

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120622\
 Data File : VW029408.D
 Acq On : 06 Dec 2022 15:03
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005379

Quant Time: Dec 06 21:49:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:48:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	229804	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	210115	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	115946	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	70082	4.956	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	1.564	69	52341	5.056	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.105	63	107686	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.899	46	98599	41.677	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.360%
24) Chloroform-d	4.336	84	120859	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.021	65	50417	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.040	84	246865	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.059	67	71917	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.304	98	230800	4.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.612	79	27494	4.370	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.082	63	100555	44.840	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.680%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	50475	5.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	83427	4.119	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	83715	4.882	ug/L	99
3) Chloromethane	1.240	50	90121	5.736	ug/L	99
5) Vinyl chloride	1.310	62	83303	5.321	ug/L	99
6) Bromomethane	1.519	94	39286	4.022	ug/L	100
8) Chloroethane	1.584	64	49111	5.278	ug/L	96
9) Trichlorofluoromethane	1.751	101	112839	5.149	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	65390	5.352	ug/L	97
12) 1,1-Dichloroethene	2.114	96	62091	5.255	ug/L	91
13) Acetone	2.191	43	64404	37.440	ug/L	99
14) Carbon disulfide	2.288	76	177776	5.178	ug/L	99
15) Methyl Acetate	2.433	43	19663	3.977	ug/L	93
16) Methylene chloride	2.500	84	86132	4.771	ug/L	97
17) Methyl tert-butyl Ether	2.764	73	162488	5.378	ug/L	99
18) trans-1,2-Dichloroethene	2.751	96	73895	5.449	ug/L	97
19) 1,1-Dichloroethane	3.178	63	137867	5.648	ug/L	99
21) 2-Butanone	3.979	43	128586	47.750	ug/L	100
22) cis-1,2-Dichloroethene	3.899	96	83293	5.370	ug/L	95
23) Bromochloromethane	4.236	128	35137	5.655	ug/L	96
25) Chloroform	4.362	83	140294	5.505	ug/L	98

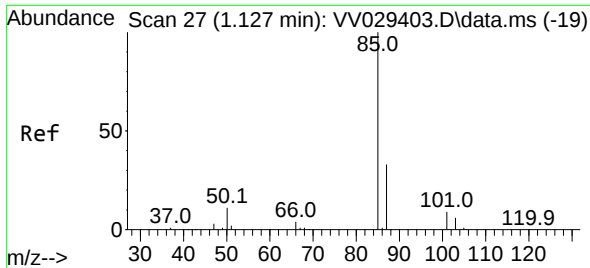
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.120	62	72664	5.263	ug/L	98
29) 1,1,1-Trichloroethane	4.596	97	124593	5.155	ug/L	100
30) Cyclohexane	4.664	56	113044	4.732	ug/L	98
31) Carbon tetrachloride	4.815	117	106875	5.229	ug/L	99
33) Benzene	5.088	78	316973	5.044	ug/L	100
34) Trichloroethene	5.902	95	82439	5.142	ug/L	92
35) Methylcyclohexane	6.120	83	124829	4.613	ug/L	98
37) 1,2-Dichloropropane	6.162	63	76757	5.185	ug/L	100
38) Bromodichloromethane	6.500	83	101729	5.740	ug/L	98
39) cis-1,3-Dichloropropene	7.018	75	111856	5.169	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	352717	50.918	ug/L	98
42) Toluene	7.378	91	344271	5.104	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	91269	5.324	ug/L	99
45) 1,1,2-Trichloroethane	7.828	97	55190	5.507	ug/L	98
47) Tetrachloroethene	7.963	164	63479	4.830	ug/L	97
48) 2-Hexanone	8.133	43	250459	51.864	ug/L	98
49) Dibromochloromethane	8.236	129	66226	5.874	ug/L	97
50) 1,2-Dibromoethane	8.342	107	47792	5.465	ug/L	97
51) Chlorobenzene	8.873	112	219041	5.196	ug/L	99
52) Ethylbenzene	9.001	91	371776	5.287	ug/L	100
53) m,p-Xylene	9.127	106	145777	5.256	ug/L	100
54) o-Xylene	9.532	106	140140	5.144	ug/L	95
55) Styrene	9.551	104	250148	5.439	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	63916	6.163	ug/L	99
59) Bromoform	9.722	173	37920	6.225	ug/L	99
60) Isopropylbenzene	9.921	105	382182	5.098	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	44429	5.525	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	330525	5.092	ug/L	98
63) 1,2,4-Trimethylbenzene	10.902	105	331236	5.074	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	186066	5.320	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	181772	5.254	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	169468	5.260	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	10169	6.439	ug/L	94
69) 1,3,5-Trichlorobenzene	12.631	180	151846	5.270	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	121557	5.206	ug/L	99
71) Naphthalene	13.493	128	112046	5.544	ug/L	100
72) 1,2,3-Trichlorobenzene	13.731	180	100493	5.287	ug/L	100

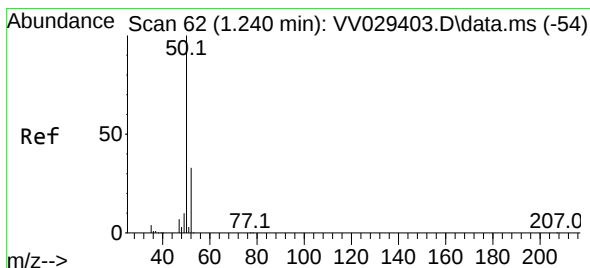
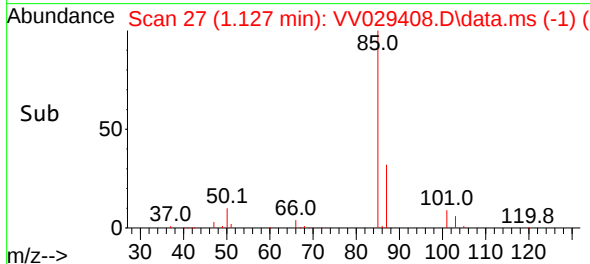
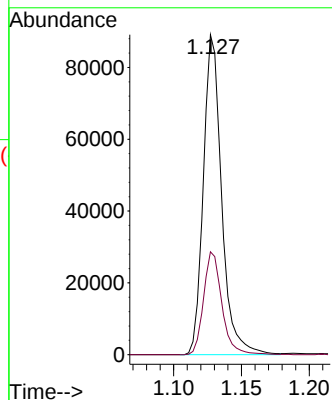
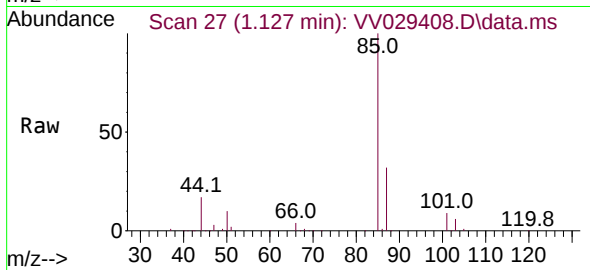
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.882 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

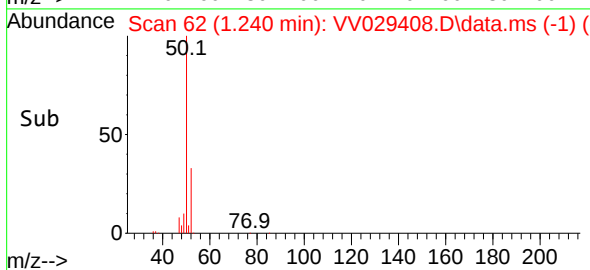
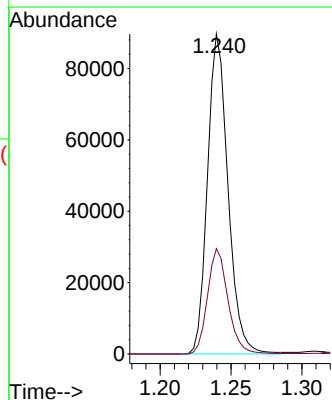
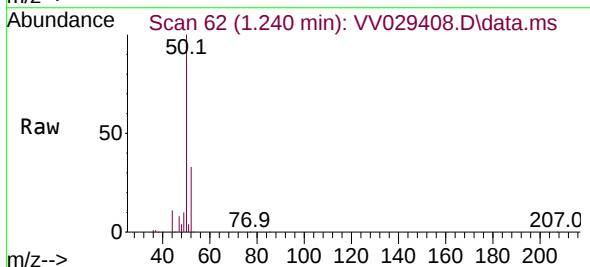
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005379

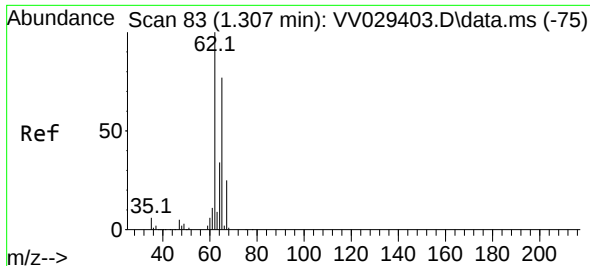
Tgt Ion: 85 Resp: 83715
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.4



#3
 Chloromethane
 Concen: 5.736 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

Tgt Ion: 50 Resp: 90121
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.2 43.2

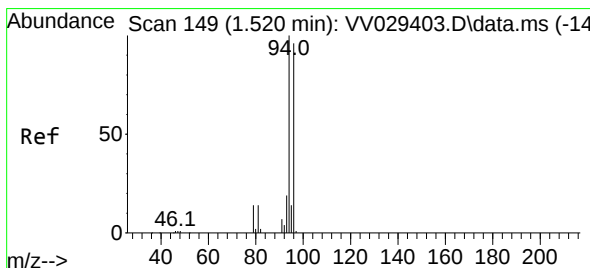
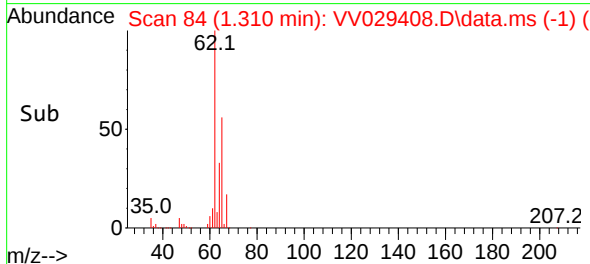
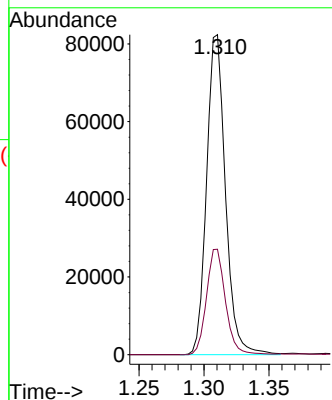
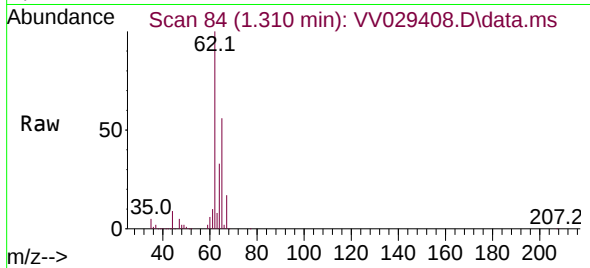




#5
 Vinyl chloride
 Concen: 5.321 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

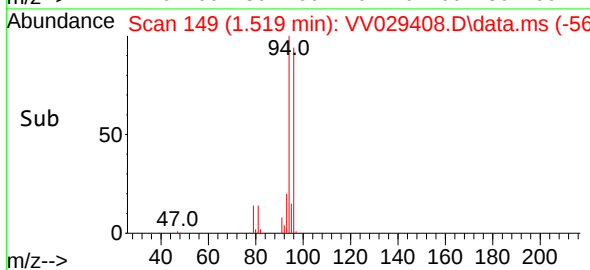
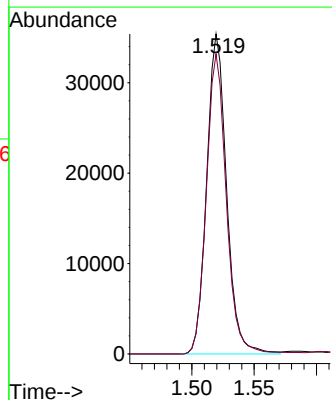
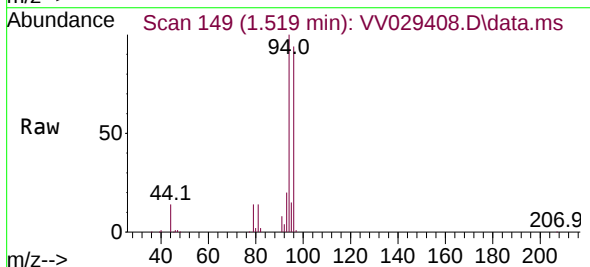
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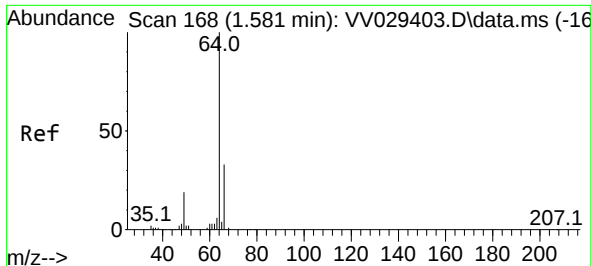
Tgt Ion: 62 Resp: 83303
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.4 43.4



#6
 Bromomethane
 Concen: 4.022 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

Tgt Ion: 94 Resp: 39286
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.4 121.4

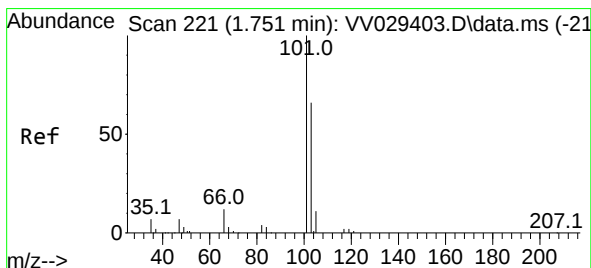
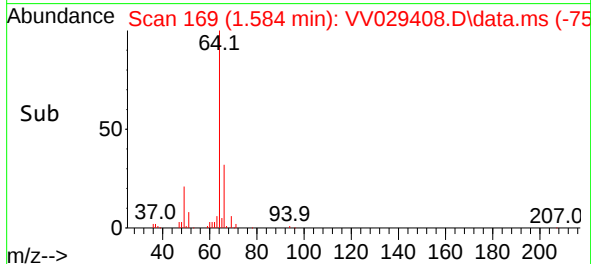
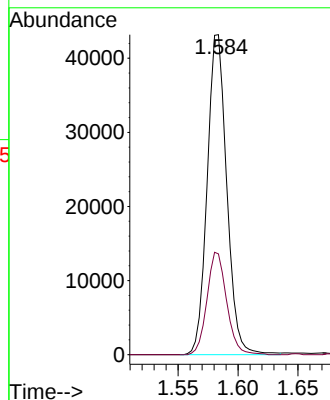
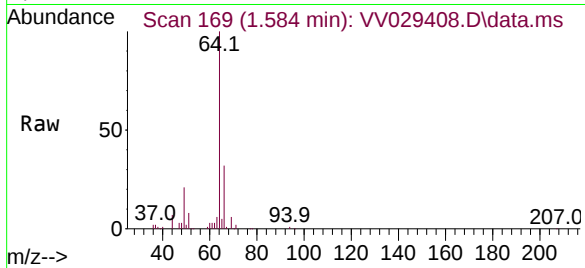




#8
Chloroethane
Concen: 5.278 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

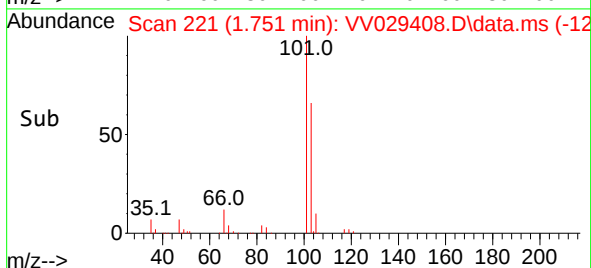
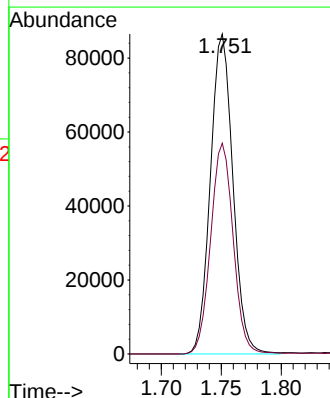
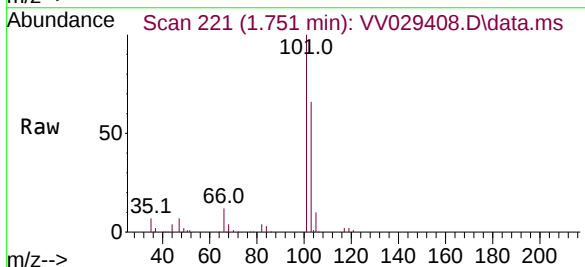
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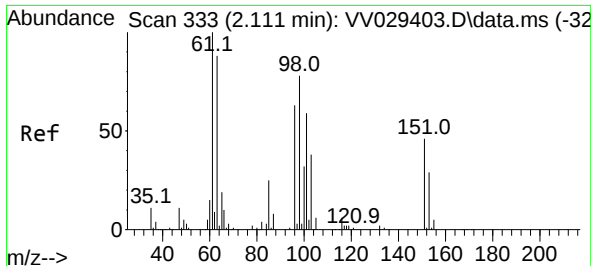
Tgt Ion: 64 Resp: 49111
Ion Ratio Lower Upper
64 100
66 31.5 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.149 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 101 Resp: 112839
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.8

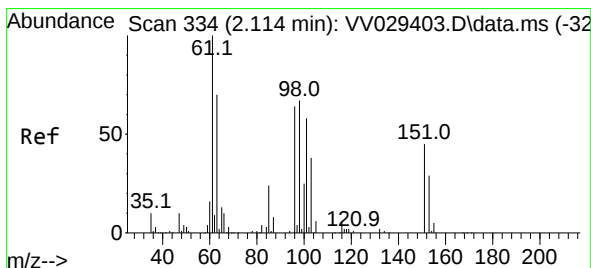
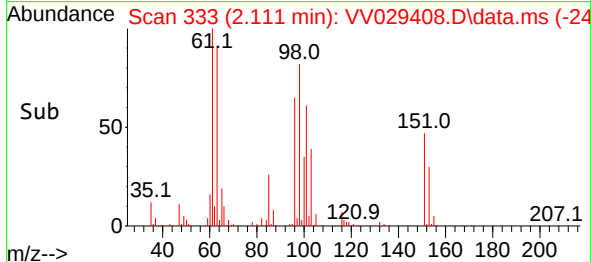
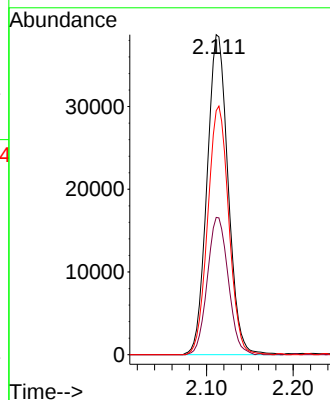
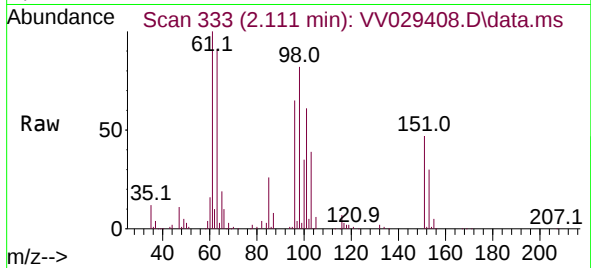




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.352 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

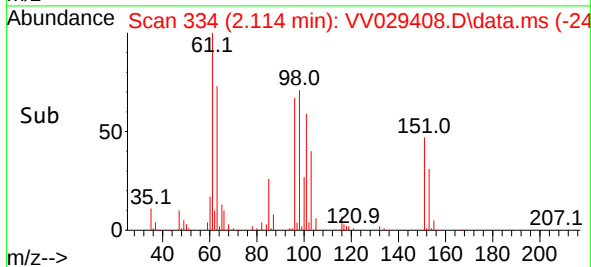
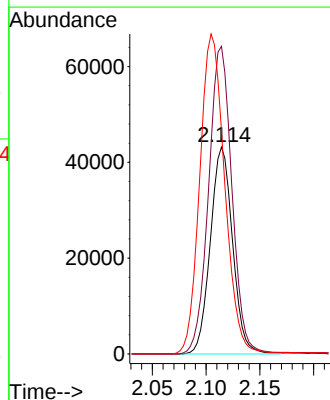
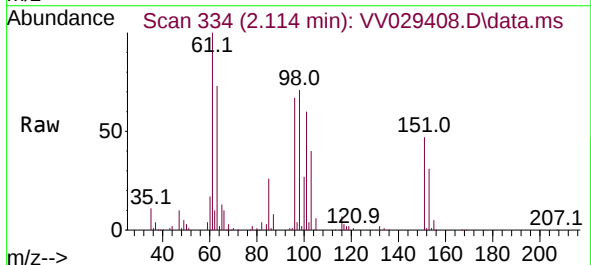
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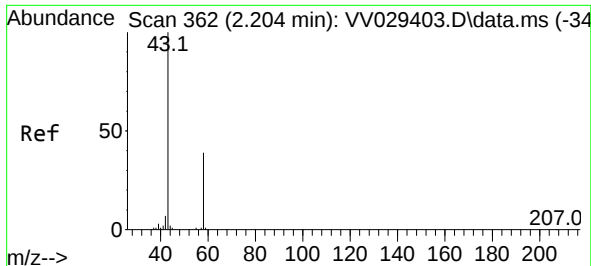
Tgt Ion:101 Resp: 65390
Ion Ratio Lower Upper
101 100
85 42.6 33.6 50.4
151 77.5 65.3 97.9



#12
1,1-Dichloroethene
Concen: 5.255 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 96 Resp: 62091
Ion Ratio Lower Upper
96 100
61 148.7 110.3 204.9
63 107.9 84.4 156.8





#13

Acetone

Concen: 37.440 ug/L

RT: 2.191 min Scan# 3

Delta R.T. -0.013 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

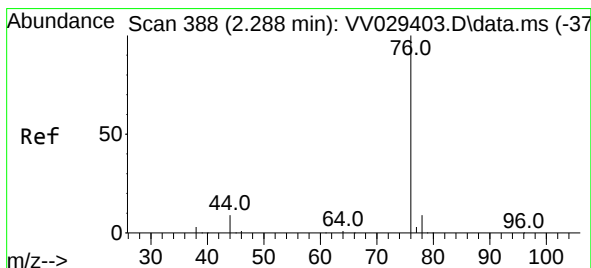
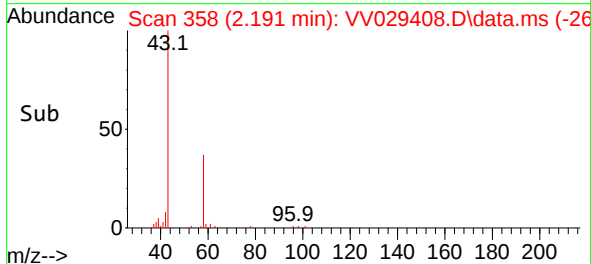
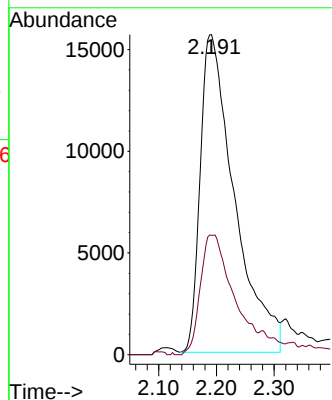
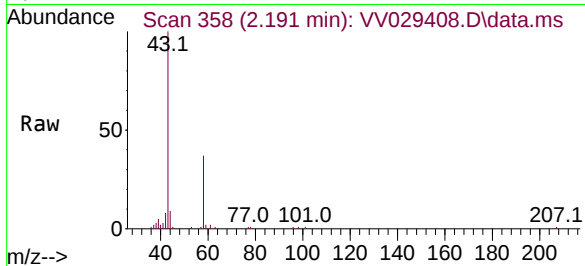
VSTD005379

Tgt Ion: 43 Resp: 64404

Ion Ratio Lower Upper

43 100

58 35.9 0.0 70.8



#14

Carbon disulfide

Concen: 5.178 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV029408.D

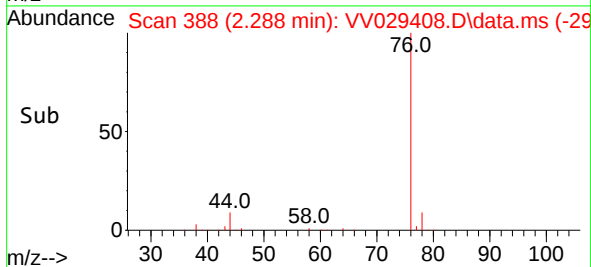
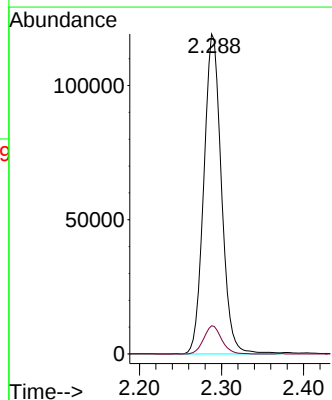
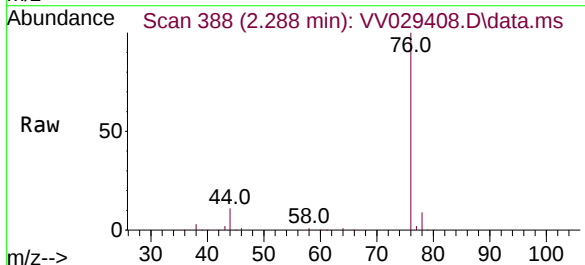
Acq: 06 Dec 2022 15:03

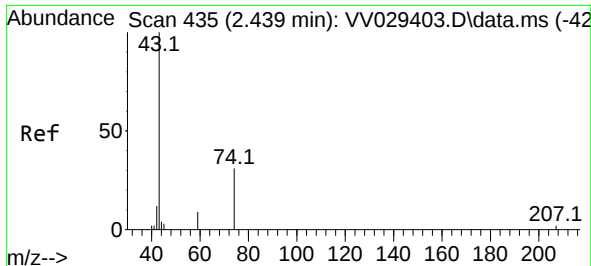
Tgt Ion: 76 Resp: 177776

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

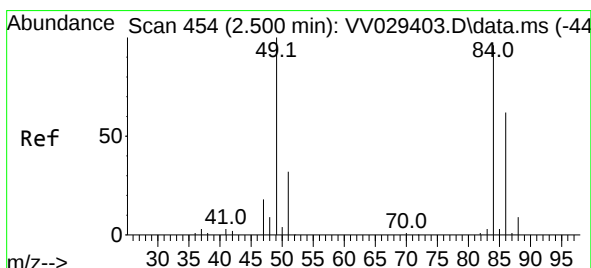
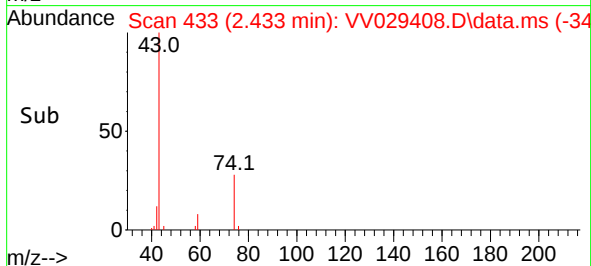
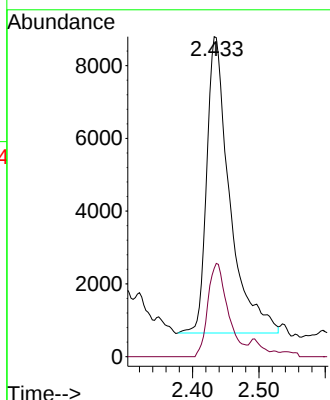
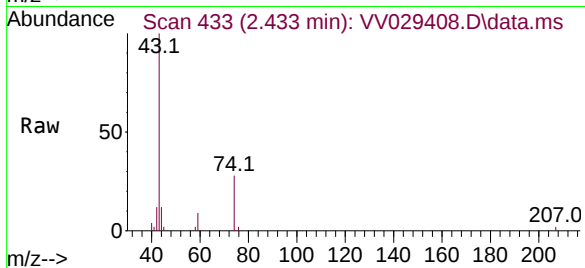




#15
Methyl Acetate
Concen: 3.977 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.007 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

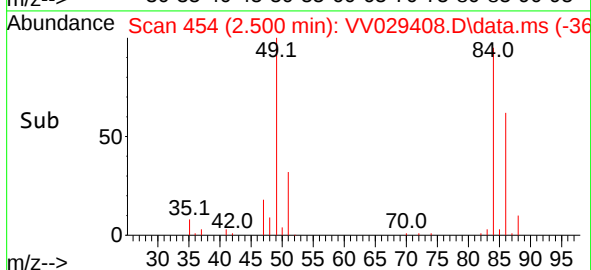
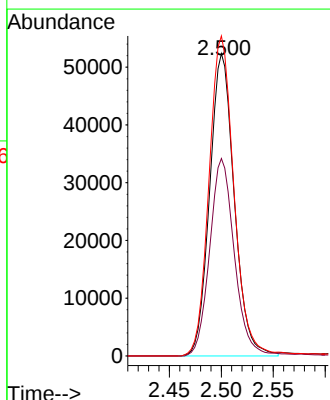
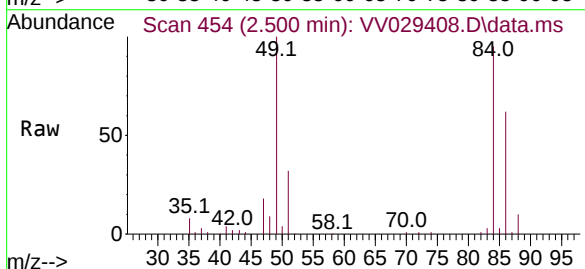
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

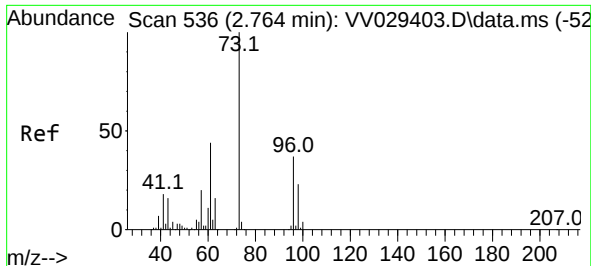
Tgt Ion: 43 Resp: 19663
Ion Ratio Lower Upper
43 100
74 27.7 19.6 29.4



#16
Methylene chloride
Concen: 4.771 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 84 Resp: 86132
Ion Ratio Lower Upper
84 100
86 65.3 45.6 84.6
49 105.8 77.8 144.4

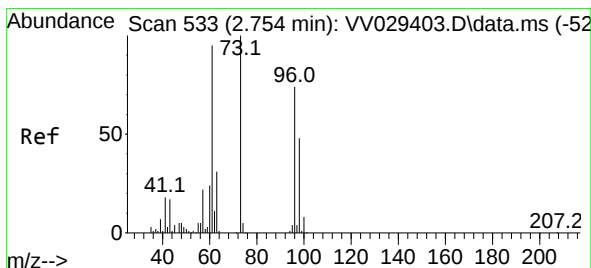
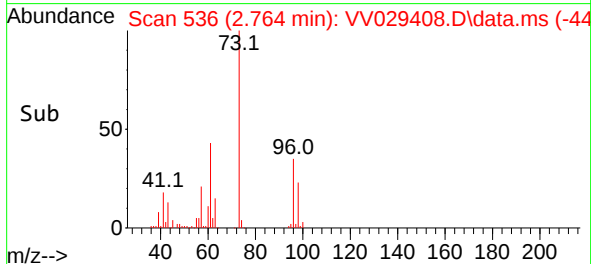
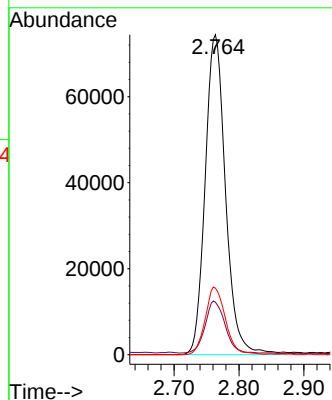
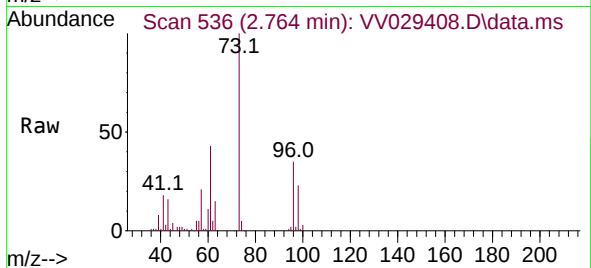




#17
Methyl tert-butyl Ether
Concen: 5.378 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

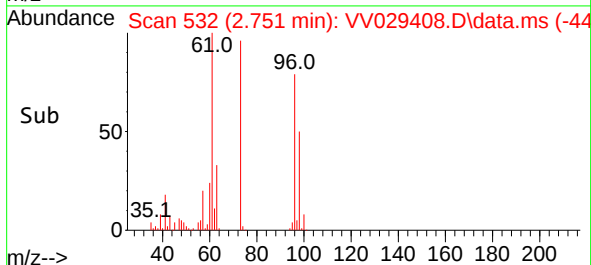
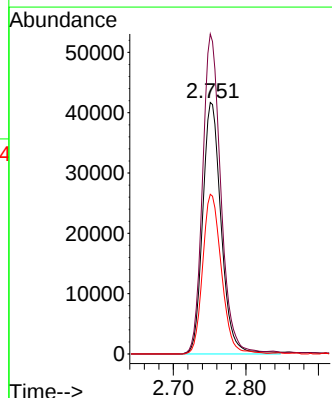
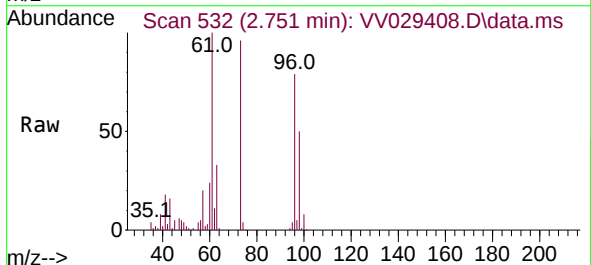
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

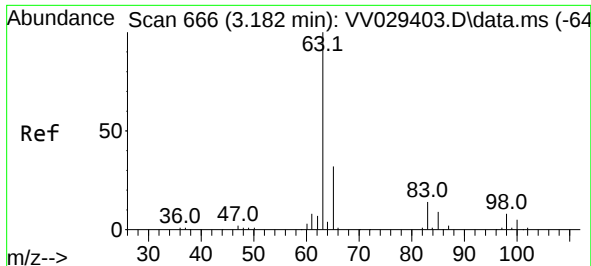
Tgt Ion: 73 Resp: 162488
Ion Ratio Lower Upper
73 100
43 15.8 13.2 19.8
57 20.9 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 5.449 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 96 Resp: 73895
Ion Ratio Lower Upper
96 100
61 127.2 93.0 172.6
98 63.5 44.0 81.8

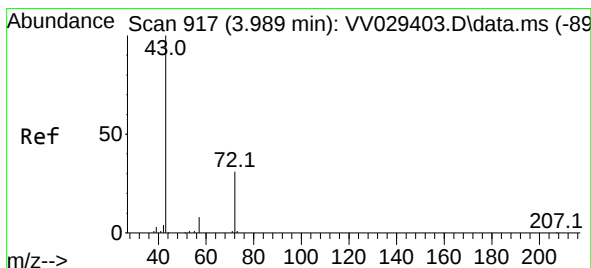
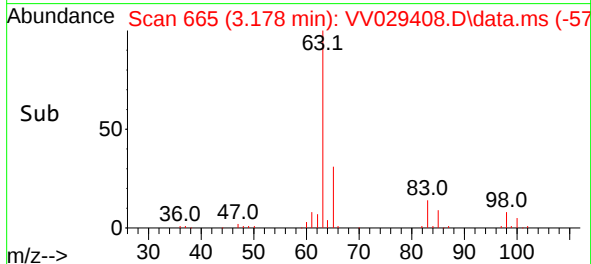
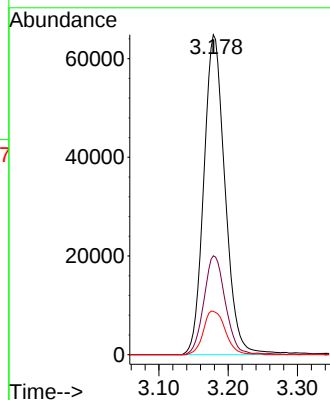
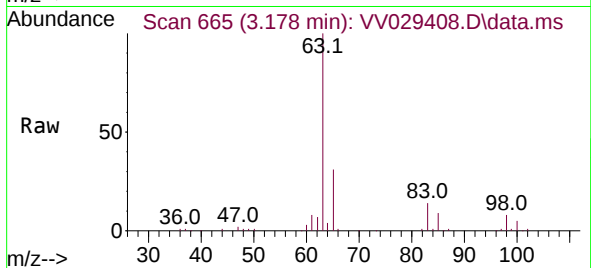




#19
1,1-Dichloroethane
Concen: 5.648 ug/L
RT: 3.178 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

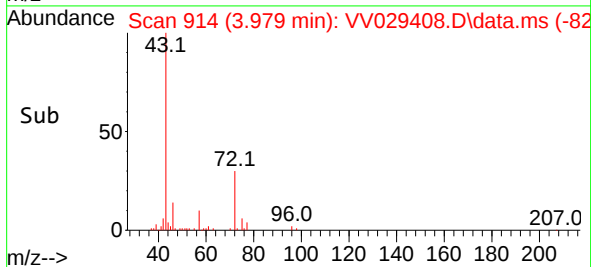
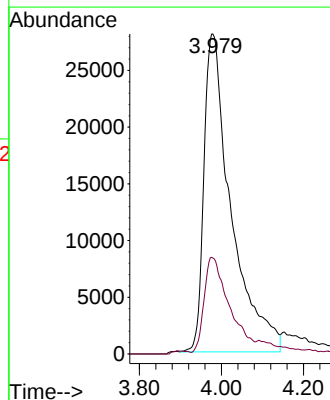
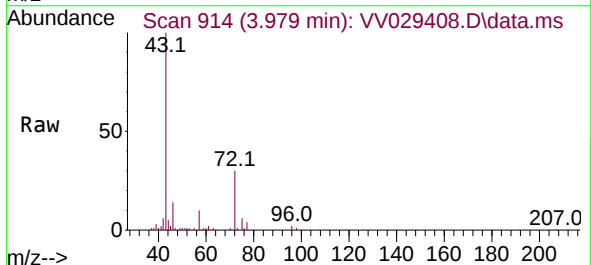
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

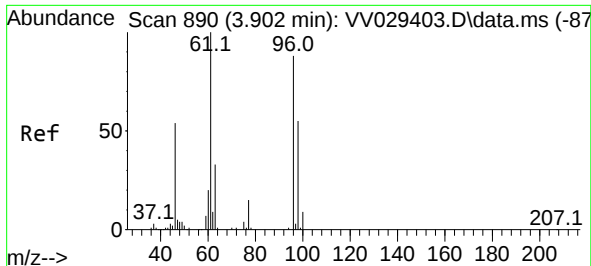
Tgt Ion: 63 Resp: 137867
Ion Ratio Lower Upper
63 100
65 30.9 21.6 40.2
83 13.6 10.3 19.1



#21
2-Butanone
Concen: 47.750 ug/L
RT: 3.979 min Scan# 914
Delta R.T. -0.010 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 43 Resp: 128586
Ion Ratio Lower Upper
43 100
72 27.7 13.8 41.3

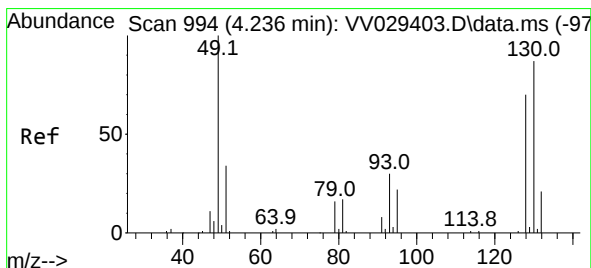
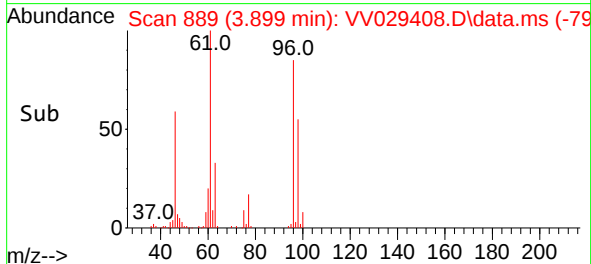
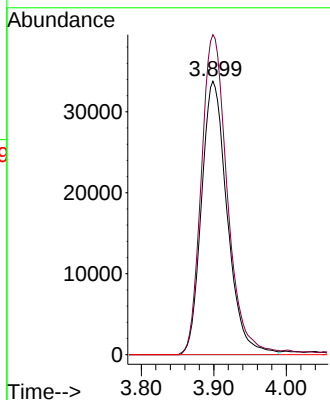
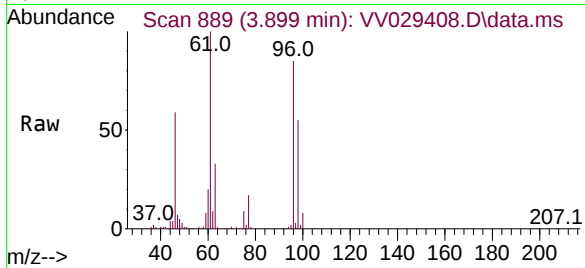




#22
cis-1,2-Dichloroethene
Concen: 5.370 ug/L
RT: 3.899 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

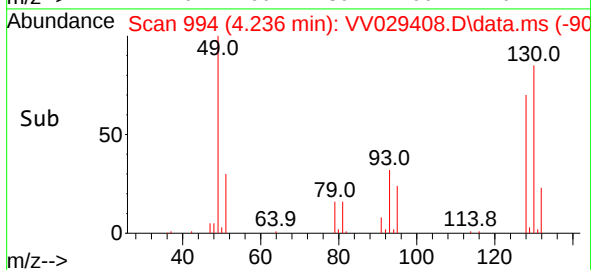
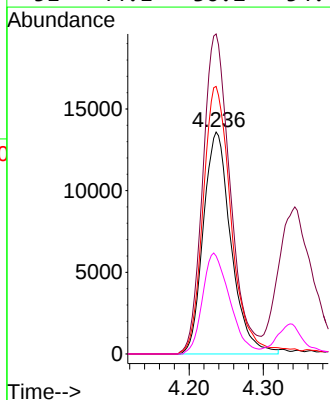
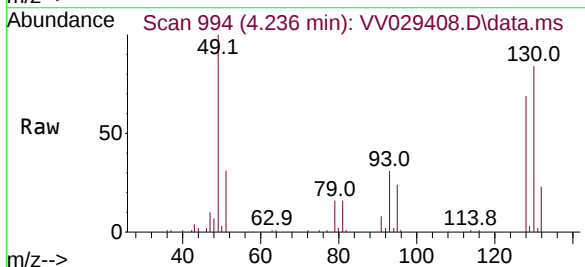
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

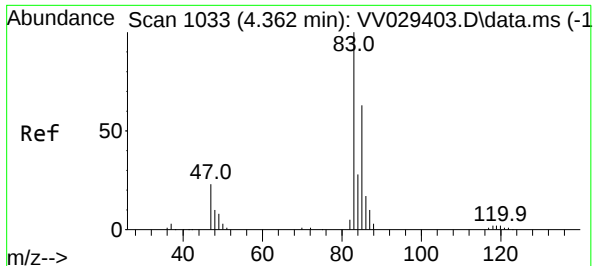
Tgt Ion: 96 Resp: 83293
Ion Ratio Lower Upper
96 100
61 117.1 85.8 159.3
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 5.655 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 128 Resp: 35137
Ion Ratio Lower Upper
128 100
49 144.2 100.0 185.8
130 120.6 90.2 167.6
51 44.1 36.2 54.4





#25

Chloroform

Concen: 5.505 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

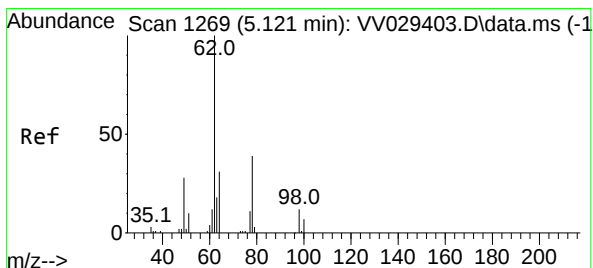
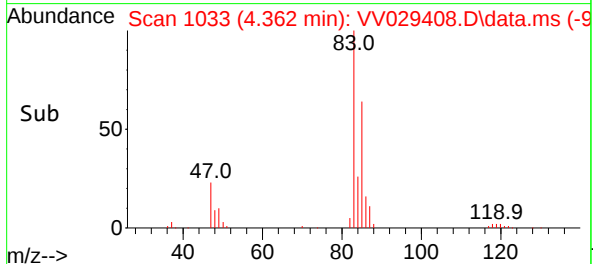
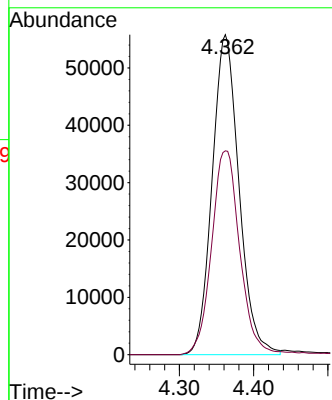
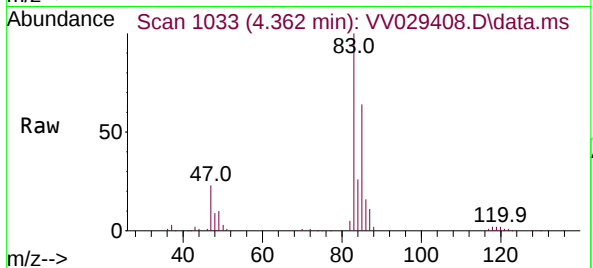
VSTD005379

Tgt Ion: 83 Resp: 140294

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.263 ug/L

RT: 5.120 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VV029408.D

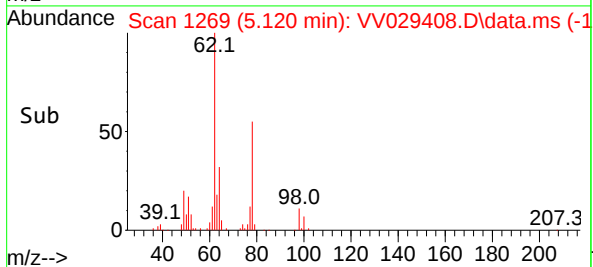
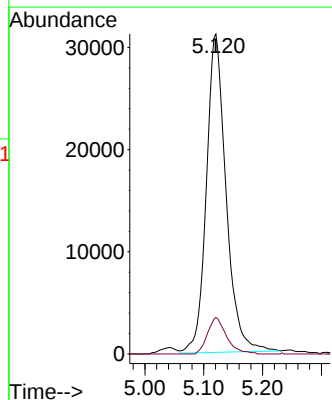
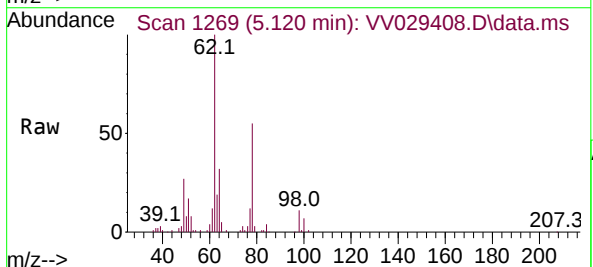
Acq: 06 Dec 2022 15:03

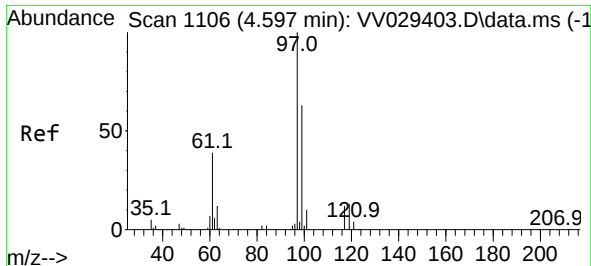
Tgt Ion: 62 Resp: 72664

Ion Ratio Lower Upper

62 100

98 11.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.155 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

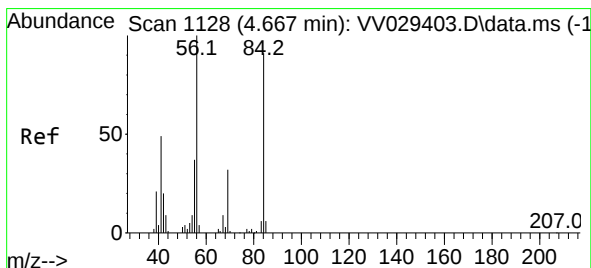
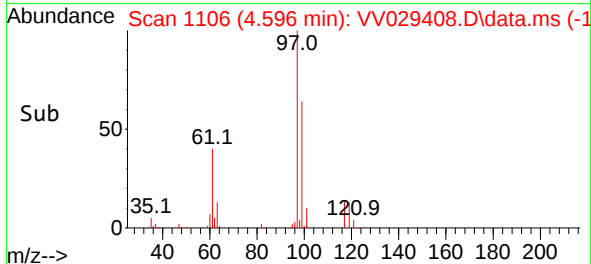
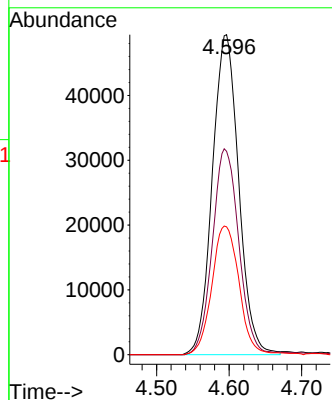
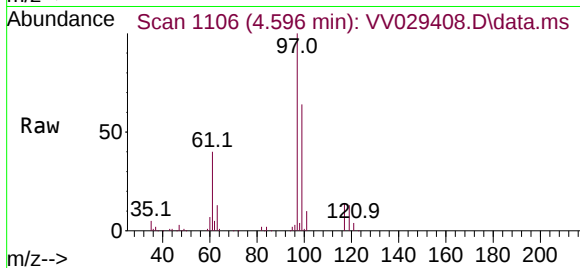
Tgt Ion: 97 Resp: 124593

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 41.6 33.3 49.9



#30

Cyclohexane

Concen: 4.732 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

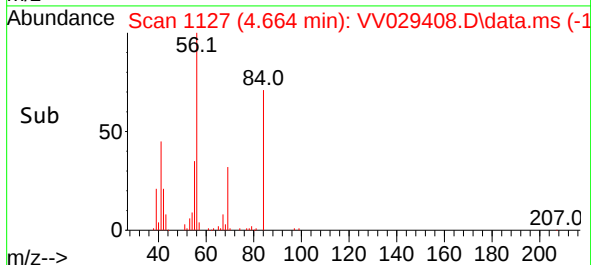
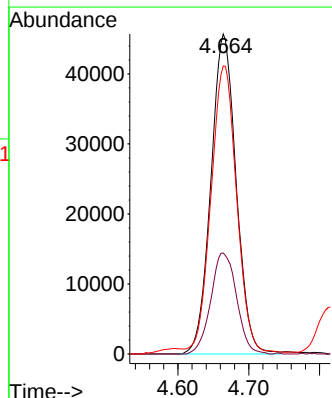
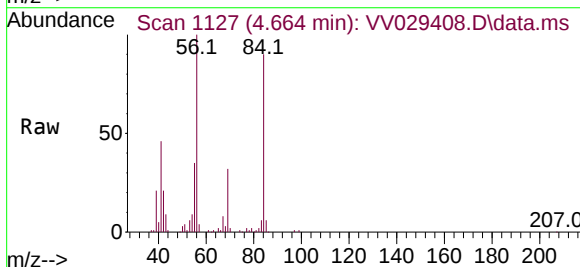
Tgt Ion: 56 Resp: 113044

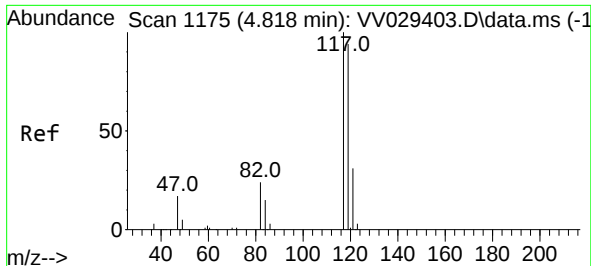
Ion Ratio Lower Upper

56 100

69 32.2 26.1 39.1

84 92.3 75.6 113.4

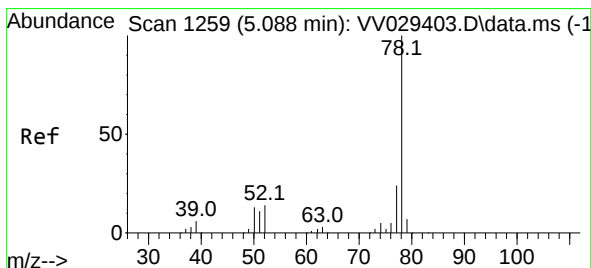
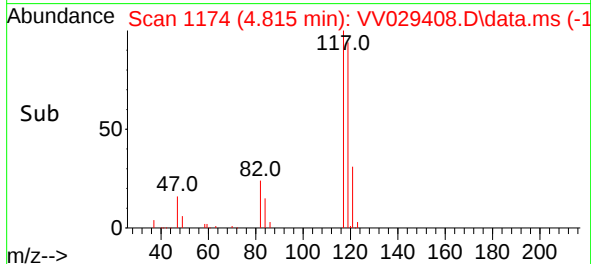
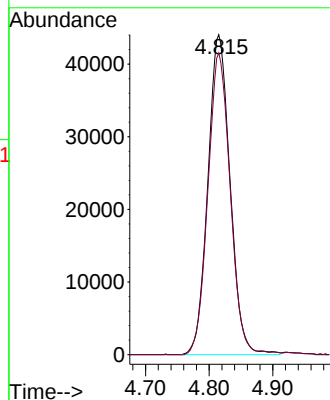
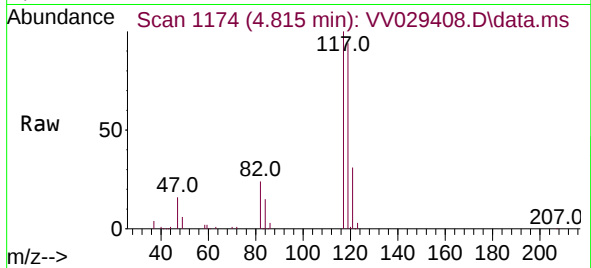




#31
Carbon tetrachloride
Concen: 5.229 ug/L
RT: 4.815 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

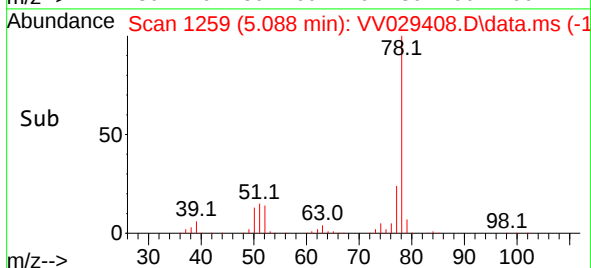
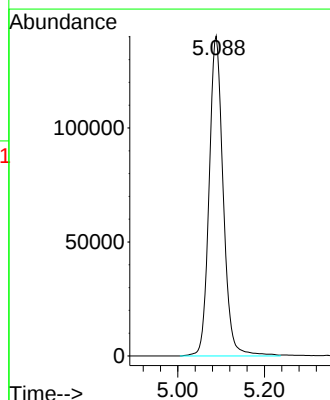
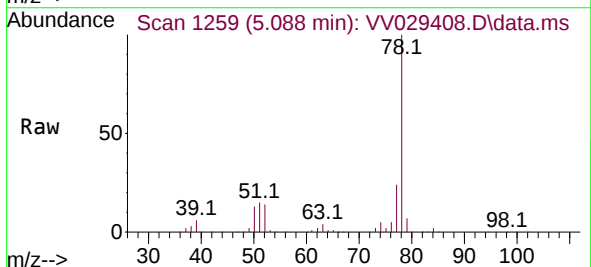
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

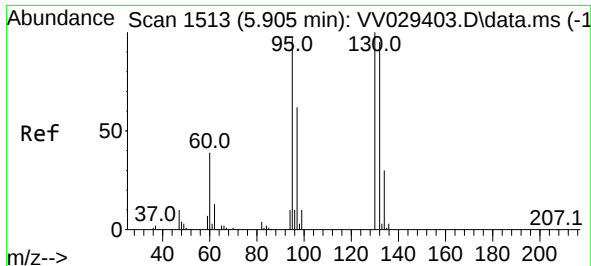
Tgt Ion:117 Resp: 106875
Ion Ratio Lower Upper
117 100
119 94.0 75.7 113.5



#33
Benzene
Concen: 5.044 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 78 Resp: 316973

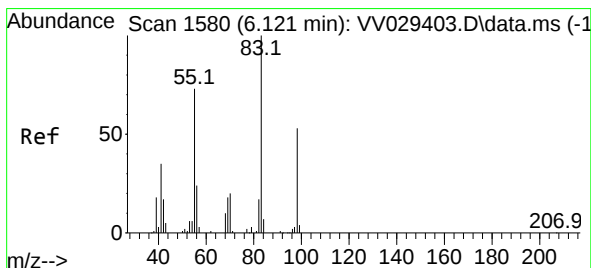
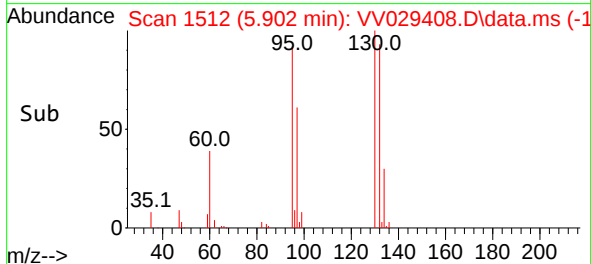
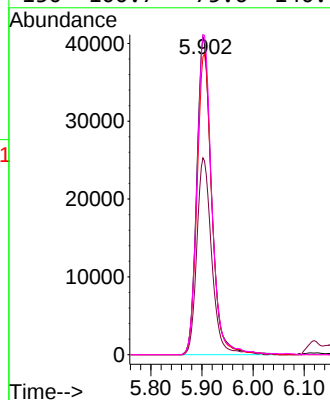
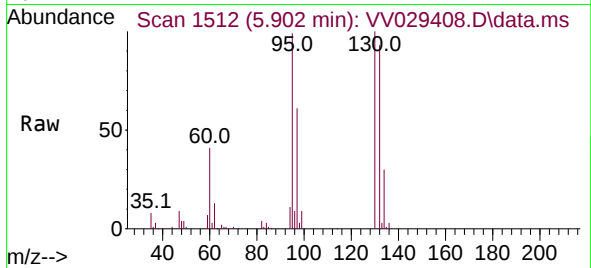




#34
Trichloroethene
Concen: 5.142 ug/L
RT: 5.902 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

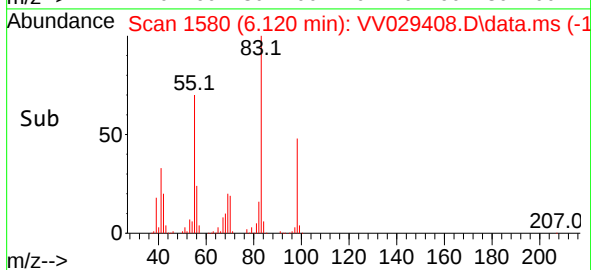
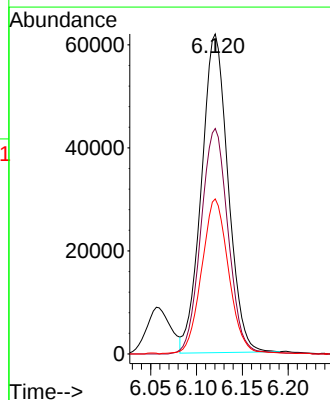
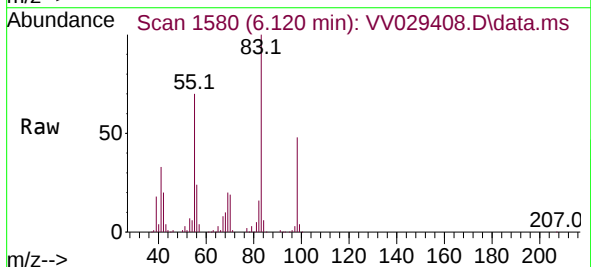
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

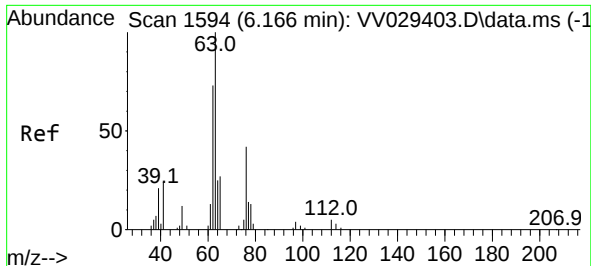
Tgt Ion:	95	Resp:	82439
Ion	Ratio	Lower	Upper
95	100		
97	61.9	45.4	84.4
132	93.7	73.3	136.1
130	100.7	75.6	140.4



#35
Methylcyclohexane
Concen: 4.613 ug/L
RT: 6.120 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion:	83	Resp:	124829
Ion	Ratio	Lower	Upper
83	100		
55	72.5	55.4	83.2
98	49.7	39.4	59.2





#37

1,2-Dichloropropane

Concen: 5.185 ug/L

RT: 6.162 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

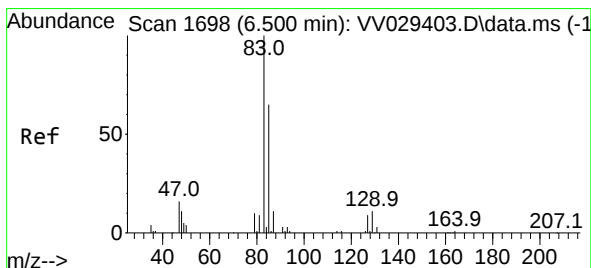
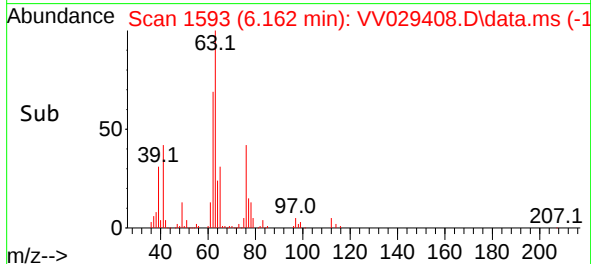
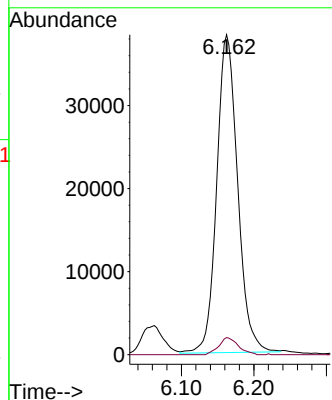
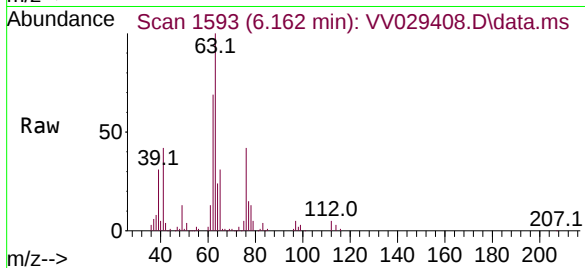
VSTD005379

Tgt Ion: 63 Resp: 76757

Ion Ratio Lower Upper

63 100

112 5.0 4.1 6.1



#38

Bromodichloromethane

Concen: 5.740 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

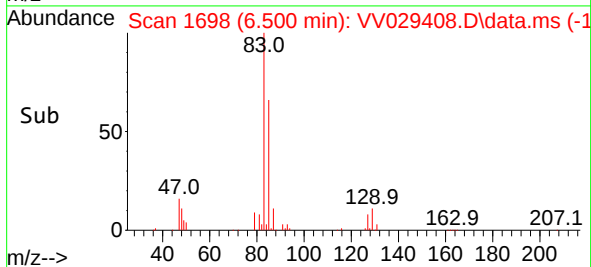
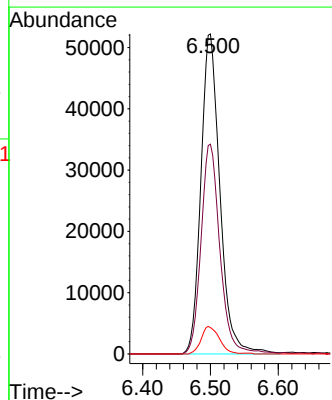
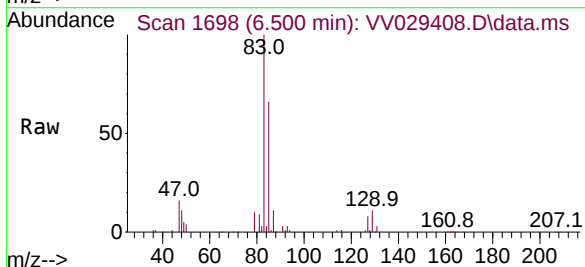
Tgt Ion: 83 Resp: 101729

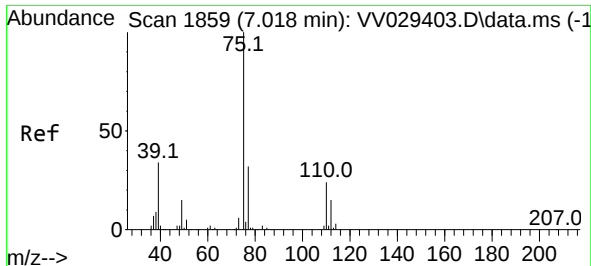
Ion Ratio Lower Upper

83 100

85 65.6 44.7 83.1

127 8.2 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.169 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

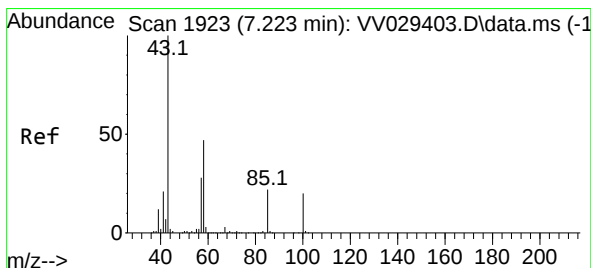
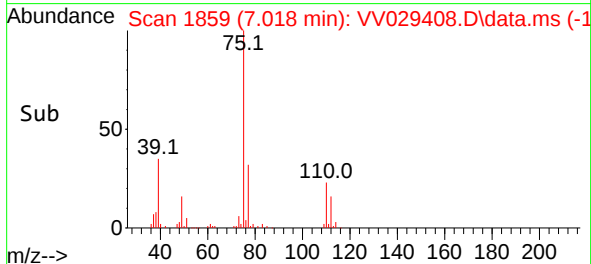
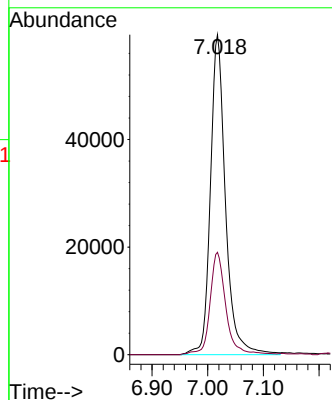
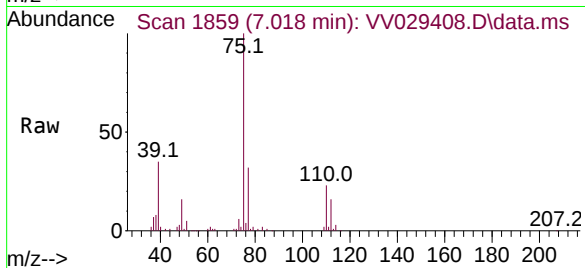
VSTD005379

Tgt Ion: 75 Resp: 111856

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 50.918 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

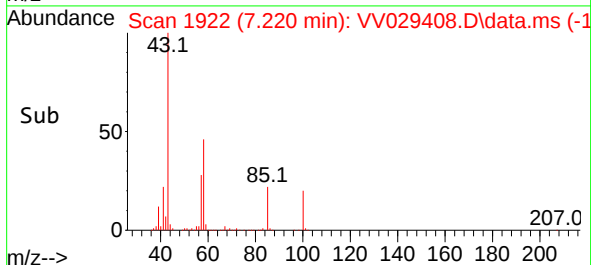
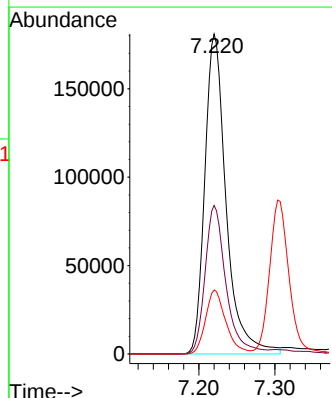
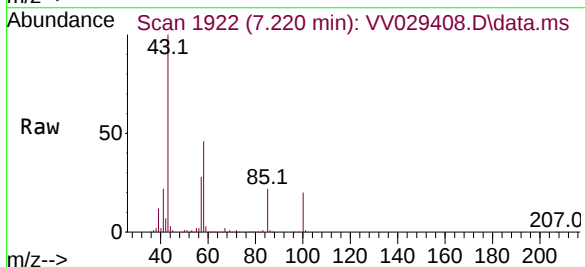
Tgt Ion: 43 Resp: 352717

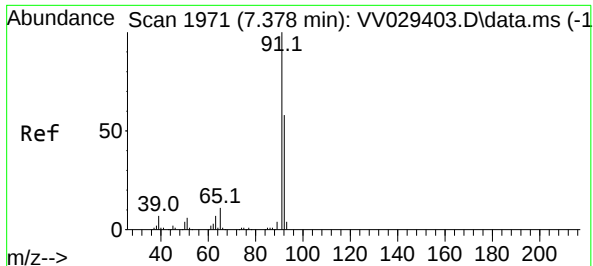
Ion Ratio Lower Upper

43 100

58 45.5 35.3 52.9

100 19.0 15.3 22.9





#42

Toluene

Concen: 5.104 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

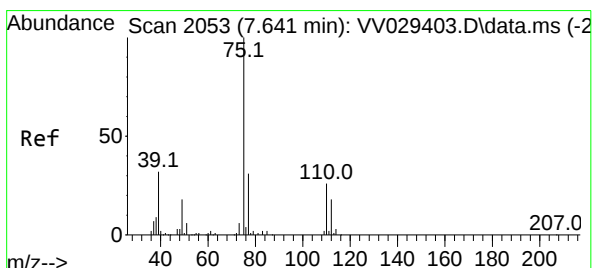
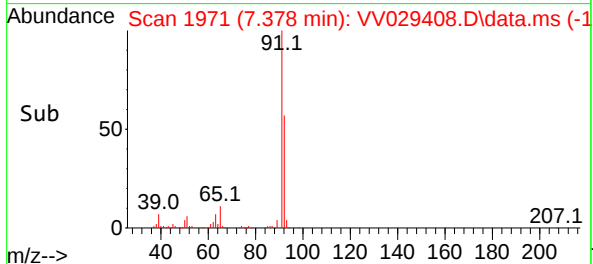
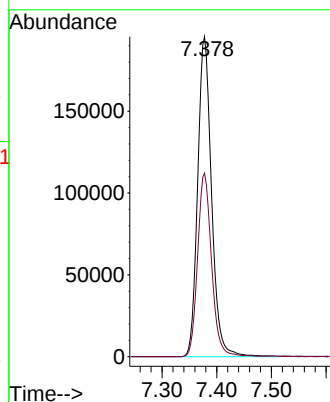
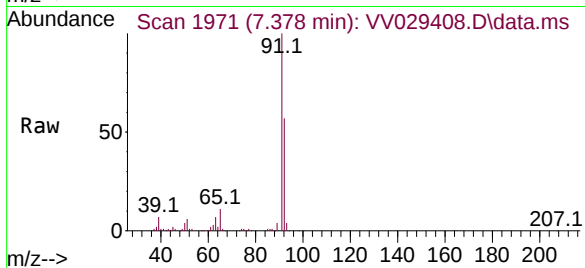
VSTD005379

Tgt Ion: 91 Resp: 344271

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.324 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029408.D

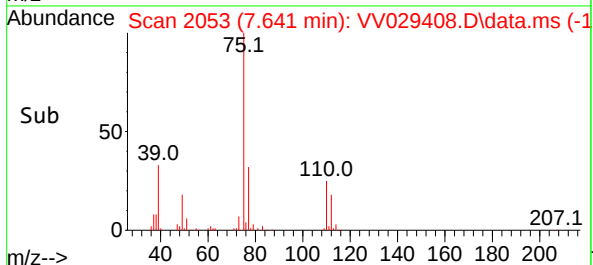
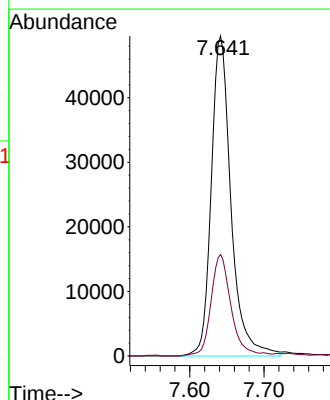
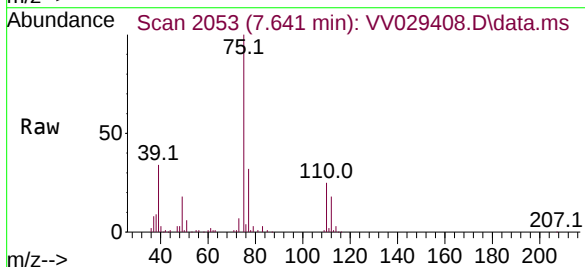
Acq: 06 Dec 2022 15:03

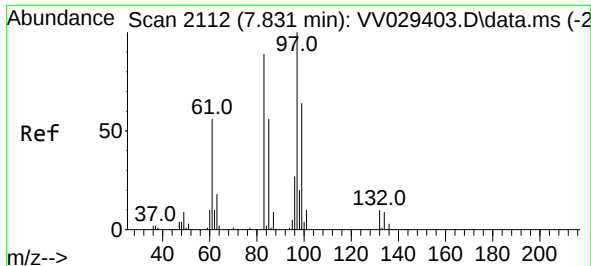
Tgt Ion: 75 Resp: 91269

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.507 ug/L

RT: 7.828 min Scan# 2111

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

Tgt Ion: 97 Resp: 55190

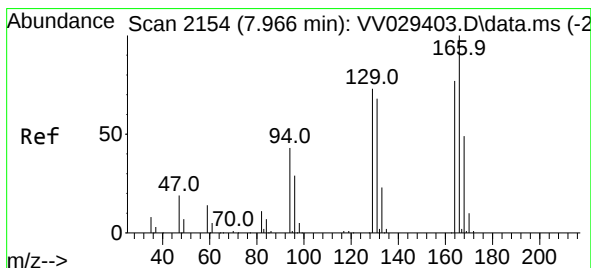
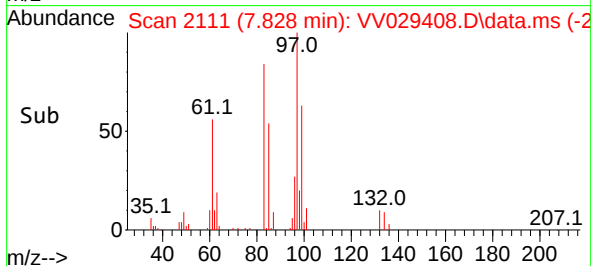
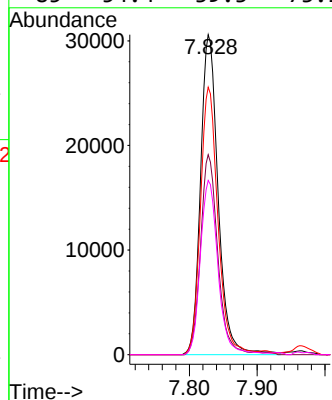
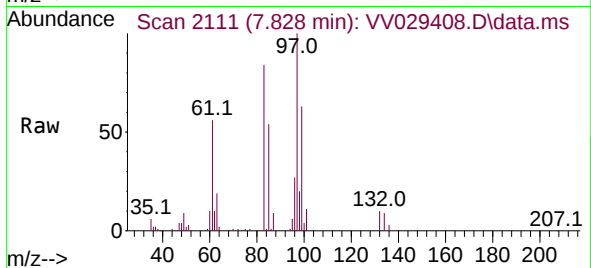
Ion Ratio Lower Upper

97 100

99 62.5 44.4 82.5

83 83.6 59.5 110.5

85 54.4 39.3 73.1



#47

Tetrachloroethene

Concen: 4.830 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Tgt Ion: 164 Resp: 63479

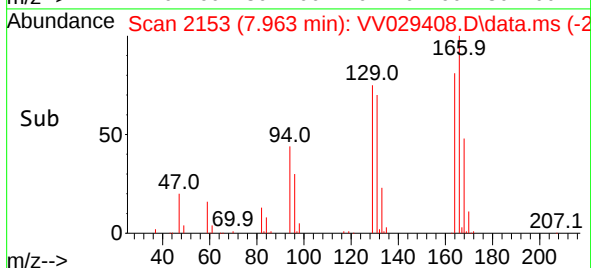
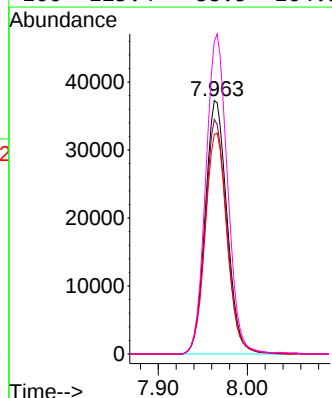
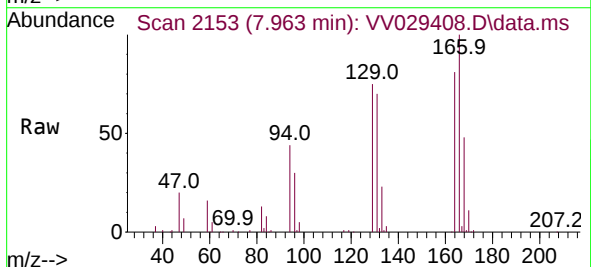
Ion Ratio Lower Upper

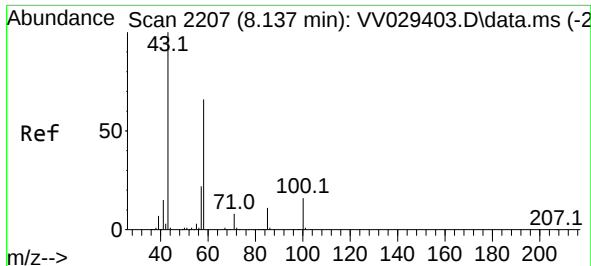
164 100

129 92.6 61.7 114.7

131 86.6 62.9 116.9

166 123.4 88.5 164.3

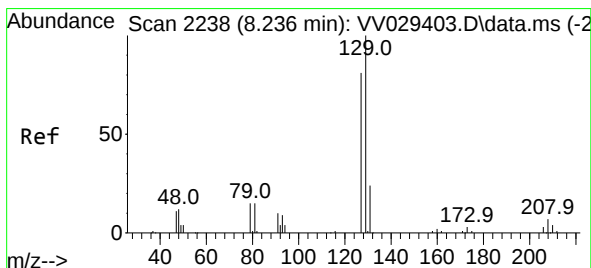
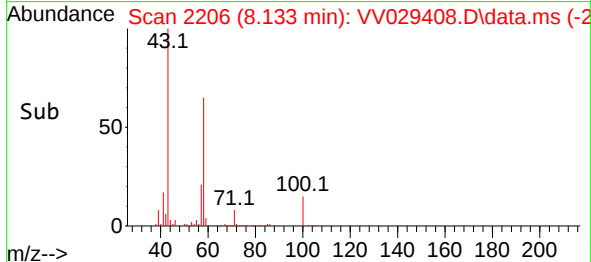
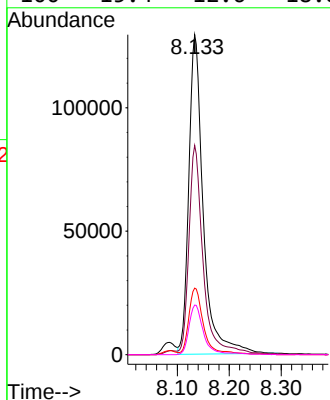
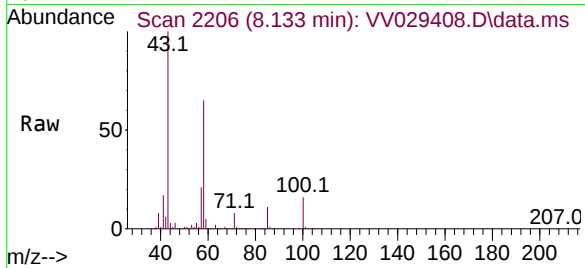




#48
2-Hexanone
Concen: 51.864 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

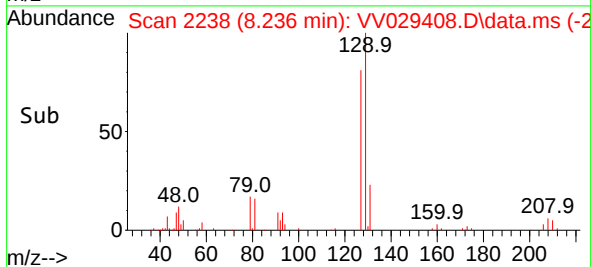
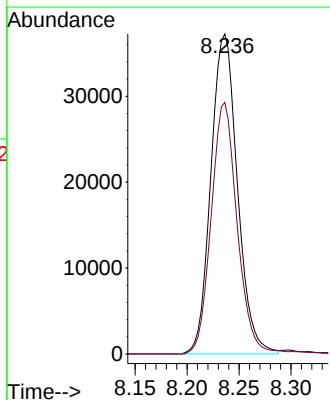
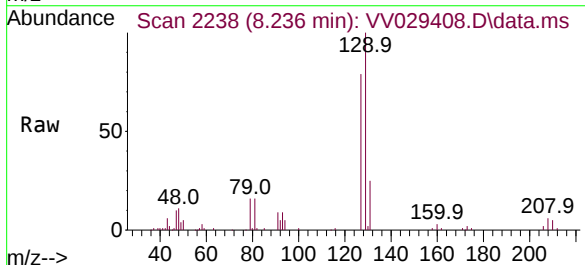
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

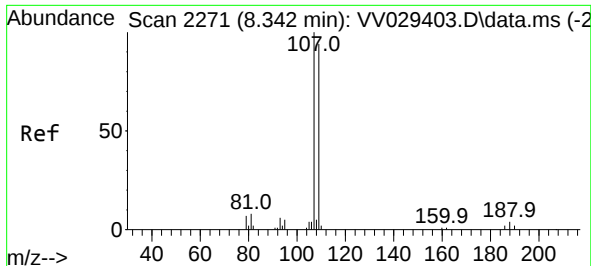
Tgt Ion: 43 Resp: 250459
Ion Ratio Lower Upper
43 100
58 63.9 49.4 74.0
57 20.8 16.9 25.3
100 15.4 12.6 18.8



#49
Dibromochloromethane
Concen: 5.874 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 129 Resp: 66226
Ion Ratio Lower Upper
129 100
127 78.6 53.1 98.7





#50

1,2-Dibromoethane

Concen: 5.465 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

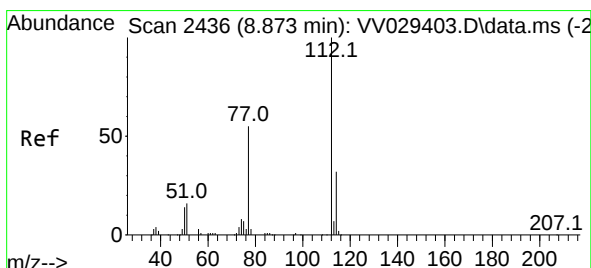
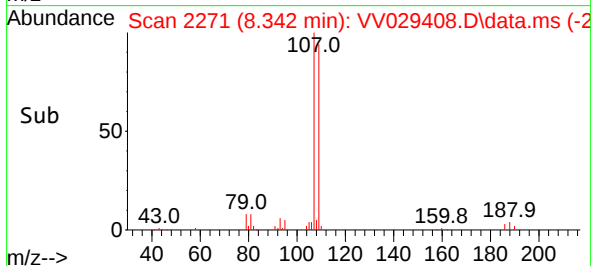
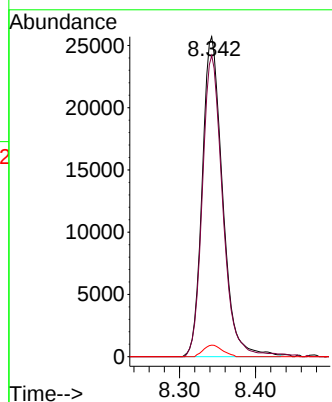
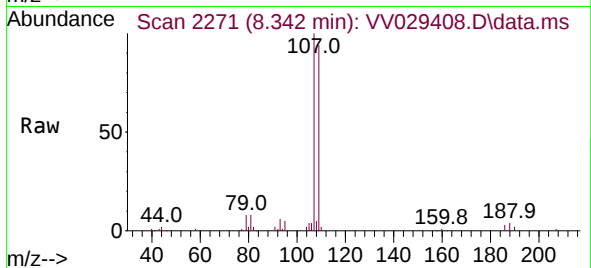
Tgt Ion:107 Resp: 47792

Ion Ratio Lower Upper

107 100

109 94.1 64.0 118.8

188 3.6 3.0 4.4



#51

Chlorobenzene

Concen: 5.196 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

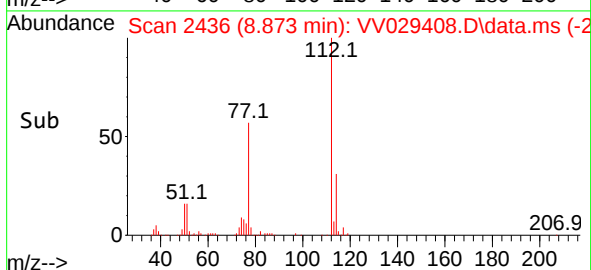
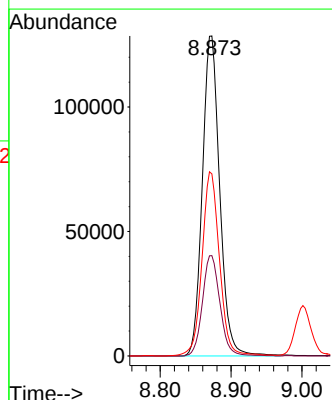
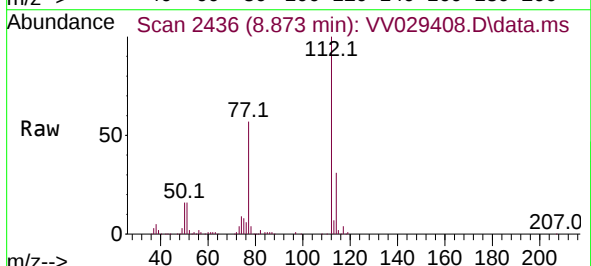
Tgt Ion:112 Resp: 219041

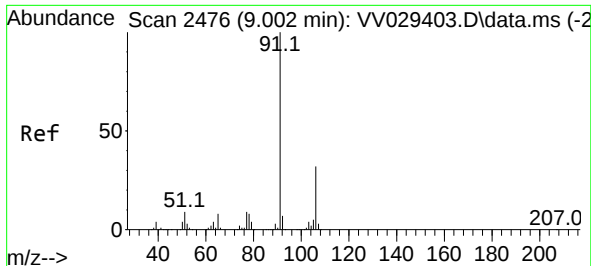
Ion Ratio Lower Upper

112 100

114 31.3 22.9 42.5

77 56.9 45.3 67.9

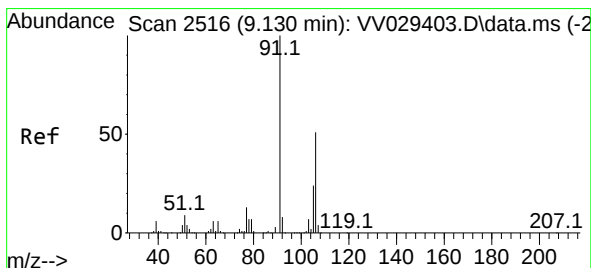
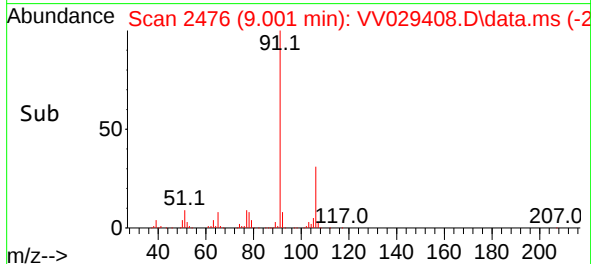
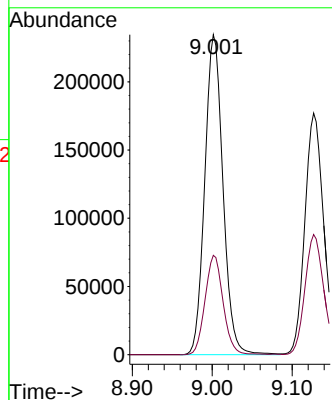
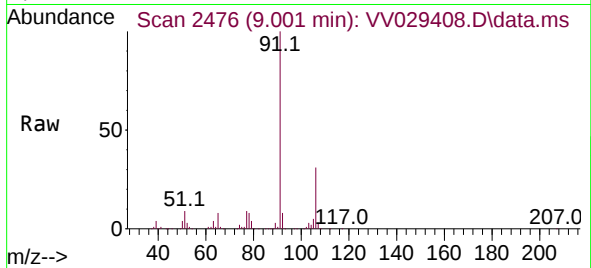




#52
Ethylbenzene
Concen: 5.287 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

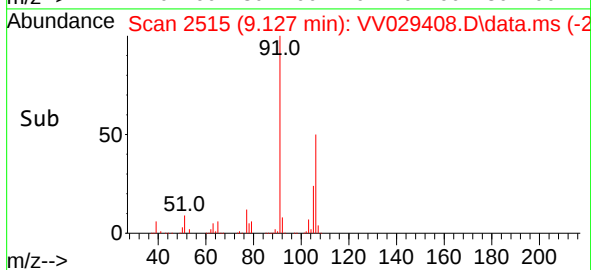
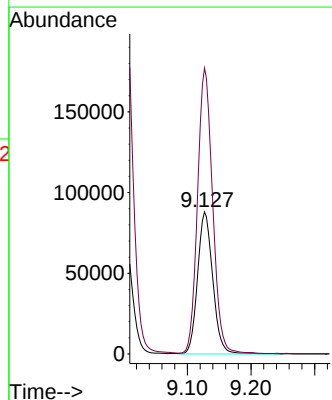
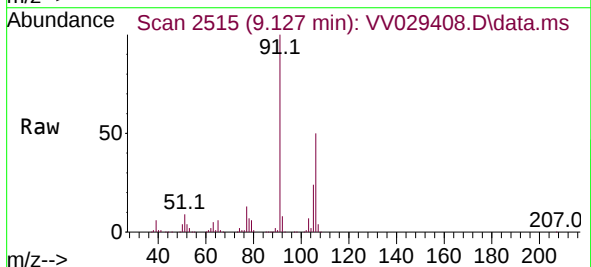
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

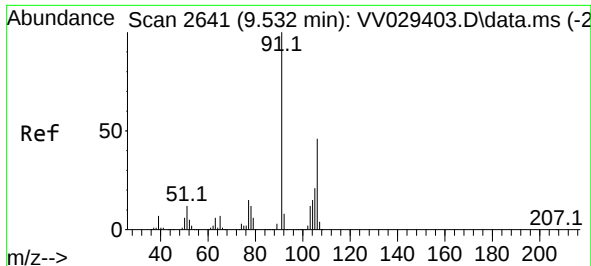
Tgt Ion: 91 Resp: 371776
Ion Ratio Lower Upper
91 100
106 31.0 21.9 40.7



#53
m,p-Xylene
Concen: 5.256 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 106 Resp: 145777
Ion Ratio Lower Upper
106 100
91 201.2 140.6 261.2

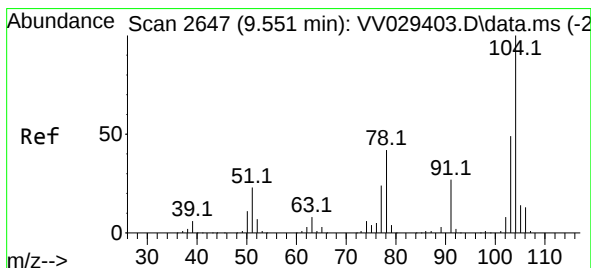
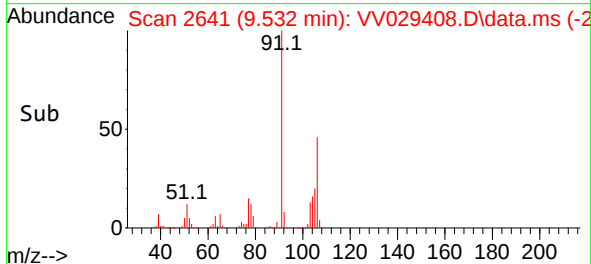
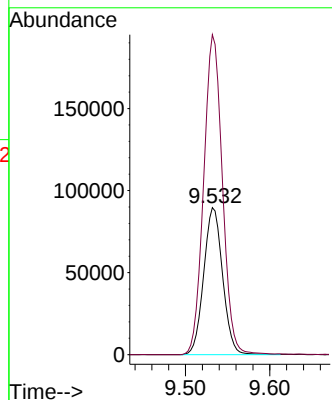
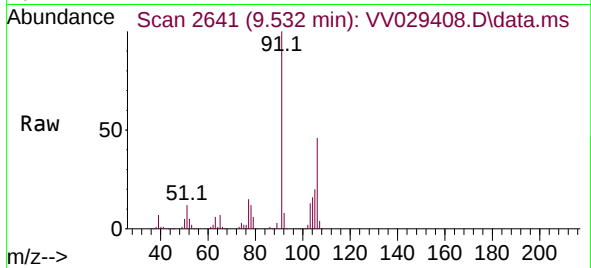




#54
o-Xylene
Concen: 5.144 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

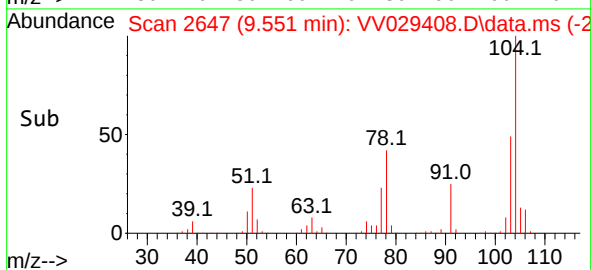
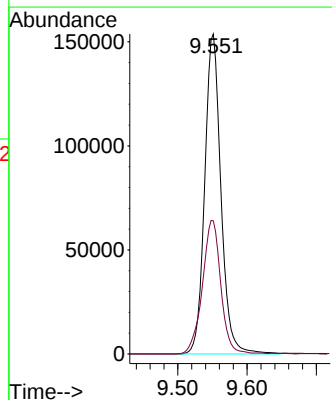
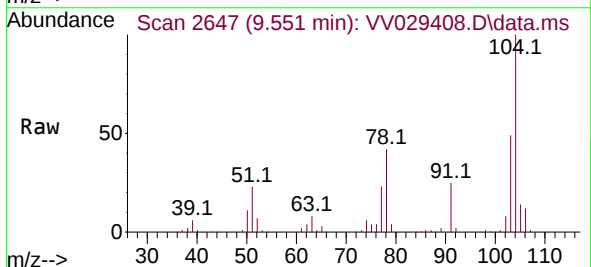
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

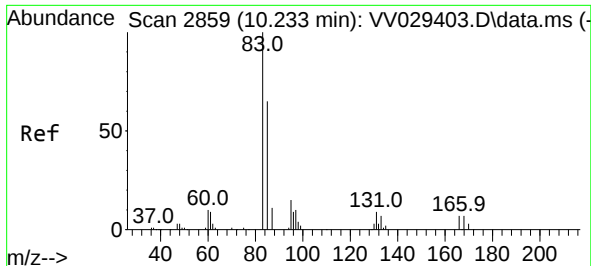
Tgt Ion:106 Resp: 140140
Ion Ratio Lower Upper
106 100
91 217.7 146.9 272.9



#55
Styrene
Concen: 5.439 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion:104 Resp: 250148
Ion Ratio Lower Upper
104 100
78 41.6 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 6.163 ug/L

RT: 10.230 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

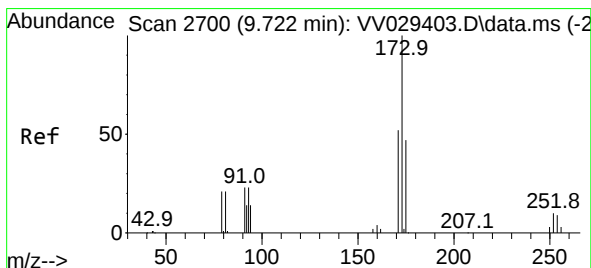
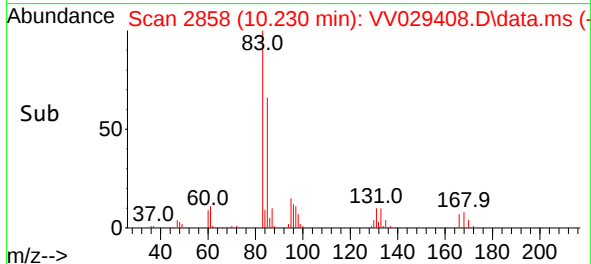
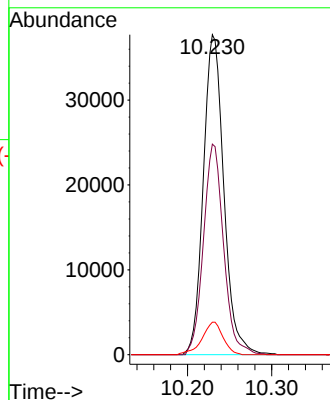
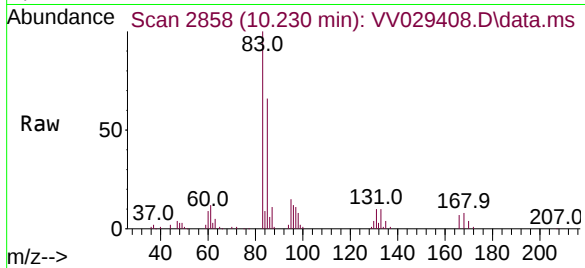
Tgt Ion: 83 Resp: 63916

Ion Ratio Lower Upper

83 100

85 65.8 45.5 84.5

131 10.1 8.2 12.2



#59

Bromoform

Concen: 6.225 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

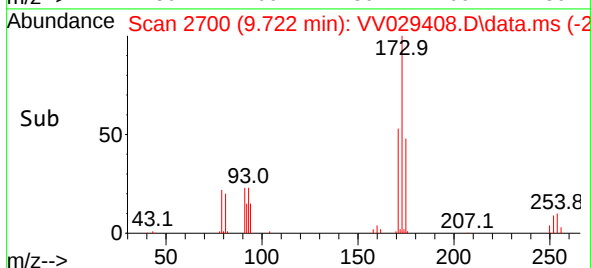
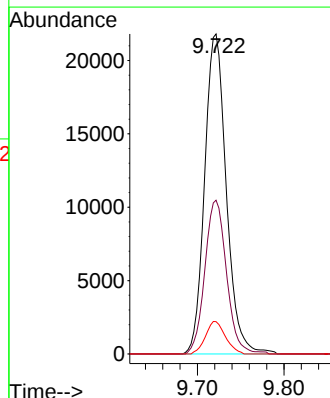
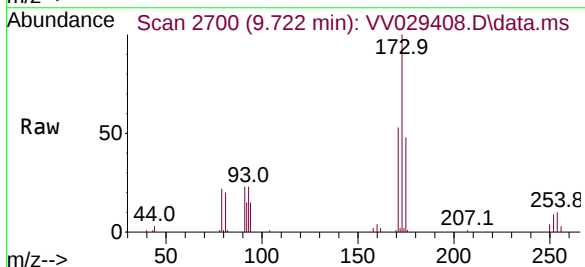
Tgt Ion: 173 Resp: 37920

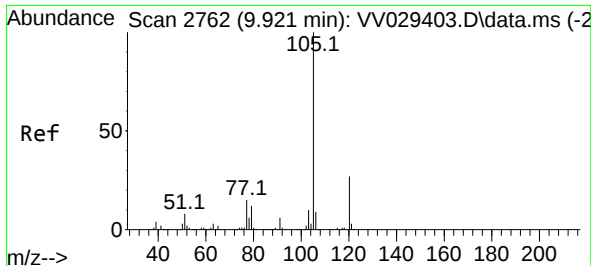
Ion Ratio Lower Upper

173 100

175 48.1 38.6 58.0

254 9.3 8.3 12.5

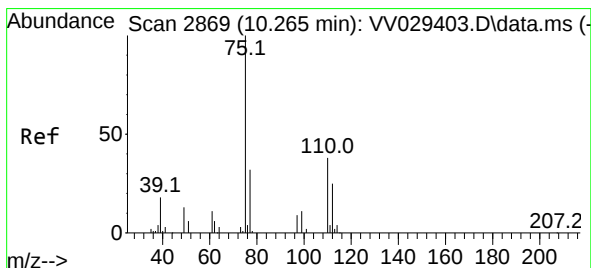
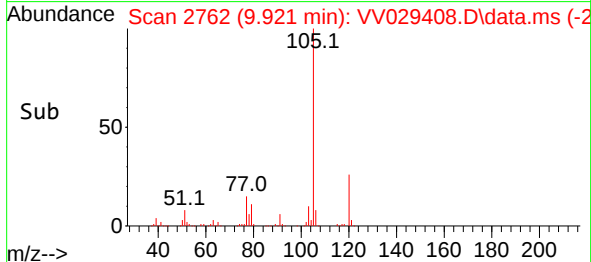
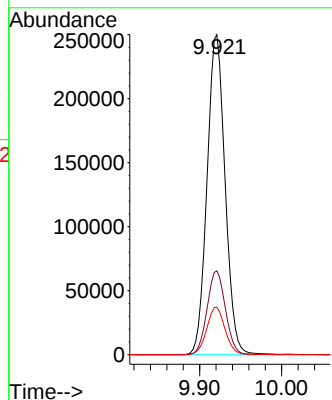
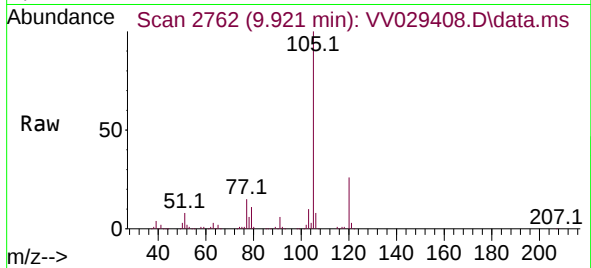




#60
Isopropylbenzene
Concen: 5.098 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

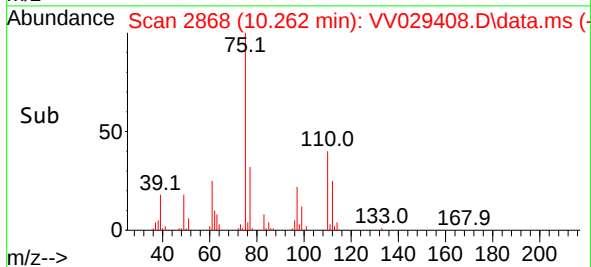
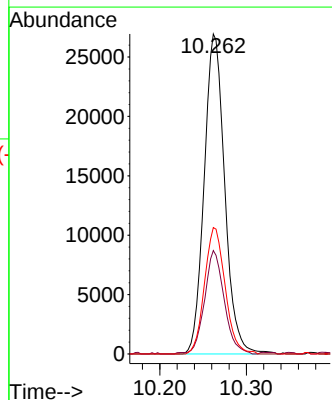
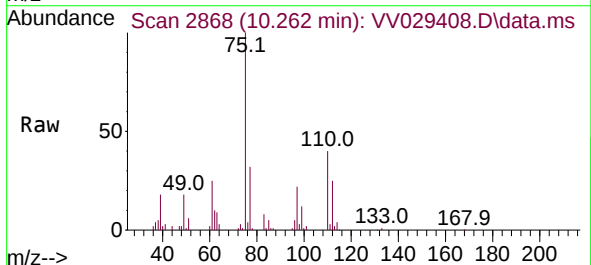
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

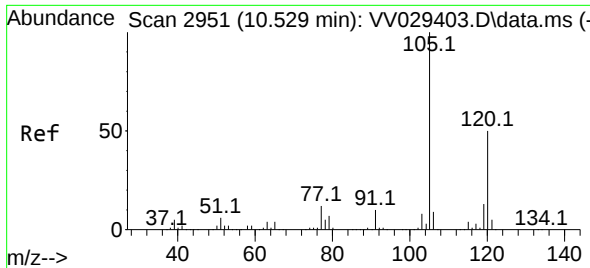
Tgt Ion:105 Resp: 382182
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.525 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 75 Resp: 44429
Ion Ratio Lower Upper
75 100
77 30.9 26.7 40.1
110 39.6 32.2 48.4

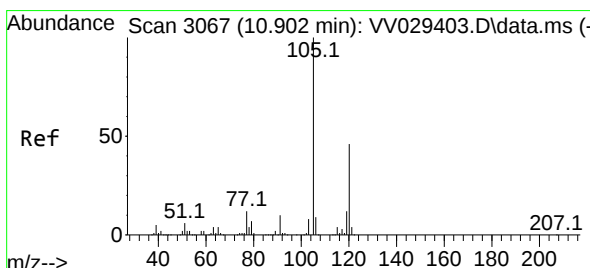
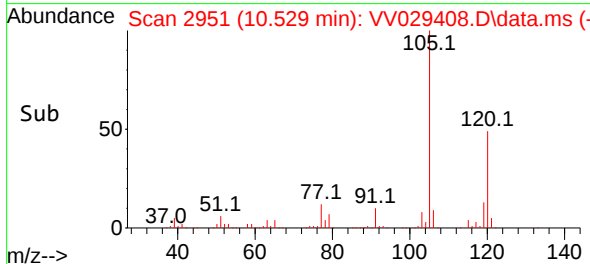
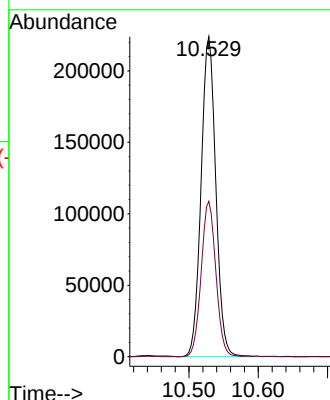
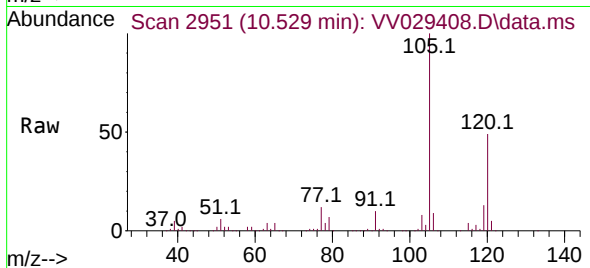




#62
1,3,5-Trimethylbenzene
Concen: 5.092 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

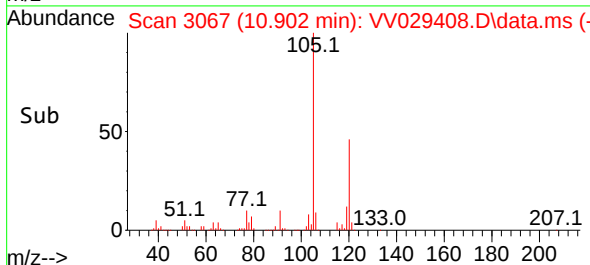
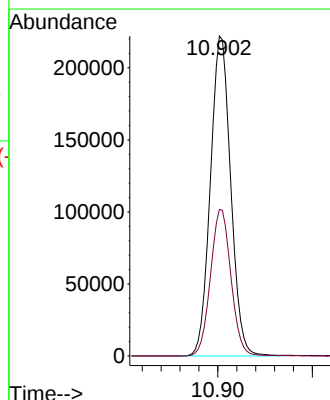
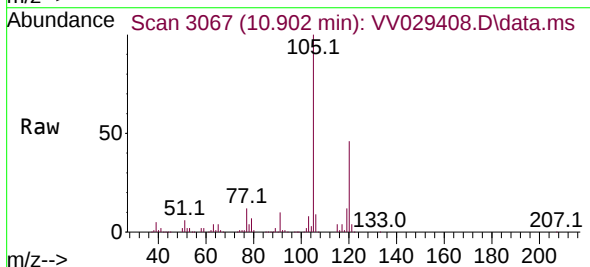
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

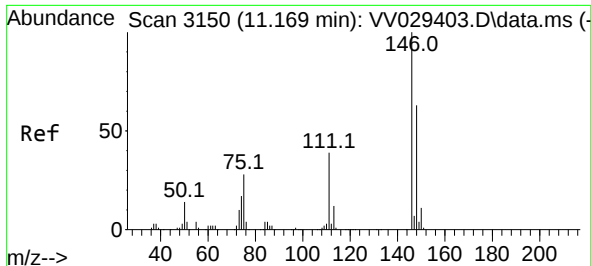
Tgt Ion:105 Resp: 330525
Ion Ratio Lower Upper
105 100
120 48.3 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 5.074 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion:105 Resp: 331236
Ion Ratio Lower Upper
105 100
120 46.1 37.2 55.8





#64

1,3-Dichlorobenzene

Concen: 5.320 ug/L

RT: 11.169 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

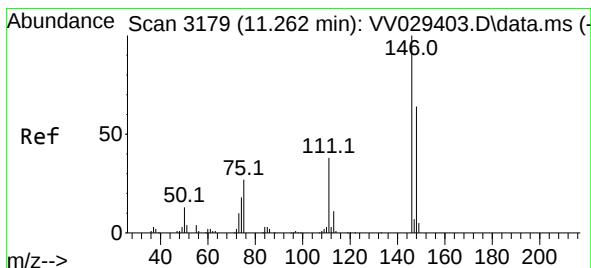
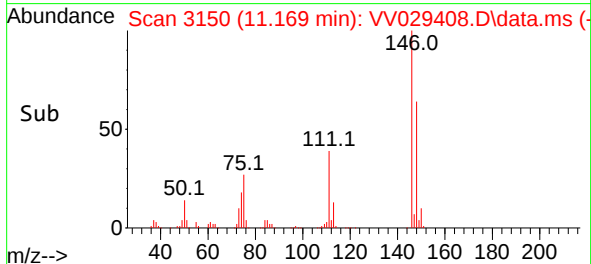
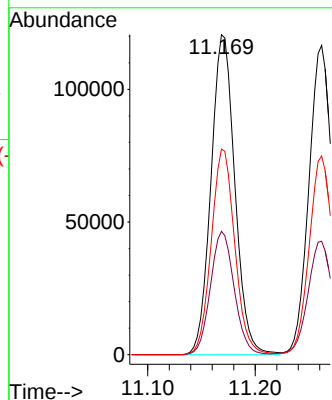
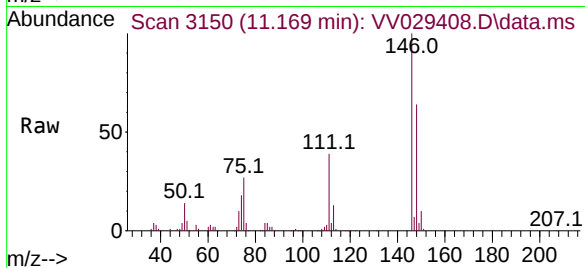
Tgt Ion:146 Resp: 186066

Ion Ratio Lower Upper

146 100

111 38.5 26.3 48.9

148 64.2 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 5.254 ug/L

RT: 11.262 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

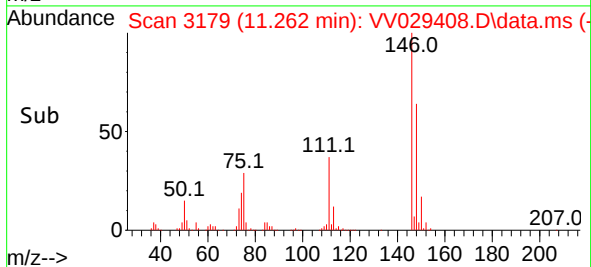
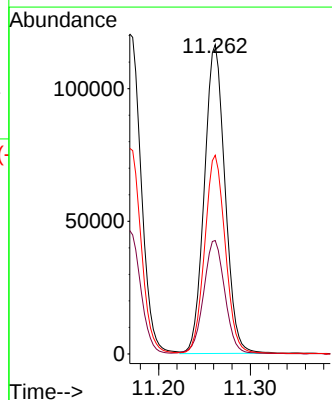
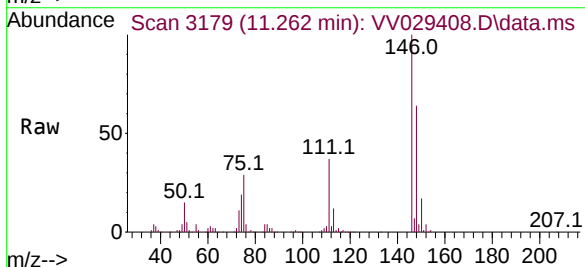
Tgt Ion:146 Resp: 181772

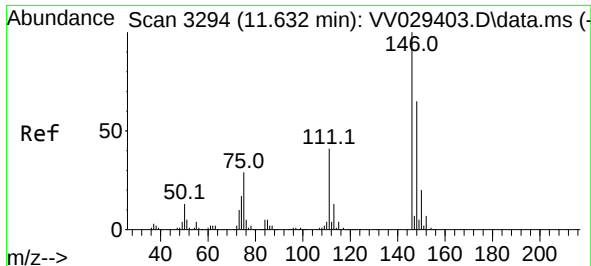
Ion Ratio Lower Upper

146 100

111 36.7 26.0 48.4

148 64.3 44.7 82.9

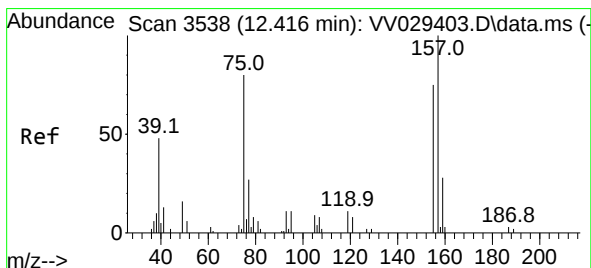
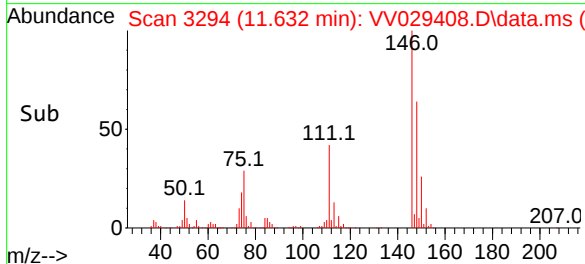
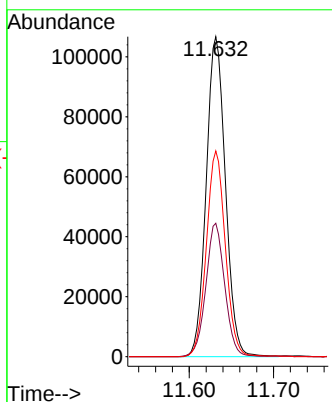
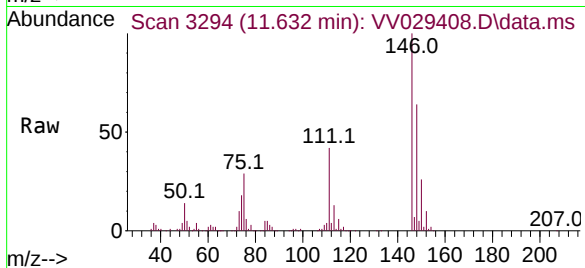




#67
1,2-Dichlorobenzene
Concen: 5.260 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

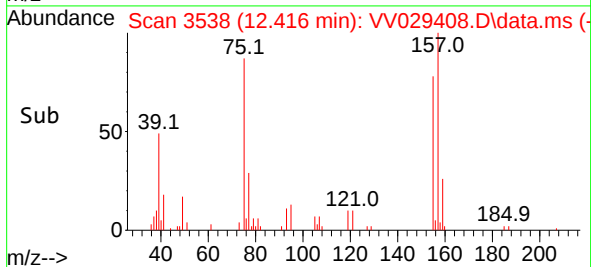
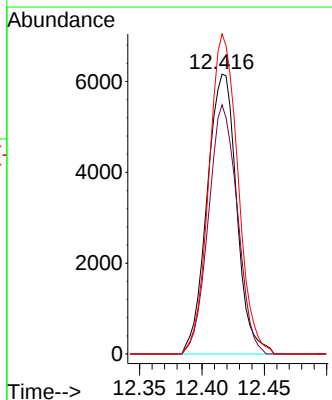
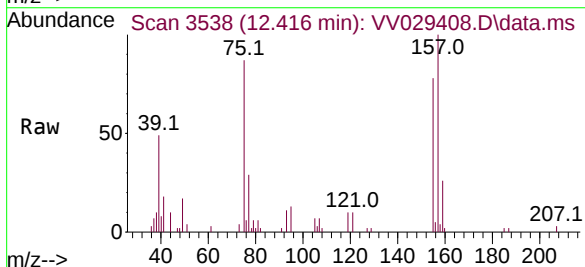
Instrument :
MSVOA_V
ClientSampleId :
VSTD005379

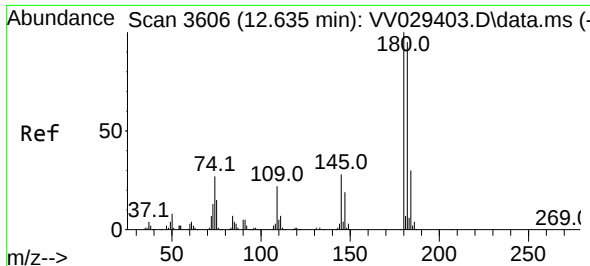
Tgt Ion:146 Resp: 169468
Ion Ratio Lower Upper
146 100
111 41.7 33.5 50.3
148 64.3 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 6.439 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VV029408.D
Acq: 06 Dec 2022 15:03

Tgt Ion: 75 Resp: 10169
Ion Ratio Lower Upper
75 100
155 89.0 76.6 115.0
157 114.4 96.9 145.3

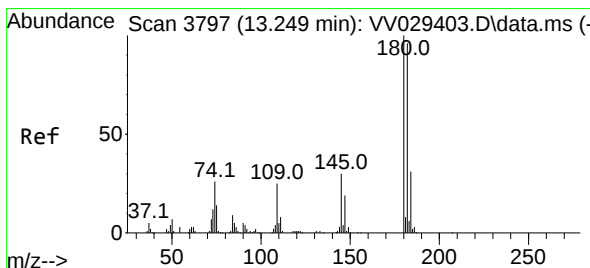
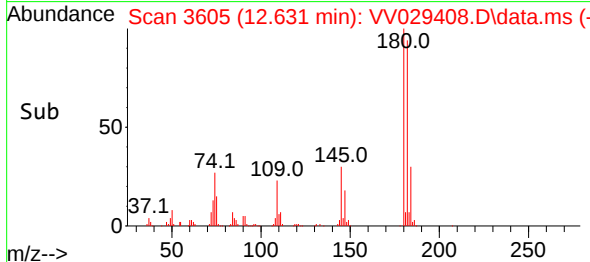
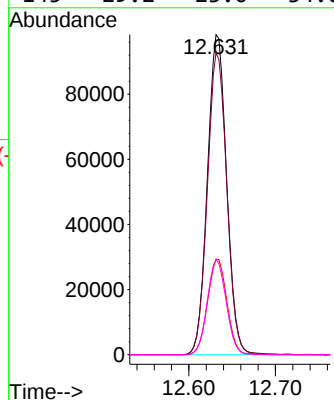
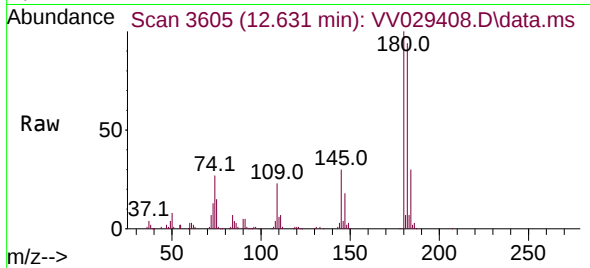




#69
 1,3,5-Trichlorobenzene
 Concen: 5.270 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. -0.003 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

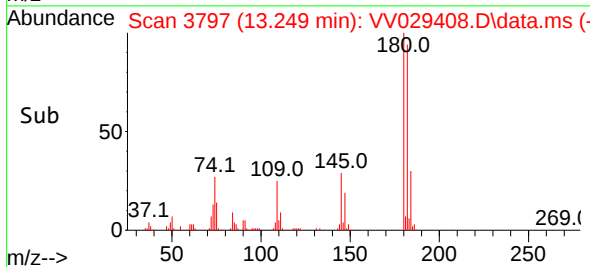
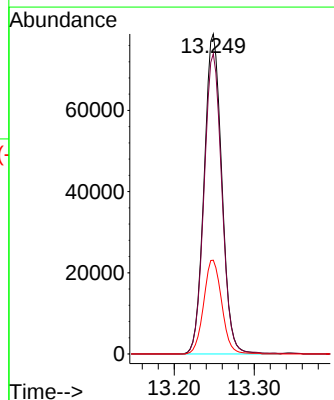
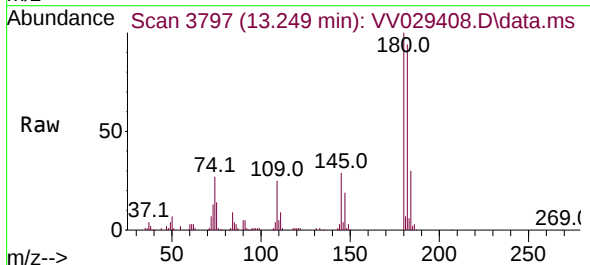
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005379

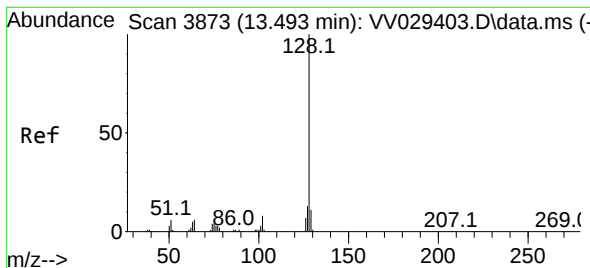
Tgt Ion:180	Resp:	151846
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.0 115.6
184	30.0	24.4 36.6
145	29.2	23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.206 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.000 min
 Lab File: VV029408.D
 Acq: 06 Dec 2022 15:03

Tgt Ion:180	Resp:	121557
Ion Ratio	Lower	Upper
180	100	
182	94.6	76.2 114.4
145	29.9	23.4 35.0





#71

Naphthalene

Concen: 5.544 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005379

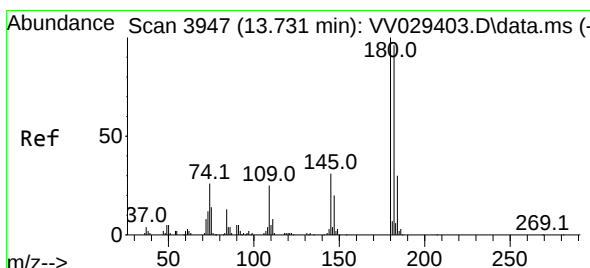
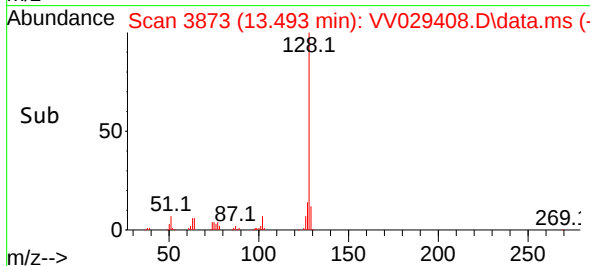
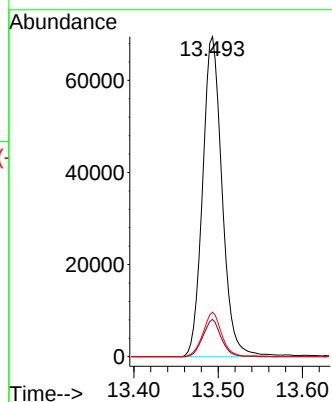
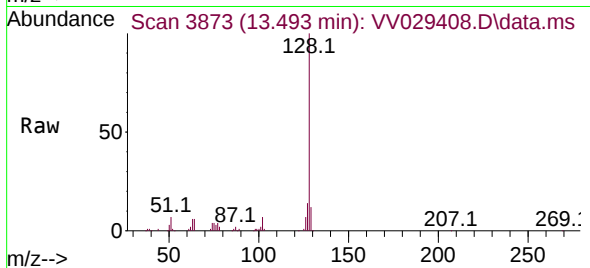
Tgt Ion:128 Resp: 112046

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.2 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.287 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. -0.000 min

Lab File: VV029408.D

Acq: 06 Dec 2022 15:03

Tgt Ion:180 Resp: 100493

Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.4

145 31.3 25.2 37.8

