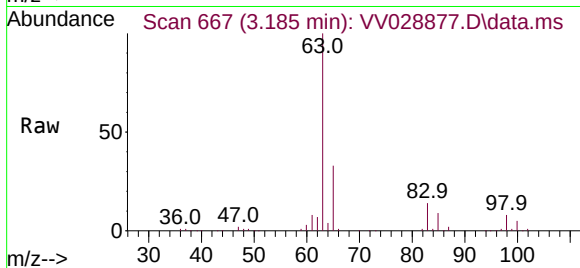
Tgt Ion: 63 Resp: 738248

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.6

83 14.1 9.4 17.6



#21

2-Butanone

Concen: 198.701 ug/L

RT: 3.966 min Scan# 910

Delta R.T. -0.013 min

Lab File: VV028877.D

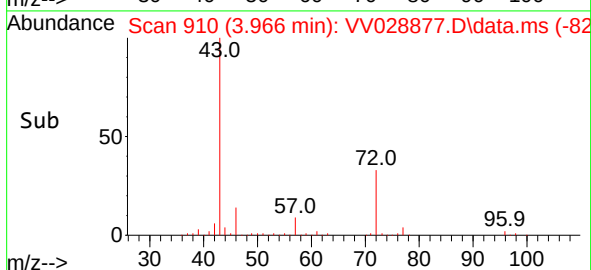
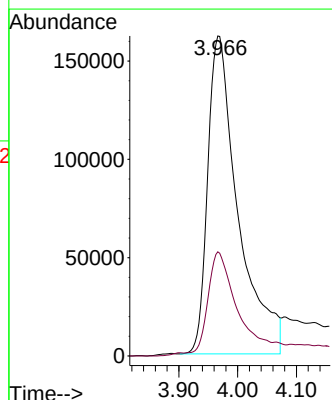
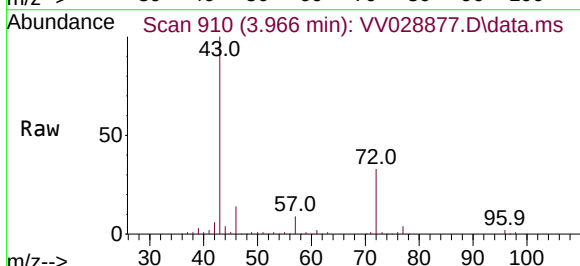
Acq: 11 Nov 2022 15:05

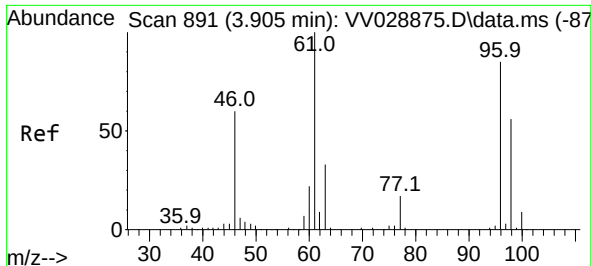
Tgt Ion: 43 Resp: 581193

Ion Ratio Lower Upper

43 100

72 29.4 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 22.872 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

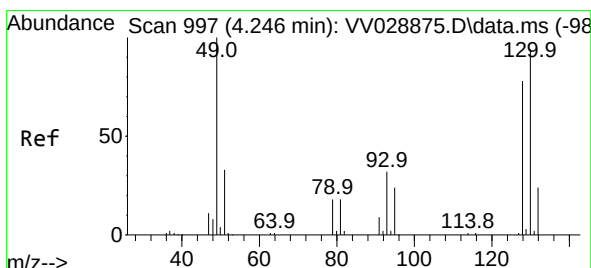
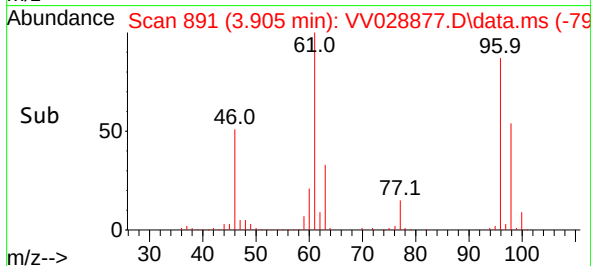
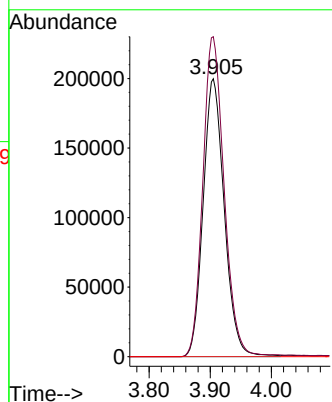
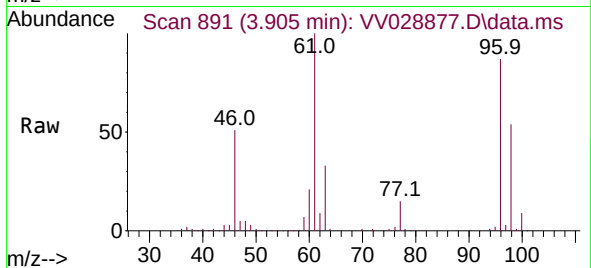
Tgt Ion: 96 Resp: 480001

Ion Ratio Lower Upper

96 100

61 115.1 82.3 152.9

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 22.164 ug/L

RT: 4.243 min Scan# 996

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Tgt Ion: 128 Resp: 196730

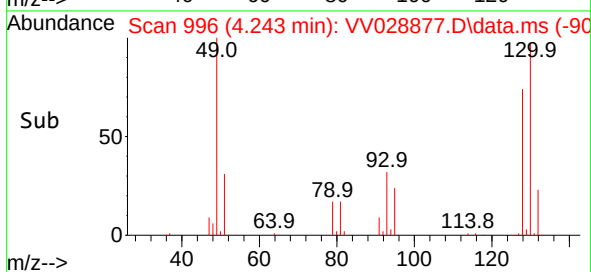
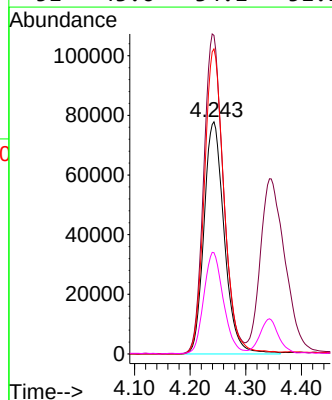
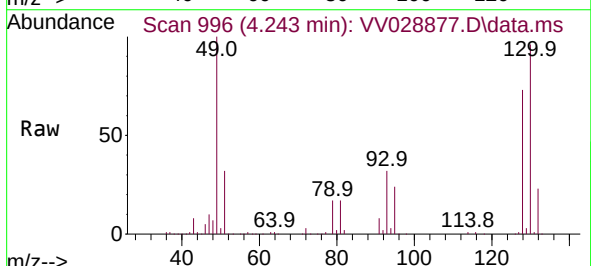
Ion Ratio Lower Upper

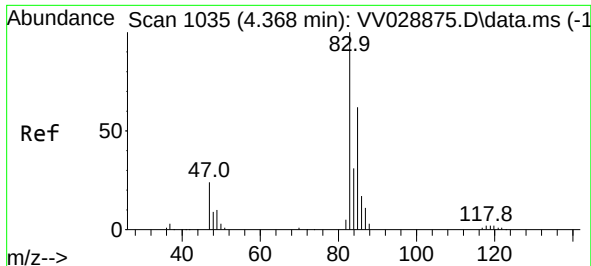
128 100

49 137.2 89.5 166.1

130 131.4 84.4 156.8

51 43.6 34.1 51.1

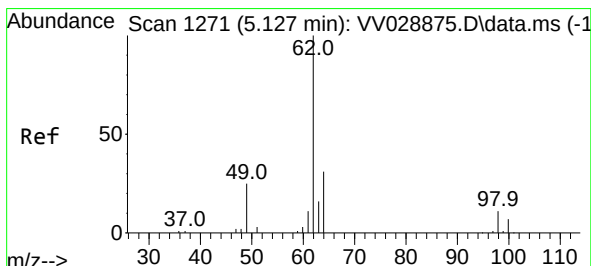
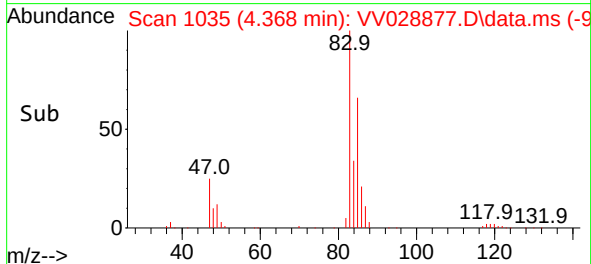
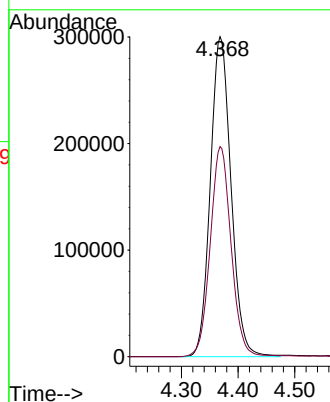
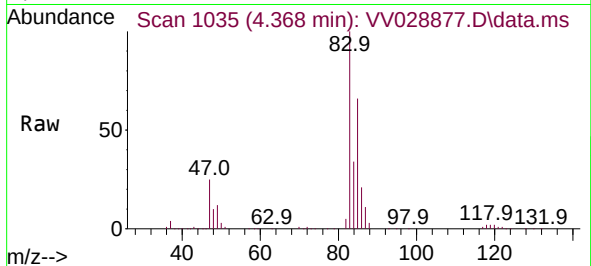




#25
Chloroform
Concen: 21.532 ug/L
RT: 4.368 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

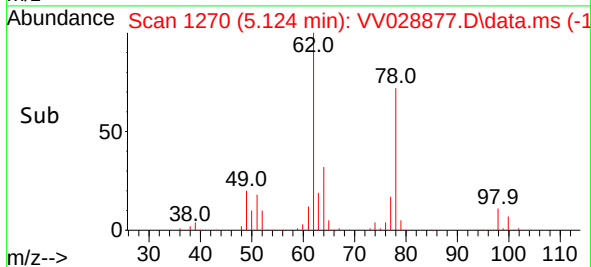
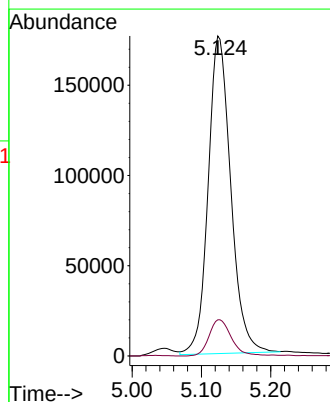
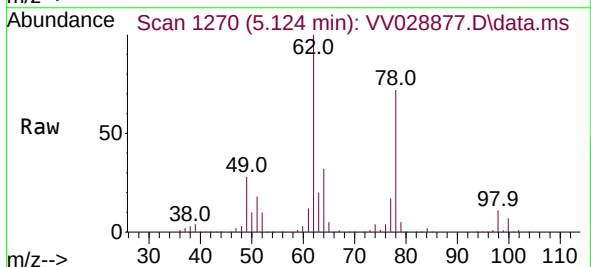
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

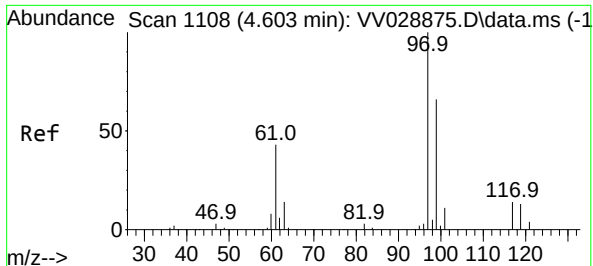
Tgt Ion: 83 Resp: 761746
Ion Ratio Lower Upper
83 100
85 65.7 43.7 81.1



#27
1,2-Dichloroethane
Concen: 21.872 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 62 Resp: 398532
Ion Ratio Lower Upper
62 100
98 11.3 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 22.021 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

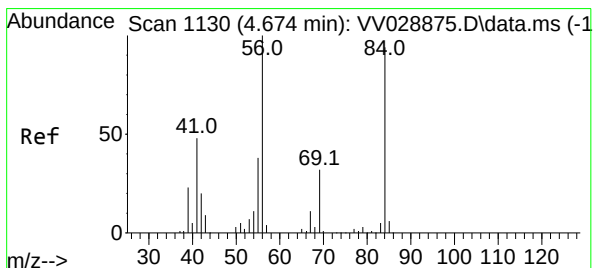
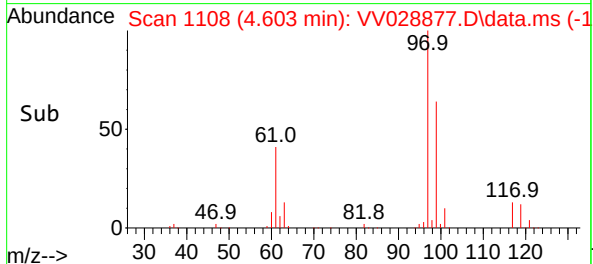
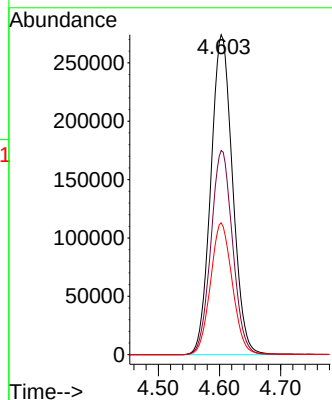
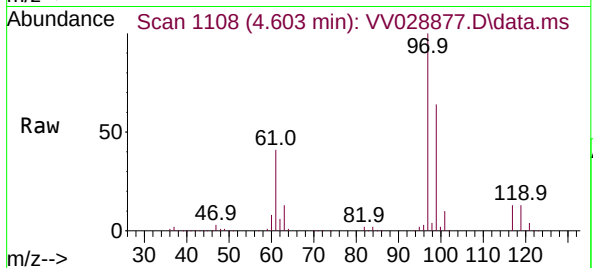
Tgt Ion: 97 Resp: 677605

Ion Ratio Lower Upper

97 100

99 63.9 52.7 79.1

61 41.3 33.8 50.6



#30

Cyclohexane

Concen: 22.682 ug/L

RT: 4.673 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

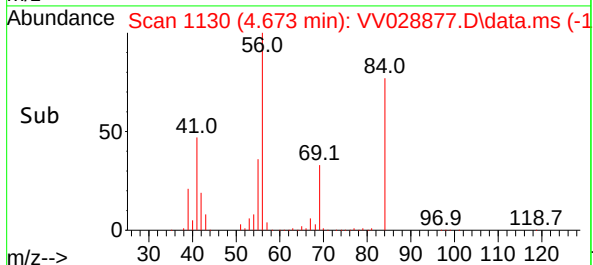
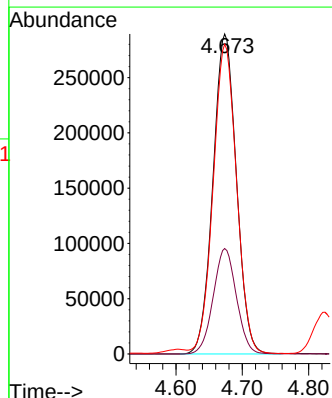
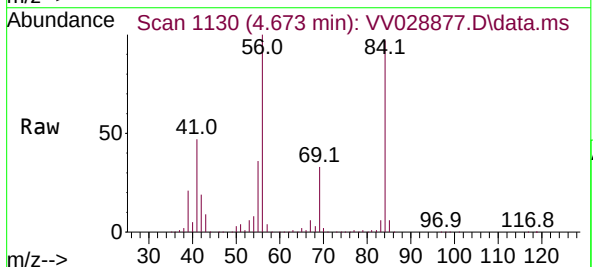
Tgt Ion: 56 Resp: 709366

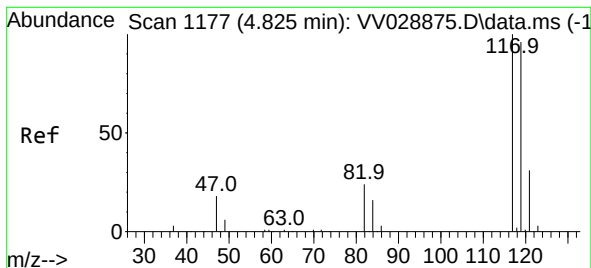
Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

84 96.7 77.9 116.9





#31

Carbon tetrachloride

Concen: 22.274 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

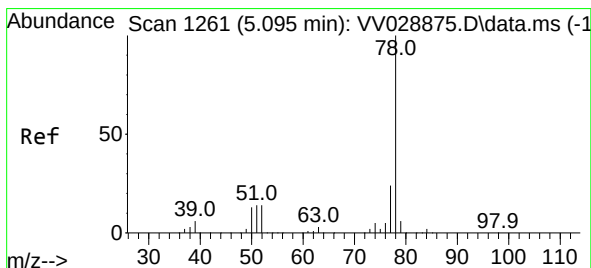
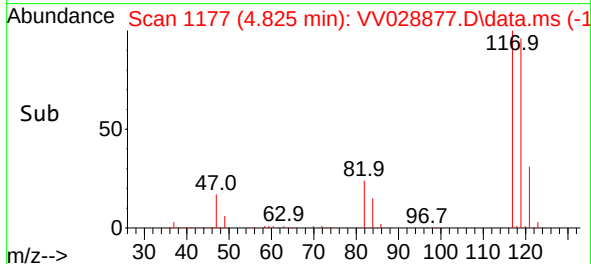
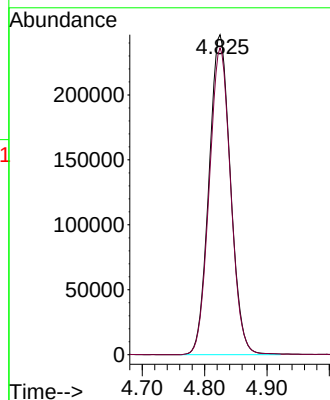
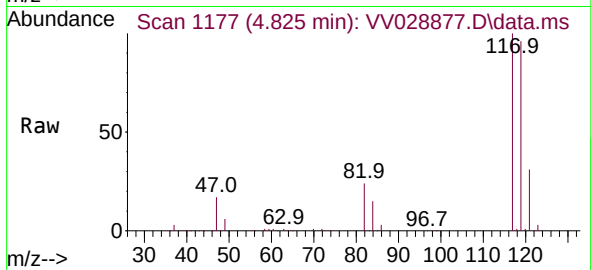
VSTD020201

Tgt Ion:117 Resp: 590228

Ion Ratio Lower Upper

117 100

119 95.6 77.0 115.6



#33

Benzene

Concen: 22.174 ug/L

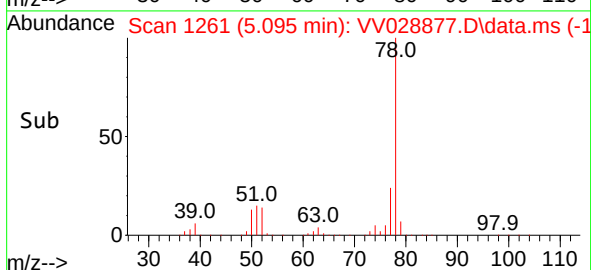
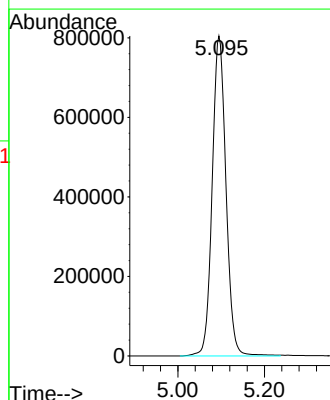
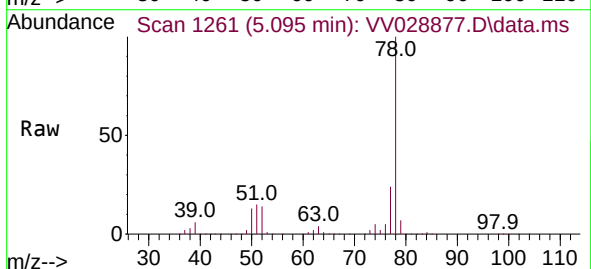
RT: 5.095 min Scan# 1261

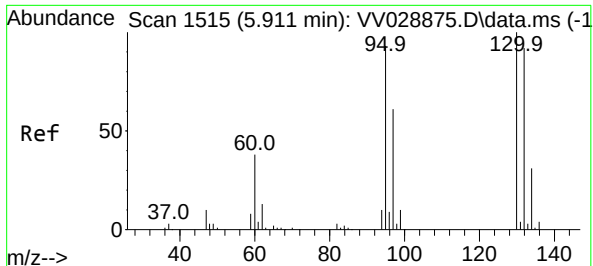
Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Tgt Ion: 78 Resp: 1776842

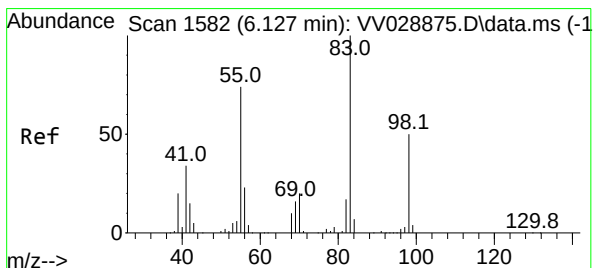
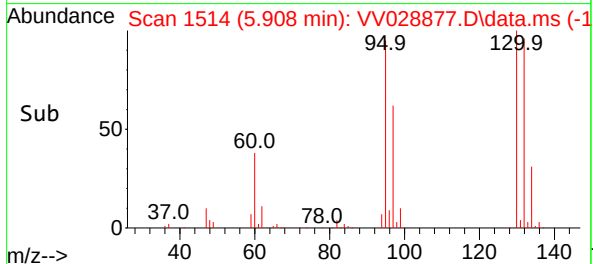
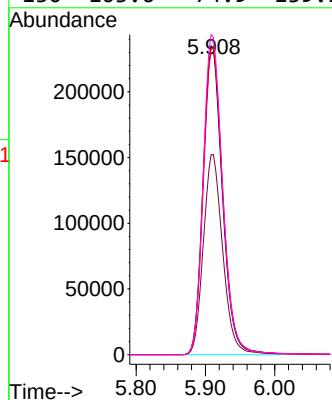
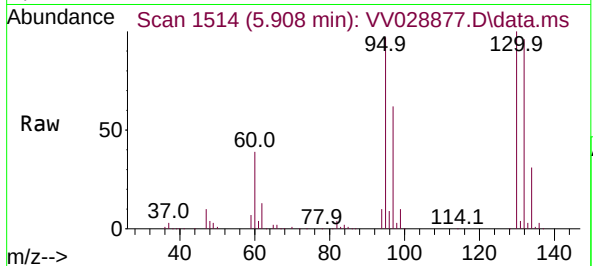




#34
Trichloroethene
Concen: 22.192 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

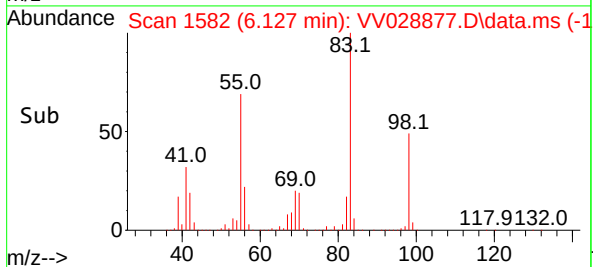
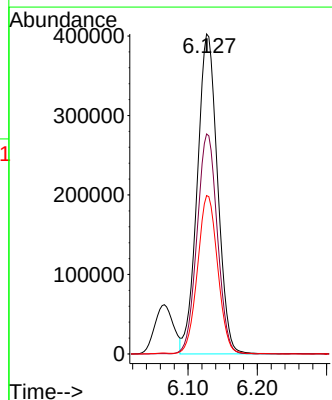
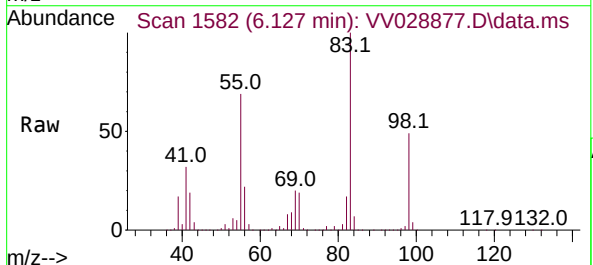
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

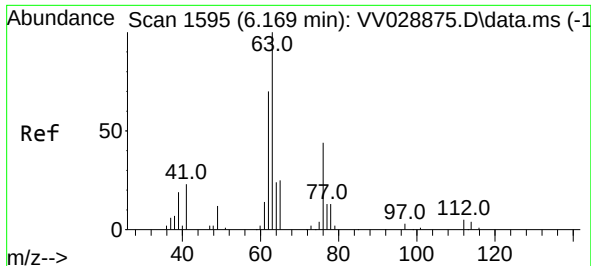
Tgt Ion: 95 Resp: 455256
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 99.0 69.1 128.3
130 103.6 74.9 139.1



#35
Methylcyclohexane
Concen: 22.686 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 83 Resp: 817919
Ion Ratio Lower Upper
83 100
55 68.6 55.8 83.6
98 49.2 38.2 57.2





#37

1,2-Dichloropropane

Concen: 22.025 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

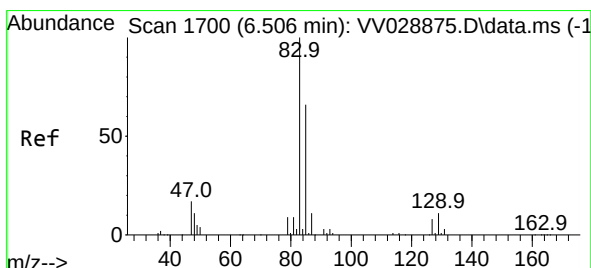
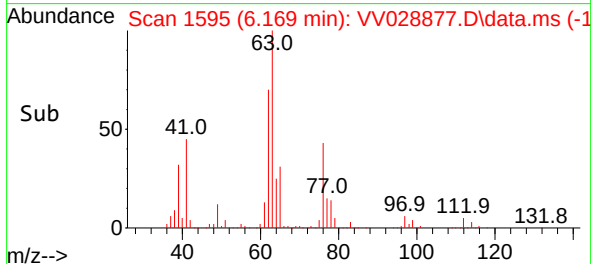
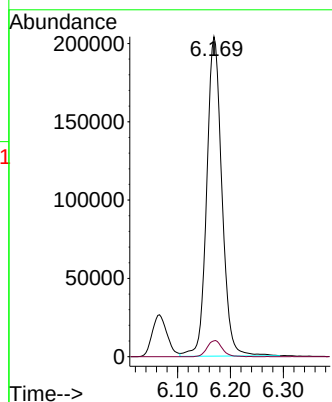
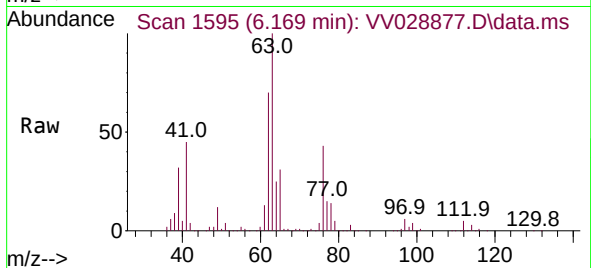
VSTD020201

Tgt Ion: 63 Resp: 406992

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#38

Bromodichloromethane

Concen: 22.084 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

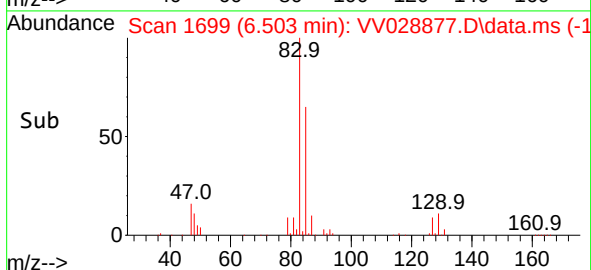
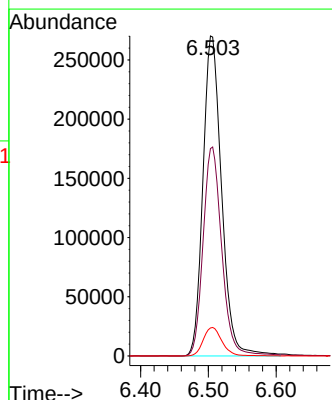
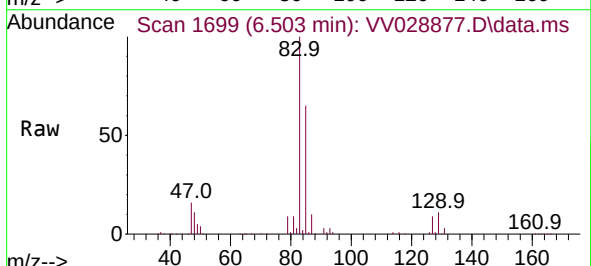
Tgt Ion: 83 Resp: 516794

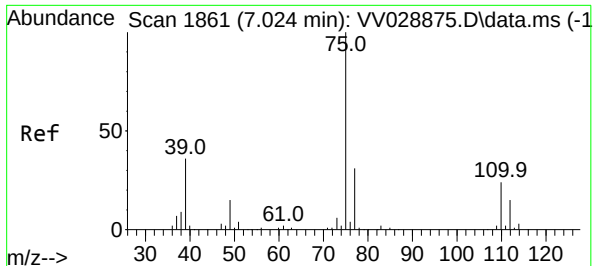
Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.5

127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 23.981 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

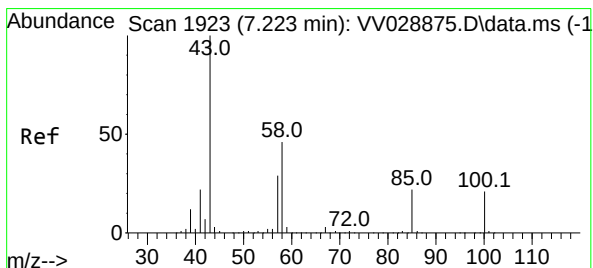
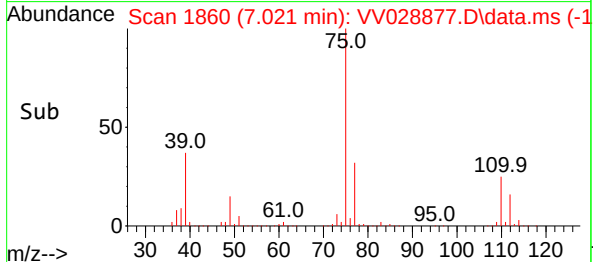
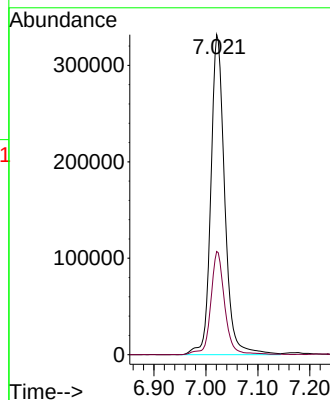
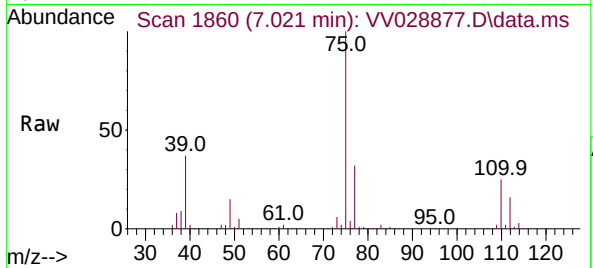
VSTD020201

Tgt Ion: 75 Resp: 618643

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 224.245 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

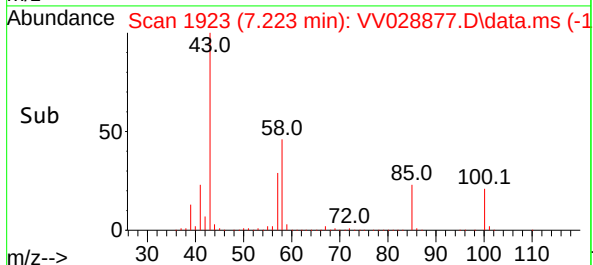
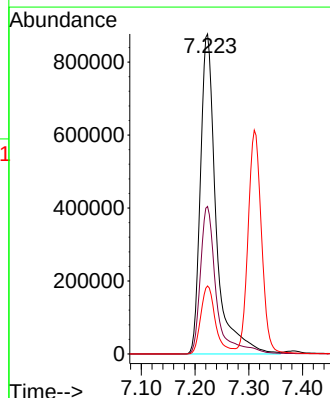
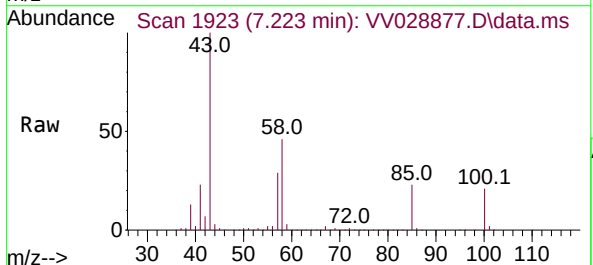
Tgt Ion: 43 Resp: 1779549

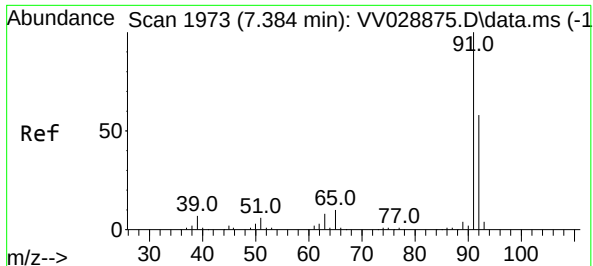
Ion Ratio Lower Upper

43 100

58 47.0 36.6 55.0

100 20.1 14.5 21.7





#42

Toluene

Concen: 21.258 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

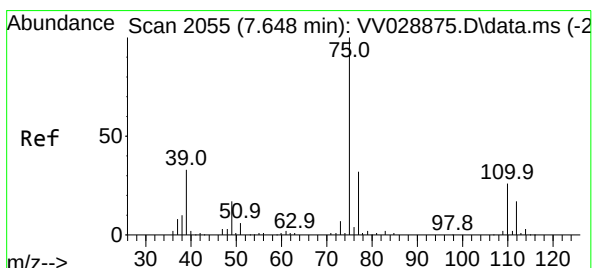
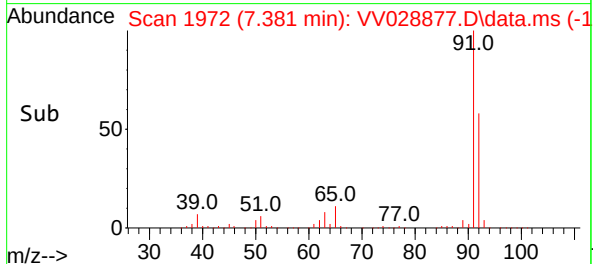
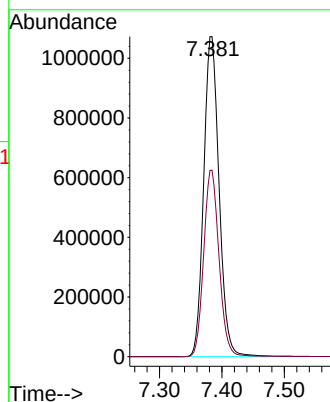
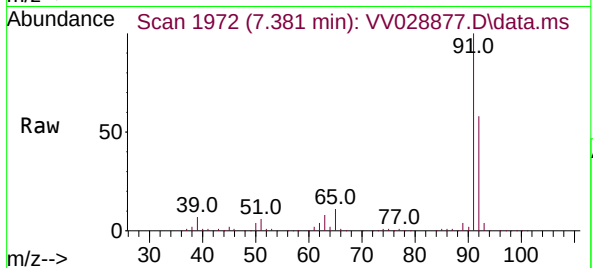
VSTD020201

Tgt Ion: 91 Resp: 1840283

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 23.771 ug/L

RT: 7.644 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV028877.D

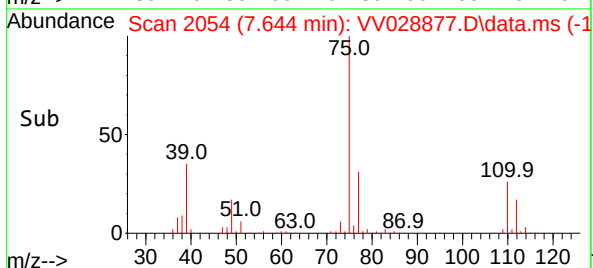
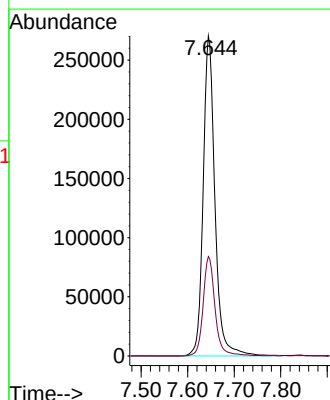
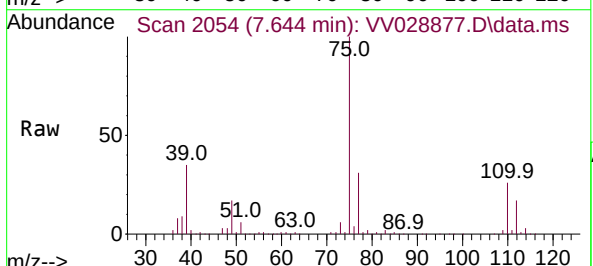
Acq: 11 Nov 2022 15:05

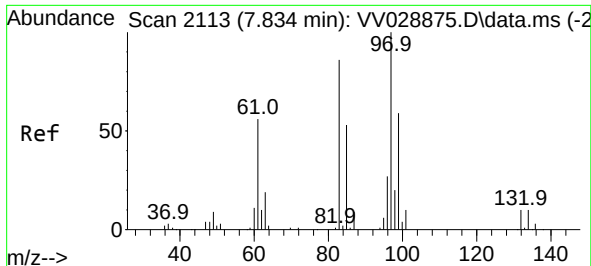
Tgt Ion: 75 Resp: 476055

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2



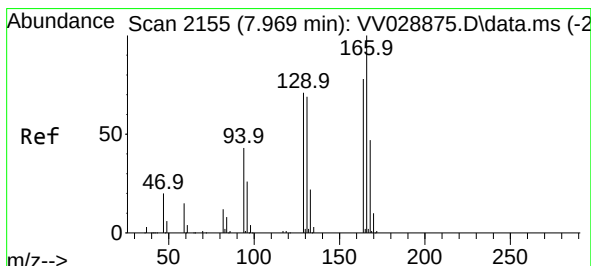
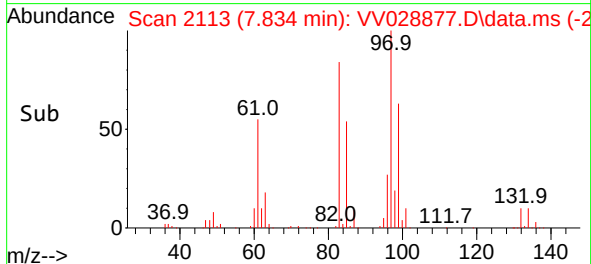
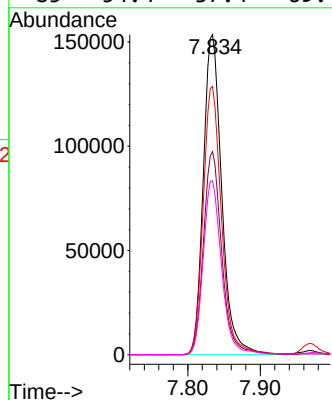
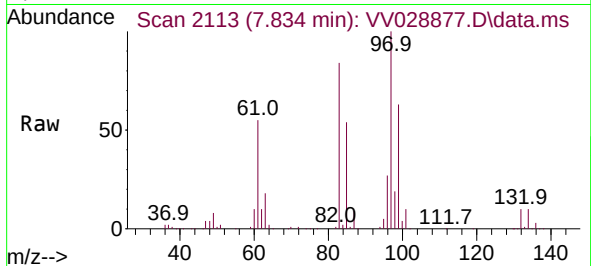


#45
1,1,2-Trichloroethane
Concen: 22.438 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

Tgt Ion: 97 Resp: 271419

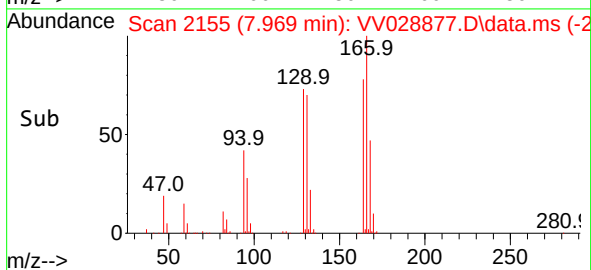
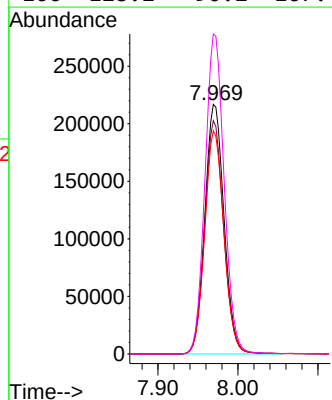
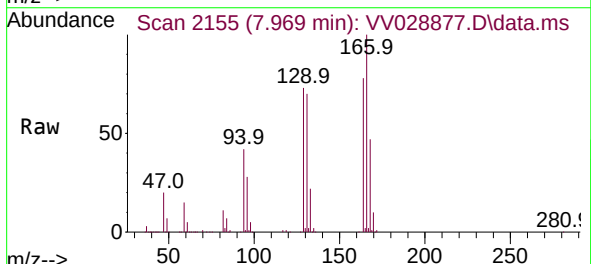
Ion	Ratio	Lower	Upper
97	100		
99	63.4	41.5	77.1
83	83.8	60.0	111.4
85	54.4	37.4	69.4

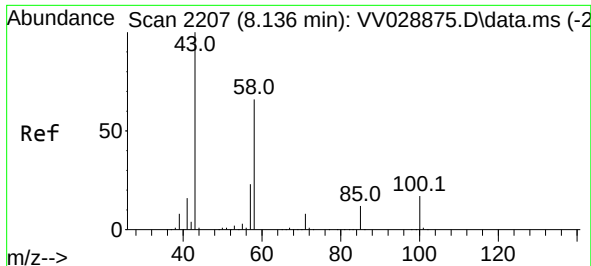


#47
Tetrachloroethene
Concen: 22.151 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 164 Resp: 363858

Ion	Ratio	Lower	Upper
164	100		
129	93.5	63.9	118.7
131	89.4	61.8	114.8
166	128.2	90.2	167.4



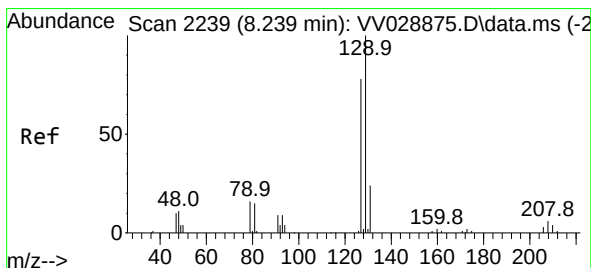
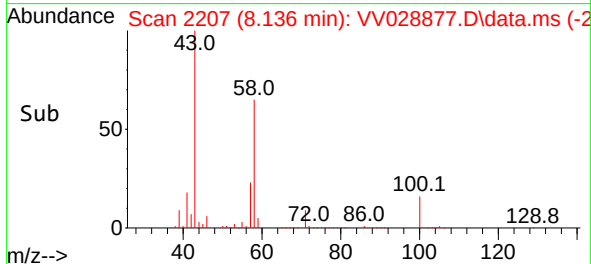
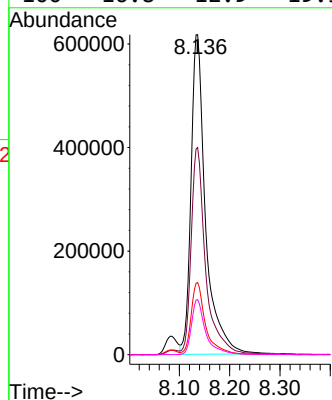
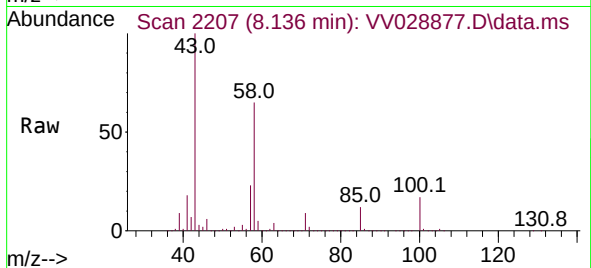


#48
2-Hexanone
Concen: 224.764 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

Tgt Ion: 43 Resp: 1243215

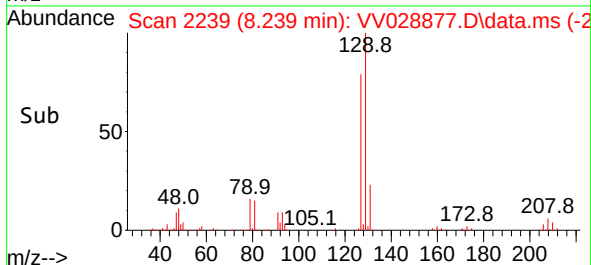
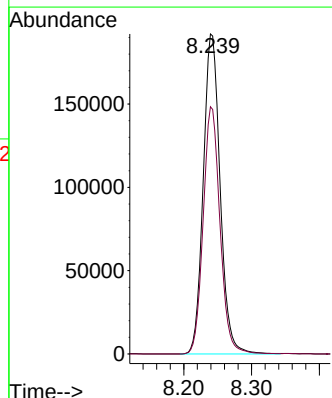
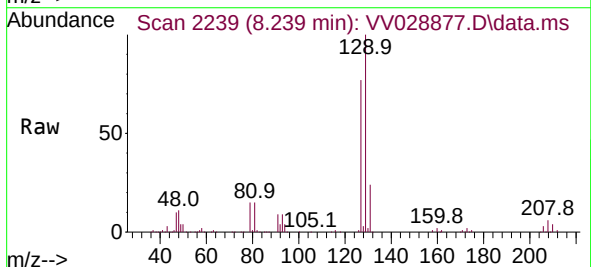
Ion	Ratio	Lower	Upper
43	100		
58	64.4	50.2	75.4
57	22.4	17.8	26.8
100	16.8	12.9	19.3

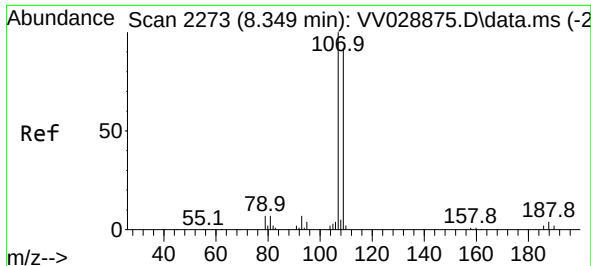


#49
Dibromochloromethane
Concen: 22.702 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 129 Resp: 332006

Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.5	101.1





#50

1,2-Dibromoethane

Concen: 22.188 ug/L

RT: 8.345 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

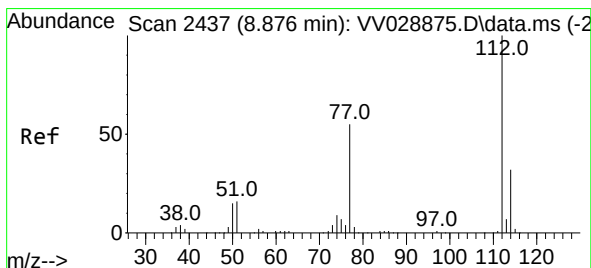
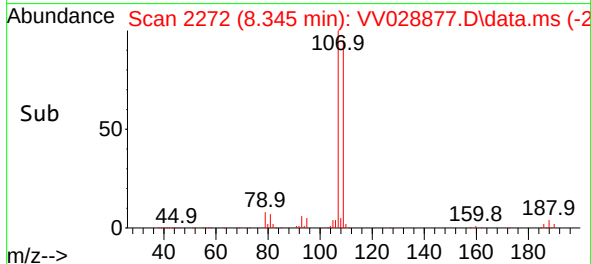
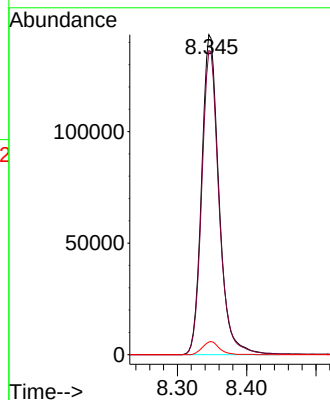
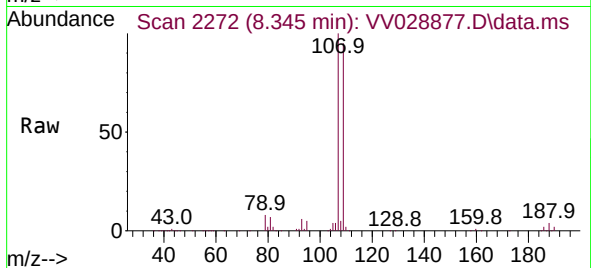
Tgt Ion:107 Resp: 249345

Ion Ratio Lower Upper

107 100

109 95.0 64.4 119.6

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 21.974 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

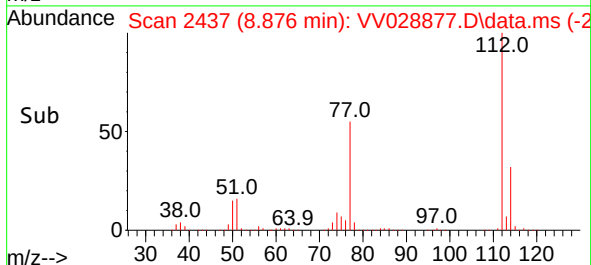
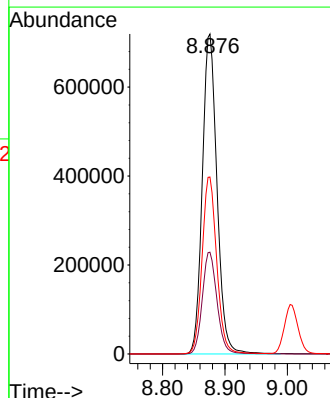
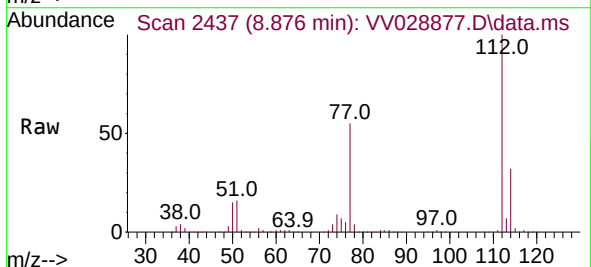
Tgt Ion:112 Resp: 1176180

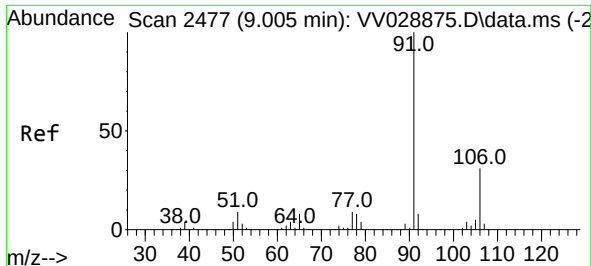
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 55.3 44.4 66.6

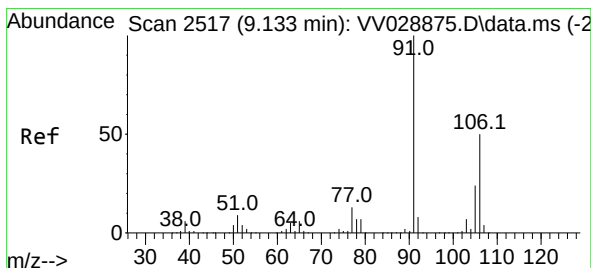
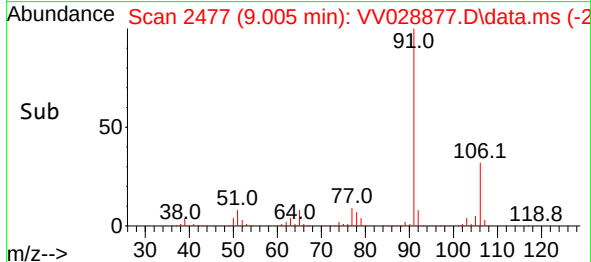
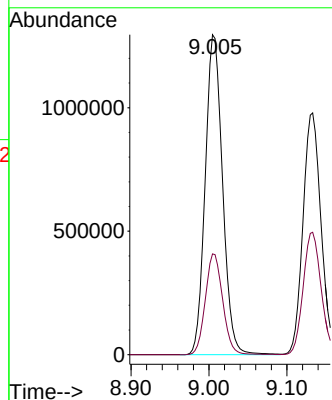
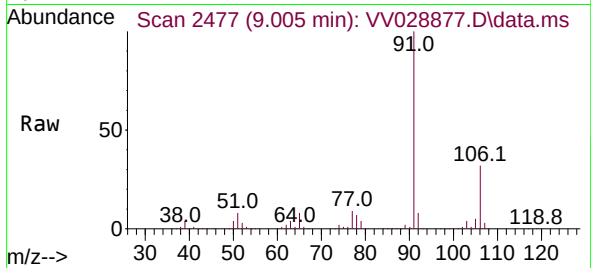




#52
Ethylbenzene
Concen: 22.244 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

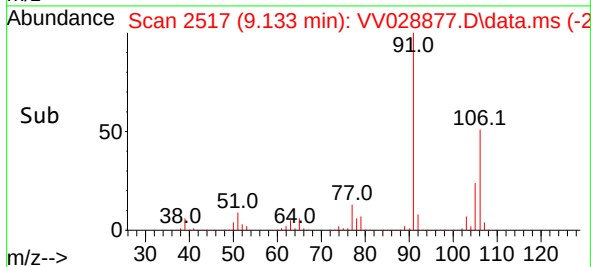
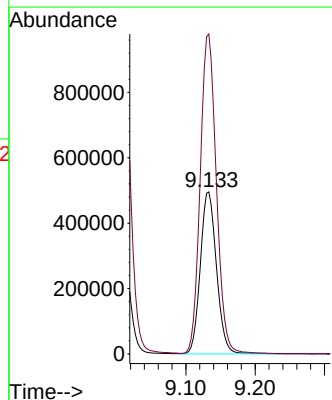
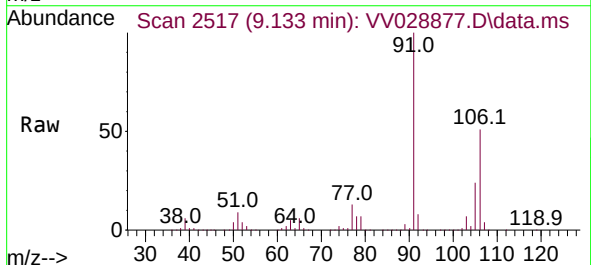
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

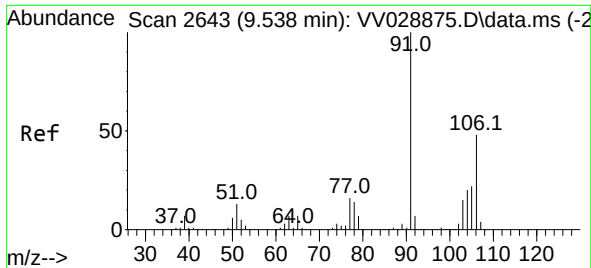
Tgt Ion: 91 Resp: 2004761
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.2



#53
m,p-Xylene
Concen: 22.341 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 106 Resp: 800794
Ion Ratio Lower Upper
106 100
91 197.4 139.1 258.3

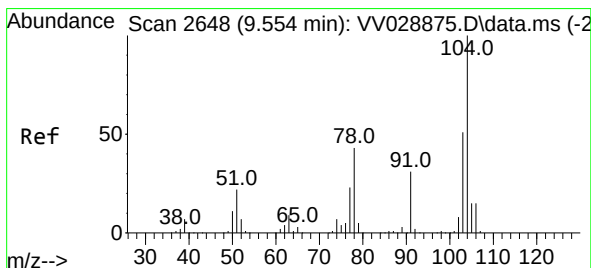
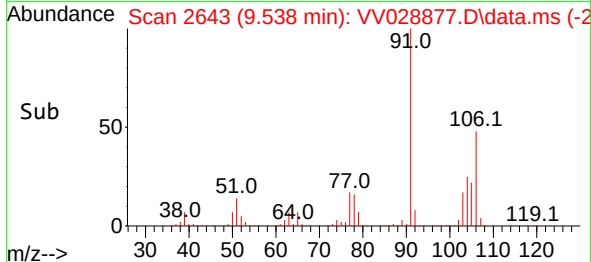
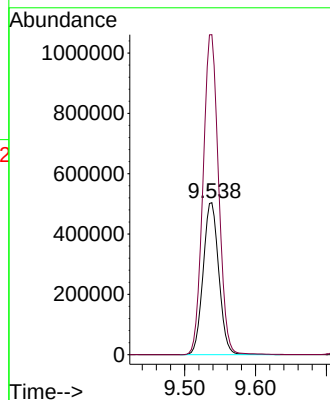
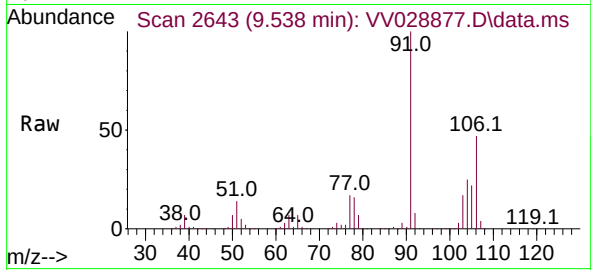




#54
o-Xylene
Concen: 22.695 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

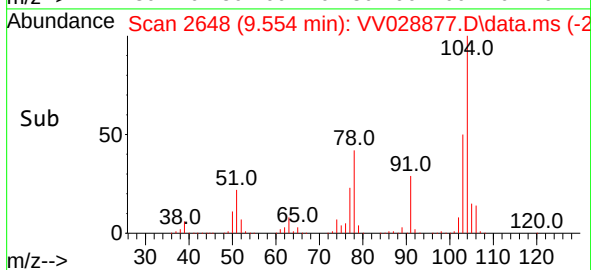
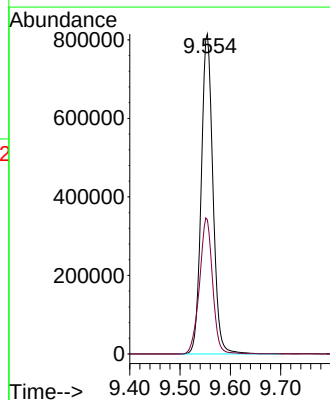
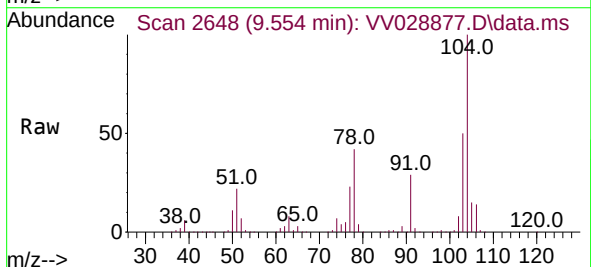
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

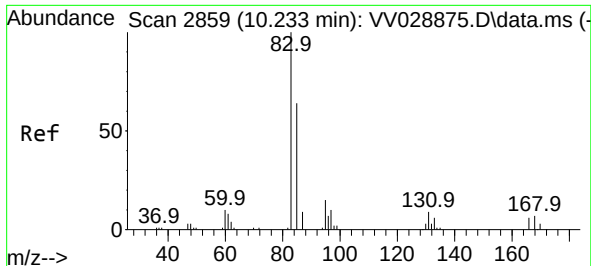
Tgt Ion:106 Resp: 773297
Ion Ratio Lower Upper
106 100
91 210.6 145.7 270.7



#55
Styrene
Concen: 23.151 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion:104 Resp: 1323118
Ion Ratio Lower Upper
104 100
78 41.9 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 21.968 ug/L

RT: 10.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

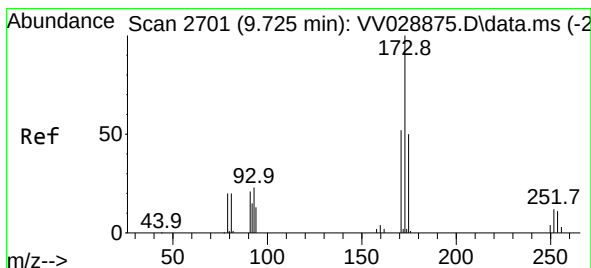
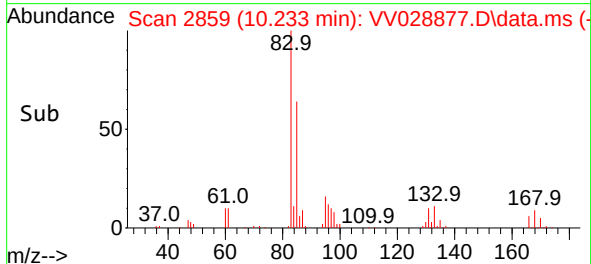
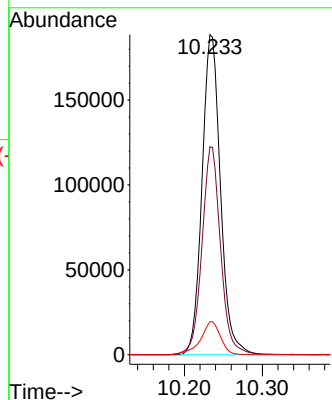
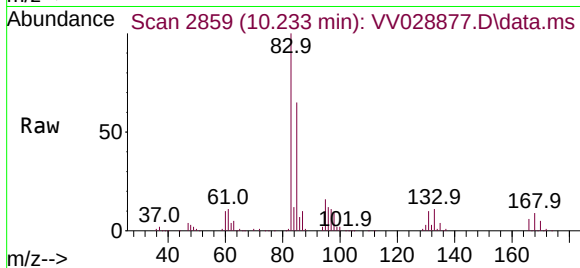
Tgt Ion: 83 Resp: 309728

Ion Ratio Lower Upper

83 100

85 65.0 45.2 84.0

131 10.3 7.5 11.3



#59

Bromoform

Concen: 22.338 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

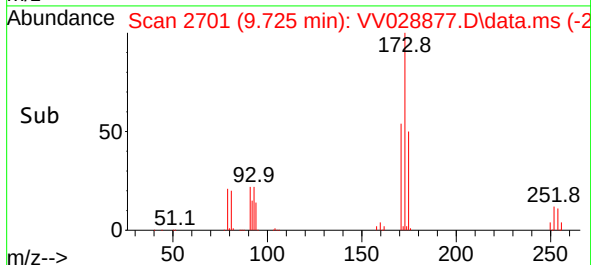
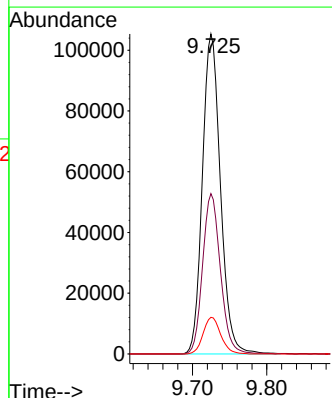
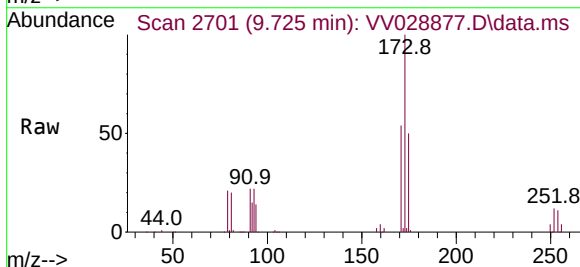
Tgt Ion: 173 Resp: 177928

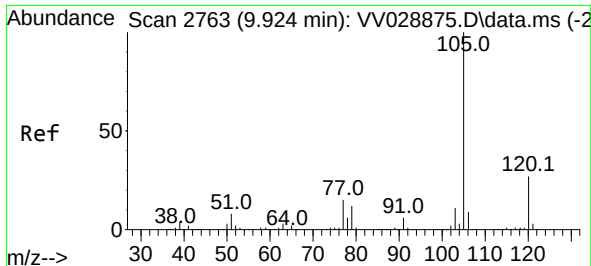
Ion Ratio Lower Upper

173 100

175 49.4 38.2 57.4

254 11.2 8.5 12.7

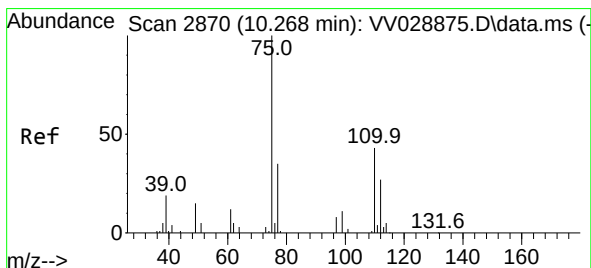
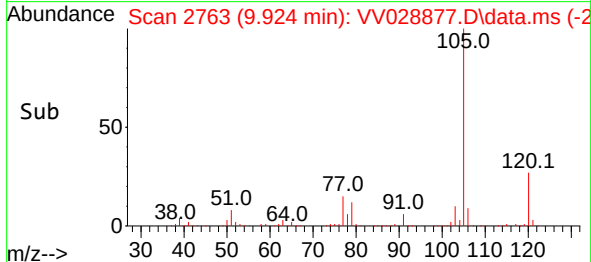
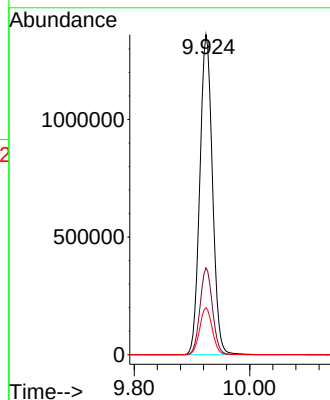
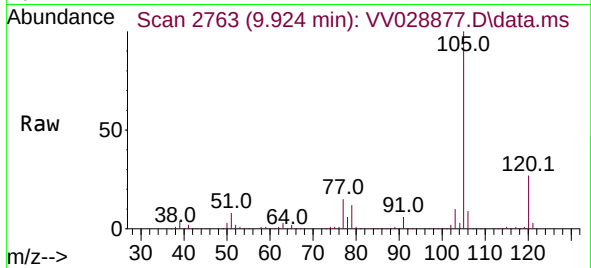




#60
Isopropylbenzene
Concen: 21.740 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

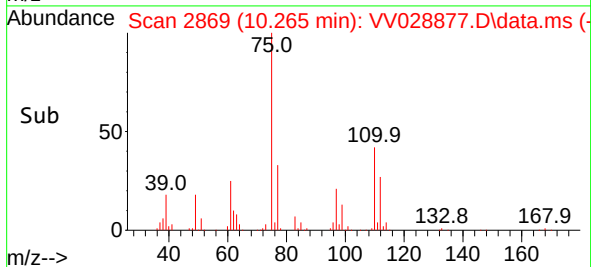
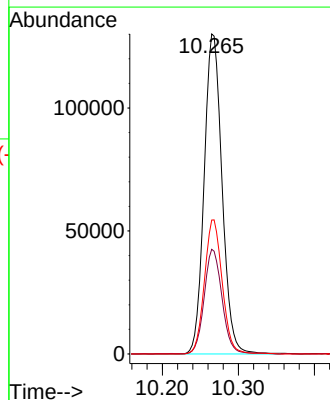
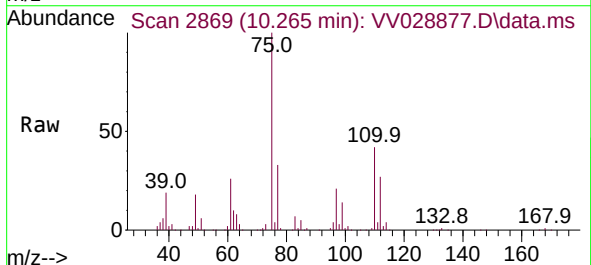
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

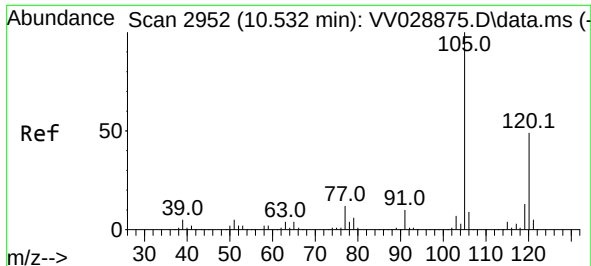
Tgt Ion:105 Resp: 2061783
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 14.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 21.337 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.003 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion: 75 Resp: 213045
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2
110 41.5 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 22.314 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

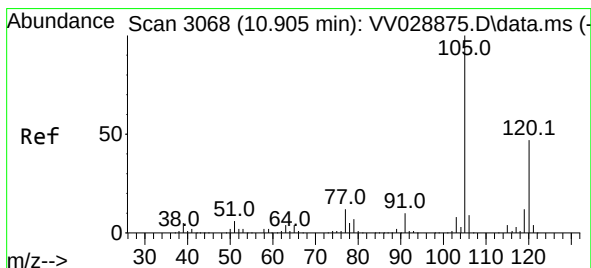
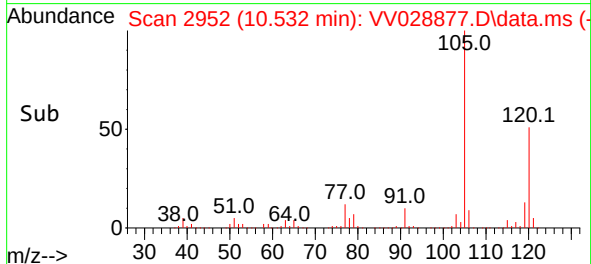
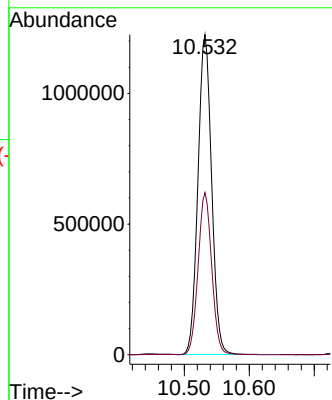
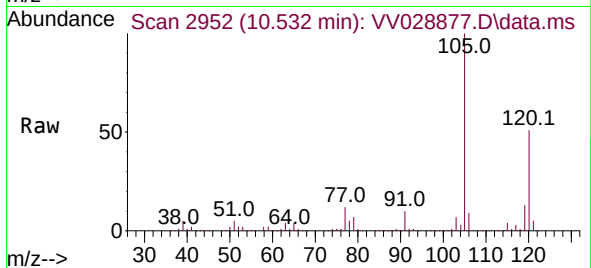
VSTD020201

Tgt Ion:105 Resp: 1792714

Ion Ratio Lower Upper

105 100

120 50.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 22.478 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028877.D

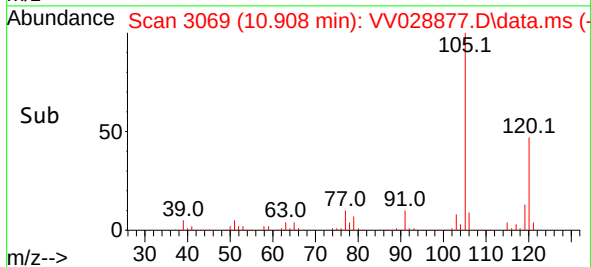
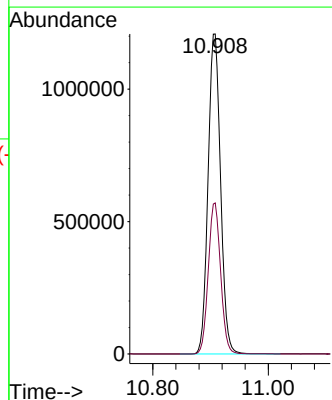
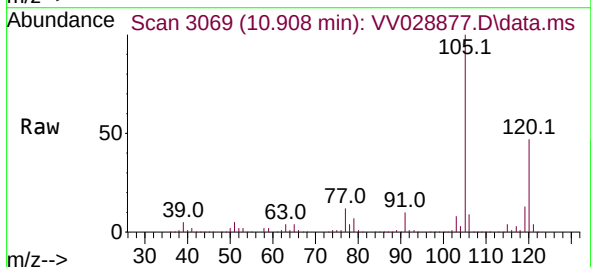
Acq: 11 Nov 2022 15:05

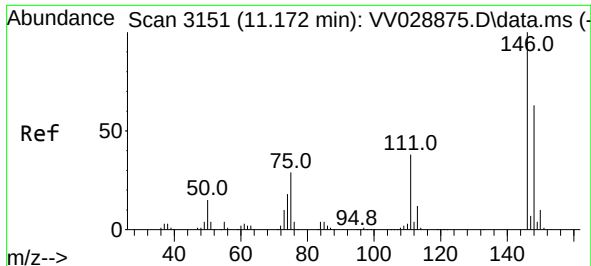
Tgt Ion:105 Resp: 1809027

Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8

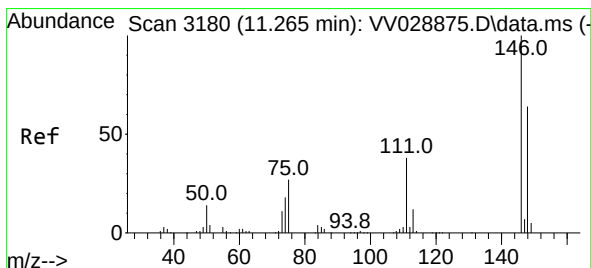
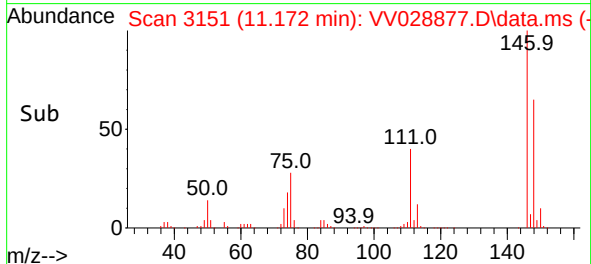
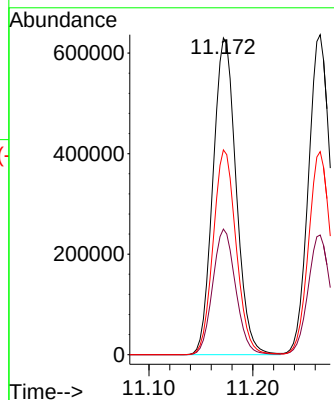
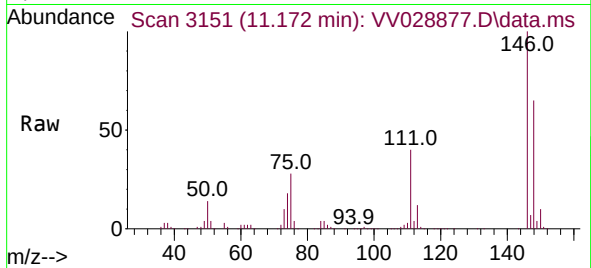




#64
1,3-Dichlorobenzene
Concen: 21.915 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

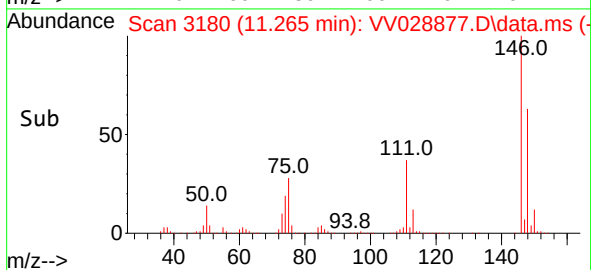
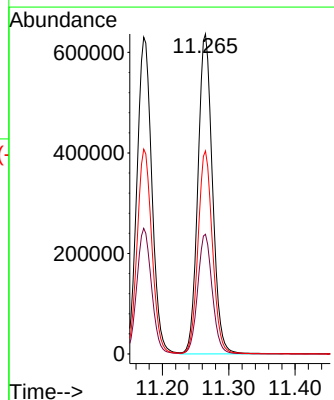
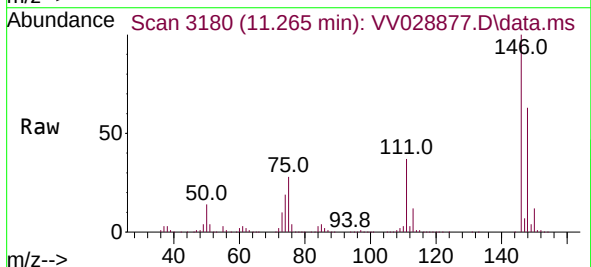
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

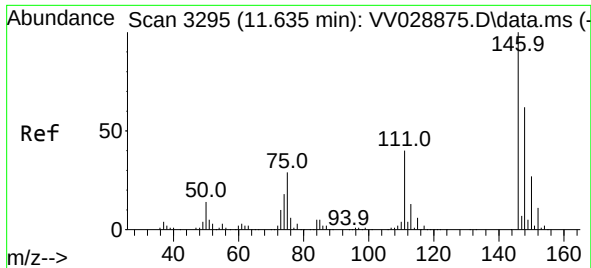
Tgt Ion:146 Resp: 976527
Ion Ratio Lower Upper
146 100
111 39.7 26.9 50.1
148 64.6 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 21.637 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

Tgt Ion:146 Resp: 969276
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.3
148 63.4 44.5 82.7

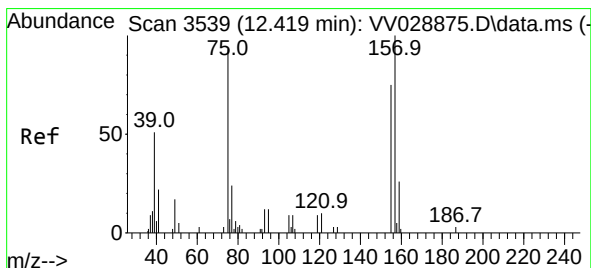
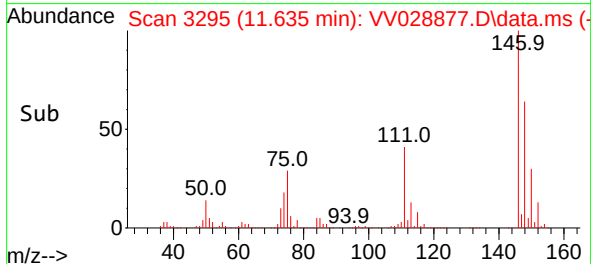
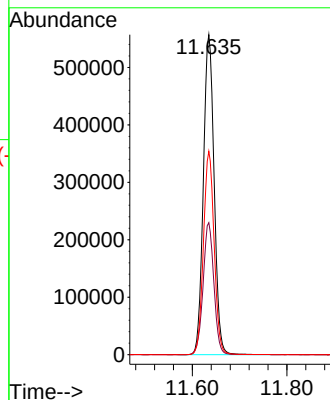
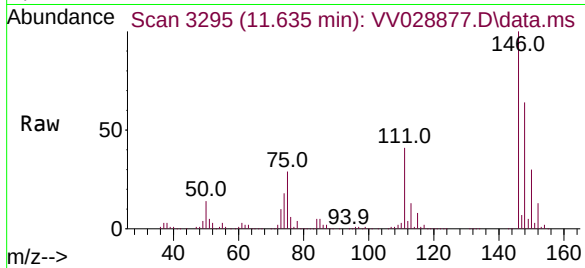




#67
1,2-Dichlorobenzene
Concen: 22.008 ug/L
RT: 11.635 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

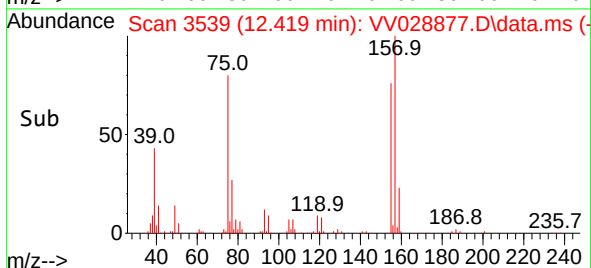
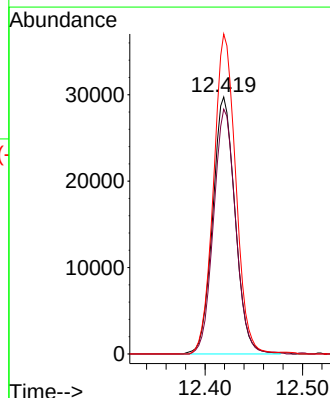
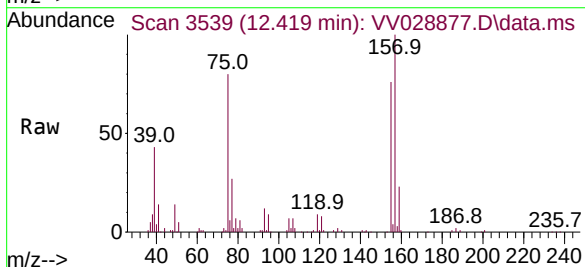
Instrument :
MSVOA_V
ClientSampleId :
VSTD020201

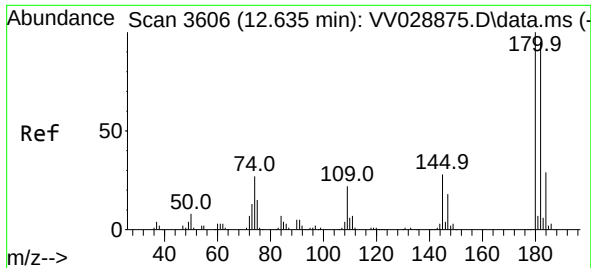
Tgt Ion:146 Resp: 881103
Ion Ratio Lower Upper
146 100
111 41.3 32.4 48.6
148 63.5 49.4 74.2



#68
1,2-Dibromo-3-chloropropane
Concen: 24.192 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VV028877.D
Acq: 11 Nov 2022 15:05

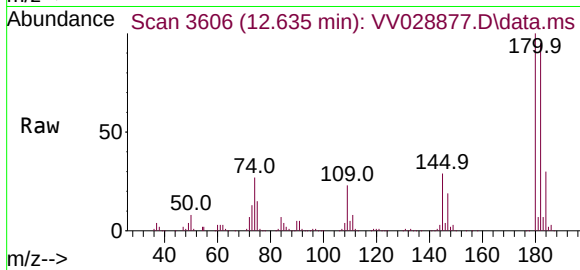
Tgt Ion: 75 Resp: 47527
Ion Ratio Lower Upper
75 100
155 95.2 64.8 97.2
157 124.5 86.3 129.5



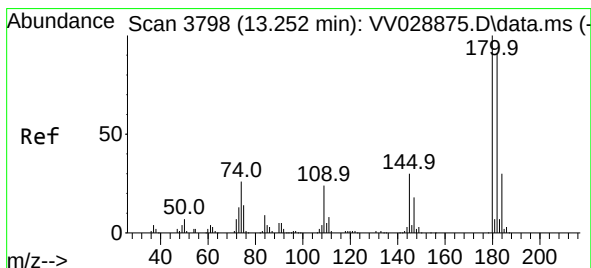
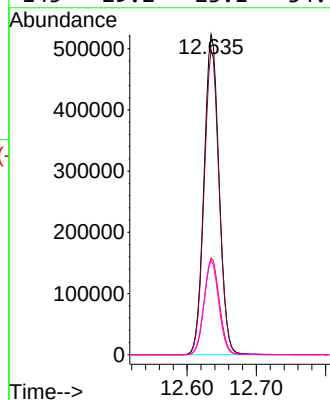
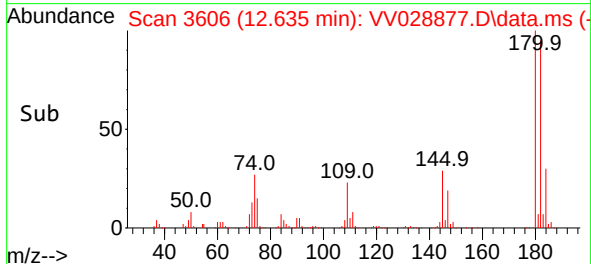


#69
 1,3,5-Trichlorobenzene
 Concen: 22.928 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05

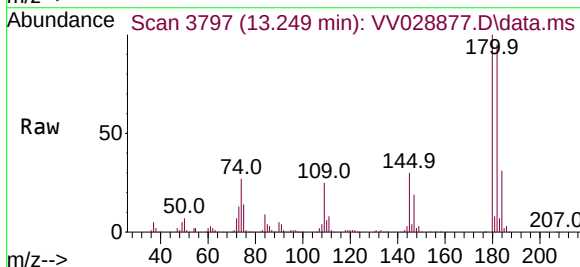
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020201



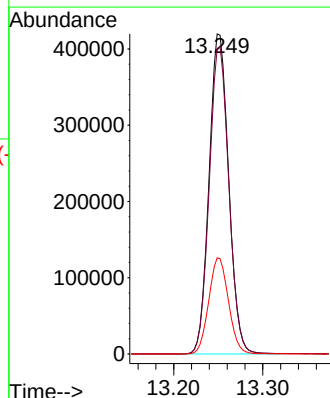
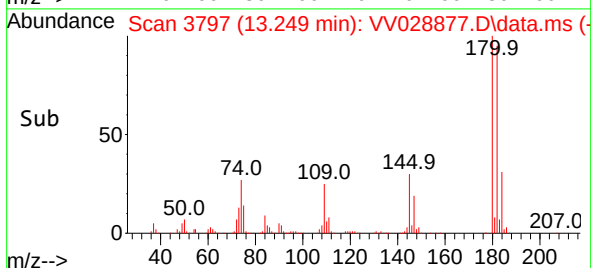
Tgt Ion:180 Resp: 788245
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 184 30.3 24.0 36.0
 145 29.2 23.1 34.7

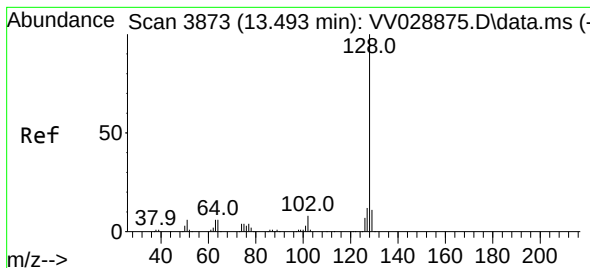


#70
 1,2,4-trichlorobenzene
 Concen: 24.670 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.003 min
 Lab File: VV028877.D
 Acq: 11 Nov 2022 15:05



Tgt Ion:180 Resp: 641507
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.3 111.5
 145 30.2 23.7 35.5





#71

Naphthalene

Concen: 27.592 ug/L

RT: 13.493 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD020201

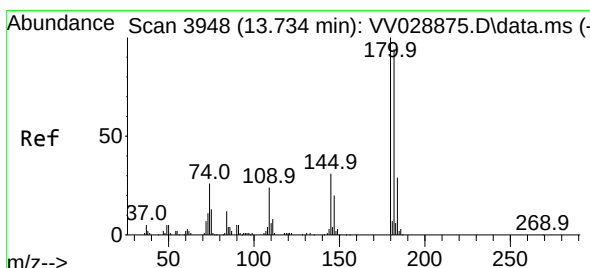
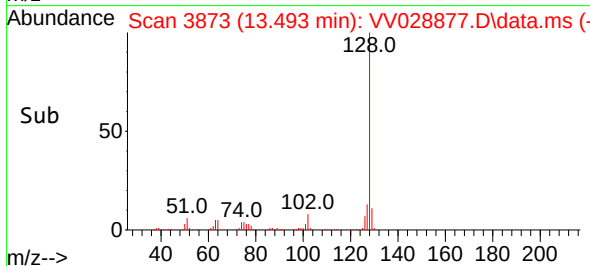
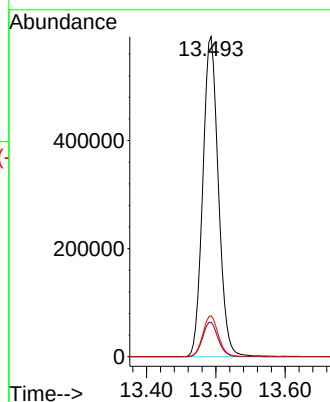
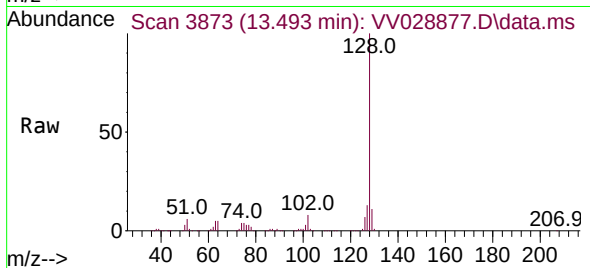
Tgt Ion:128 Resp: 925779

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.8 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 24.666 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.003 min

Lab File: VV028877.D

Acq: 11 Nov 2022 15:05

Tgt Ion:180 Resp: 543229

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 31.8 24.9 37.3

