

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028744.D
 Acq On : 28 Oct 2022 03:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005338

Quant Time: Oct 28 05:39:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 05:21:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	204199	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	192714	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	92062	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	49457	3.482	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.564	69	49391	4.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.108	63	115527	4.206	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	3.908	46	187523	57.908	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.820%
24) Chloroform-d	4.342	84	110972	4.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.030	65	56611	4.524	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.047	84	204440	3.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.066	67	74519	4.568	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.310	98	171650	4.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.622	79	18350	3.620	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.088	63	131597	55.777	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.560%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	52766	4.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.600%
66) 1,2-Dichlorobenzene-d4	11.615	152	57948	4.563	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	41711	4.844	ug/L	96
3) Chloromethane	1.240	50	69563	4.327	ug/L	97
5) Vinyl chloride	1.310	62	69548	4.354	ug/L	98
6) Bromomethane	1.519	94	31606	4.142	ug/L	97
8) Chloroethane	1.584	64	79348	7.306	ug/L	88
9) Trichlorofluoromethane	1.751	101	99570	4.677	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	59367	4.693	ug/L	98
12) 1,1-Dichloroethene	2.114	96	51734	4.610	ug/L	89
13) Acetone	2.195	43	114731	59.691	ug/L	92
14) Carbon disulfide	2.291	76	86927	3.355	ug/L	99
15) Methyl Acetate	2.439	43	25703	4.407	ug/L	99
16) Methylene chloride	2.503	84	110803	7.159	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	139440	4.736	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	51702	4.577	ug/L	94
19) 1,1-Dichloroethane	3.185	63	128676	4.720	ug/L	97
21) 2-Butanone	3.989	43	160018	48.439	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	64930	4.795	ug/L #	98
23) Bromochloromethane	4.246	128	23905	4.723	ug/L	88
25) Chloroform	4.368	83	122934	4.636	ug/L	98

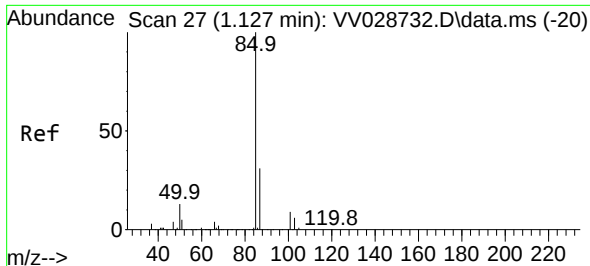
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	71280	4.549	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	89482	3.860	ug/L	98
30) Cyclohexane	4.674	56	93246	3.882	ug/L	98
31) Carbon tetrachloride	4.821	117	68238	3.665	ug/L	99
33) Benzene	5.095	78	253092	4.394	ug/L	100
34) Trichloroethene	5.911	95	59832	4.193	ug/L	97
35) Methylcyclohexane	6.127	83	87049	4.416	ug/L	99
37) 1,2-Dichloropropane	6.169	63	71029	4.827	ug/L	98
38) Bromodichloromethane	6.506	83	76081	4.323	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	73967	4.146	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	456980	52.448	ug/L	98
42) Toluene	7.384	91	260596	4.772	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	59575	4.144	ug/L	96
45) 1,1,2-Trichloroethane	7.834	97	43911	4.855	ug/L	96
47) Tetrachloroethene	7.969	164	37872	4.324	ug/L	98
48) 2-Hexanone	8.140	43	317492	51.499	ug/L	98
49) Dibromochloromethane	8.243	129	40285	4.252	ug/L	95
50) 1,2-Dibromoethane	8.349	107	34349	4.362	ug/L	90
51) Chlorobenzene	8.876	112	165643	4.817	ug/L	98
52) Ethylbenzene	9.008	91	286060	4.713	ug/L	99
53) m,p-Xylene	9.133	106	103439	4.720	ug/L	98
54) o-Xylene	9.538	106	103369	4.689	ug/L	99
55) Styrene	9.554	104	177247	4.768	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	54385	4.794	ug/L	98
59) Bromoform	9.728	173	17615	3.897	ug/L	97
60) Isopropylbenzene	9.924	105	288430	4.979	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	38778	4.906	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	80936	4.789	ug/L	100
63) 1,2,4-Trimethylbenzene	10.908	105	226728	4.844	ug/L	99
64) 1,3-Dichlorobenzene	11.175	146	118916	4.765	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	116937	4.697	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	109525	4.800	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.419	75	6251	3.841	ug/L	85
69) 1,3,5-Trichlorobenzene	12.635	180	85570	4.516	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	67136	4.653	ug/L	99
71) Naphthalene	13.493	128	101834	4.119	ug/L	98
72) 1,2,3-Trichlorobenzene	13.731	180	59300	4.638	ug/L	98

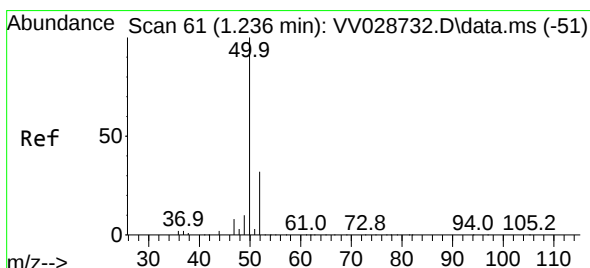
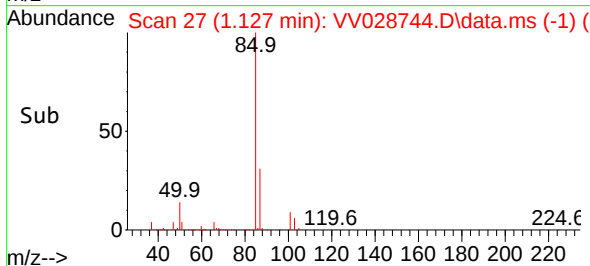
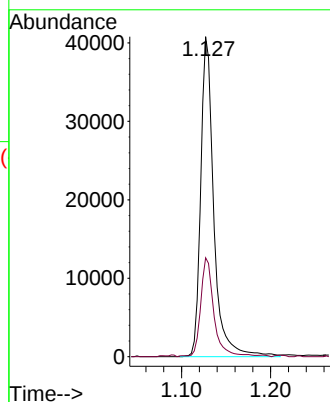
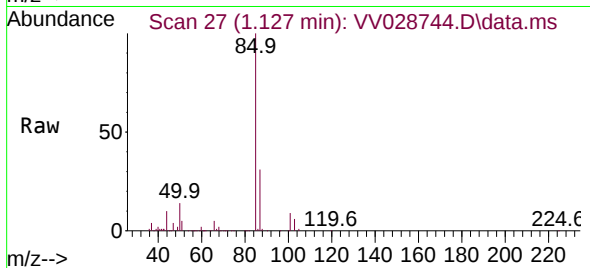
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#2
 Dichlorodifluoromethane
 Concen: 4.844 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

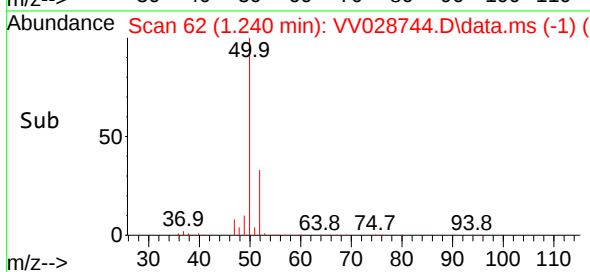
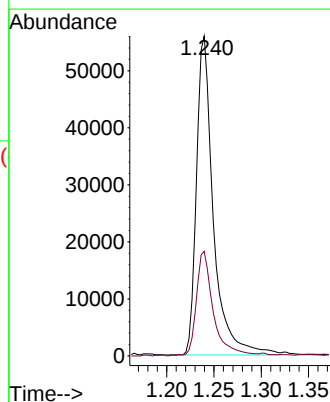
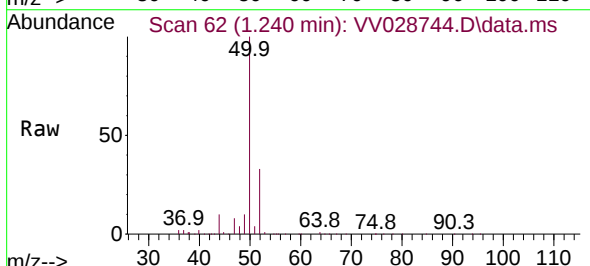
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005338

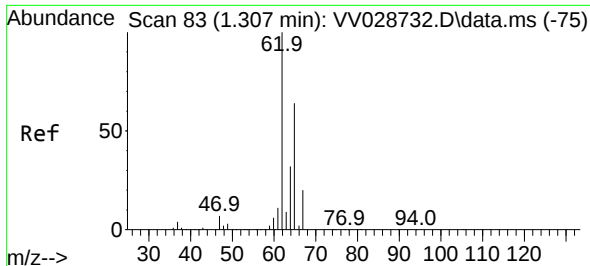
Tgt Ion: 85 Resp: 41711
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.6 40.0



#3
 Chloromethane
 Concen: 4.327 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

Tgt Ion: 50 Resp: 69563
 Ion Ratio Lower Upper
 50 100
 52 32.7 21.8 40.6

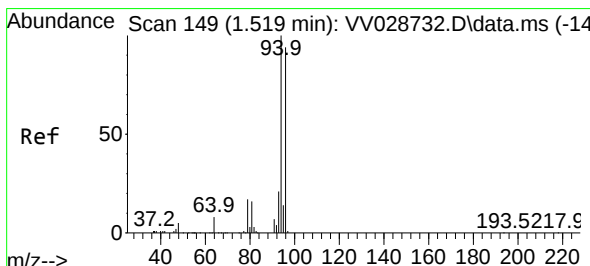
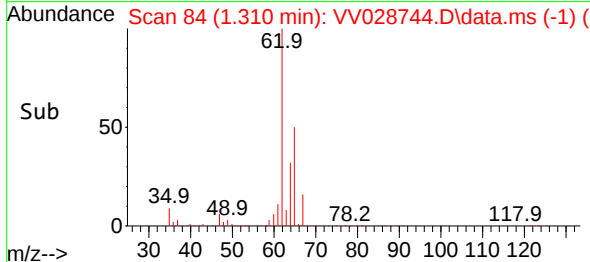
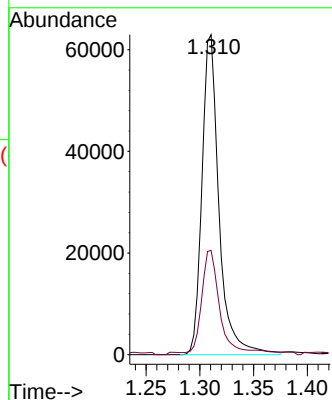
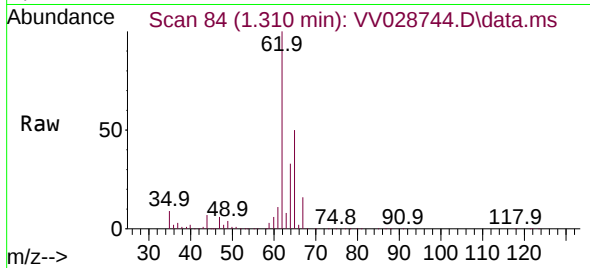




#5
 Vinyl chloride
 Concen: 4.354 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

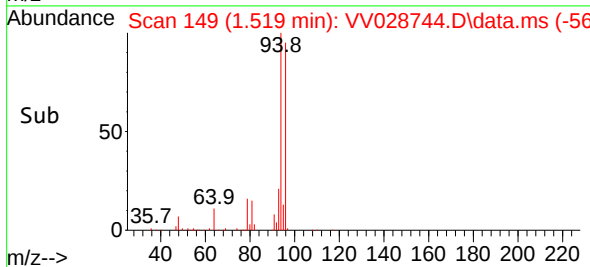
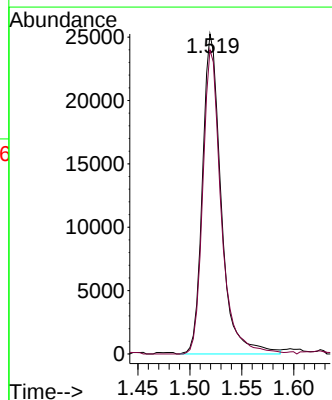
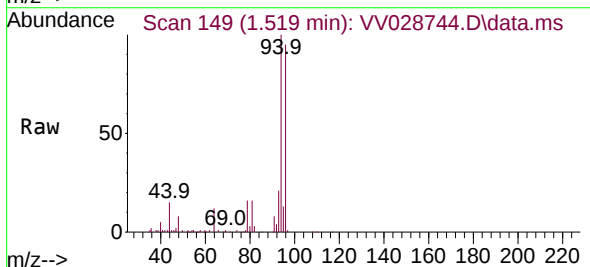
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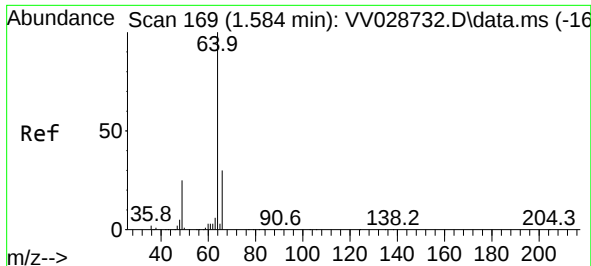
Tgt Ion: 62 Resp: 69548
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.0 41.0



#6
 Bromomethane
 Concen: 4.142 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

Tgt Ion: 94 Resp: 31606
 Ion Ratio Lower Upper
 94 100
 96 95.1 64.3 119.3

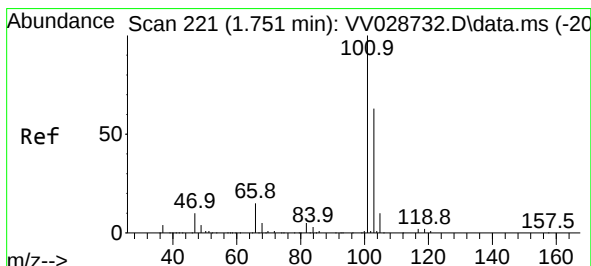
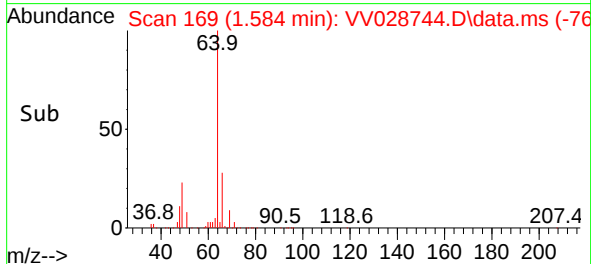
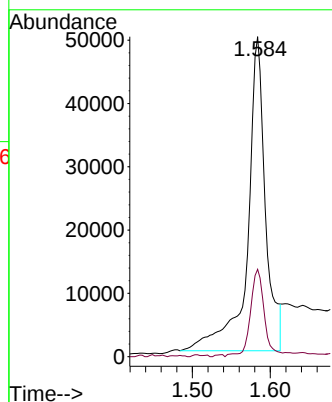
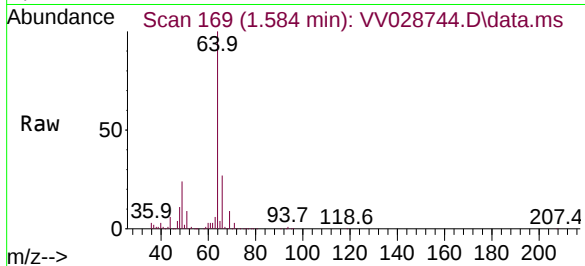




#8
Chloroethane
Concen: 7.306 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

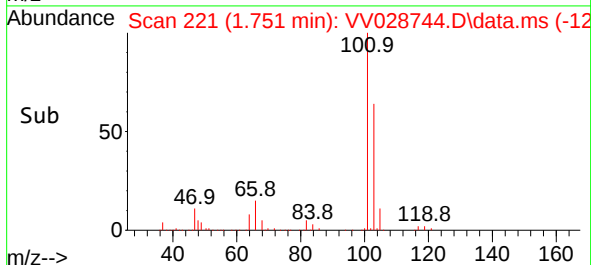
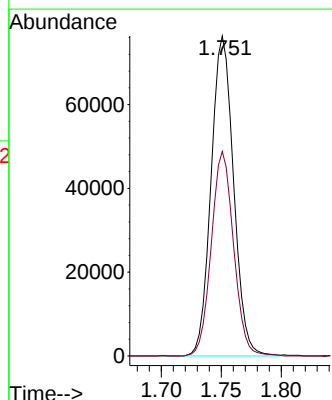
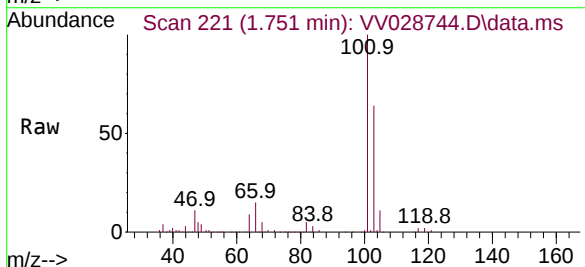
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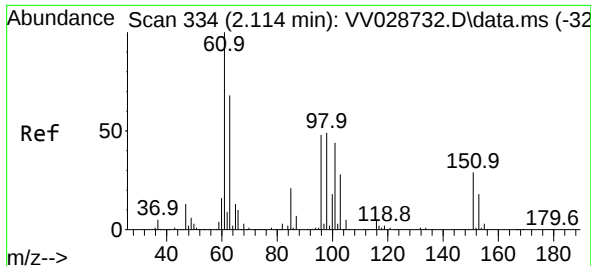
Tgt Ion: 64 Resp: 79348
Ion Ratio Lower Upper
64 100
66 27.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.677 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 101 Resp: 99570
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.6

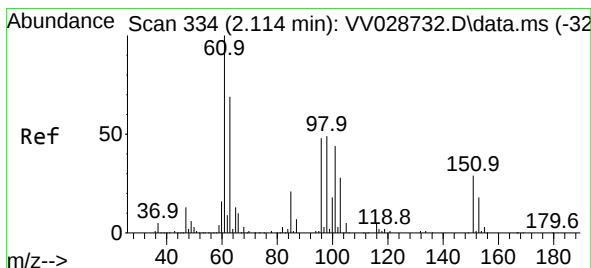
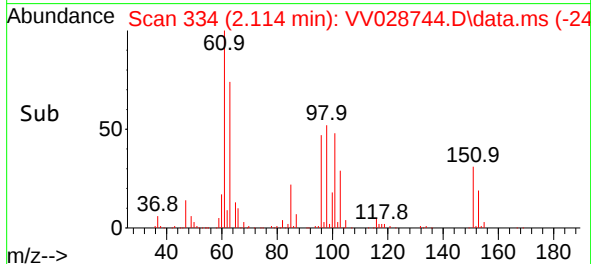
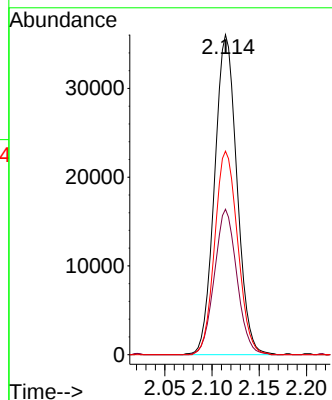
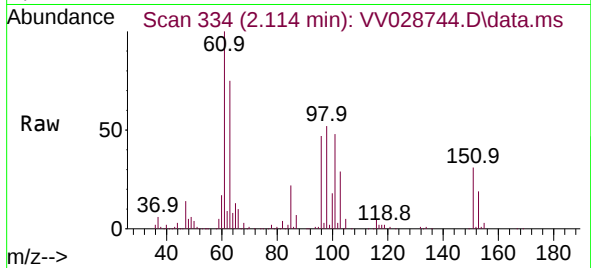




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.693 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

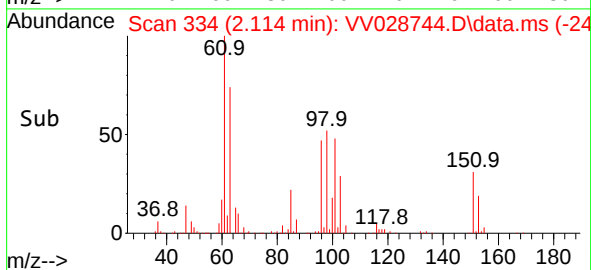
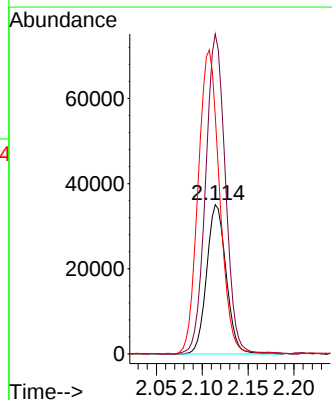
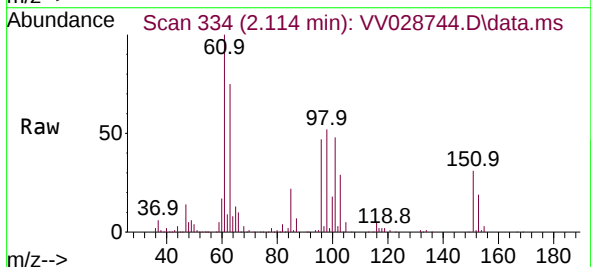
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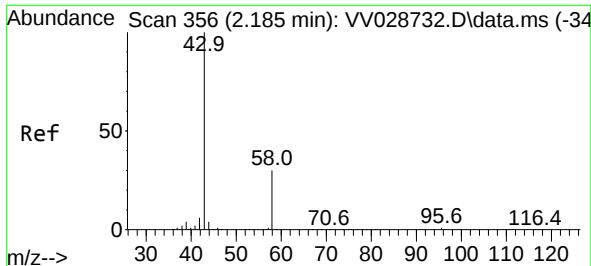
Tgt Ion:101 Resp: 59367
 Ion Ratio Lower Upper
 101 100
 85 45.7 37.0 55.6
 151 65.4 50.2 75.2



#12
 1,1-Dichloroethene
 Concen: 4.610 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

Tgt Ion: 96 Resp: 51734
 Ion Ratio Lower Upper
 96 100
 61 214.3 148.1 275.1
 63 159.9 133.3 247.7





#13

Acetone

Concen: 59.691 ug/L

RT: 2.195 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

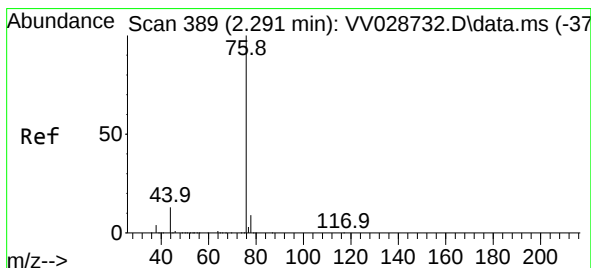
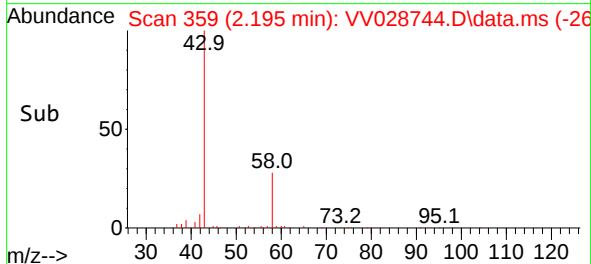
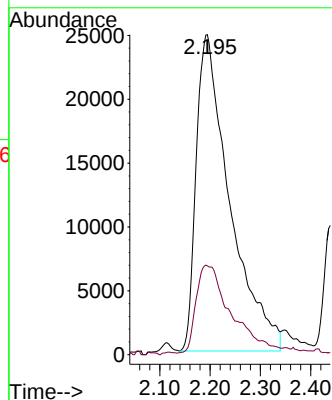
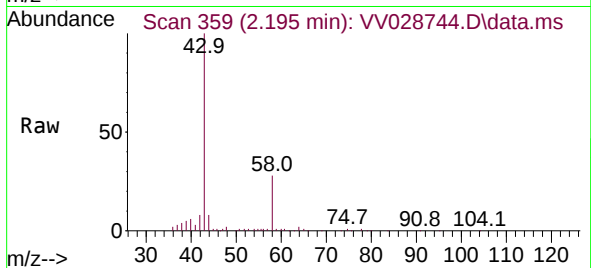
VSTD005338

Tgt Ion: 43 Resp: 114731

Ion Ratio Lower Upper

43 100

58 29.2 0.0 50.2



#14

Carbon disulfide

Concen: 3.355 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV028744.D

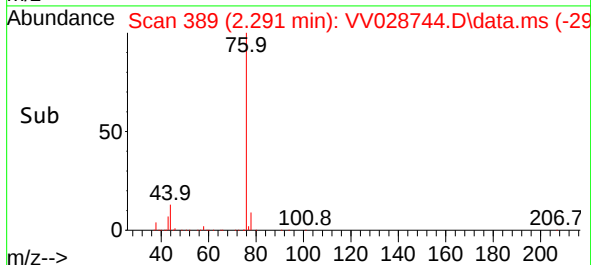
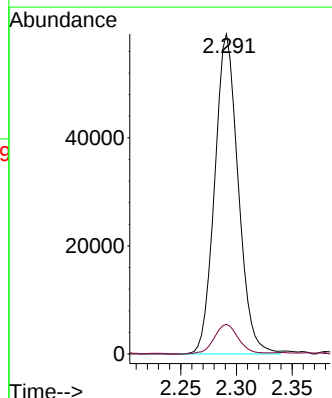
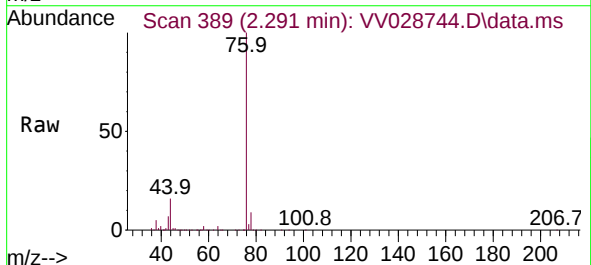
Acq: 28 Oct 2022 03:08

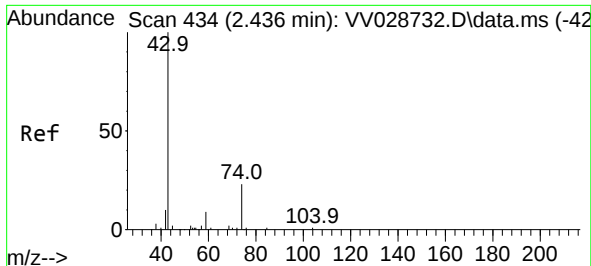
Tgt Ion: 76 Resp: 86927

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

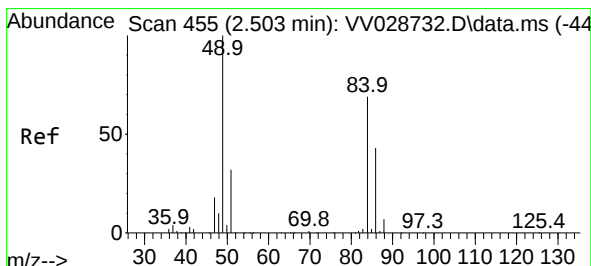
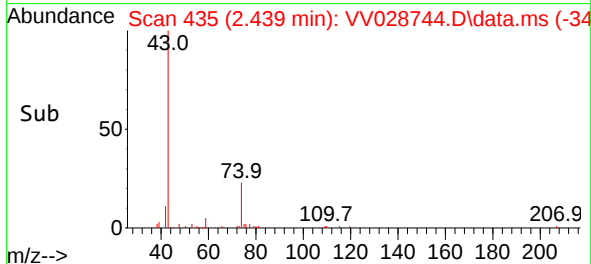
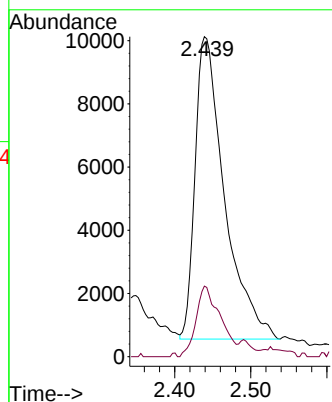
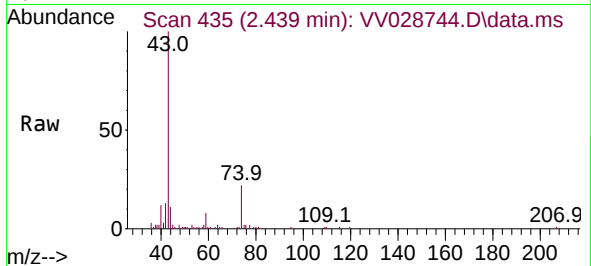




#15
Methyl Acetate
Concen: 4.407 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

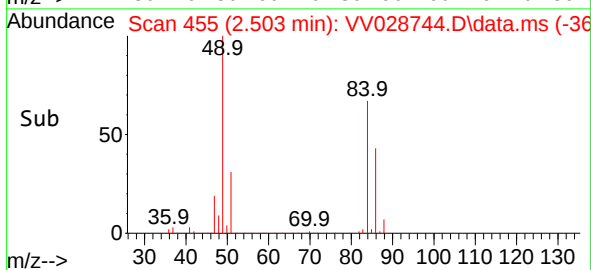
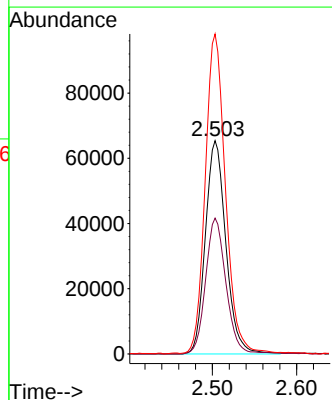
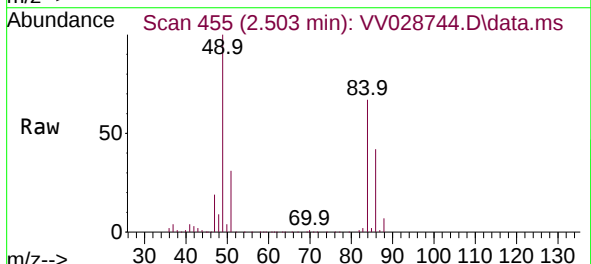
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

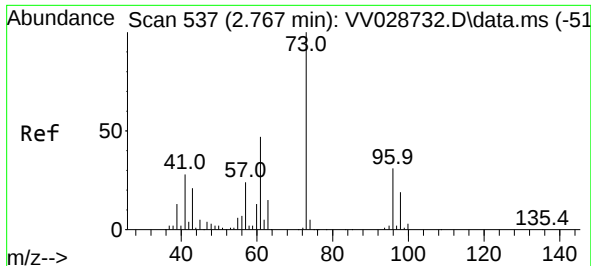
Tgt Ion: 43 Resp: 25703
Ion Ratio Lower Upper
43 100
74 19.2 14.9 22.3



#16
Methylene chloride
Concen: 7.159 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 84 Resp: 110803
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.4
49 150.0 110.8 205.8





#17

Methyl tert-butyl Ether

Concen: 4.736 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

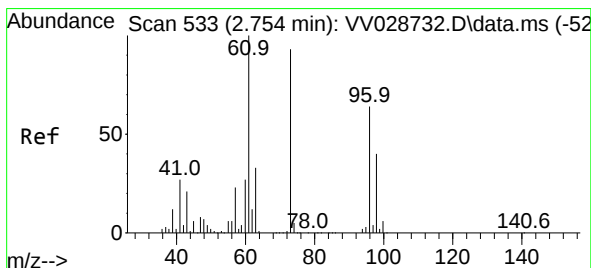
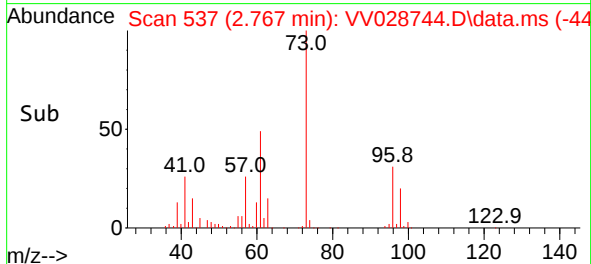
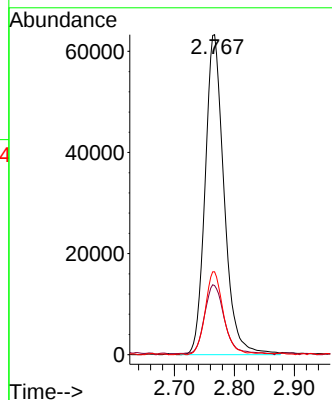
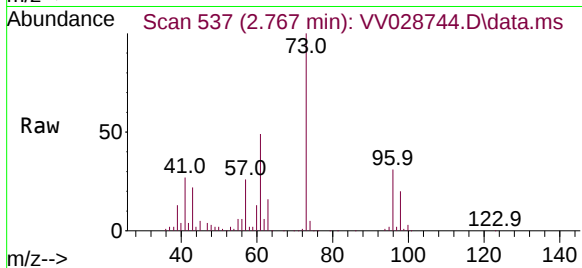
Tgt Ion: 73 Resp: 139440

Ion Ratio Lower Upper

73 100

43 23.8 18.0 27.0

57 24.7 20.0 30.0



#18

trans-1,2-Dichloroethene

Concen: 4.577 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

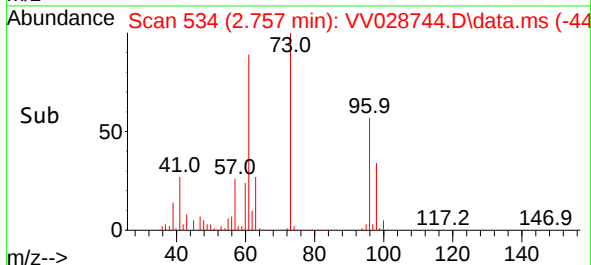
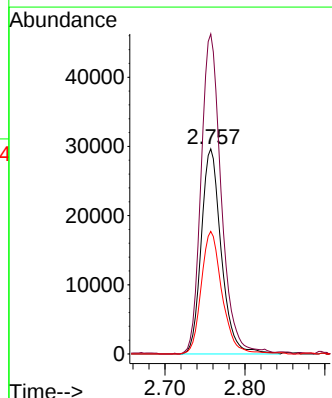
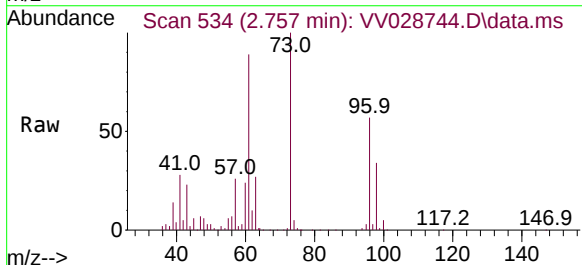
Tgt Ion: 96 Resp: 51702

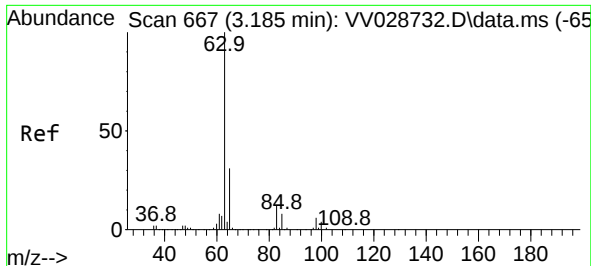
Ion Ratio Lower Upper

96 100

61 156.0 114.3 212.3

98 59.7 45.0 83.6





#19

1,1-Dichloroethane

Concen: 4.720 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

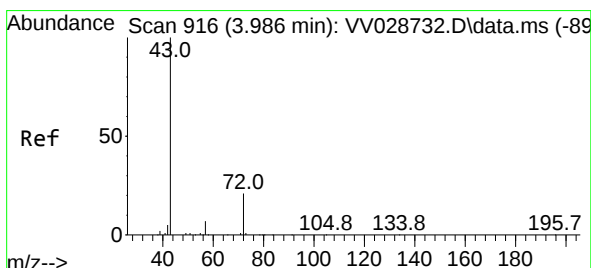
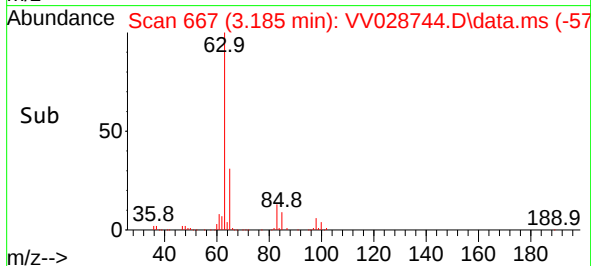
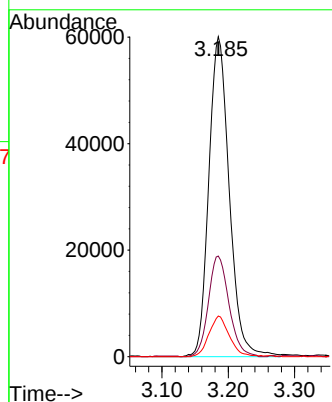
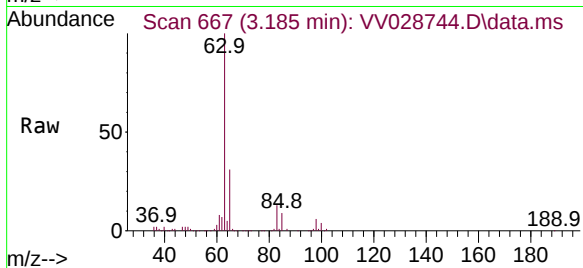
Tgt Ion: 63 Resp: 128676

Ion Ratio Lower Upper

63 100

65 31.5 23.1 42.9

83 12.7 7.9 14.7



#21

2-Butanone

Concen: 48.439 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.003 min

Lab File: VV028744.D

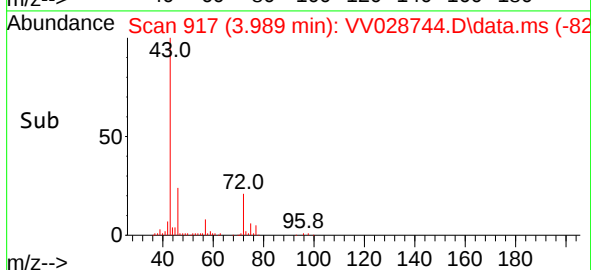
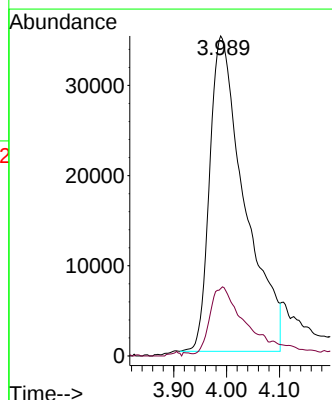
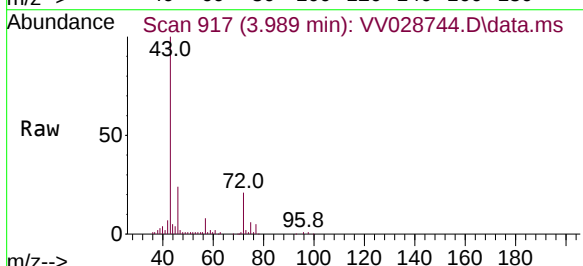
Acq: 28 Oct 2022 03:08

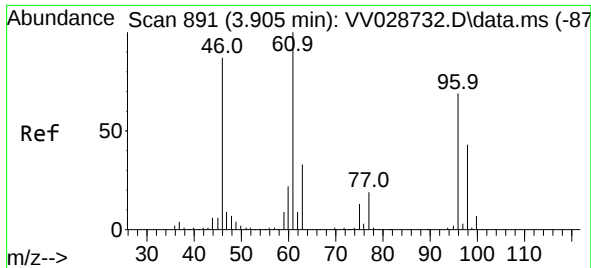
Tgt Ion: 43 Resp: 160018

Ion Ratio Lower Upper

43 100

72 20.0 10.2 30.4

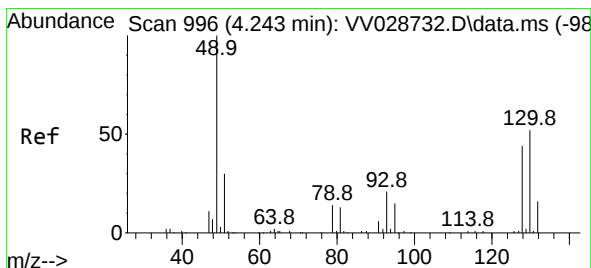
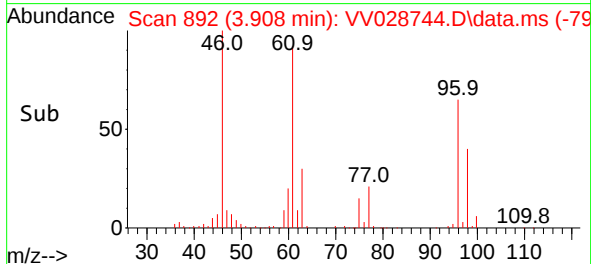
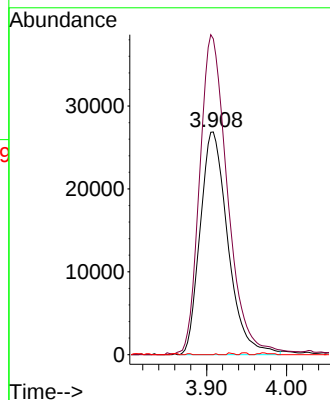
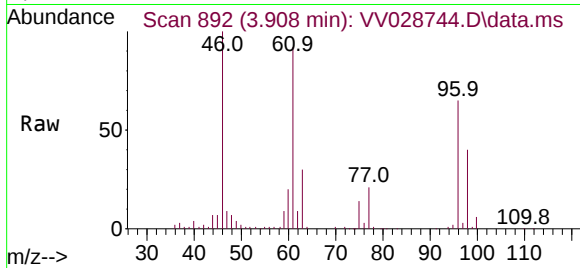




#22
 cis-1,2-Dichloroethene
 Concen: 4.795 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

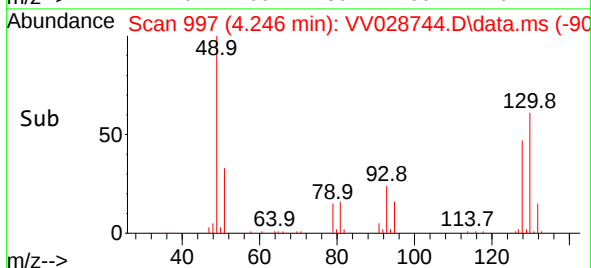
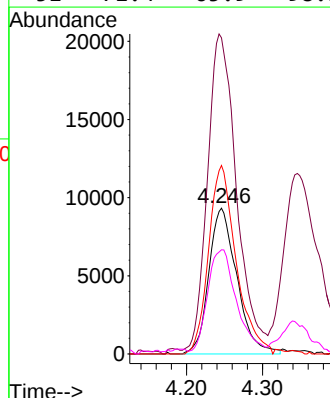
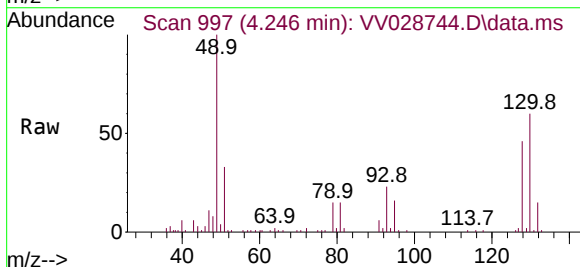
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005338

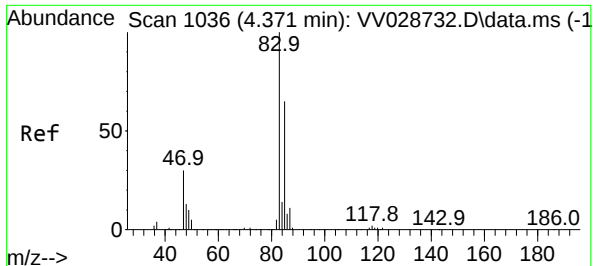
Tgt Ion: 96 Resp: 64930
 Ion Ratio Lower Upper
 96 100
 61 141.8 101.4 188.2
 68 0.0 0.5 0.9#



#23
 Bromochloromethane
 Concen: 4.723 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.003 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

Tgt Ion:128 Resp: 23905
 Ion Ratio Lower Upper
 128 100
 49 216.8 171.1 317.7
 130 129.3 86.4 160.4
 51 71.4 65.9 98.9





#25

Chloroform

Concen: 4.636 ug/L

RT: 4.368 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

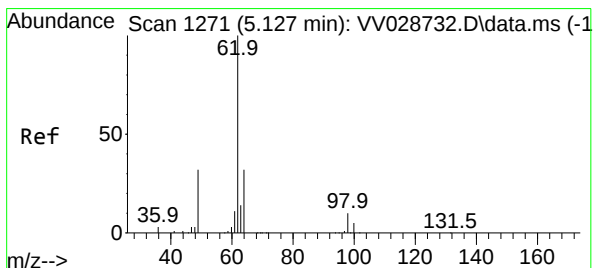
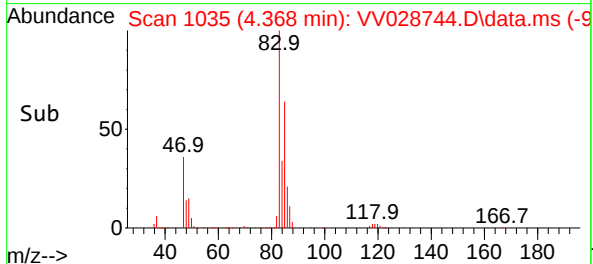
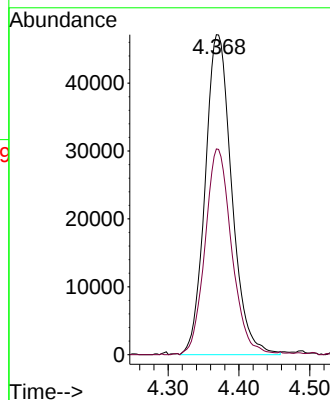
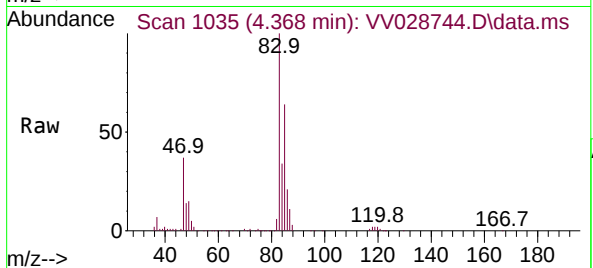
VSTD005338

Tgt Ion: 83 Resp: 122934

Ion Ratio Lower Upper

83 100

85 64.3 44.1 81.9



#27

1,2-Dichloroethane

Concen: 4.549 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV028744.D

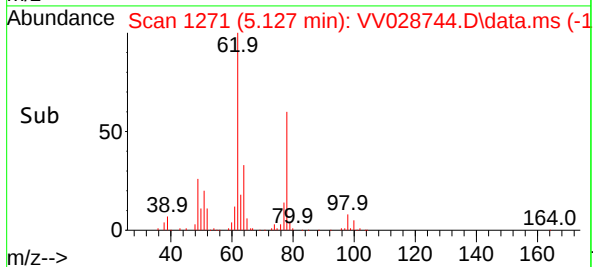
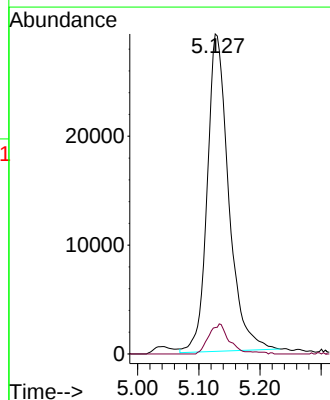
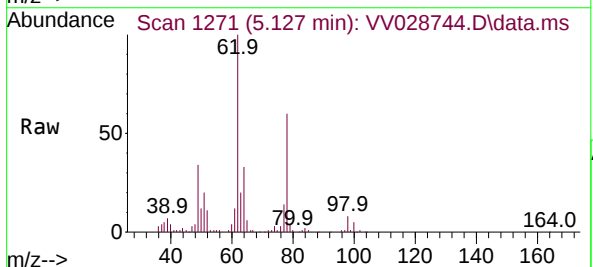
Acq: 28 Oct 2022 03:08

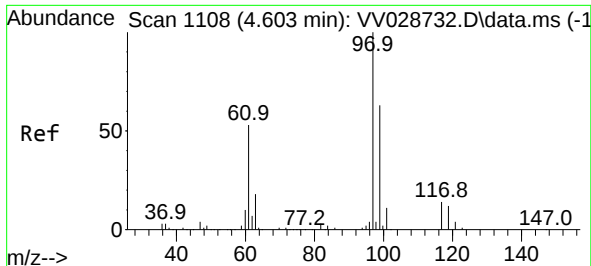
Tgt Ion: 62 Resp: 71280

Ion Ratio Lower Upper

62 100

98 8.3 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 3.860 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

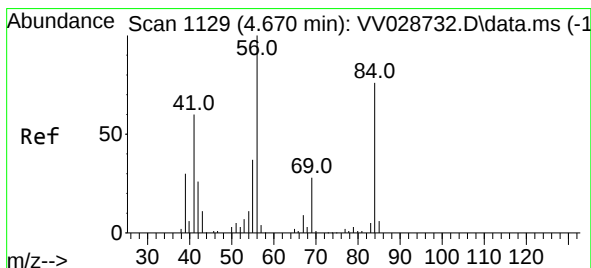
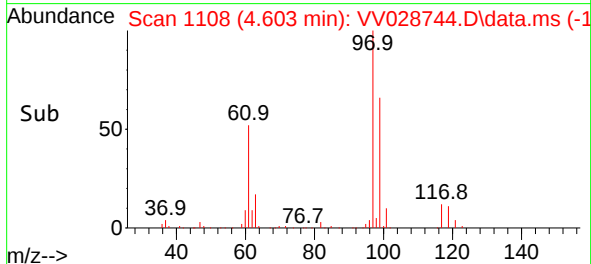
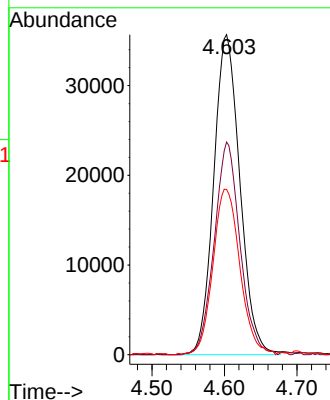
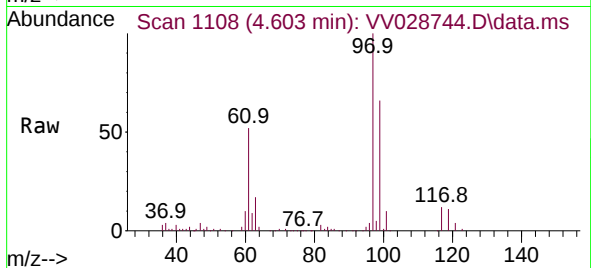
Tgt Ion: 97 Resp: 89482

Ion Ratio Lower Upper

97 100

99 65.4 50.5 75.7

61 53.3 43.1 64.7



#30

Cyclohexane

Concen: 3.882 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

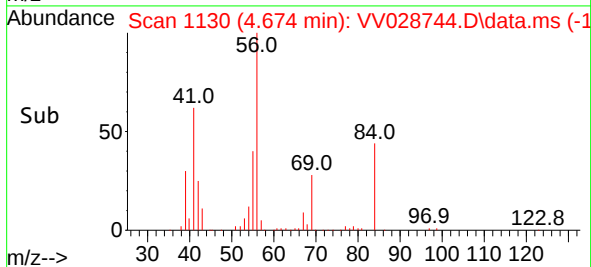
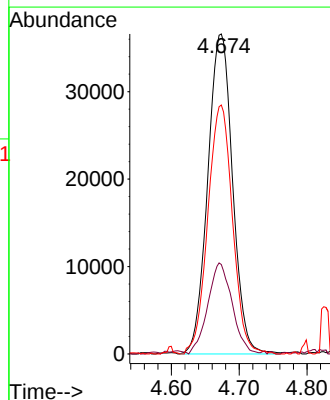
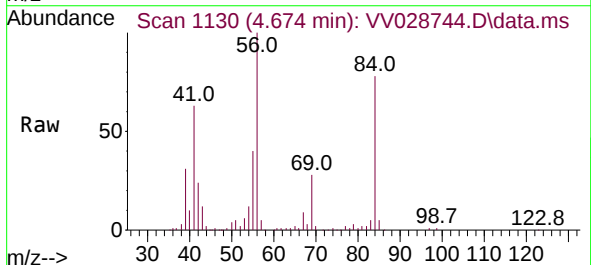
Tgt Ion: 56 Resp: 93246

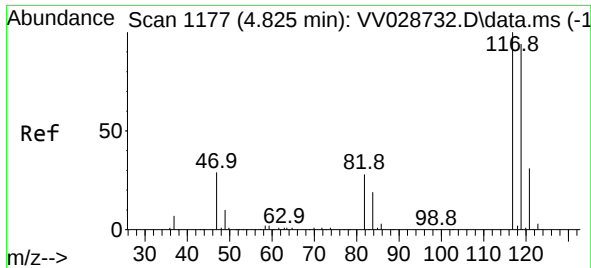
Ion Ratio Lower Upper

56 100

69 27.8 22.6 34.0

84 77.3 60.4 90.6

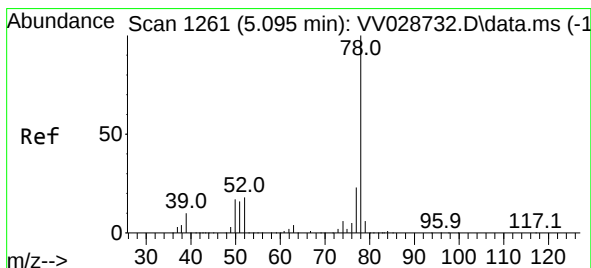
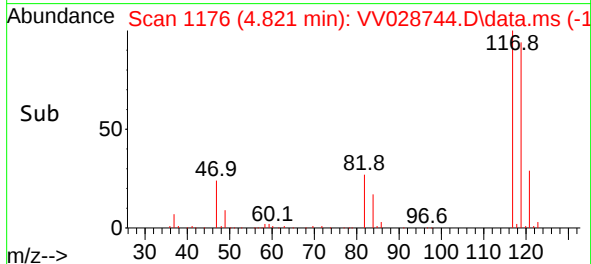
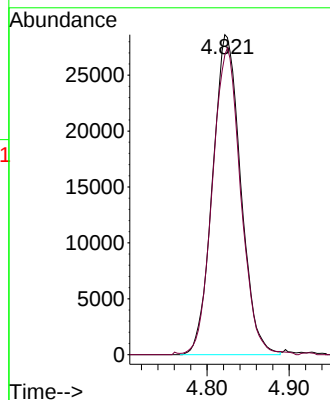
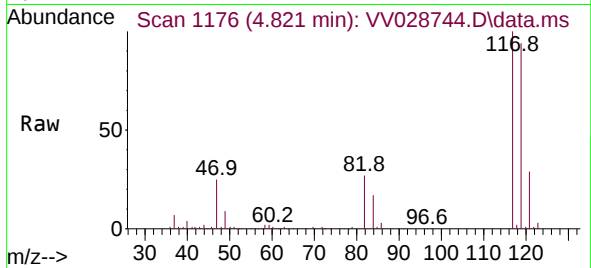




#31
Carbon tetrachloride
Concen: 3.665 ug/L
RT: 4.821 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

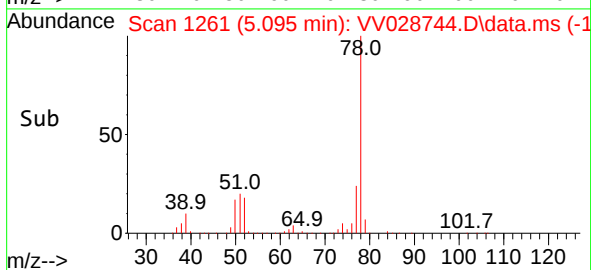
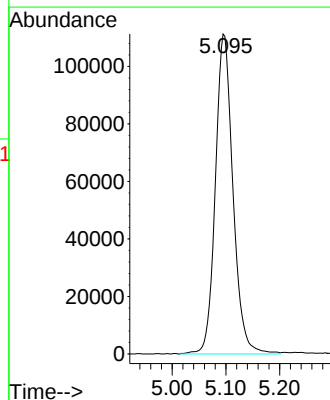
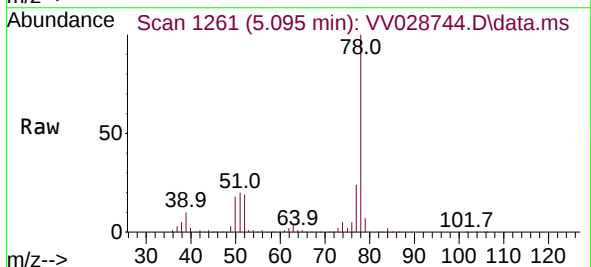
Instrument : MSVOA_V
ClientSampleId : VSTD005338

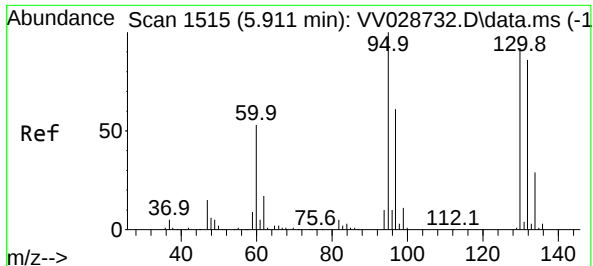
Tgt Ion:117 Resp: 68238
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1



#33
Benzene
Concen: 4.394 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 78 Resp: 253092





#34

Trichloroethene

Concen: 4.193 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

Tgt Ion: 95 Resp: 59832

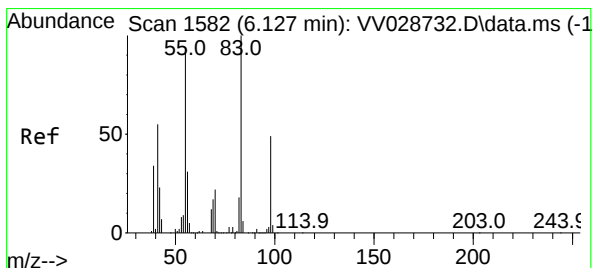
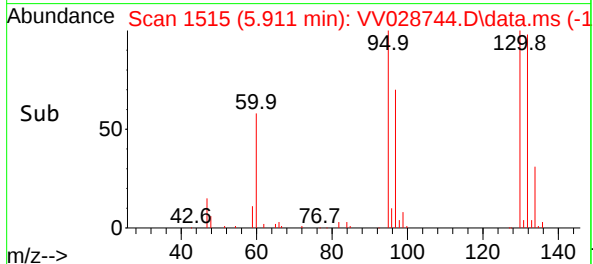
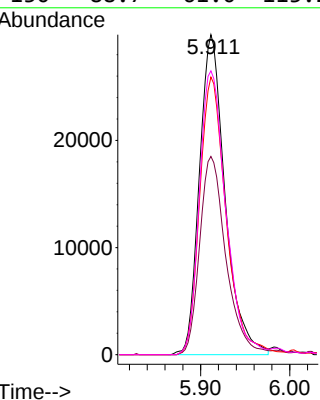
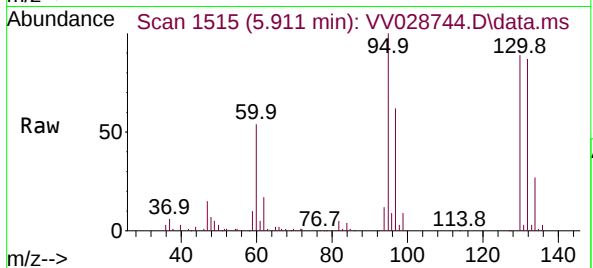
Ion Ratio Lower Upper

95 100

97 62.0 43.5 80.9

132 86.8 56.5 104.9

130 88.7 61.0 113.2



#35

Methylcyclohexane

Concen: 4.416 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

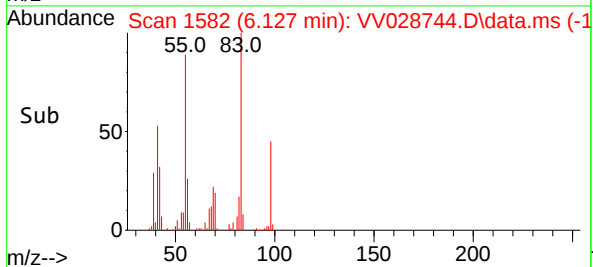
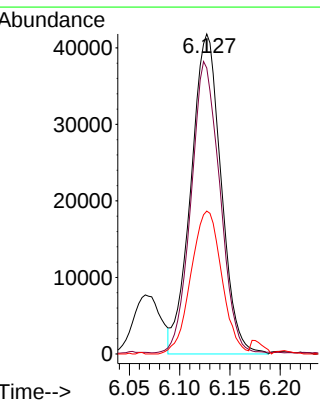
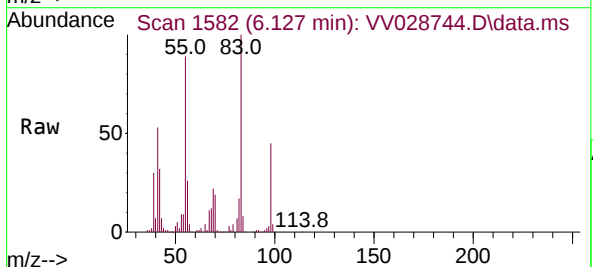
Tgt Ion: 83 Resp: 87049

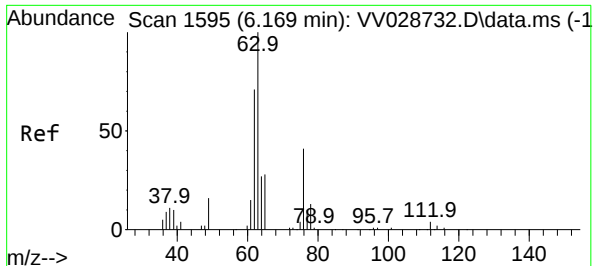
Ion Ratio Lower Upper

83 100

55 86.9 70.0 105.0

98 45.5 35.6 53.4





#37

1,2-Dichloropropane

Concen: 4.827 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

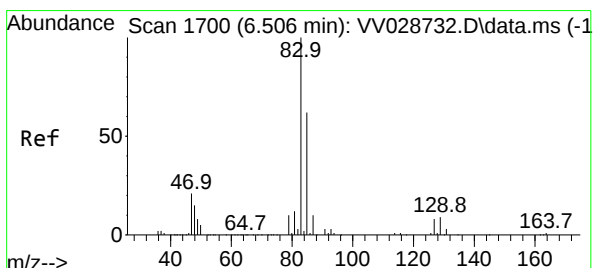
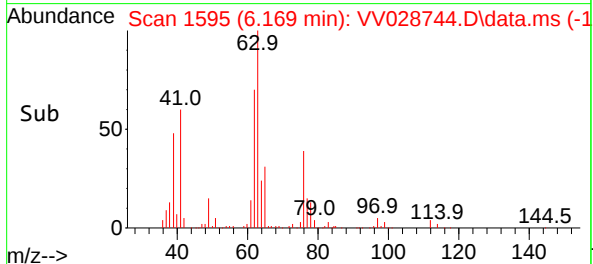
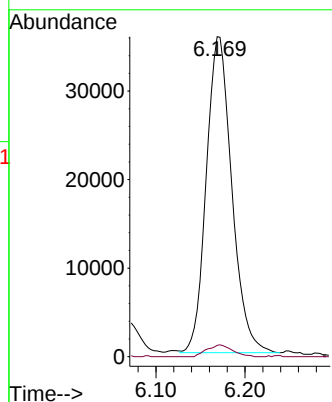
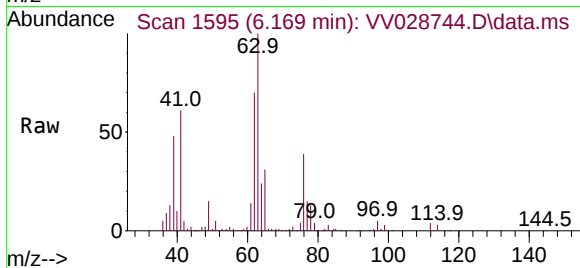
VSTD005338

Tgt Ion: 63 Resp: 71029

Ion Ratio Lower Upper

63 100

112 3.7 3.4 5.2



#38

Bromodichloromethane

Concen: 4.323 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

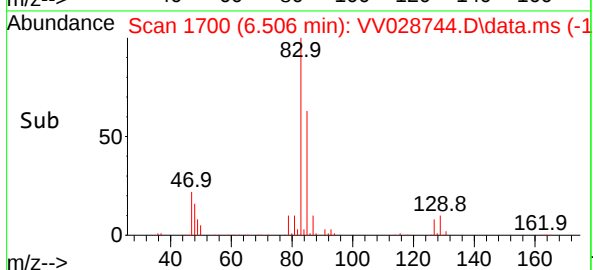
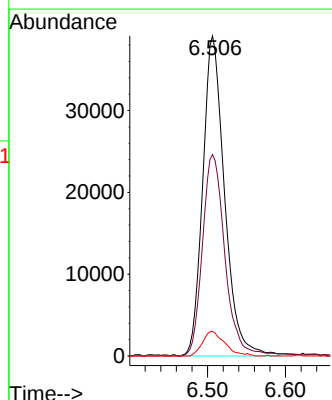
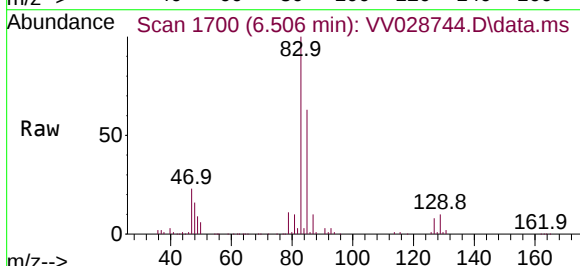
Tgt Ion: 83 Resp: 76081

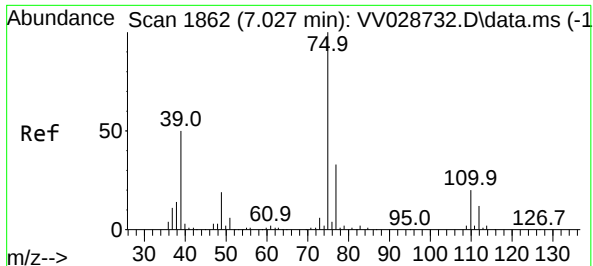
Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

127 7.7 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.146 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

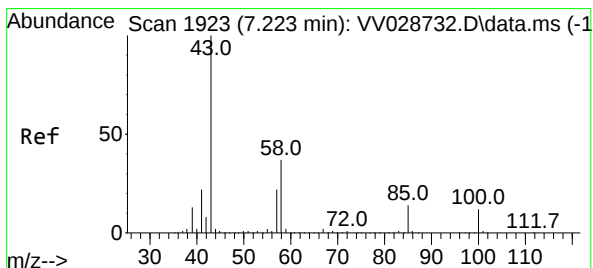
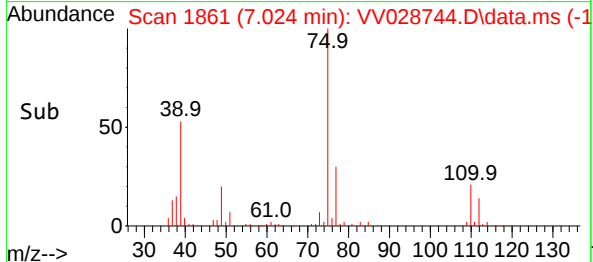
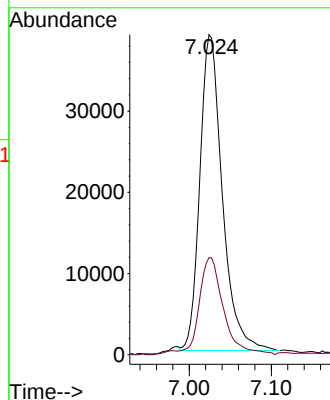
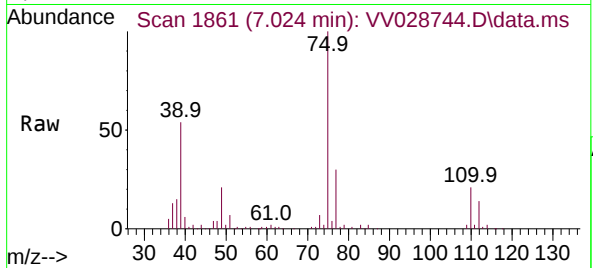
VSTD005338

Tgt Ion: 75 Resp: 73967

Ion Ratio Lower Upper

75 100

77 30.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 52.448 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

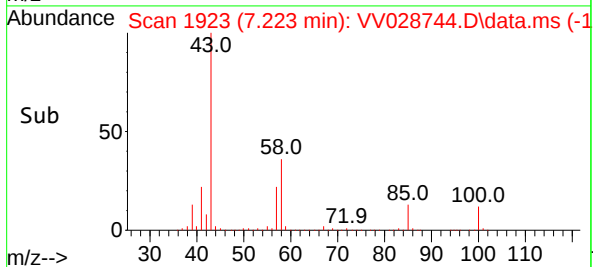
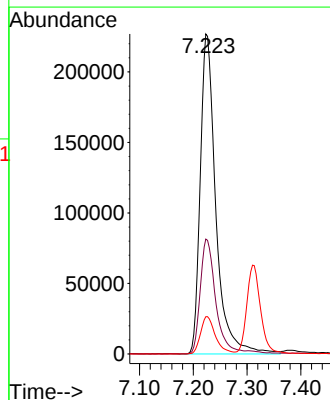
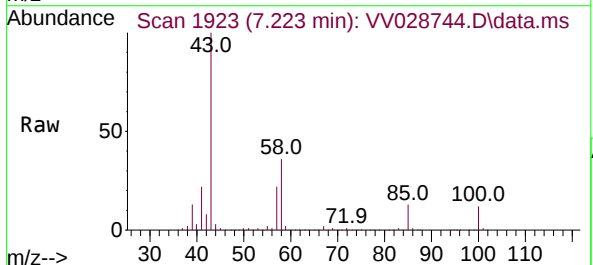
Tgt Ion: 43 Resp: 456980

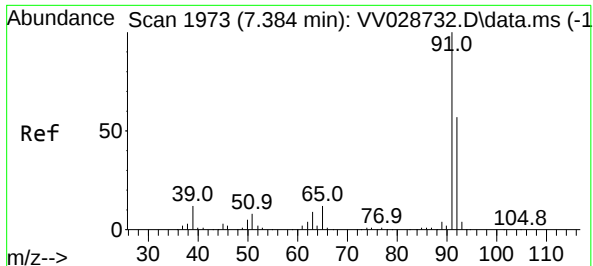
Ion Ratio Lower Upper

43 100

58 35.5 29.6 44.4

100 11.2 9.4 14.0

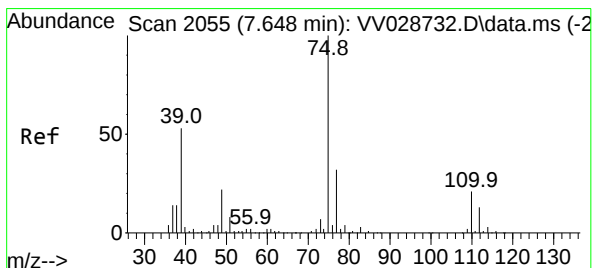
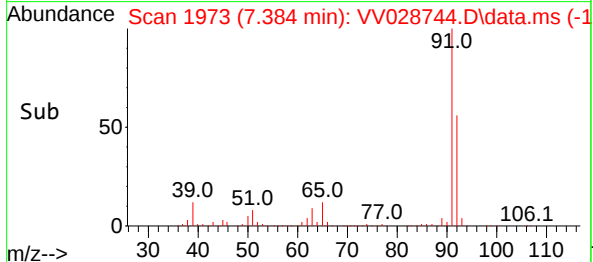
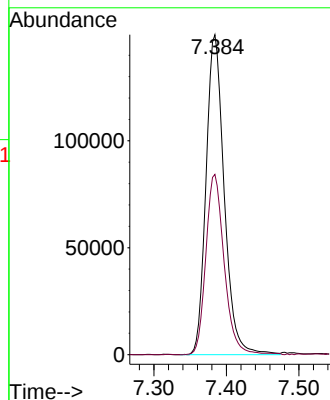
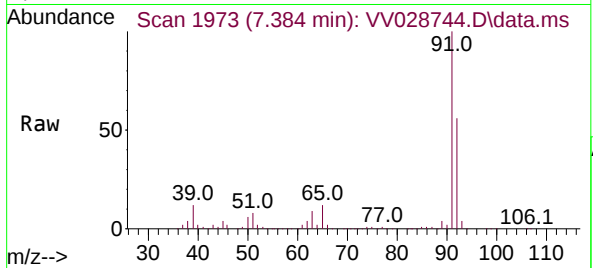




#42
Toluene
Concen: 4.772 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

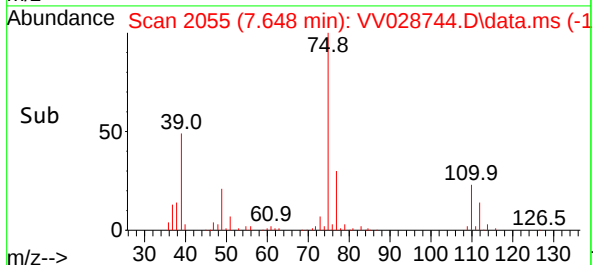
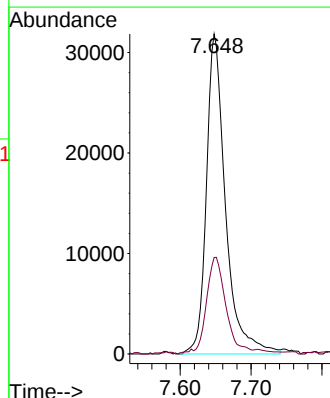
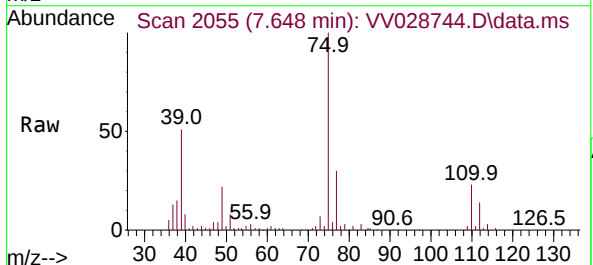
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

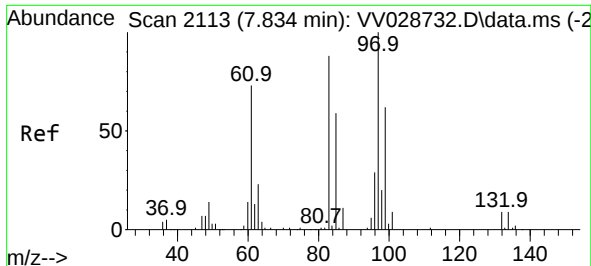
Tgt Ion: 91 Resp: 260596
Ion Ratio Lower Upper
91 100
92 56.4 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 4.144 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. -0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 75 Resp: 59575
Ion Ratio Lower Upper
75 100
77 30.2 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.855 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

Tgt Ion: 97 Resp: 43911

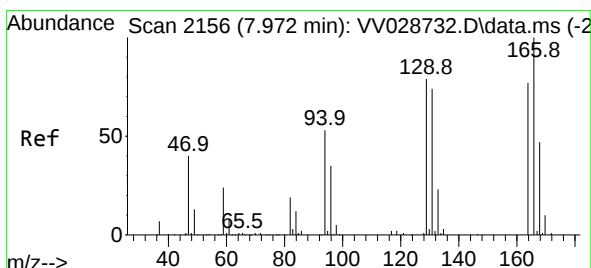
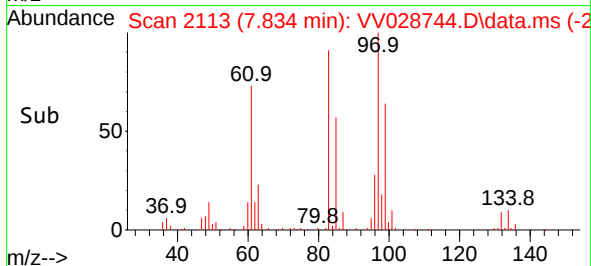
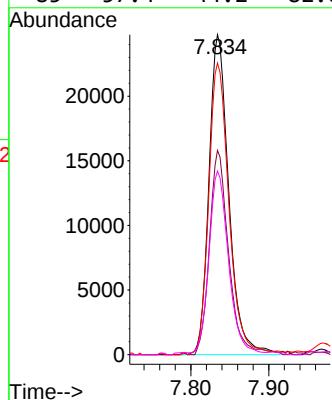
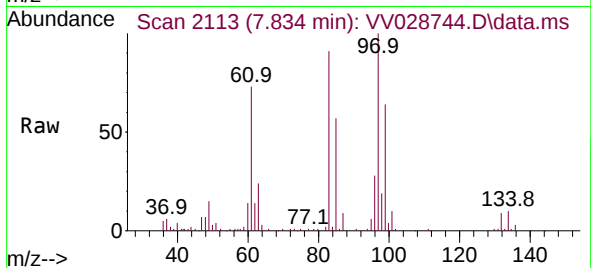
Ion Ratio Lower Upper

97 100

99 63.9 44.0 81.6

83 91.1 66.2 123.0

85 57.4 44.2 82.0



#47

Tetrachloroethene

Concen: 4.324 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Tgt Ion: 164 Resp: 37872

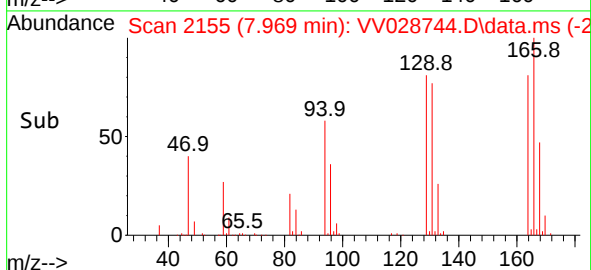
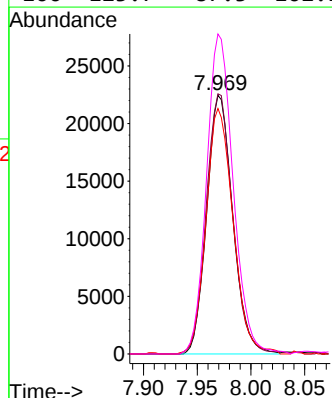
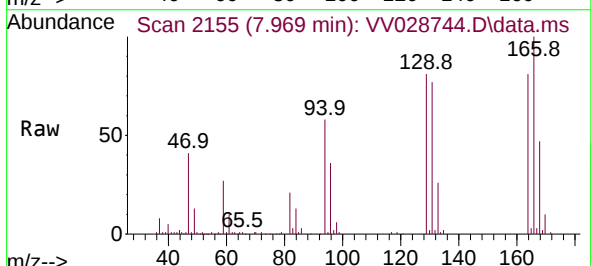
Ion Ratio Lower Upper

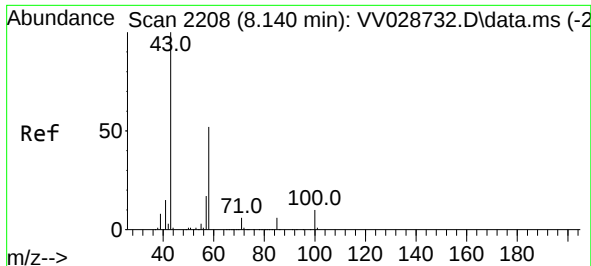
164 100

129 100.6 69.2 128.6

131 94.9 64.2 119.2

166 123.7 87.3 162.1



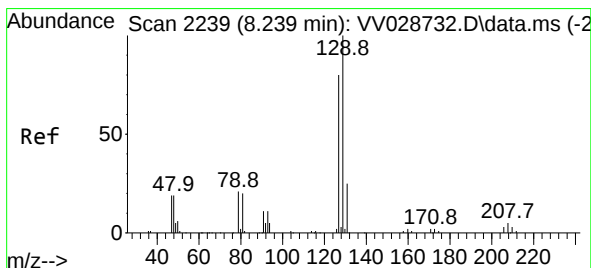
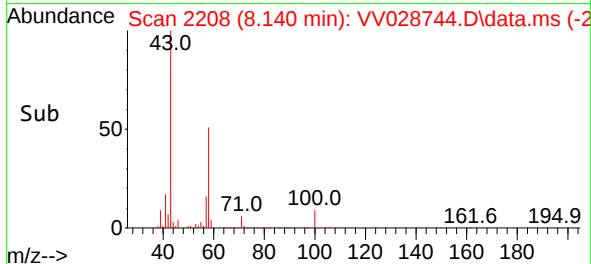
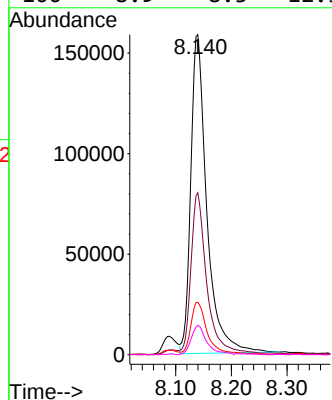
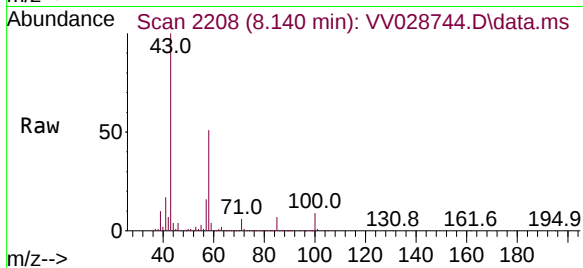


#48
2-Hexanone
Concen: 51.499 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

Tgt Ion: 43 Resp: 317492

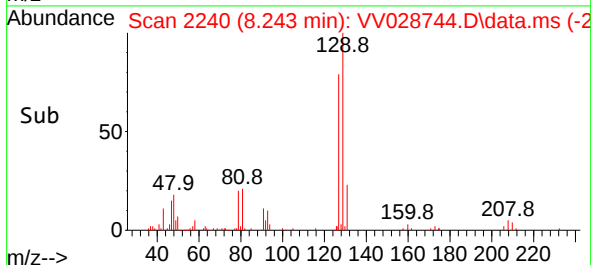
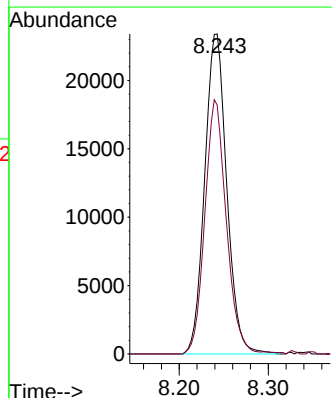
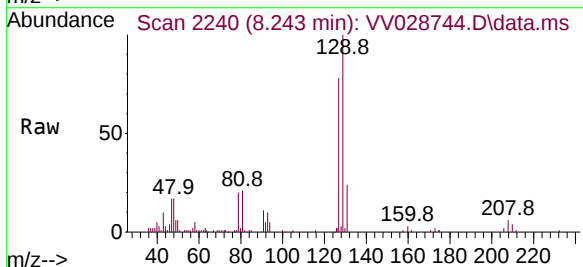
Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.6	60.8
57	16.5	13.8	20.8
100	8.9	8.3	12.5

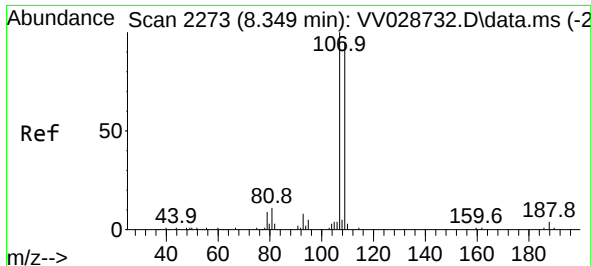


#49
Dibromochloromethane
Concen: 4.252 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 129 Resp: 40285

Ion	Ratio	Lower	Upper
129	100		
127	77.8	51.6	95.8

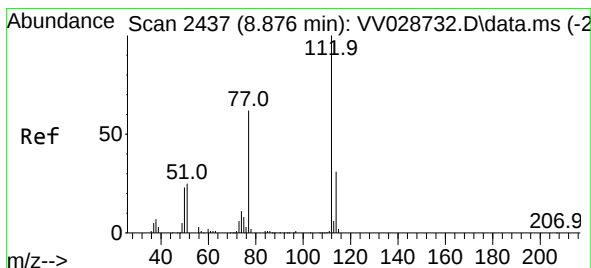
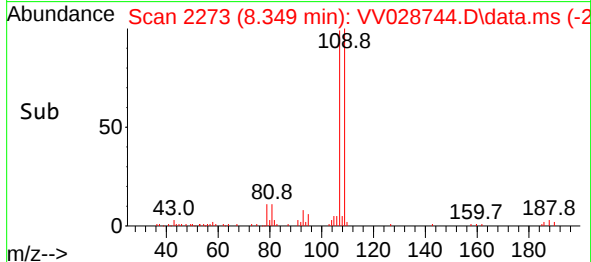
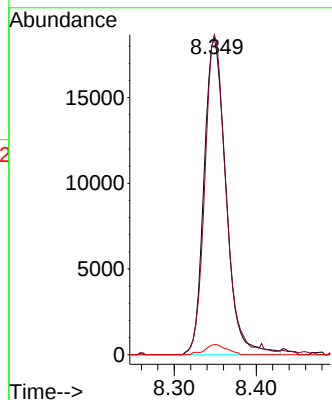
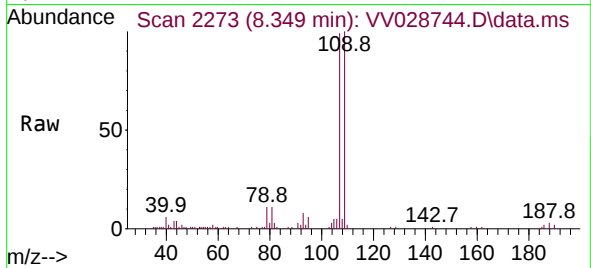




#50
1,2-Dibromoethane
Concen: 4.362 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

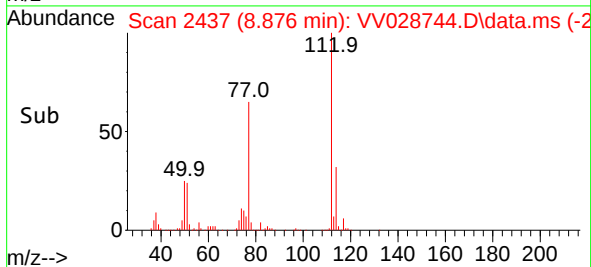
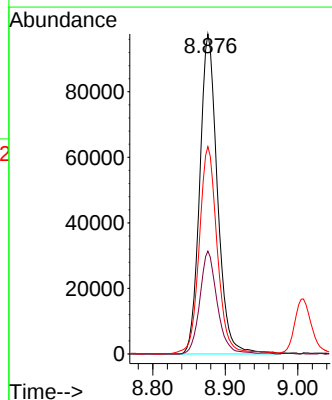
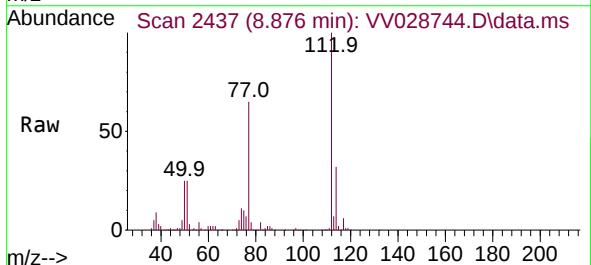
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

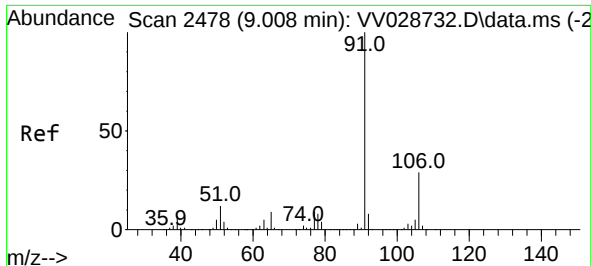
Tgt Ion:107 Resp: 34349
Ion Ratio Lower Upper
107 100
109 101.0 64.0 118.8
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.817 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. -0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion:112 Resp: 165643
Ion Ratio Lower Upper
112 100
114 32.1 22.0 41.0
77 64.8 50.0 75.0

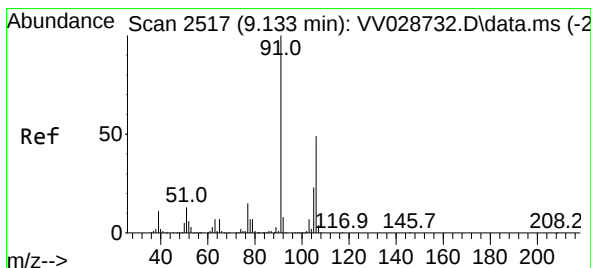
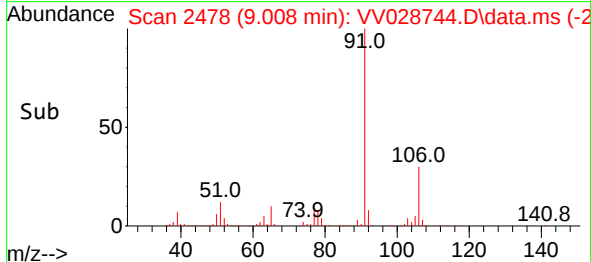
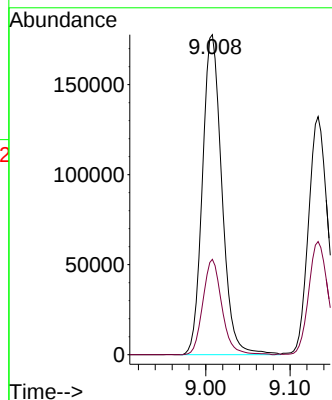
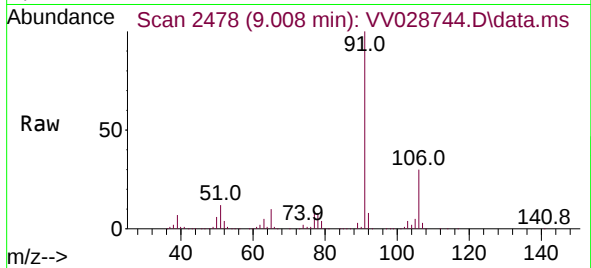




#52
Ethylbenzene
Concen: 4.713 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

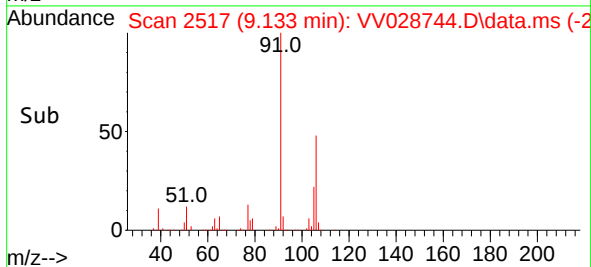
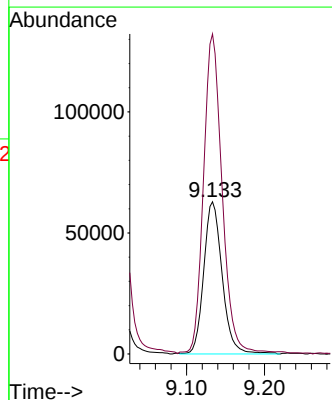
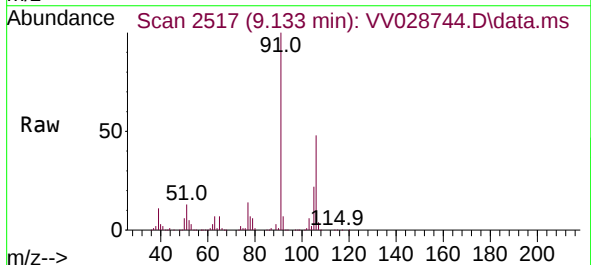
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

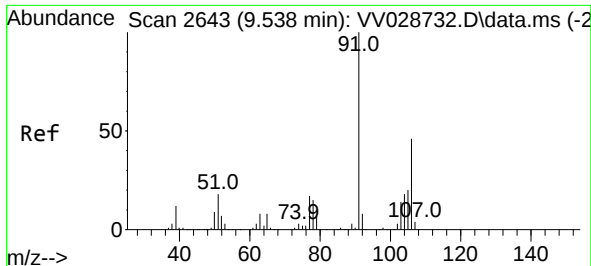
Tgt Ion: 91 Resp: 286060
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.6



#53
m,p-Xylene
Concen: 4.720 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion: 106 Resp: 103439
Ion Ratio Lower Upper
106 100
91 210.3 145.5 270.1

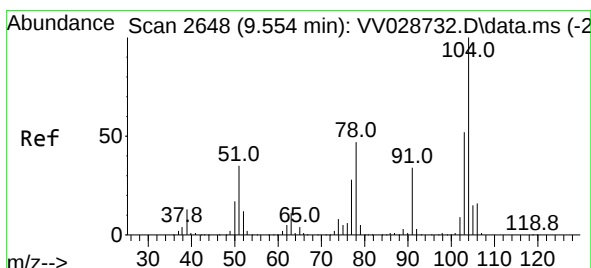
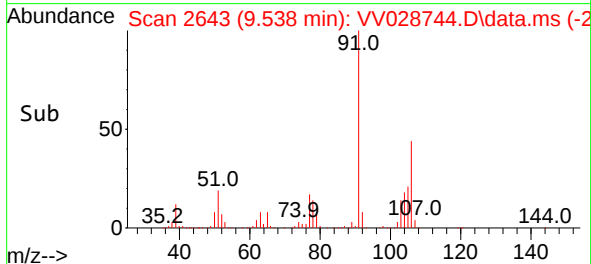
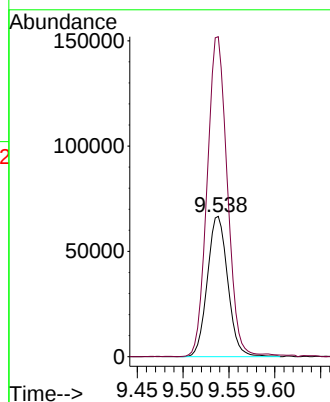
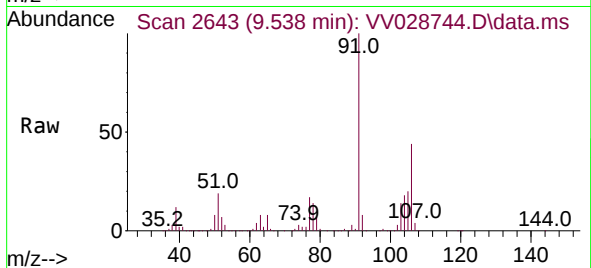




#54
o-Xylene
Concen: 4.689 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

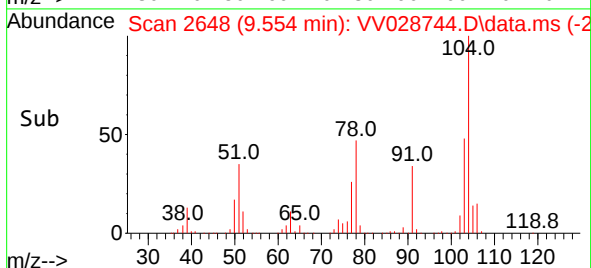
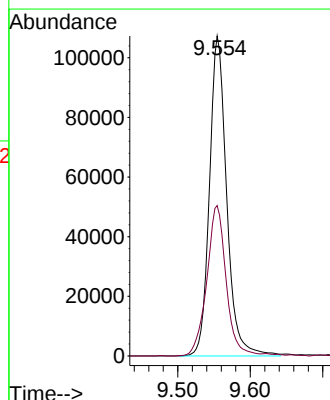
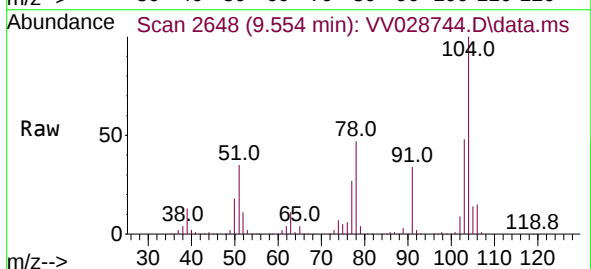
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

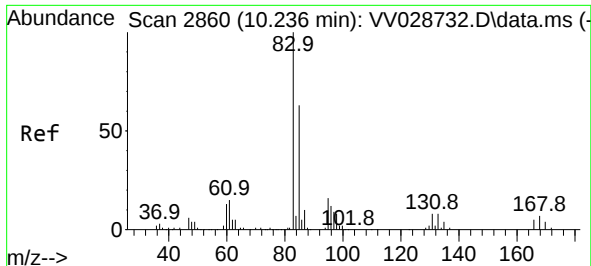
Tgt Ion:106 Resp: 103369
Ion Ratio Lower Upper
106 100
91 228.1 159.0 295.4



#55
Styrene
Concen: 4.768 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion:104 Resp: 177247
Ion Ratio Lower Upper
104 100
78 47.0 32.8 61.0





#57

1,1,2-Tetrachloroethane

Concen: 4.794 ug/L

RT: 10.233 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

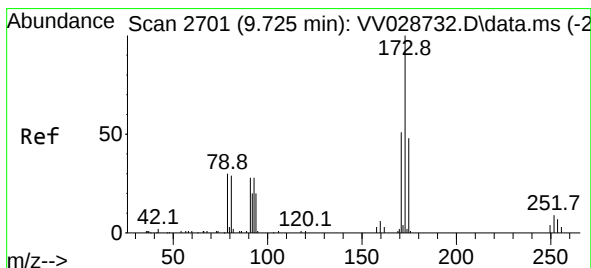
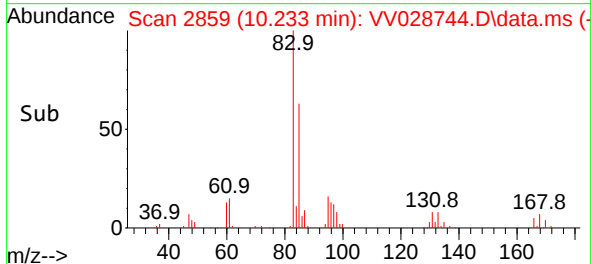
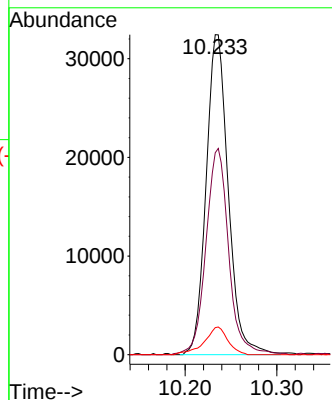
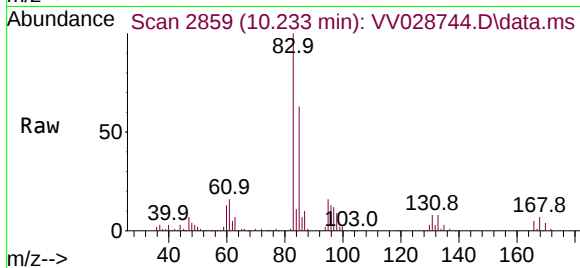
Tgt Ion: 83 Resp: 54385

Ion Ratio Lower Upper

83 100

85 63.1 43.0 80.0

131 8.5 6.5 9.7



#59

Bromoform

Concen: 3.897 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

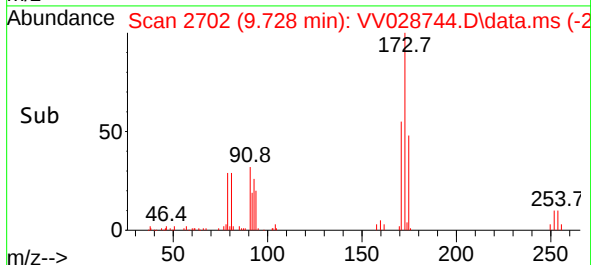
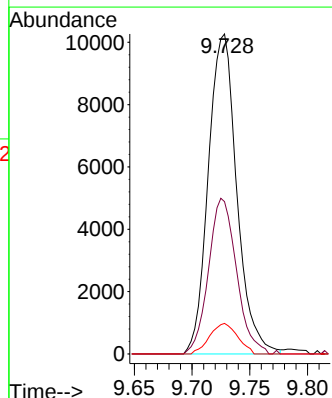
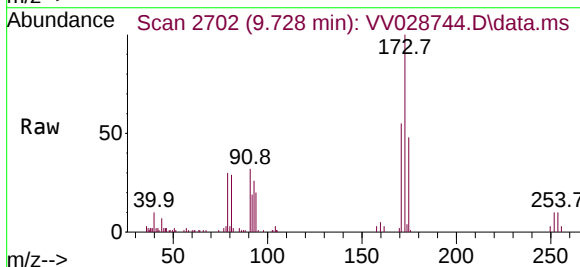
Tgt Ion: 173 Resp: 17615

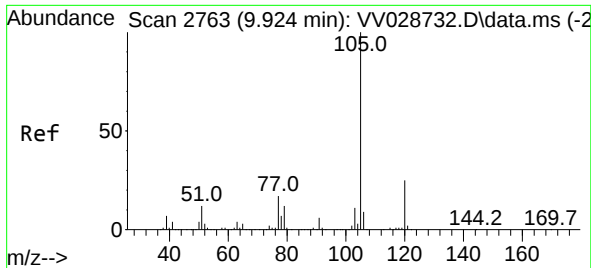
Ion Ratio Lower Upper

173 100

175 47.7 39.8 59.8

254 9.3 7.3 10.9

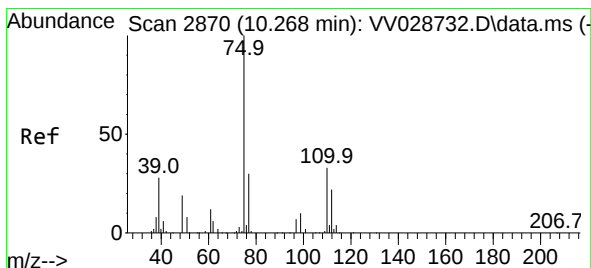
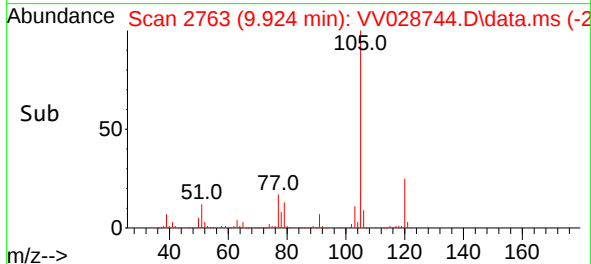
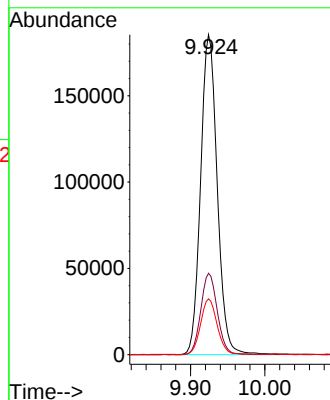
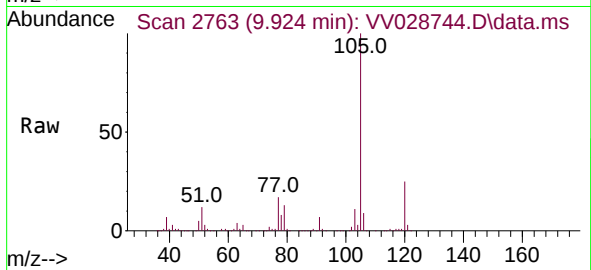




#60
Isopropylbenzene
Concen: 4.979 ug/L
RT: 9.924 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

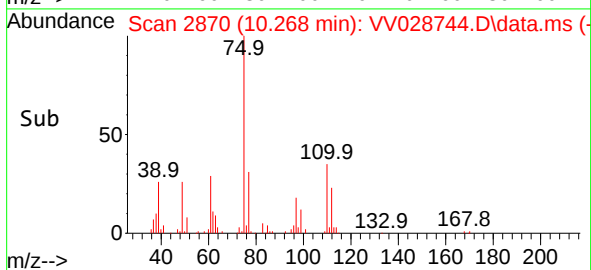
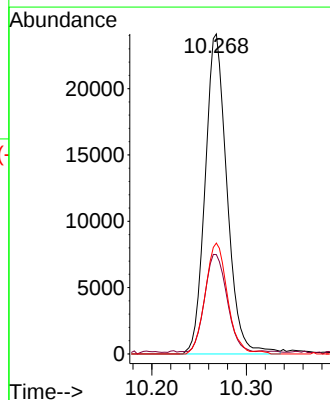
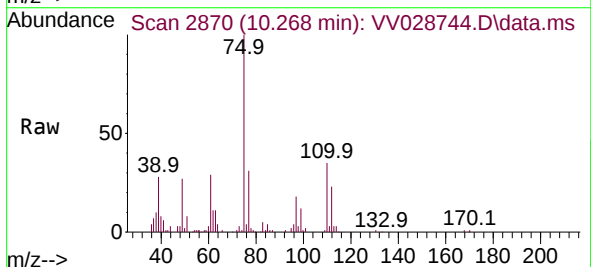
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

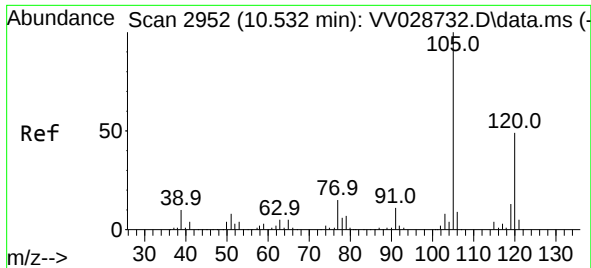
Tgt Ion:	105	Resp:	288430
Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1
77	17.2	13.4	20.0



#61
1,2,3-Trichloropropane
Concen: 4.906 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion:	75	Resp:	38778
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
110	35.0	27.9	41.9

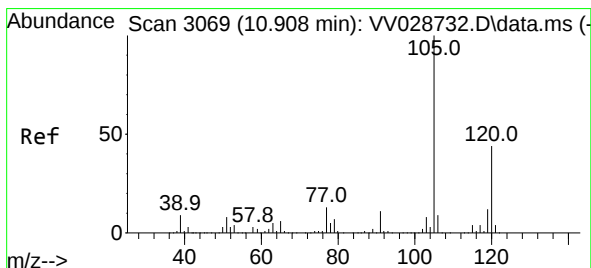
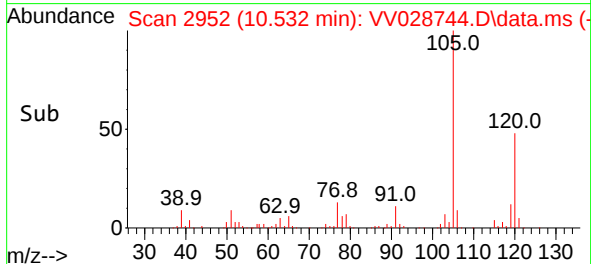
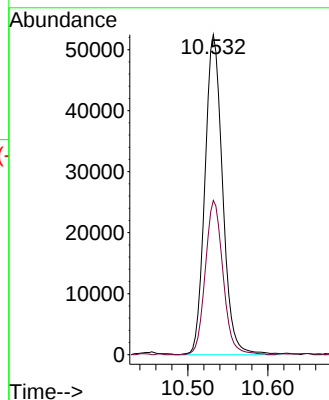
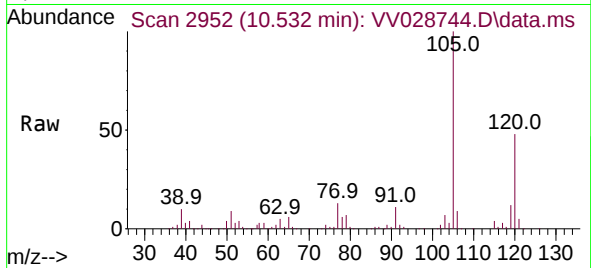




#62
1,3,5-Trimethylbenzene
Concen: 4.789 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

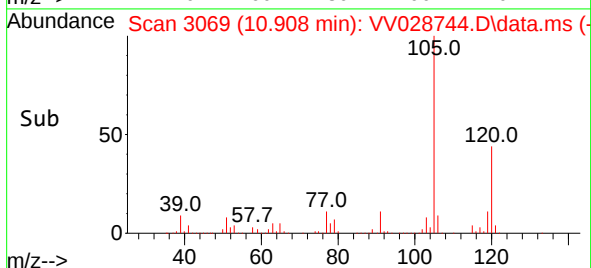
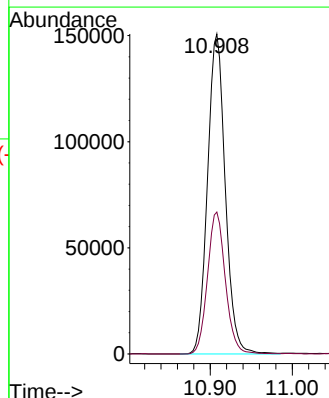
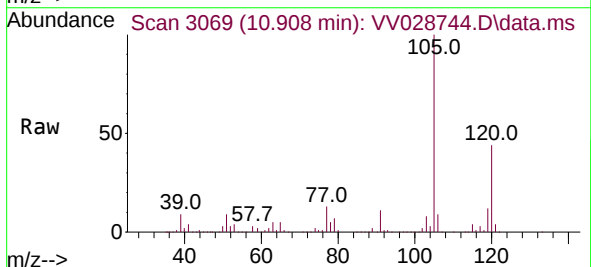
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

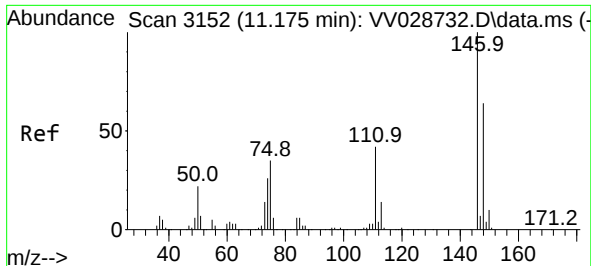
Tgt Ion:105 Resp: 80936
Ion Ratio Lower Upper
105 100
120 48.1 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 4.844 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion:105 Resp: 226728
Ion Ratio Lower Upper
105 100
120 44.8 36.2 54.2

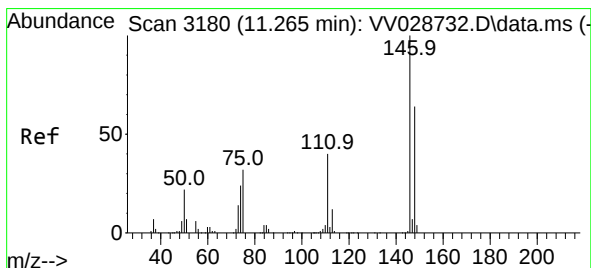
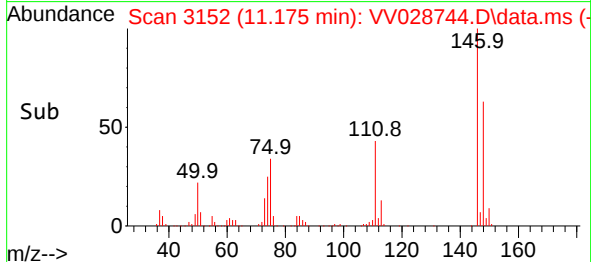
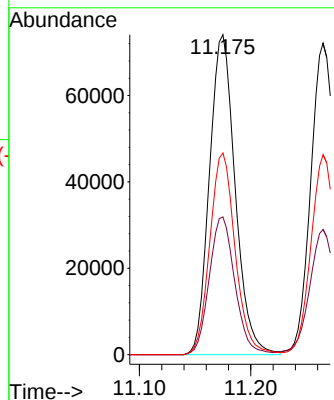
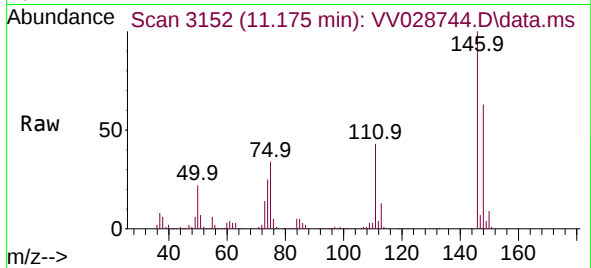




#64
1,3-Dichlorobenzene
Concen: 4.765 ug/L
RT: 11.175 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

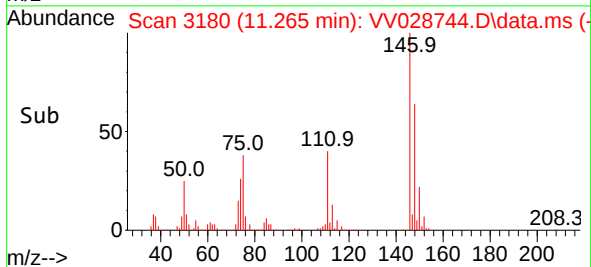
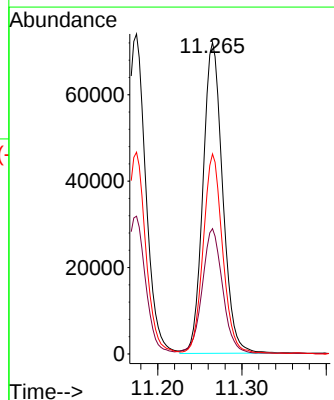
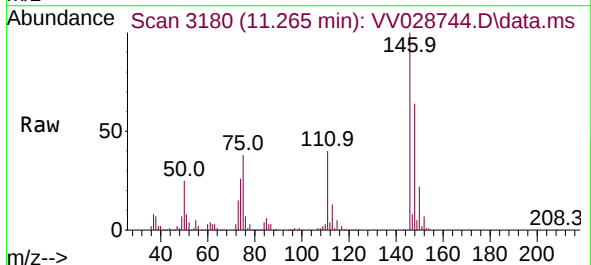
Instrument :
MSVOA_V
ClientSampleId :
VSTD005338

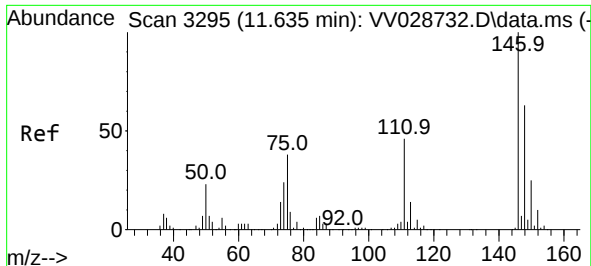
Tgt Ion:146 Resp: 118916
Ion Ratio Lower Upper
146 100
111 43.1 29.0 53.9
148 63.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.697 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

Tgt Ion:146 Resp: 116937
Ion Ratio Lower Upper
146 100
111 40.2 28.6 53.2
148 64.2 44.3 82.3

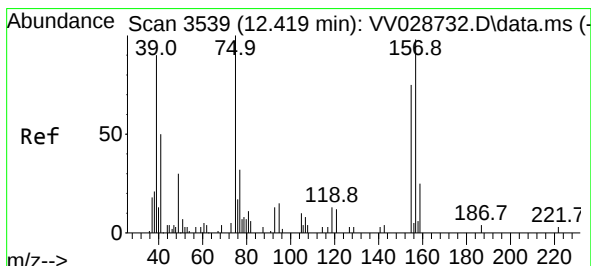
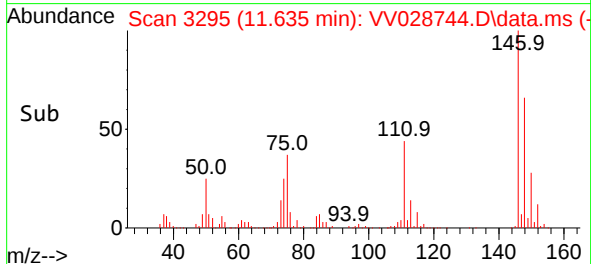
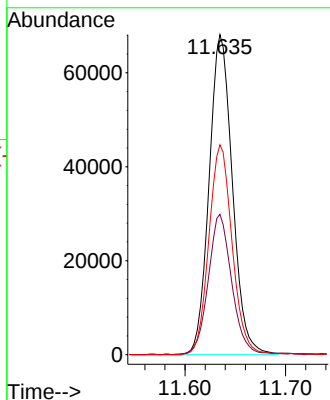
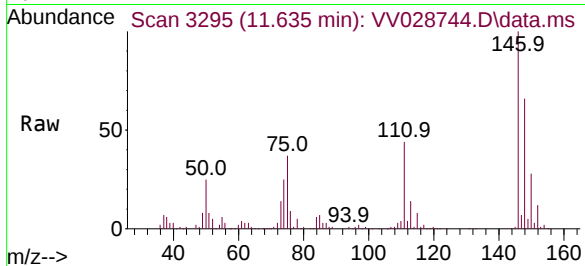




#67
1,2-Dichlorobenzene
Concen: 4.800 ug/L
RT: 11.635 min Scan# 3295
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

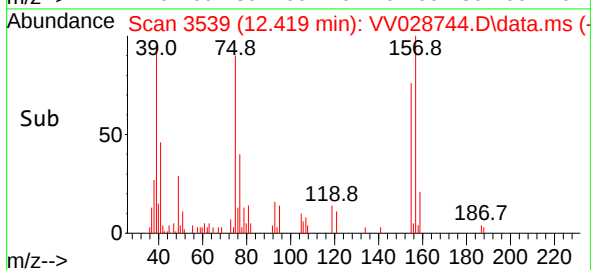
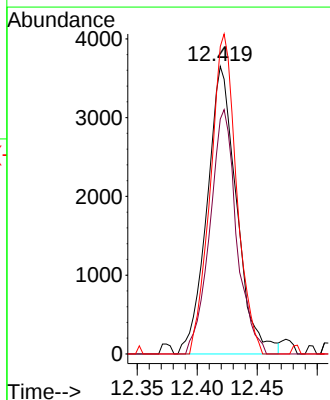
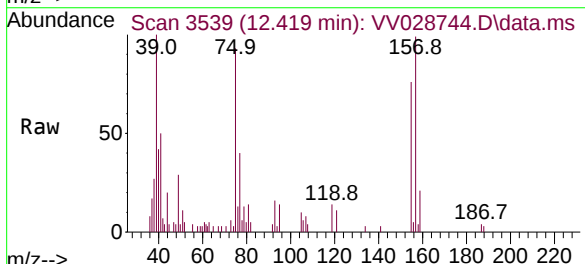
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MSVOA_V
ClientSampleId :
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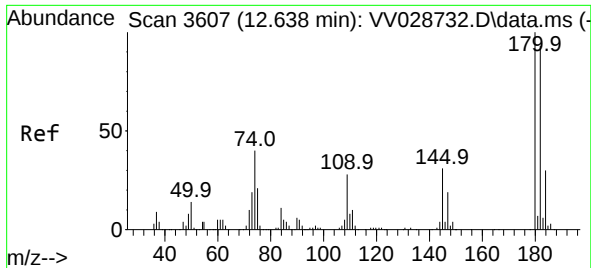
Tgt Ion:146 Resp: 109525
Ion Ratio Lower Upper
146 100
111 43.9 36.2 54.4
148 65.6 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 3.841 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.000 min
Lab File: VV028744.D
Acq: 28 Oct 2022 03:08

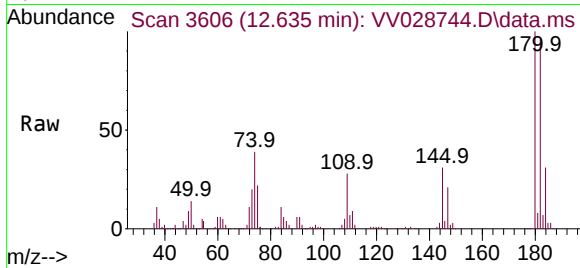
Tgt Ion: 75 Resp: 6251
Ion Ratio Lower Upper
75 100
155 81.7 58.2 87.2
157 106.9 71.5 107.3



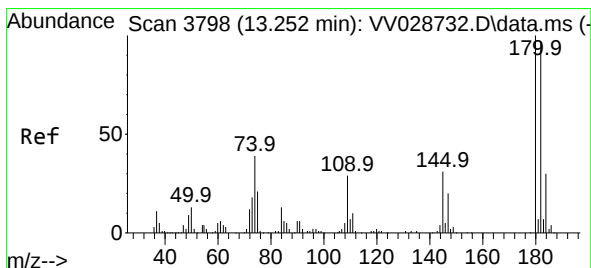
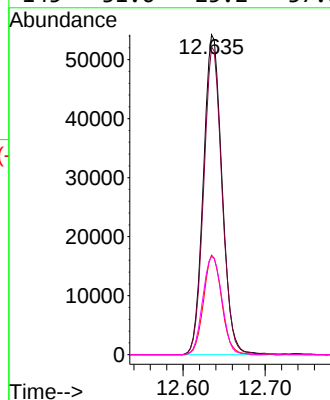
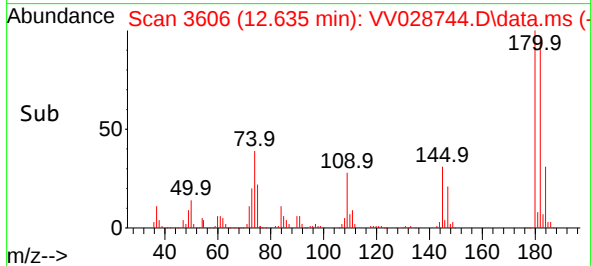


#69
 1,3,5-Trichlorobenzene
 Concen: 4.516 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.003 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08

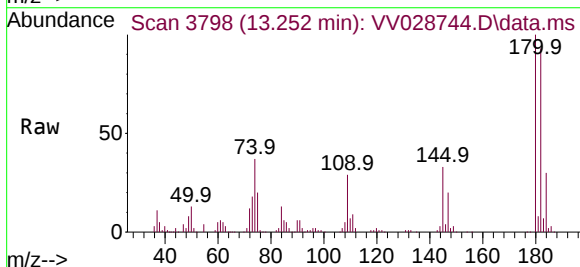
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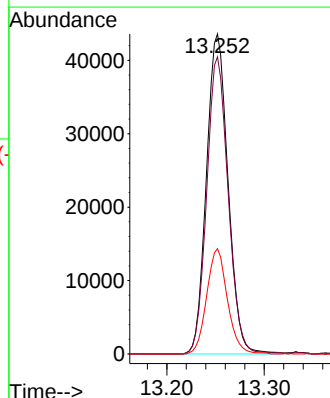
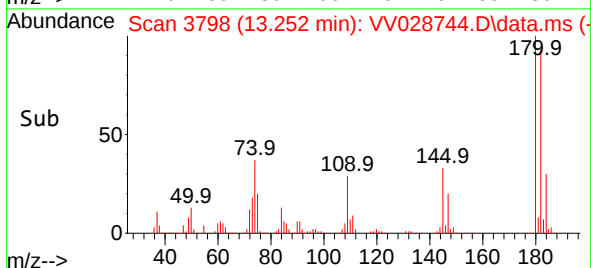
Tgt Ion:180 Resp: 85570
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 184 30.3 24.3 36.5
 145 31.6 25.2 37.8

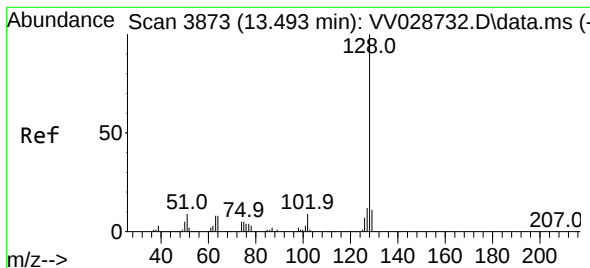


#70
 1,2,4-trichlorobenzene
 Concen: 4.653 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. 0.000 min
 Lab File: VV028744.D
 Acq: 28 Oct 2022 03:08



Tgt Ion:180 Resp: 67136
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.7 112.1
 145 31.6 25.5 38.3





#71

Naphthalene

Concen: 4.119 ug/L

RT: 13.493 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005338

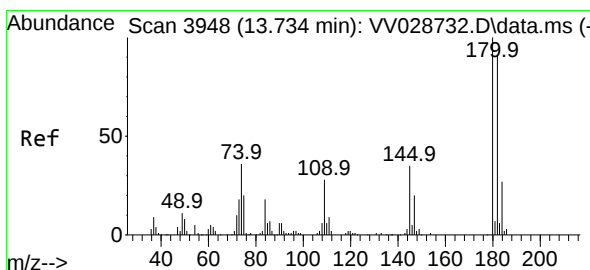
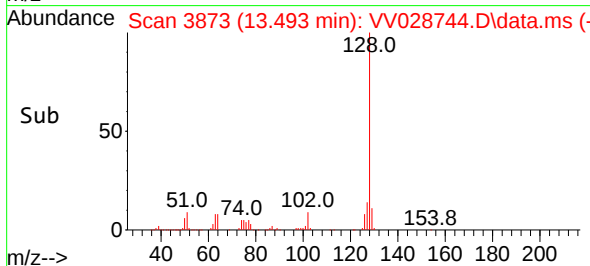
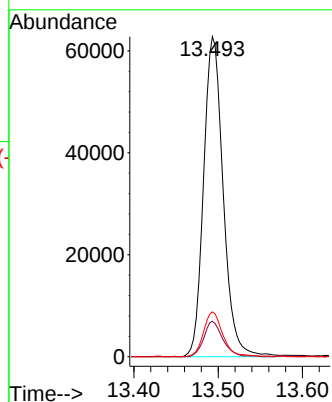
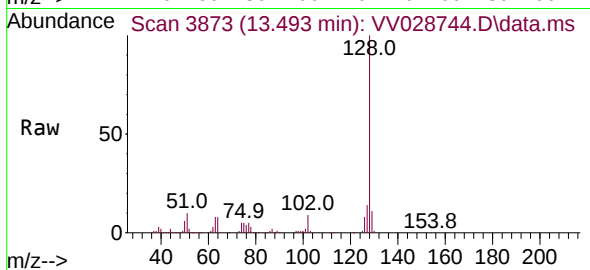
Tgt Ion:128 Resp: 101834

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.7 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.638 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.003 min

Lab File: VV028744.D

Acq: 28 Oct 2022 03:08

Tgt Ion:180 Resp: 59300

Ion Ratio Lower Upper

180 100

182 92.9 73.4 110.0

145 34.4 26.3 39.5

