

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028552.D
 Acq On : 14 Oct 2022 16:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

Quant Time: Oct 15 02:32:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:24:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.600	114	276529	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.841	117	208725	5.000	ug/L	-0.02
58) 1,4-Dichlorobenzene-d4	11.239	152	101565	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	103291	4.340	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.558	69	86998	4.447	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.095	63	180518	4.188	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.944	46	254621	49.768	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.540%
24) Chloroform-d	4.333	84	172784	4.741	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.021	65	88636	4.667	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.030	84	345291	5.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	6.053	67	124391	5.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.400%
41) Toluene-d8	7.294	98	233580	4.374	ug/L	-0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	7.609	79	31526	4.291	ug/L	-0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.101	63	141309	44.560	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.120%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	58791	4.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	76157	4.544	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	65912	4.220	ug/L	98
3) Chloromethane	1.230	50	115678	4.425	ug/L	98
5) Vinyl chloride	1.301	62	116751	4.585	ug/L	98
6) Bromomethane	1.513	94	52749	4.601	ug/L	98
8) Chloroethane	1.574	64	78544	4.756	ug/L	99
9) Trichlorofluoromethane	1.741	101	141167	4.536	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	84241	4.592	ug/L	98
12) 1,1-Dichloroethene	2.105	96	78779	4.582	ug/L	96
13) Acetone	2.233	43	153110	42.617	ug/L	100
14) Carbon disulfide	2.278	76	221942	4.610	ug/L	100
15) Methyl Acetate	2.449	43	48133	5.662	ug/L	100
16) Methylene chloride	2.494	84	122127	5.035	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	212191	4.859	ug/L	99
18) trans-1,2-Dichloroethene	2.741	96	85472	4.767	ug/L	95
19) 1,1-Dichloroethane	3.172	63	198400	4.916	ug/L	99
21) 2-Butanone	4.027	43	266042	51.701	ug/L	96
22) cis-1,2-Dichloroethene	3.892	96	97684	4.818	ug/L #	98
23) Bromochloromethane	4.230	128	34572	4.447	ug/L	92
25) Chloroform	4.358	83	182009	4.759	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028552.D
 Acq On : 14 Oct 2022 16:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

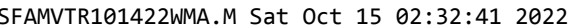
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

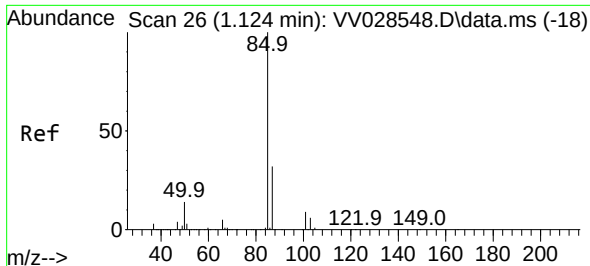
Quant Time: Oct 15 02:32:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:24:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	108106	4.748	ug/L	99
29) 1,1,1-Trichloroethane	4.587	97	150137	5.204	ug/L	97
30) Cyclohexane	4.645	56	177134	5.318	ug/L	100
31) Carbon tetrachloride	4.802	117	118689	5.232	ug/L	100
33) Benzene	5.079	78	389761	5.285	ug/L	100
34) Trichloroethene	5.889	95	93057	5.283	ug/L	96
35) Methylcyclohexane	6.098	83	158585	5.407	ug/L	93
37) 1,2-Dichloropropane	6.156	63	99176	5.284	ug/L	100
38) Bromodichloromethane	6.487	83	118333	5.528	ug/L	99
39) cis-1,3-Dichloropropene	7.008	75	110636	4.425	ug/L	100
40) 4-Methyl-2-pentanone	7.243	43	461965	45.197	ug/L	98
42) Toluene	7.368	91	320749	4.635	ug/L	100
44) trans-1,3-Dichloropropene	7.638	75	85794	4.475	ug/L	97
45) 1,1,2-Trichloroethane	7.831	97	48791	4.676	ug/L	98
47) Tetrachloroethene	7.956	164	51921	4.529	ug/L	99
48) 2-Hexanone	8.149	43	326555	46.189	ug/L	98
49) Dibromochloromethane	8.233	129	49492	4.447	ug/L	99
50) 1,2-Dibromoethane	8.342	107	42170	4.590	ug/L #	98
51) Chlorobenzene	8.870	112	198094	4.617	ug/L	97
52) Ethylbenzene	8.998	91	353509	4.599	ug/L	98
53) m,p-Xylene	9.127	106	129487	4.504	ug/L	98
54) o-Xylene	9.532	106	128024	4.594	ug/L	96
55) Styrene	9.548	104	218032	4.625	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	56932	4.441	ug/L	99
59) Bromoform	9.722	173	22740	4.447	ug/L	96
60) Isopropylbenzene	9.921	105	352004	4.748	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	41267	4.547	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	103148	4.625	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	286656	4.701	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	144266	4.613	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	143490	4.681	ug/L	97
67) 1,2-Dichlorobenzene	11.632	146	129238	4.606	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	8094	4.296	ug/L	93
69) 1,3,5-Trichlorobenzene	12.635	180	106846	4.670	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	78482	4.504	ug/L	96
71) Naphthalene	13.490	128	125818	4.819	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	66800	4.652	ug/L	99

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

Quant Time: Oct 15 02:32:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 15 02:24:54 2022
Response via : Initial Calibration

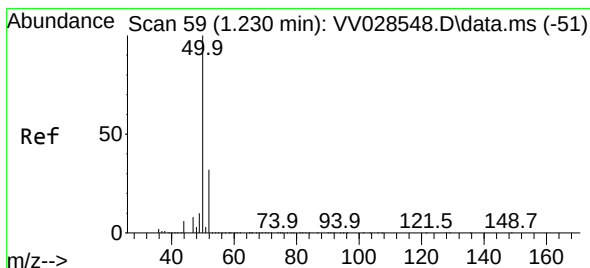
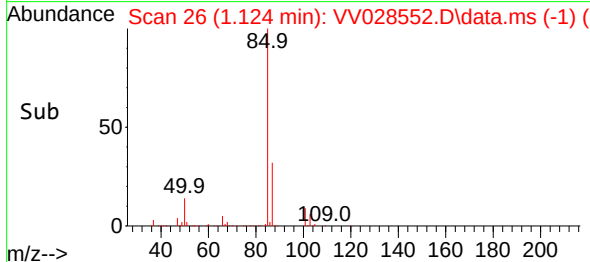
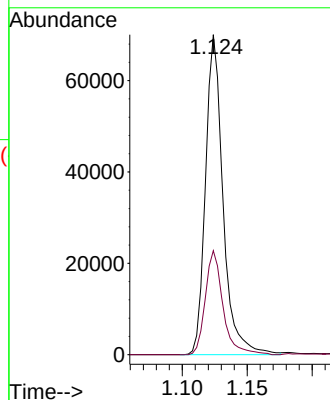
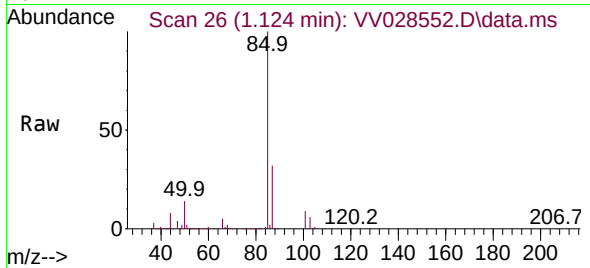




#2
 Dichlorodifluoromethane
 Concen: 4.220 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

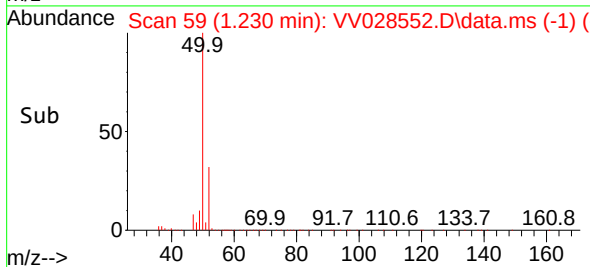
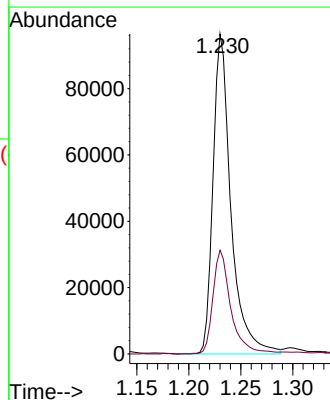
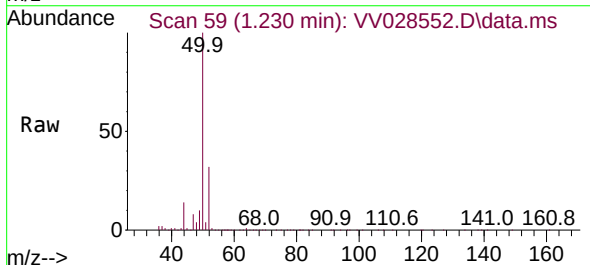
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

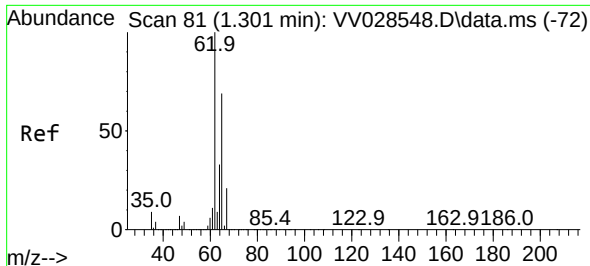
Tgt Ion: 85 Resp: 65912
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.4 38.2



#3
 Chloromethane
 Concen: 4.425 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

Tgt Ion: 50 Resp: 115678
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.0 41.0

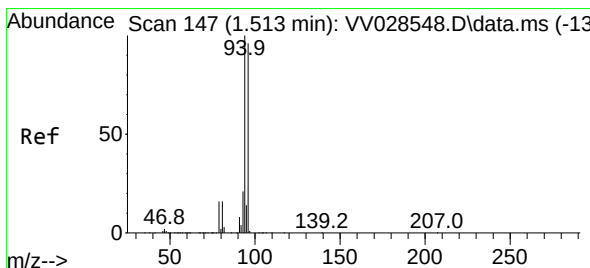
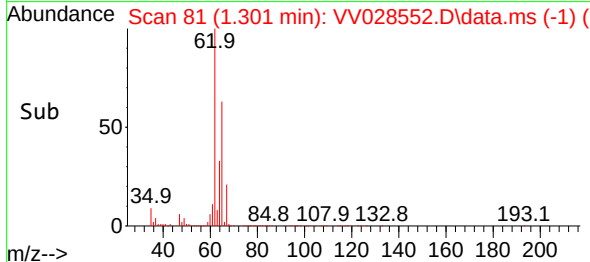
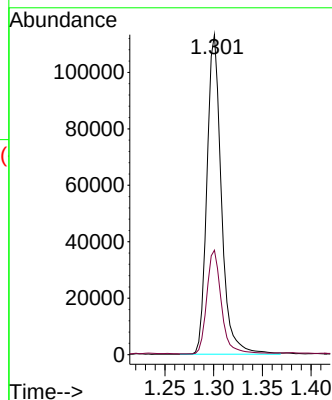
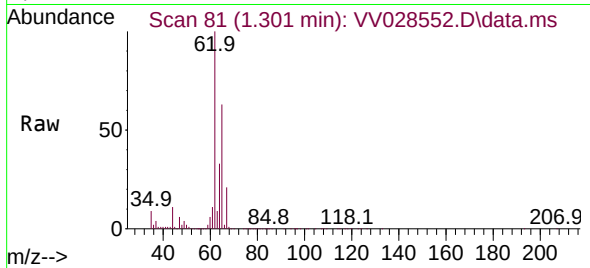




#5
 Vinyl chloride
 Concen: 4.585 ug/L
 RT: 1.301 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

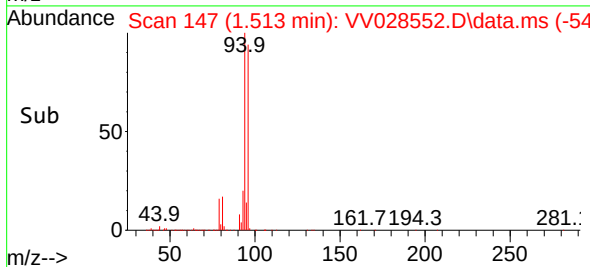
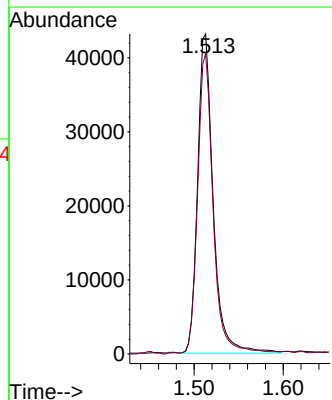
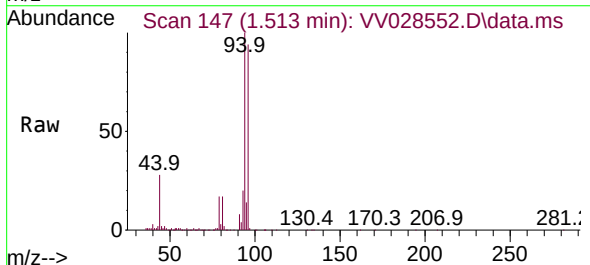
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

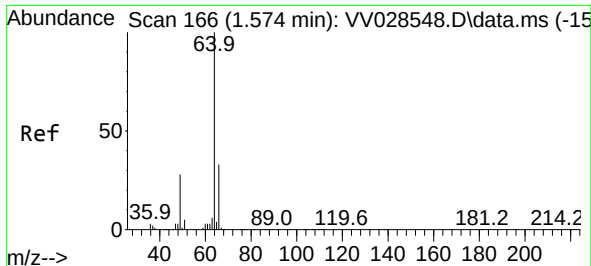
Tgt Ion: 62 Resp: 116751
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.7 44.1



#6
 Bromomethane
 Concen: 4.601 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

Tgt Ion: 94 Resp: 52749
 Ion Ratio Lower Upper
 94 100
 96 93.9 67.0 124.4

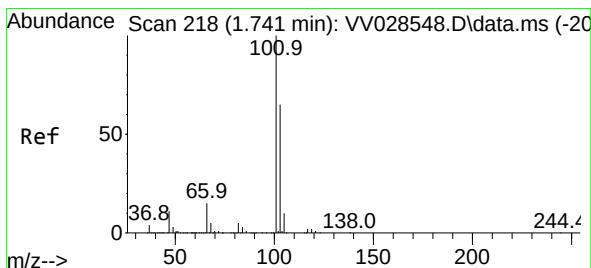
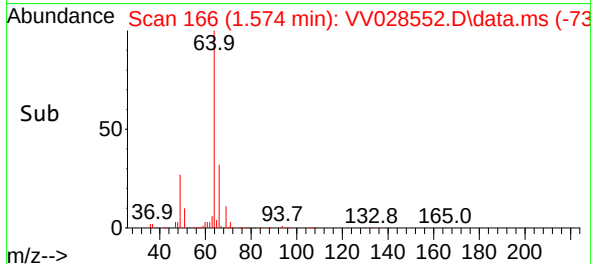
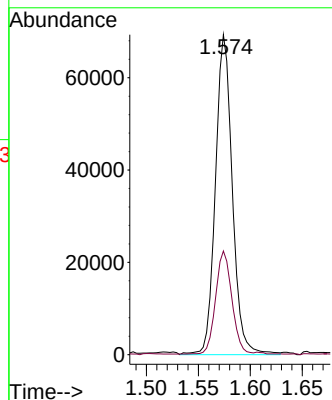
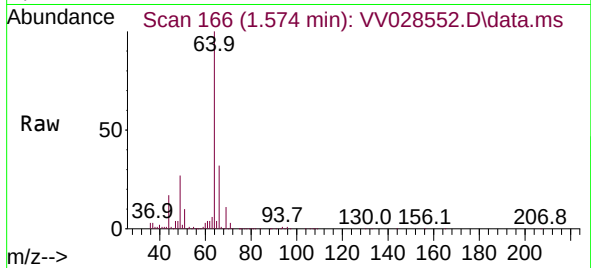




#8
Chloroethane
Concen: 4.756 ug/L
RT: 1.574 min Scan# 166
Delta R.T. -0.000 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

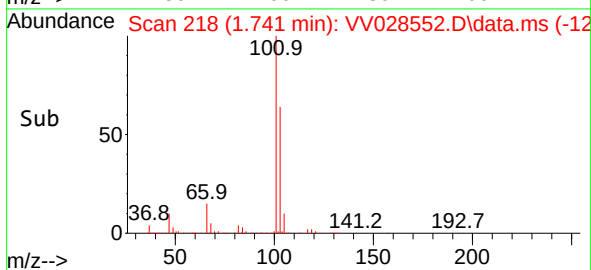
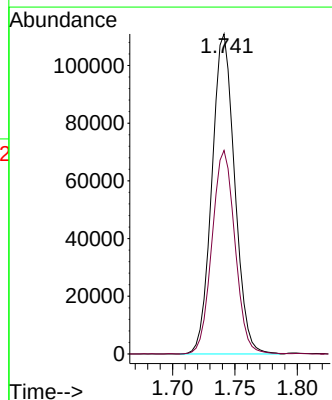
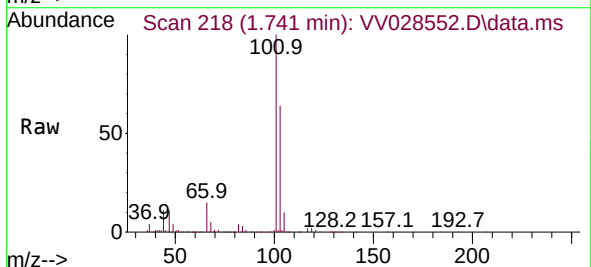
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

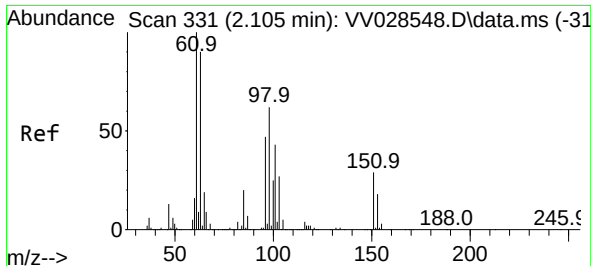
Tgt Ion: 64 Resp: 78544
Ion Ratio Lower Upper
64 100
66 32.4 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.536 ug/L
RT: 1.741 min Scan# 218
Delta R.T. -0.000 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 101 Resp: 141167
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4

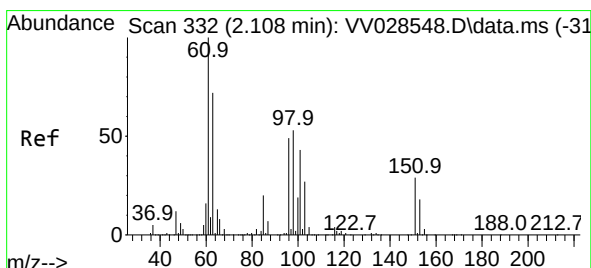
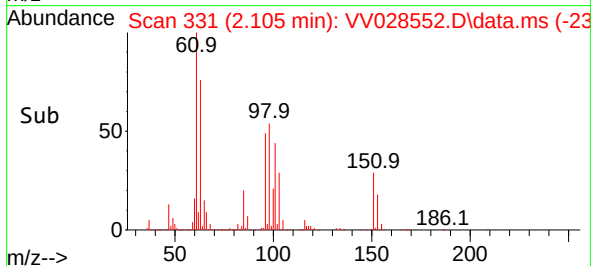
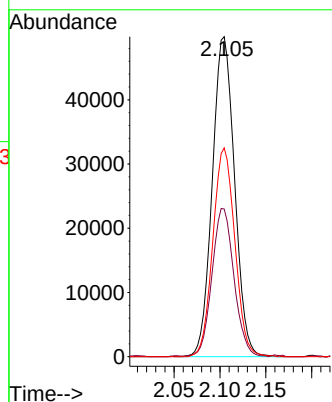
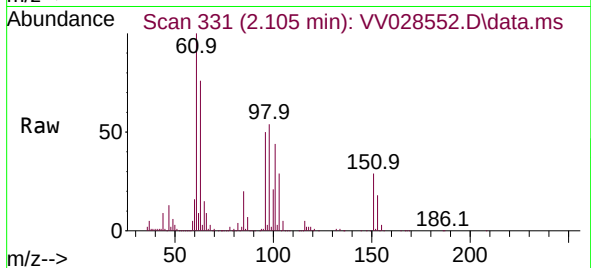




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.592 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.000 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

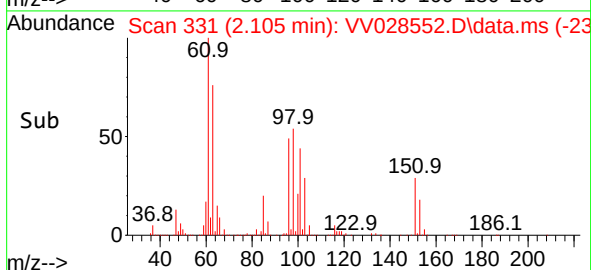
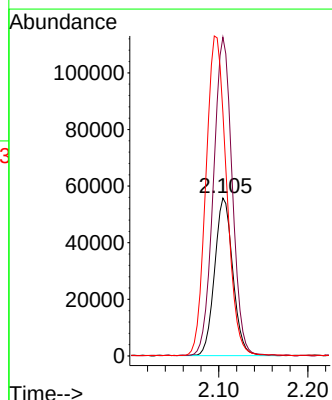
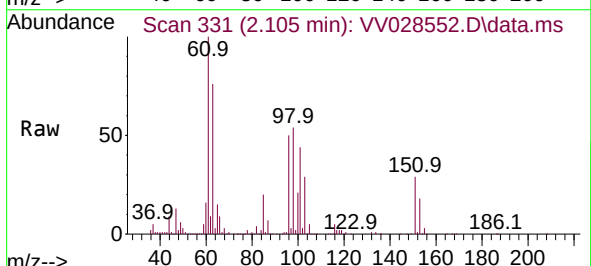
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

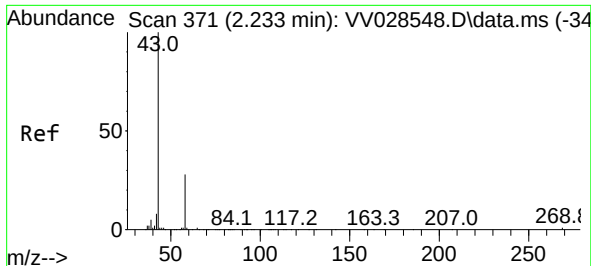
Tgt Ion:	101	Resp:	84241
Ion	Ratio	Lower	Upper
101	100		
85	45.8	37.3	55.9
151	64.5	52.8	79.2



#12
 1,1-Dichloroethene
 Concen: 4.582 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.003 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

Tgt Ion:	96	Resp:	78779
Ion	Ratio	Lower	Upper
96	100		
61	201.8	142.9	265.5
63	154.0	102.3	190.1

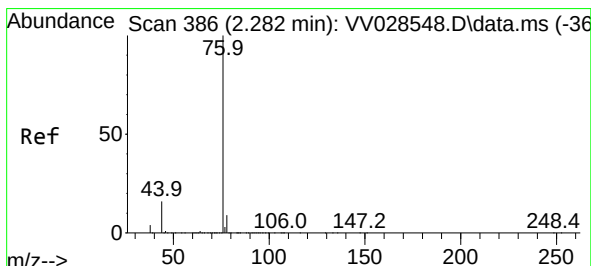
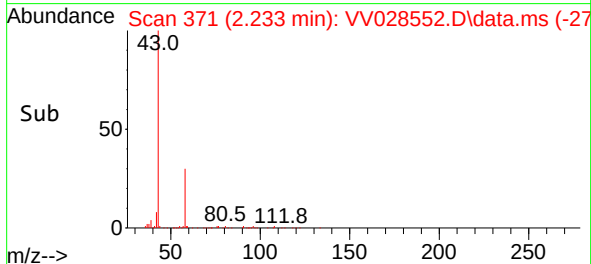
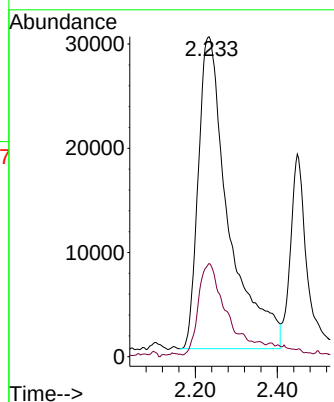
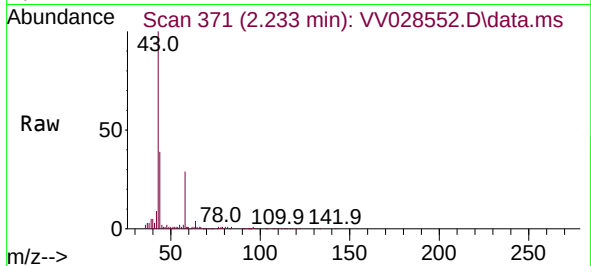




#13
Acetone
Concen: 42.617 ug/L
RT: 2.233 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

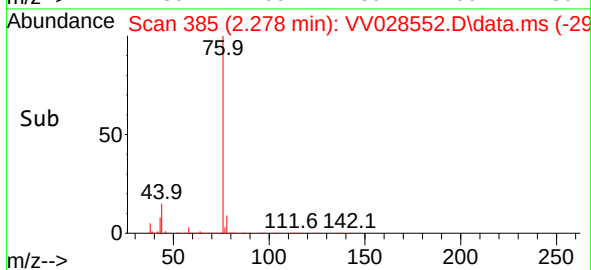
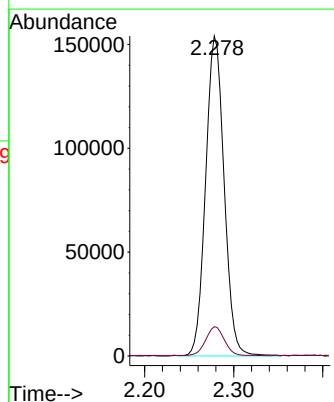
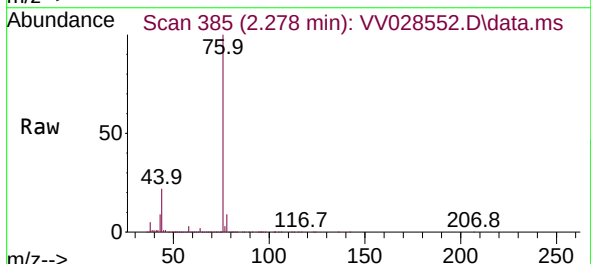
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

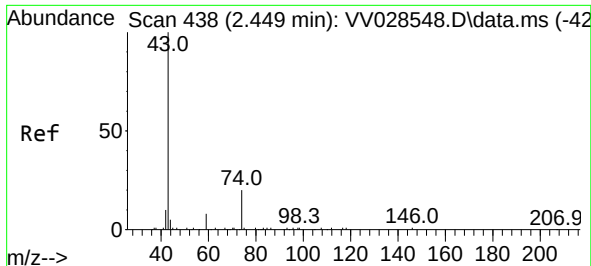
Tgt Ion: 43 Resp: 153110
Ion Ratio Lower Upper
43 100
58 24.2 0.0 48.6



#14
Carbon disulfide
Concen: 4.610 ug/L
RT: 2.278 min Scan# 385
Delta R.T. -0.003 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 76 Resp: 221942
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

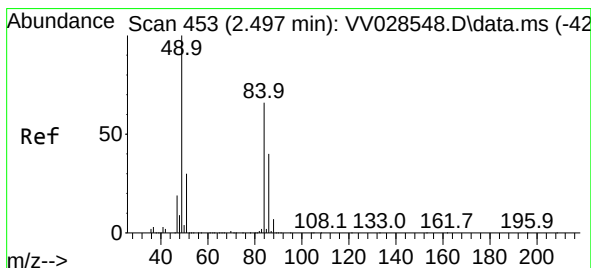
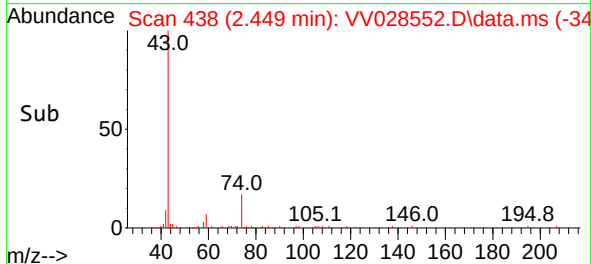
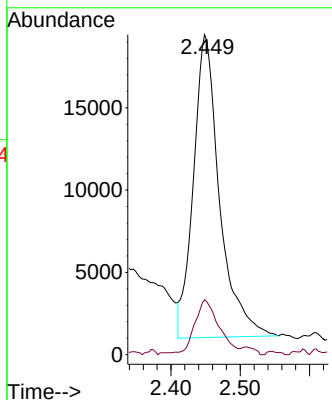
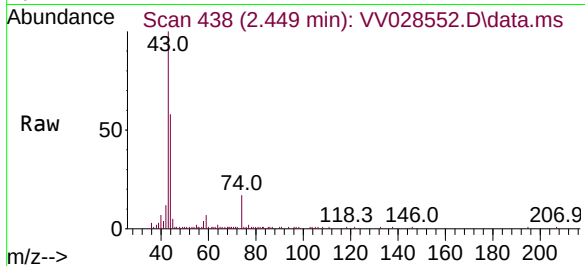




#15
Methyl Acetate
Concen: 5.662 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

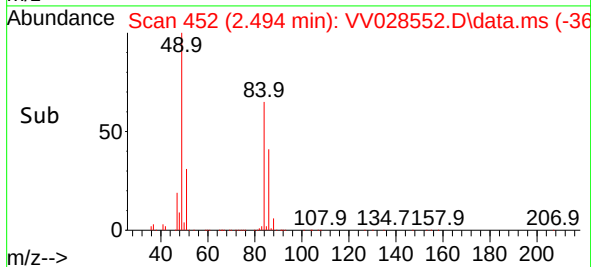
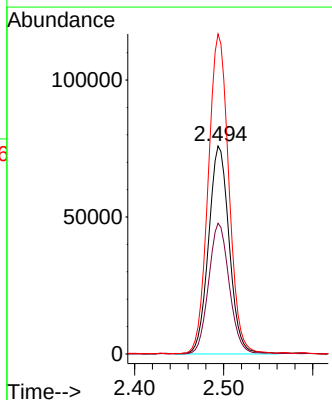
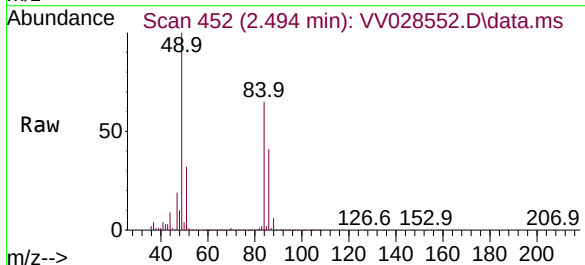
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

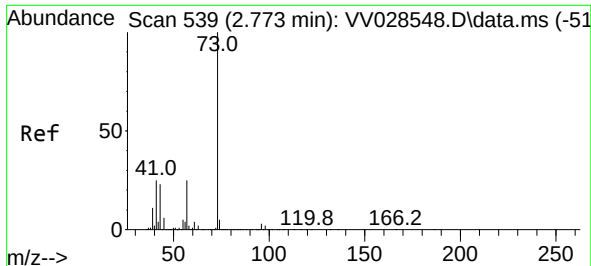
Tgt Ion: 43 Resp: 48133
Ion Ratio Lower Upper
43 100
74 17.2 13.8 20.6



#16
Methylene chloride
Concen: 5.035 ug/L
RT: 2.494 min Scan# 452
Delta R.T. -0.003 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 84 Resp: 122127
Ion Ratio Lower Upper
84 100
86 62.8 42.8 79.6
49 153.9 106.4 197.6





#17

Methyl tert-butyl Ether

Concen: 4.859 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

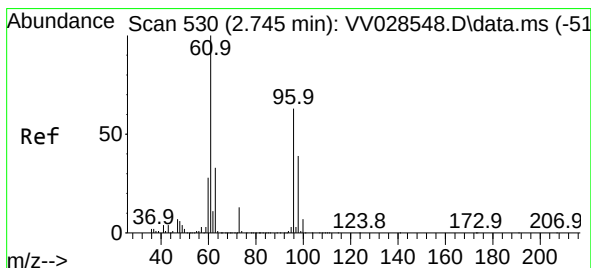
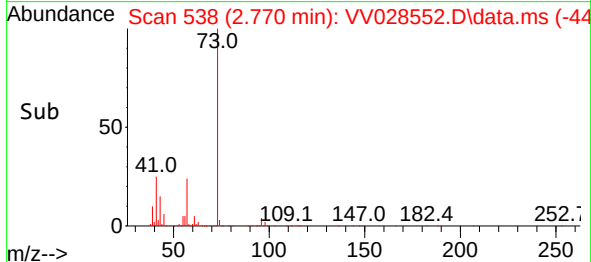
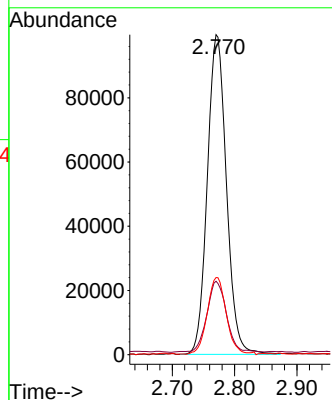
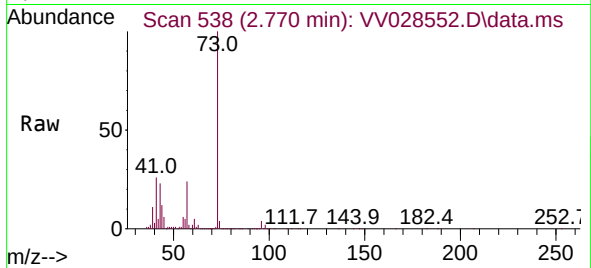
Tgt Ion: 73 Resp: 212191

Ion Ratio Lower Upper

73 100

43 22.9 18.2 27.2

57 23.8 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 4.767 ug/L

RT: 2.741 min Scan# 529

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

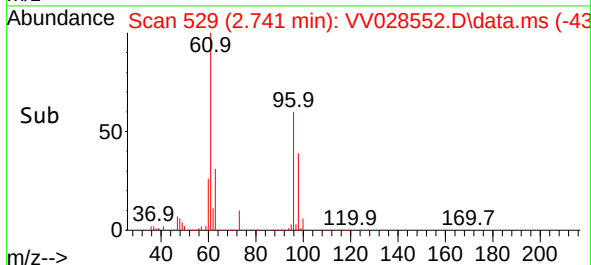
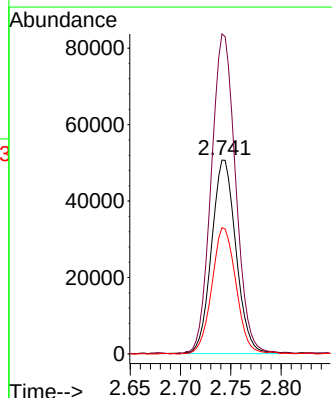
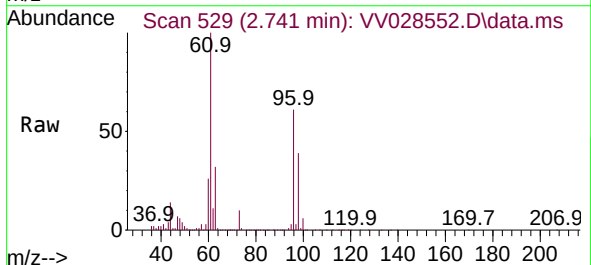
Tgt Ion: 96 Resp: 85472

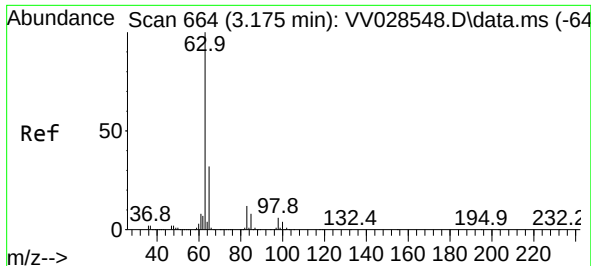
Ion Ratio Lower Upper

96 100

61 165.0 111.2 206.6

98 65.1 42.9 79.7





#19

1,1-Dichloroethane

Concen: 4.916 ug/L

RT: 3.172 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

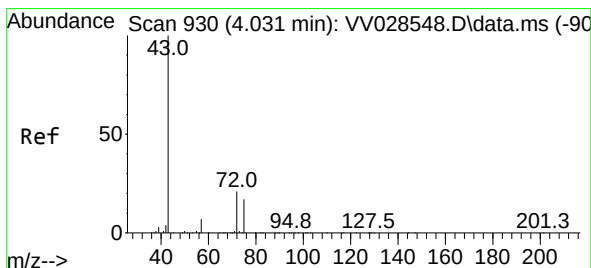
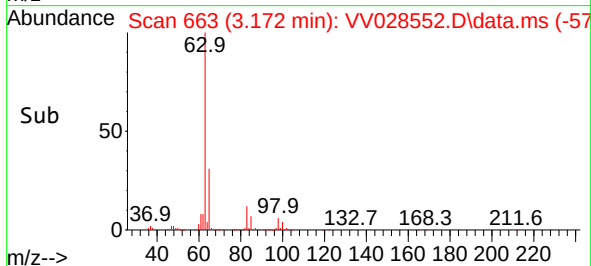
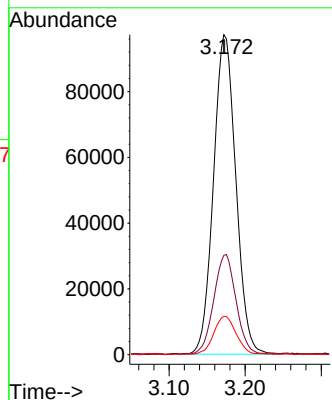
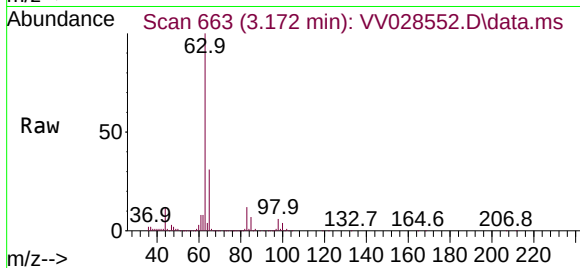
Tgt Ion: 63 Resp: 198400

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 12.0 8.5 15.7



#21

2-Butanone

Concen: 51.701 ug/L

RT: 4.027 min Scan# 929

Delta R.T. -0.003 min

Lab File: VV028552.D

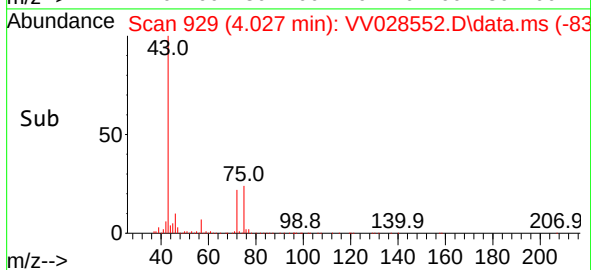
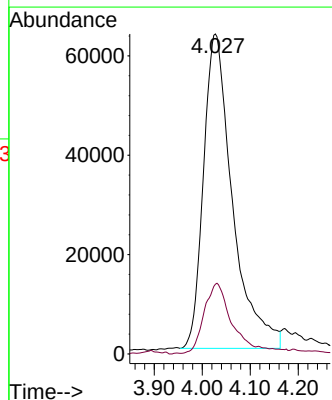
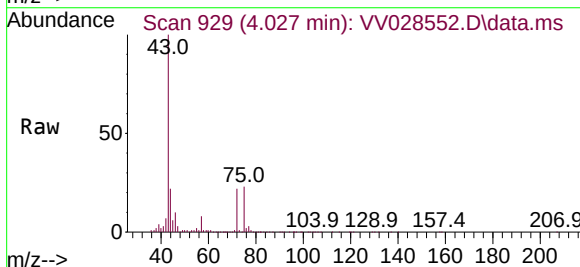
Acq: 14 Oct 2022 16:27

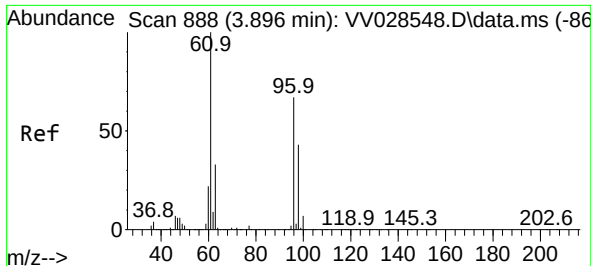
Tgt Ion: 43 Resp: 266042

Ion Ratio Lower Upper

43 100

72 20.4 11.1 33.3

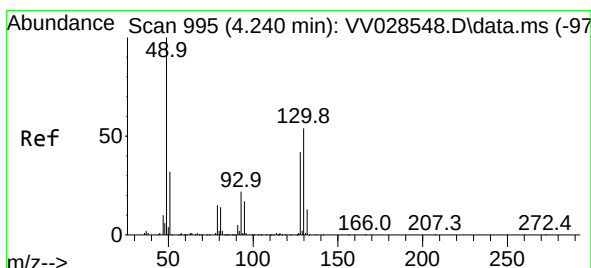
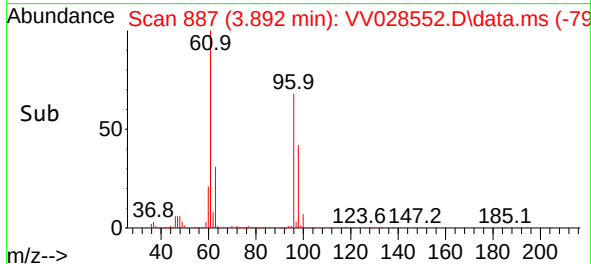
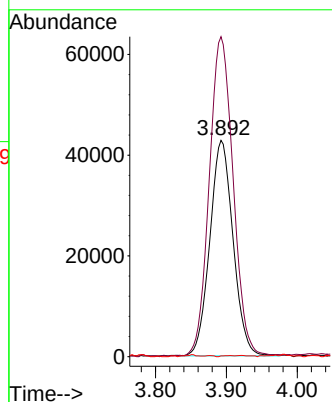
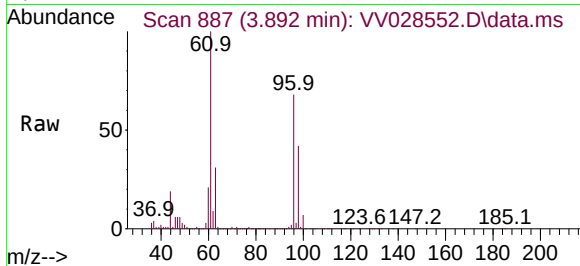




#22
 cis-1,2-Dichloroethene
 Concen: 4.818 ug/L
 RT: 3.892 min Scan# 888
 Delta R.T. -0.003 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

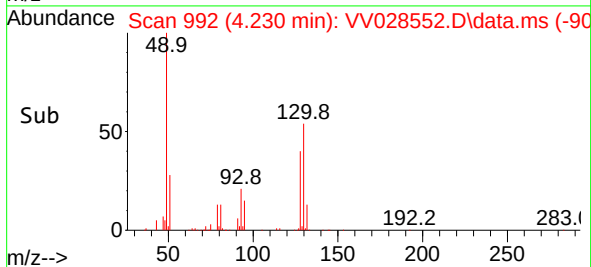
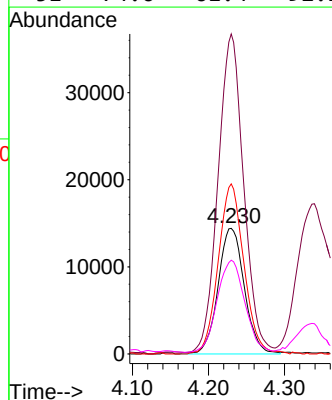
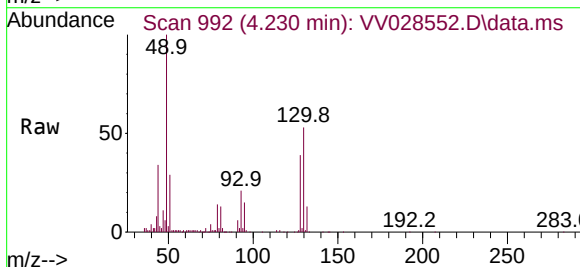
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

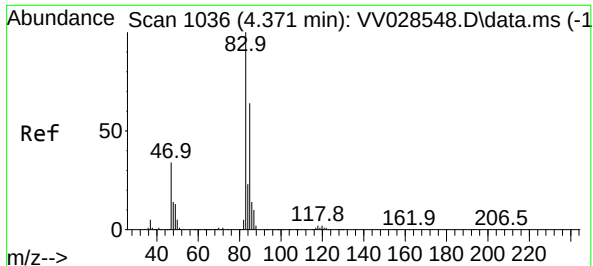
Tgt Ion: 96 Resp: 97684
 Ion Ratio Lower Upper
 96 100
 61 147.9 105.1 195.3
 68 0.4 0.5 0.9#



#23
 Bromochloromethane
 Concen: 4.447 ug/L
 RT: 4.230 min Scan# 992
 Delta R.T. -0.010 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

Tgt Ion: 128 Resp: 34572
 Ion Ratio Lower Upper
 128 100
 49 254.7 165.8 308.0
 130 135.4 88.8 165.0
 51 74.6 61.4 92.2

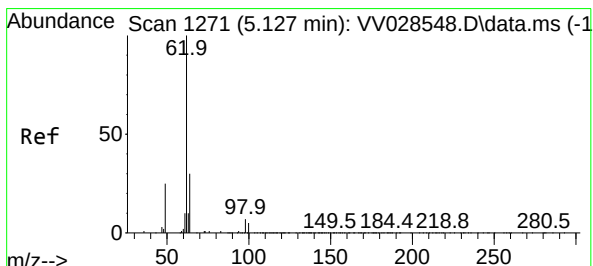
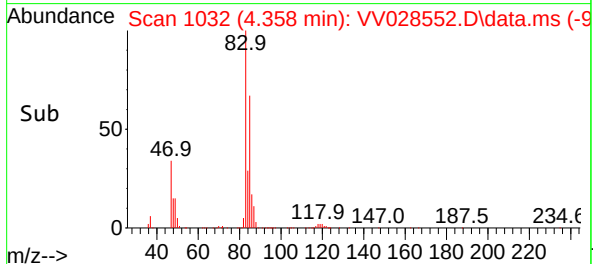
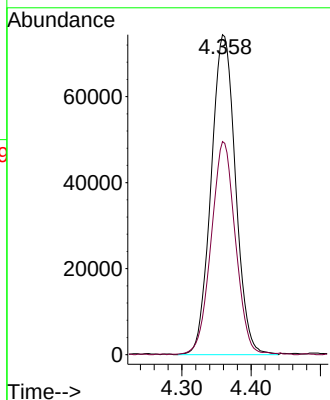
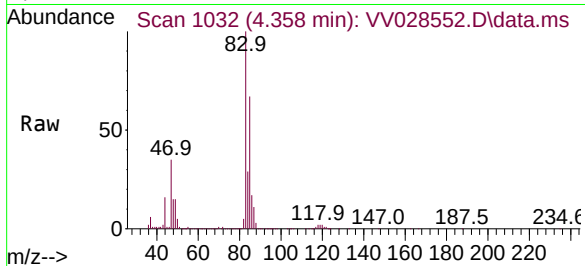




#25
Chloroform
Concen: 4.759 ug/L
RT: 4.358 min Scan# 1032
Delta R.T. -0.013 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

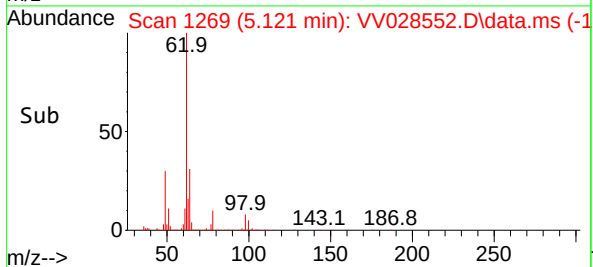
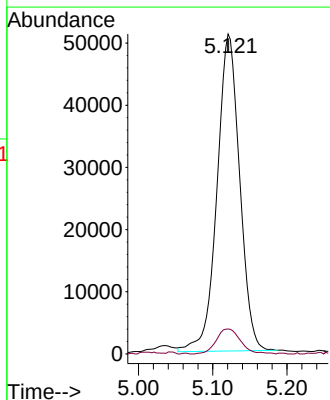
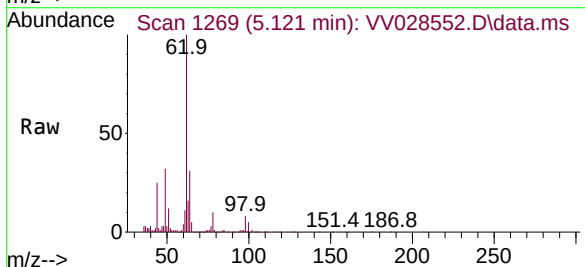
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

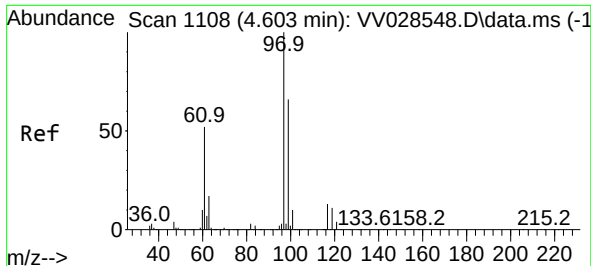
Tgt Ion: 83 Resp: 182009
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.748 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. -0.007 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 62 Resp: 108106
Ion Ratio Lower Upper
62 100
98 7.8 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 5.204 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.016 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

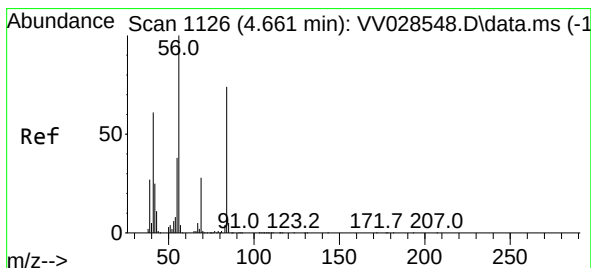
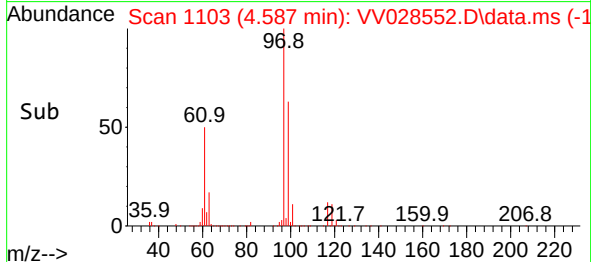
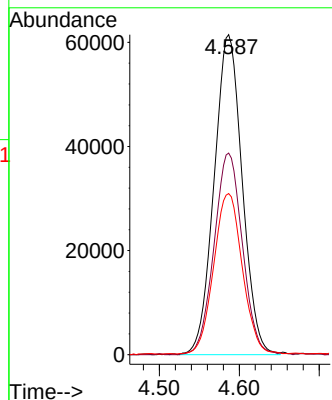
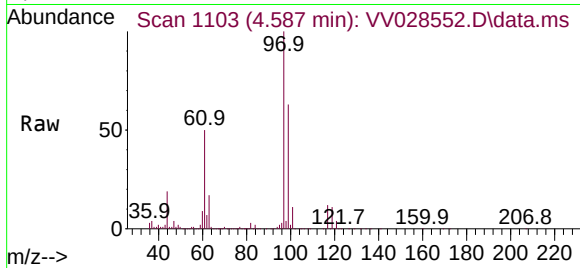
Tgt Ion: 97 Resp: 150137

Ion Ratio Lower Upper

97 100

99 63.4 52.6 78.8

61 51.0 42.1 63.1



#30

Cyclohexane

Concen: 5.318 ug/L

RT: 4.645 min Scan# 1121

Delta R.T. -0.016 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

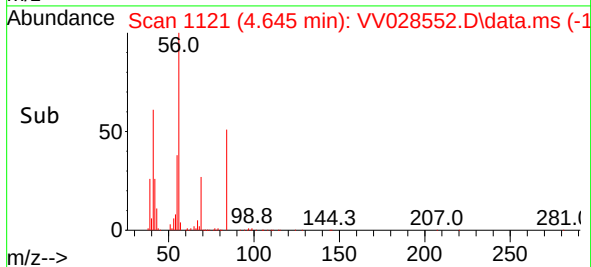
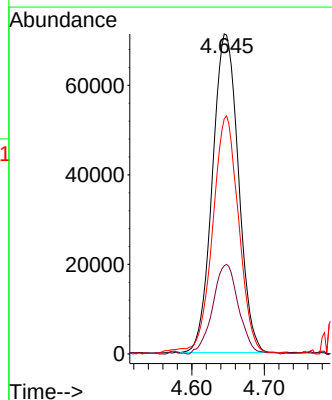
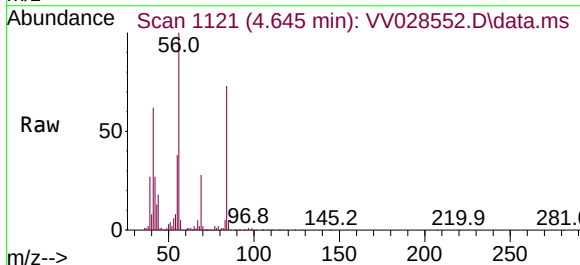
Tgt Ion: 56 Resp: 177134

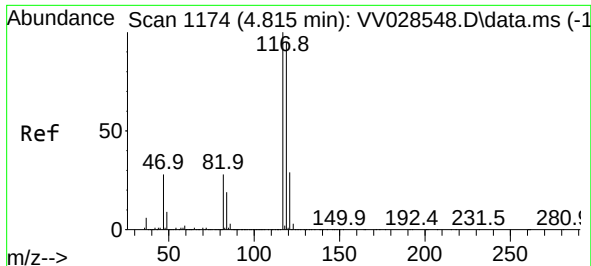
Ion Ratio Lower Upper

56 100

69 28.1 22.4 33.6

84 75.3 60.1 90.1

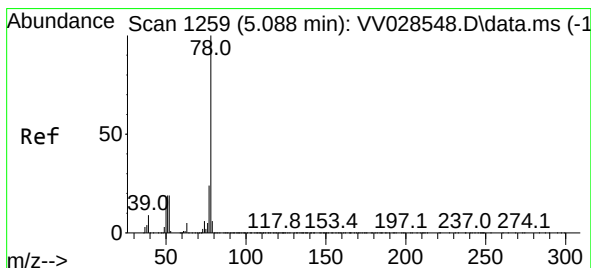
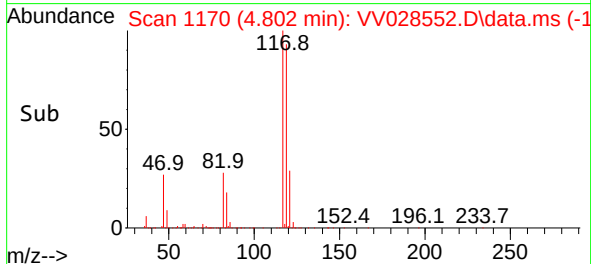
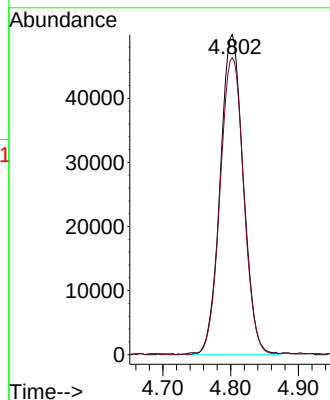
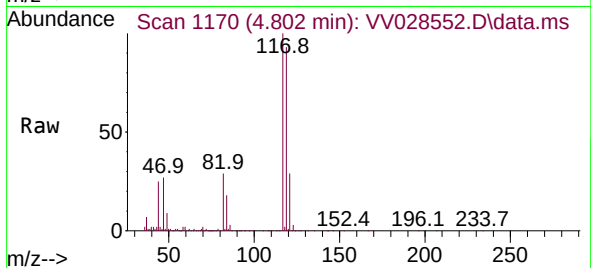




#31
Carbon tetrachloride
Concen: 5.232 ug/L
RT: 4.802 min Scan# 1170
Delta R.T. -0.013 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

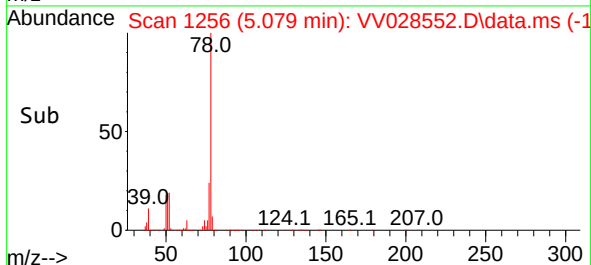
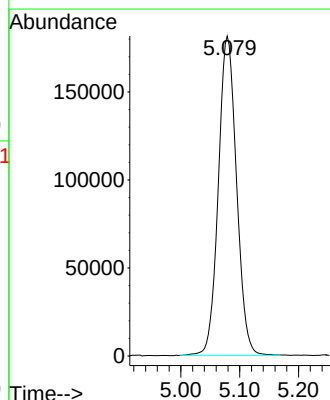
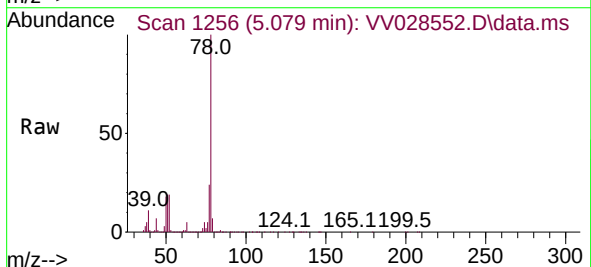
Instrument : MSVOA_V
ClientSampleId : VSTD005323

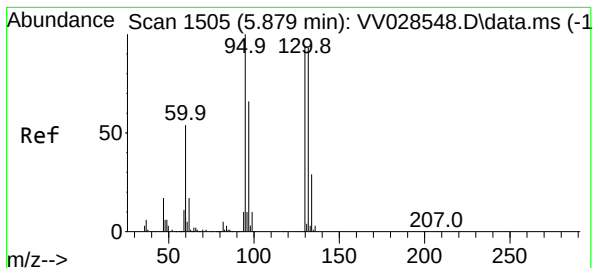
Tgt Ion:117 Resp: 118689
Ion Ratio Lower Upper
117 100
119 94.6 75.5 113.3



#33
Benzene
Concen: 5.285 ug/L
RT: 5.079 min Scan# 1256
Delta R.T. -0.010 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 78 Resp: 389761





#34

Trichloroethene

Concen: 5.283 ug/L

RT: 5.889 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion: 95 Resp: 93057

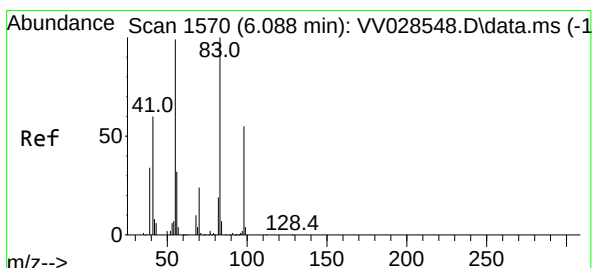
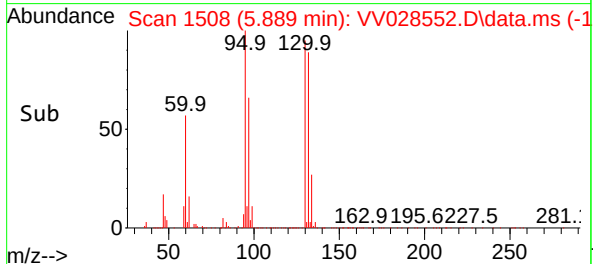
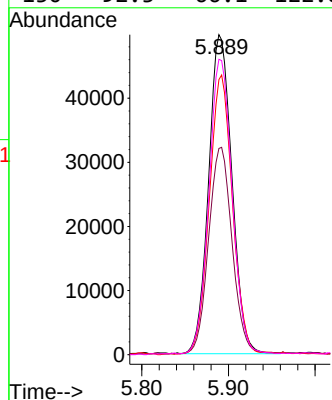
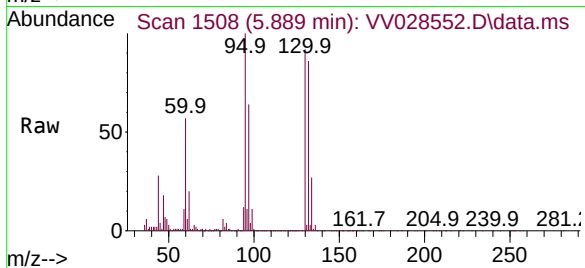
Ion Ratio Lower Upper

95 100

97 64.5 46.2 85.8

132 86.0 65.1 120.9

130 92.3 66.1 122.8



#35

Methylcyclohexane

Concen: 5.407 ug/L

RT: 6.098 min Scan# 1573

Delta R.T. 0.010 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

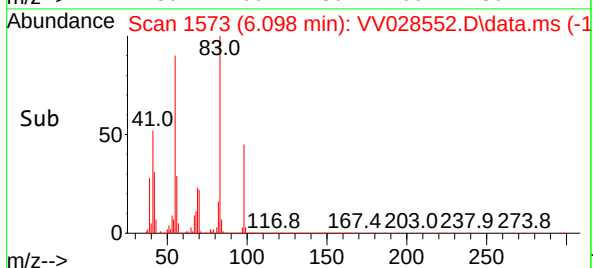
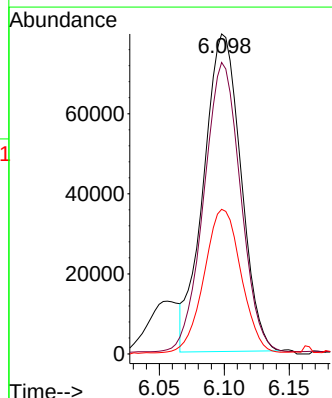
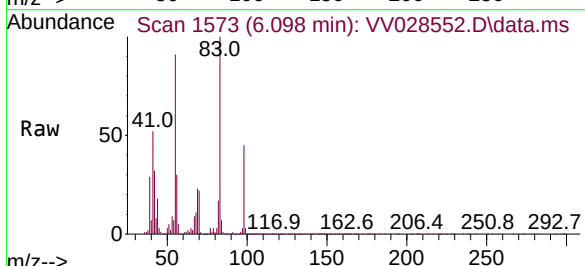
Tgt Ion: 83 Resp: 158585

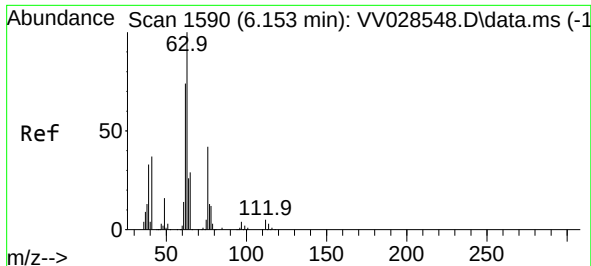
Ion Ratio Lower Upper

83 100

55 90.0 65.0 97.6

98 46.0 36.4 54.6





#37

1,2-Dichloropropane

Concen: 5.284 ug/L

RT: 6.156 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

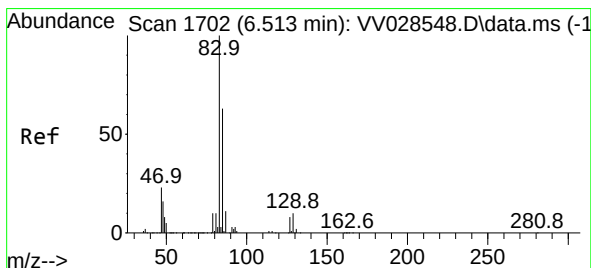
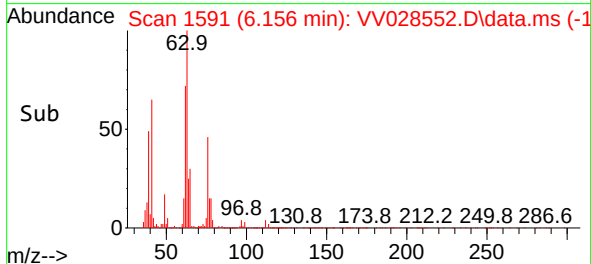
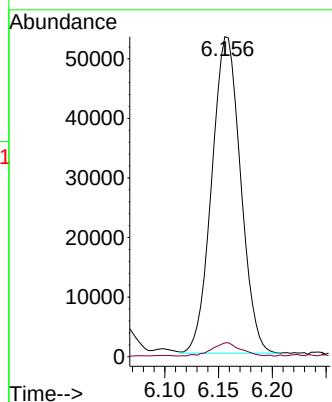
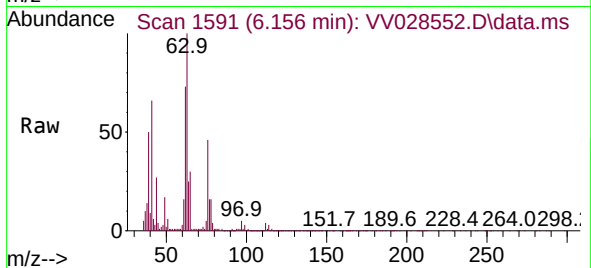
VSTD005323

Tgt Ion: 63 Resp: 99176

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 5.528 ug/L

RT: 6.487 min Scan# 1694

Delta R.T. -0.026 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

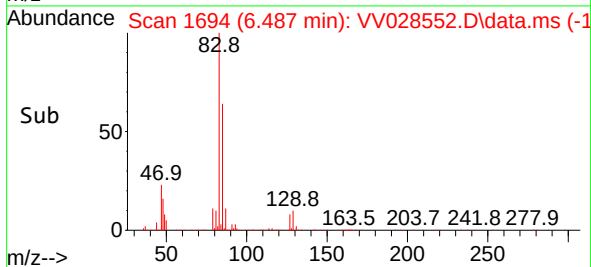
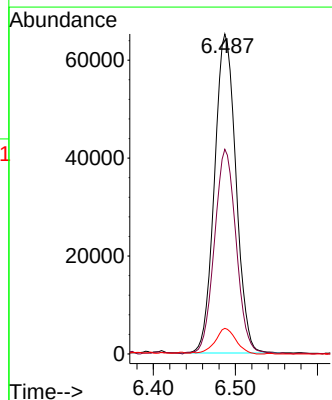
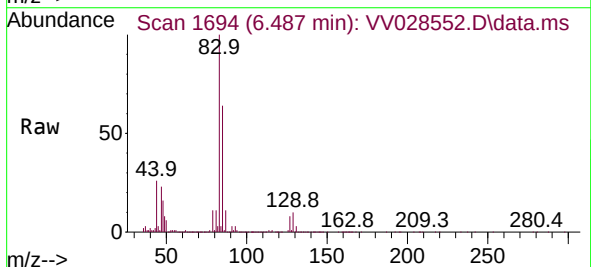
Tgt Ion: 83 Resp: 118333

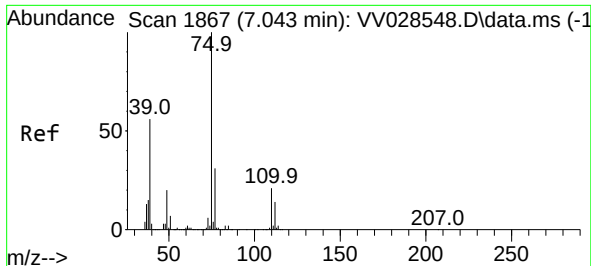
Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.0

127 8.0 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 4.425 ug/L

RT: 7.008 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

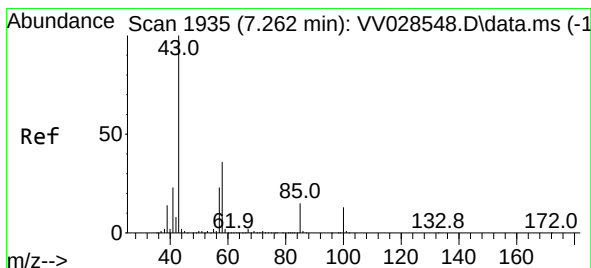
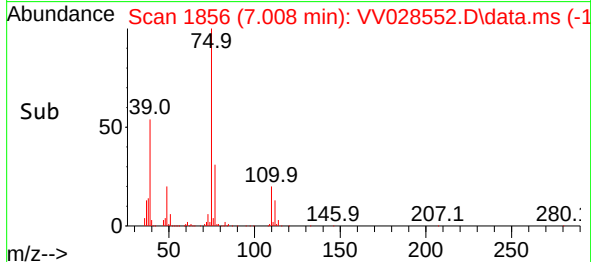
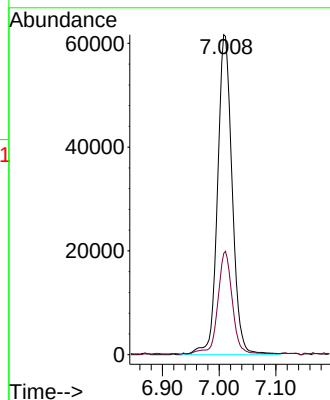
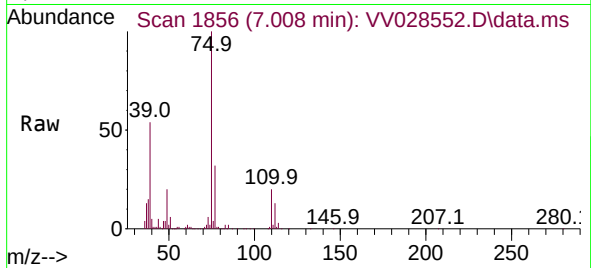
VSTD005323

Tgt Ion: 75 Resp: 110636

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 45.197 ug/L

RT: 7.243 min Scan# 1929

Delta R.T. -0.019 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

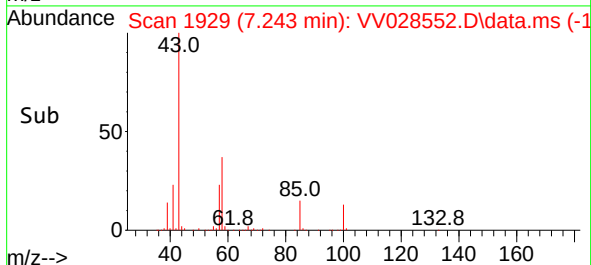
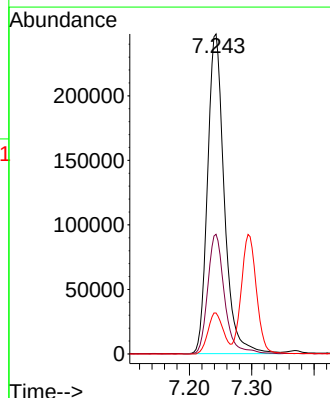
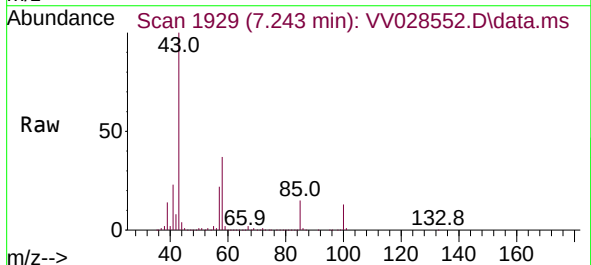
Tgt Ion: 43 Resp: 461965

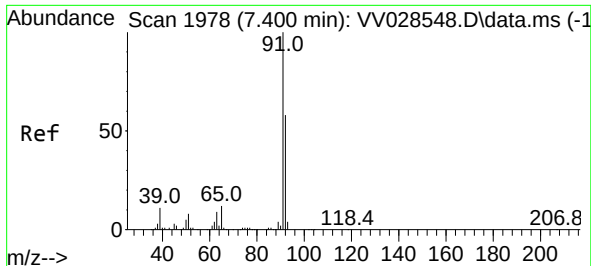
Ion Ratio Lower Upper

43 100

58 37.8 29.3 43.9

100 11.8 10.0 15.0

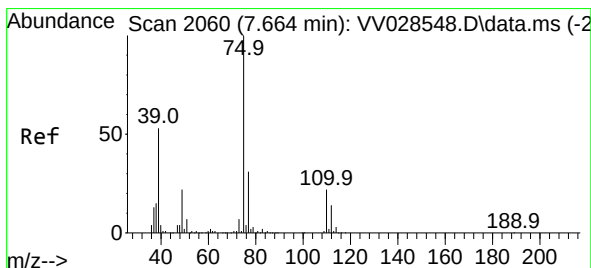
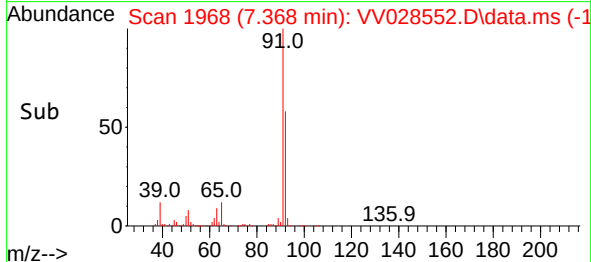
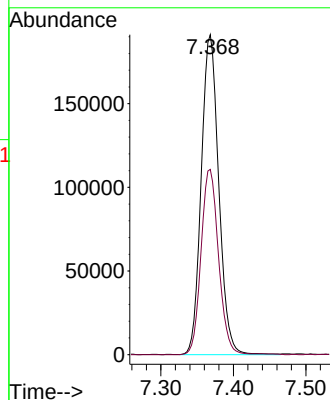
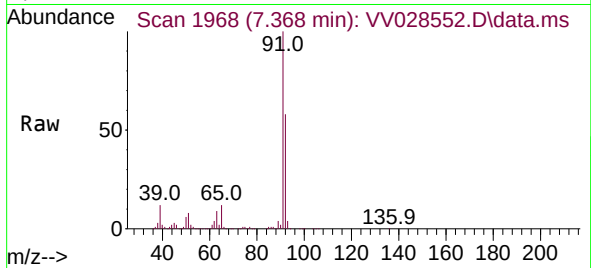




#42
Toluene
Concen: 4.635 ug/L
RT: 7.368 min Scan# 1978
Delta R.T. -0.032 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

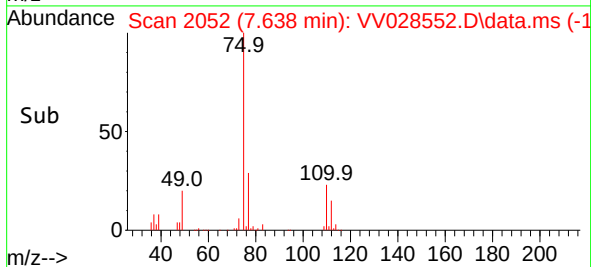
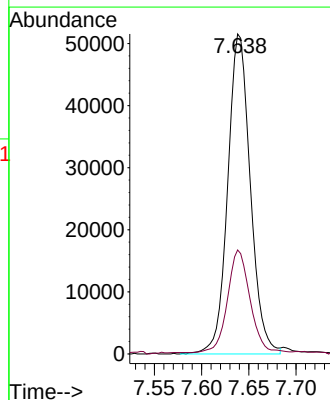
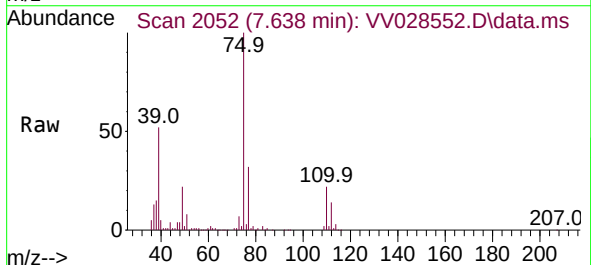
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

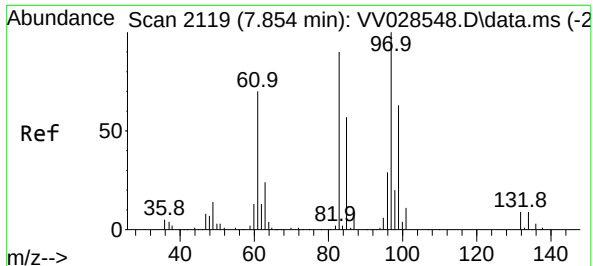
Tgt Ion: 91 Resp: 320749
Ion Ratio Lower Upper
91 100
92 57.9 40.7 75.5



#44
trans-1,3-Dichloropropene
Concen: 4.475 ug/L
RT: 7.638 min Scan# 2052
Delta R.T. -0.026 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 75 Resp: 85794
Ion Ratio Lower Upper
75 100
77 32.5 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.676 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. -0.023 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion: 97 Resp: 48791

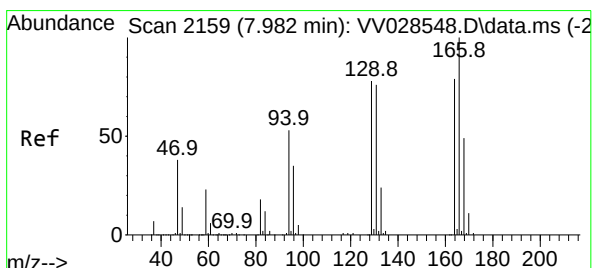
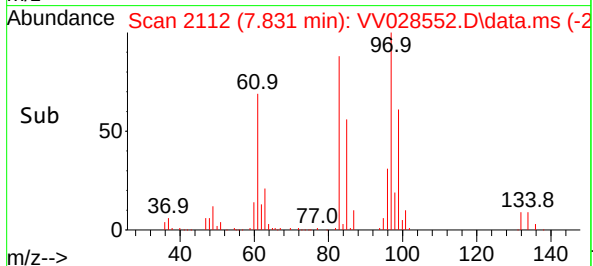
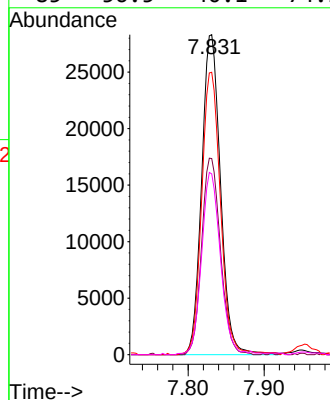
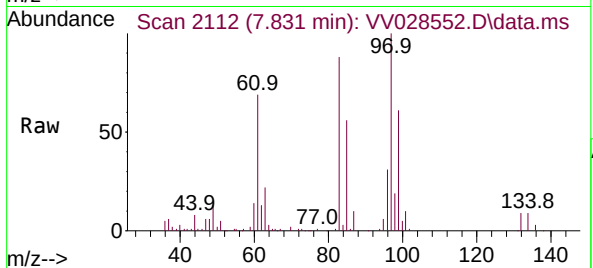
Ion Ratio Lower Upper

97 100

99 61.3 44.4 82.4

83 88.3 63.1 117.1

85 56.5 40.1 74.5



#47

Tetrachloroethene

Concen: 4.529 ug/L

RT: 7.956 min Scan# 2151

Delta R.T. -0.026 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Tgt Ion:164 Resp: 51921

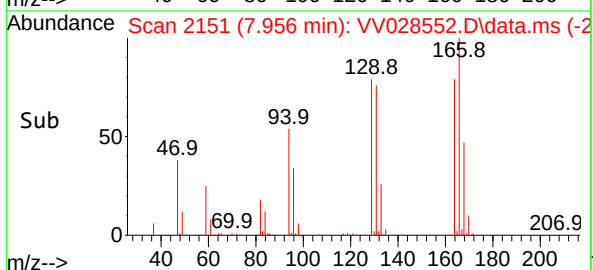
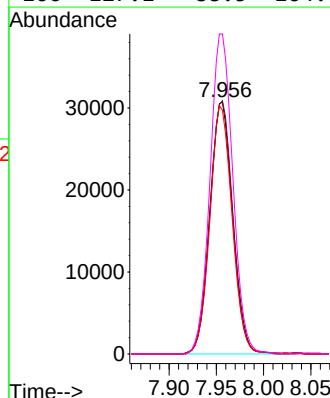
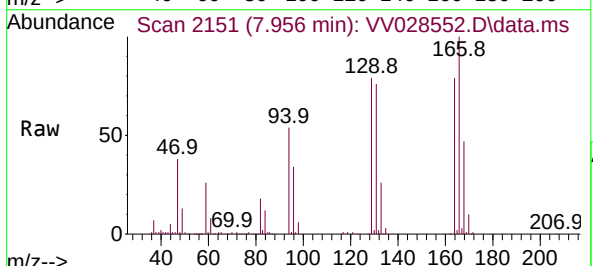
Ion Ratio Lower Upper

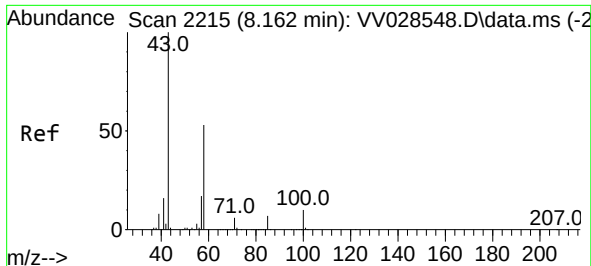
164 100

129 100.6 69.3 128.7

131 96.8 67.3 125.1

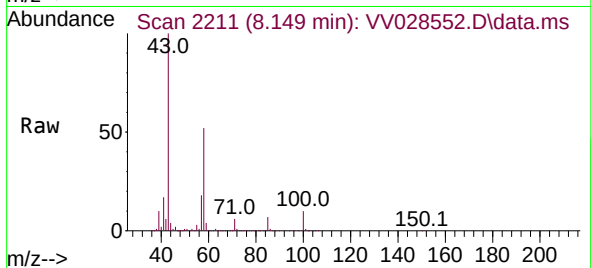
166 127.1 88.5 164.4



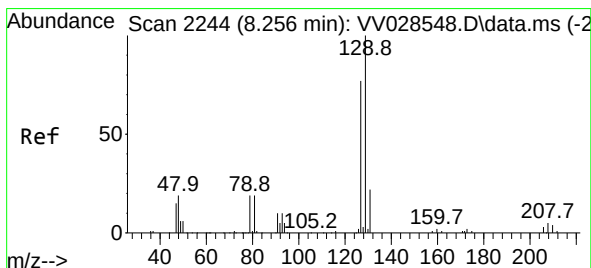
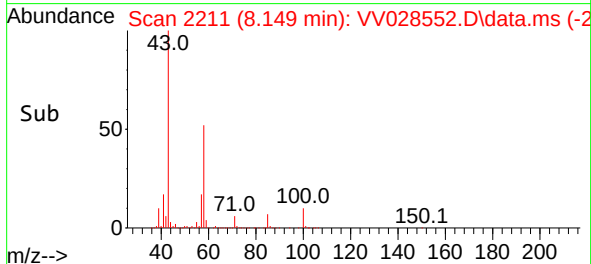
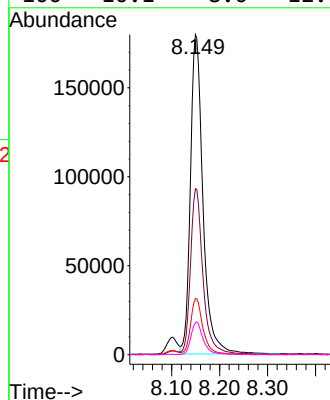


#48
2-Hexanone
Concen: 46.189 ug/L
RT: 8.149 min Scan# 21
Delta R.T. -0.013 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

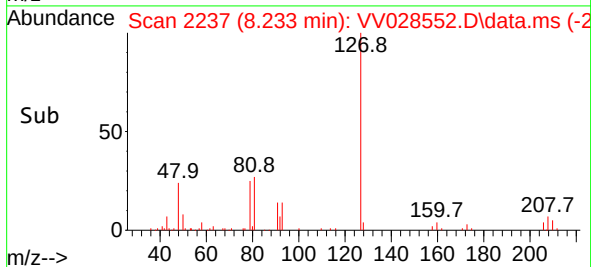
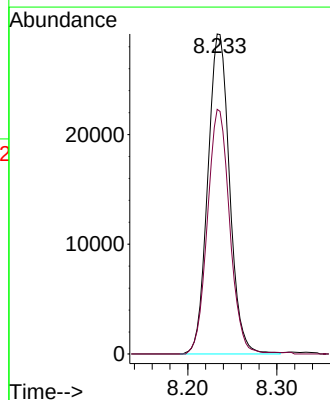
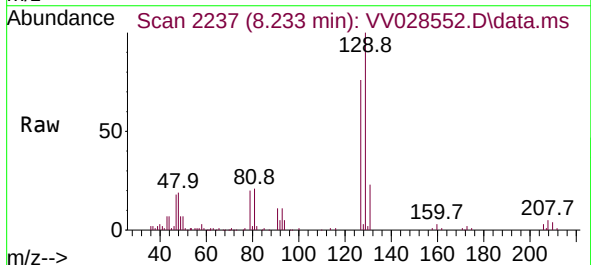


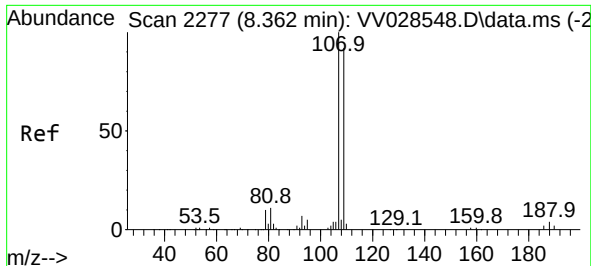
Tgt Ion: 43 Resp: 326555
Ion Ratio Lower Upper
43 100
58 51.5 42.5 63.7
57 17.3 14.5 21.7
100 10.1 8.0 12.0



#49
Dibromochloromethane
Concen: 4.447 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.023 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 129 Resp: 49492
Ion Ratio Lower Upper
129 100
127 76.4 53.8 100.0





#50

1,2-Dibromoethane

Concen: 4.590 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.019 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

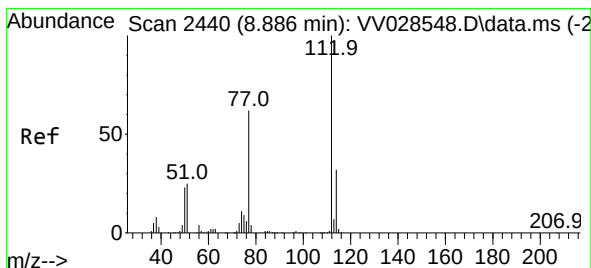
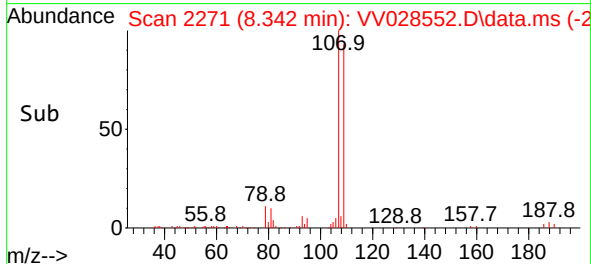
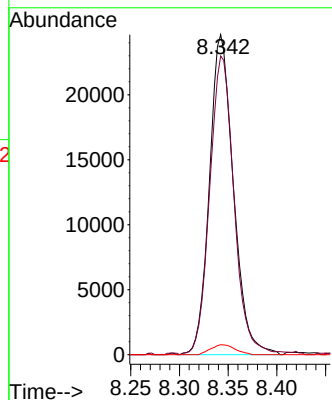
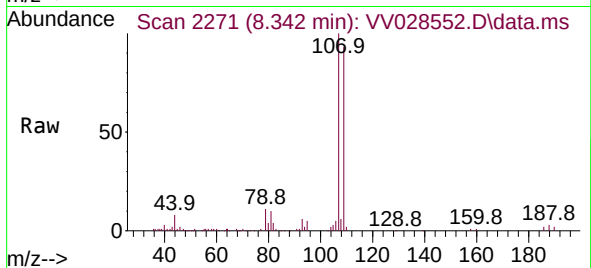
Tgt Ion:107 Resp: 42170

Ion Ratio Lower Upper

107 100

109 93.3 64.1 119.1

188 3.1 3.3 4.9#



#51

Chlorobenzene

Concen: 4.617 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.016 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

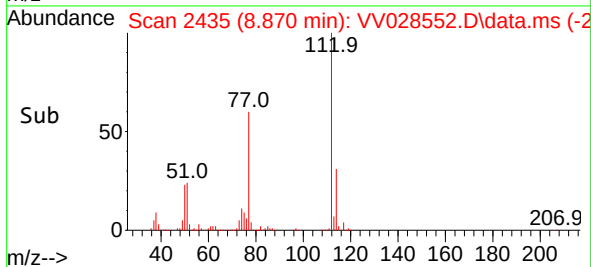
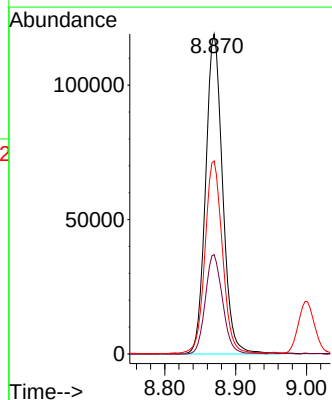
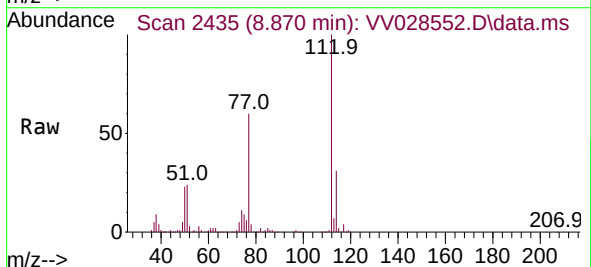
Tgt Ion:112 Resp: 198094

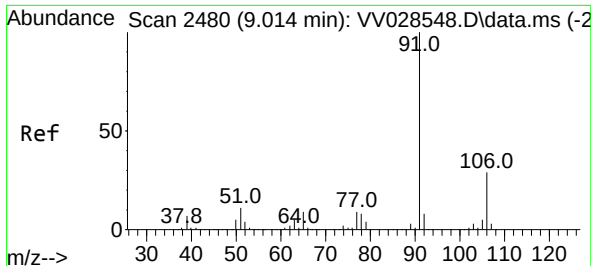
Ion Ratio Lower Upper

112 100

114 31.0 22.4 41.6

77 60.4 50.2 75.2





#52

Ethylbenzene

Concen: 4.599 ug/L

RT: 8.998 min Scan# 24

Delta R.T. -0.016 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

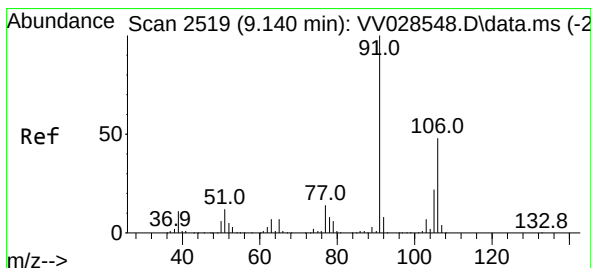
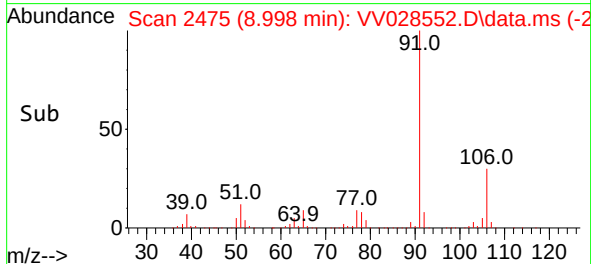
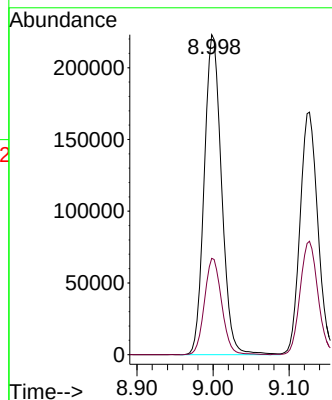
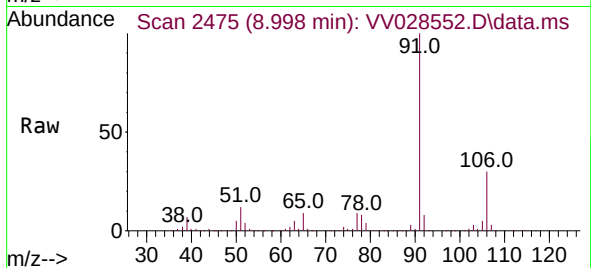
VSTD005323

Tgt Ion: 91 Resp: 353509

Ion Ratio Lower Upper

91 100

106 30.1 20.3 37.7



#53

m,p-Xylene

Concen: 4.504 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. -0.013 min

Lab File: VV028552.D

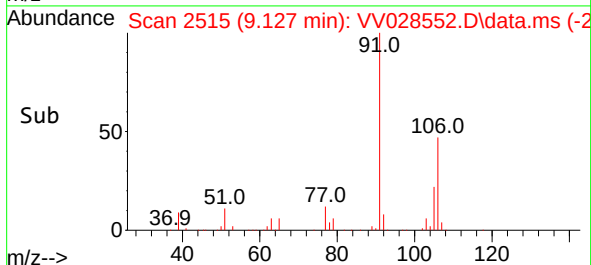
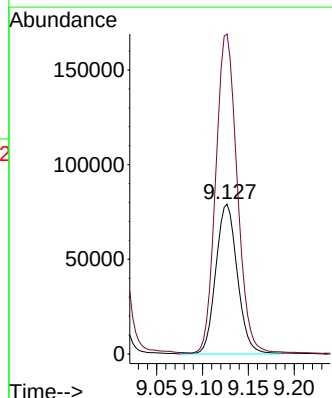
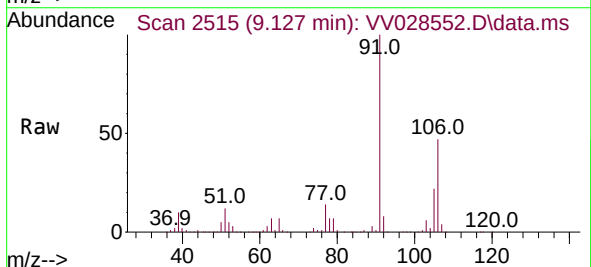
Acq: 14 Oct 2022 16:27

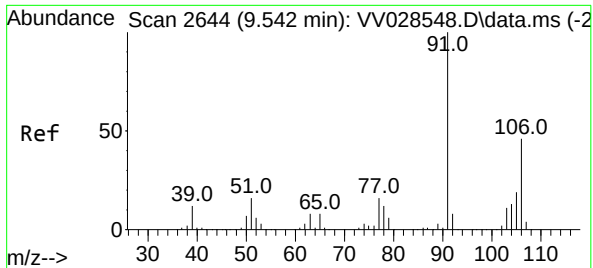
Tgt Ion: 106 Resp: 129487

Ion Ratio Lower Upper

106 100

91 213.7 146.9 272.9

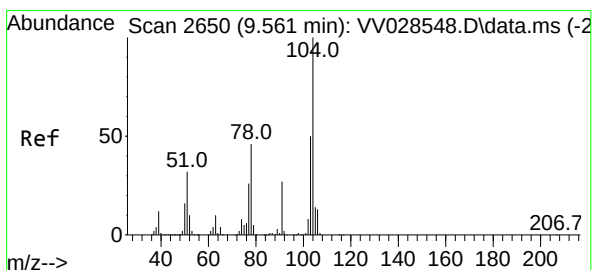
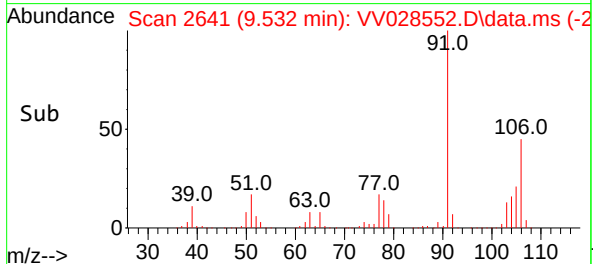
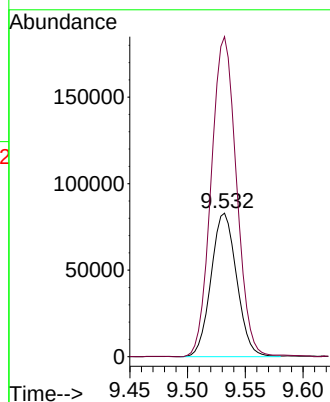
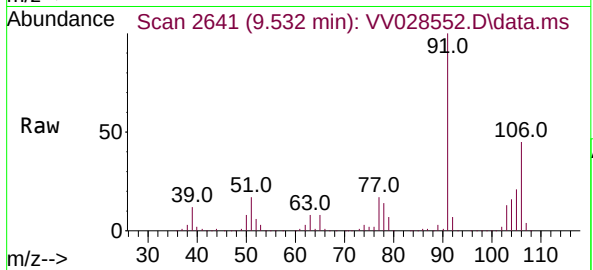




#54
o-Xylene
Concen: 4.594 ug/L
RT: 9.532 min Scan# 2
Delta R.T. -0.010 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

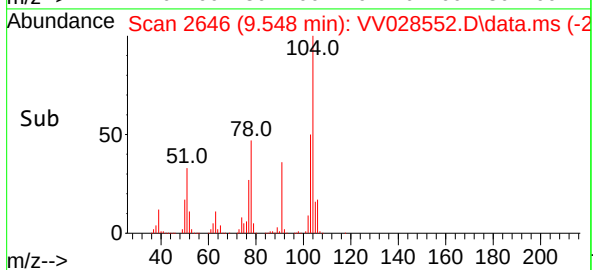
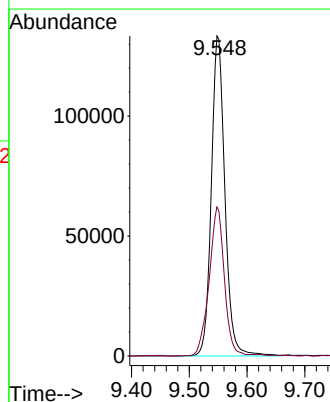
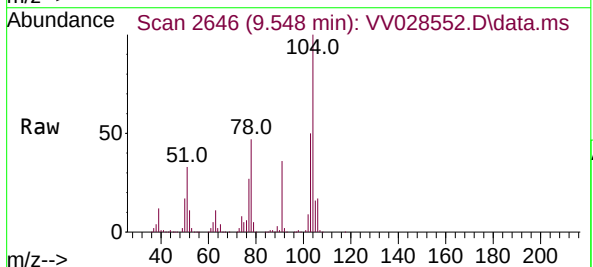
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

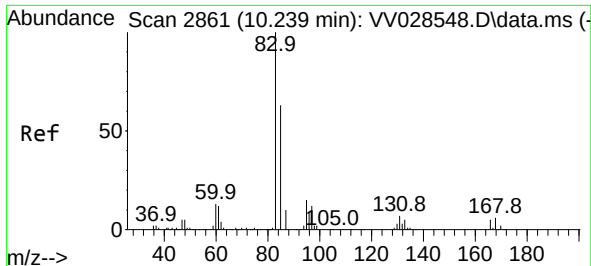
Tgt Ion:106 Resp: 128024
Ion Ratio Lower Upper
106 100
91 223.1 151.4 281.2



#55
Styrene
Concen: 4.625 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.013 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion:104 Resp: 218032
Ion Ratio Lower Upper
104 100
78 46.6 32.3 60.1

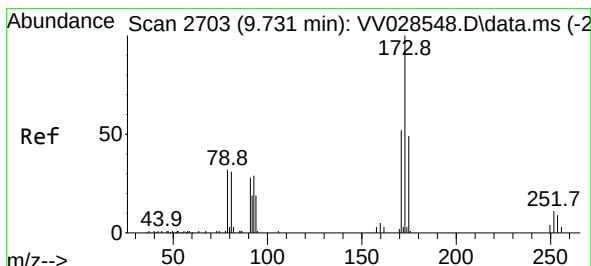
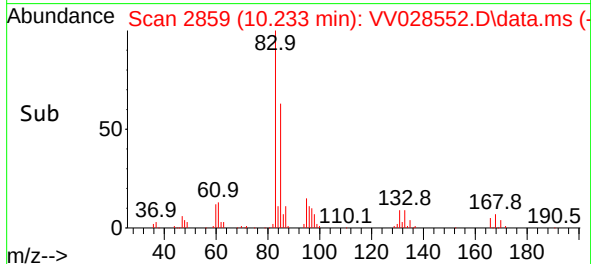
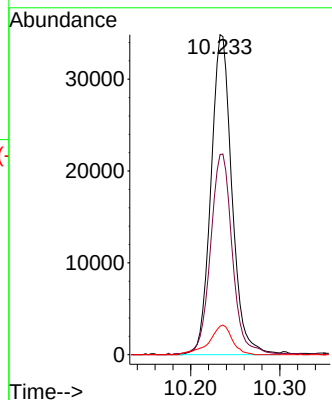
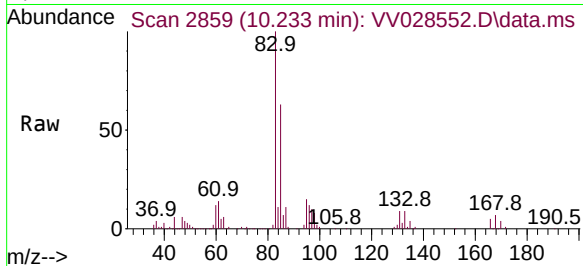




#57
1,1,2,2-Tetrachloroethane
Concen: 4.441 ug/L
RT: 10.233 min Scan# 21
Delta R.T. -0.007 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

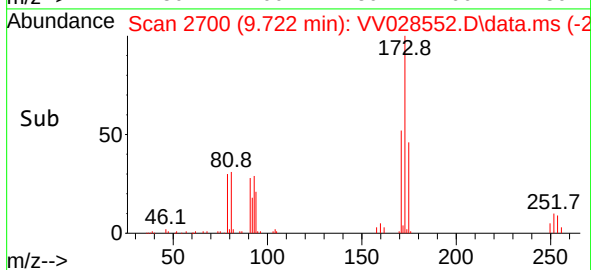
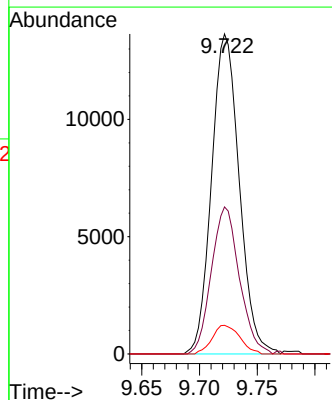
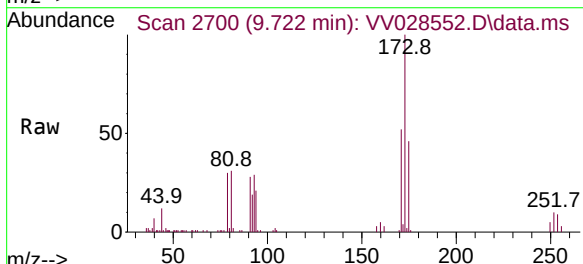
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

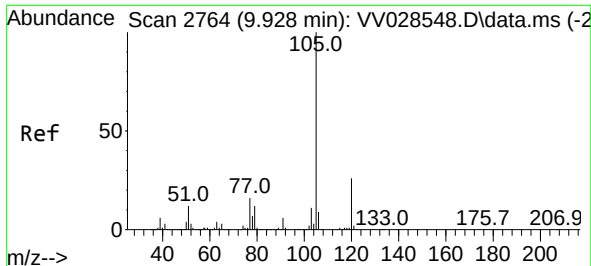
Tgt Ion: 83 Resp: 56932
Ion Ratio Lower Upper
83 100
85 62.5 44.3 82.3
131 8.9 6.4 9.6



#59
Bromoform
Concen: 4.447 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. -0.010 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 173 Resp: 22740
Ion Ratio Lower Upper
173 100
175 46.4 39.4 59.0
254 9.0 7.4 11.2

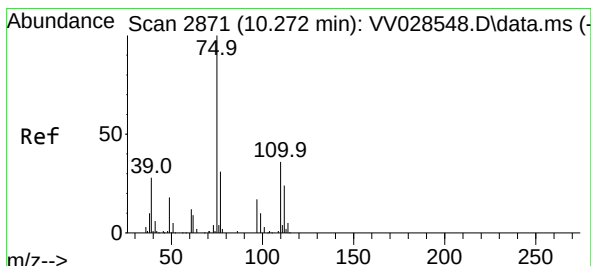
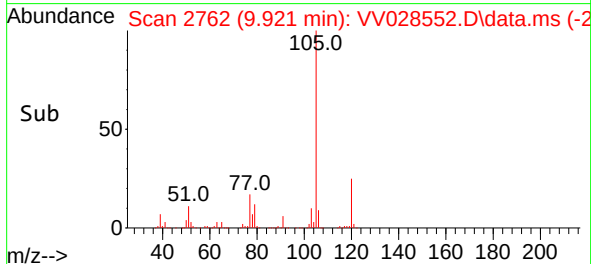
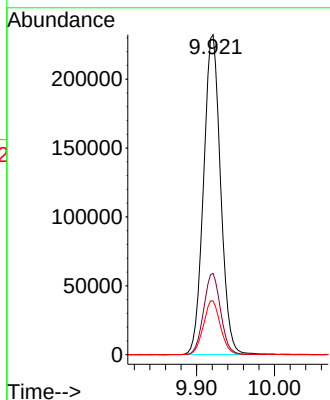
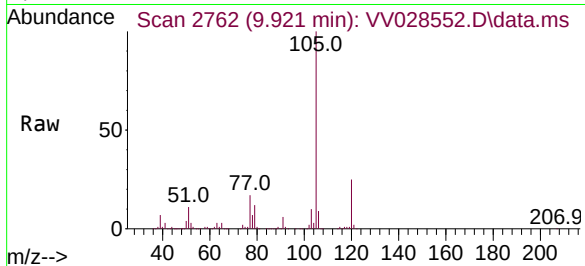




#60
Isopropylbenzene
Concen: 4.748 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.007 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

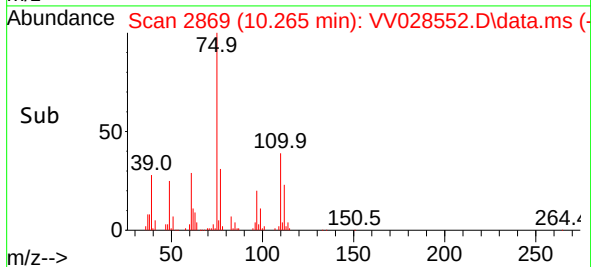
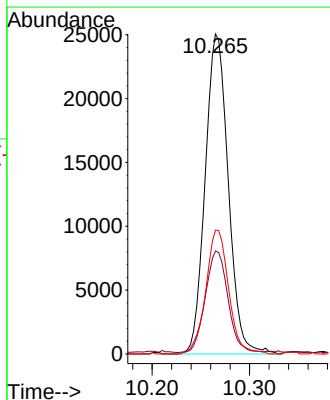
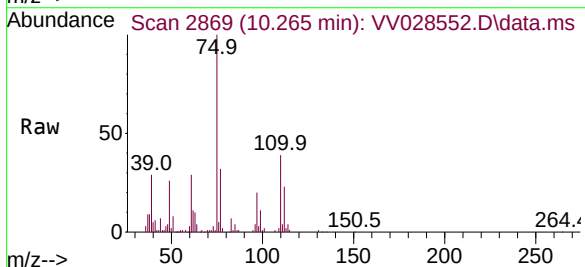
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

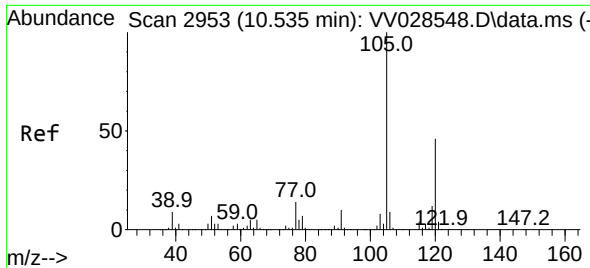
Tgt Ion:105 Resp: 352004
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1
77 16.9 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 4.547 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.007 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion: 75 Resp: 41267
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0
110 38.2 28.3 42.5

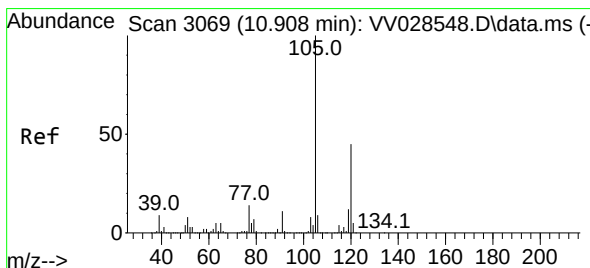
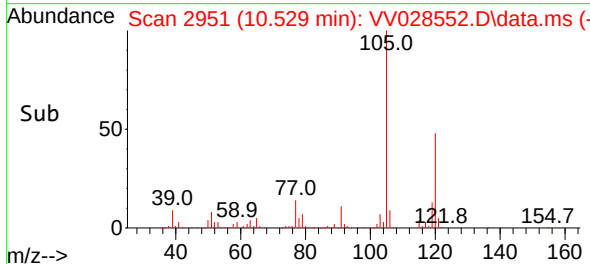
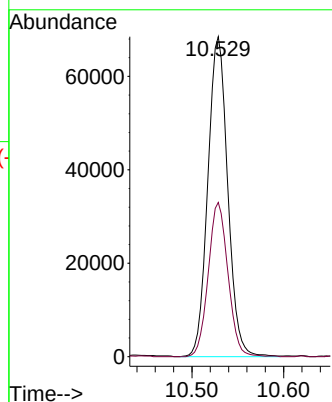
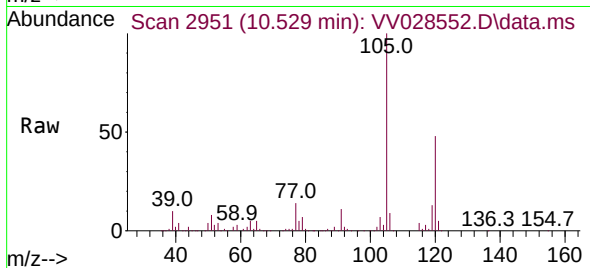




#62
 1,3,5-Trimethylbenzene
 Concen: 4.625 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. -0.007 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

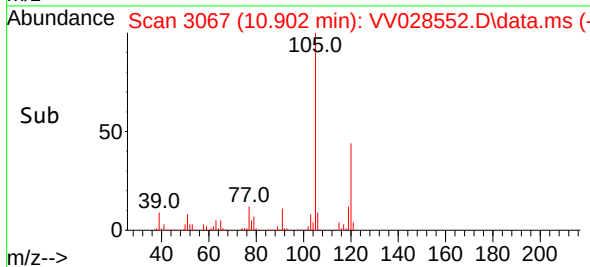
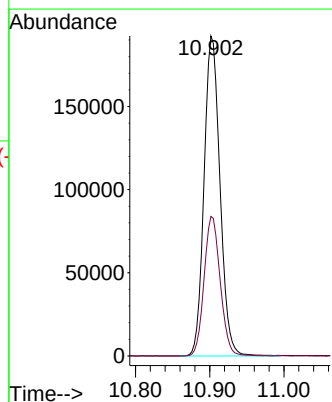
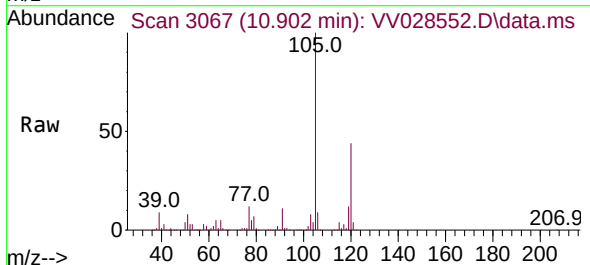
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005323

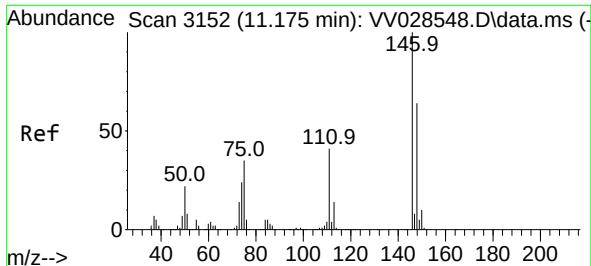
Tgt Ion:105 Resp: 103148
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.701 ug/L
 RT: 10.902 min Scan# 3067
 Delta R.T. -0.007 min
 Lab File: VV028552.D
 Acq: 14 Oct 2022 16:27

Tgt Ion:105 Resp: 286656
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.6 53.4

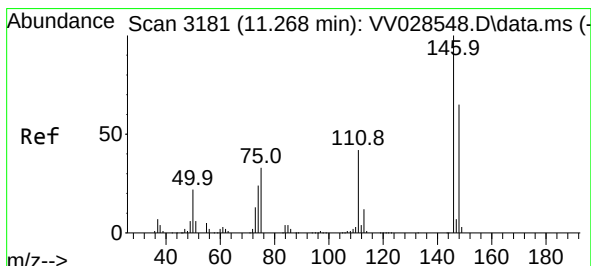
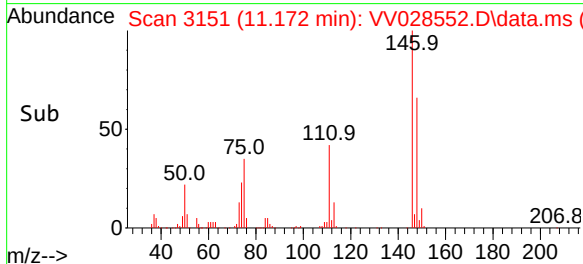
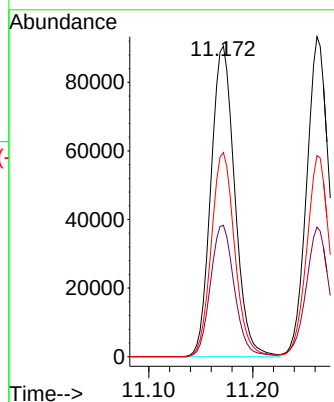
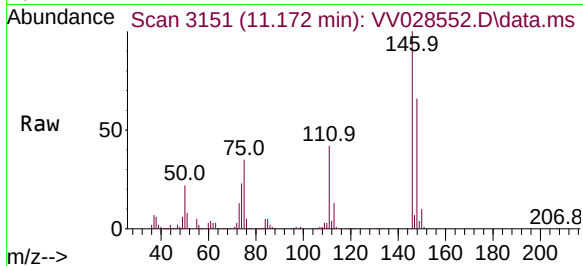




#64
1,3-Dichlorobenzene
Concen: 4.613 ug/L
RT: 11.172 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

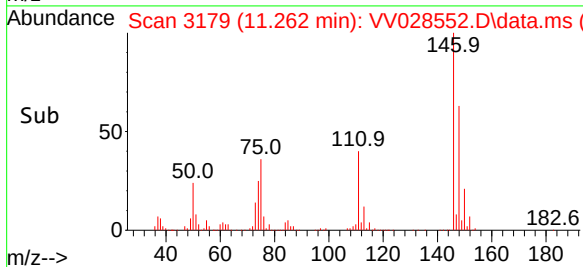
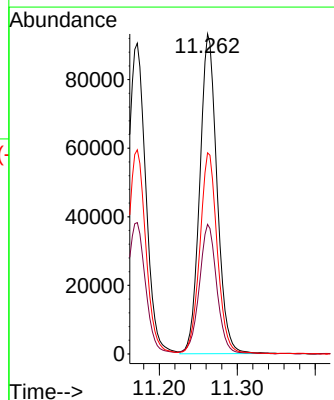
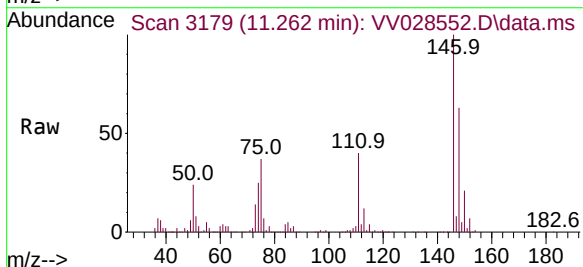
Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

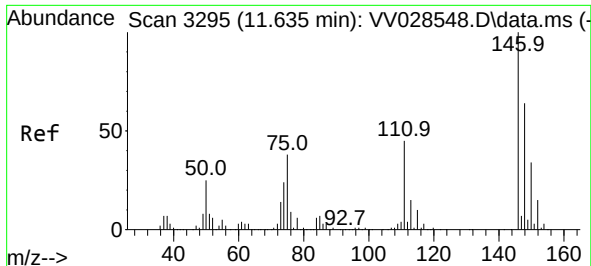
Tgt Ion:146 Resp: 144266
Ion Ratio Lower Upper
146 100
111 42.3 28.5 52.9
148 65.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 4.681 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.007 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion:146 Resp: 143490
Ion Ratio Lower Upper
146 100
111 40.5 29.4 54.6
148 62.9 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 4.606 ug/L

RT: 11.632 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

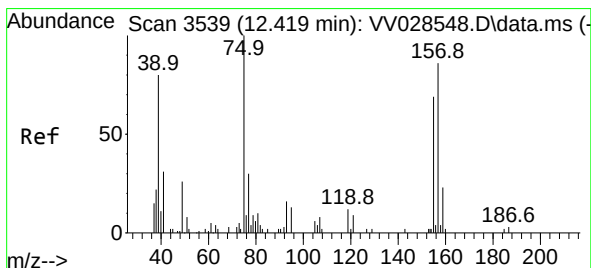
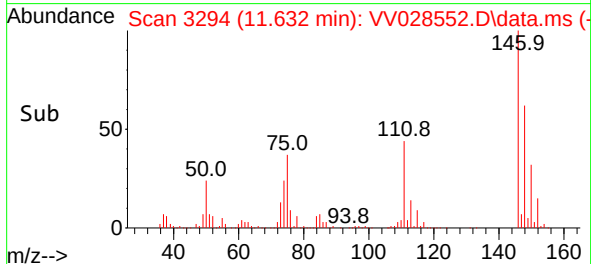
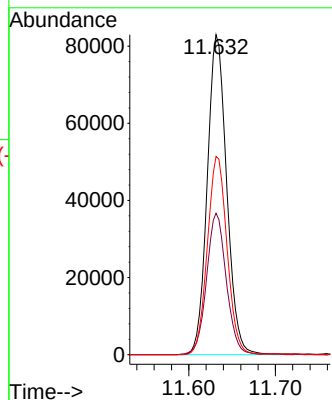
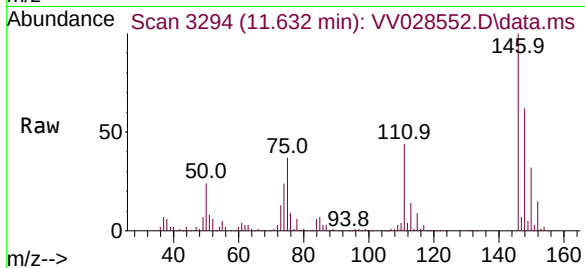
Tgt Ion:146 Resp: 129238

Ion Ratio Lower Upper

146 100

111 44.2 35.7 53.5

148 62.0 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.296 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

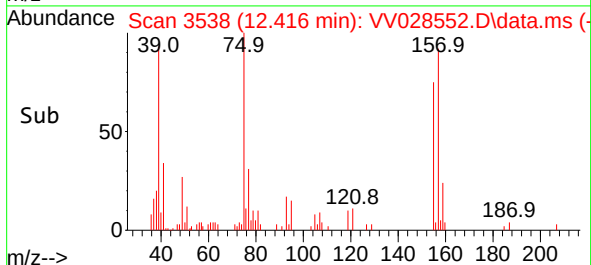
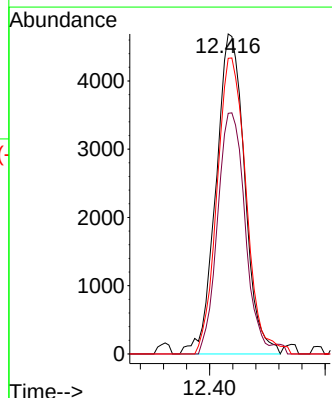
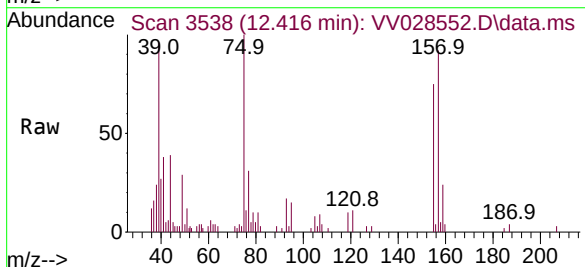
Tgt Ion: 75 Resp: 8094

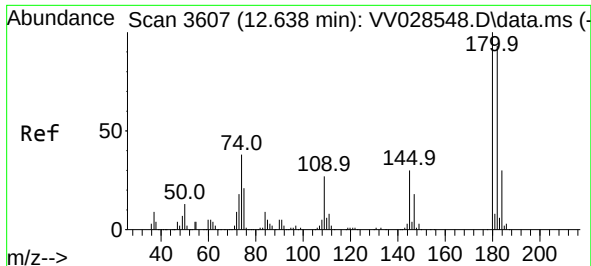
Ion Ratio Lower Upper

75 100

155 75.2 55.2 82.8

157 92.4 68.6 103.0





#69

1,3,5-Trichlorobenzene

Concen: 4.670 ug/L

RT: 12.635 min Scan# 3607

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005323

Tgt Ion:180 Resp: 106846

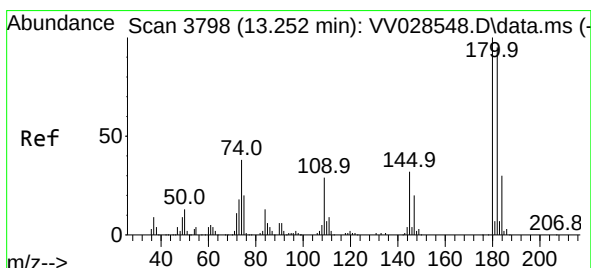
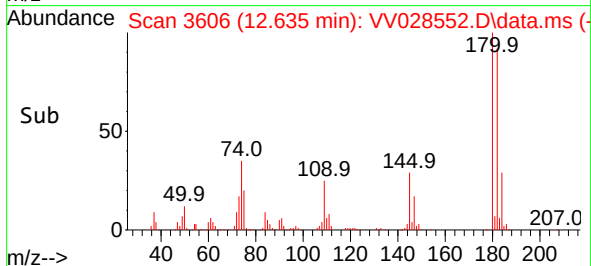
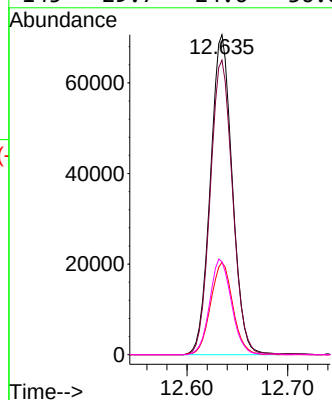
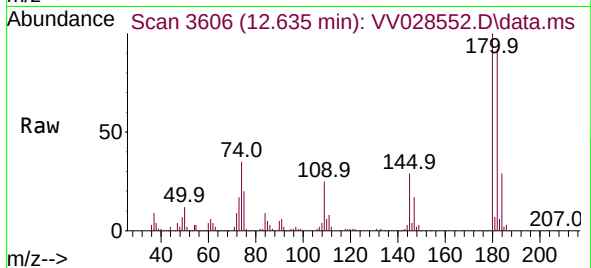
Ion Ratio Lower Upper

180 100

182 93.8 75.6 113.4

184 29.2 23.8 35.8

145 29.7 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 4.504 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.003 min

Lab File: VV028552.D

Acq: 14 Oct 2022 16:27

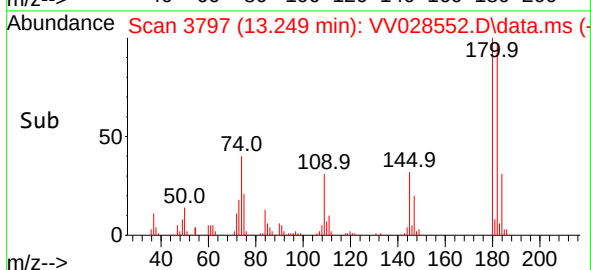
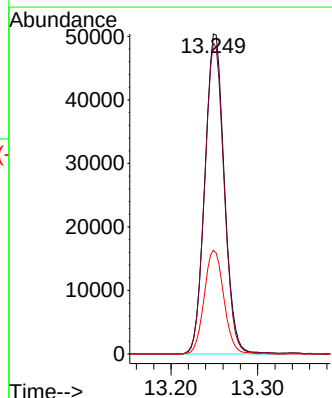
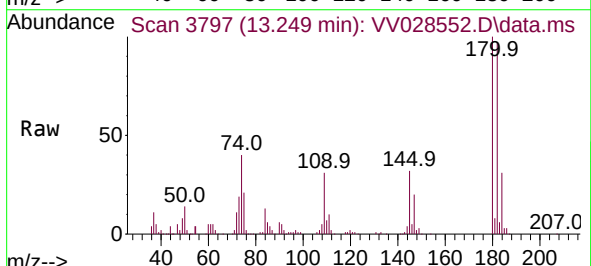
Tgt Ion:180 Resp: 78482

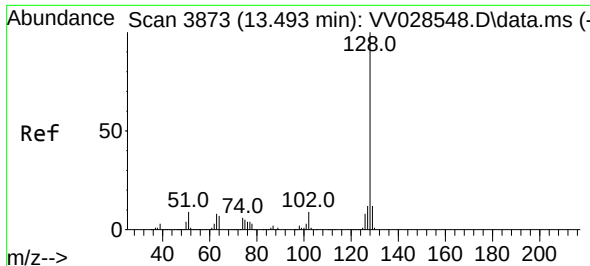
Ion Ratio Lower Upper

180 100

182 96.7 74.2 111.2

145 32.7 25.3 37.9

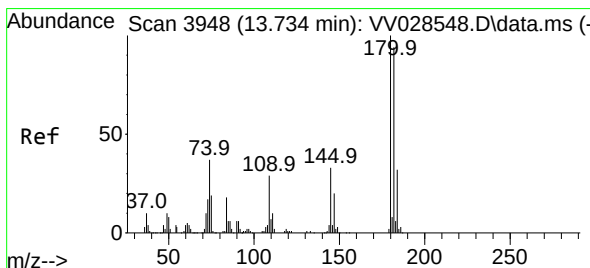
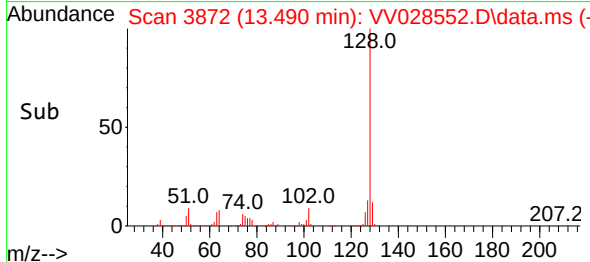
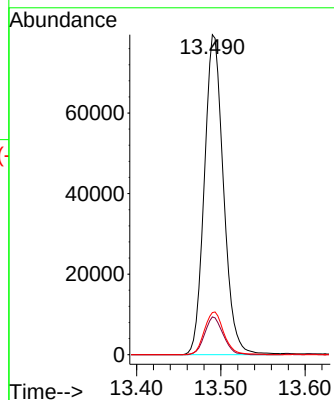
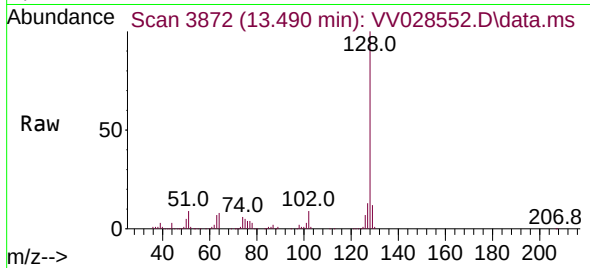




#71
Naphthalene
Concen: 4.819 ug/L
RT: 13.490 min Scan# 3873
Delta R.T. -0.003 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005323

Tgt Ion:128 Resp: 125818
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.6 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.652 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. -0.003 min
Lab File: VV028552.D
Acq: 14 Oct 2022 16:27

Tgt Ion:180 Resp: 66800
Ion Ratio Lower Upper
180 100
182 95.5 76.3 114.5
145 33.9 25.8 38.8

