

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100722\
 Data File : VW028427.D
 Acq On : 07 Oct 2022 23:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Quant Time: Oct 07 23:52:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 07 23:51:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	398036	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	358554	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	186410	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	127064	41.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.740%
7) Chloroethane-d5	1.565	69	105422	43.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.580%
11) 1,1-Dichloroethene-d2	2.105	63	221058	42.291	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.580%
21) 2-Butanone-d5	3.899	46	282887	105.218	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.220%
24) Chloroform-d	4.343	84	273936	48.632	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.260%
26) 1,2-Dichloroethane-d4	5.027	65	180832	49.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.043	84	552875	48.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.240%
36) 1,2-Dichloropropane-d6	6.066	67	180717	48.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.480%
41) Toluene-d8	7.310	98	499920	48.600	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.616	79	91206	47.768	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.540%
47) 2-Hexanone-d5	8.085	63	204736	100.472	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.470%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	245243	47.843	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.680%
66) 1,2-Dichlorobenzene-d4	11.616	152	187976	48.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	141366	47.170	ug/L	99
3) Chloromethane	1.240	50	146691	43.479	ug/L	98
5) Vinyl chloride	1.307	62	144702	42.737	ug/L	99
6) Bromomethane	1.520	94	61390	39.764	ug/L	99
8) Chloroethane	1.584	64	86760	42.212	ug/L	97
9) Trichlorofluoromethane	1.751	101	194134	46.395	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	98356	41.474	ug/L	96
12) 1,1-Dichloroethene	2.114	96	99607	42.784	ug/L	96
13) Acetone	2.208	43	83228	39.962	ug/L	98
14) Carbon disulfide	2.288	76	334815	44.968	ug/L	100
15) Methyl Acetate	2.436	43	167261	47.566	ug/L	99
16) Methylene chloride	2.503	84	139565	46.130	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	122059	44.948	ug/L	97
18) Methyl tert-butyl Ether	2.764	73	471509	47.232	ug/L	99
19) 1,1-Dichloroethane	3.185	63	251808	45.393	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	143910	46.519	ug/L	97
22) 2-Butanone	3.989	43	250942	91.398	ug/L	97
23) Bromochloromethane	4.243	128	72120	47.971	ug/L	96
25) Chloroform	4.368	83	253732	46.852	ug/L	99

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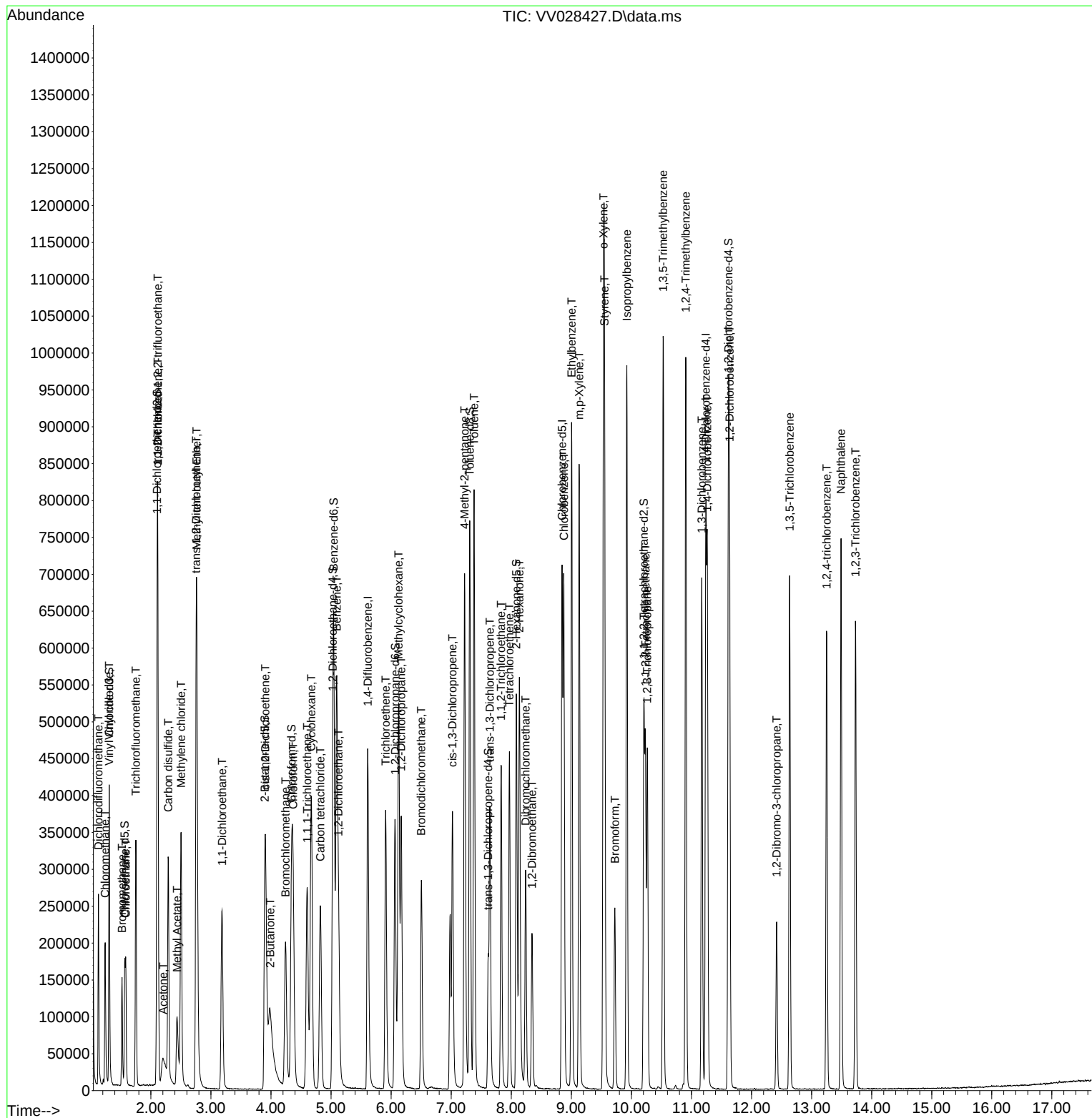
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	195708	47.166	ug/L	100
29) Cyclohexane	4.671	56	229026	44.409	ug/L	97
30) 1,1,1-Trichloroethane	4.603	97	226733	48.950	ug/L	99
31) Carbon tetrachloride	4.822	117	188822	48.698	ug/L	99
33) Benzene	5.095	78	542610	46.013	ug/L	100
34) Trichloroethene	5.908	95	134034	45.817	ug/L	97
35) Methylcyclohexane	6.124	83	225095	44.258	ug/L	99
37) 1,2-Dichloropropane	6.169	63	144975	45.856	ug/L	100
38) Bromodichloromethane	6.503	83	192750	46.796	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	231941	46.116	ug/L	96
40) 4-Methyl-2-pentanone	7.223	43	496112	92.008	ug/L	99
42) Toluene	7.381	91	583709	48.021	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	220089	45.594	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	134653	45.983	ug/L	98
46) Tetrachloroethene	7.969	164	101004	48.051	ug/L	96
48) 2-Hexanone	8.137	43	371010	89.628	ug/L	98
49) Dibromochloromethane	8.240	129	146092	46.413	ug/L	99
50) 1,2-Dibromoethane	8.346	107	138358	45.631	ug/L	97
51) Chlorobenzene	8.876	112	353907	46.407	ug/L	98
52) Ethylbenzene	9.005	91	622241	46.968	ug/L	99
53) m,p-Xylene	9.130	106	232933	46.387	ug/L	97
54) o-Xylene	9.535	106	233714	46.483	ug/L	99
55) Styrene	9.555	104	406823	47.116	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.233	83	222640	44.395	ug/L	99
59) Bromoform	9.725	173	107331	46.495	ug/L	99
60) Isopropylbenzene	9.924	105	619319	46.106	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	178136	44.888	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	532963	45.812	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	525378	45.497	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	267109	45.464	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	267862	45.692	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	272450	45.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	55867	46.003	ug/L	96
69) 1,3,5-Trichlorobenzene	12.635	180	203366	45.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	180542	45.904	ug/L	99
71) Naphthalene	13.490	128	563769	46.086	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	181546	47.344	ug/L	99

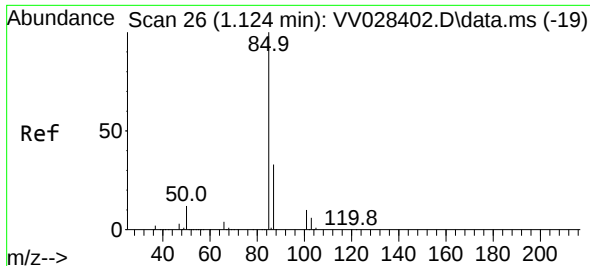
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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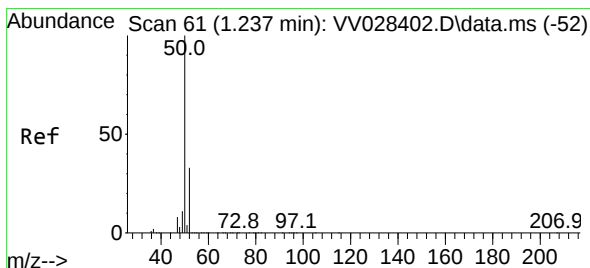
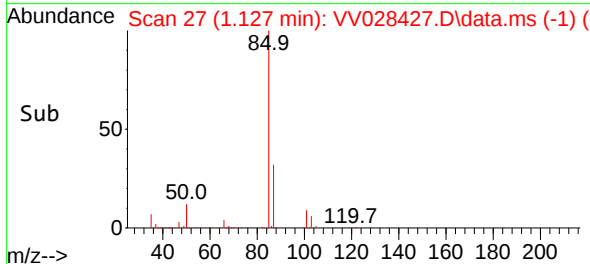
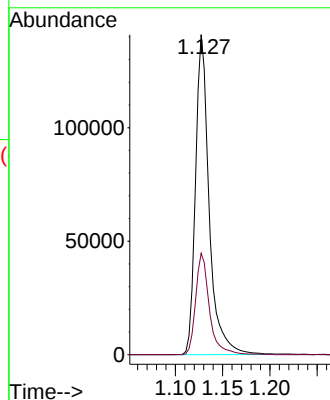
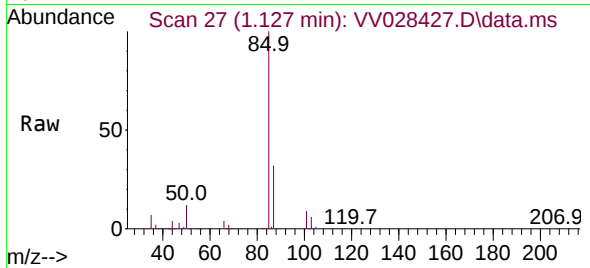




#2
Dichlorodifluoromethane
Concen: 47.170 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

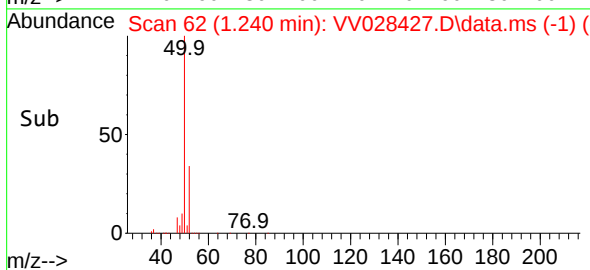
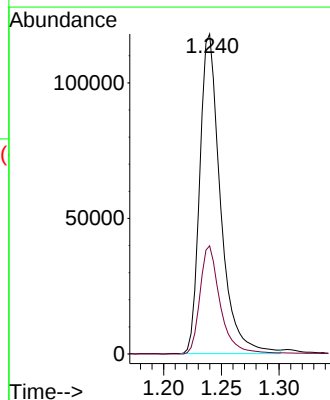
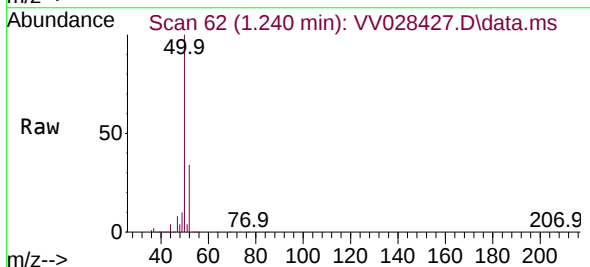
Instrument :
MSVOA_V
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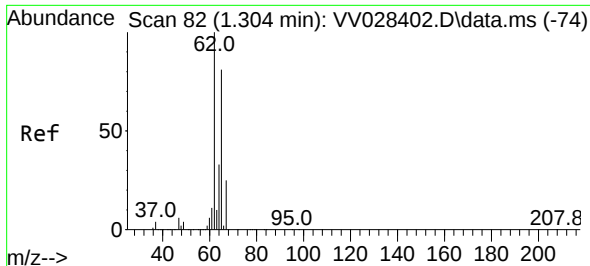
Tgt Ion: 85 Resp: 141366
Ion Ratio Lower Upper
85 100
87 31.9 25.9 38.9



#3
Chloromethane
Concen: 43.479 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 50 Resp: 146691
Ion Ratio Lower Upper
50 100
52 33.8 22.7 42.3

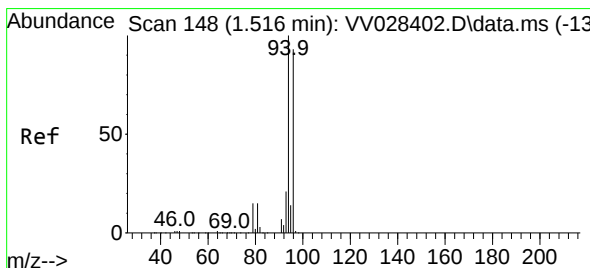
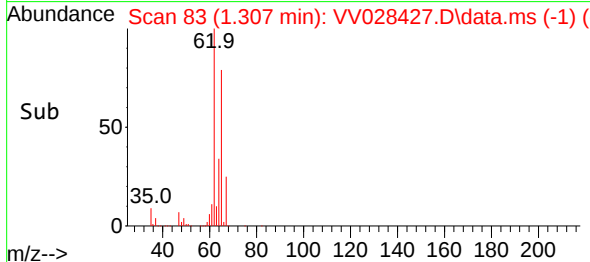
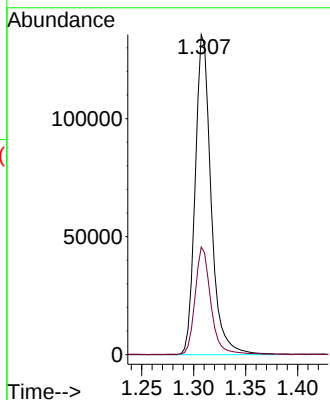
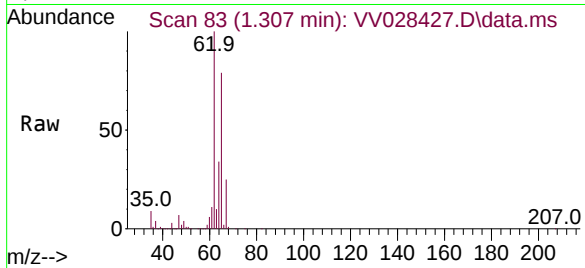




#5
 Vinyl chloride
 Concen: 42.737 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

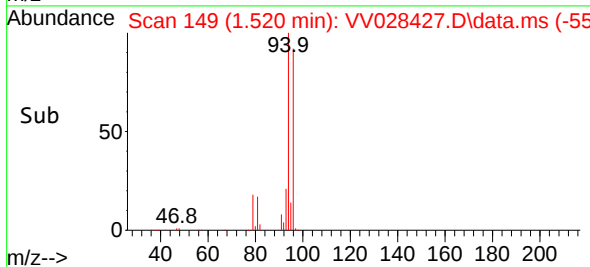
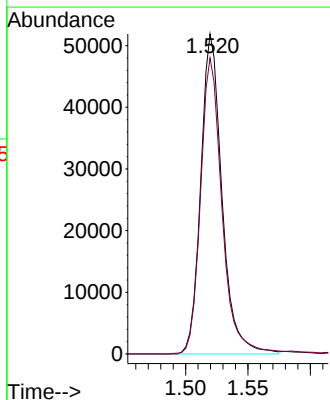
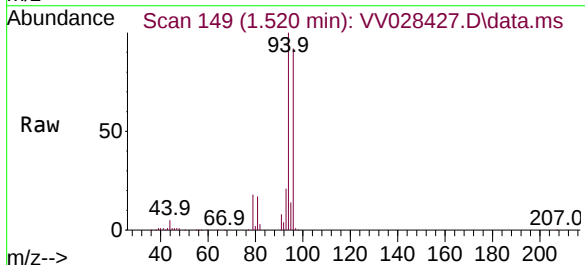
Instrument :
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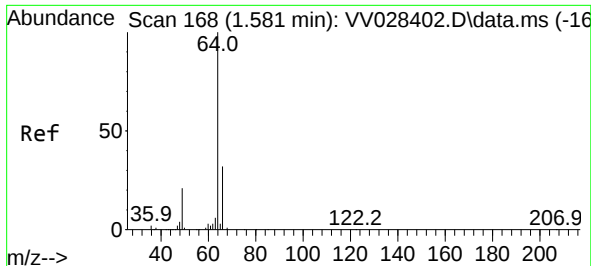
Tgt Ion: 62 Resp: 144702
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.3 43.3



#6
 Bromomethane
 Concen: 39.764 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

Tgt Ion: 94 Resp: 61390
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.5 121.6

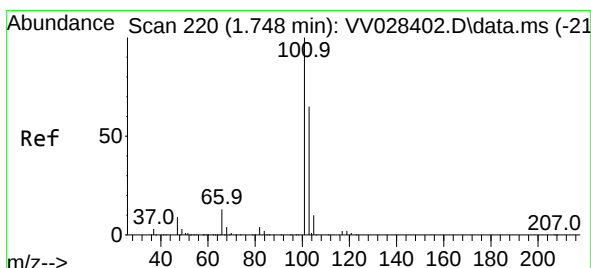
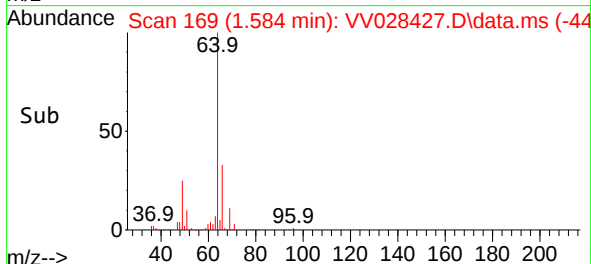
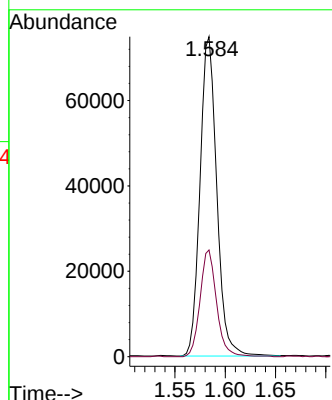
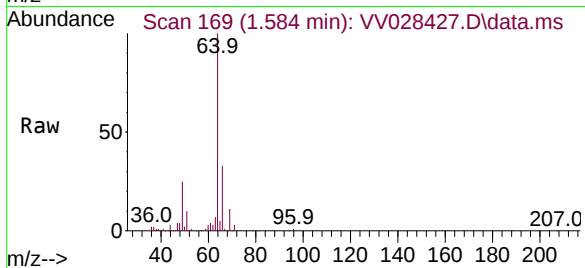




#8
Chloroethane
Concen: 42.212 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

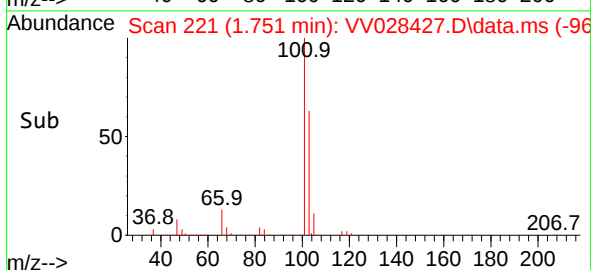
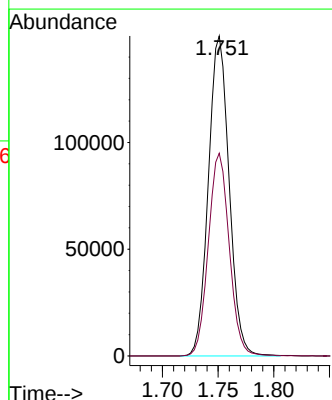
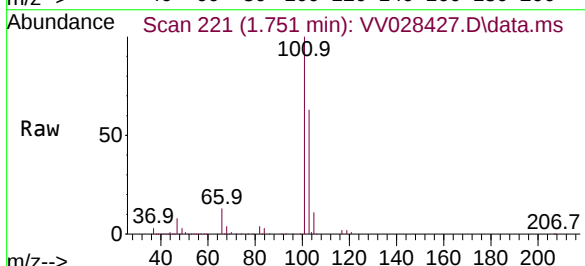
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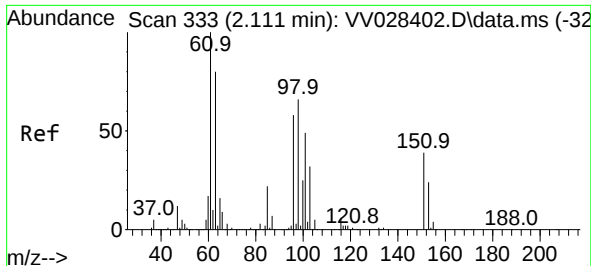
Tgt Ion: 64 Resp: 86760
Ion Ratio Lower Upper
64 100
66 33.4 22.2 41.2



#9
Trichlorofluoromethane
Concen: 46.395 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion:101 Resp: 194134
Ion Ratio Lower Upper
101 100
103 63.8 50.7 76.1

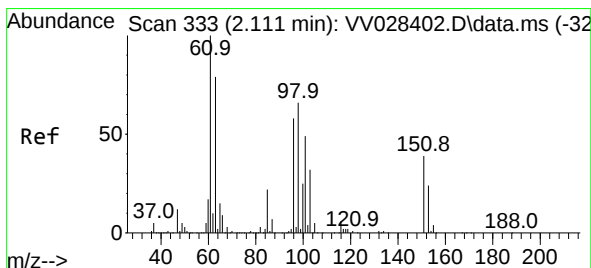
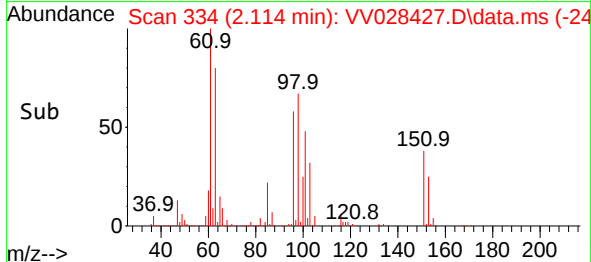
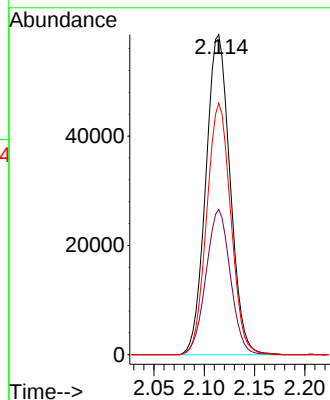
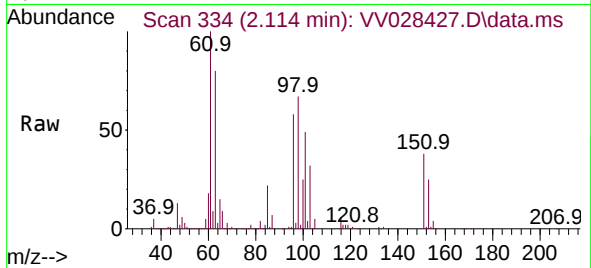




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.474 ug/L
 RT: 2.114 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

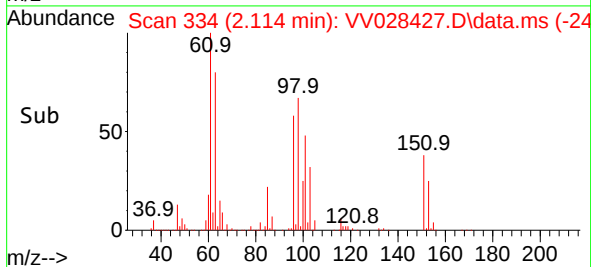
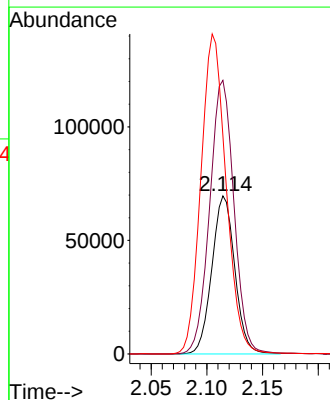
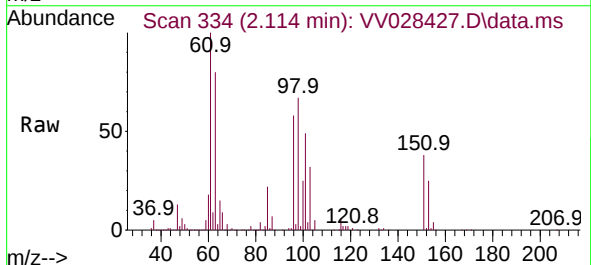
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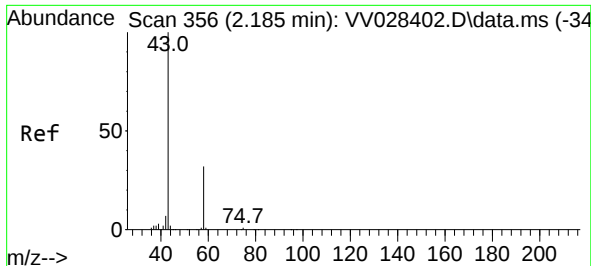
Tgt Ion:101 Resp: 98356
 Ion Ratio Lower Upper
 101 100
 85 45.6 34.9 52.3
 151 78.0 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 42.784 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV028427.D
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Tgt Ion: 96 Resp: 99607
 Ion Ratio Lower Upper
 96 100
 61 173.0 125.6 233.2
 63 137.9 100.0 185.6

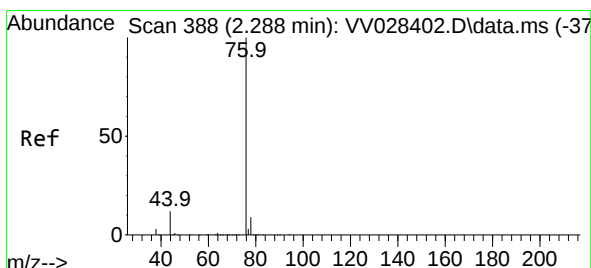
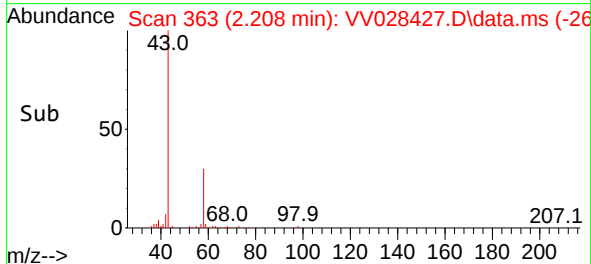
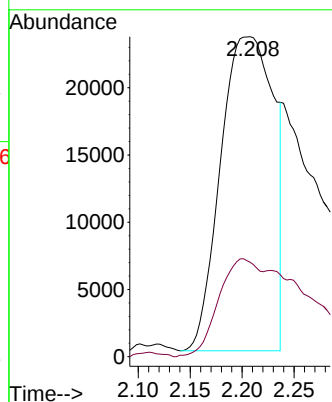
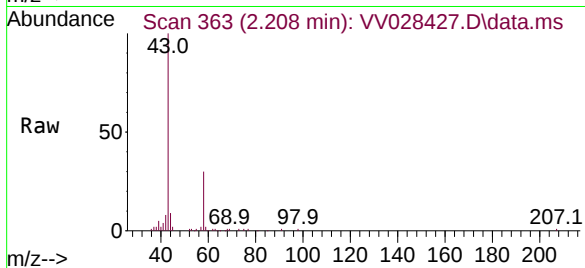




#13
Acetone
Concen: 39.962 ug/L
RT: 2.208 min Scan# 30
Delta R.T. 0.022 min
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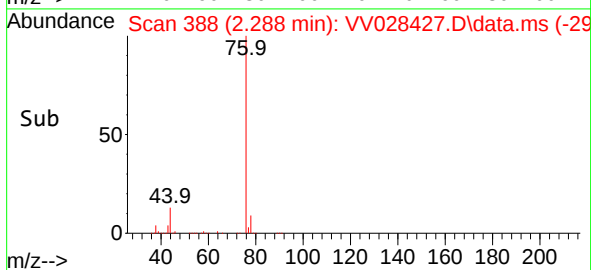
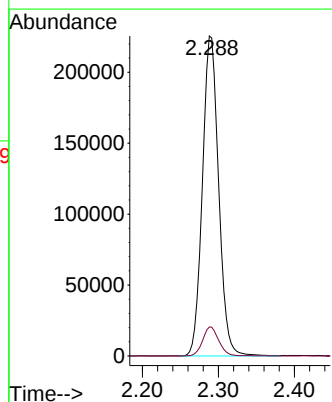
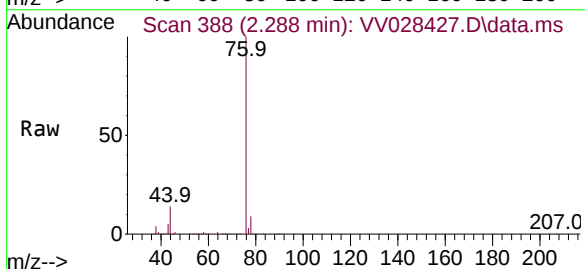
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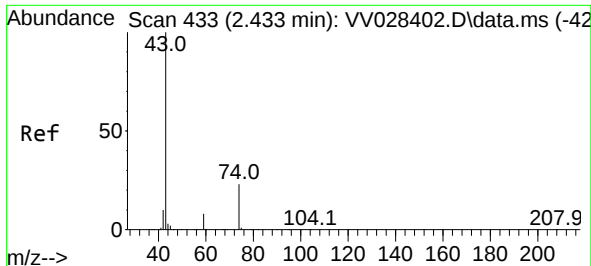
Tgt Ion: 43 Resp: 83228
Ion Ratio Lower Upper
43 100
58 24.4 0.0 47.0



#14
Carbon disulfide
Concen: 44.968 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 334815
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

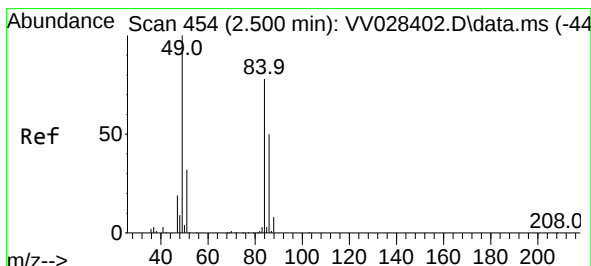
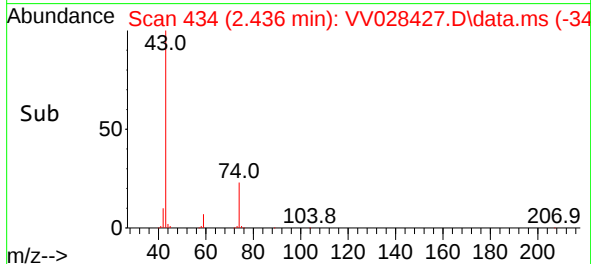
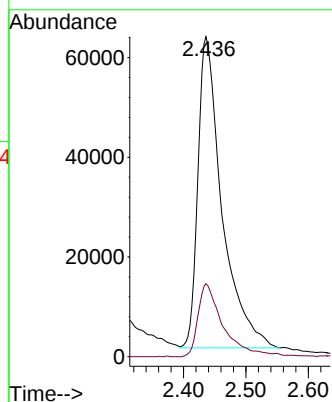
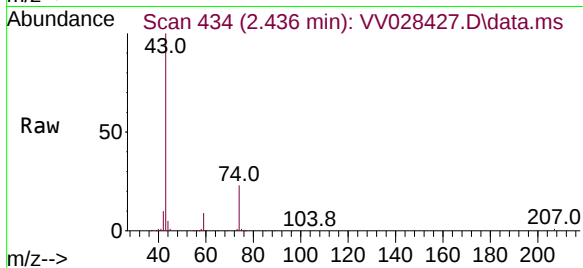




#15
Methyl Acetate
Concen: 47.566 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

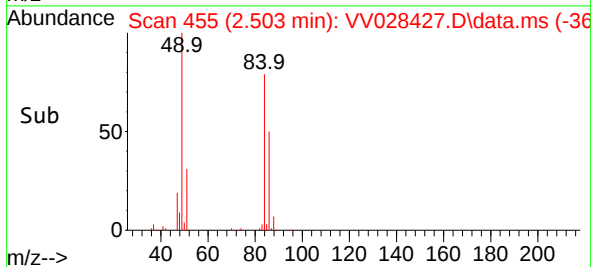
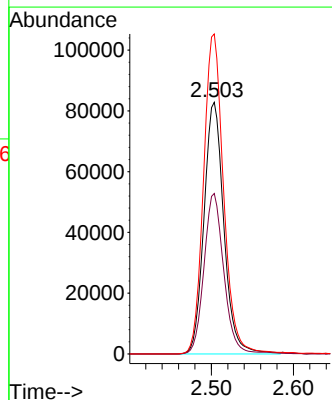
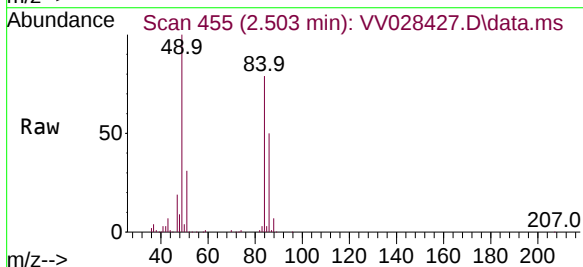
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

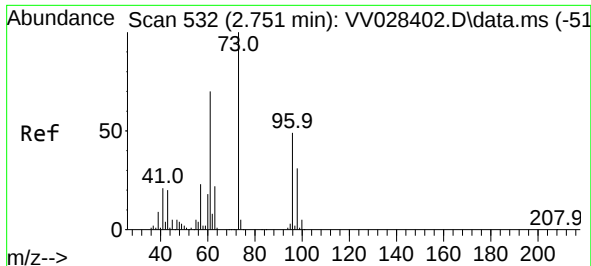
Tgt Ion: 43 Resp: 167261
Ion Ratio Lower Upper
43 100
74 24.1 18.8 28.2



#16
Methylene chloride
Concen: 46.130 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 84 Resp: 139565
Ion Ratio Lower Upper
84 100
86 63.8 44.2 82.2
49 127.2 90.5 168.1

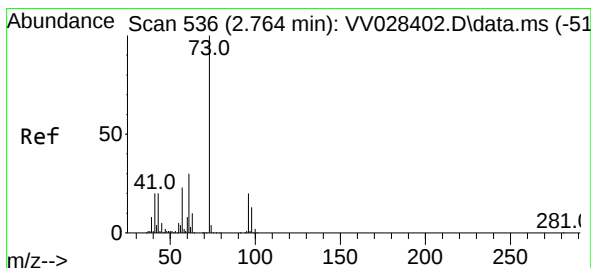
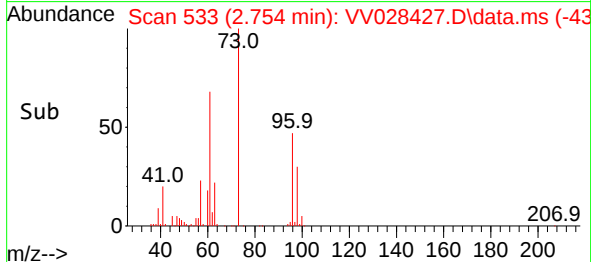
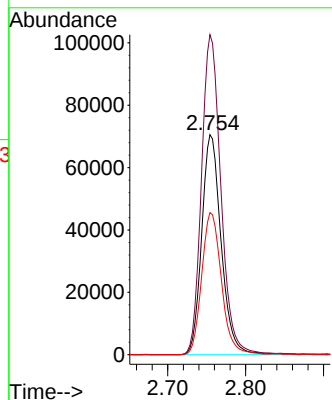
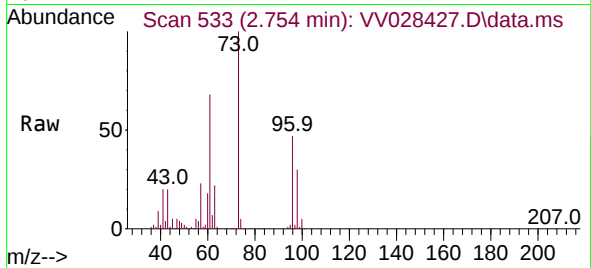




#17
trans-1,2-Dichloroethene
Concen: 44.948 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

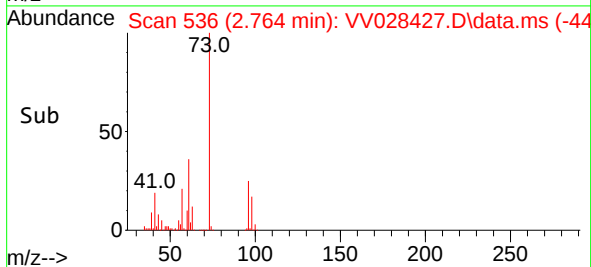
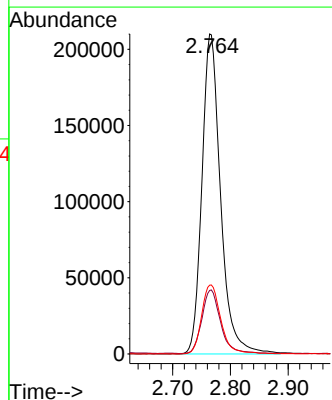
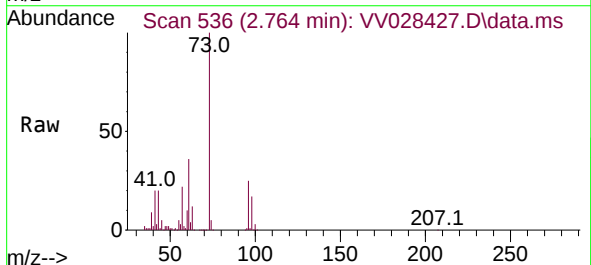
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

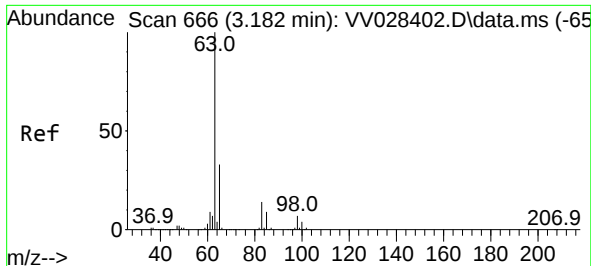
Tgt Ion: 96 Resp: 122059
Ion Ratio Lower Upper
96 100
61 145.4 104.8 194.6
98 64.6 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 47.232 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 73 Resp: 471509
Ion Ratio Lower Upper
73 100
43 19.9 15.6 23.4
57 21.9 18.2 27.4





#19

1,1-Dichloroethane

Concen: 45.393 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

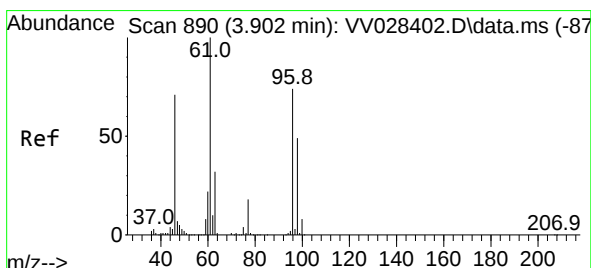
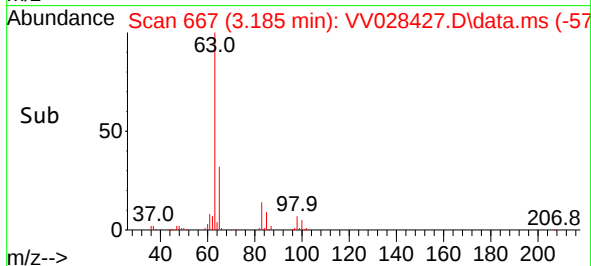
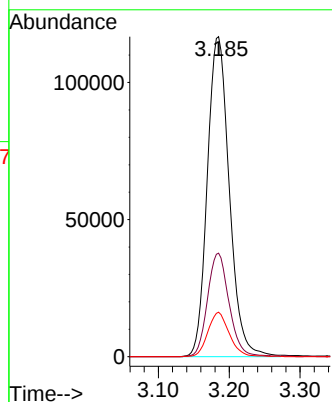
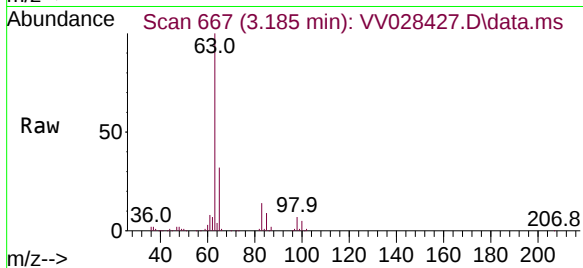
Tgt Ion: 63 Resp: 251808

Ion Ratio Lower Upper

63 100

65 32.4 22.6 42.0

83 13.9 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 46.519 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

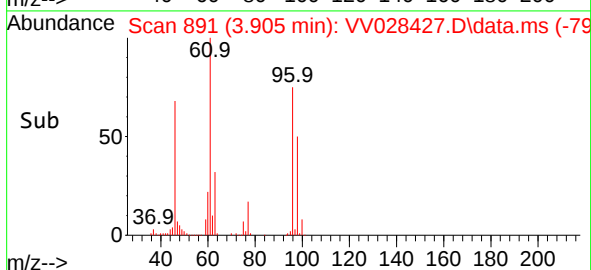
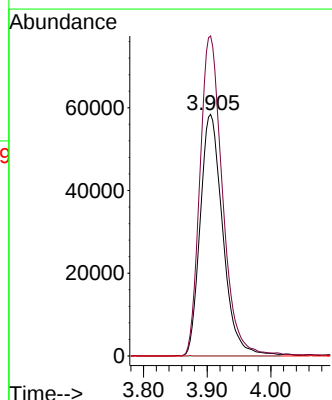
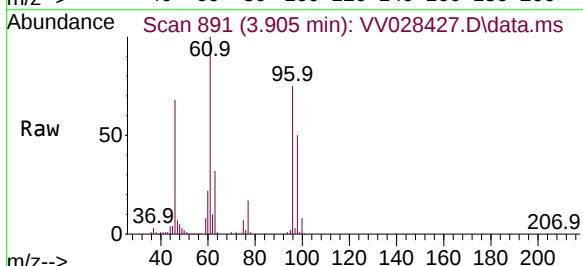
Tgt Ion: 96 Resp: 143910

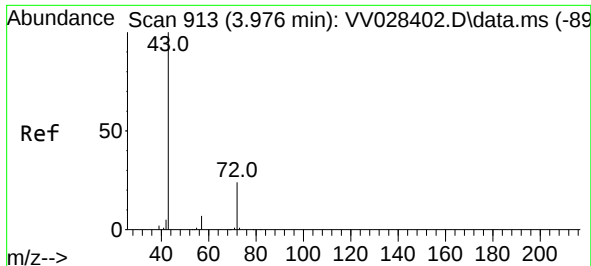
Ion Ratio Lower Upper

96 100

61 132.5 95.0 176.4

68 0.0 0.0 0.0

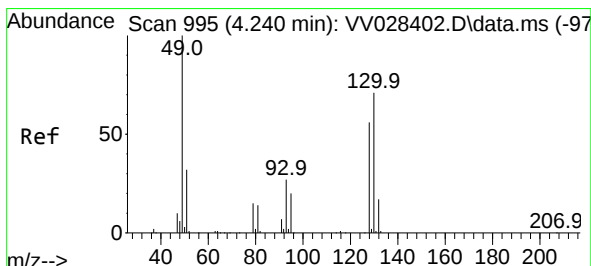
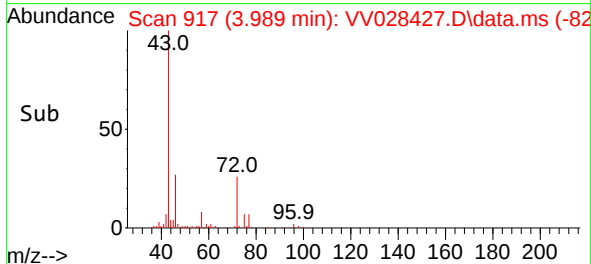
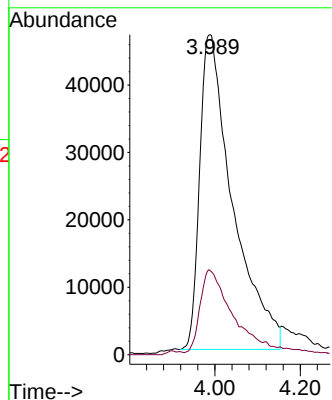
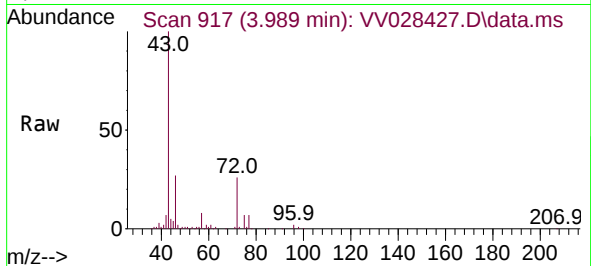




#22
2-Butanone
Concen: 91.398 ug/L
RT: 3.989 min Scan# 917
Delta R.T. 0.013 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

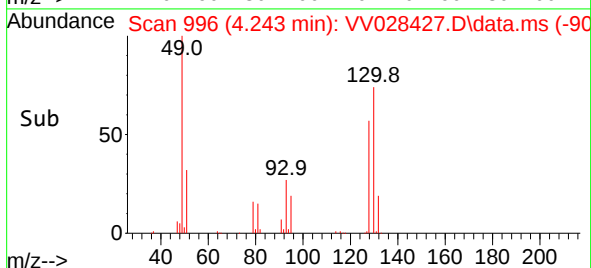
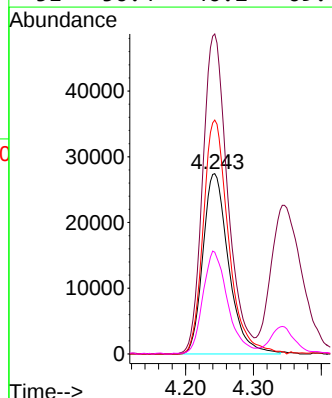
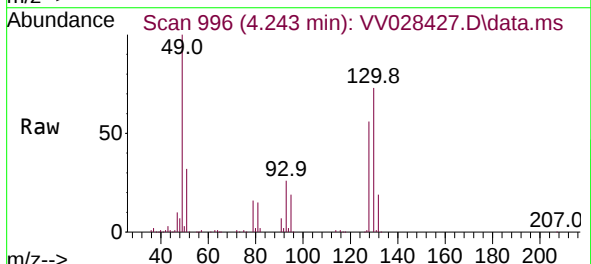
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

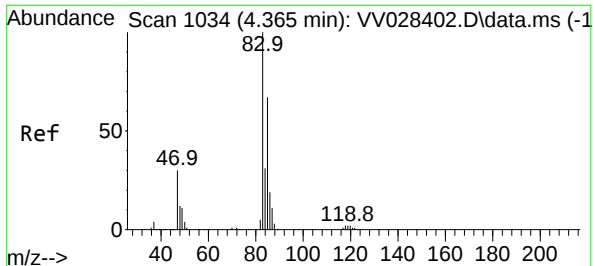
Tgt Ion: 43 Resp: 250942
Ion Ratio Lower Upper
43 100
72 20.9 11.1 33.1



#23
Bromochloromethane
Concen: 47.971 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 128 Resp: 72120
Ion Ratio Lower Upper
128 100
49 177.5 130.6 242.6
130 129.8 90.0 167.2
51 56.4 46.2 69.4





#25

Chloroform

Concen: 46.852 ug/L

RT: 4.368 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

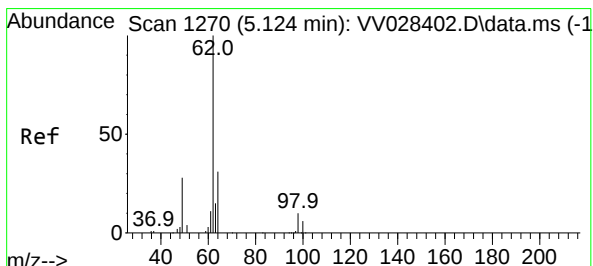
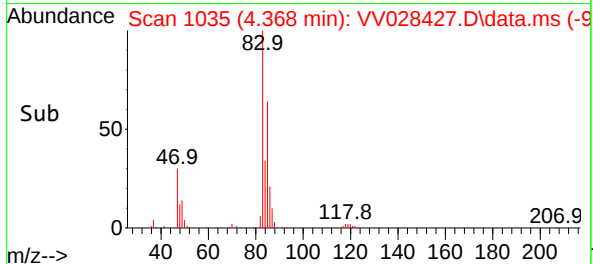
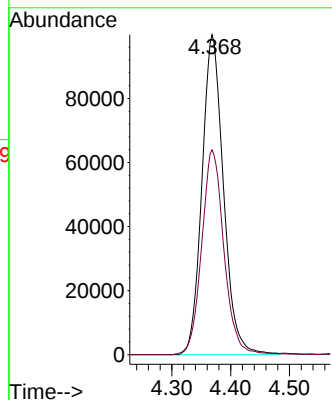
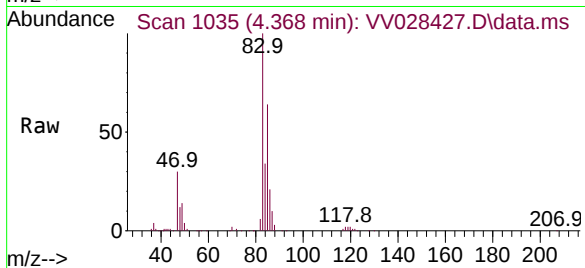
VSTD050350

Tgt Ion: 83 Resp: 253732

Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7



#27

1,2-Dichloroethane

Concen: 47.166 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV028427.D

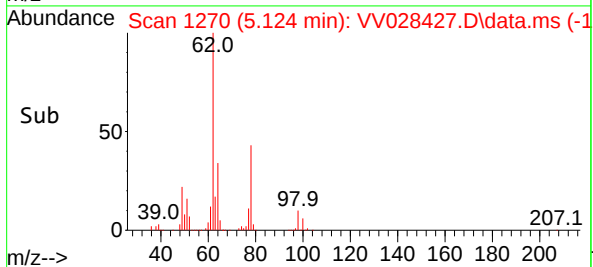
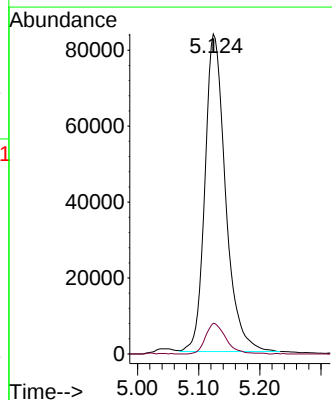
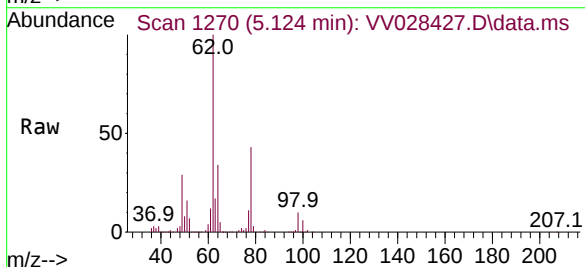
Acq: 07 Oct 2022 23:13

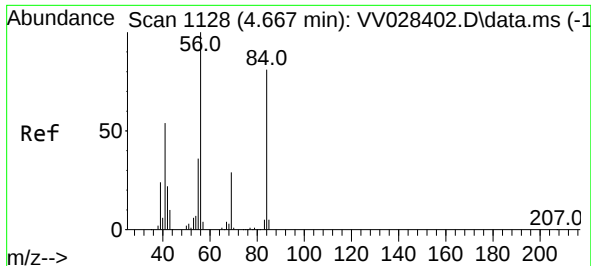
Tgt Ion: 62 Resp: 195708

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4





#29

Cyclohexane

Concen: 44.409 ug/L

RT: 4.671 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

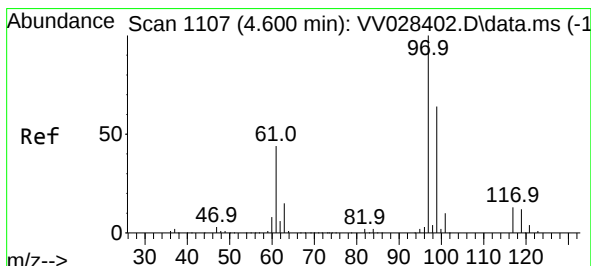
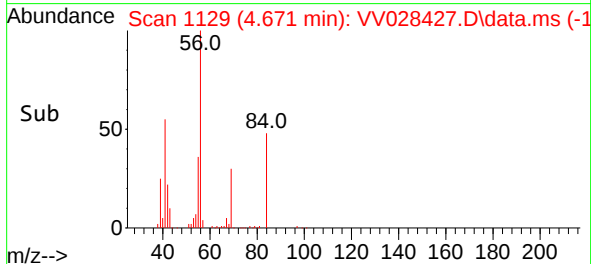
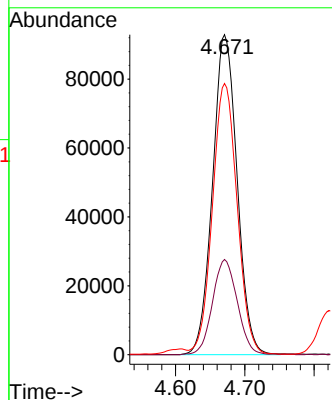
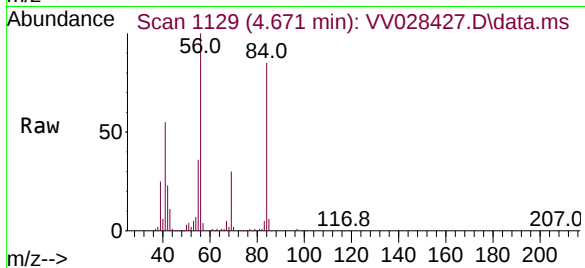
Tgt Ion: 56 Resp: 229026

Ion Ratio Lower Upper

56 100

69 30.0 23.0 34.6

84 85.1 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 48.950 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

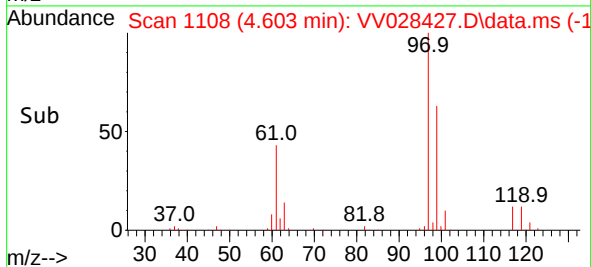
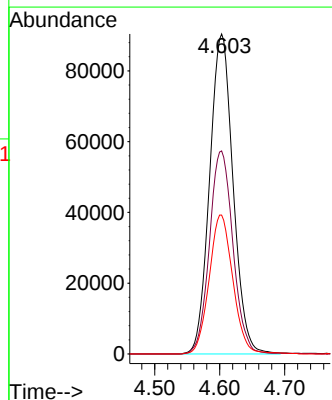
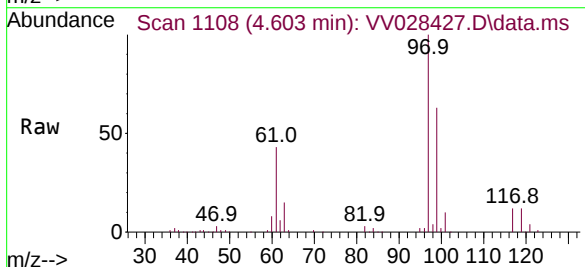
Tgt Ion: 97 Resp: 226733

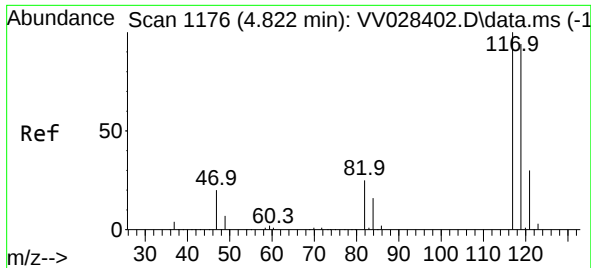
Ion Ratio Lower Upper

97 100

99 63.6 50.2 75.2

61 44.0 35.8 53.6

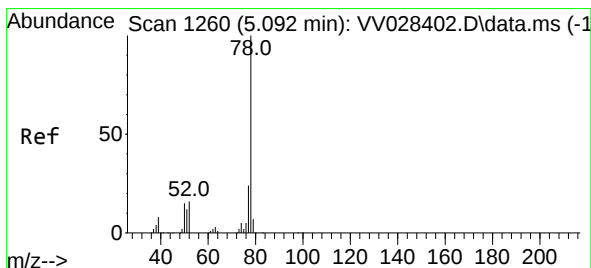
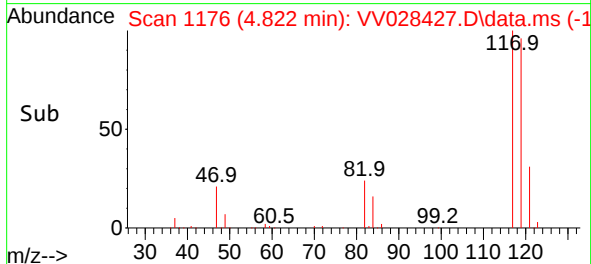
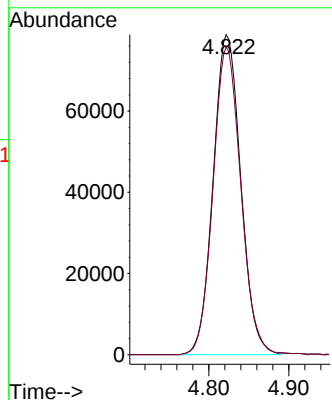
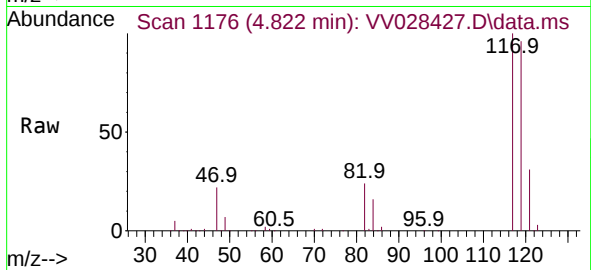




#31
Carbon tetrachloride
Concen: 48.698 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

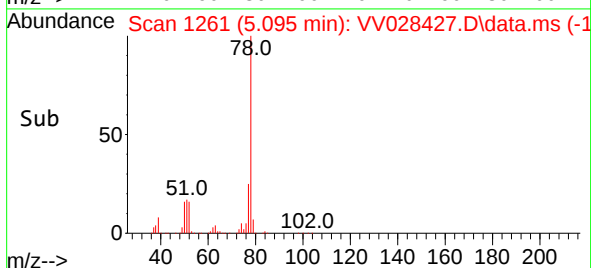
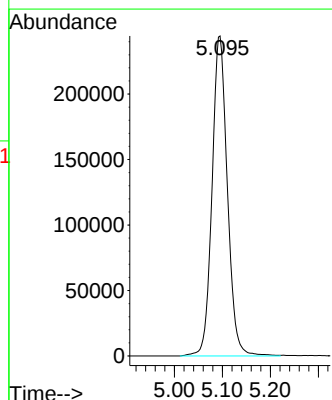
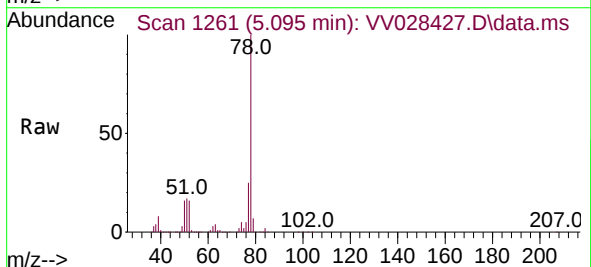
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

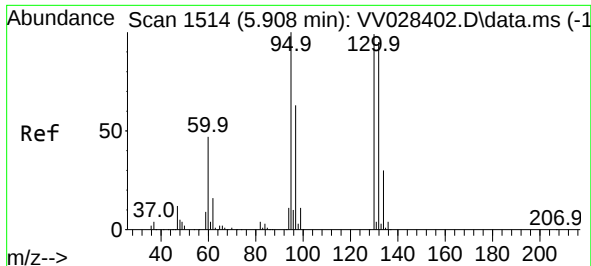
Tgt Ion:117 Resp: 188822
Ion Ratio Lower Upper
117 100
119 96.7 78.0 117.0



#33
Benzene
Concen: 46.013 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 78 Resp: 542610



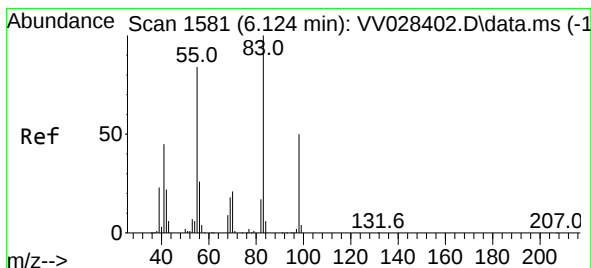
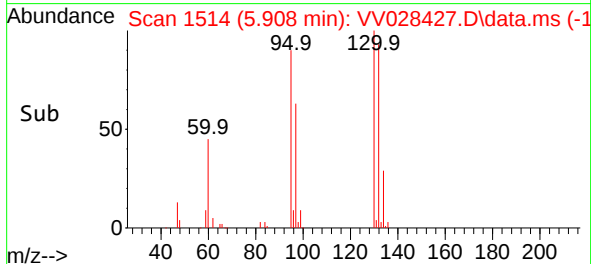
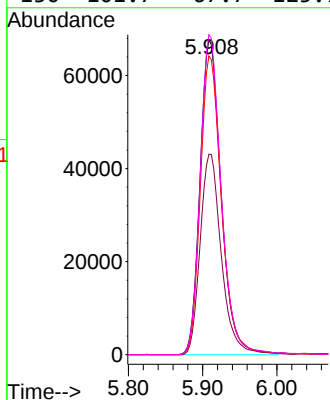
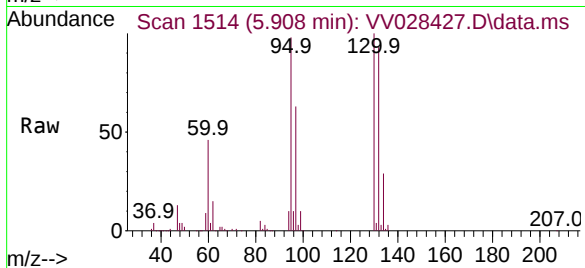


#34
 Trichloroethene
 Concen: 45.817 ug/L
 RT: 5.908 min Scan# 1514
 Delta R.T. 0.000 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

Tgt Ion: 95 Resp: 134034

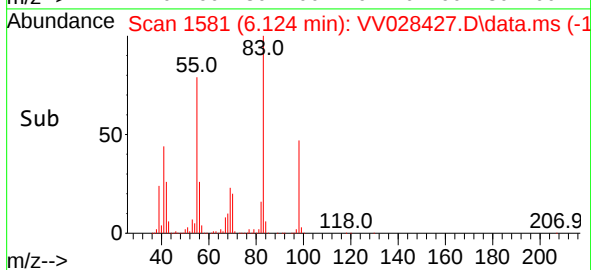
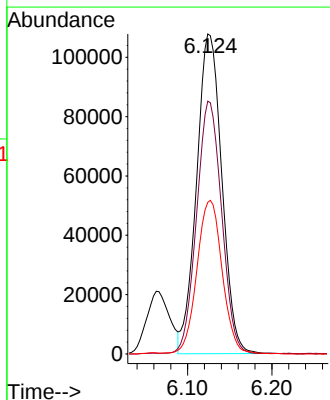
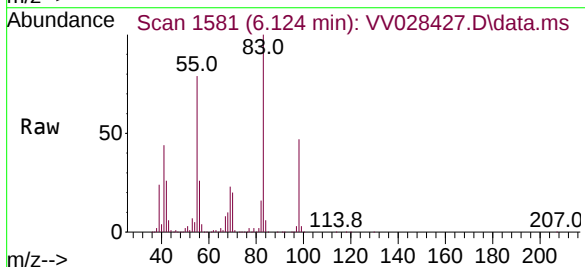
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.4
132	94.9	64.3	119.5
130	101.7	67.7	125.7

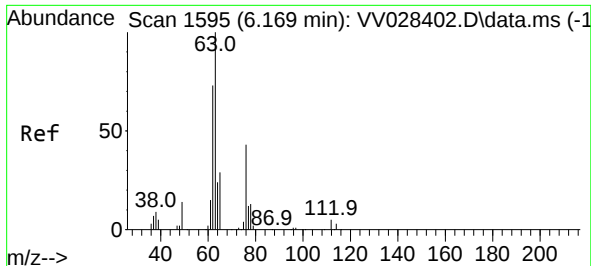


#35
 Methylcyclohexane
 Concen: 44.258 ug/L
 RT: 6.124 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

Tgt Ion: 83 Resp: 225095

Ion	Ratio	Lower	Upper
83	100		
55	78.2	63.7	95.5
98	48.2	38.2	57.2





#37

1,2-Dichloropropane

Concen: 45.856 ug/L

RT: 6.169 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

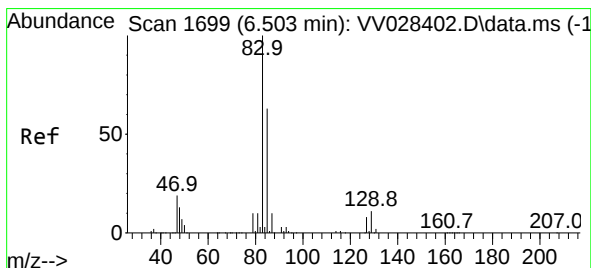
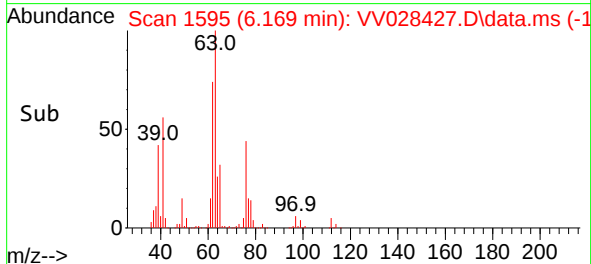
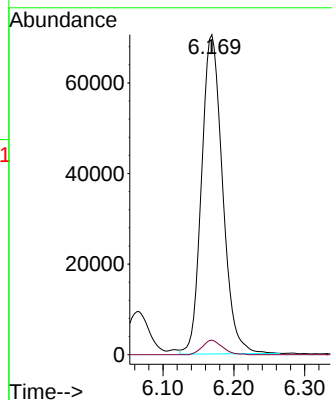
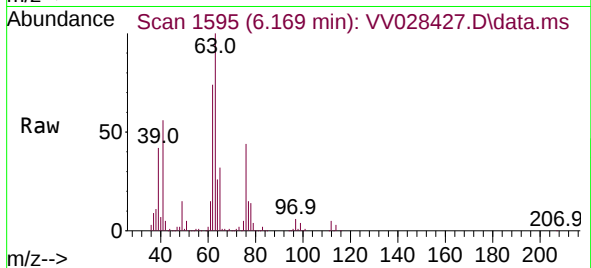
VSTD050350

Tgt Ion: 63 Resp: 144975

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 46.796 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

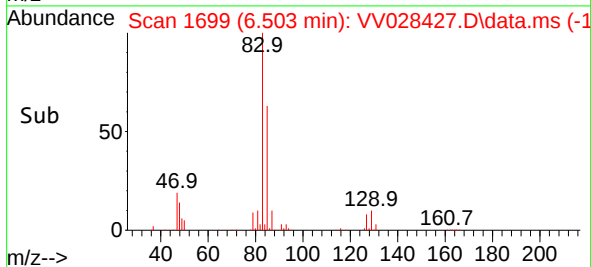
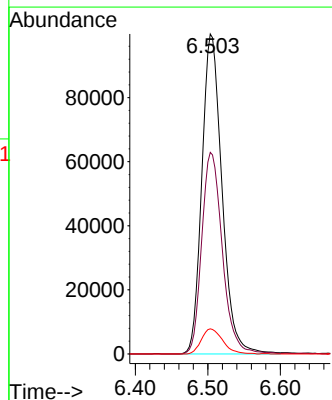
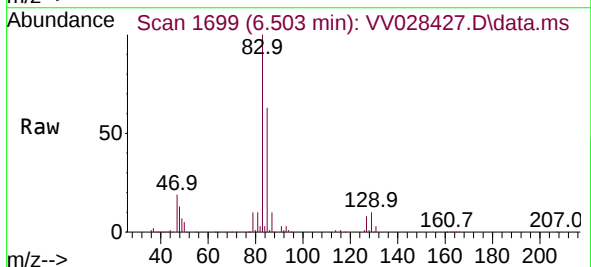
Tgt Ion: 83 Resp: 192750

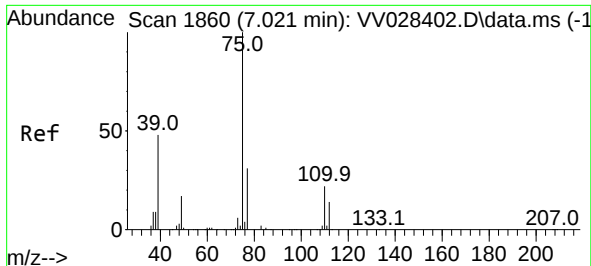
Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.7

127 7.8 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.116 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

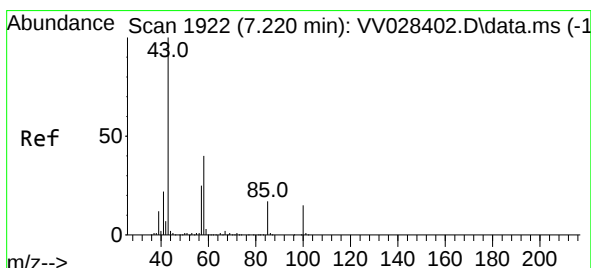
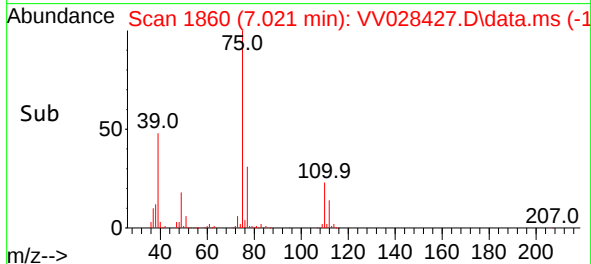
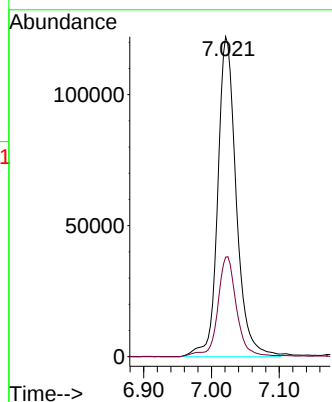
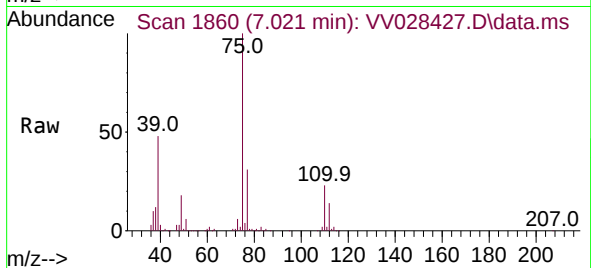
VSTD050350

Tgt Ion: 75 Resp: 231941

Ion Ratio Lower Upper

75 100

77 31.1 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 92.008 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

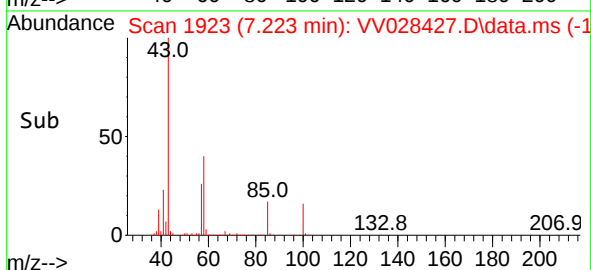
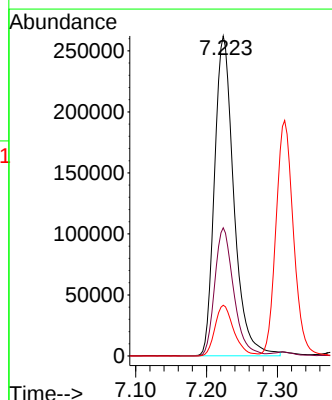
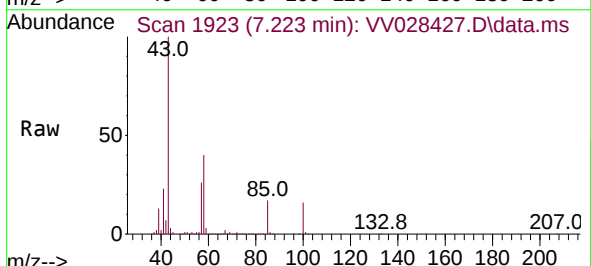
Tgt Ion: 43 Resp: 496112

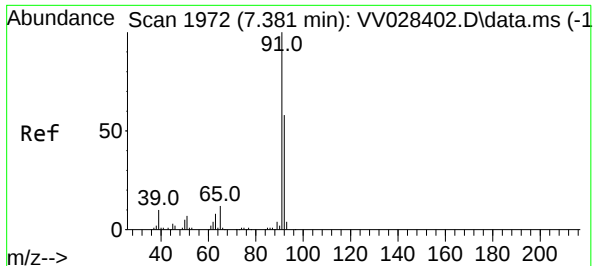
Ion Ratio Lower Upper

43 100

58 39.5 31.3 46.9

100 15.5 11.5 17.3

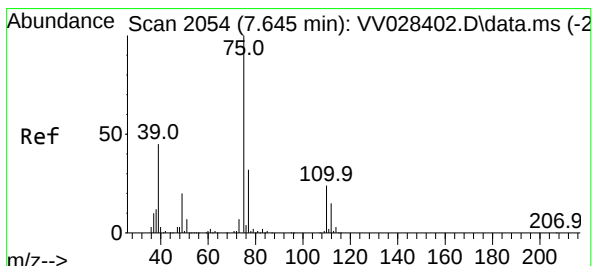
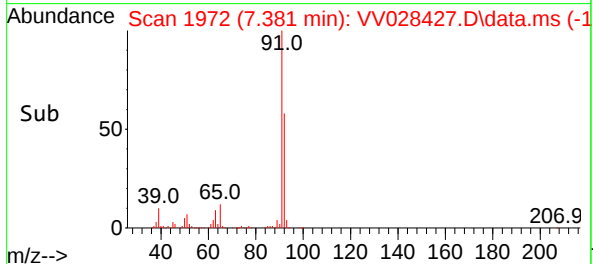
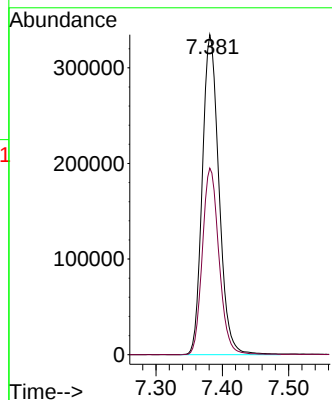
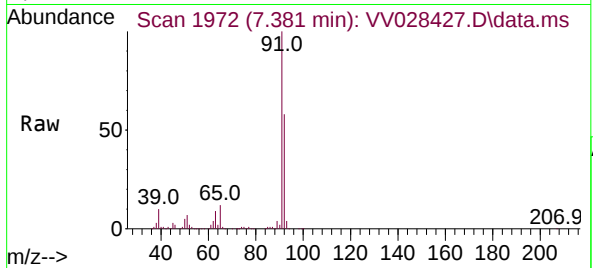




#42
Toluene
Concen: 48.021 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

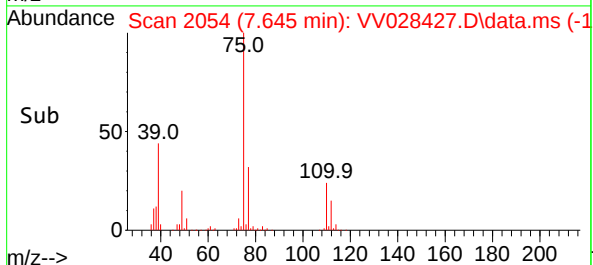
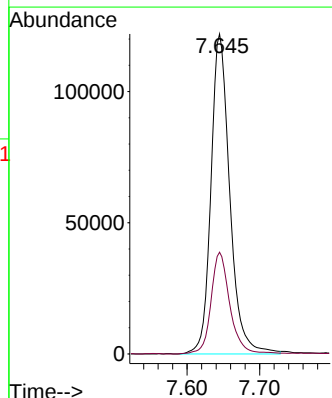
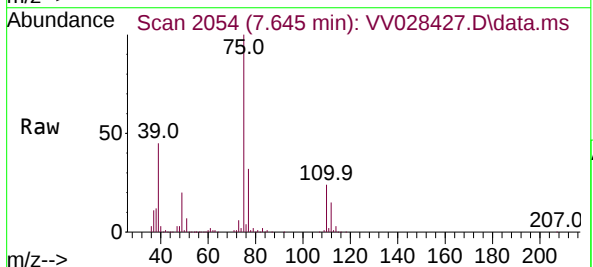
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

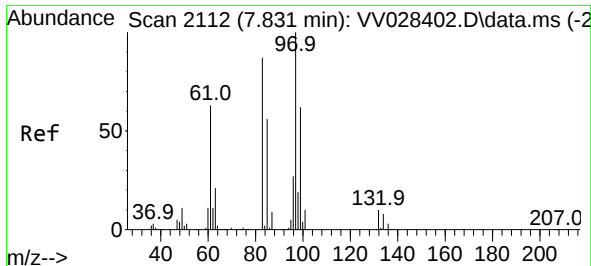
Tgt Ion: 91 Resp: 583709
Ion Ratio Lower Upper
91 100
92 58.3 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 45.594 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 75 Resp: 220089
Ion Ratio Lower Upper
75 100
77 31.8 21.8 40.4

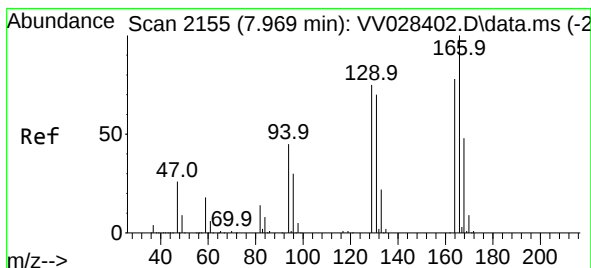
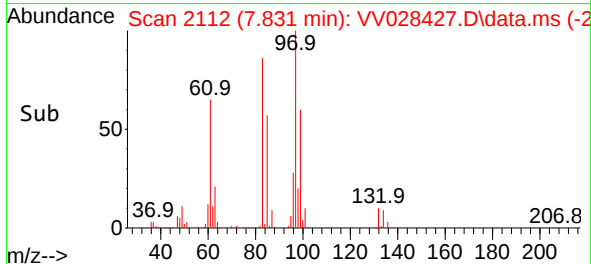
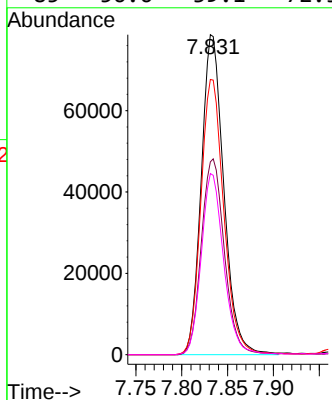
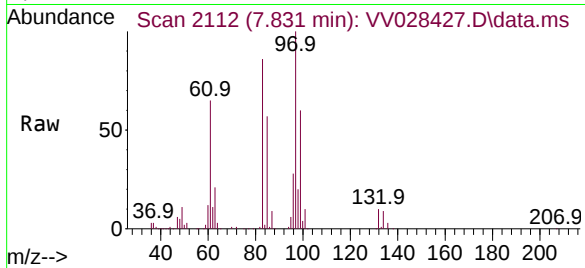




#45
1,1,2-Trichloroethane
Concen: 45.983 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

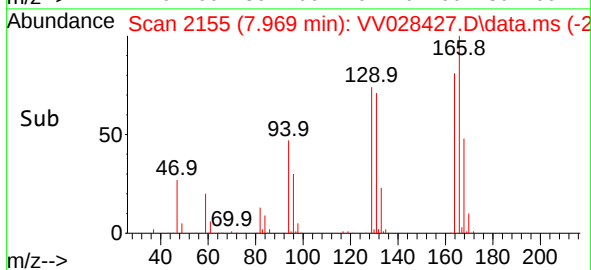
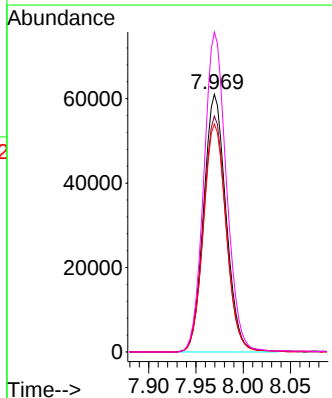
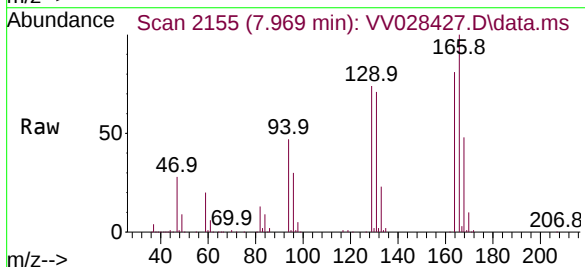
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

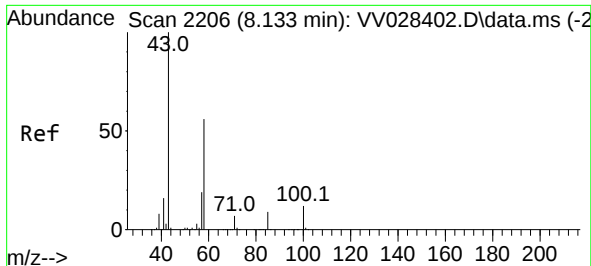
Tgt Ion:	97	Resp:	134653
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.9	81.5
83	86.0	61.9	114.9
85	56.6	39.1	72.5



#46
Tetrachloroethene
Concen: 48.051 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion:	164	Resp:	101004
Ion	Ratio	Lower	Upper
164	100		
129	91.5	67.4	125.2
131	88.5	65.2	121.2
166	124.2	88.5	164.4

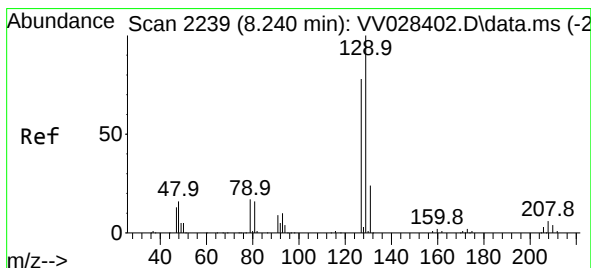
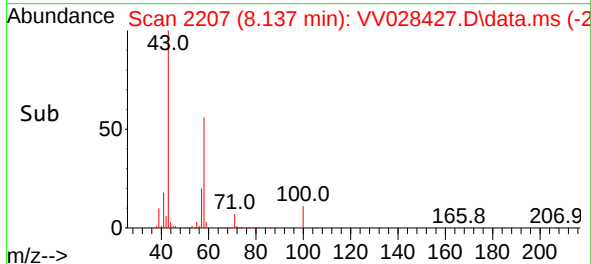
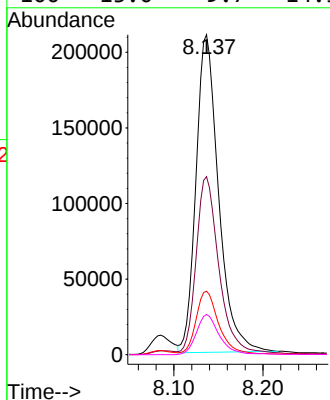
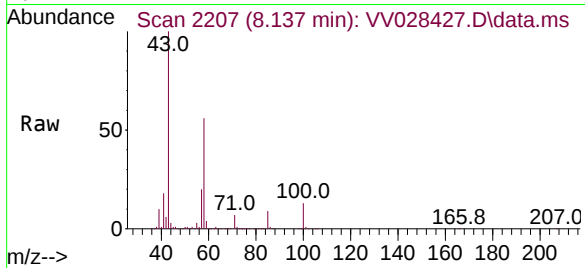




#48
2-Hexanone
Concen: 89.628 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

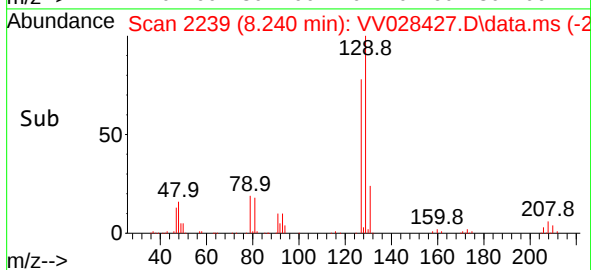
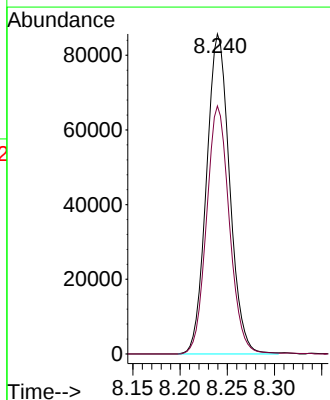
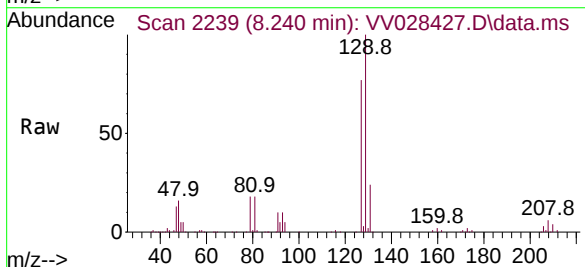
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

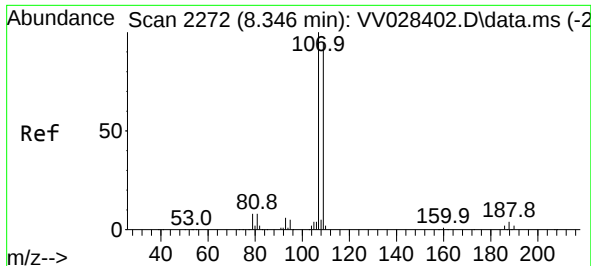
Tgt Ion: 43 Resp: 371010
Ion Ratio Lower Upper
43 100
58 56.2 43.9 65.9
57 19.4 15.1 22.7
100 13.0 9.7 14.5



#49
Dibromochloromethane
Concen: 46.413 ug/L
RT: 8.240 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 129 Resp: 146092
Ion Ratio Lower Upper
129 100
127 77.5 53.6 99.6





#50

1,2-Dibromoethane

Concen: 45.631 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

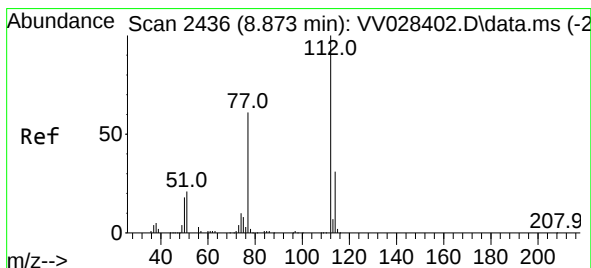
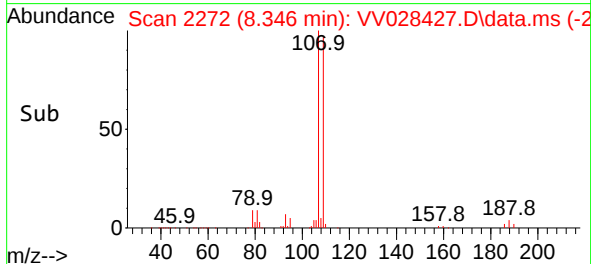
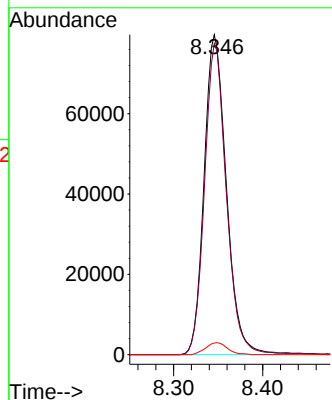
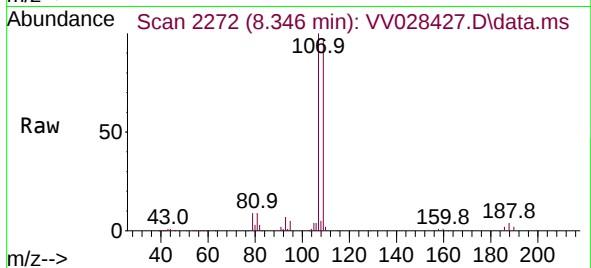
Tgt Ion:107 Resp: 138358

Ion Ratio Lower Upper

107 100

109 97.2 65.9 122.5

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 46.407 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

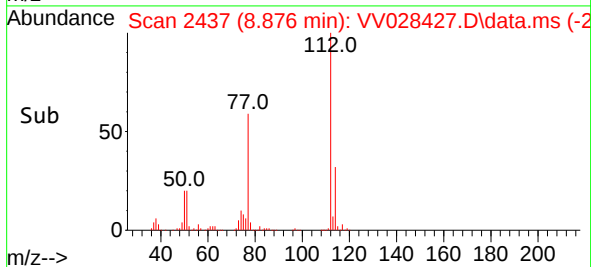
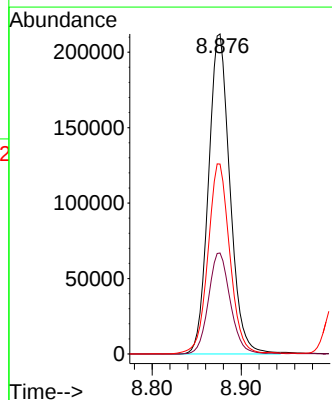
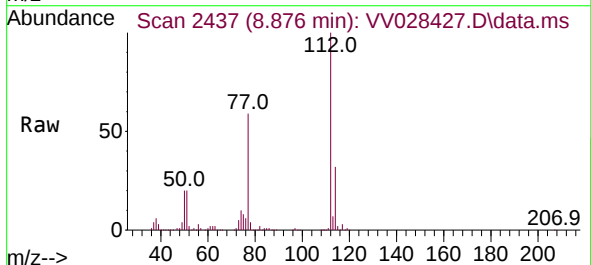
Tgt Ion:112 Resp: 353907

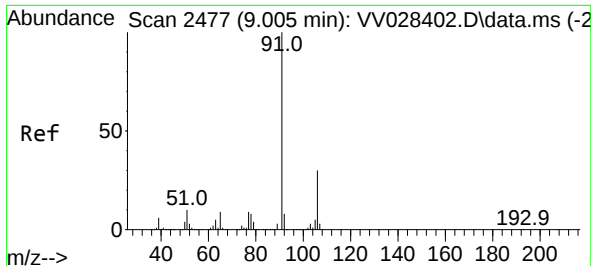
Ion Ratio Lower Upper

112 100

114 31.6 21.7 40.3

77 59.4 48.7 73.1

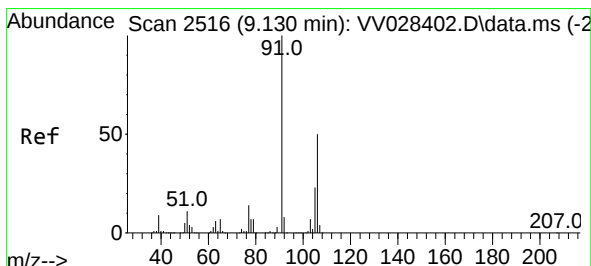
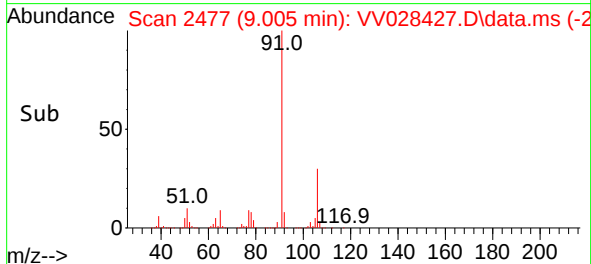
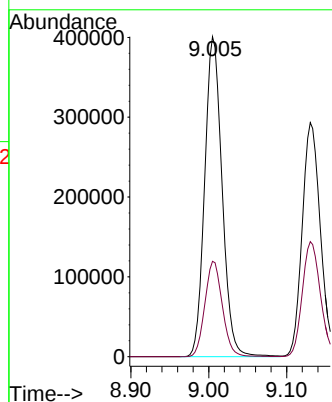
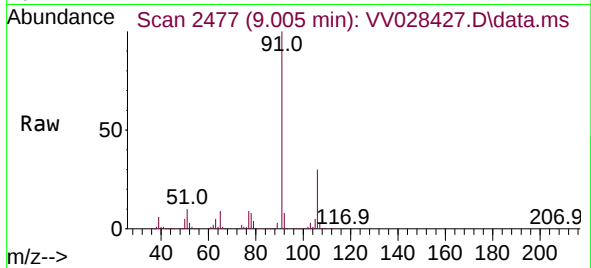




#52
Ethylbenzene
Concen: 46.968 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

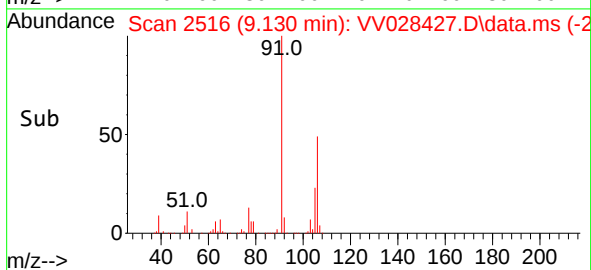
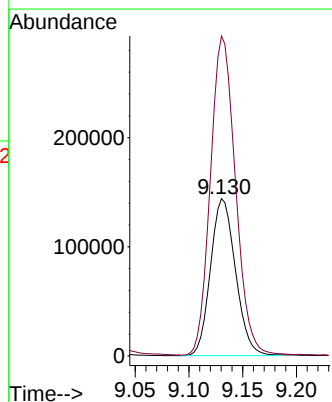
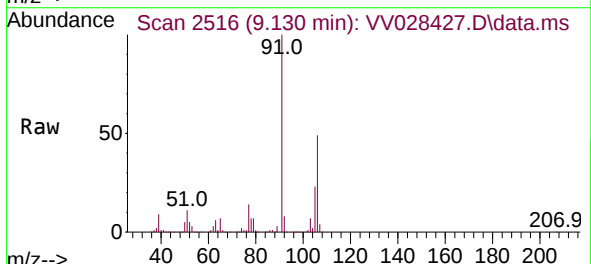
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

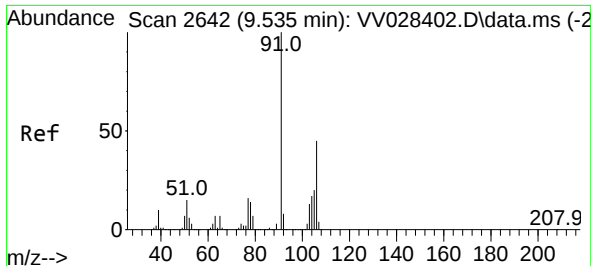
Tgt Ion: 91 Resp: 622241
Ion Ratio Lower Upper
91 100
106 29.8 21.4 39.8



#53
m,p-Xylene
Concen: 46.387 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 106 Resp: 232933
Ion Ratio Lower Upper
106 100
91 203.4 145.2 269.6

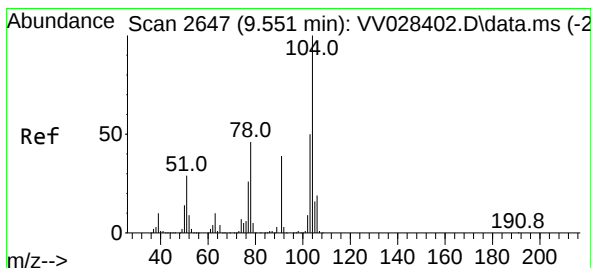
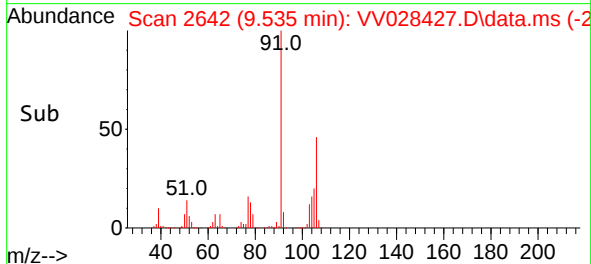
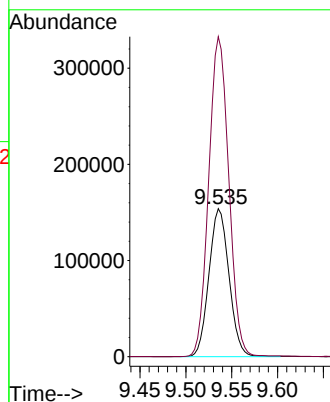
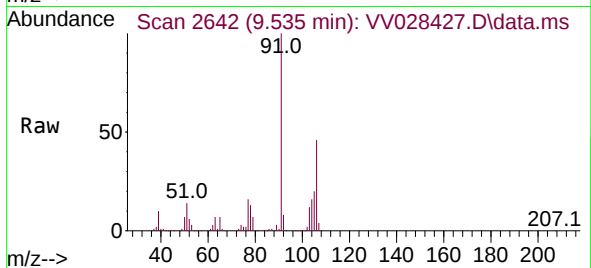




#54
o-Xylene
Concen: 46.483 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

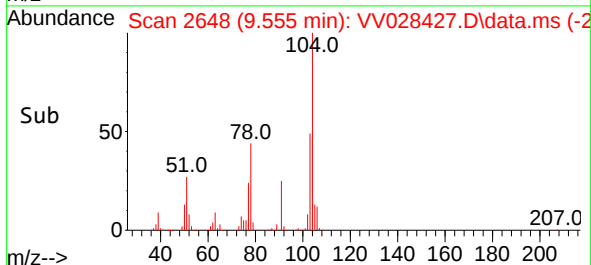
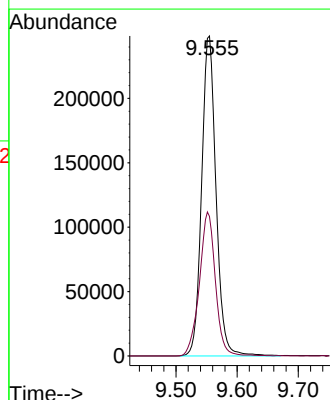
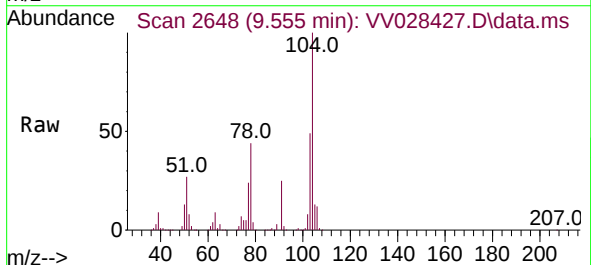
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

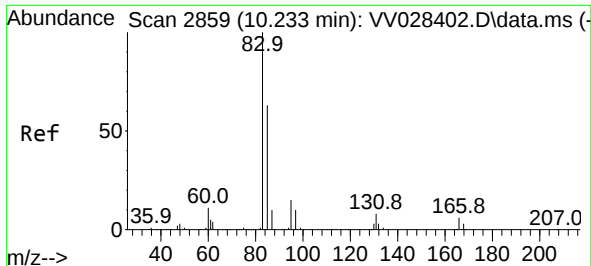
Tgt Ion:106 Resp: 233714
Ion Ratio Lower Upper
106 100
91 216.1 152.5 283.3



#55
Styrene
Concen: 47.116 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion:104 Resp: 406823
Ion Ratio Lower Upper
104 100
78 43.6 31.9 59.2

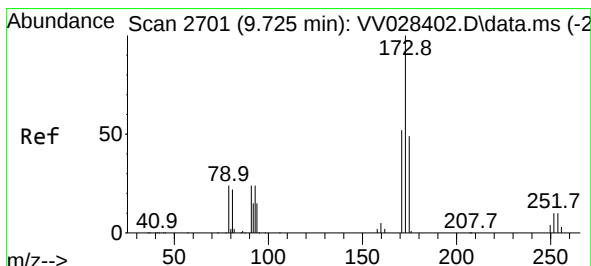
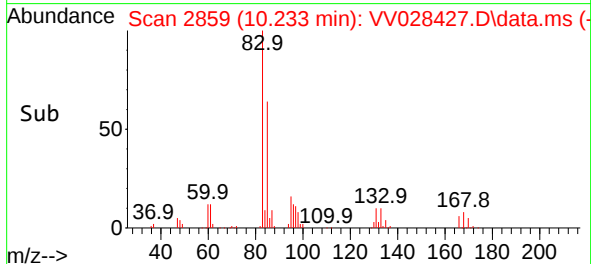
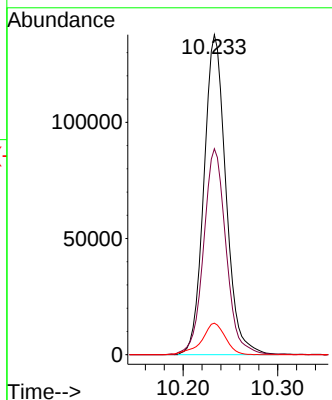
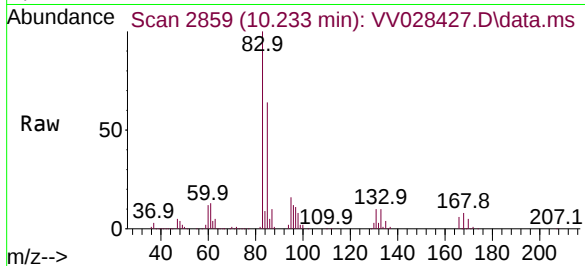




#57
 1,1,2,2-Tetrachloroethane
 Concen: 44.395 ug/L
 RT: 10.233 min Scan# 2859
 Delta R.T. 0.000 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

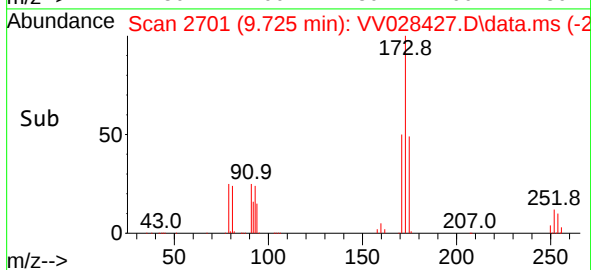
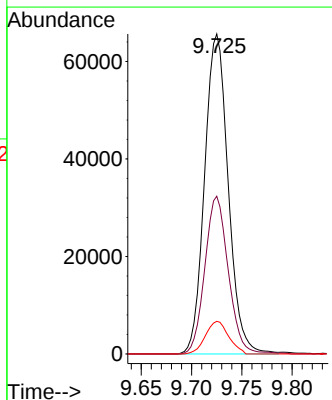
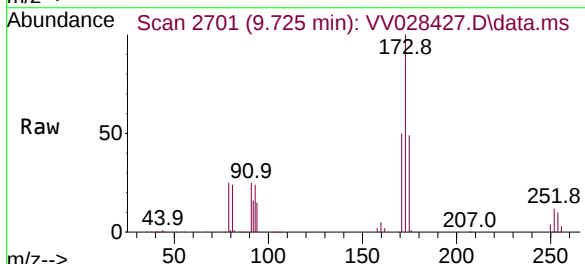
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050350

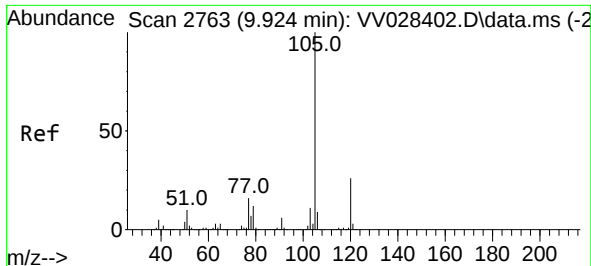
Tgt Ion: 83 Resp: 222640
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.8 83.2
 131 9.9 7.2 10.8



#59
 Bromoform
 Concen: 46.495 ug/L
 RT: 9.725 min Scan# 2701
 Delta R.T. 0.000 min
 Lab File: VV028427.D
 Acq: 07 Oct 2022 23:13

Tgt Ion: 173 Resp: 107331
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.6 57.8
 254 10.0 8.4 12.6

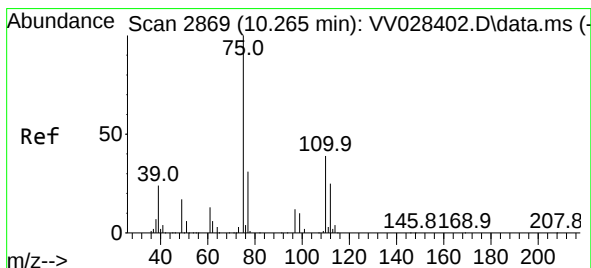
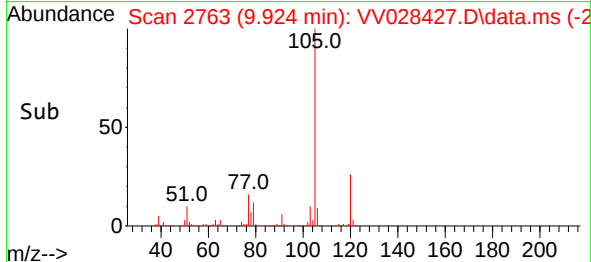
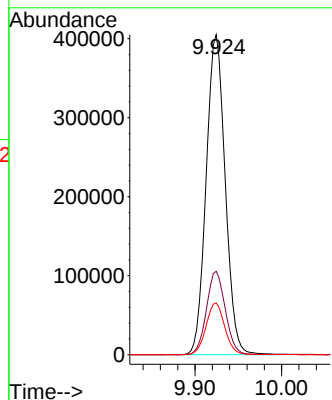
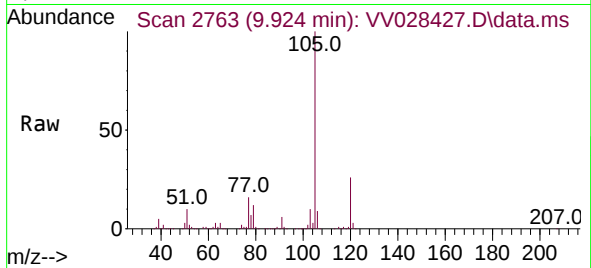




#60
Isopropylbenzene
Concen: 46.106 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

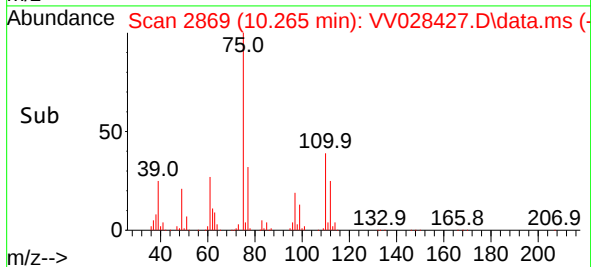
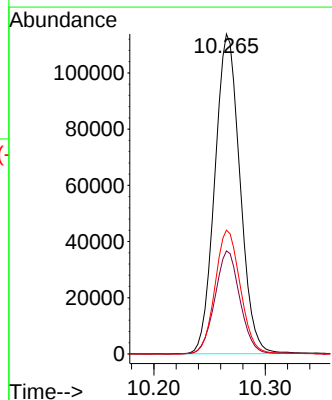
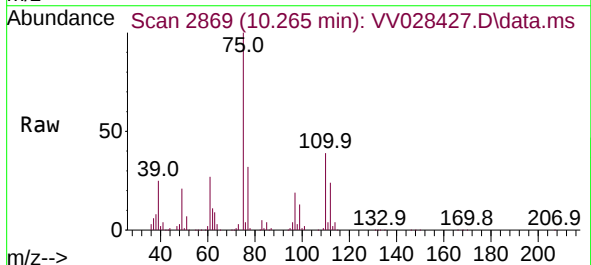
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

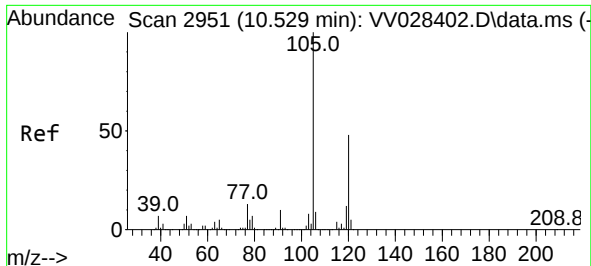
Tgt Ion:105 Resp: 619319
Ion Ratio Lower Upper
105 100
120 25.8 20.5 30.7
77 15.9 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 44.888 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 75 Resp: 178136
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 39.1 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 45.812 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

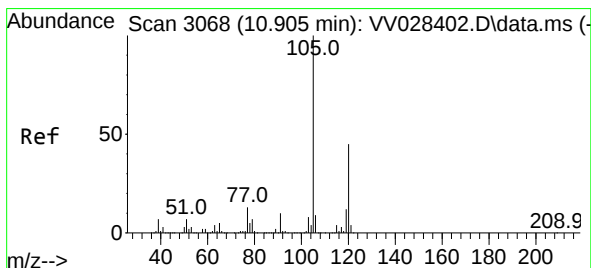
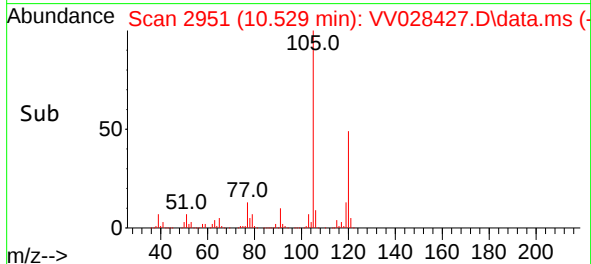
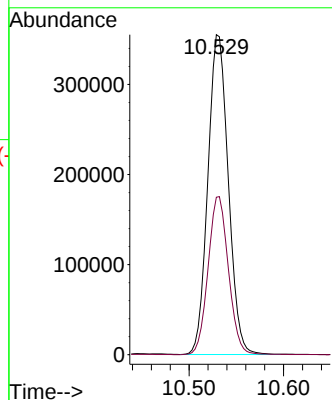
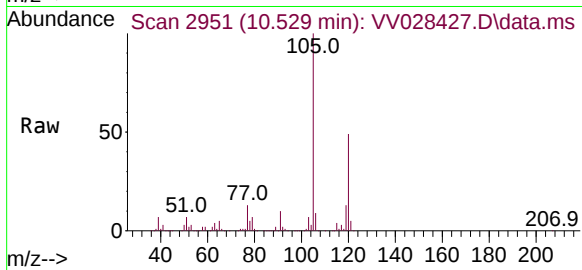
VSTD050350

Tgt Ion:105 Resp: 532963

Ion Ratio Lower Upper

105 100

120 49.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 45.497 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV028427.D

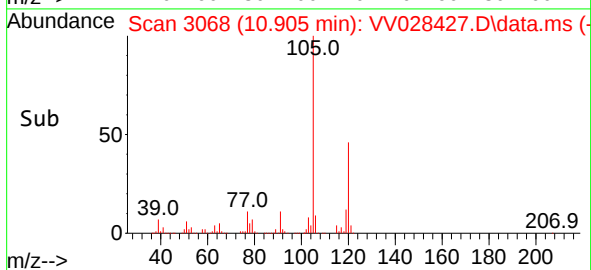
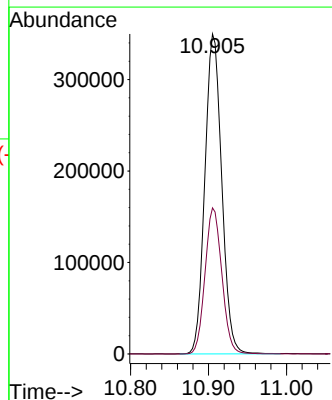
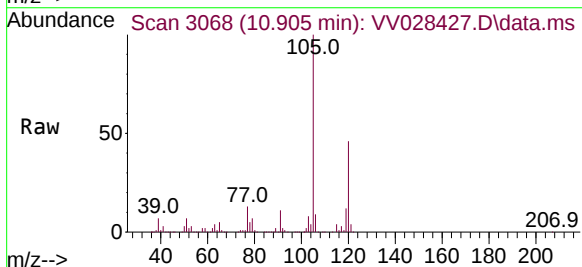
Acq: 07 Oct 2022 23:13

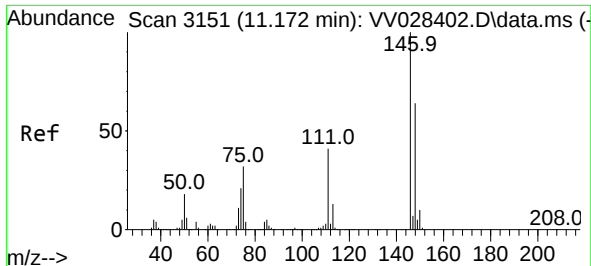
Tgt Ion:105 Resp: 525378

Ion Ratio Lower Upper

105 100

120 45.5 35.9 53.9

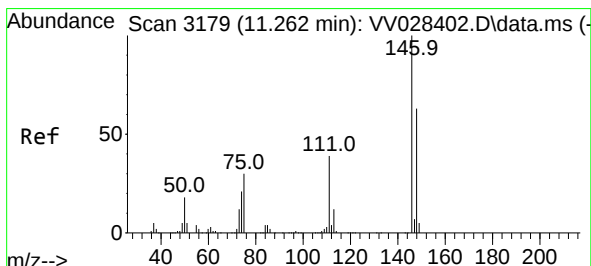
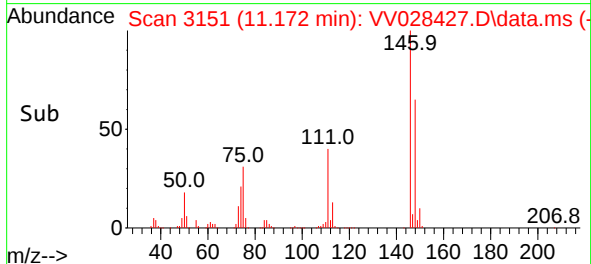
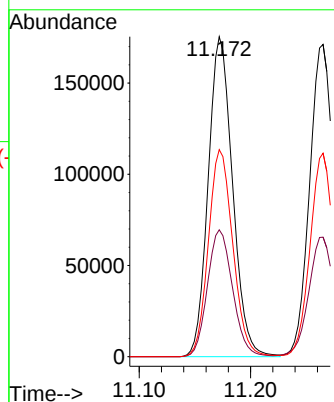
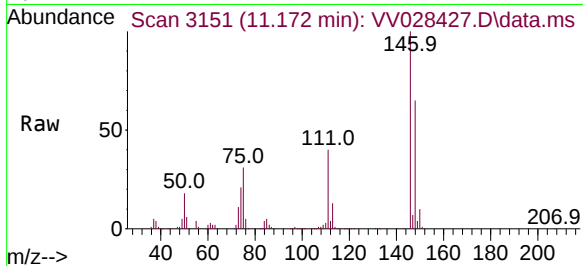




#64
1,3-Dichlorobenzene
Concen: 45.464 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

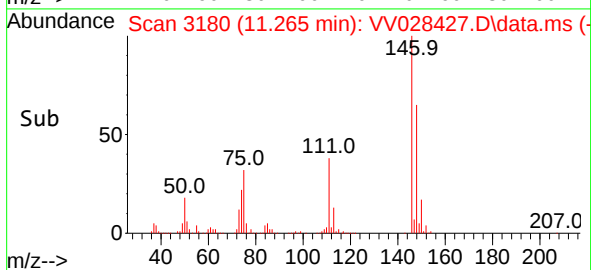
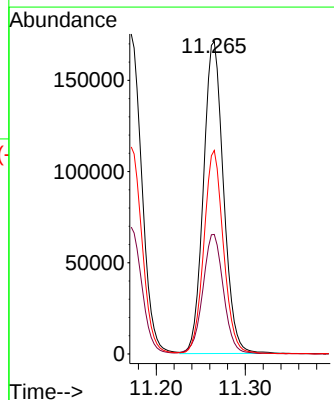
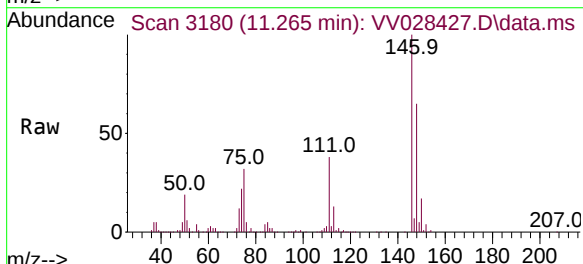
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

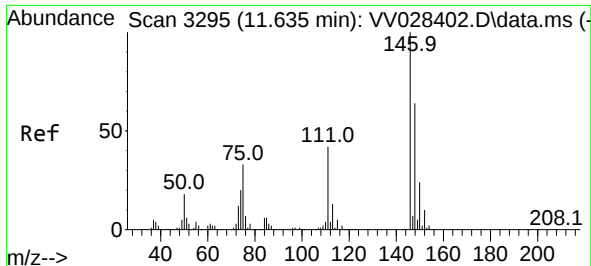
Tgt Ion:146 Resp: 267109
Ion Ratio Lower Upper
146 100
111 39.6 29.0 53.9
148 64.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 45.692 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion:146 Resp: 267862
Ion Ratio Lower Upper
146 100
111 38.3 26.6 49.4
148 65.2 43.4 80.6

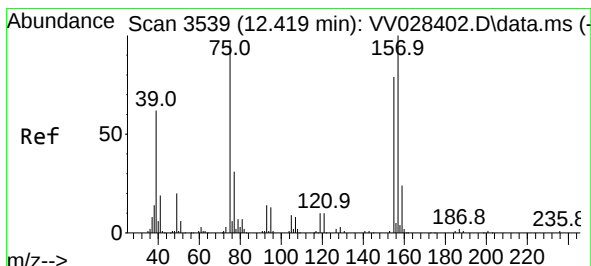
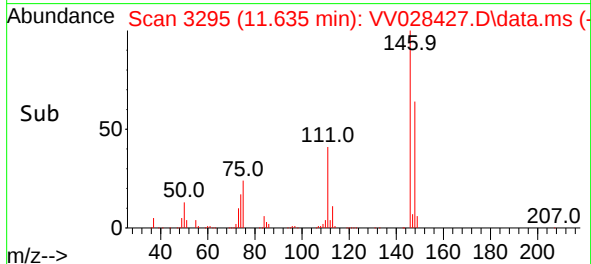
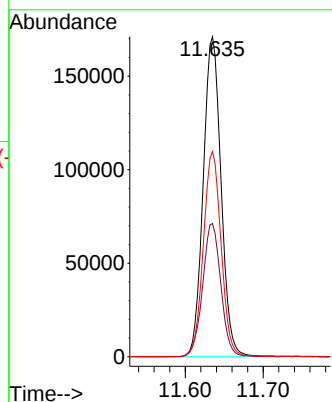
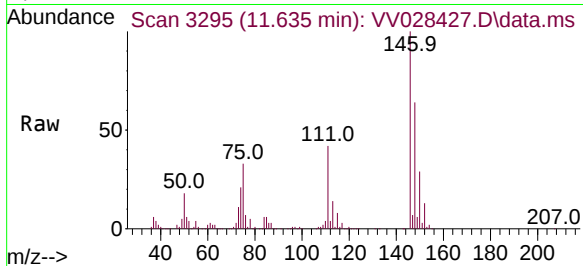




#67
1,2-Dichlorobenzene
Concen: 45.947 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

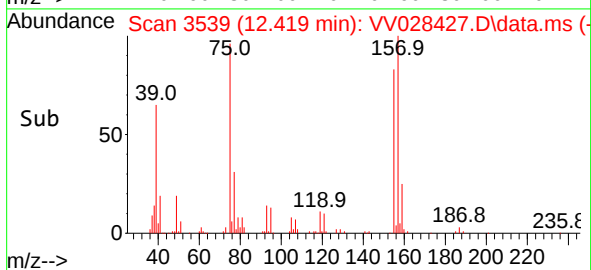
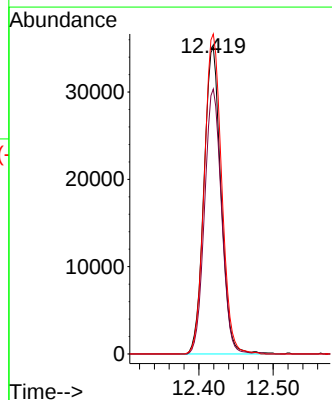
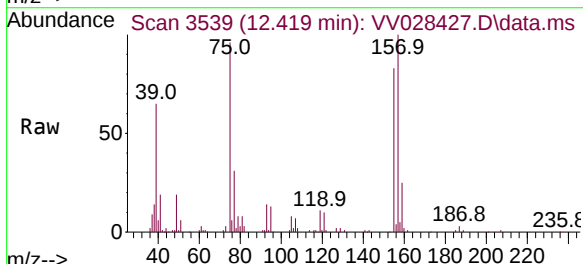
Instrument :
MSVOA_V
ClientSampleId :
VSTD050350

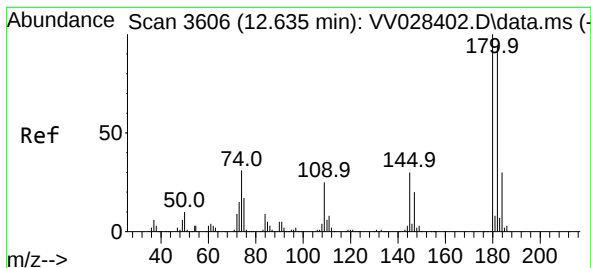
Tgt Ion:146 Resp: 272450
Ion Ratio Lower Upper
146 100
111 41.6 33.9 50.9
148 64.2 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 46.003 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VV028427.D
Acq: 07 Oct 2022 23:13

Tgt Ion: 75 Resp: 55867
Ion Ratio Lower Upper
75 100
155 86.4 65.0 97.6
157 104.4 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 45.575 ug/L

RT: 12.635 min Scan# 30

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

Tgt Ion:180 Resp: 203366

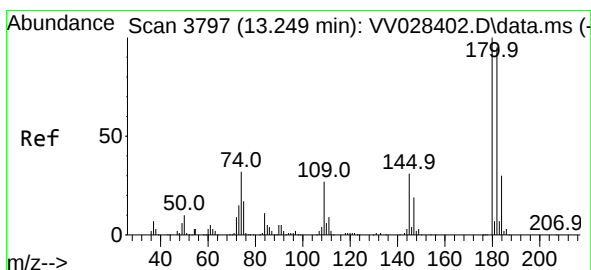
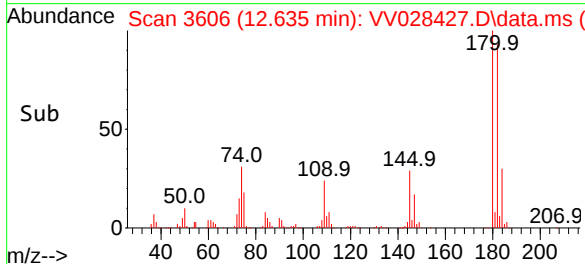
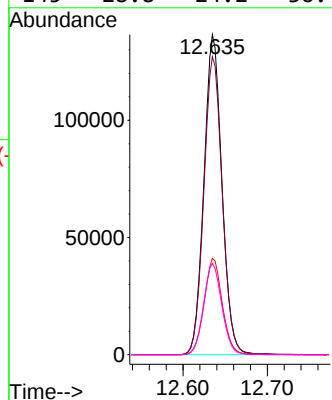
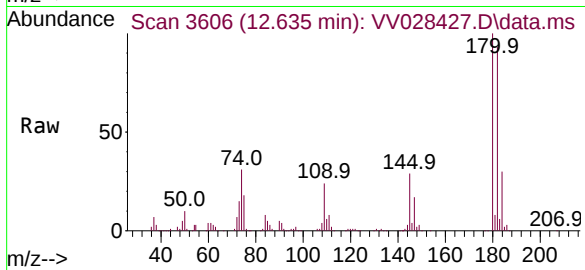
Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

184 30.3 24.0 36.0

145 28.8 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 45.904 ug/L

RT: 13.252 min Scan# 3798

Delta R.T. 0.003 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

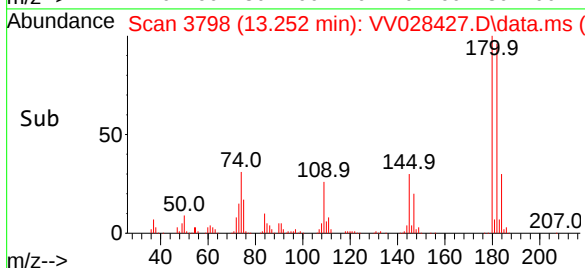
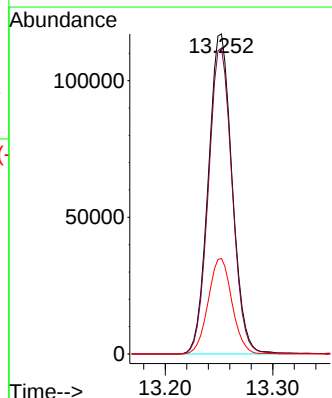
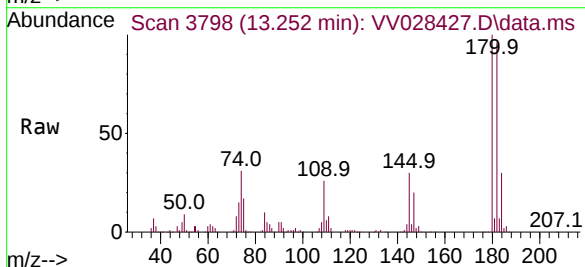
Tgt Ion:180 Resp: 180542

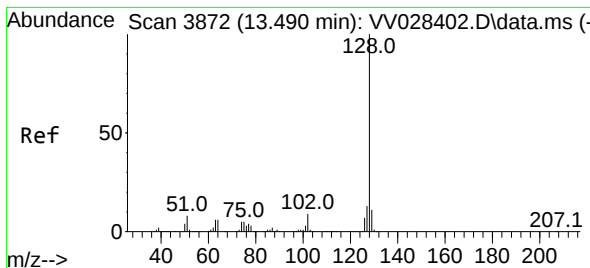
Ion Ratio Lower Upper

180 100

182 95.0 75.3 112.9

145 29.8 24.3 36.5





#71

Naphthalene

Concen: 46.086 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD050350

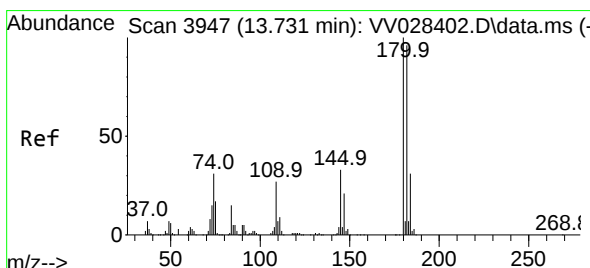
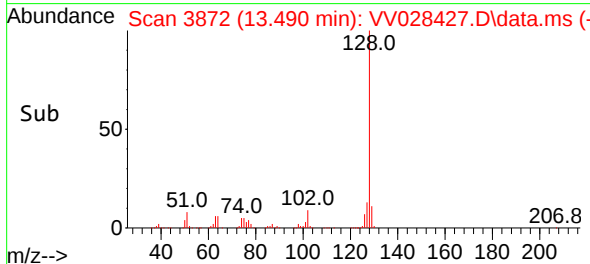
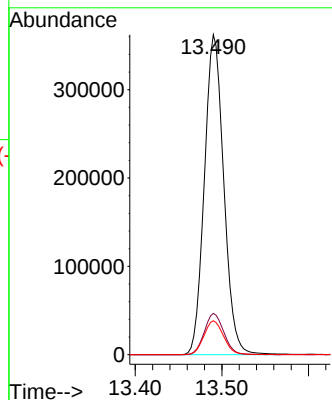
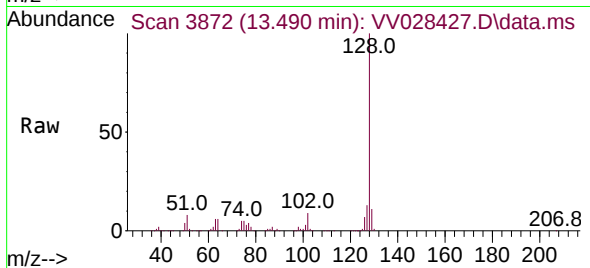
Tgt Ion:128 Resp: 563769

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.7 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 47.344 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028427.D

Acq: 07 Oct 2022 23:13

Tgt Ion:180 Resp: 181546

Ion Ratio Lower Upper

180 100

182 95.5 75.4 113.0

145 32.3 26.5 39.7

