

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120522\
 Data File : VW029401.D
 Acq On : 05 Dec 2022 14:22
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005377

Quant Time: Dec 05 23:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 02 21:17:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	241135	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	221971	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	116997	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	76188	5.134	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.565	69	56426	5.194	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.105	63	118560	4.993	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	3.896	46	118401	47.695	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.400%
24) Chloroform-d	4.336	84	130419	4.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.021	65	56016	4.807	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.037	84	269925	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.060	67	77711	4.508	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.304	98	250931	4.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.613	79	30140	4.535	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.082	63	113200	47.783	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.560%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	52083	4.896	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	85528	4.185	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	83743	4.654	ug/L	100
3) Chloromethane	1.240	50	90584	5.495	ug/L	99
5) Vinyl chloride	1.307	62	83507	5.084	ug/L	100
6) Bromomethane	1.520	94	40329	3.934	ug/L	96
8) Chloroethane	1.581	64	50883	5.212	ug/L	99
9) Trichlorofluoromethane	1.748	101	118338	5.147	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	67179	5.240	ug/L	97
12) 1,1-Dichloroethene	2.114	96	65702	5.299	ug/L	88
13) Acetone	2.201	43	91455	50.668	ug/L	97
14) Carbon disulfide	2.288	76	189421	5.258	ug/L	99
15) Methyl Acetate	2.436	43	23813	4.591	ug/L	96
16) Methylene chloride	2.500	84	82025	4.330	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	171042	5.396	ug/L	99
18) trans-1,2-Dichloroethene	2.751	96	76965	5.409	ug/L	97
19) 1,1-Dichloroethane	3.179	63	145192	5.669	ug/L	99
21) 2-Butanone	3.986	43	155572	55.057	ug/L	99
22) cis-1,2-Dichloroethene	3.899	96	88142	5.415	ug/L	96
23) Bromochloromethane	4.236	128	36000	5.522	ug/L	96
25) Chloroform	4.362	83	150275	5.619	ug/L	100

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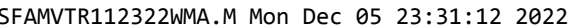
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 ClientSampleId :
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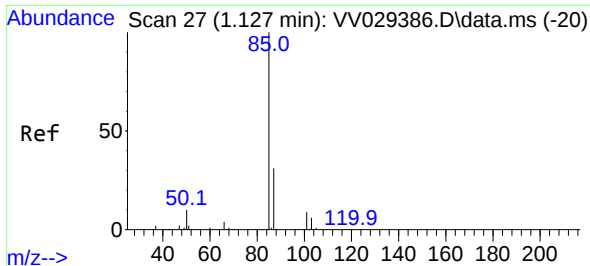
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	76229	5.261	ug/L	98
29) 1,1,1-Trichloroethane	4.593	97	129640	5.078	ug/L	99
30) Cyclohexane	4.664	56	116652	4.623	ug/L	99
31) Carbon tetrachloride	4.815	117	109814	5.086	ug/L	99
33) Benzene	5.089	78	330890	4.984	ug/L	100
34) Trichloroethene	5.902	95	83910	4.954	ug/L	95
35) Methylcyclohexane	6.121	83	130608	4.569	ug/L	96
37) 1,2-Dichloropropane	6.162	63	82165	5.254	ug/L	99
38) Bromodichloromethane	6.500	83	107083	5.720	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	118816	5.197	ug/L	97
40) 4-Methyl-2-pentanone	7.220	43	392010	53.567	ug/L	99
42) Toluene	7.378	91	358723	5.035	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	95726	5.286	ug/L	98
45) 1,1,2-Trichloroethane	7.828	97	56036	5.292	ug/L	97
47) Tetrachloroethene	7.963	164	65270	4.701	ug/L	97
48) 2-Hexanone	8.133	43	283917	55.652	ug/L	98
49) Dibromochloromethane	8.233	129	69024	5.795	ug/L	99
50) 1,2-Dibromoethane	8.342	107	50133	5.426	ug/L	96
51) Chlorobenzene	8.870	112	228843	5.138	ug/L	99
52) Ethylbenzene	9.002	91	390872	5.262	ug/L	99
53) m,p-Xylene	9.127	106	150515	5.137	ug/L	97
54) o-Xylene	9.532	106	146034	5.074	ug/L	96
55) Styrene	9.551	104	262942	5.412	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	64712	5.907	ug/L	98
59) Bromoform	9.722	173	39561	6.436	ug/L	99
60) Isopropylbenzene	9.921	105	384684	5.085	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	44255	5.454	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	329699	5.034	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	332963	5.054	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	184897	5.239	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	181580	5.201	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	168855	5.193	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	9927	6.229	ug/L	93
69) 1,3,5-Trichlorobenzene	12.632	180	152458	5.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	123704	5.251	ug/L	99
71) Naphthalene	13.493	128	119088	5.839	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	101920	5.314	ug/L	99

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

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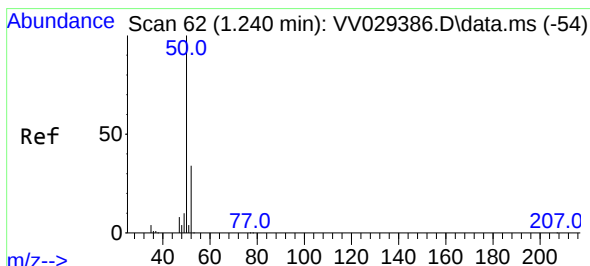
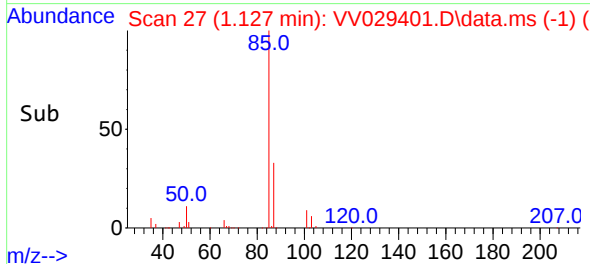
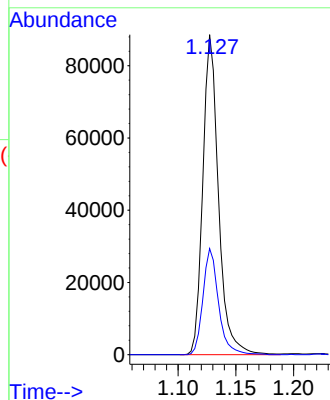
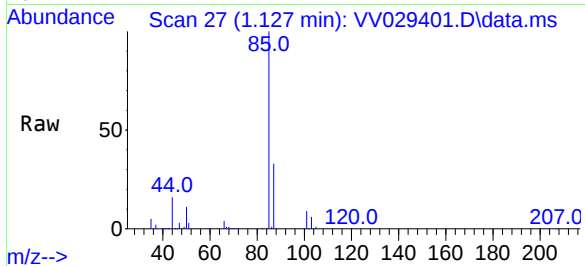




#2
Dichlorodifluoromethane
Concen: 4.654 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

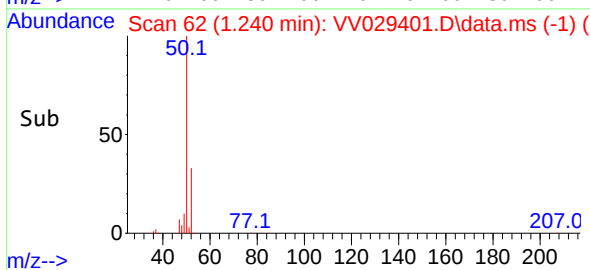
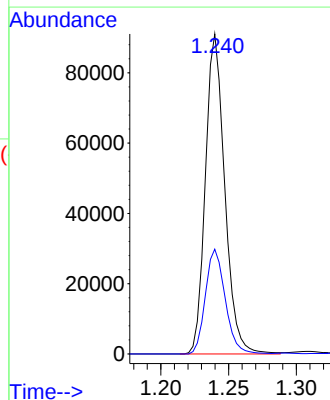
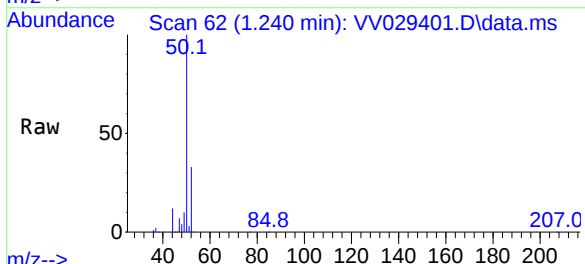
Instrument :
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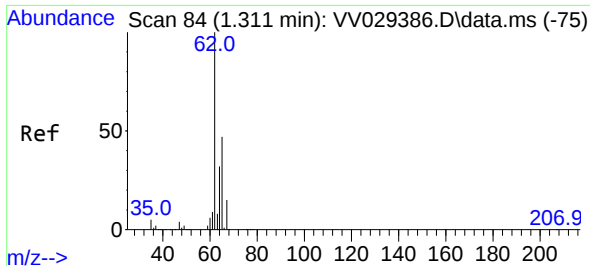
Tgt Ion: 85 Resp: 83743
Ion Ratio Lower Upper
85 100
87 32.9 26.2 39.4



#3
Chloromethane
Concen: 5.495 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 50 Resp: 90584
Ion Ratio Lower Upper
50 100
52 32.8 23.2 43.2

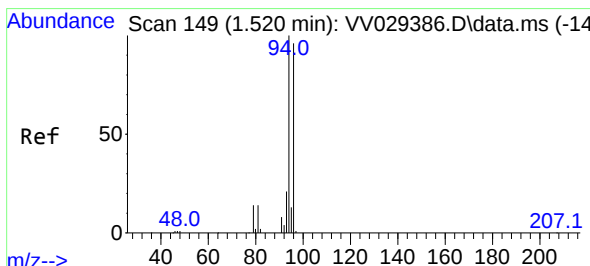
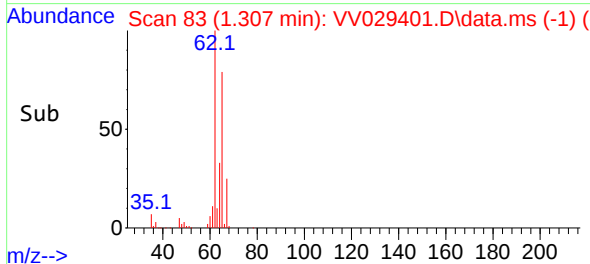
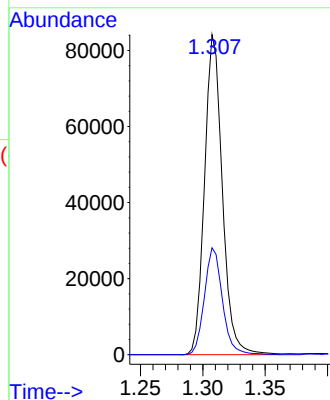
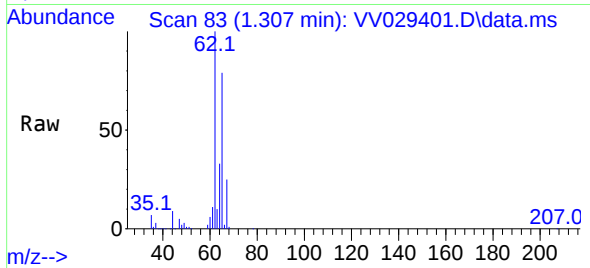




#5
 Vinyl chloride
 Concen: 5.084 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

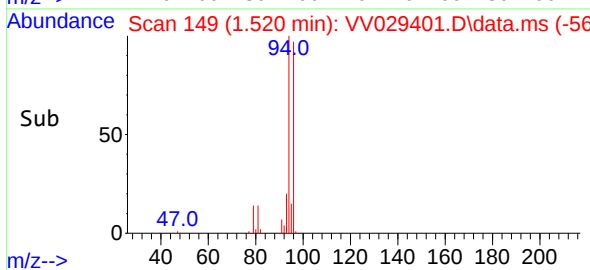
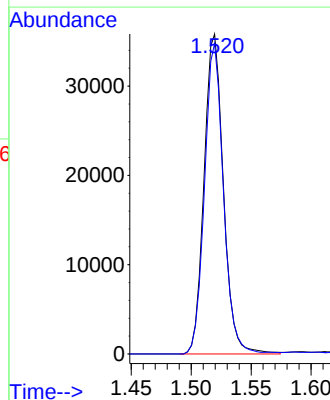
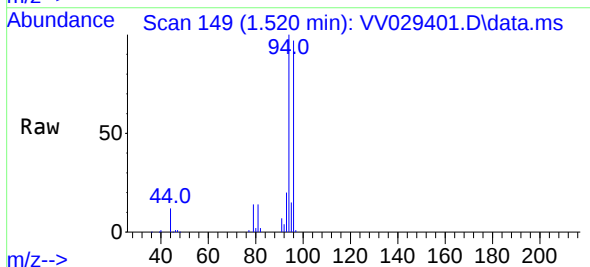
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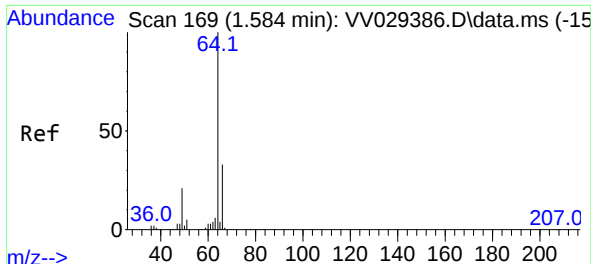
Tgt Ion: 62 Resp: 83507
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.4 43.4



#6
 Bromomethane
 Concen: 3.934 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

Tgt Ion: 94 Resp: 40329
 Ion Ratio Lower Upper
 94 100
 96 97.1 65.4 121.4

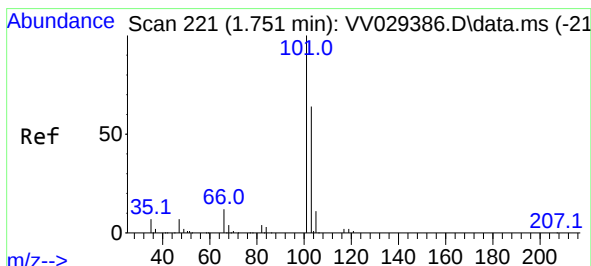
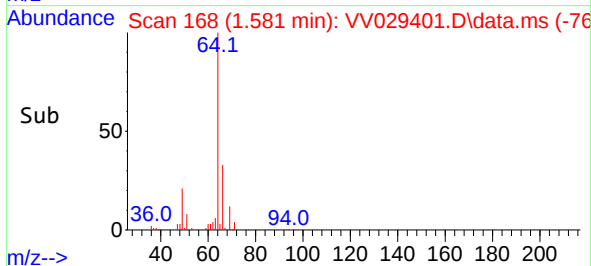
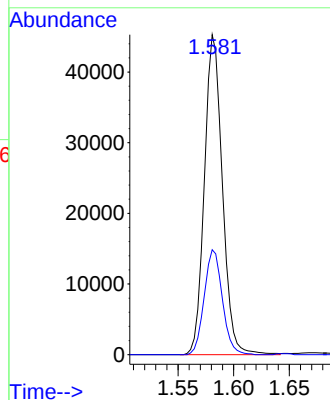
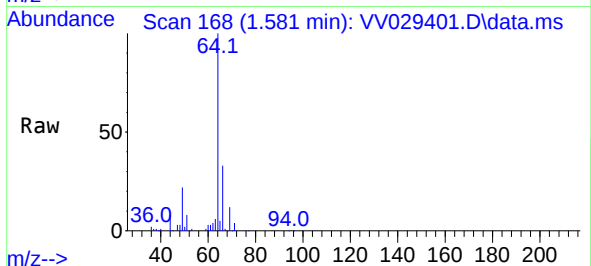




#8
Chloroethane
Concen: 5.212 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

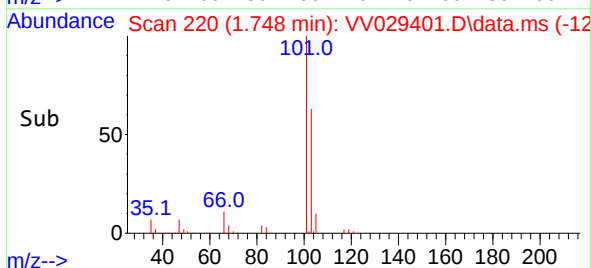
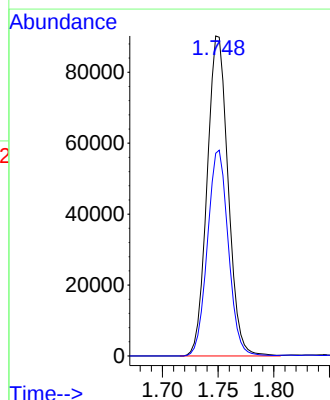
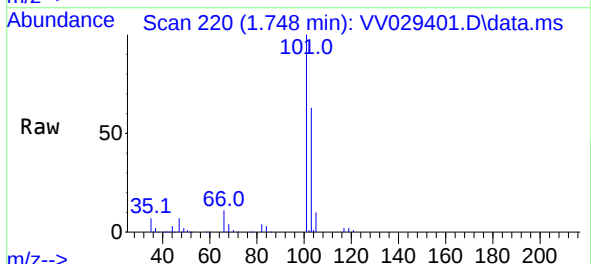
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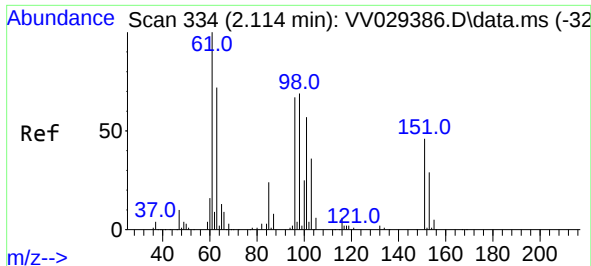
Tgt Ion: 64 Resp: 50883
Ion Ratio Lower Upper
64 100
66 32.8 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.147 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:101 Resp: 118338
Ion Ratio Lower Upper
101 100
103 63.8 51.8 77.8

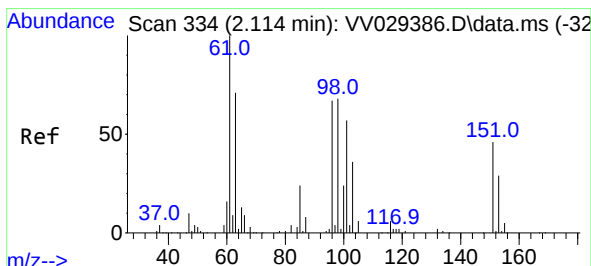
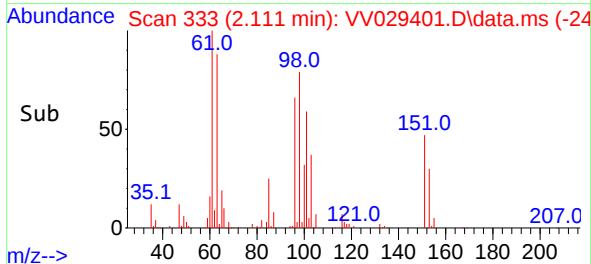
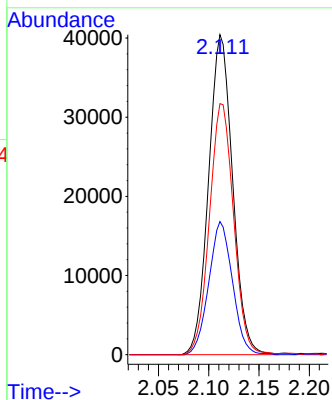
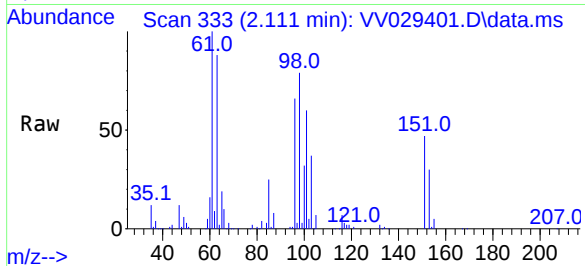




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.240 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

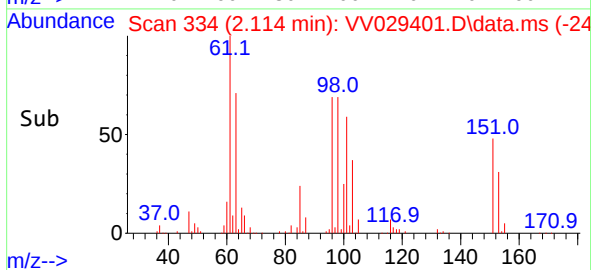
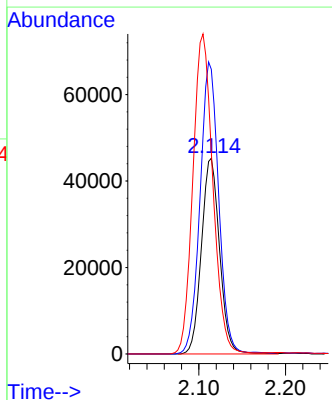
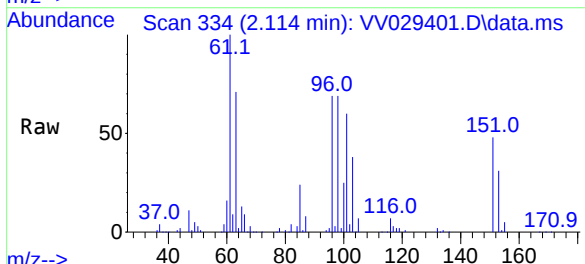
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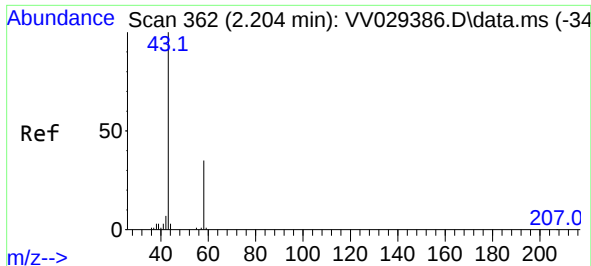
Tgt Ion:101 Resp: 67179
 Ion Ratio Lower Upper
 101 100
 85 41.0 33.6 50.4
 151 78.9 65.3 97.9



#12
 1,1-Dichloroethene
 Concen: 5.299 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

Tgt Ion: 96 Resp: 65702
 Ion Ratio Lower Upper
 96 100
 61 145.4 110.3 204.9
 63 103.3 84.4 156.8

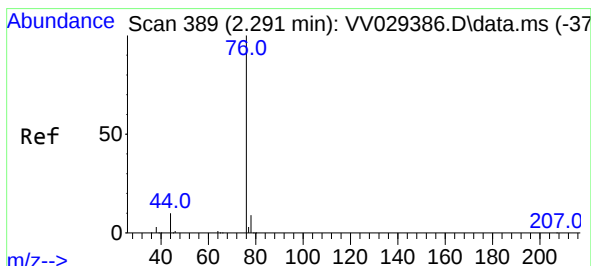
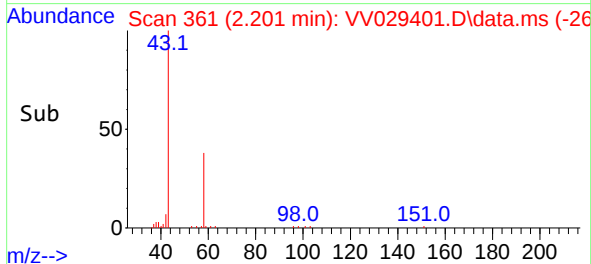
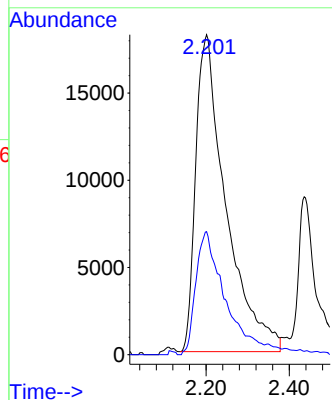
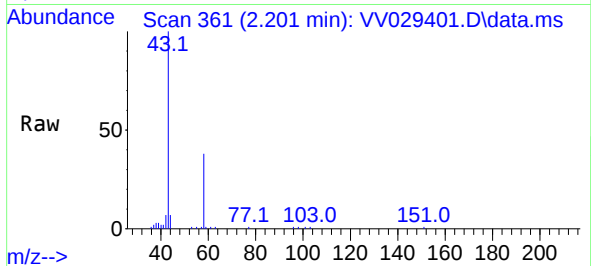




#13
Acetone
Concen: 50.668 ug/L
RT: 2.201 min Scan# 30
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

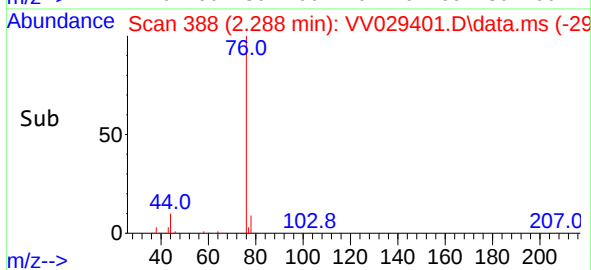
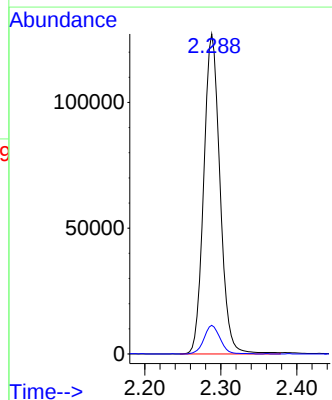
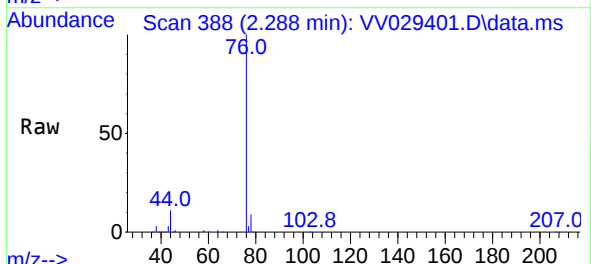
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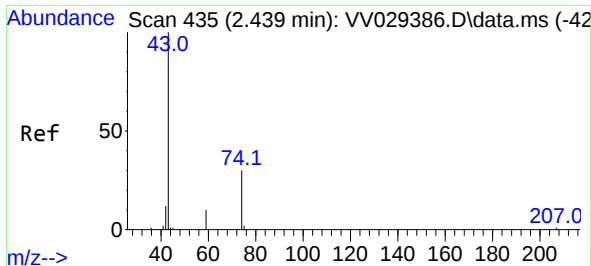
Tgt Ion: 43 Resp: 91455
Ion Ratio Lower Upper
43 100
58 37.1 0.0 70.8



#14
Carbon disulfide
Concen: 5.258 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 76 Resp: 189421
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

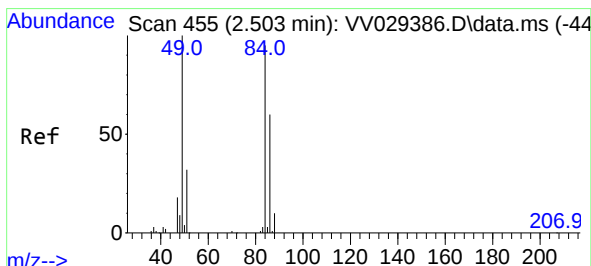
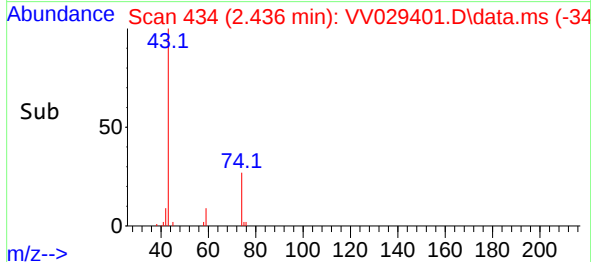
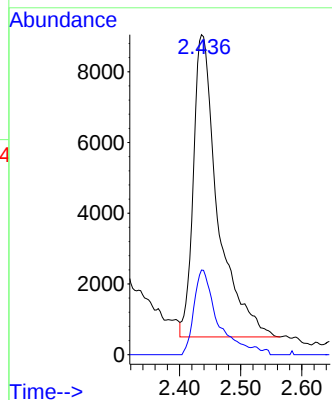
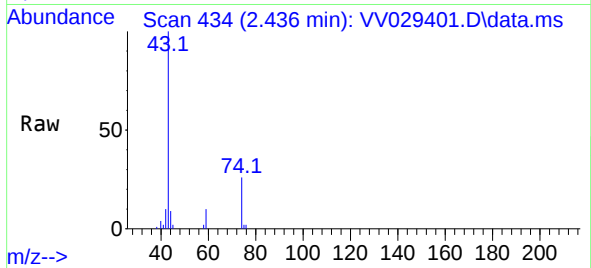




#15
Methyl Acetate
Concen: 4.591 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

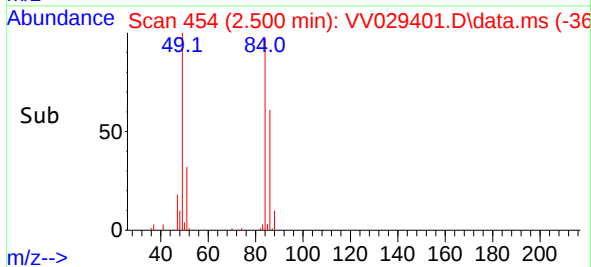
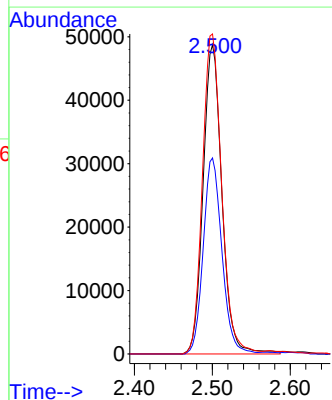
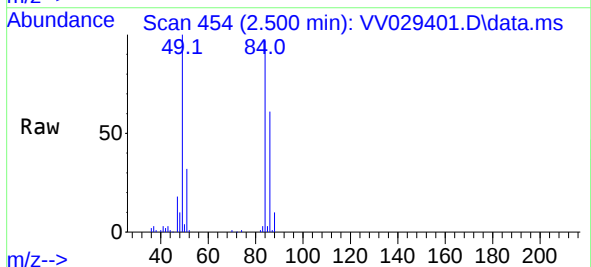
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

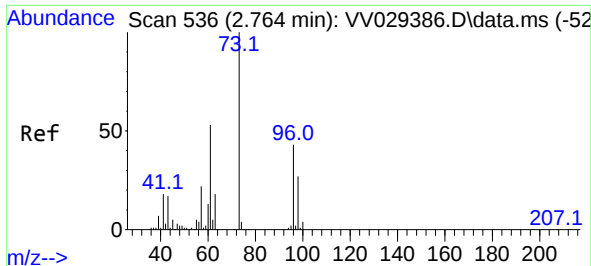
Tgt Ion: 43 Resp: 23813
Ion Ratio Lower Upper
43 100
74 26.5 19.6 29.4



#16
Methylene chloride
Concen: 4.330 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 84 Resp: 82025
Ion Ratio Lower Upper
84 100
86 63.4 45.6 84.6
49 103.5 77.8 144.4

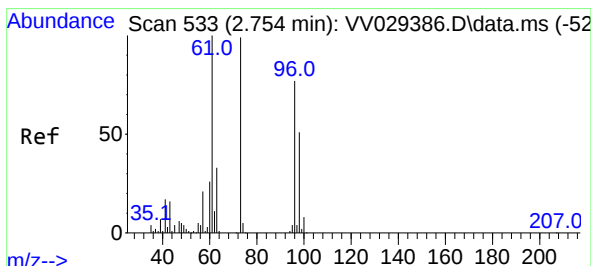
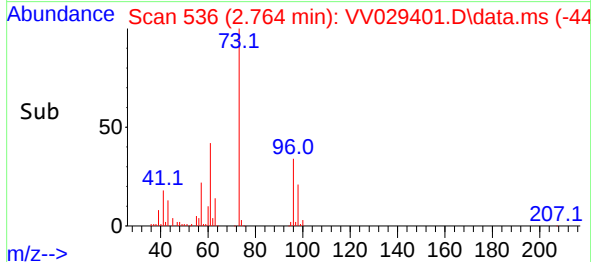
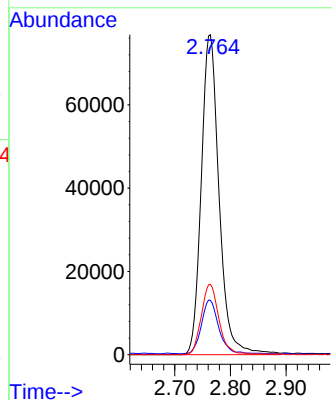
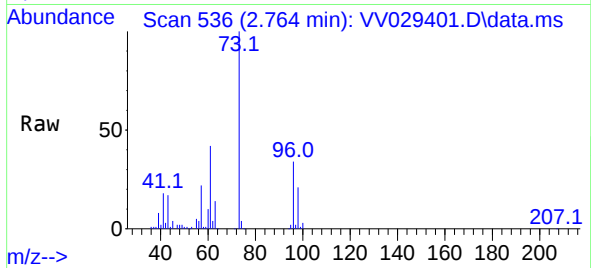




#17
Methyl tert-butyl Ether
Concen: 5.396 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

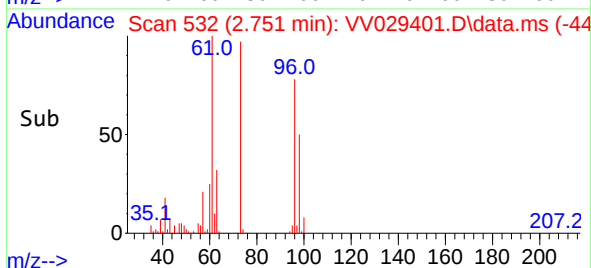
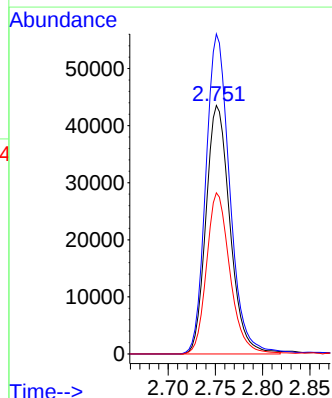
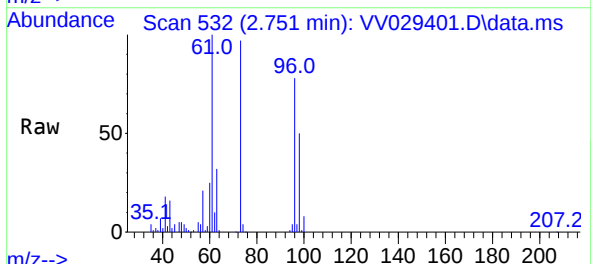
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

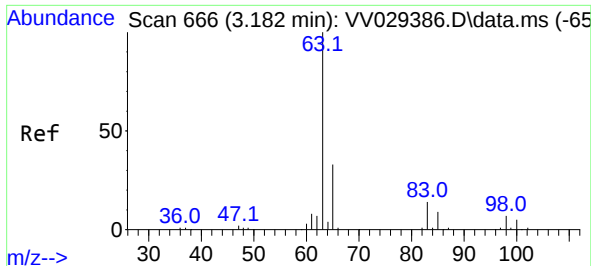
Tgt Ion: 73 Resp: 171042
Ion Ratio Lower Upper
73 100
43 15.9 13.2 19.8
57 21.7 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 5.409 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 96 Resp: 76965
Ion Ratio Lower Upper
96 100
61 128.8 93.0 172.6
98 64.8 44.0 81.8

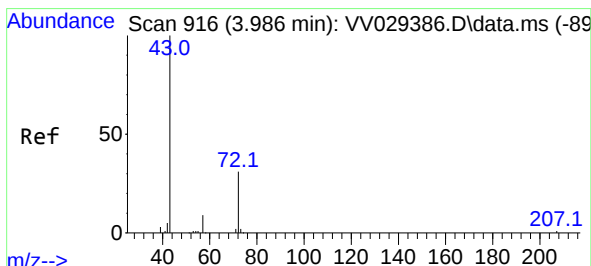
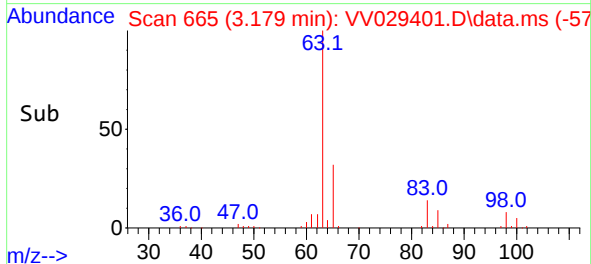
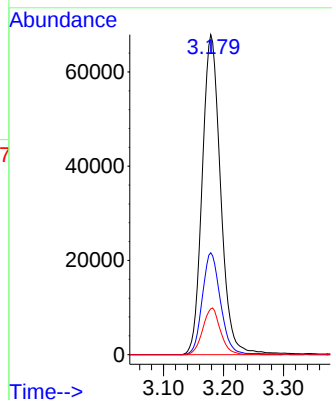
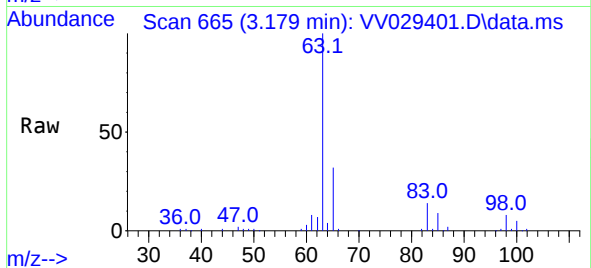




#19
1,1-Dichloroethane
Concen: 5.669 ug/L
RT: 3.179 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

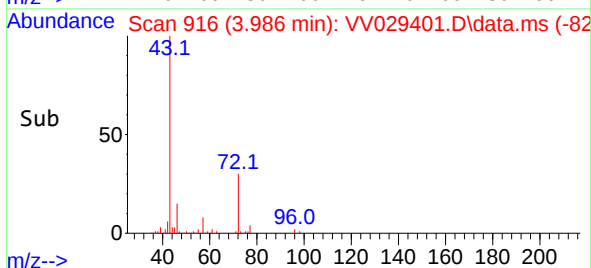
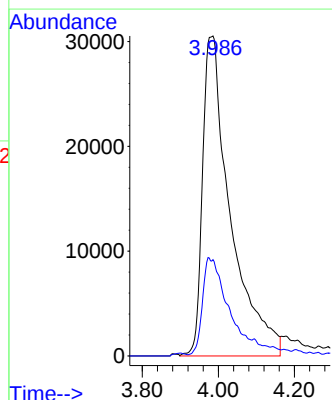
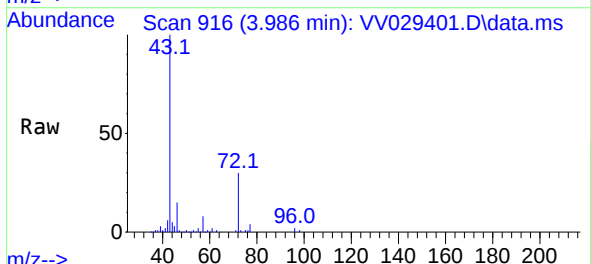
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

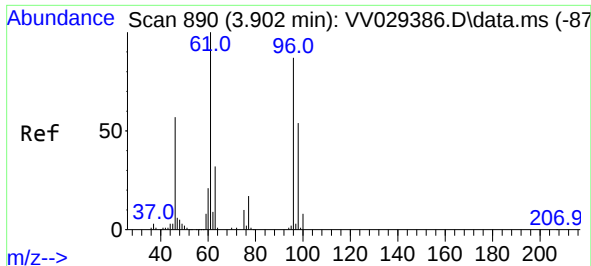
Tgt Ion: 63 Resp: 145192
Ion Ratio Lower Upper
63 100
65 31.9 21.6 40.2
83 14.4 10.3 19.1



#21
2-Butanone
Concen: 55.057 ug/L
RT: 3.986 min Scan# 916
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 43 Resp: 155572
Ion Ratio Lower Upper
43 100
72 27.2 13.8 41.3

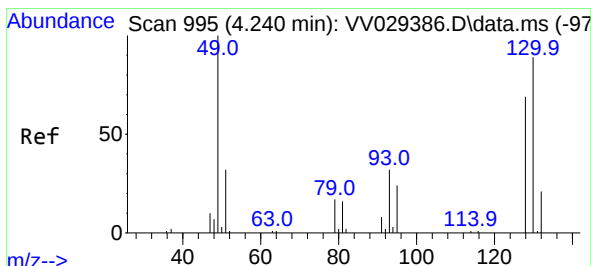
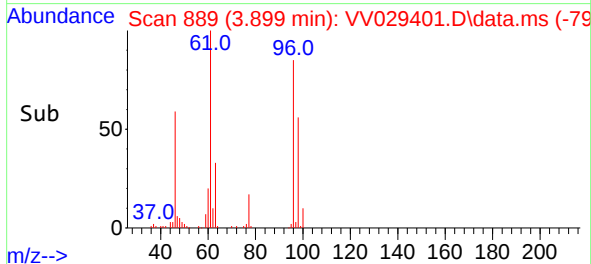
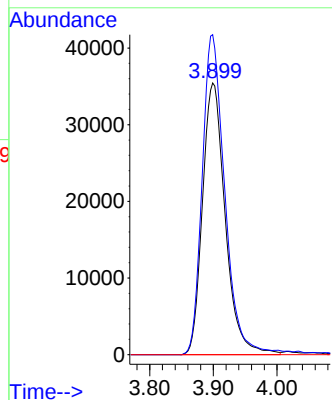
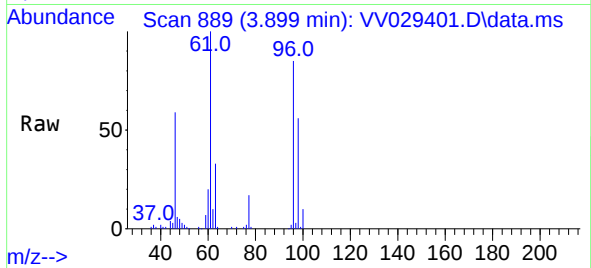




#22
cis-1,2-Dichloroethene
Concen: 5.415 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

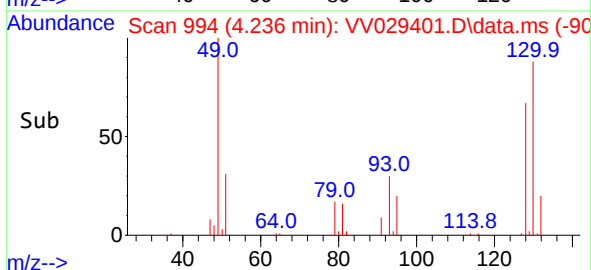
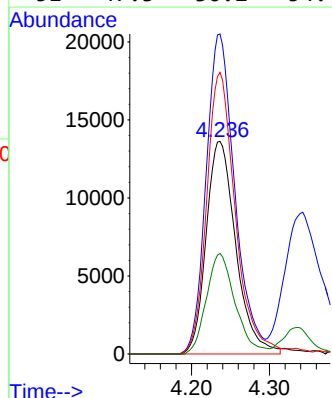
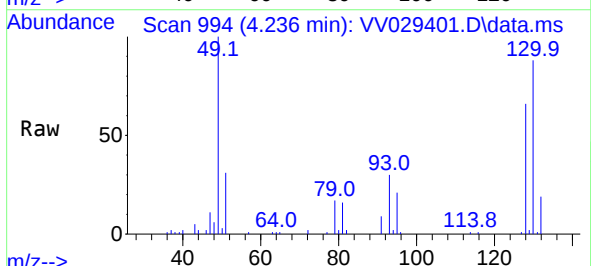
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

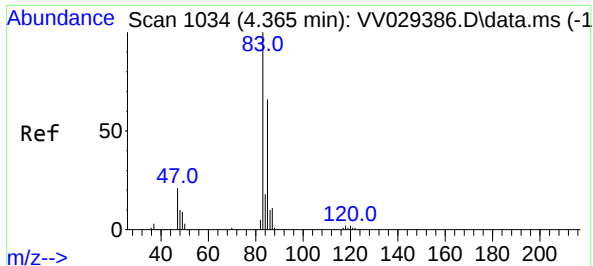
Tgt Ion: 96 Resp: 88142
Ion Ratio Lower Upper
96 100
61 117.8 85.8 159.3
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 5.522 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:128 Resp: 36000
Ion Ratio Lower Upper
128 100
49 150.5 100.0 185.8
130 132.4 90.2 167.6
51 47.3 36.2 54.4





#25

Chloroform

Concen: 5.619 ug/L

RT: 4.362 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

Instrument :

MSVOA_V

ClientSampleId :

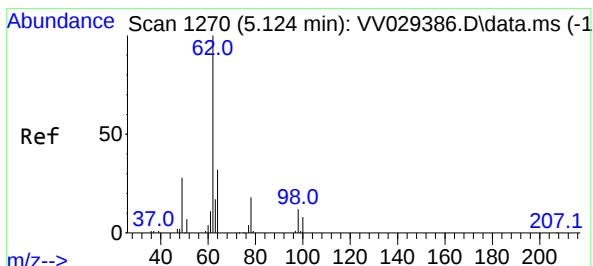
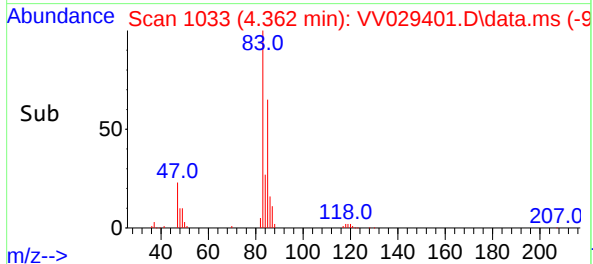
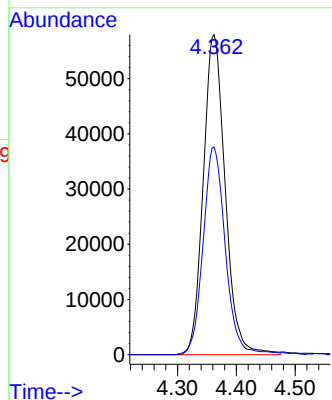
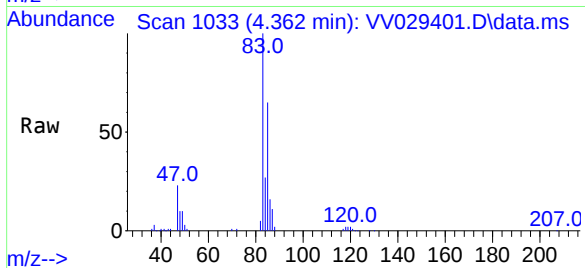
VSTD005377

Tgt Ion: 83 Resp: 150275

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.261 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV029401.D

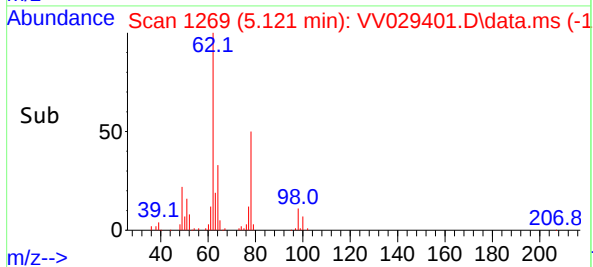
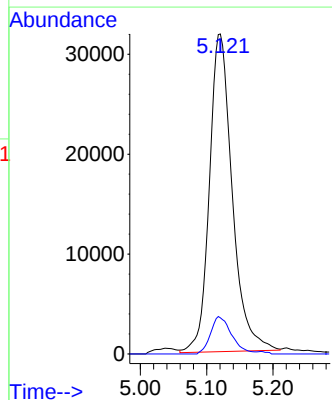
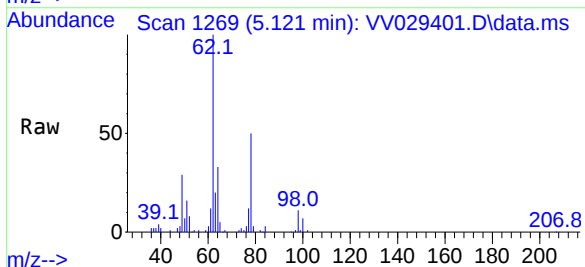
Acq: 05 Dec 2022 14:22

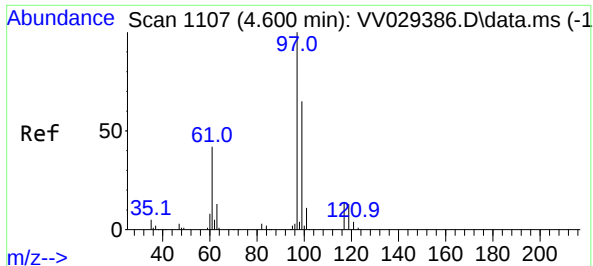
Tgt Ion: 62 Resp: 76229

Ion Ratio Lower Upper

62 100

98 11.3 8.4 12.6



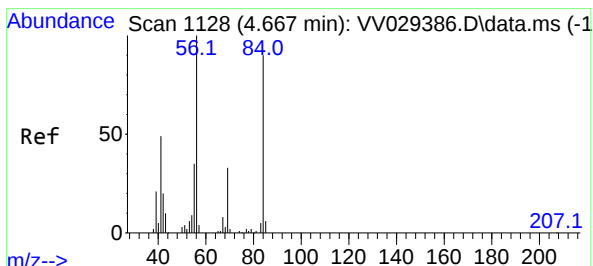
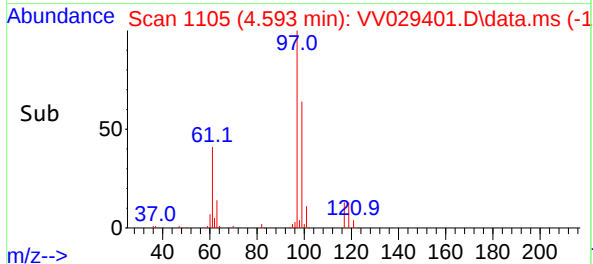
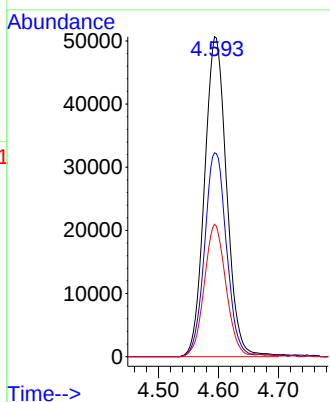
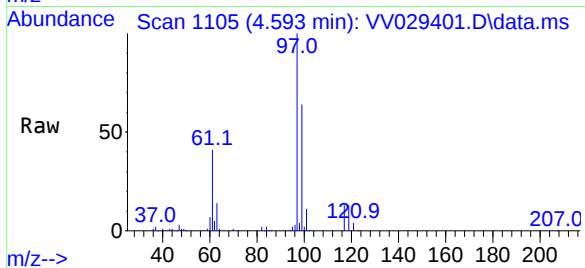


#29
1,1,1-Trichloroethane
Concen: 5.078 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

Tgt Ion: 97 Resp: 129640

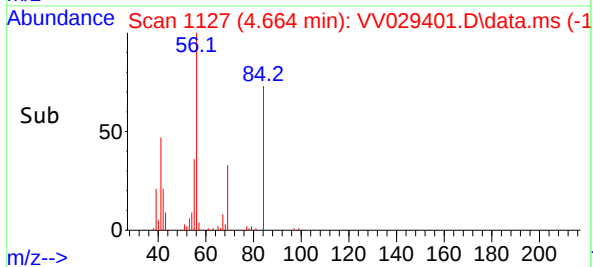
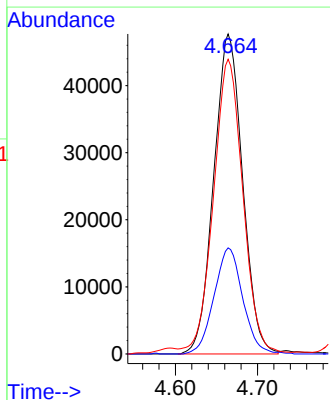
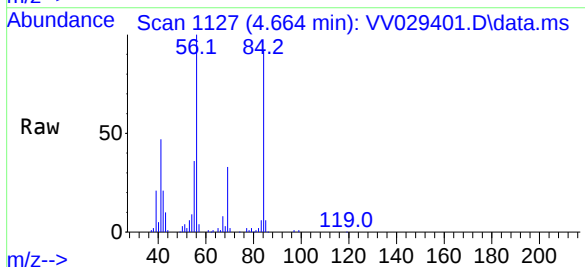
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	40.6	33.3	49.9

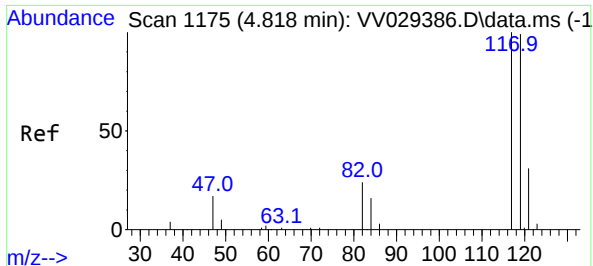


#30
Cyclohexane
Concen: 4.623 ug/L
RT: 4.664 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 56 Resp: 116652

Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.1	39.1
84	93.0	75.6	113.4

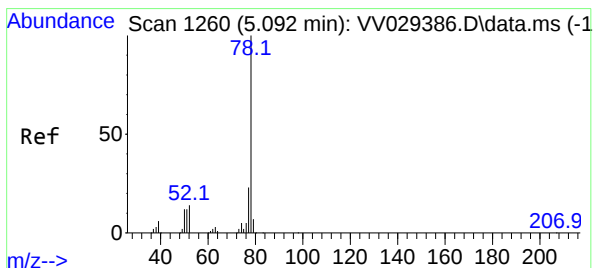
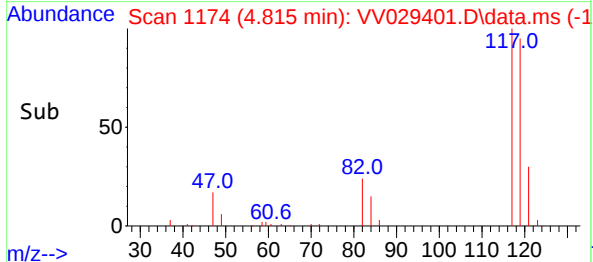
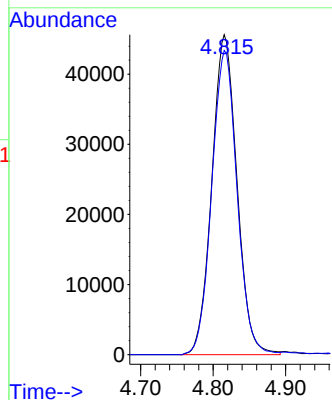
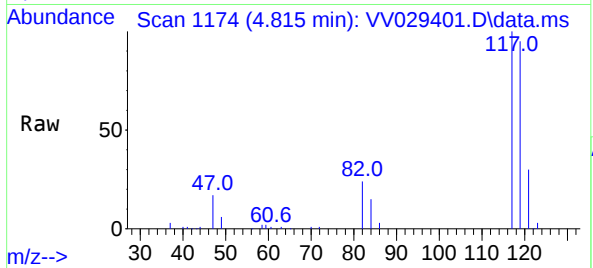




#31
Carbon tetrachloride
Concen: 5.086 ug/L
RT: 4.815 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

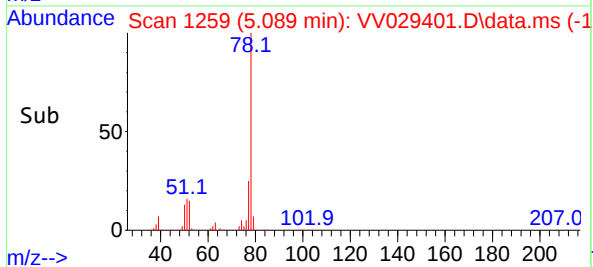
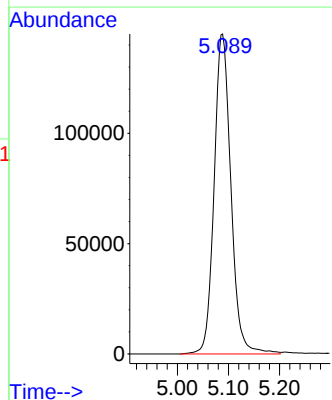
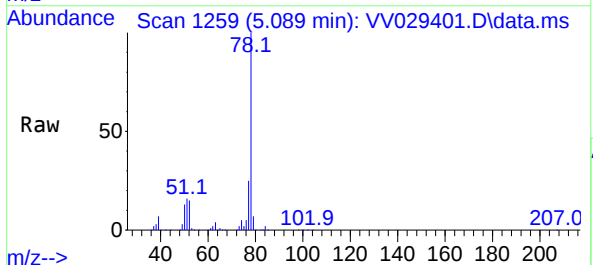
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

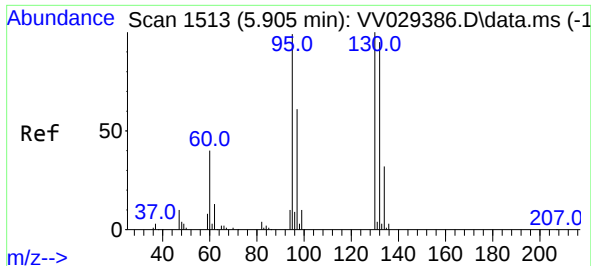
Tgt Ion:117 Resp: 109814
Ion Ratio Lower Upper
117 100
119 95.8 75.7 113.5



#33
Benzene
Concen: 4.984 ug/L
RT: 5.089 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 78 Resp: 330890



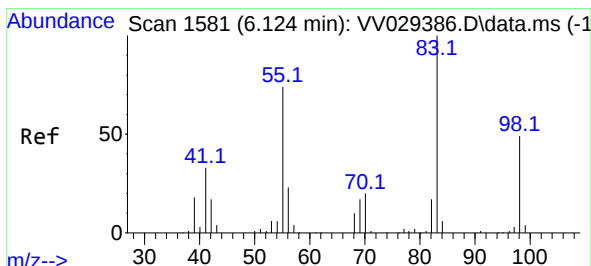
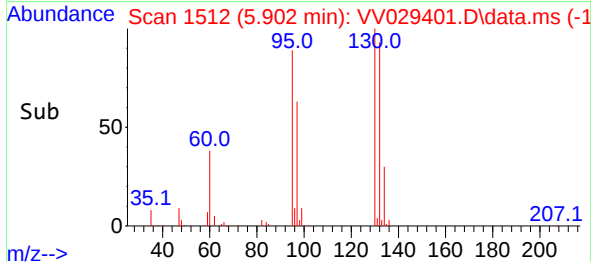
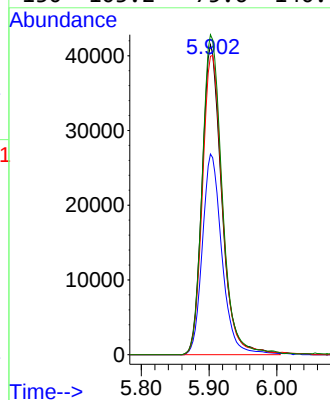
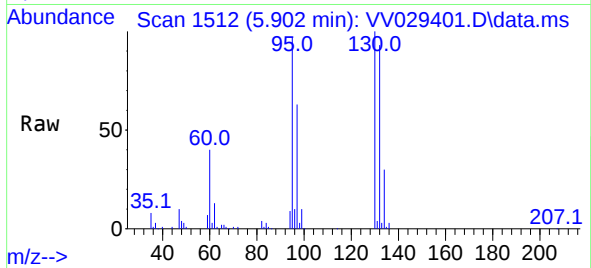


#34
Trichloroethene
Concen: 4.954 ug/L
RT: 5.902 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

Tgt Ion: 95 Resp: 83910

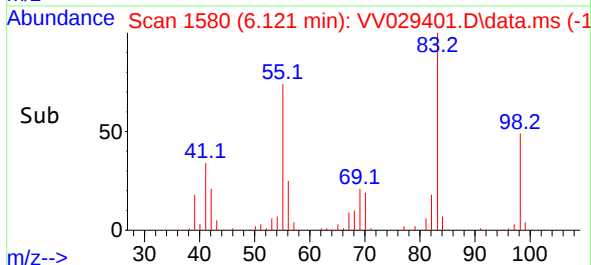
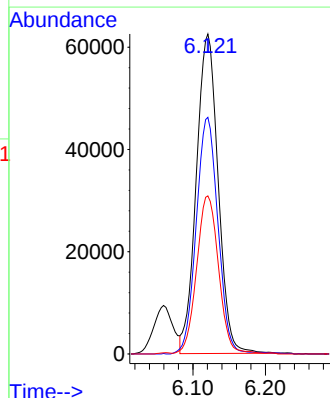
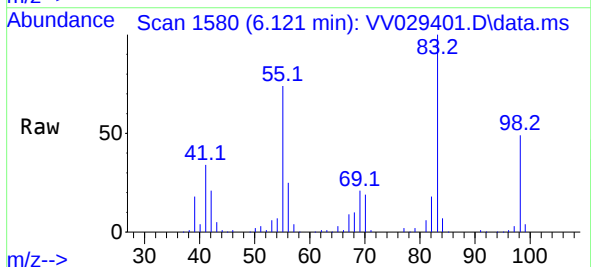
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.4	84.4
132	96.3	73.3	136.1
130	103.2	75.6	140.4

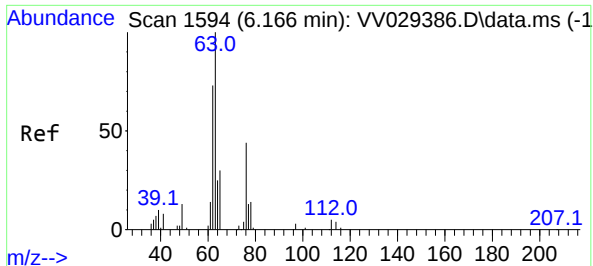


#35
Methylcyclohexane
Concen: 4.569 ug/L
RT: 6.121 min Scan# 1580
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 83 Resp: 130608

Ion	Ratio	Lower	Upper
83	100		
55	74.1	55.4	83.2
98	49.2	39.4	59.2

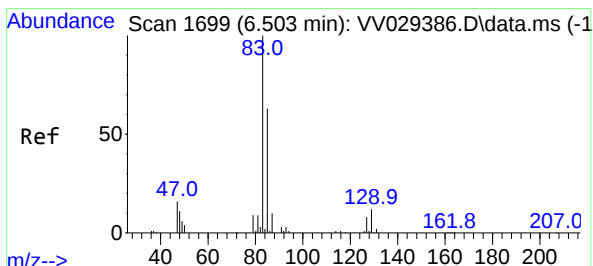
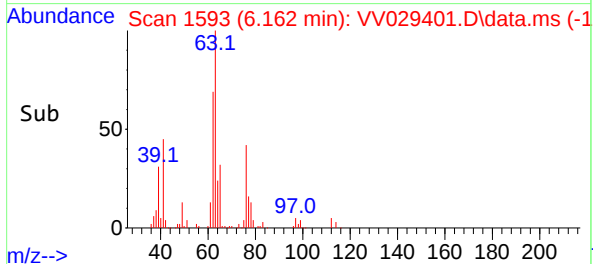
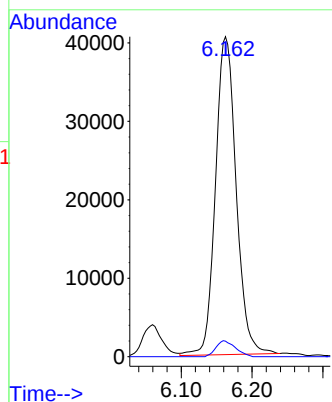
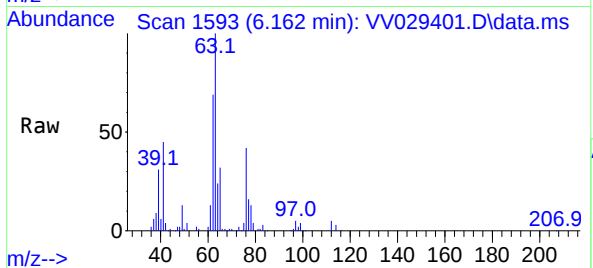




#37
1,2-Dichloropropane
Concen: 5.254 ug/L
RT: 6.162 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

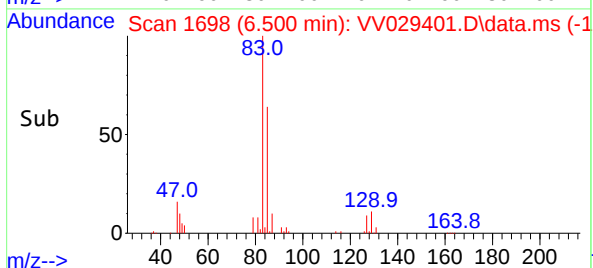
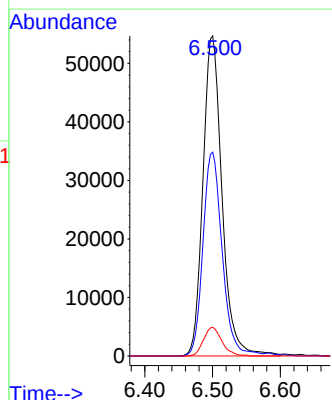
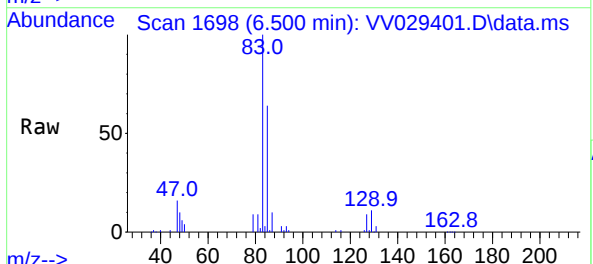
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

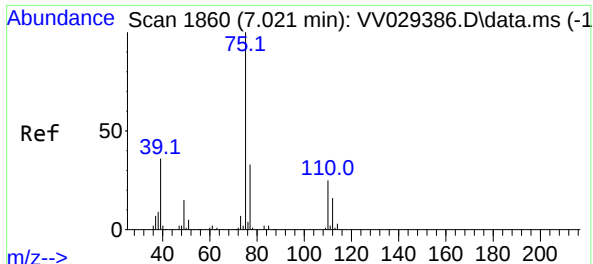
Tgt Ion: 63 Resp: 82165
Ion Ratio Lower Upper
63 100
112 4.7 4.1 6.1



#38
Bromodichloromethane
Concen: 5.720 ug/L
RT: 6.500 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 83 Resp: 107083
Ion Ratio Lower Upper
83 100
85 63.7 44.7 83.1
127 8.9 7.4 11.2

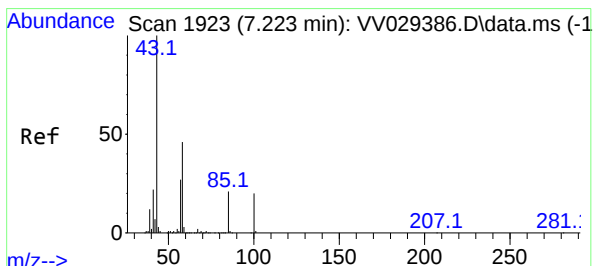
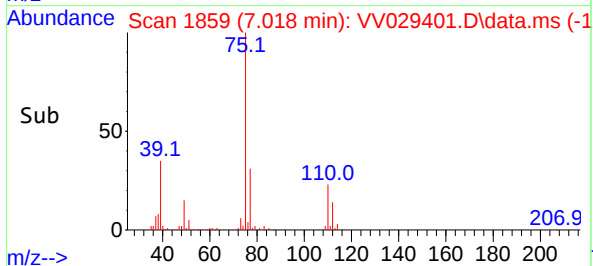
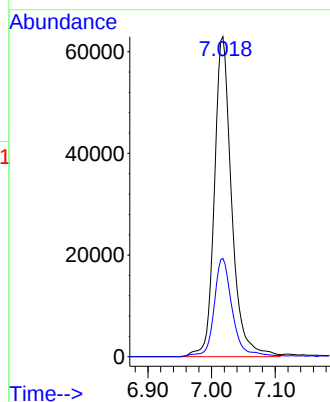
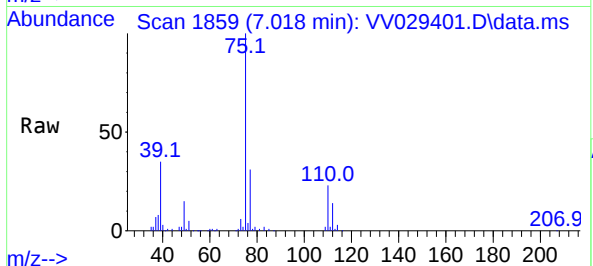




#39
 cis-1,3-Dichloropropene
 Concen: 5.197 ug/L
 RT: 7.018 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

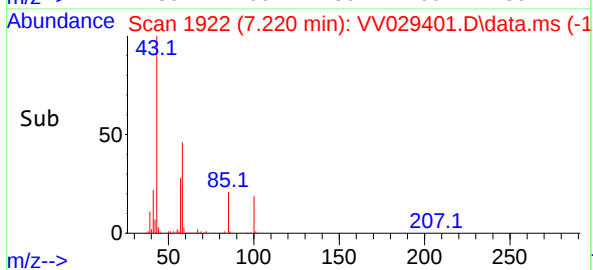
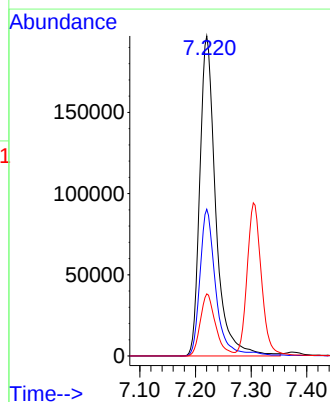
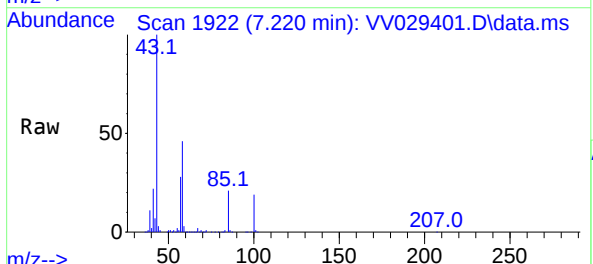
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005377

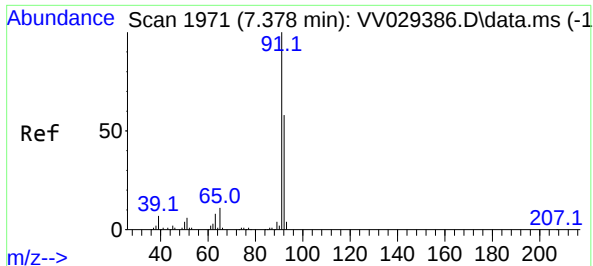
Tgt Ion: 75 Resp: 118816
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 53.567 ug/L
 RT: 7.220 min Scan# 1922
 Delta R.T. -0.003 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

Tgt Ion: 43 Resp: 392010
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.3 52.9
 100 18.7 15.3 22.9





#42

Toluene

Concen: 5.035 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. 0.000 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

Instrument :

MSVOA_V

ClientSampleId :

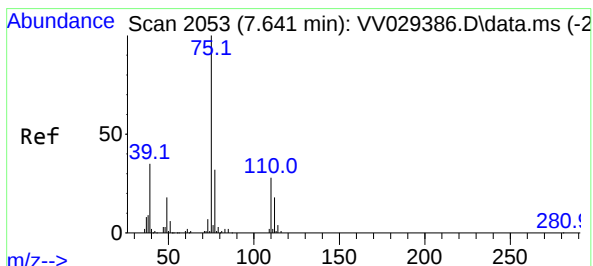
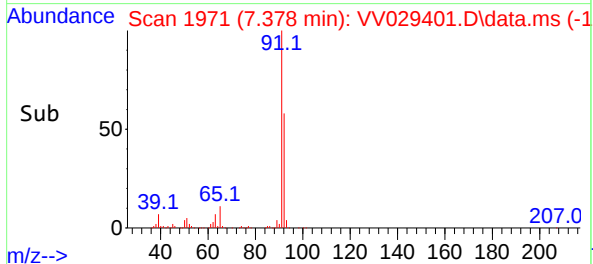
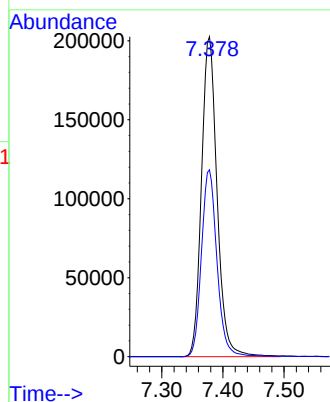
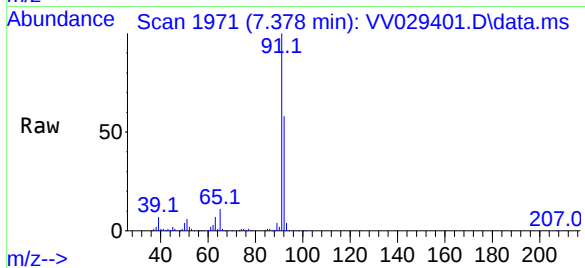
VSTD005377

Tgt Ion: 91 Resp: 358723

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.286 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV029401.D

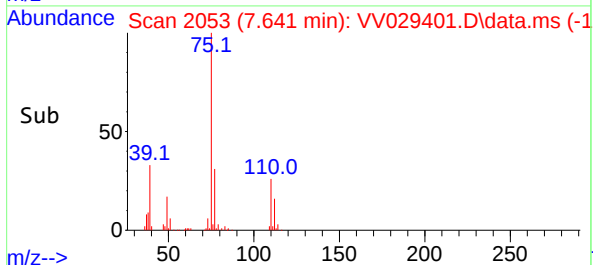
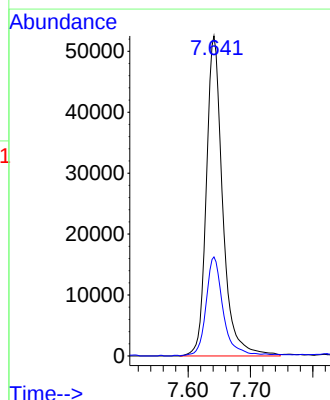
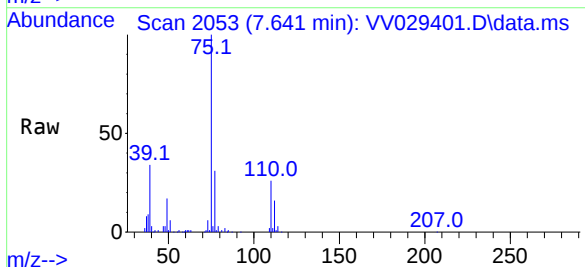
Acq: 05 Dec 2022 14:22

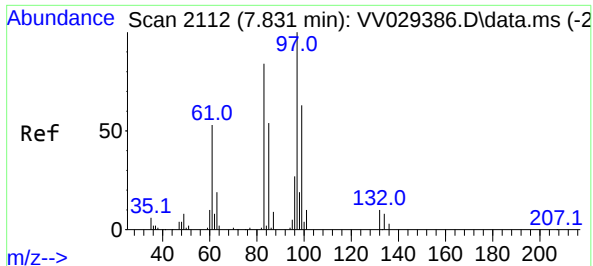
Tgt Ion: 75 Resp: 95726

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.292 ug/L

RT: 7.828 min Scan# 2111

Delta R.T. -0.003 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005377

Tgt Ion: 97 Resp: 56036

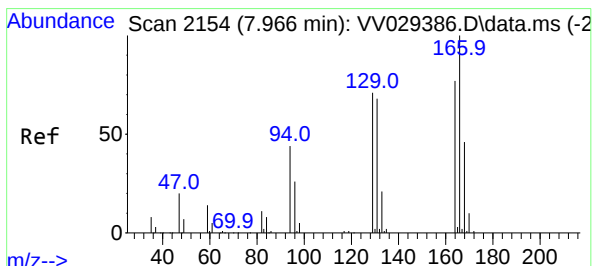
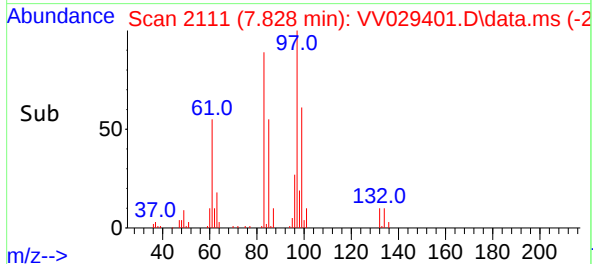
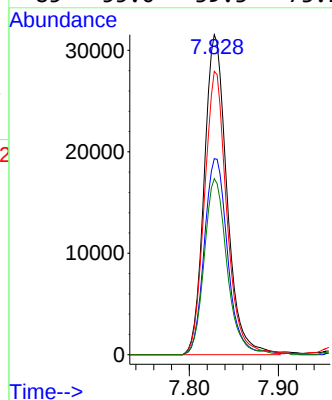
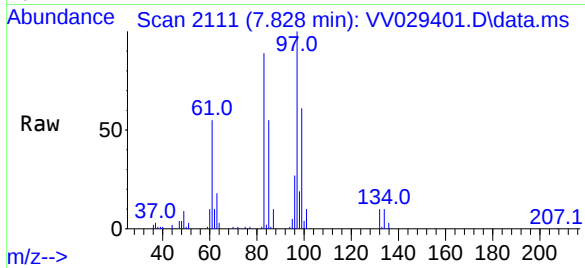
Ion Ratio Lower Upper

97 100

99 61.3 44.4 82.5

83 88.5 59.5 110.5

85 55.0 39.3 73.1



#47

Tetrachloroethene

Concen: 4.701 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. -0.003 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

Tgt Ion:164 Resp: 65270

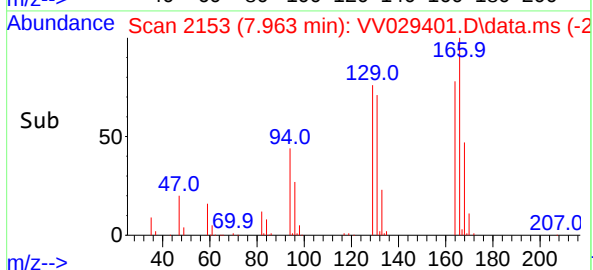
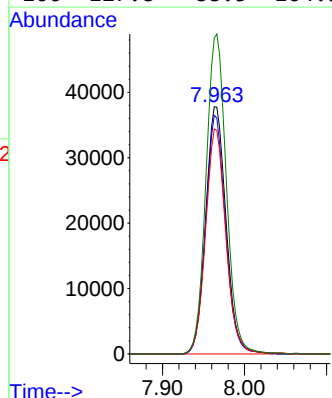
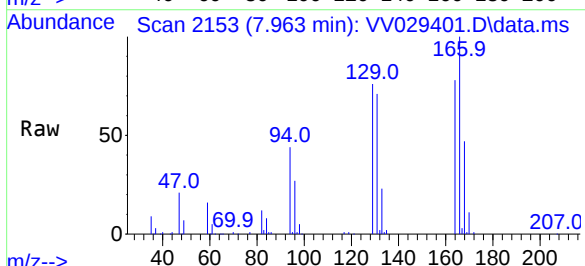
Ion Ratio Lower Upper

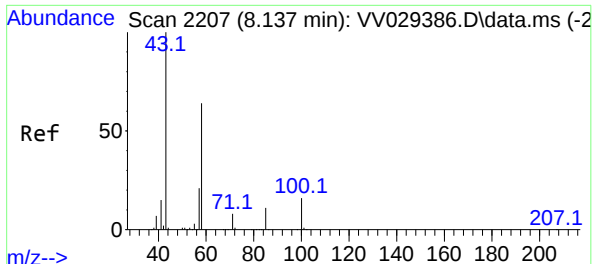
164 100

129 96.6 61.7 114.7

131 91.0 62.9 116.9

166 127.8 88.5 164.3

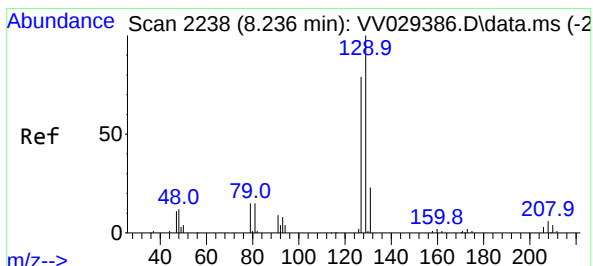
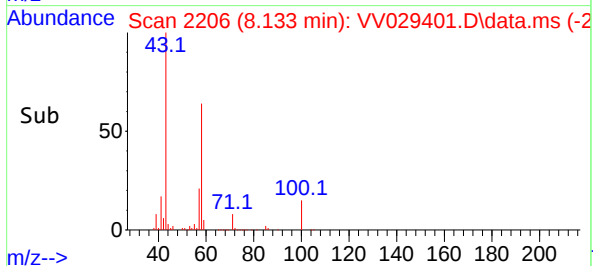
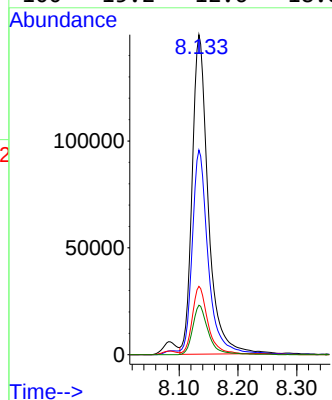
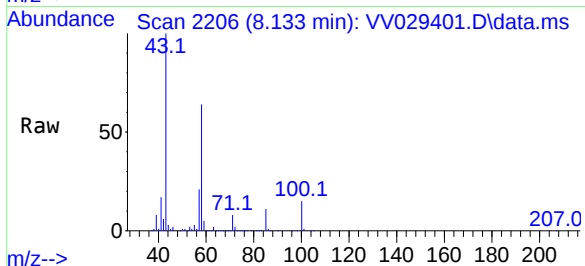




#48
2-Hexanone
Concen: 55.652 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

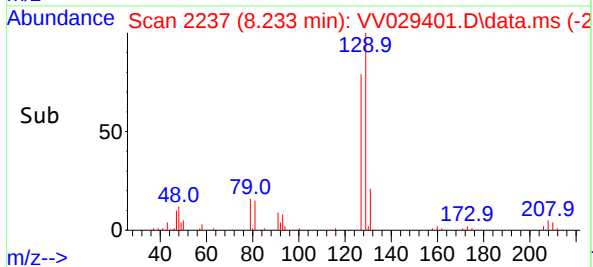
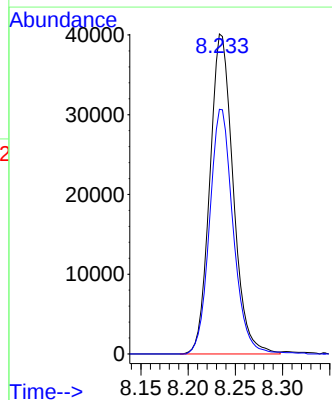
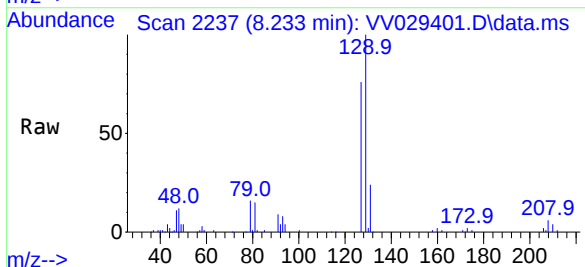
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

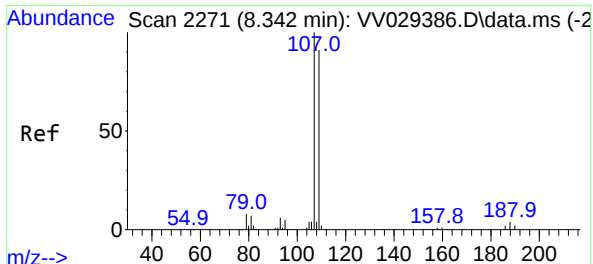
Tgt Ion: 43 Resp: 283917
Ion Ratio Lower Upper
43 100
58 64.1 49.4 74.0
57 20.6 16.9 25.3
100 15.2 12.6 18.8



#49
Dibromochloromethane
Concen: 5.795 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 129 Resp: 69024
Ion Ratio Lower Upper
129 100
127 76.5 53.1 98.7



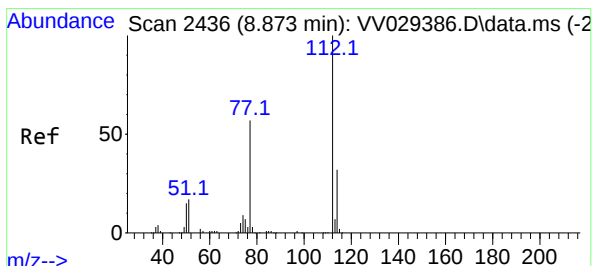
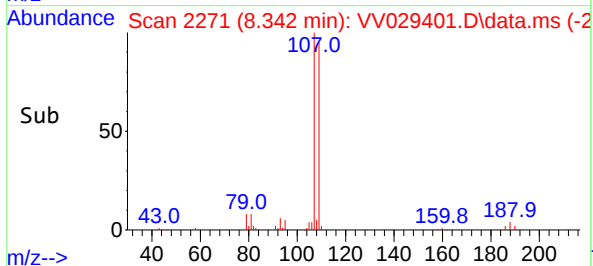
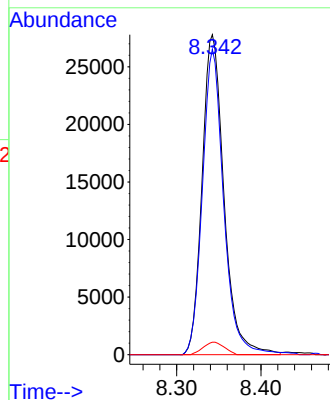
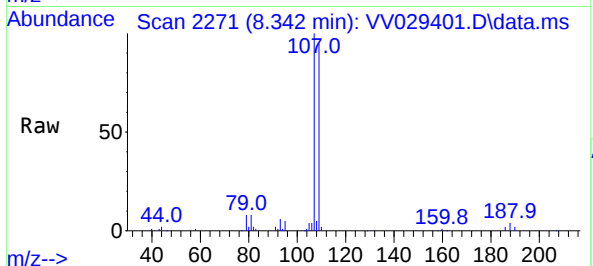


#50
1,2-Dibromoethane
Concen: 5.426 ug/L
RT: 8.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

Tgt Ion:107 Resp: 50133

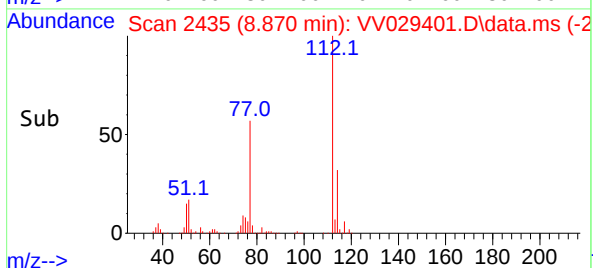
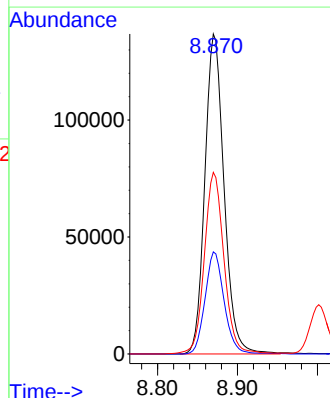
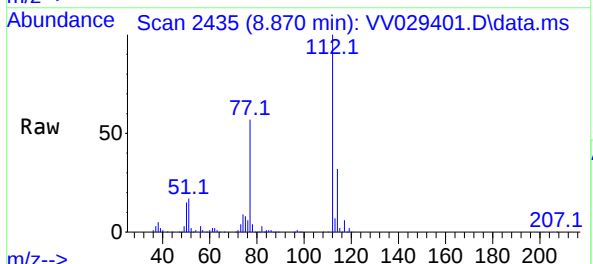
Ion	Ratio	Lower	Upper
107	100		
109	95.5	64.0	118.8
188	3.9	3.0	4.4

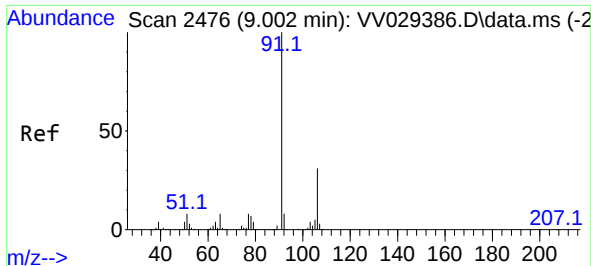


#51
Chlorobenzene
Concen: 5.138 ug/L
RT: 8.870 min Scan# 2435
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:112 Resp: 228843

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	56.8	45.3	67.9

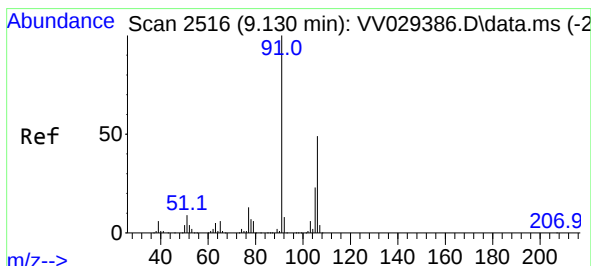
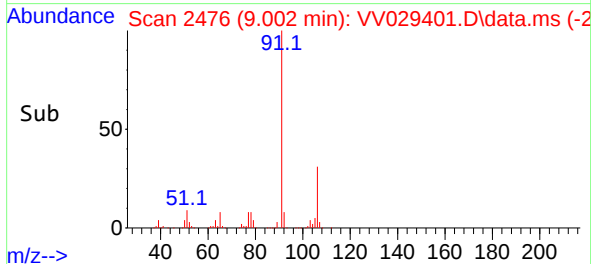
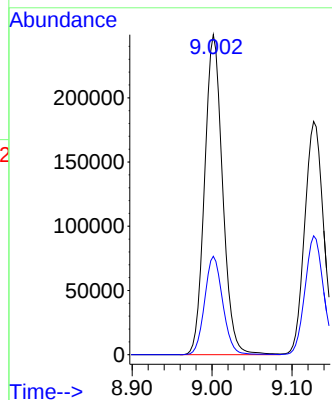
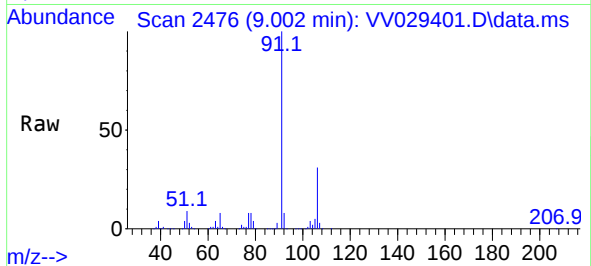




#52
Ethylbenzene
Concen: 5.262 ug/L
RT: 9.002 min Scan# 2476
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

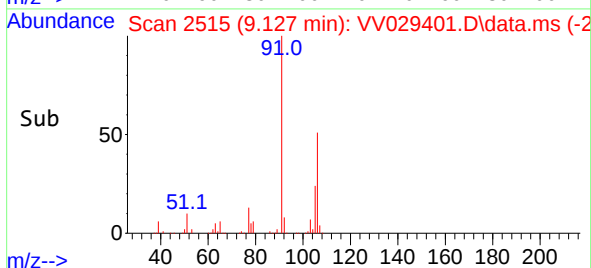
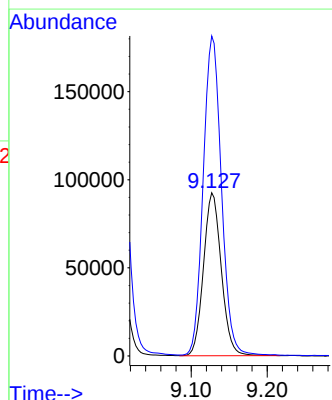
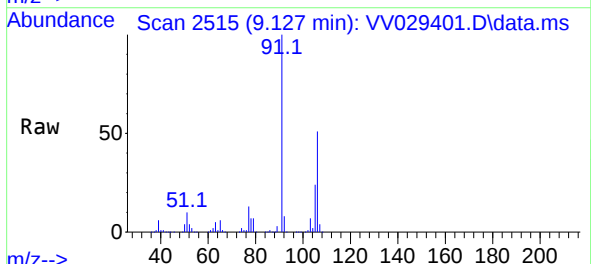
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

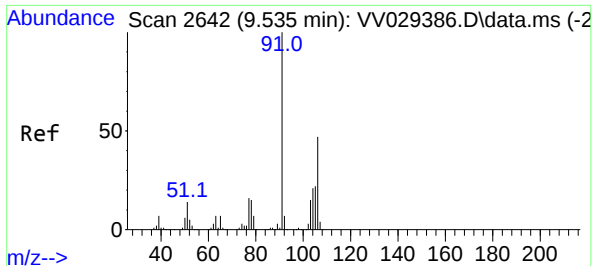
Tgt Ion: 91 Resp: 390872
Ion Ratio Lower Upper
91 100
106 30.7 21.9 40.7



#53
m,p-Xylene
Concen: 5.137 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 106 Resp: 150515
Ion Ratio Lower Upper
106 100
91 196.1 140.6 261.2

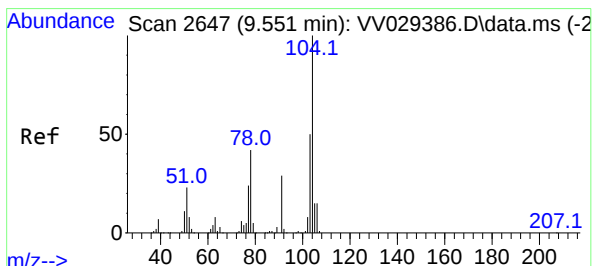
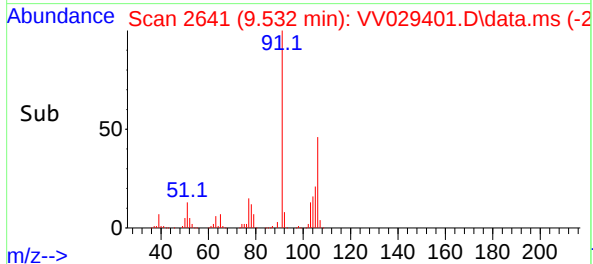
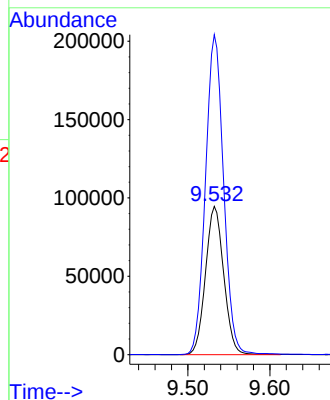
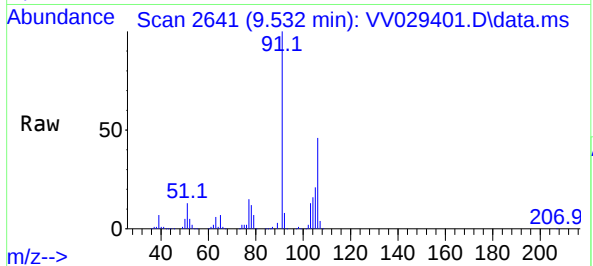




#54
o-Xylene
Concen: 5.074 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

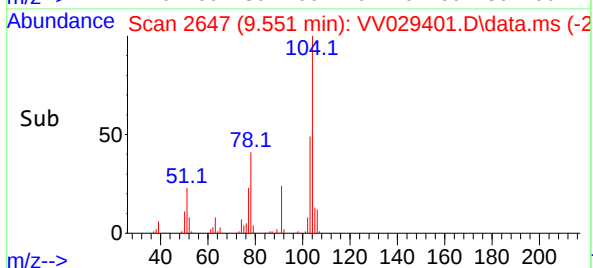
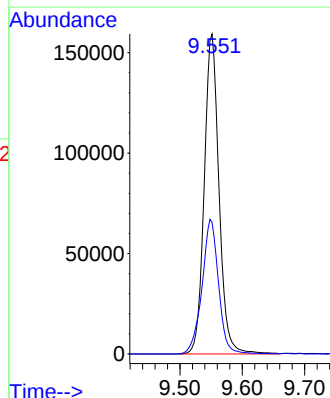
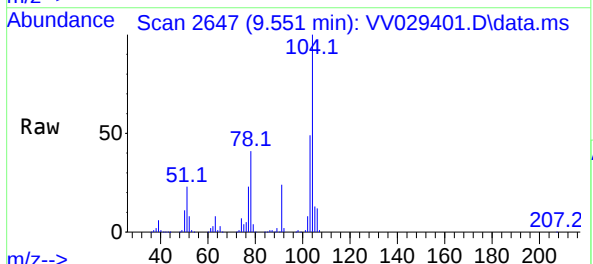
Instrument : MSVOA_V
ClientSampleId : VSTD005377

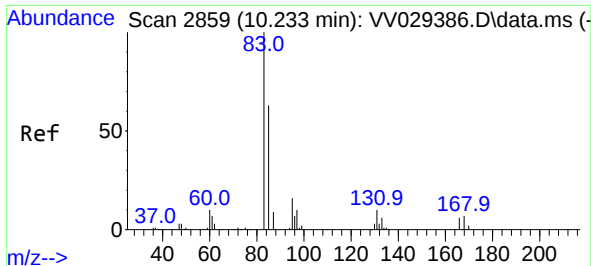
Tgt Ion:106 Resp: 146034
Ion Ratio Lower Upper
106 100
91 215.6 146.9 272.9



#55
Styrene
Concen: 5.412 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:104 Resp: 262942
Ion Ratio Lower Upper
104 100
78 41.2 29.9 55.5

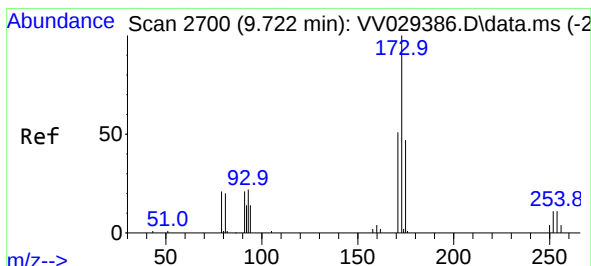
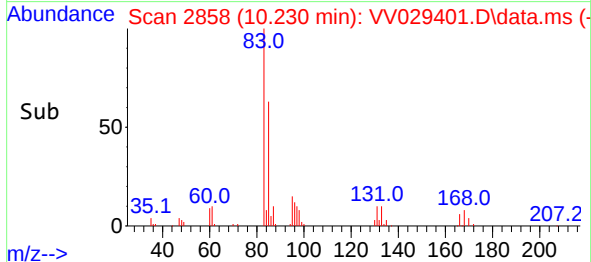
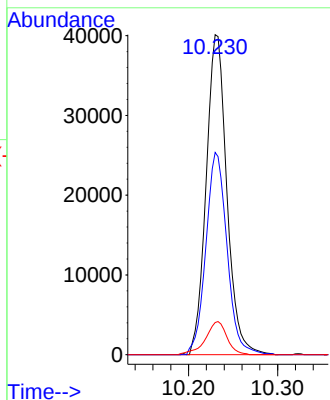
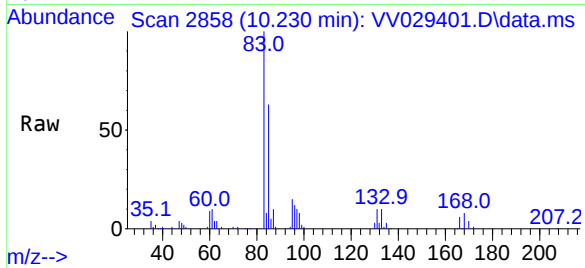




#57
1,1,2,2-Tetrachloroethane
Concen: 5.907 ug/L
RT: 10.230 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

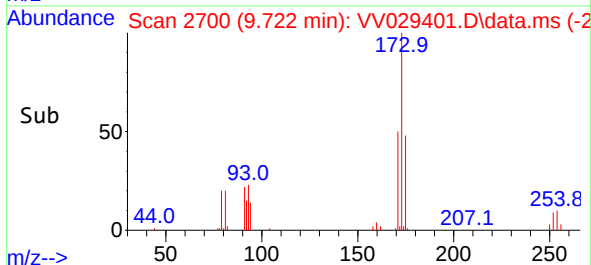
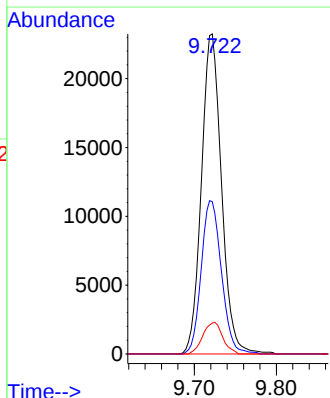
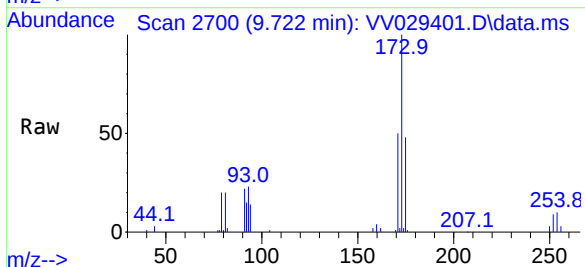
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

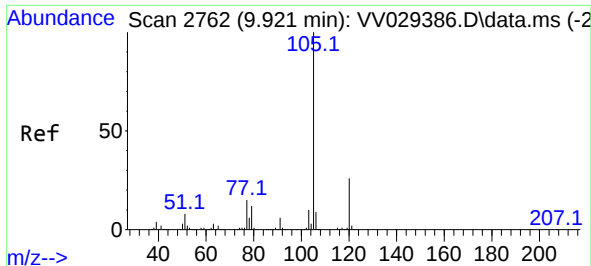
Tgt Ion: 83 Resp: 64712
Ion Ratio Lower Upper
83 100
85 63.2 45.5 84.5
131 10.1 8.2 12.2



#59
Bromoform
Concen: 6.436 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 173 Resp: 39561
Ion Ratio Lower Upper
173 100
175 48.1 38.6 58.0
254 9.7 8.3 12.5

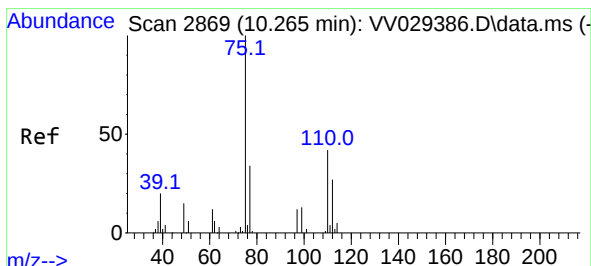
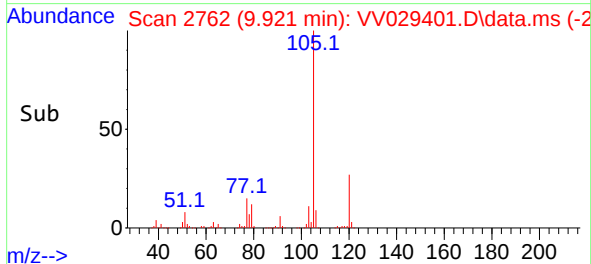
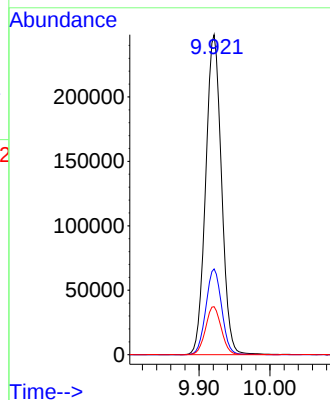
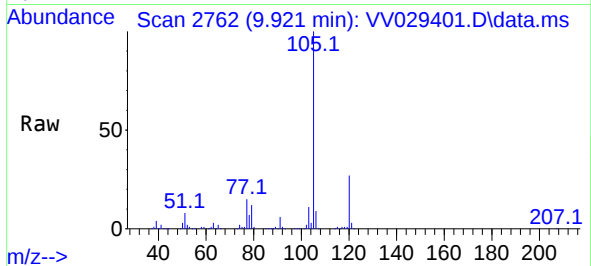




#60
Isopropylbenzene
Concen: 5.085 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

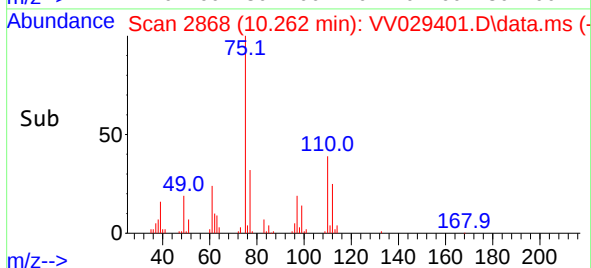
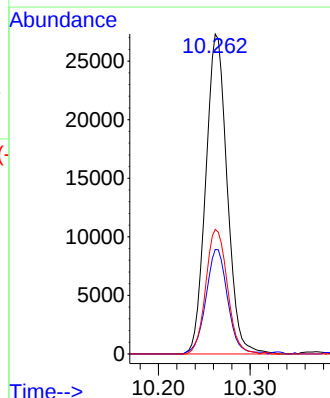
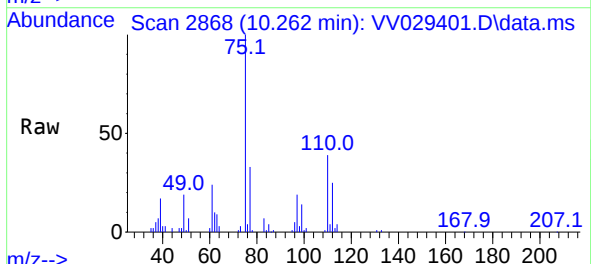
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

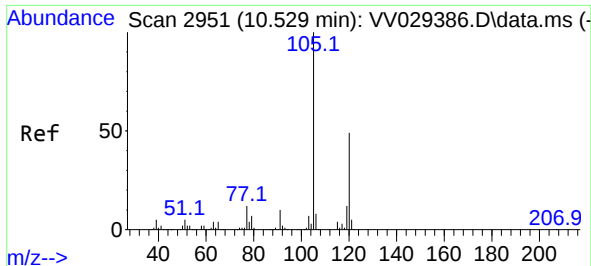
Tgt Ion:105 Resp: 384684
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.454 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion: 75 Resp: 44255
Ion Ratio Lower Upper
75 100
77 33.3 26.7 40.1
110 39.2 32.2 48.4

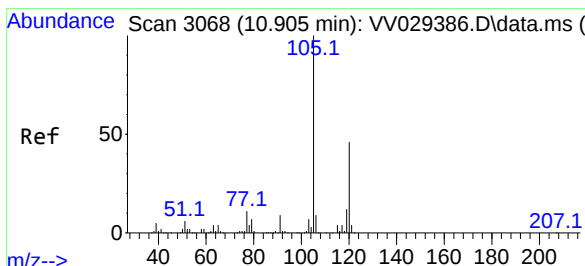
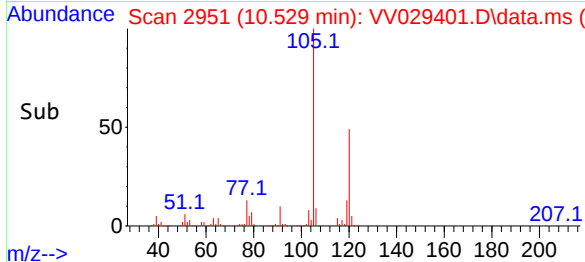
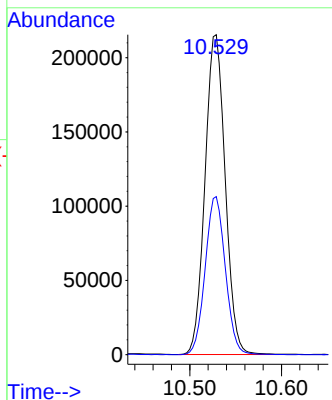
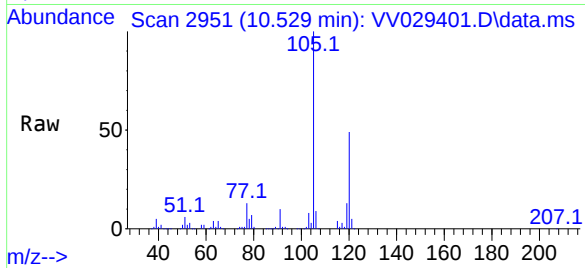




#62
1,3,5-Trimethylbenzene
Concen: 5.034 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

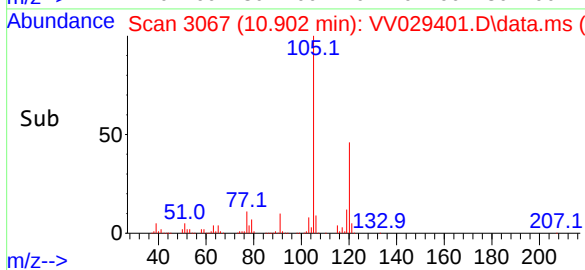
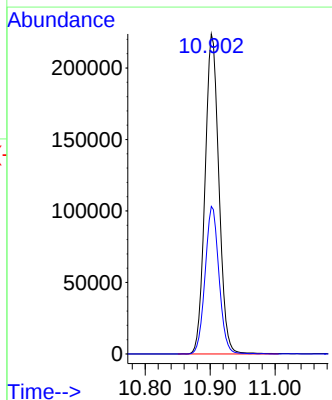
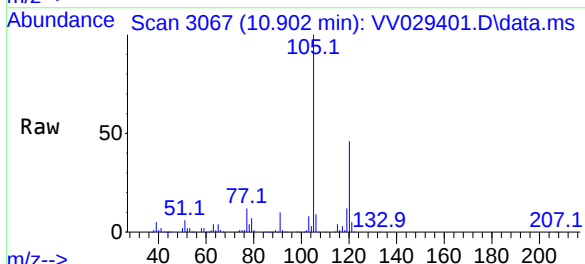
Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

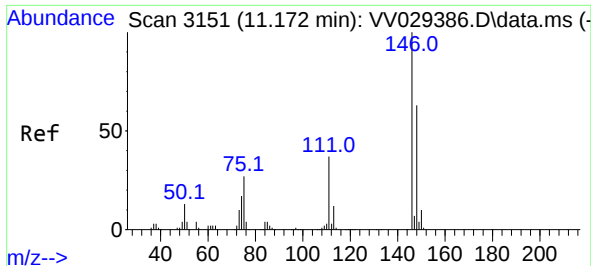
Tgt Ion:105 Resp: 329699
Ion Ratio Lower Upper
105 100
120 49.4 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 5.054 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:105 Resp: 332963
Ion Ratio Lower Upper
105 100
120 46.1 37.2 55.8



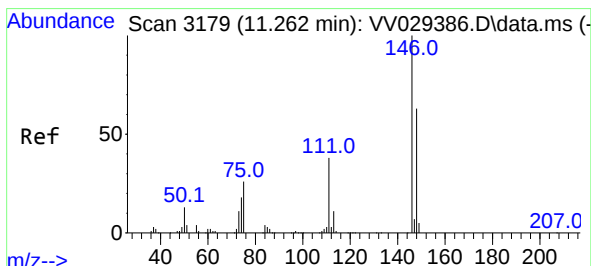
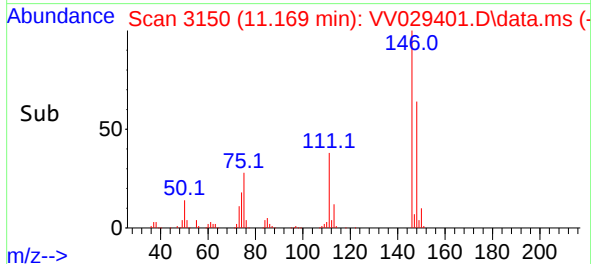
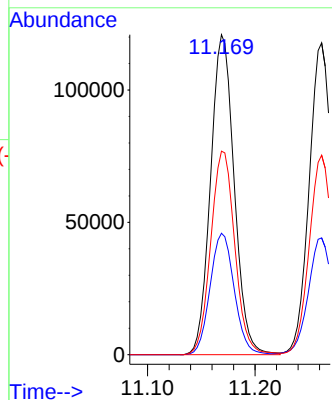
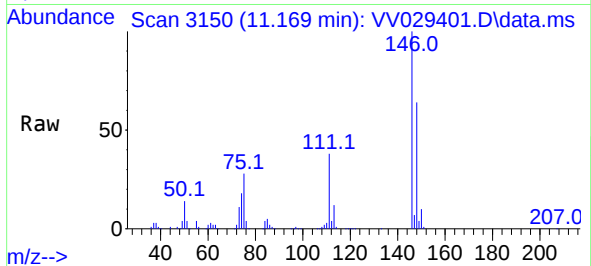


#64
1,3-Dichlorobenzene
Concen: 5.239 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

Tgt Ion:146 Resp: 184897

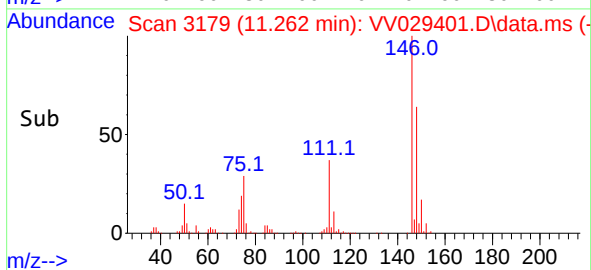
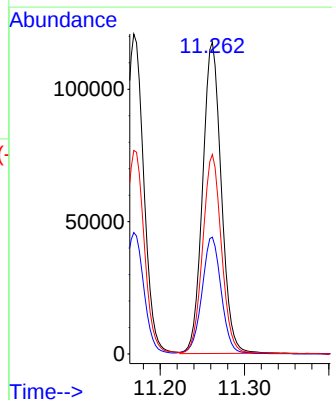
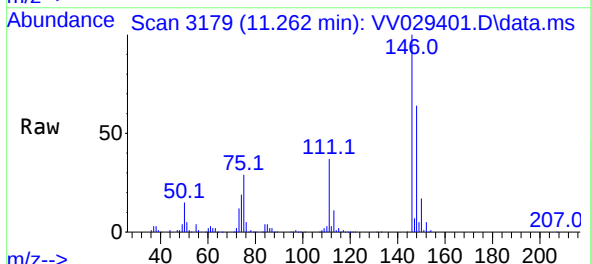
Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.3	48.9
148	63.6	44.4	82.4

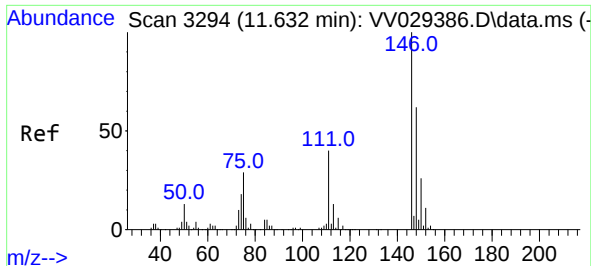


#65
1,4-Dichlorobenzene
Concen: 5.201 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:146 Resp: 181580

Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.0	48.4
148	64.0	44.7	82.9





#67

1,2-Dichlorobenzene

Concen: 5.193 ug/L

RT: 11.632 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD005377

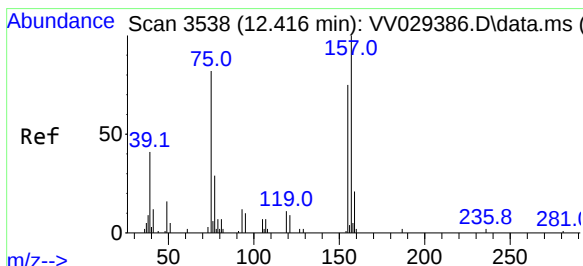
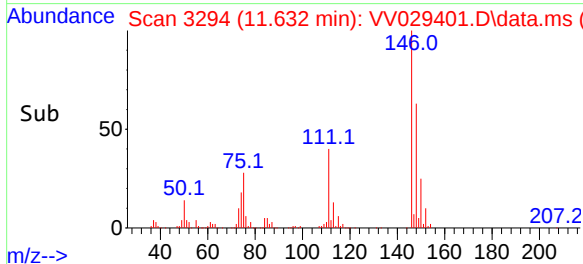
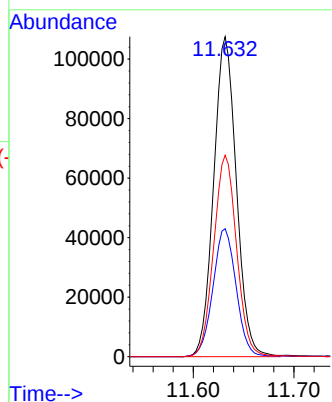
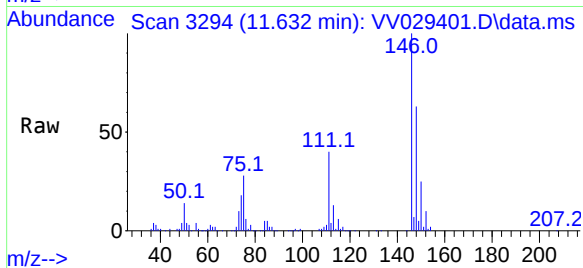
Tgt Ion:146 Resp: 168855

Ion Ratio Lower Upper

146 100

111 40.0 33.5 50.3

148 63.0 50.7 76.1



#68

1,2-Dibromo-3-chloropropane

Concen: 6.229 ug/L

RT: 12.416 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VV029401.D

Acq: 05 Dec 2022 14:22

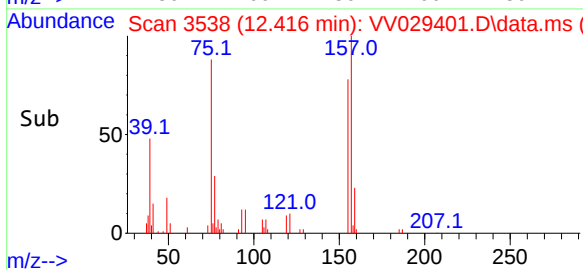
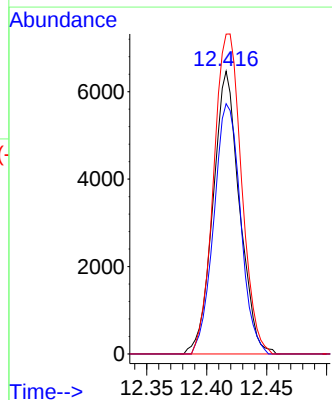
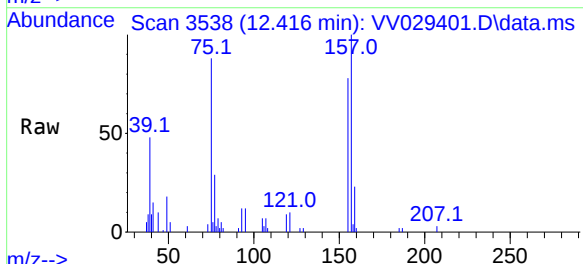
Tgt Ion: 75 Resp: 9927

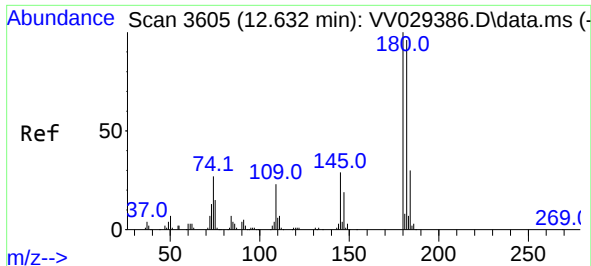
Ion Ratio Lower Upper

75 100

155 88.5 76.6 115.0

157 113.1 96.9 145.3

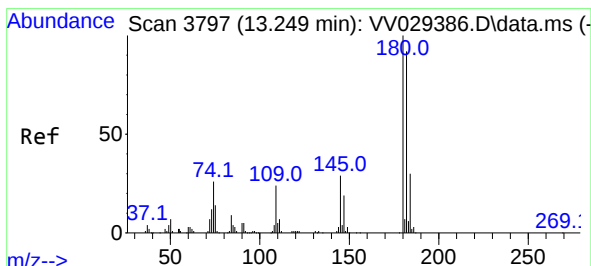
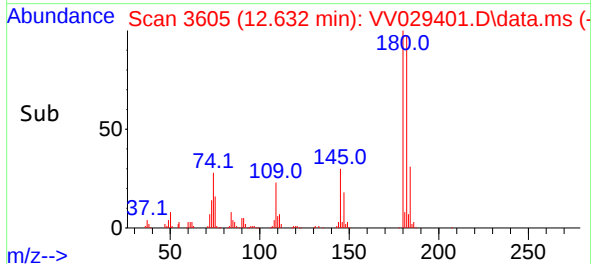
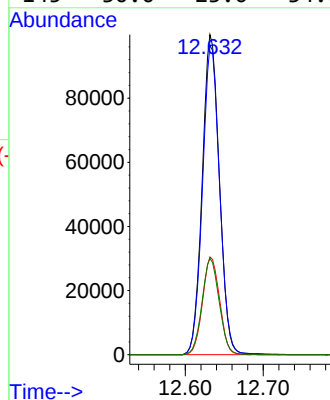
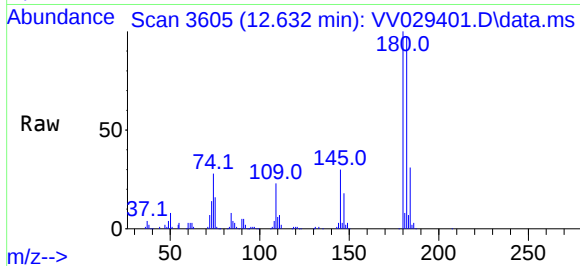




#69
 1,3,5-Trichlorobenzene
 Concen: 5.244 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. 0.000 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

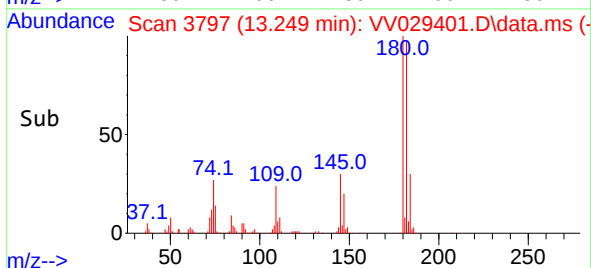
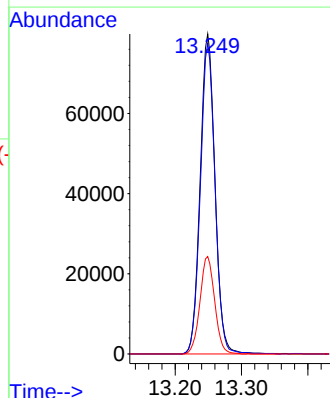
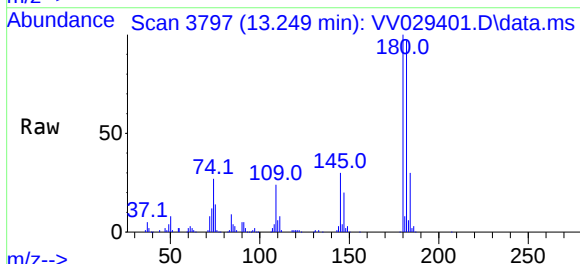
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005377

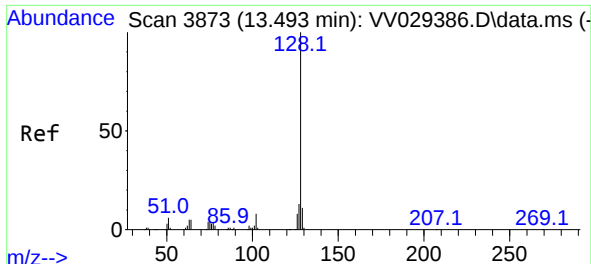
Tgt Ion:	180	Resp:	152458
Ion Ratio	Lower	Upper	
180	100		
182	96.6	77.0	115.6
184	30.3	24.4	36.6
145	30.0	23.0	34.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.251 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV029401.D
 Acq: 05 Dec 2022 14:22

Tgt Ion:	180	Resp:	123704
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.2	114.4
145	30.2	23.4	35.0

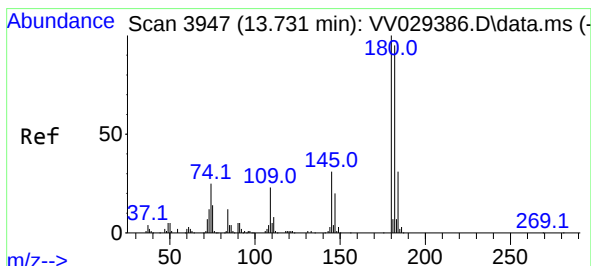
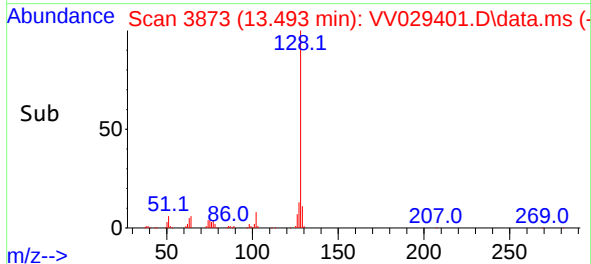
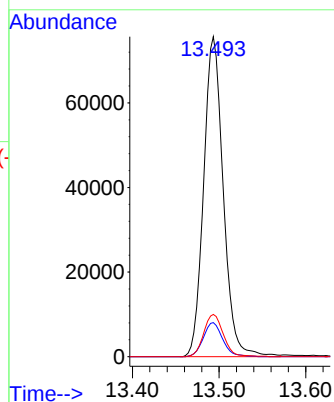
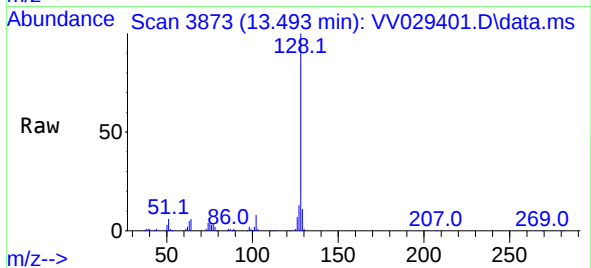




#71
Naphthalene
Concen: 5.839 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD005377

Tgt Ion:128 Resp: 119088
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.314 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV029401.D
Acq: 05 Dec 2022 14:22

Tgt Ion:180 Resp: 101920
Ion Ratio Lower Upper
180 100
182 94.8 75.0 112.4
145 30.8 25.2 37.8

