

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078098.D
 Acq On : 29 Dec 2023 09:22
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 29 22:30:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	166788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	264927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	246384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71677	48.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.600%
35) Dibromofluoromethane	7.810	113	79492	46.633	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.260%
50) Toluene-d8	10.269	98	289288	48.230	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.575	95	95815	49.647	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	56733	39.689	ug/l	100
3) Chloromethane	2.152	50	85975	43.613	ug/l	99
4) Vinyl Chloride	2.293	62	129081	43.441	ug/l	97
5) Bromomethane	2.699	94	98020	41.143	ug/l	98
6) Chloroethane	2.846	64	97484	44.645	ug/l	97
7) Trichlorofluoromethane	3.187	101	136125	47.596	ug/l	99
8) Diethyl Ether	3.593	74	39694	50.613	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.975	101	84831	47.622	ug/l	100
10) Methyl Iodide	4.169	142	81954	48.959	ug/l	95
11) Tert butyl alcohol	5.052	59	21894	329.907	ug/l	96
12) 1,1-Dichloroethene	3.946	96	75005	47.587	ug/l	89
13) Acrolein	3.799	56	13644	174.563	ug/l	99
14) Allyl chloride	4.569	41	90825	47.673	ug/l	94
15) Acrylonitrile	5.257	53	85365	260.212	ug/l	97
16) Acetone	4.022	43	92291	312.405	ug/l	92
17) Carbon Disulfide	4.275	76	193904	49.789	ug/l	98
18) Methyl Acetate	4.558	43	68671	56.460	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	182945	52.443	ug/l	96
20) Methylene Chloride	4.805	84	95119	52.460	ug/l	91
21) trans-1,2-Dichloroethene	5.316	96	89478	49.385	ug/l	91
22) Diisopropyl ether	6.216	45	218769	51.410	ug/l	98
23) Vinyl Acetate	6.157	43	491910	302.363	ug/l	96
24) 1,1-Dichloroethane	6.116	63	150509	47.793	ug/l	98
25) 2-Butanone	7.081	43	110910	283.945	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	134906	47.682	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	105904	49.269	ug/l	96
28) Bromochloromethane	7.422	49	57005	50.596	ug/l	97
29) Tetrahydrofuran	7.440	42	58632	255.218	ug/l	97
30) Chloroform	7.599	83	167705	49.140	ug/l	94
31) Cyclohexane	7.875	56	108454	45.811	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	147836	50.403	ug/l	98
36) 1,1-Dichloropropene	8.010	75	119750	49.928	ug/l	98
37) Ethyl Acetate	7.169	43	39702	49.770	ug/l #	75
38) Carbon Tetrachloride	7.993	117	131320	50.528	ug/l	95
39) Methylcyclohexane	9.275	83	136528	49.650	ug/l	98
40) Benzene	8.251	78	354078	51.220	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	23967	47.491	ug/l	97
42) 1,2-Dichloroethane	8.328	62	96486	51.647	ug/l	95
43) Isopropyl Acetate	8.357	43	82933	51.929	ug/l	95
44) Trichloroethene	9.028	130	100362	50.463	ug/l	97
45) 1,2-Dichloropropane	9.304	63	88268	50.390	ug/l	93
46) Dibromomethane	9.398	93	52315	53.323	ug/l	97
47) Bromodichloromethane	9.587	83	132475	51.982	ug/l	96
48) Methyl methacrylate	9.381	41	48149	53.496	ug/l	87
49) 1,4-Dioxane	9.387	88	10575	1140.205	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	220387	268.937	ug/l	94
52) Toluene	10.334	92	235550	52.535	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	119593	51.723	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	142373	51.274	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	74395	53.885	ug/l	94
56) Ethyl methacrylate	10.598	69	60623	55.331	ug/l	96
57) 1,3-Dichloropropane	10.881	76	117387	51.749	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	127509	268.802	ug/l	98
59) 2-Hexanone	10.922	43	168650	264.948	ug/l	94
60) Dibromochloromethane	11.075	129	94381	53.661	ug/l	96
61) 1,2-Dibromoethane	11.181	107	67843	51.255	ug/l	97
64) Tetrachloroethene	10.810	164	84068	50.496	ug/l	95
65) Chlorobenzene	11.610	112	262284	50.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	101176	51.069	ug/l	99
67) Ethyl Benzene	11.687	91	454841	49.844	ug/l	97
68) m/p-Xylenes	11.792	106	359478	101.220	ug/l	94
69) o-Xylene	12.122	106	166481	50.296	ug/l	94
70) Styrene	12.139	104	258404	52.875	ug/l	95
71) Bromoform	12.298	173	59262	54.219	ug/l #	98
73) Isopropylbenzene	12.422	105	448806	48.359	ug/l	97
74) N-amyl acetate	12.234	43	75032	48.701	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	82975	49.193	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	102863	90.484	ug/l #	100
77) Bromobenzene	12.704	156	112107	49.655	ug/l	97
78) n-propylbenzene	12.763	91	530815	47.516	ug/l	99
79) 2-Chlorotoluene	12.851	91	293309	48.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	377166	49.134	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26607	50.433	ug/l	99
82) 4-Chlorotoluene	12.951	91	307241	47.427	ug/l	99
83) tert-Butylbenzene	13.169	119	334982	48.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	387165	49.517	ug/l	99
85) sec-Butylbenzene	13.345	105	479067	48.799	ug/l	97
86) p-Isopropyltoluene	13.463	119	437785	49.830	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	233102	49.901	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	228542	49.884	ug/l	100
89) n-Butylbenzene	13.792	91	394634	48.937	ug/l	99
90) Hexachloroethane	14.057	117	85918	48.917	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	199835	49.813	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12451	52.705	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	130609	49.866	ug/l	99
94) Hexachlorobutadiene	15.210	225	74714	50.772	ug/l	99
95) Naphthalene	15.333	128	236417	53.021	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	119277	53.671	ug/l	98

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QLast Update : Wed Dec 27 03:40:16 2023
Response via : Initial Calibration

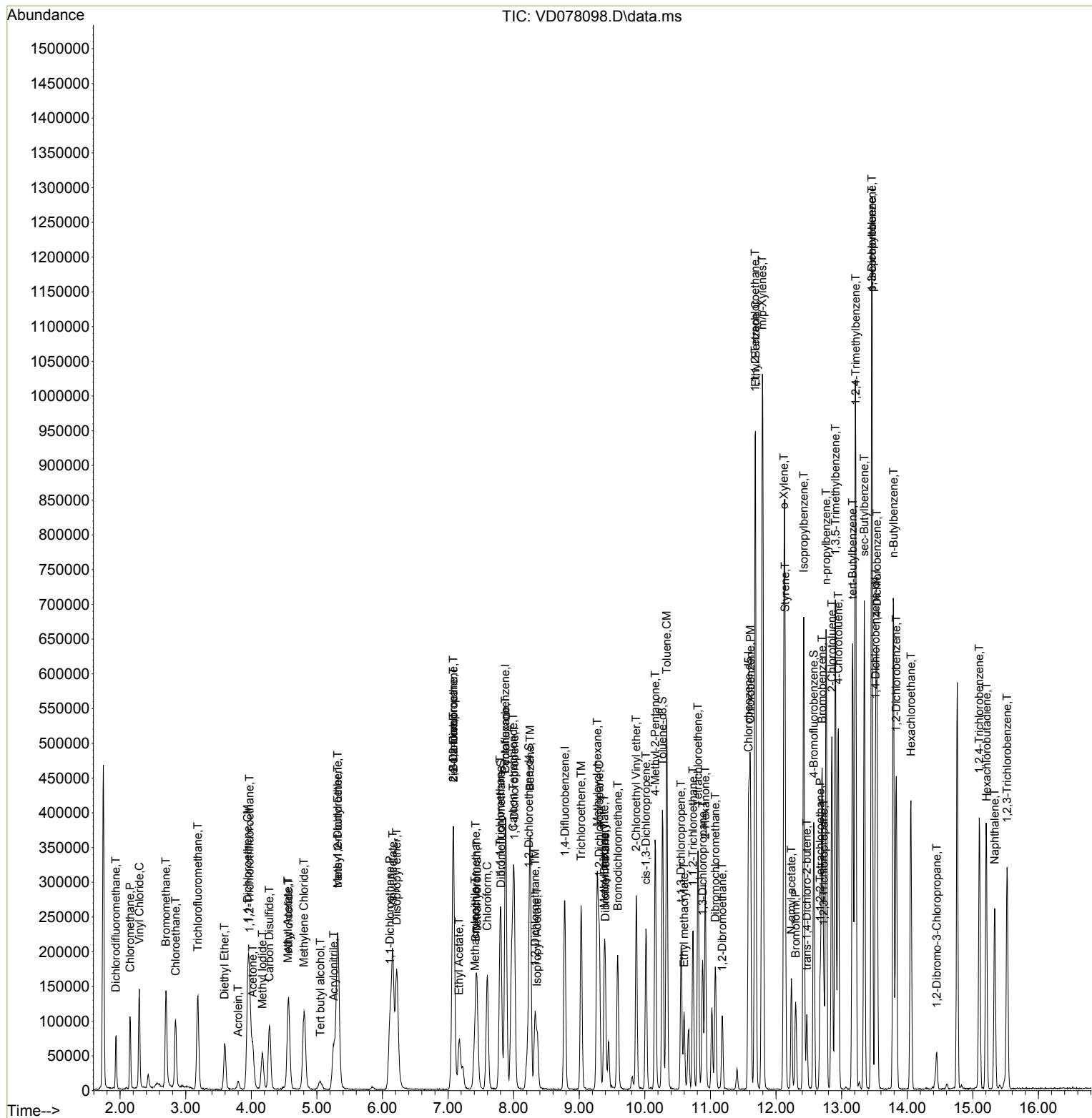
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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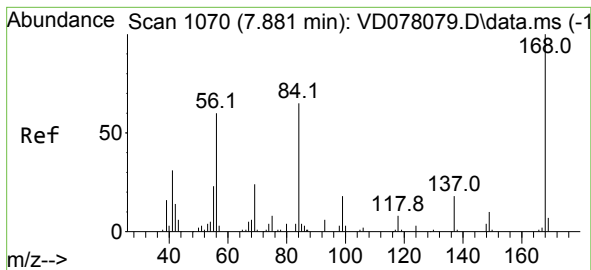
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

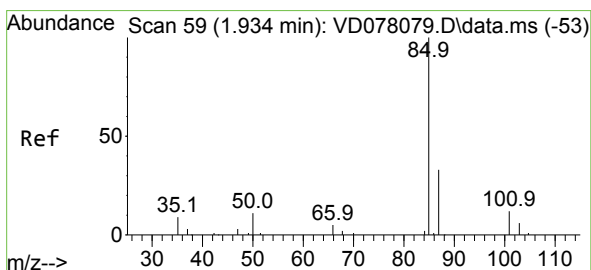
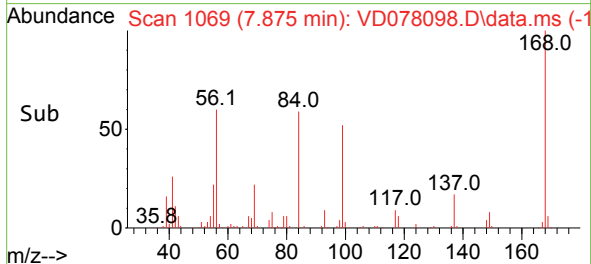
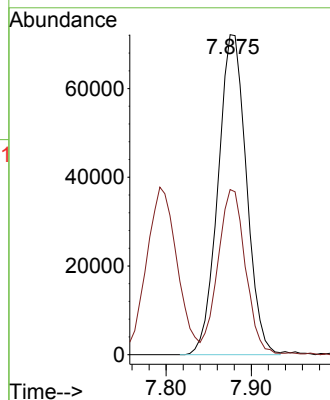
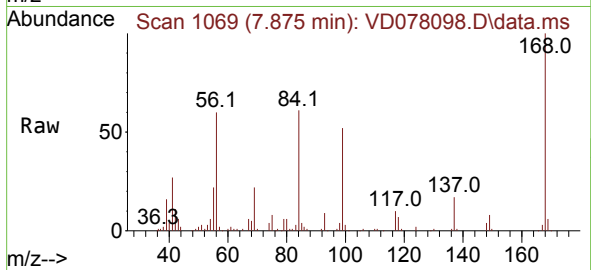
VSTDCCC050

Tgt Ion:168 Resp: 166788

Ion Ratio Lower Upper

168 100

99 51.2 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 39.689 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078098.D

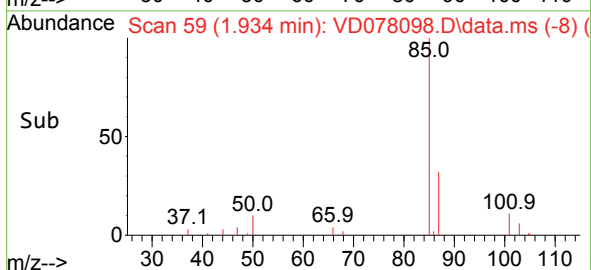
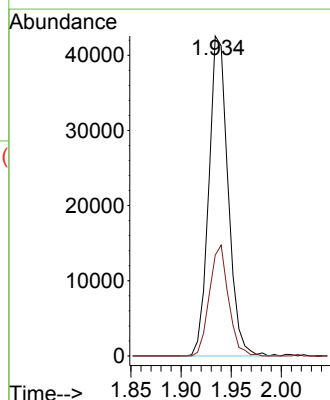
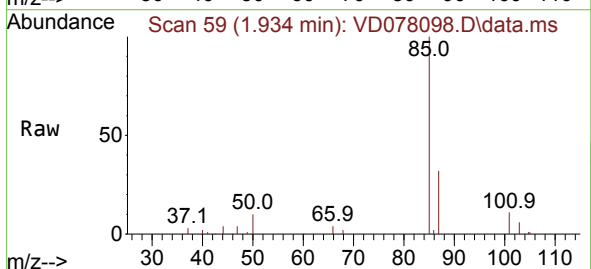
Acq: 29 Dec 2023 09:22

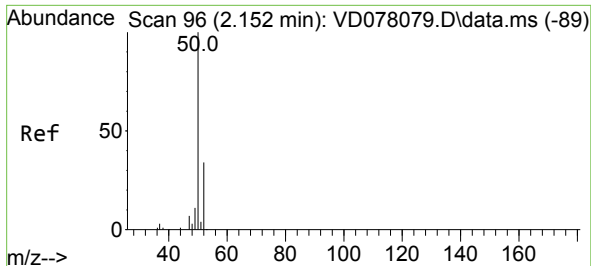
Tgt Ion: 85 Resp: 56733

Ion Ratio Lower Upper

85 100

87 31.5 15.7 47.0

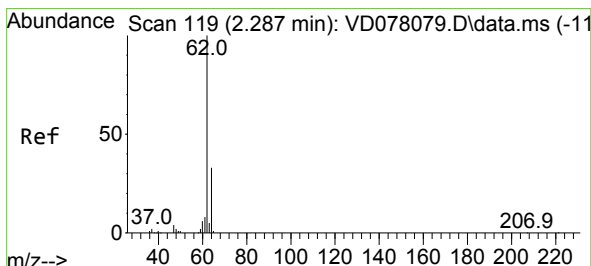
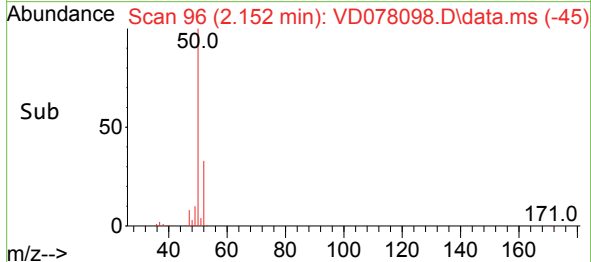
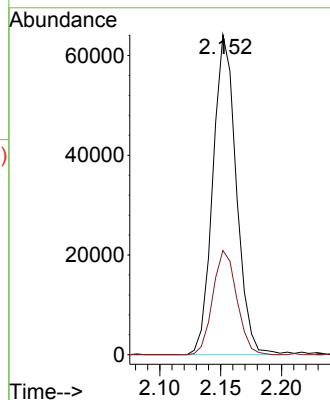
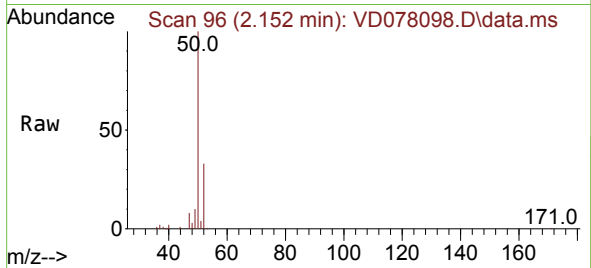




#3
Chloromethane
Concen: 43.613 ug/l
RT: 2.152 min Scan# 90
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

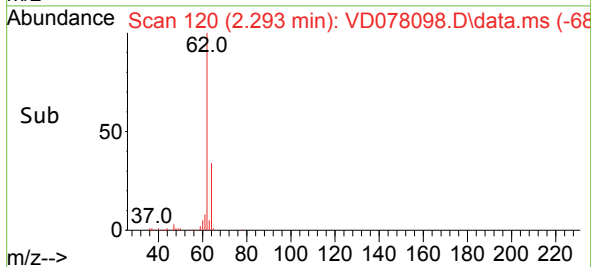
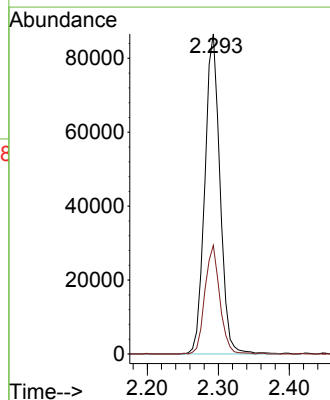
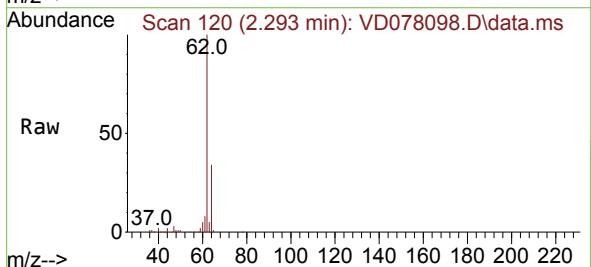
Instrument :
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VSTDCCC050

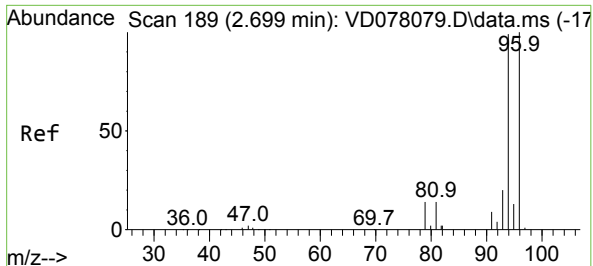
Tgt Ion: 50 Resp: 85975
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0



#4
Vinyl Chloride
Concen: 43.441 ug/l
RT: 2.293 min Scan# 120
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 62 Resp: 129081
Ion Ratio Lower Upper
62 100
64 33.9 26.0 39.0

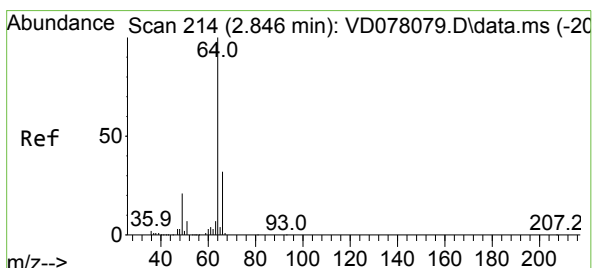
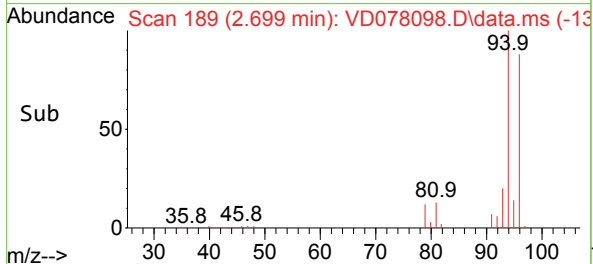
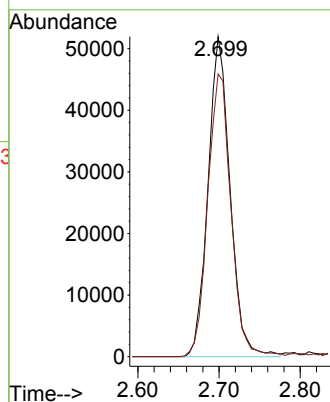
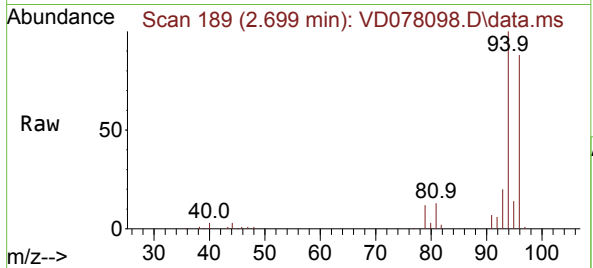




#5
Bromomethane
Concen: 41.143 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.000 min
Lab File: VD078098.D
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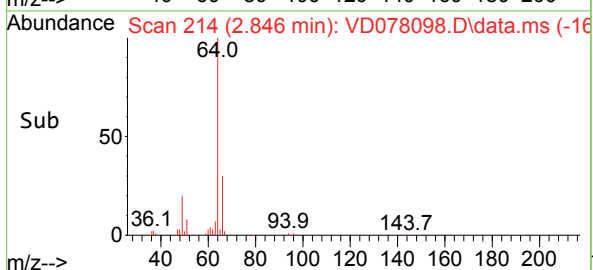
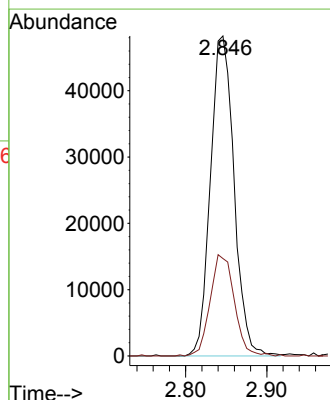
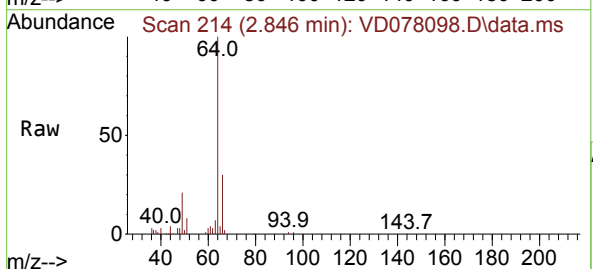
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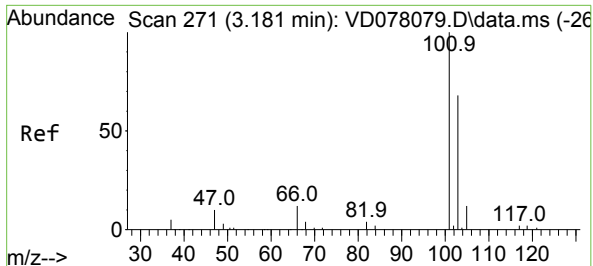
Tgt Ion: 94 Resp: 98020
Ion Ratio Lower Upper
94 100
96 92.9 75.8 113.8



#6
Chloroethane
Concen: 44.645 ug/l
RT: 2.846 min Scan# 214
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 64 Resp: 97484
Ion Ratio Lower Upper
64 100
66 30.1 25.5 38.3

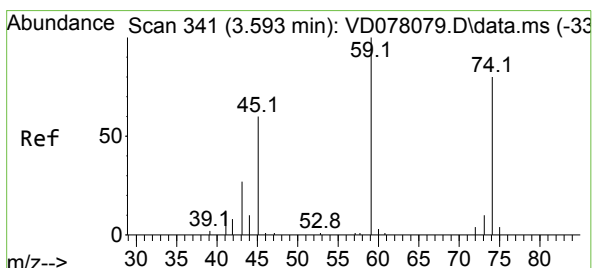
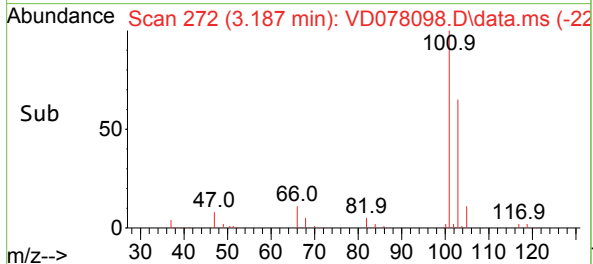
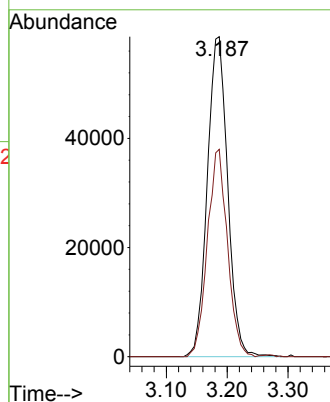
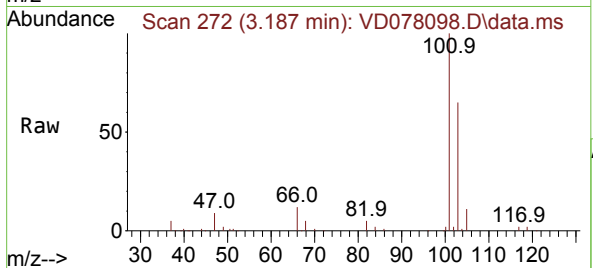




#7
Trichlorofluoromethane
Concen: 47.596 ug/l
RT: 3.187 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

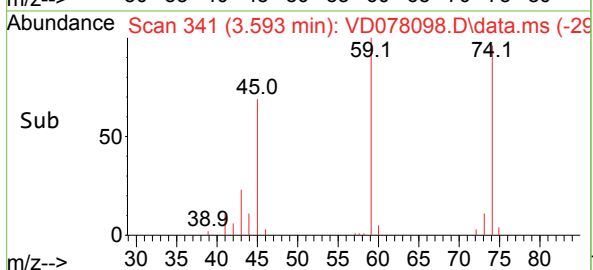
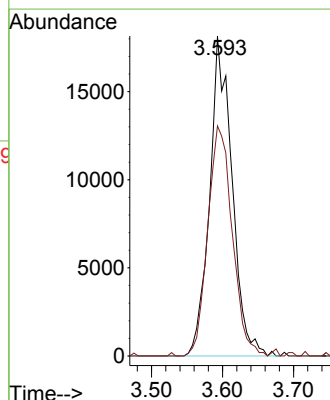
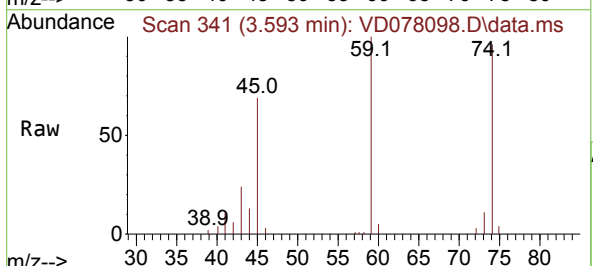
Instrument :
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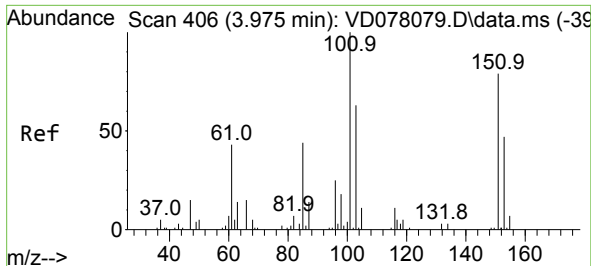
Tgt Ion:101 Resp: 136125
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5



#8
Diethyl Ether
Concen: 50.613 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD078098.D
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Tgt Ion: 74 Resp: 39694
Ion Ratio Lower Upper
74 100
45 78.7 37.5 112.7

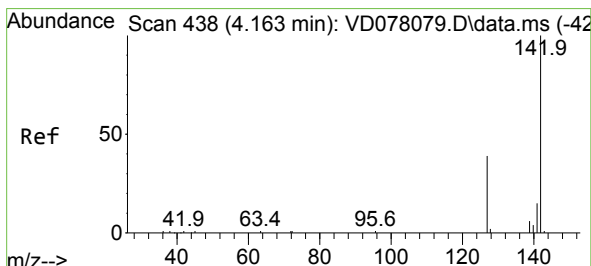
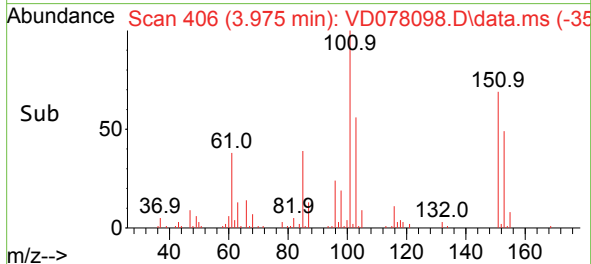
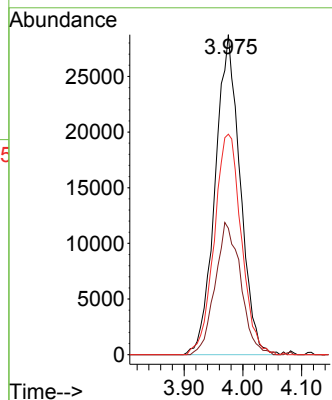
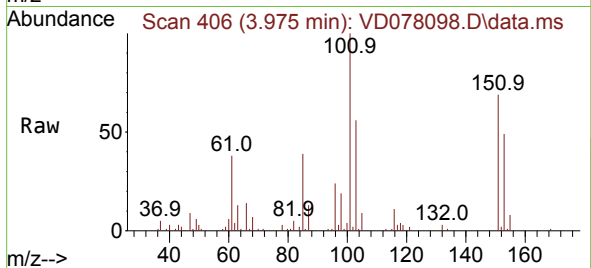




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.622 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

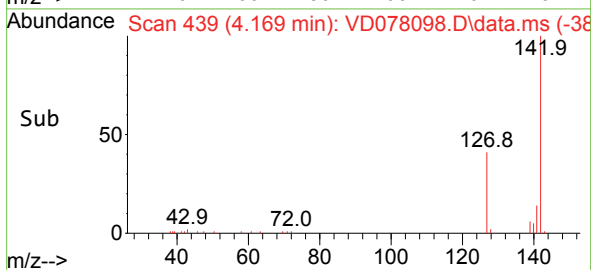
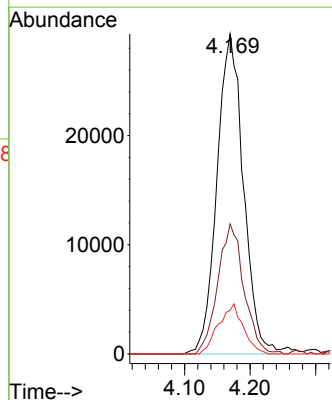
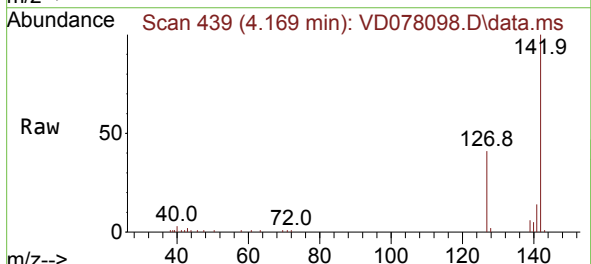
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

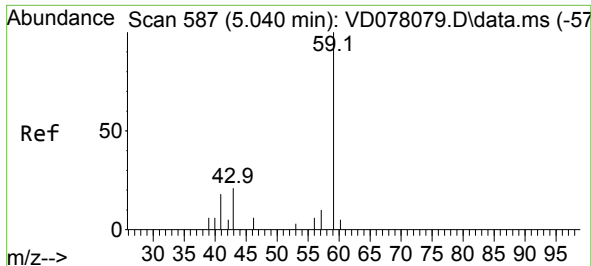
Tgt Ion:101 Resp: 84831
Ion Ratio Lower Upper
101 100
85 42.3 33.8 50.6
151 74.5 59.8 89.6



#10
Methyl Iodide
Concen: 48.959 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:142 Resp: 81954
Ion Ratio Lower Upper
142 100
127 40.3 29.4 44.0
141 14.7 11.1 16.7

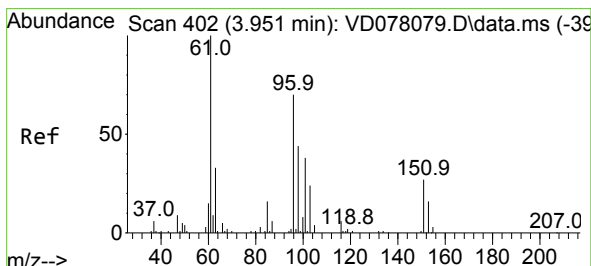
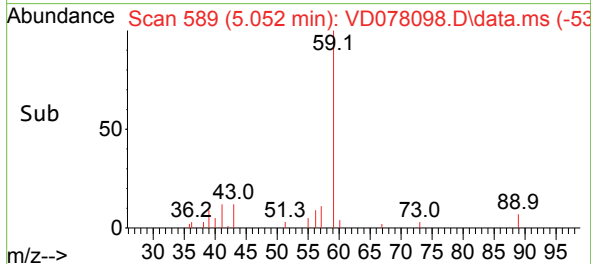
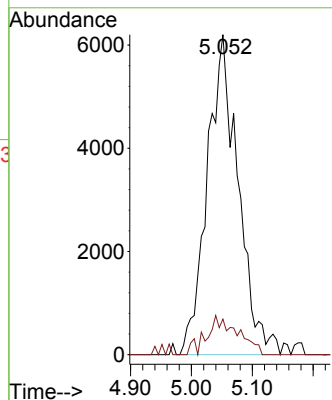
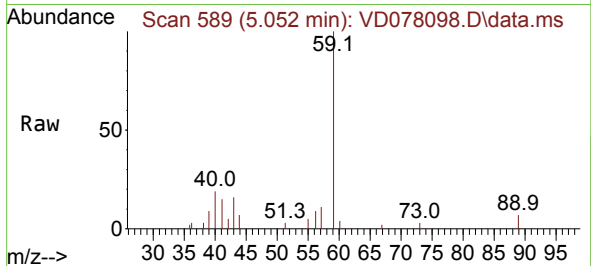




#11
Tert butyl alcohol
Concen: 329.907 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

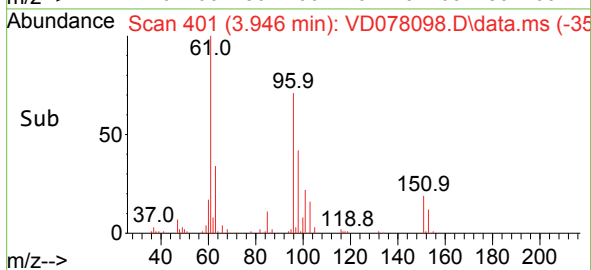
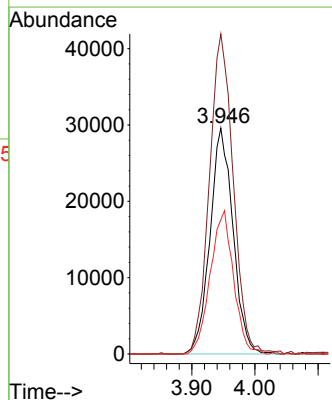
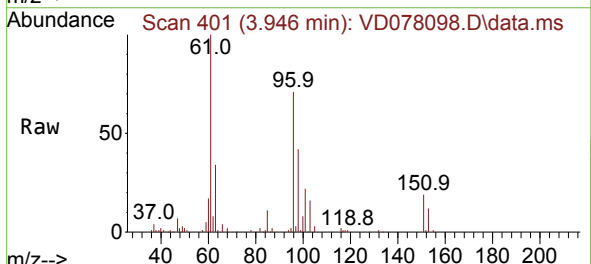
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

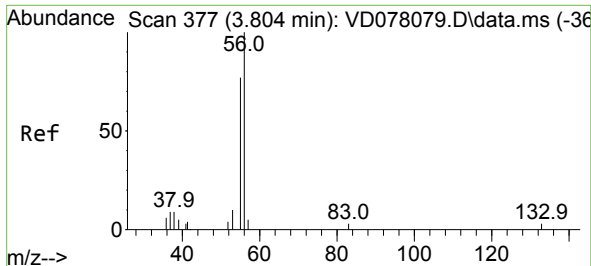
Tgt Ion: 59 Resp: 21894
Ion Ratio Lower Upper
59 100
57 11.4 7.8 11.8



#12
1,1-Dichloroethene
Concen: 47.587 ug/l
RT: 3.946 min Scan# 401
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 96 Resp: 75005
Ion Ratio Lower Upper
96 100
61 141.6 100.6 150.8
98 59.4 50.2 75.2

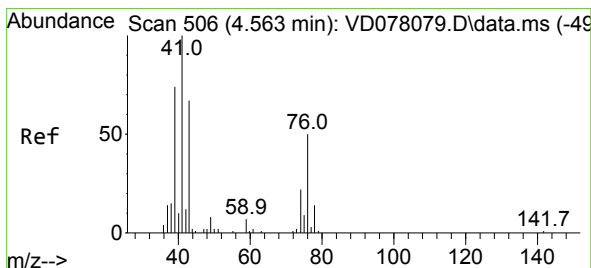
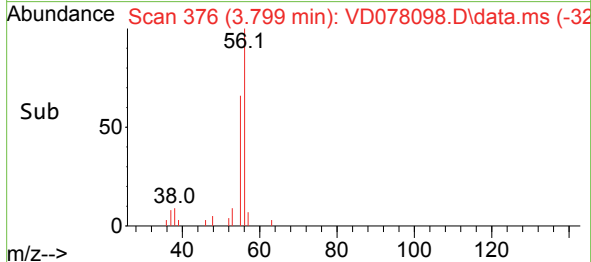
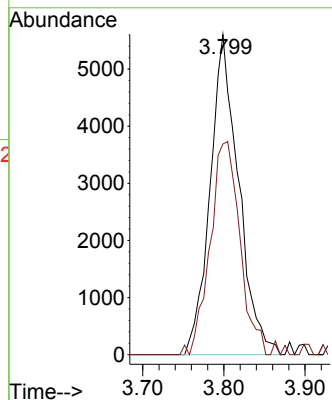
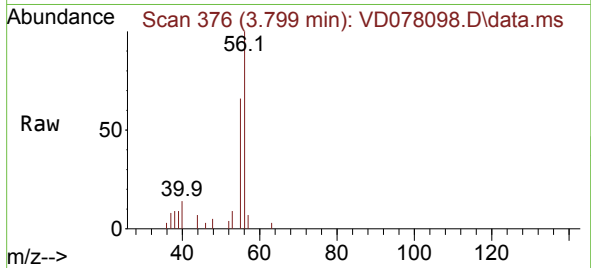




#13
Acrolein
Concen: 174.563 ug/l
RT: 3.799 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

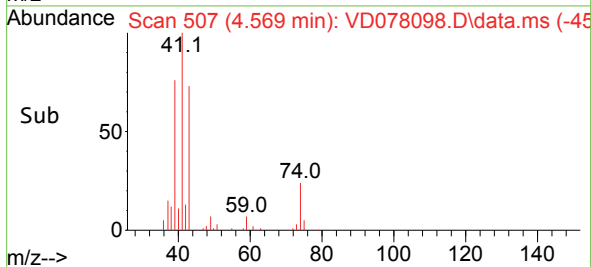
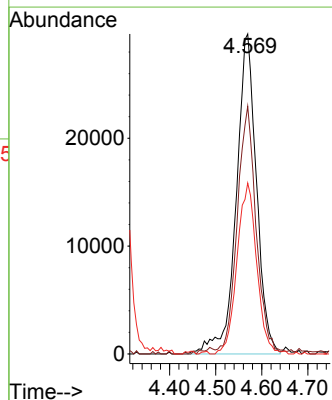
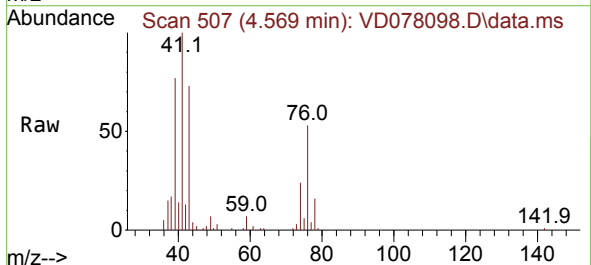
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

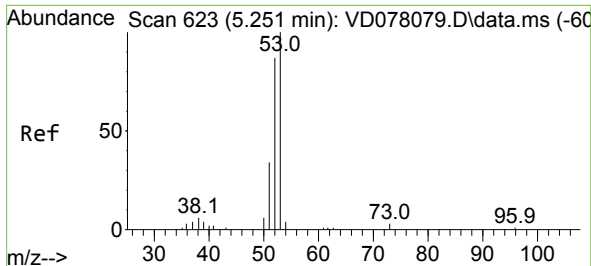
Tgt Ion: 56 Resp: 13644
Ion Ratio Lower Upper
56 100
55 69.5 55.1 82.7



#14
Allyl chloride
Concen: 47.673 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 41 Resp: 90825
Ion Ratio Lower Upper
41 100
39 71.3 53.8 80.6
76 51.8 45.8 68.8

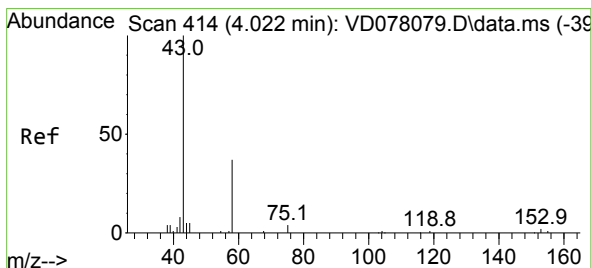
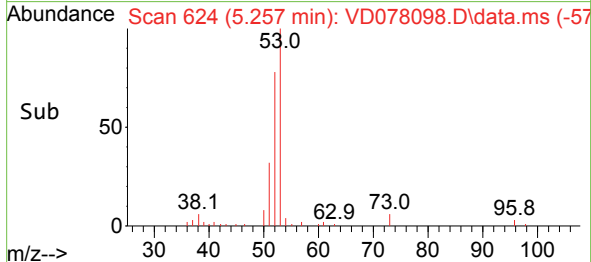
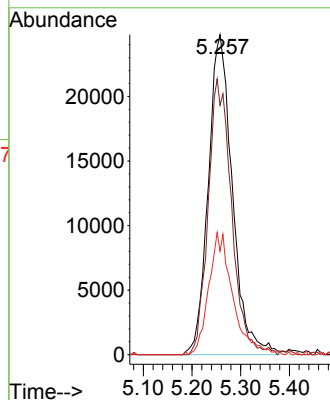
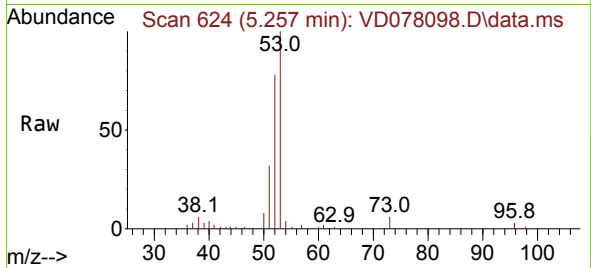




#15
Acrylonitrile
Concen: 260.212 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

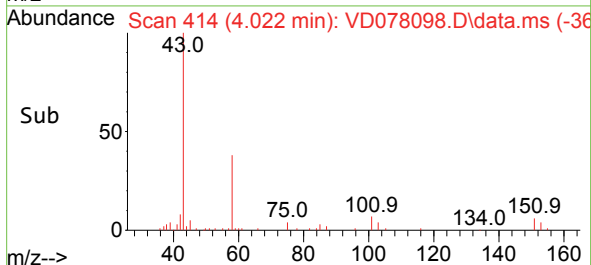
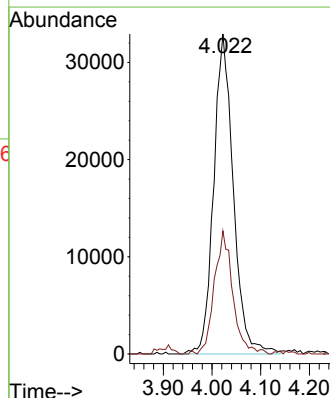
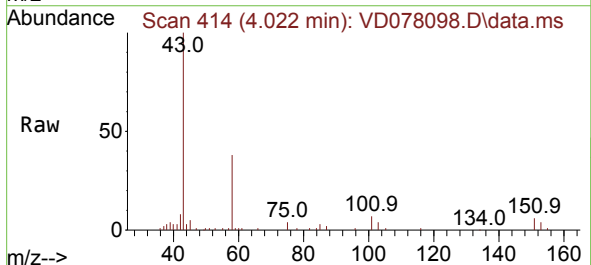
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

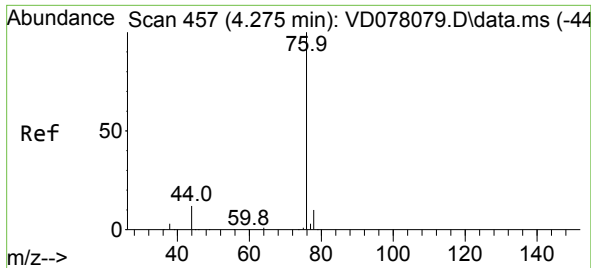
Tgt Ion: 53	Resp: 85365
Ion Ratio	Lower Upper
53	100
52	83.5 65.0 97.4
51	38.1 28.3 42.5



#16
Acetone
Concen: 312.405 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 43	Resp: 92291
Ion Ratio	Lower Upper
43	100
58	38.5 34.7 52.1

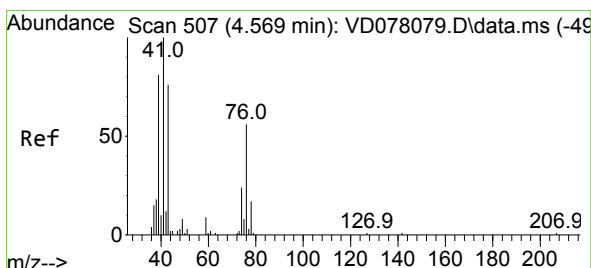
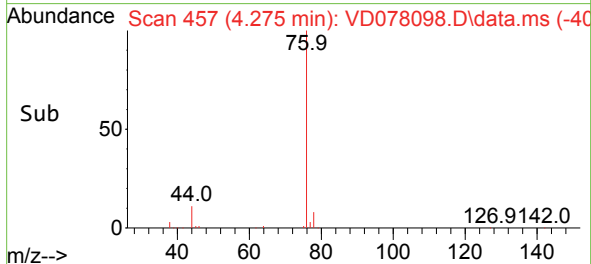
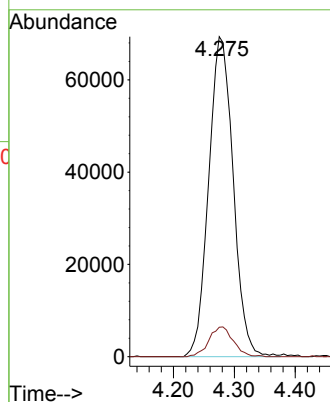
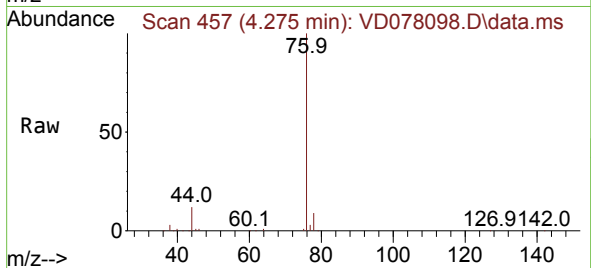




#17
Carbon Disulfide
Concen: 49.789 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

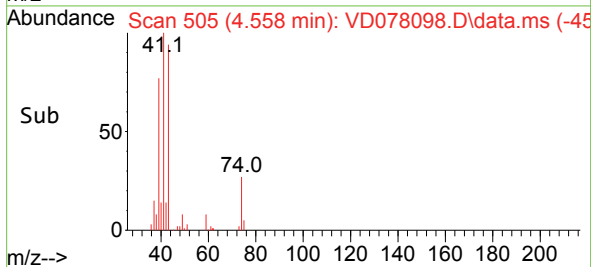
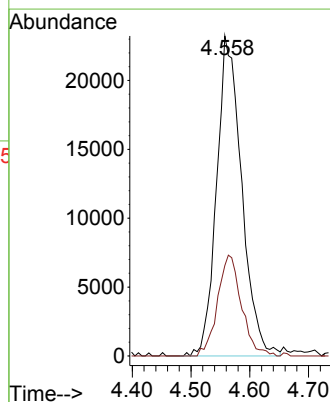
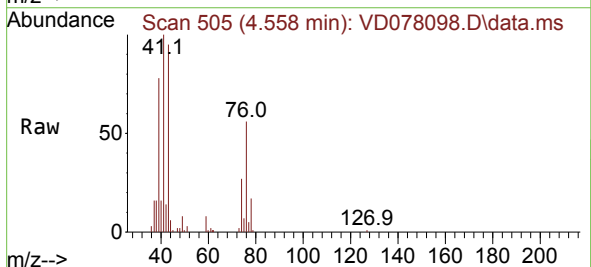
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

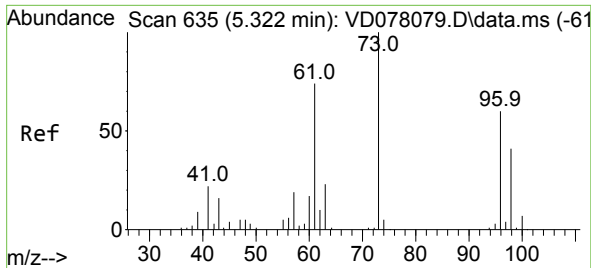
Tgt Ion: 76 Resp: 193904
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 56.460 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.012 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 43 Resp: 68671
Ion Ratio Lower Upper
43 100
74 30.2 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 52.443 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

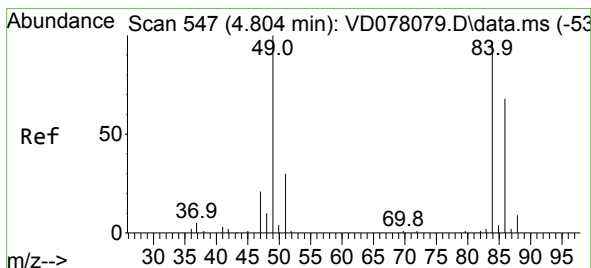
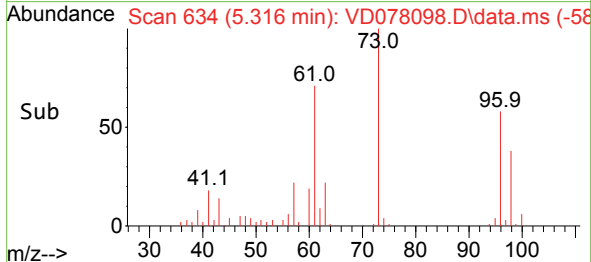
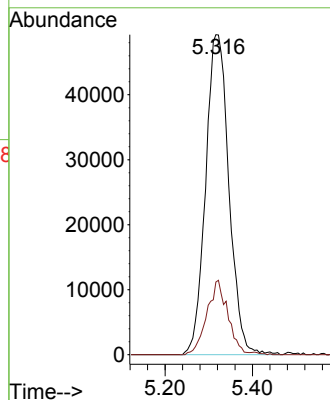
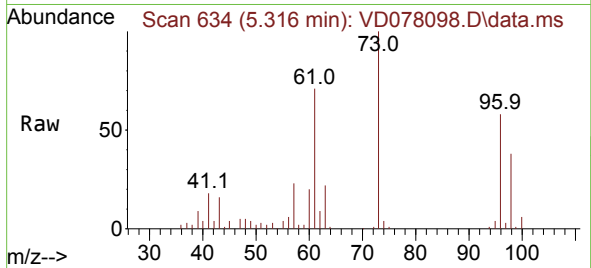
VSTDCCC050

Tgt Ion: 73 Resp: 182945

Ion Ratio Lower Upper

73 100

57 22.7 16.6 25.0



#20

Methylene Chloride

Concen: 52.460 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.001 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Tgt Ion: 84 Resp: 95119

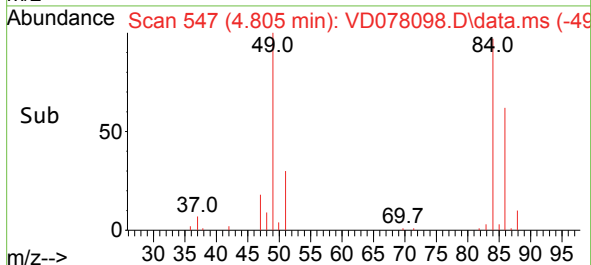
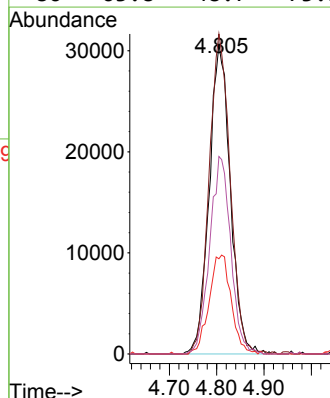
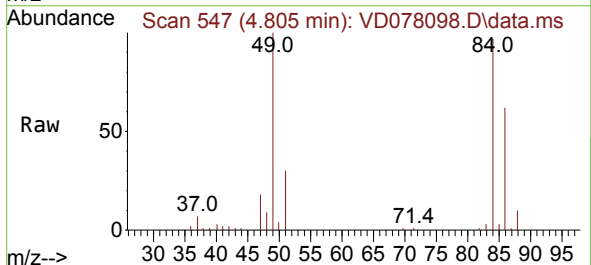
Ion Ratio Lower Upper

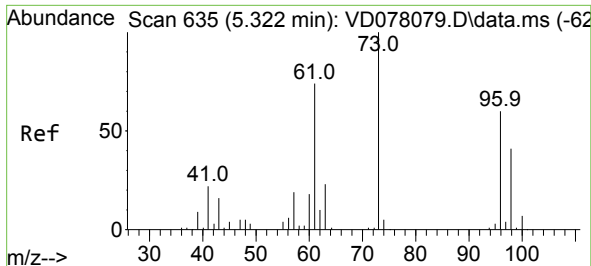
84 100

49 103.4 71.4 107.2

51 30.8 24.5 36.7

86 63.8 48.7 73.1

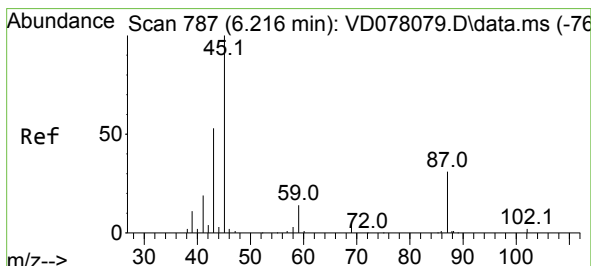
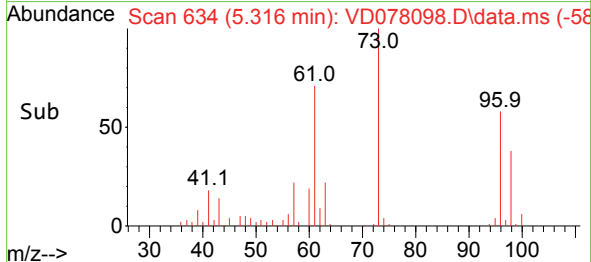
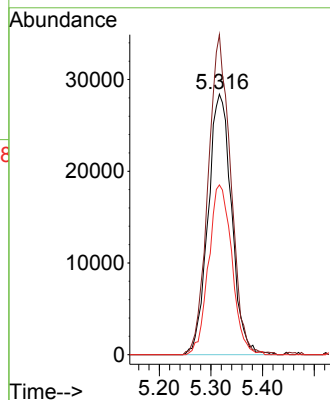
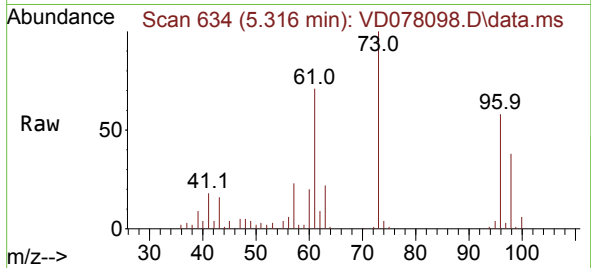




#21
trans-1,2-Dichloroethene
Concen: 49.385 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

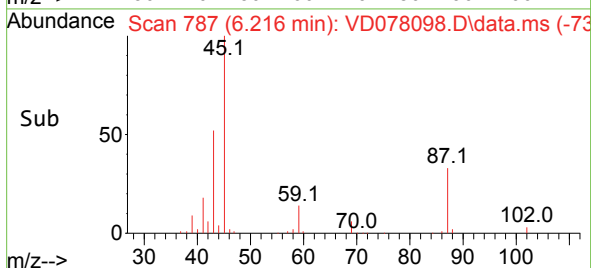
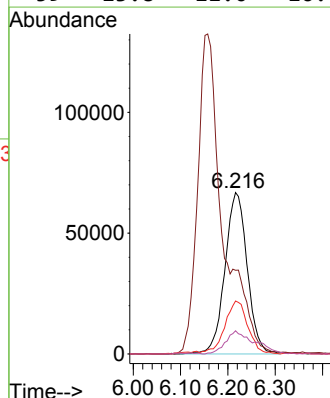
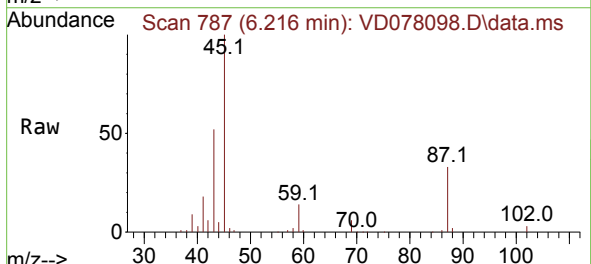
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

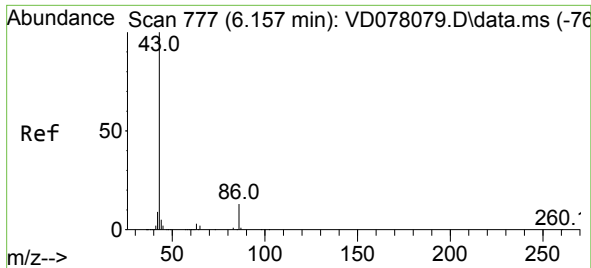
Tgt Ion: 96 Resp: 89478
Ion Ratio Lower Upper
96 100
61 122.8 89.3 133.9
98 65.2 48.6 73.0



#22
Diisopropyl ether
Concen: 51.410 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 45 Resp: 218769
Ion Ratio Lower Upper
45 100
43 50.8 40.0 60.0
87 32.8 28.2 42.4
59 13.8 11.0 16.4

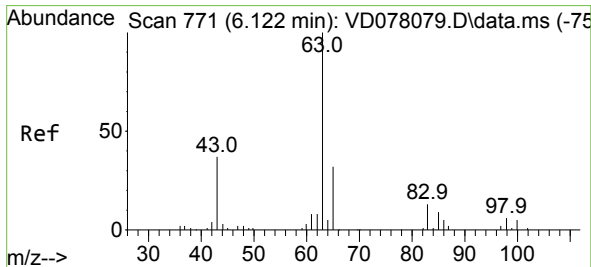
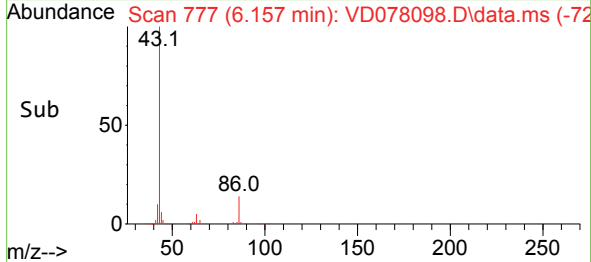
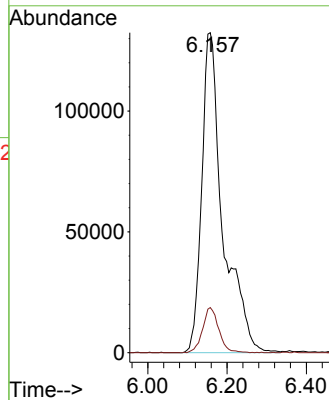
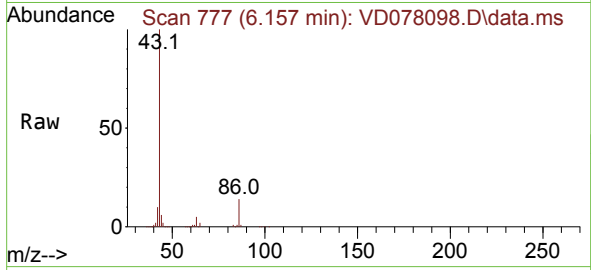




#23
 Vinyl Acetate
 Concen: 302.363 ug/l
 RT: 6.157 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD078098.D
 Acq: 29 Dec 2023 09:22

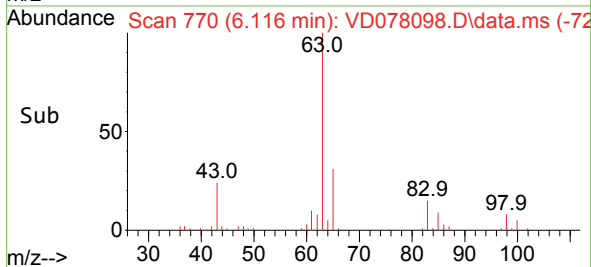
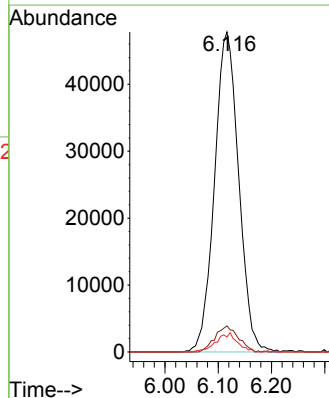
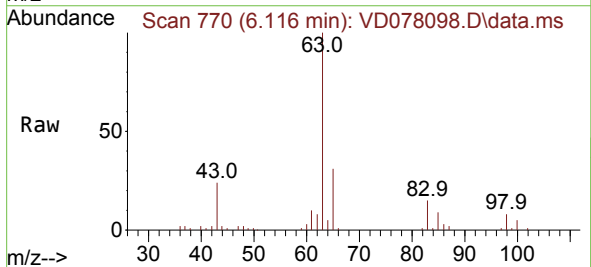
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

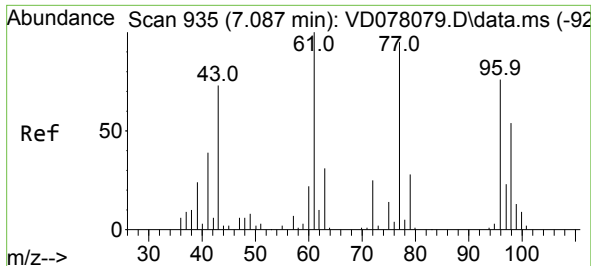
Tgt Ion: 43 Resp: 491910
 Ion Ratio Lower Upper
 43 100
 86 14.1 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 47.793 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. -0.006 min
 Lab File: VD078098.D
 Acq: 29 Dec 2023 09:22

Tgt Ion: 63 Resp: 150509
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.5 13.7
 100 4.7 2.5 7.5

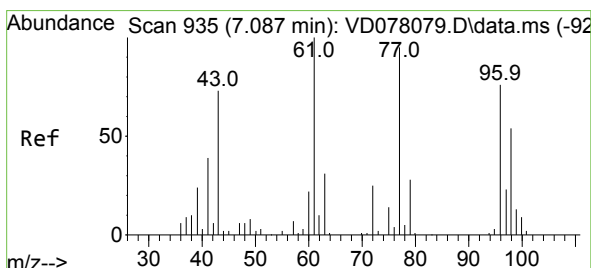
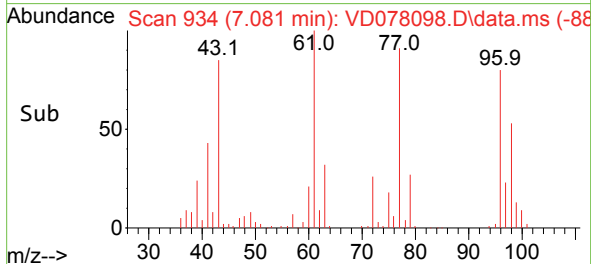
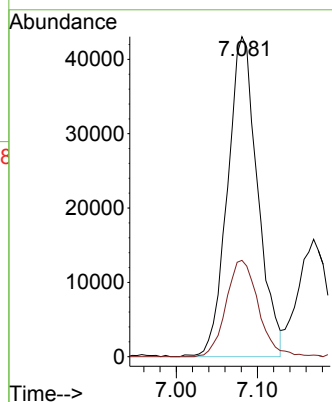
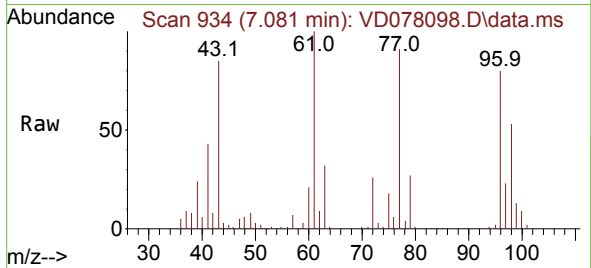




#25
2-Butanone
Concen: 283.945 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

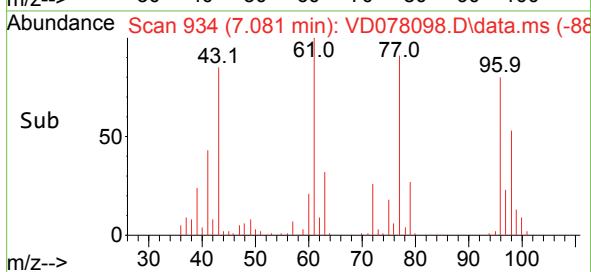
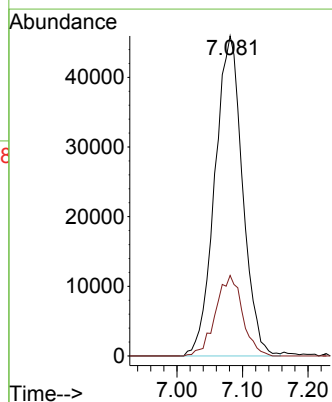
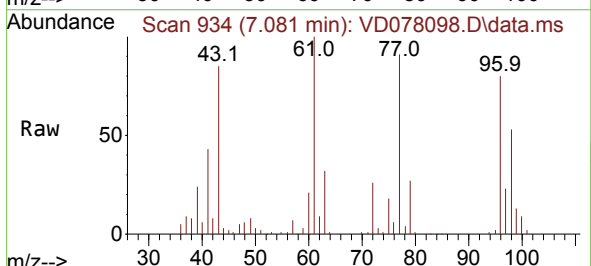
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

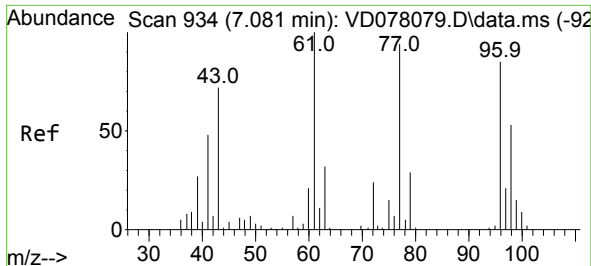
Tgt Ion: 43 Resp: 110910
Ion Ratio Lower Upper
43 100
72 30.1 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 47.682 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 77 Resp: 134906
Ion Ratio Lower Upper
77 100
97 24.4 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 49.269 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

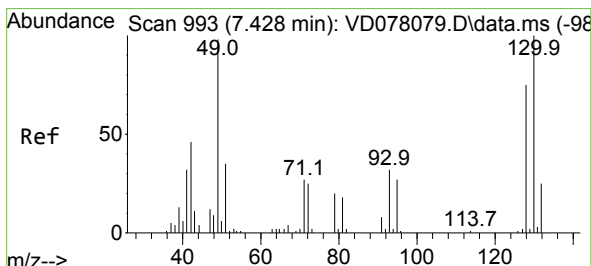
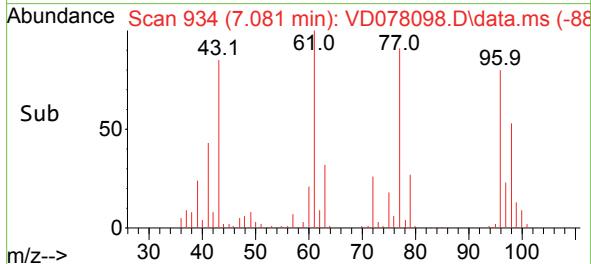
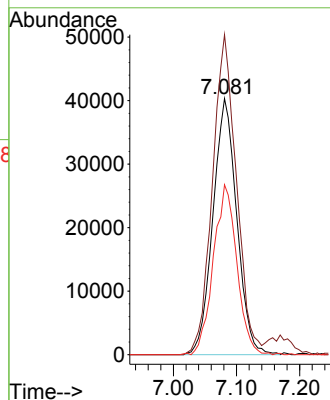
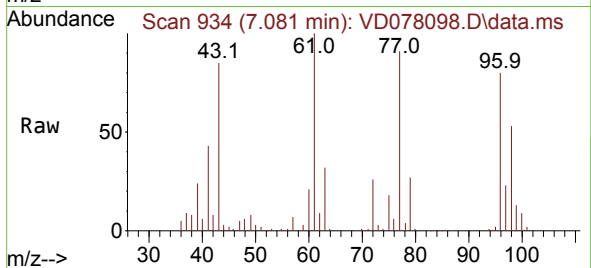
Tgt Ion: 96 Resp: 105904

Ion Ratio Lower Upper

96 100

61 125.4 0.0 239.2

98 65.2 0.0 128.6



#28

Bromochloromethane

Concen: 50.596 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

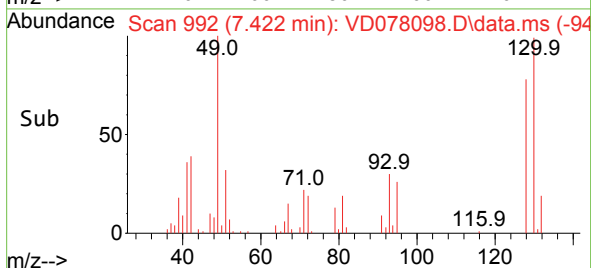
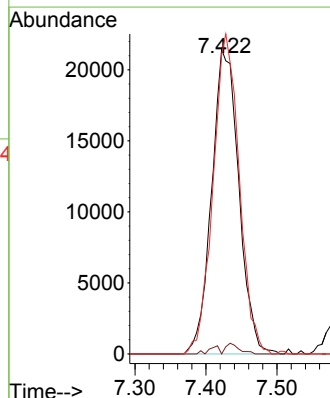
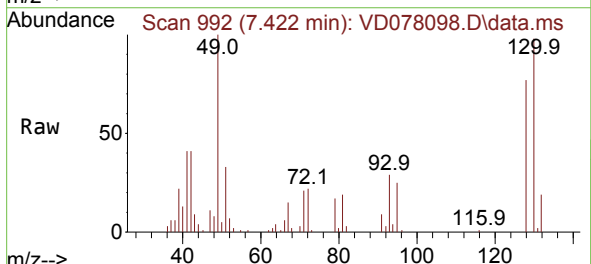
Tgt Ion: 49 Resp: 57005

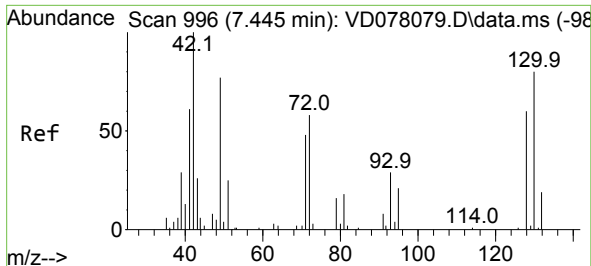
Ion Ratio Lower Upper

49 100

129 1.7 0.0 6.0

130 101.1 83.2 124.8





#29

Tetrahydrofuran

Concen: 255.218 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

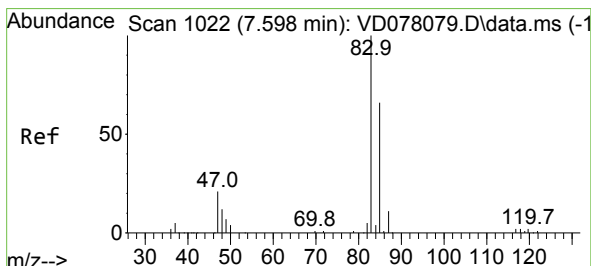
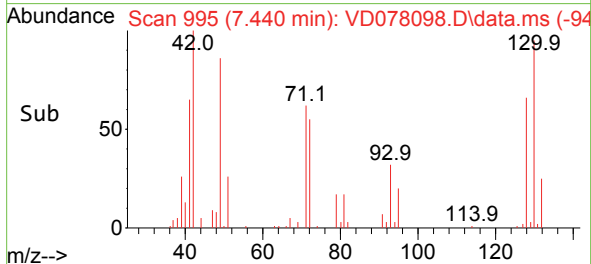
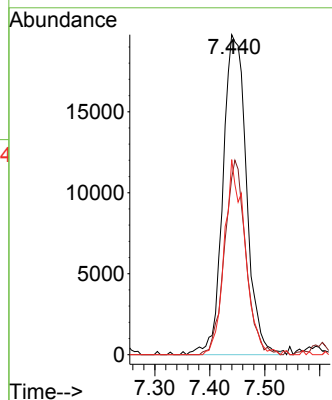
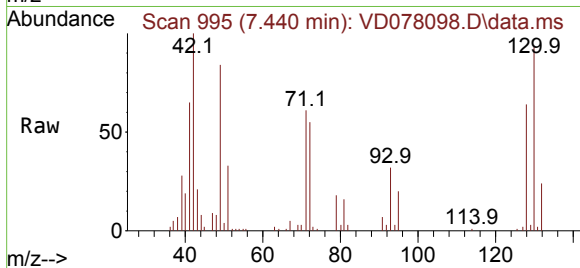
Tgt Ion: 42 Resp: 58632

Ion Ratio Lower Upper

42 100

72 55.2 46.5 69.7

71 53.7 44.5 66.7



#30

Chloroform

Concen: 49.140 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD078098.D

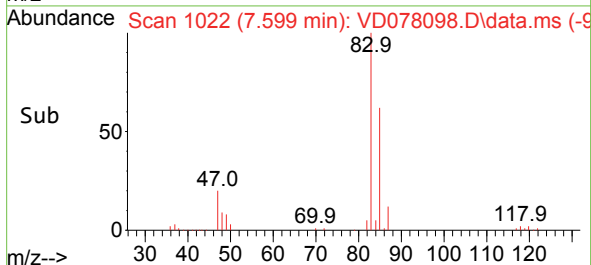
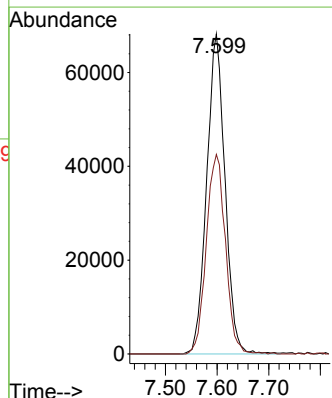
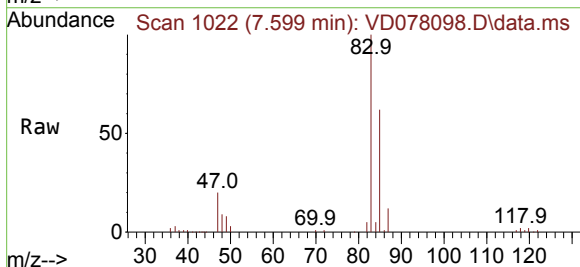
Acq: 29 Dec 2023 09:22

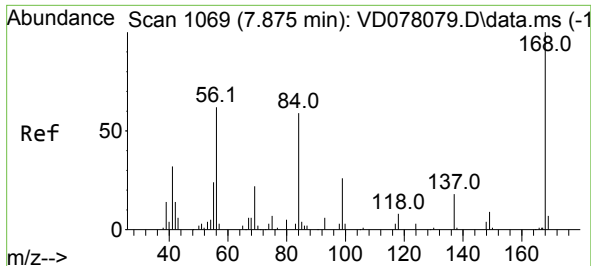
Tgt Ion: 83 Resp: 167705

Ion Ratio Lower Upper

83 100

85 62.3 53.4 80.2

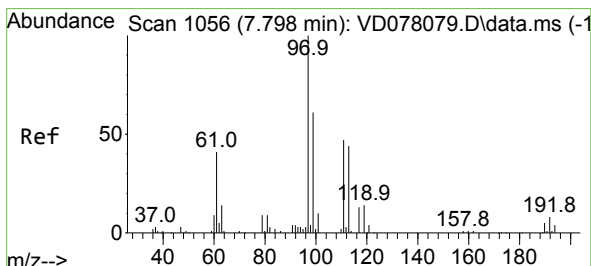
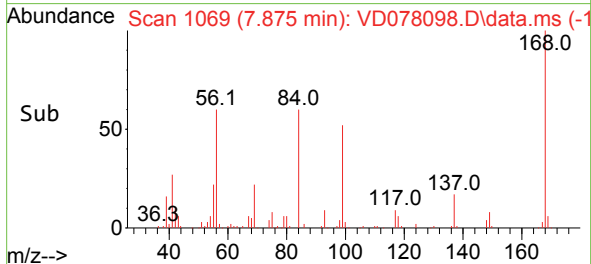
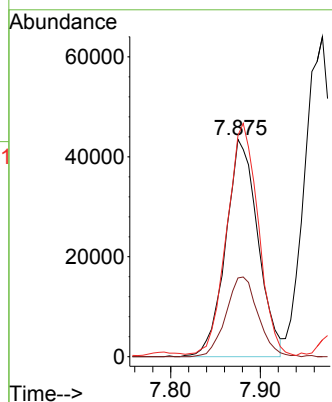
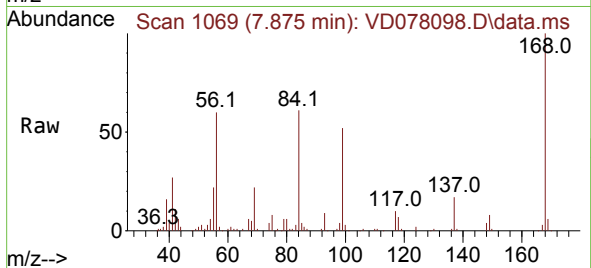




#31
Cyclohexane
Concen: 45.811 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

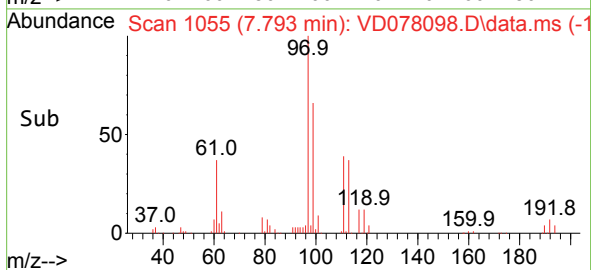
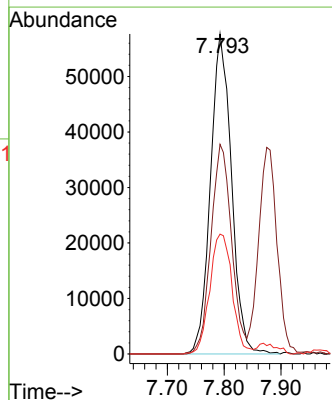
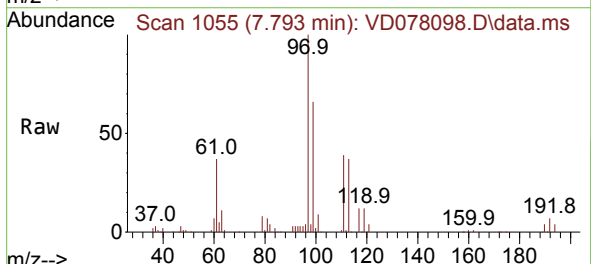
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

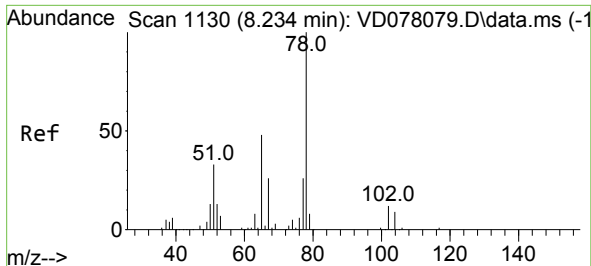
Tgt Ion: 56 Resp: 108454
Ion Ratio Lower Upper
56 100
69 36.2 28.6 43.0
84 100.4 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 50.403 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 97 Resp: 147836
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 40.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.299 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

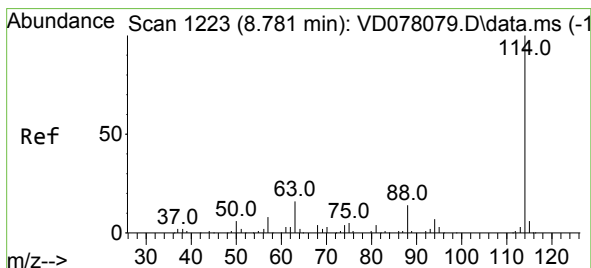
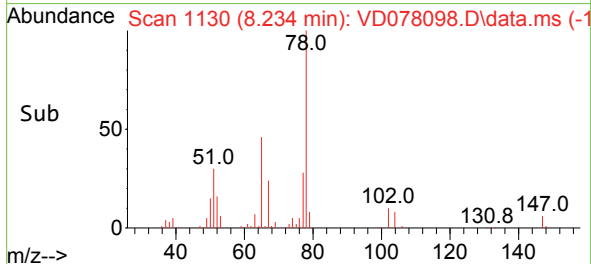
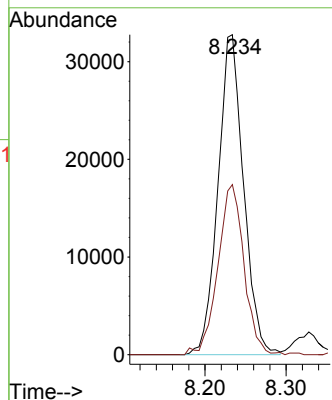
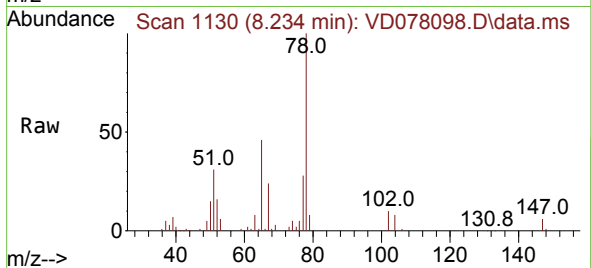
VSTDCCC050

Tgt Ion: 65 Resp: 71677

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

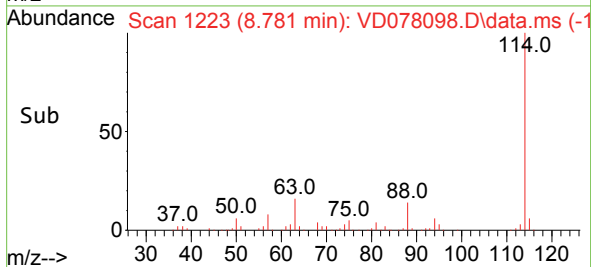
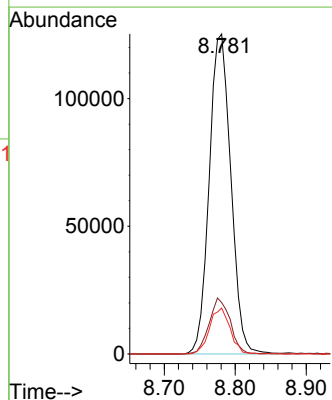
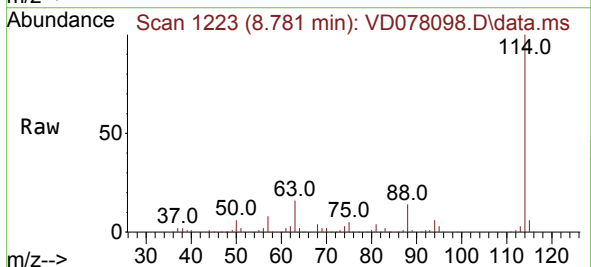
Tgt Ion: 114 Resp: 264927

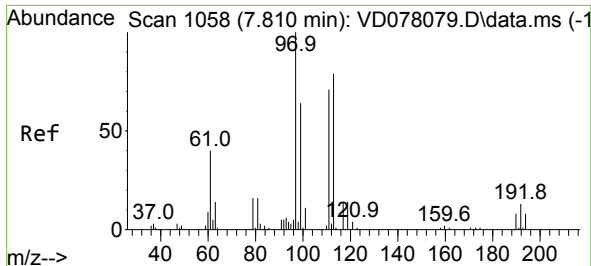
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 14.3 0.0 26.2

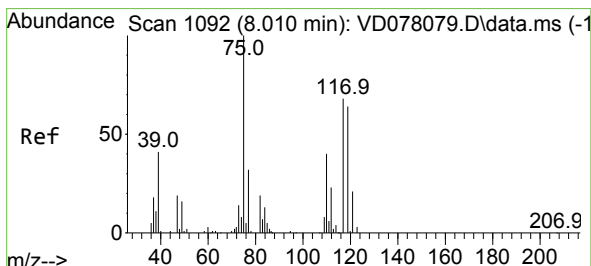
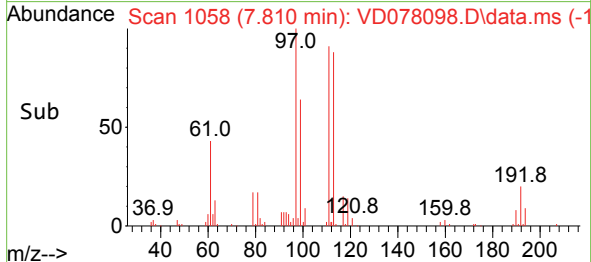
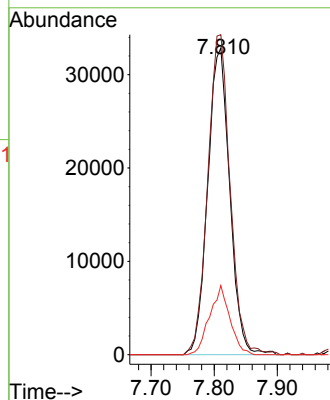
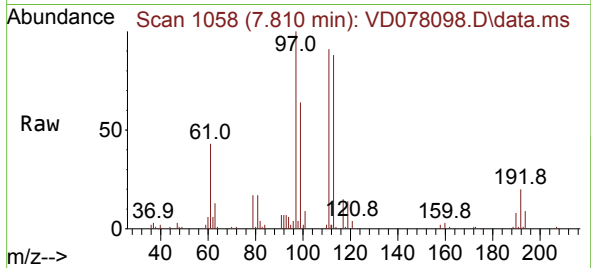




#35
Dibromofluoromethane
Concen: 46.633 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

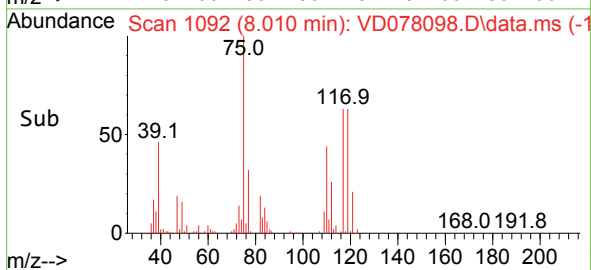
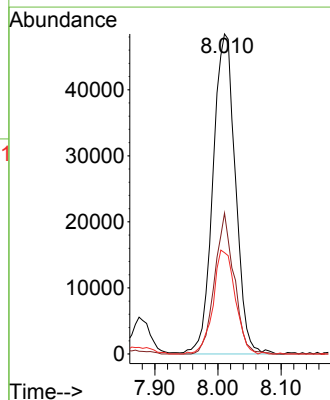
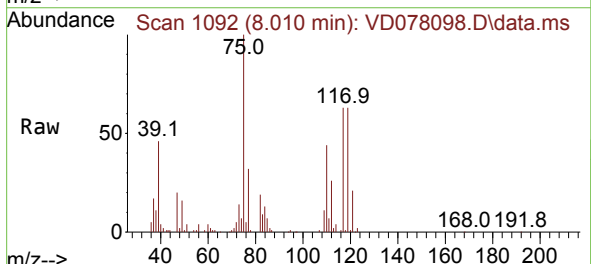
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

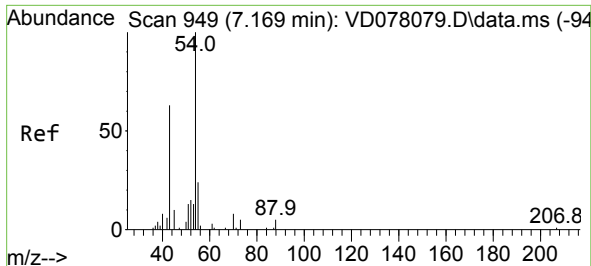
Tgt Ion:113 Resp: 79492
Ion Ratio Lower Upper
113 100
111 106.2 84.7 127.1
192 20.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 49.928 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 75 Resp: 119750
Ion Ratio Lower Upper
75 100
110 38.1 19.9 59.6
77 32.1 24.7 37.1

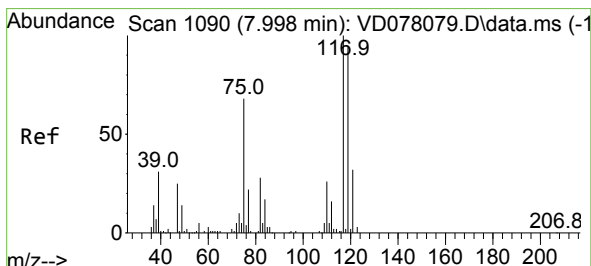
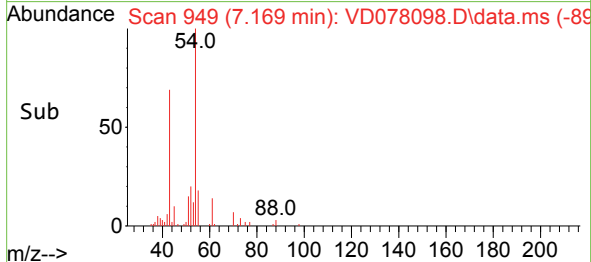
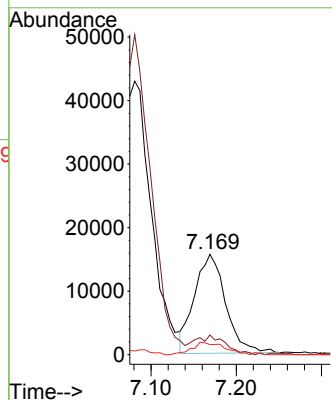
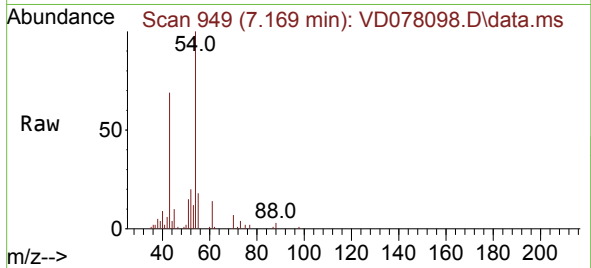




#37
Ethyl Acetate
Concen: 49.770 ug/l
RT: 7.169 min Scan# 949
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

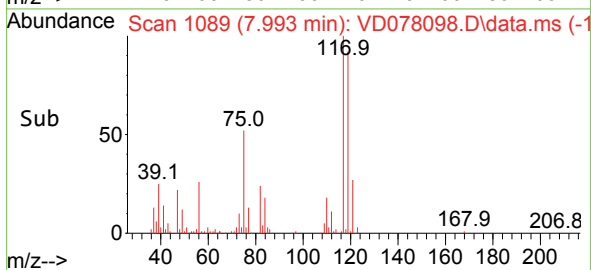
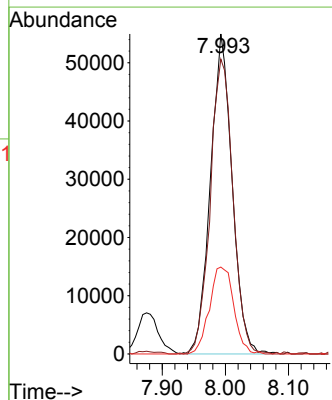
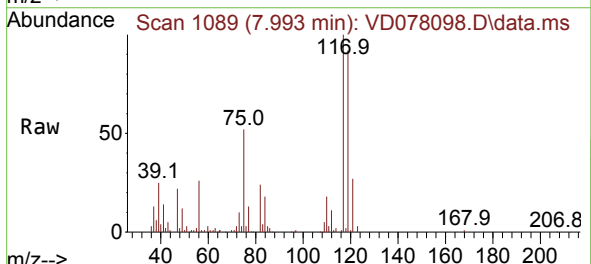
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

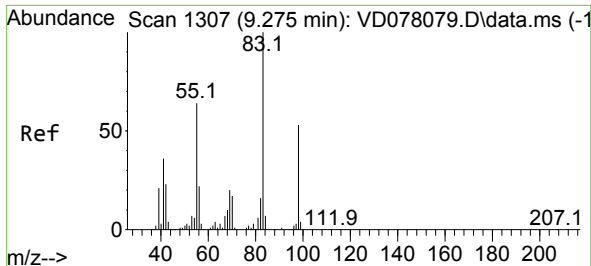
Tgt Ion: 43 Resp: 39702
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 12.9 10.0 15.0



#38
Carbon Tetrachloride
Concen: 50.528 ug/l
RT: 7.993 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 117 Resp: 131320
Ion Ratio Lower Upper
117 100
119 92.1 78.0 117.0
121 27.1 24.2 36.2





#39

Methylcyclohexane

Concen: 49.650 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

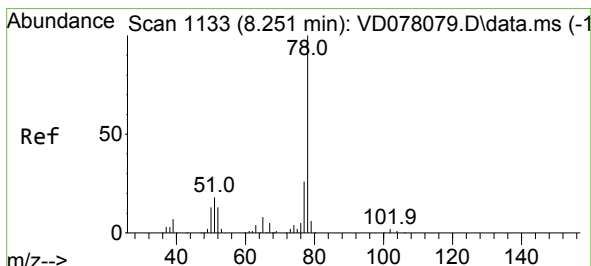
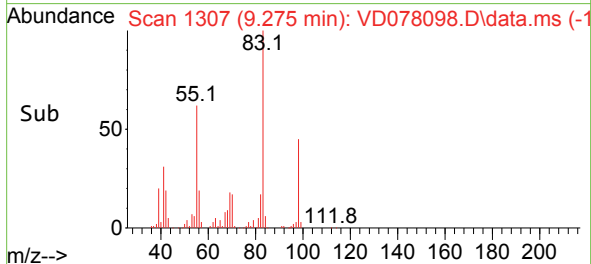
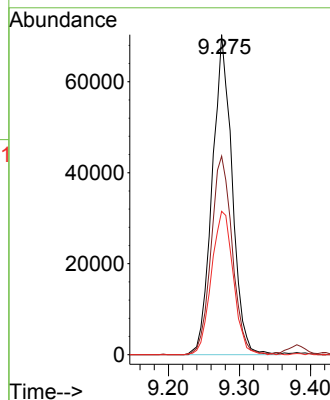
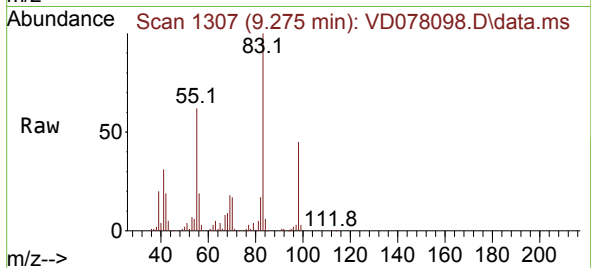
Tgt Ion: 83 Resp: 136528

Ion Ratio Lower Upper

83 100

55 62.0 49.4 74.0

98 44.8 38.4 57.6



#40

Benzene

Concen: 51.220 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD078098.D

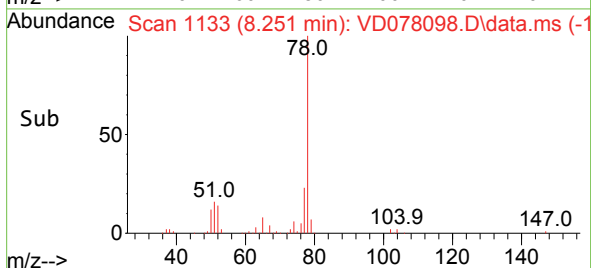
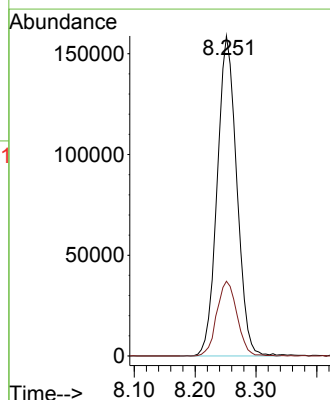
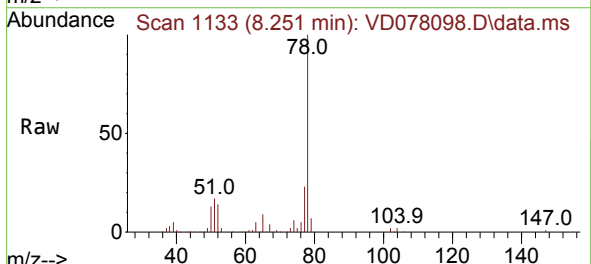
Acq: 29 Dec 2023 09:22

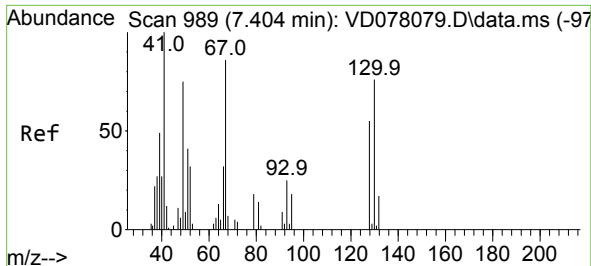
Tgt Ion: 78 Resp: 354078

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.0

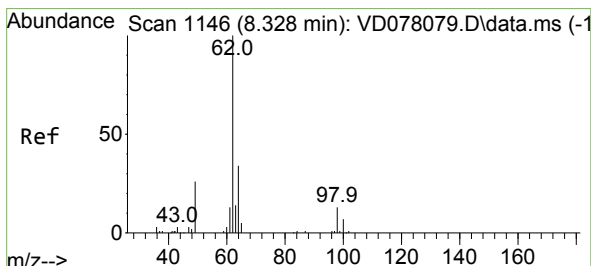
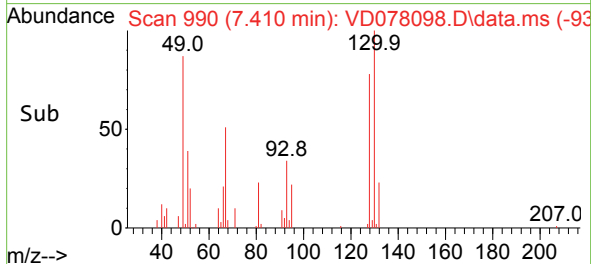
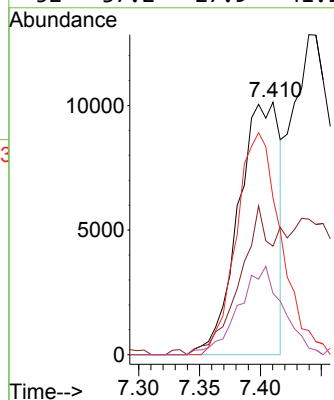
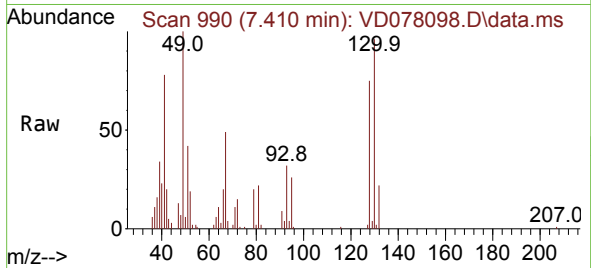




#41
Methacrylonitrile
Concen: 47.491 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

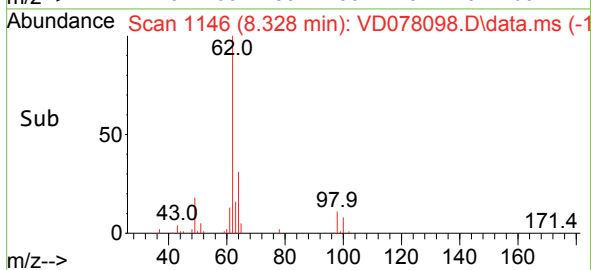
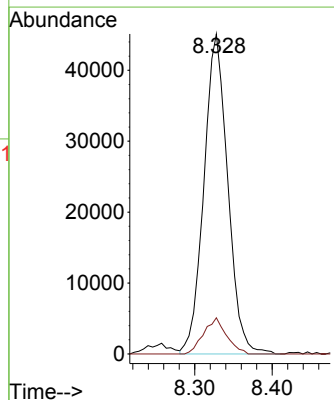
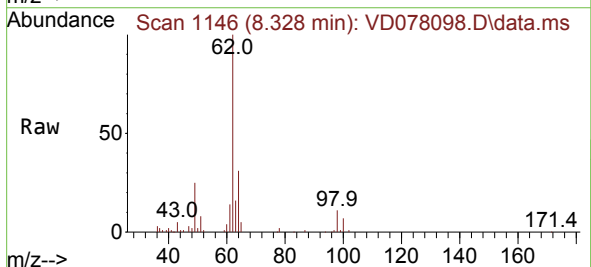
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

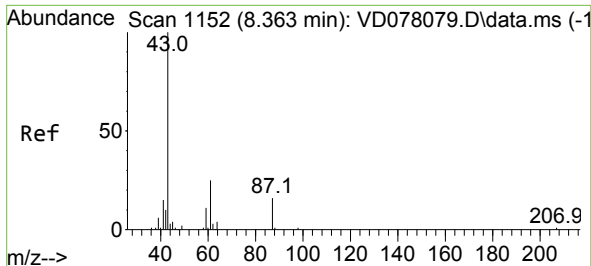
Tgt Ion:	41	Resp:	23967
Ion	Ratio	Lower	Upper
41	100		
39	44.9	34.0	51.0
67	94.7	77.0	115.4
52	37.2	27.9	41.9



#42
1,2-Dichloroethane
Concen: 51.647 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:	62	Resp:	96486
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	25.4

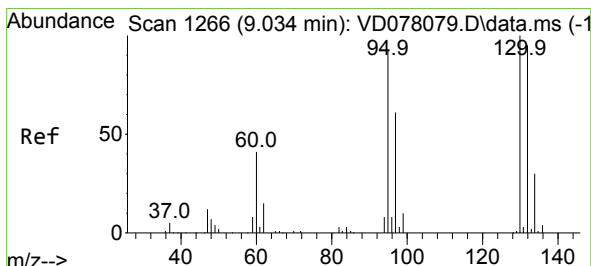
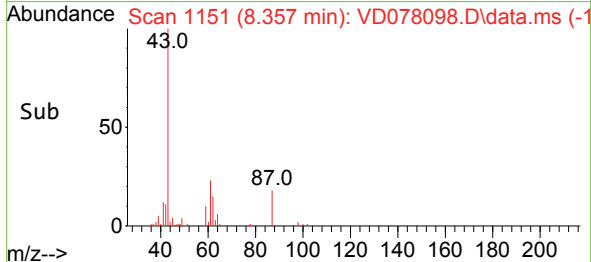
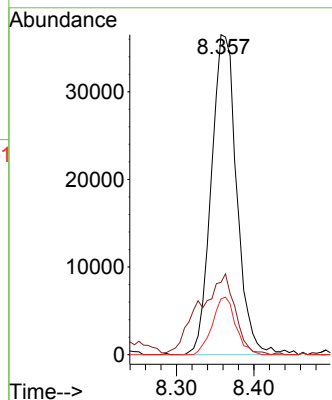
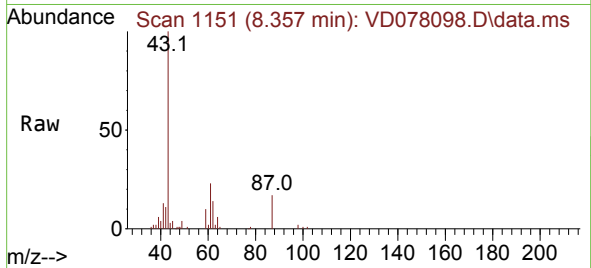




#43
Isopropyl Acetate
Concen: 51.929 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

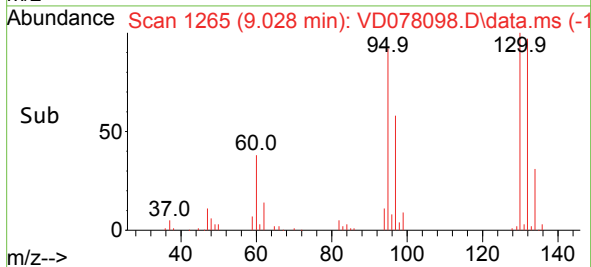
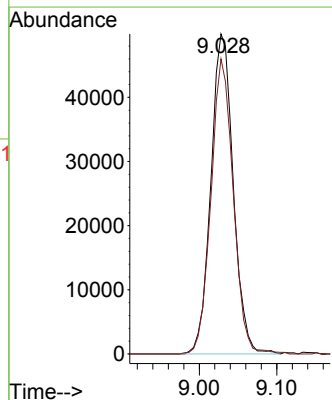
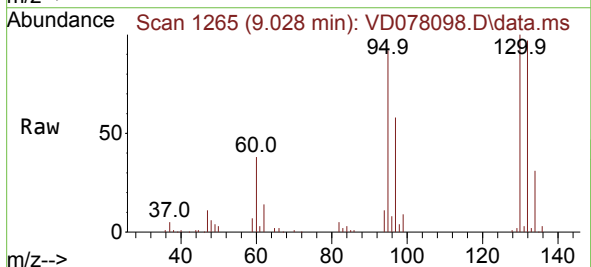
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

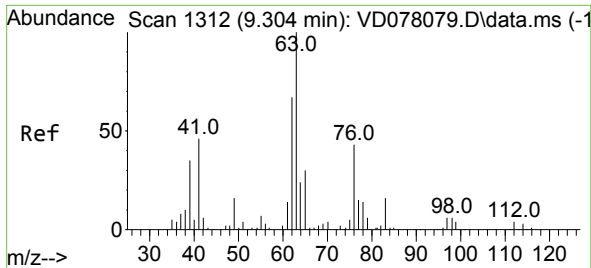
Tgt Ion: 43 Resp: 82933
Ion Ratio Lower Upper
43 100
61 35.8 31.4 47.0
87 16.6 14.9 22.3



#44
Trichloroethene
Concen: 50.463 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:130 Resp: 100362
Ion Ratio Lower Upper
130 100
95 92.2 0.0 179.2

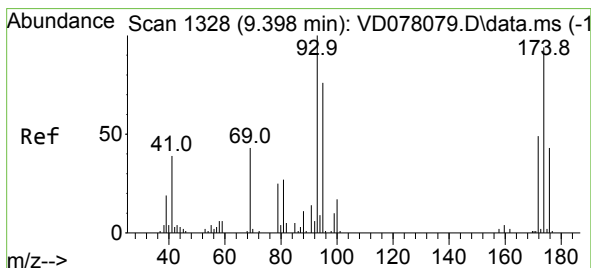
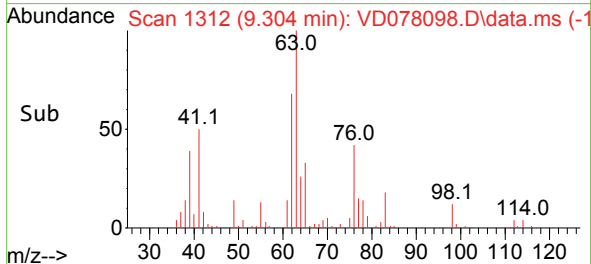
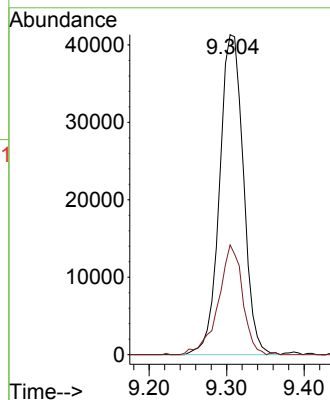
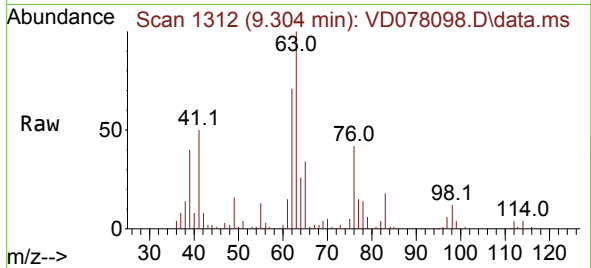




#45
1,2-Dichloropropane
Concen: 50.390 ug/l
RT: 9.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

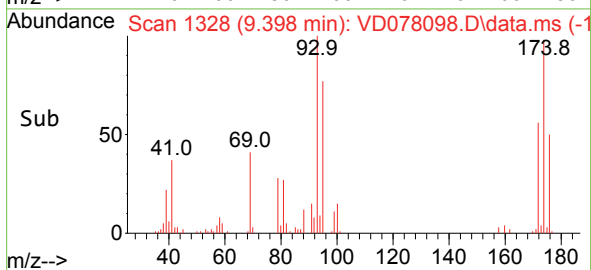
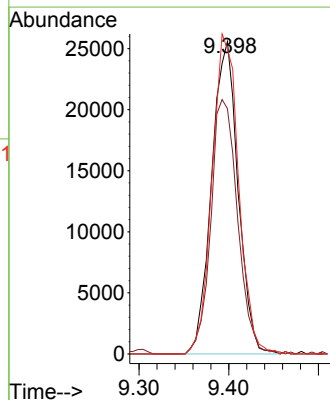
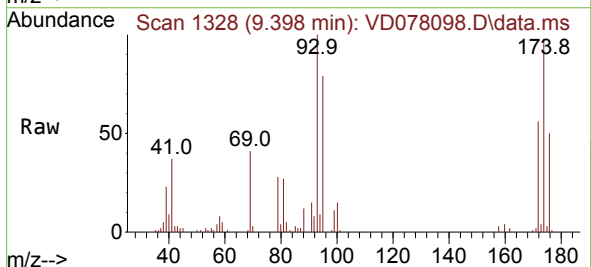
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

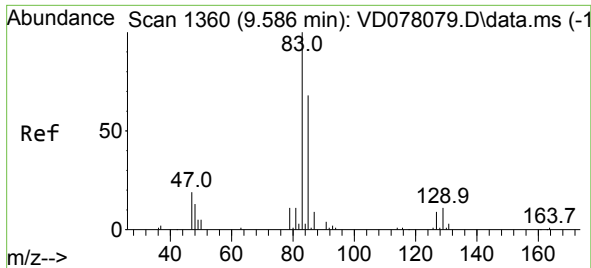
Tgt Ion: 63 Resp: 88268
Ion Ratio Lower Upper
63 100
65 34.3 24.5 36.7



#46
Dibromomethane
Concen: 53.323 ug/l
RT: 9.398 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 93 Resp: 52315
Ion Ratio Lower Upper
93 100
95 82.5 67.7 101.5
174 102.6 85.4 128.2

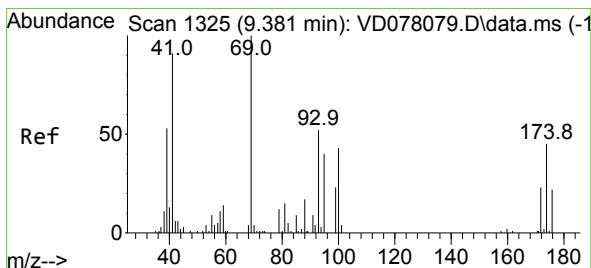
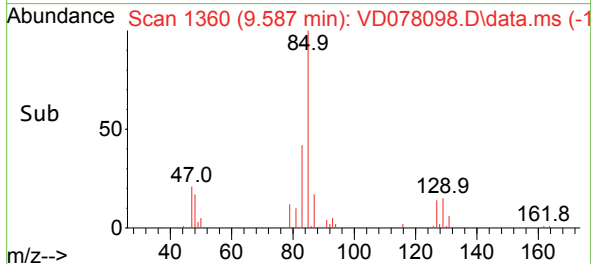
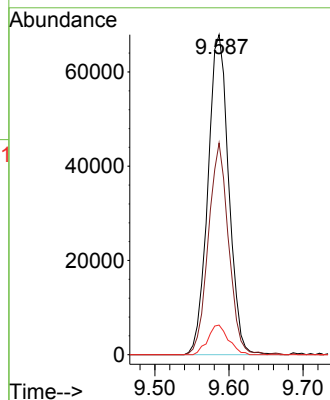
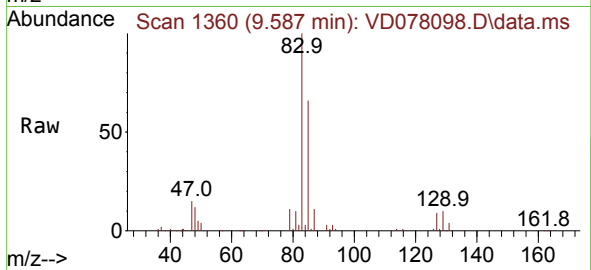




#47
Bromodichloromethane
Concen: 51.982 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

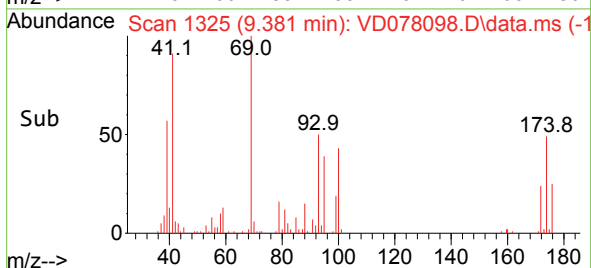
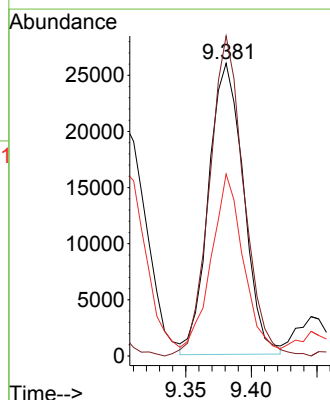
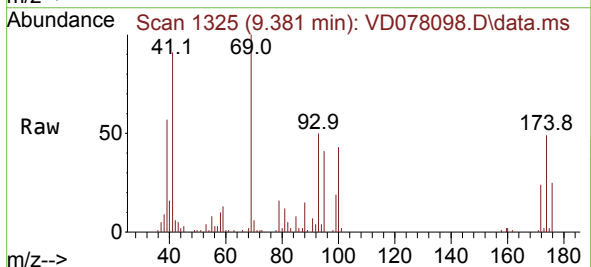
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

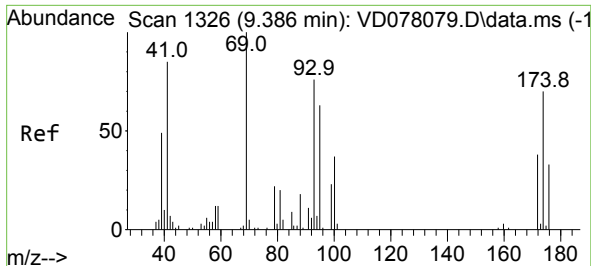
Tgt Ion: 83 Resp: 132475
Ion Ratio Lower Upper
83 100
85 66.1 50.2 75.4
127 9.3 6.3 9.5



#48
Methyl methacrylate
Concen: 53.496 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 41 Resp: 48149
Ion Ratio Lower Upper
41 100
69 107.6 102.2 153.2
39 53.7 41.4 62.2





#49

1,4-Dioxane

Concen: 1140.205 ug/l

RT: 9.387 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

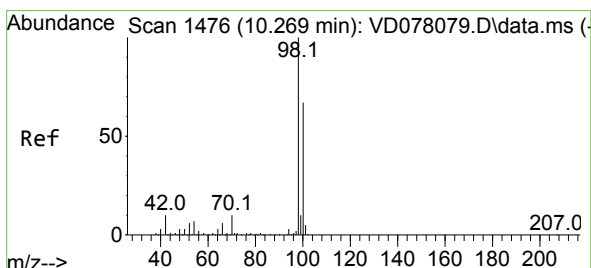
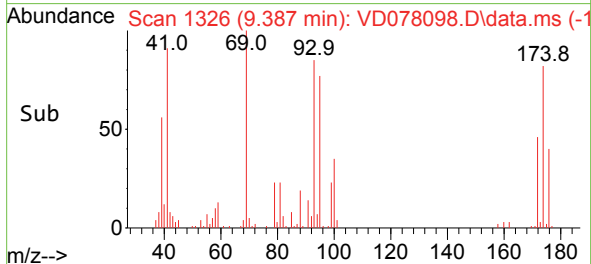
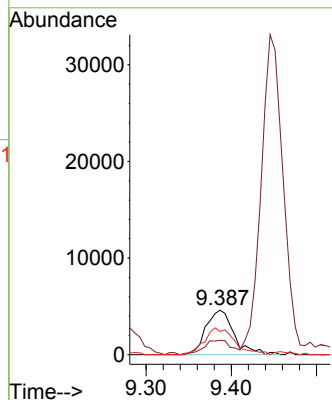
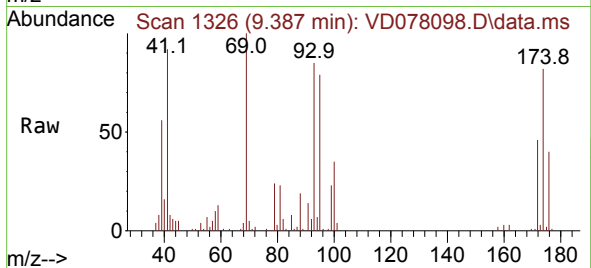
Tgt Ion: 88 Resp: 10575

Ion Ratio Lower Upper

88 100

43 32.2 19.0 28.6#

58 63.8 43.5 65.3



#50

Toluene-d8

Concen: 48.230 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078098.D

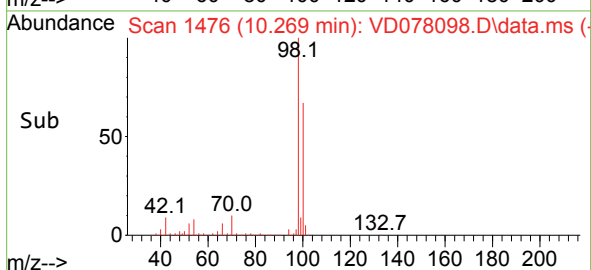
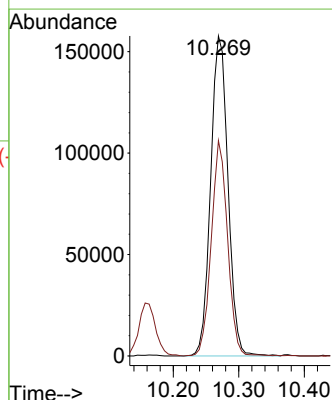
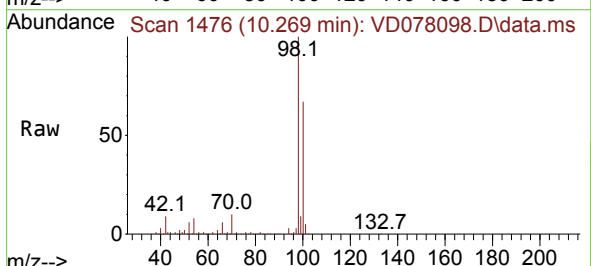
Acq: 29 Dec 2023 09:22

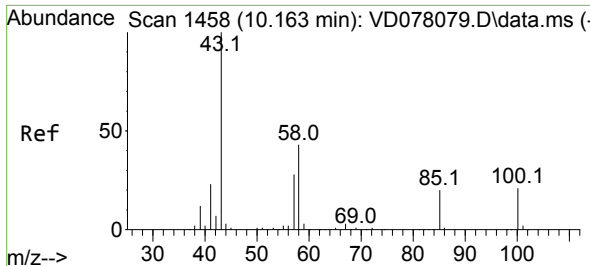
Tgt Ion: 98 Resp: 289288

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

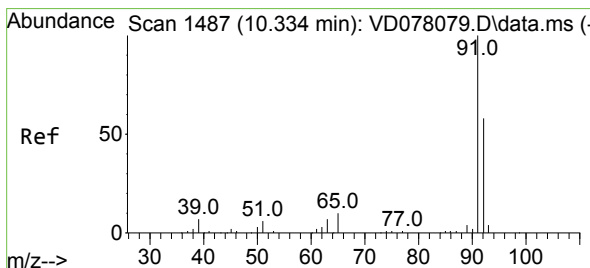
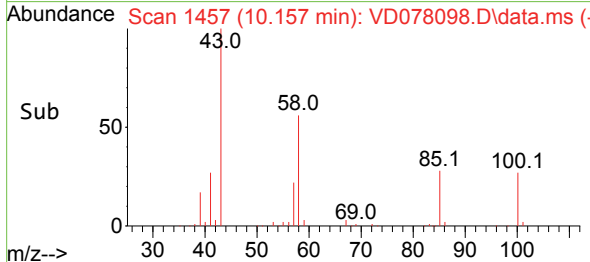
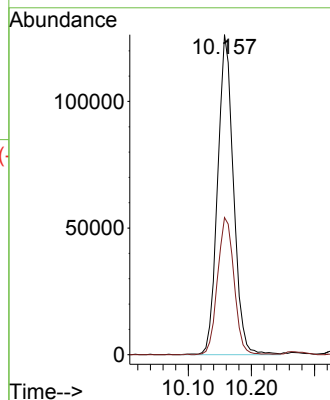
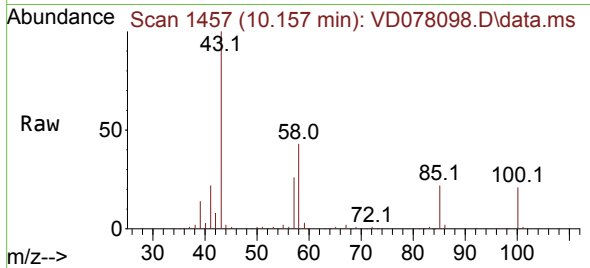




#51
4-Methyl-2-Pentanone
Concen: 268.937 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

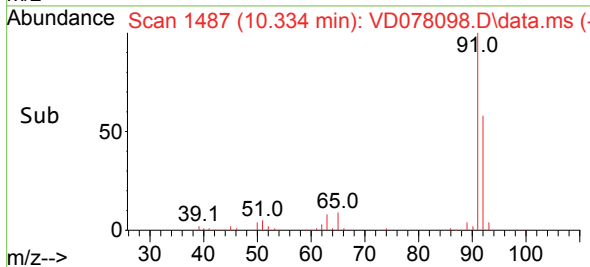
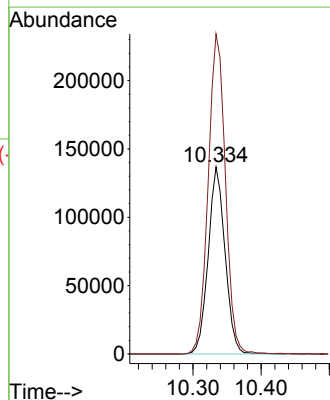
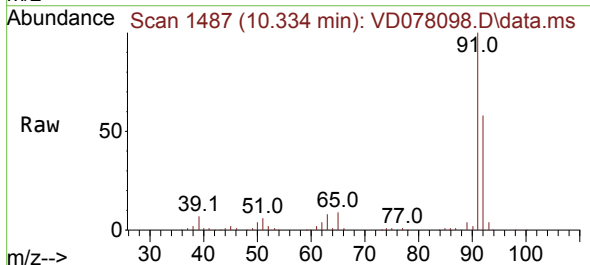
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

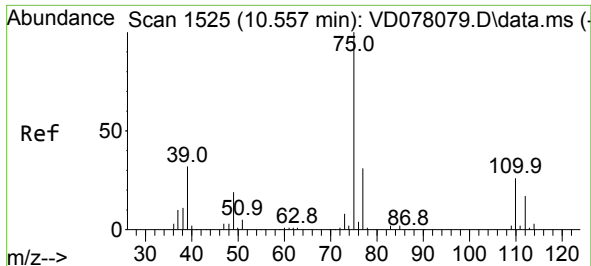
Tgt Ion: 43 Resp: 220387
Ion Ratio Lower Upper
43 100
58 44.6 38.9 58.3



#52
Toluene
Concen: 52.535 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 92 Resp: 235550
Ion Ratio Lower Upper
92 100
91 174.6 143.0 214.4





#53

t-1,3-Dichloropropene

Concen: 51.723 ug/l

RT: 10.551 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

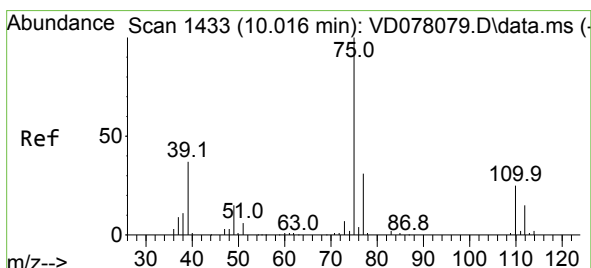
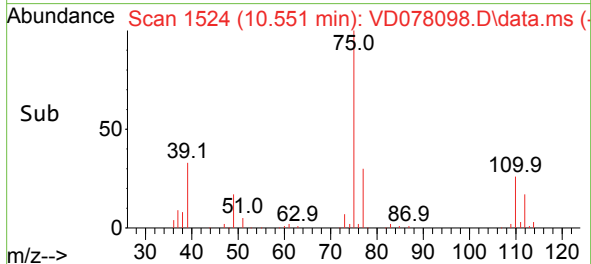
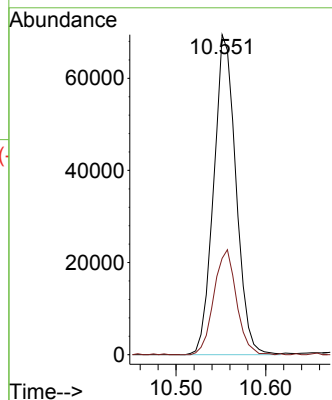
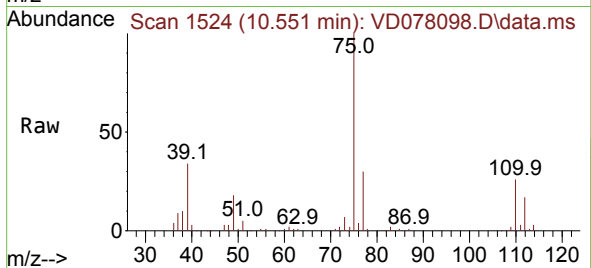
VSTDCCC050

Tgt Ion: 75 Resp: 119593

Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 51.274 ug/l

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

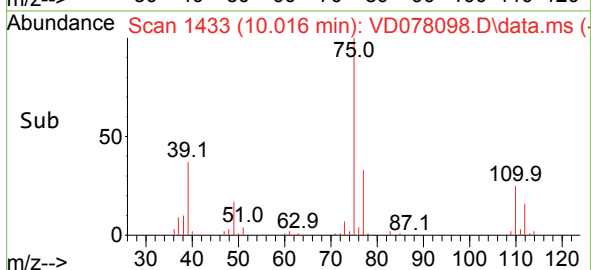
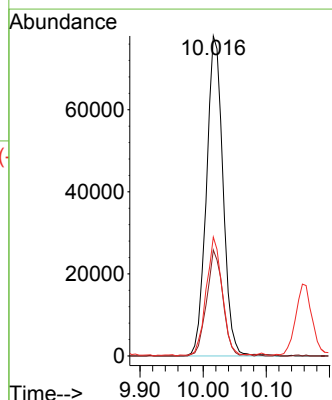
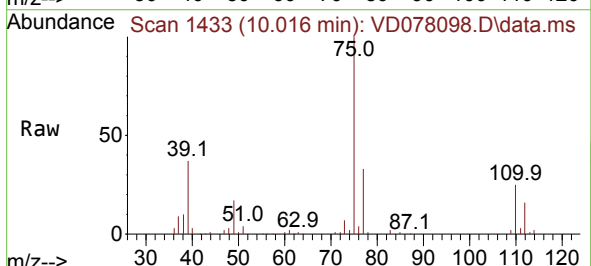
Tgt Ion: 75 Resp: 142373

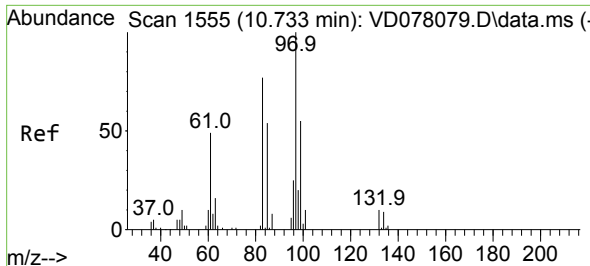
Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3

39 36.9 22.1 33.1#

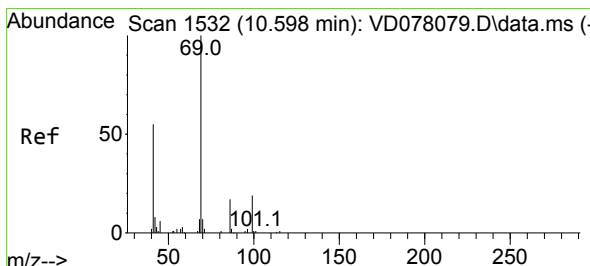
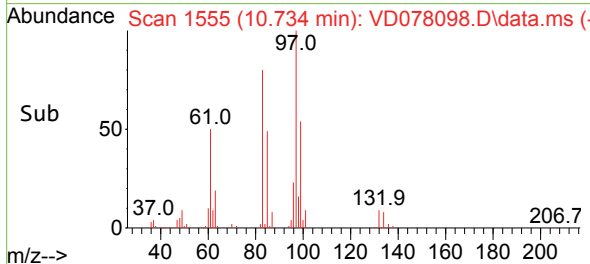
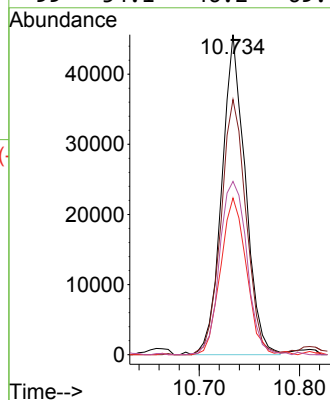
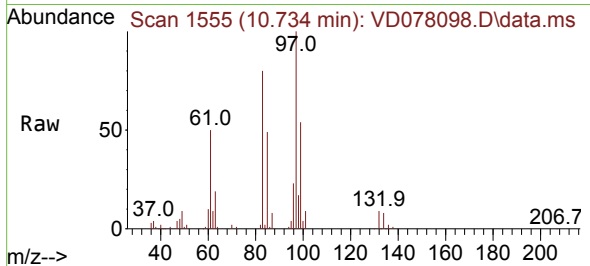




#55
1,1,2-Trichloroethane
Concen: 53.885 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

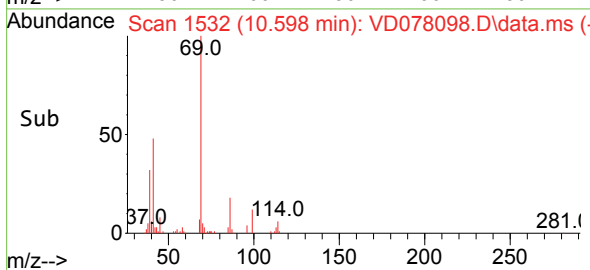
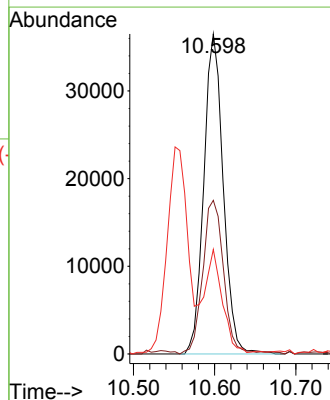
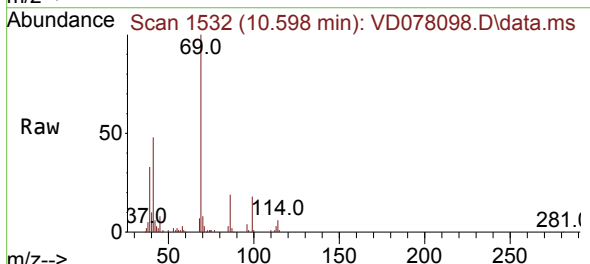
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

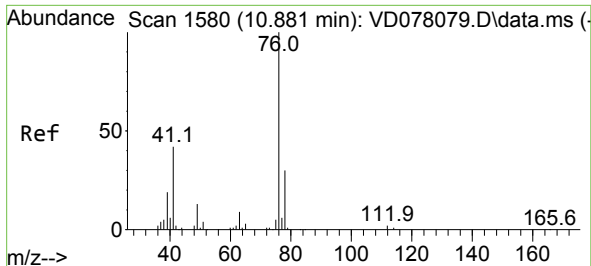
Tgt Ion:	97	Resp:	74395
Ion	Ratio	Lower	Upper
97	100		
83	79.8	65.8	98.6
85	49.0	45.7	68.5
99	54.1	46.2	69.4



#56
Ethyl methacrylate
Concen: 55.331 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:	69	Resp:	60623
Ion	Ratio	Lower	Upper
69	100		
41	51.9	39.1	58.7
39	27.2	20.0	30.0





#57

1,3-Dichloropropane

Concen: 51.749 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

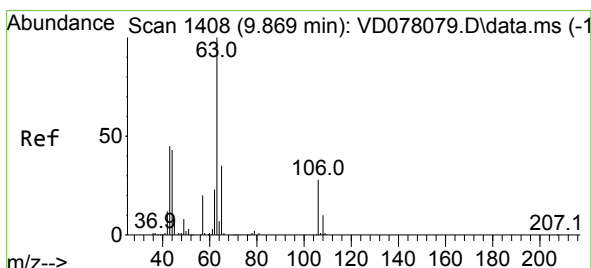
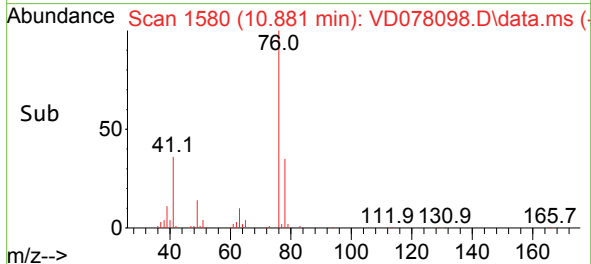
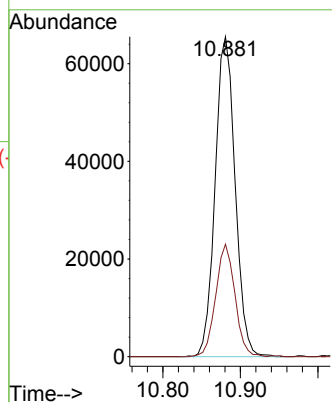
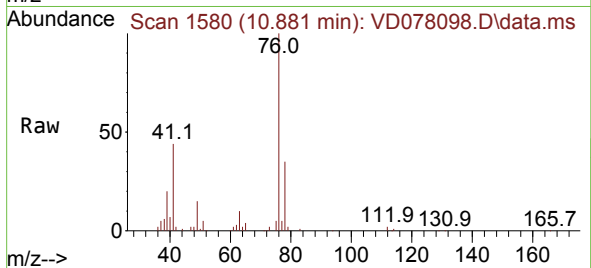
VSTDCCC050

Tgt Ion: 76 Resp: 117387

Ion Ratio Lower Upper

76 100

78 33.9 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 268.802 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078098.D

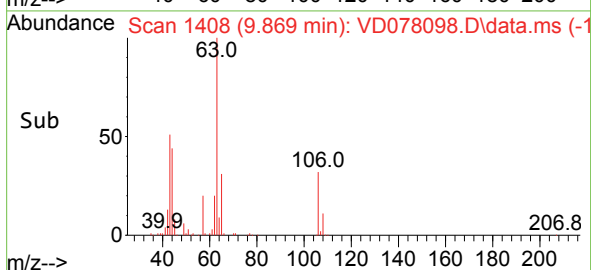
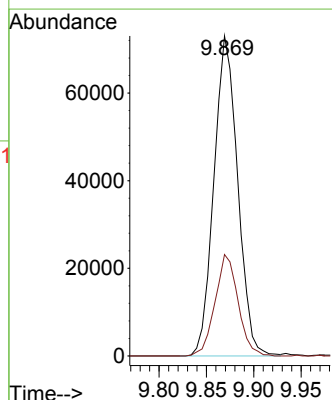
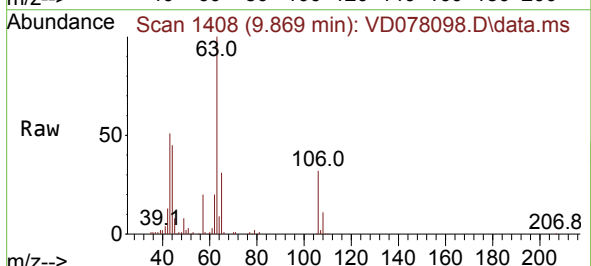
Acq: 29 Dec 2023 09:22

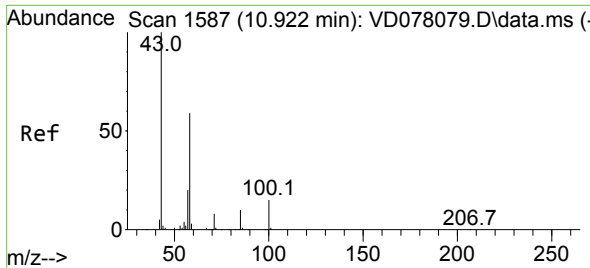
Tgt Ion: 63 Resp: 127509

Ion Ratio Lower Upper

63 100

106 30.8 25.3 37.9

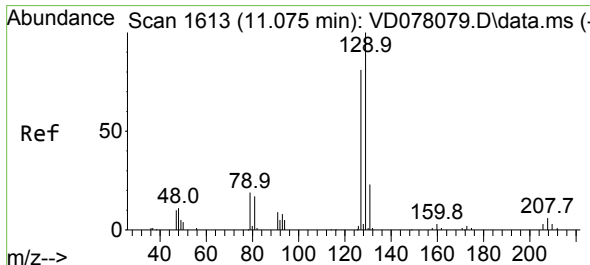
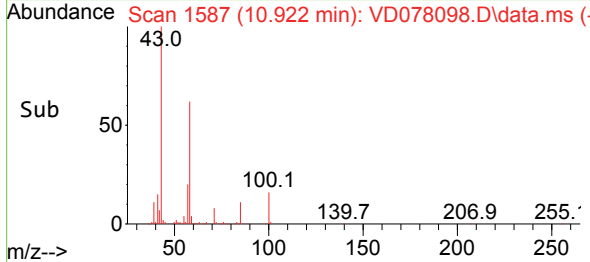
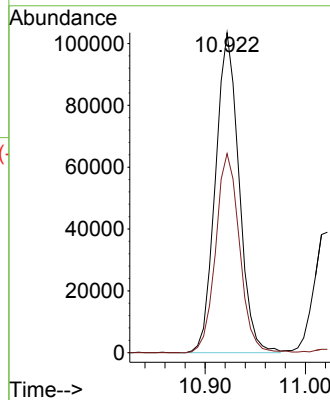
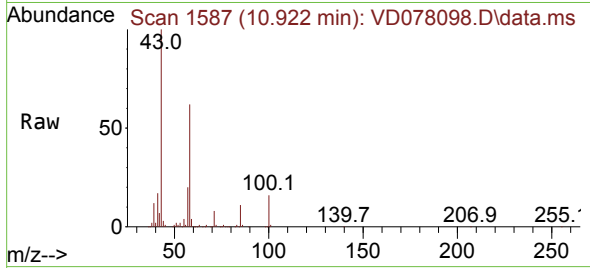




#59
2-Hexanone
Concen: 264.948 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

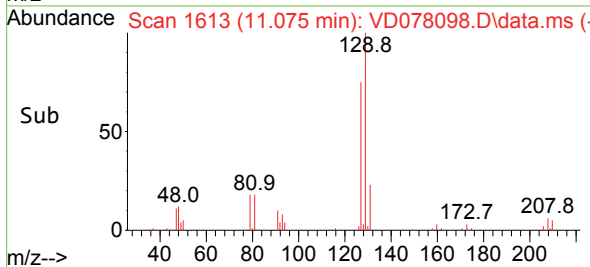
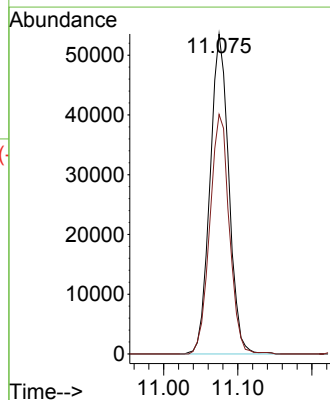
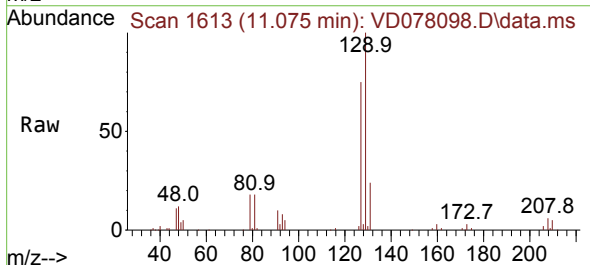
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

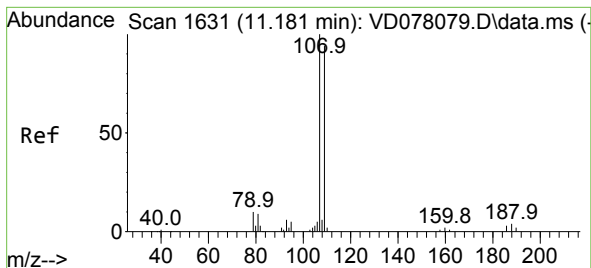
Tgt Ion: 43 Resp: 168650
Ion Ratio Lower Upper
43 100
58 63.0 34.1 102.2



#60
Dibromochloromethane
Concen: 53.661 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 129 Resp: 94381
Ion Ratio Lower Upper
129 100
127 77.5 37.1 111.5

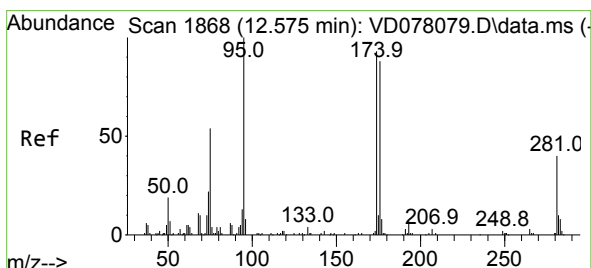
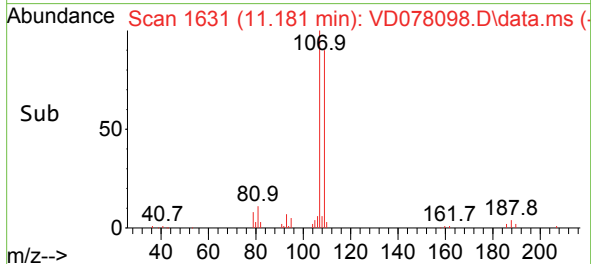
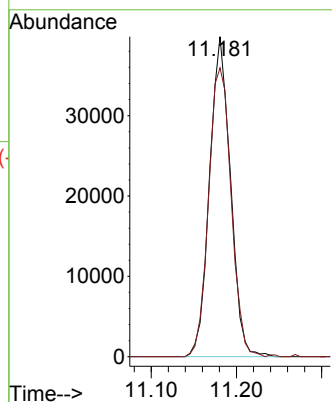
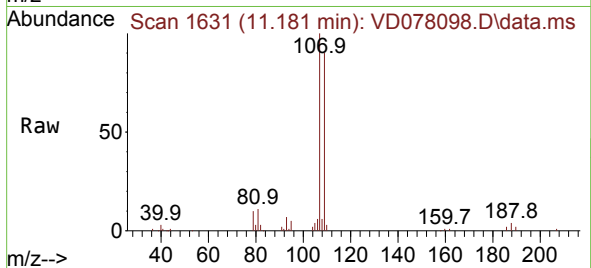




#61
1,2-Dibromoethane
Concen: 51.255 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

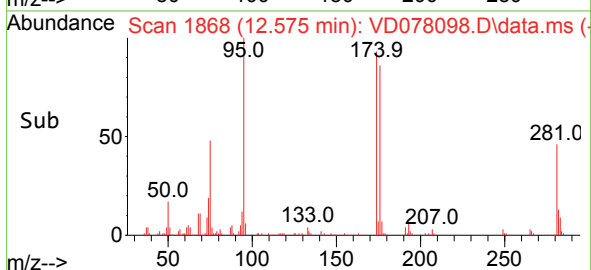
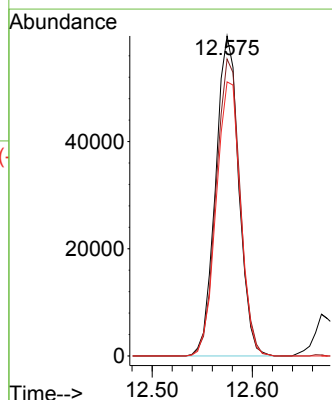
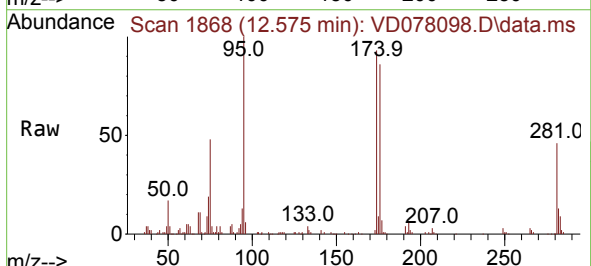
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

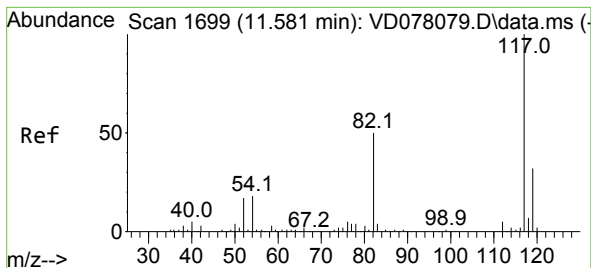
Tgt Ion:107 Resp: 67843
Ion Ratio Lower Upper
107 100
109 97.2 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.647 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 95 Resp: 95815
Ion Ratio Lower Upper
95 100
174 95.5 0.0 201.8
176 89.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

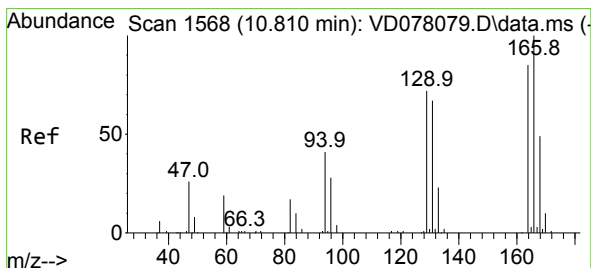
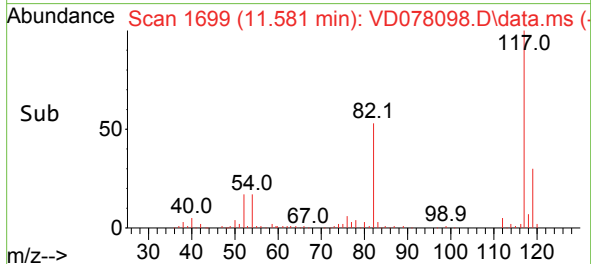
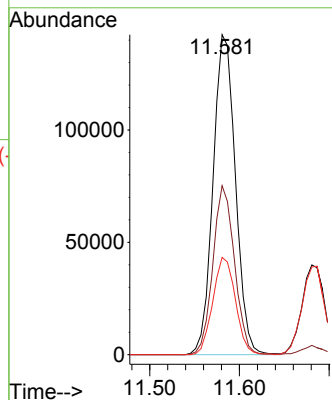
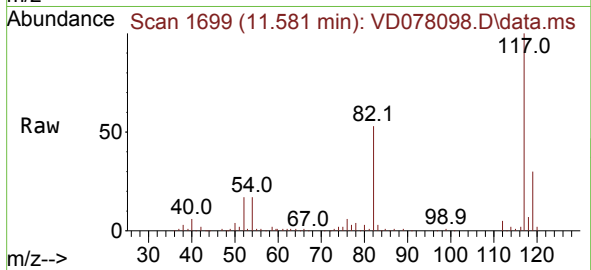
Tgt Ion:117 Resp: 246384

Ion Ratio Lower Upper

117 100

82 52.8 38.3 57.5

119 30.4 25.0 37.4



#64

Tetrachloroethene

Concen: 50.496 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Tgt Ion:164 Resp: 84068

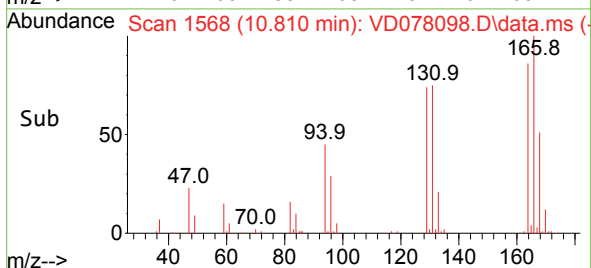
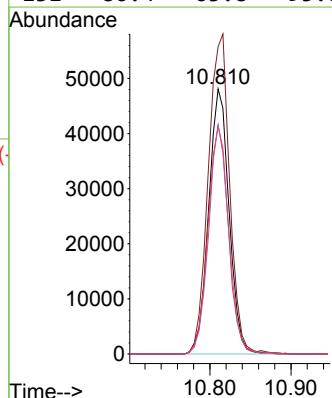
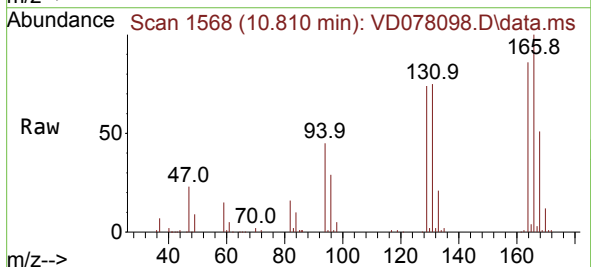
Ion Ratio Lower Upper

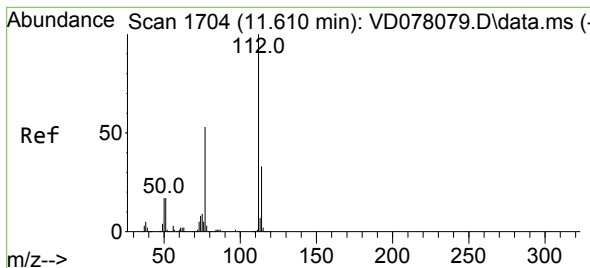
164 100

166 115.9 99.2 148.8

129 86.1 68.4 102.6

131 86.4 63.8 95.8





#65

Chlorobenzene

Concen: 50.108 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

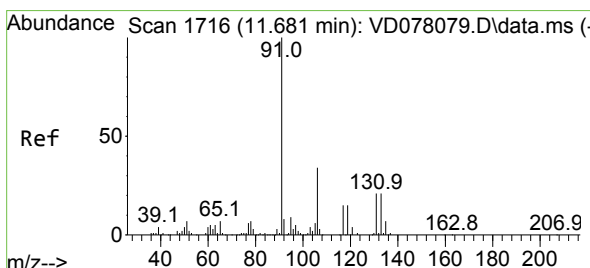
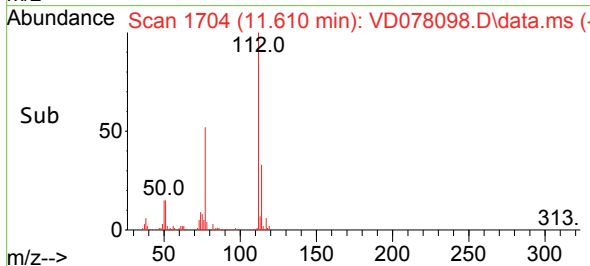
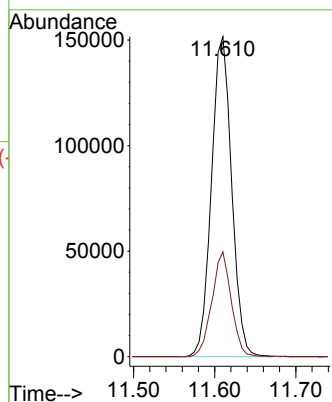
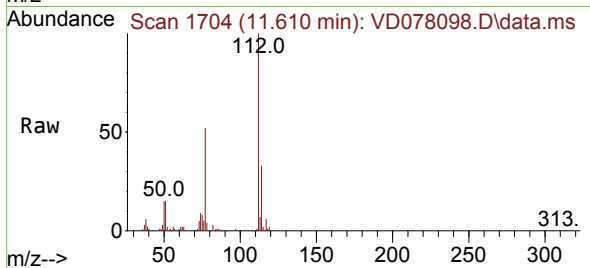
VSTDCCC050

Tgt Ion:112 Resp: 262284

Ion Ratio Lower Upper

112 100

114 32.8 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 51.069 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

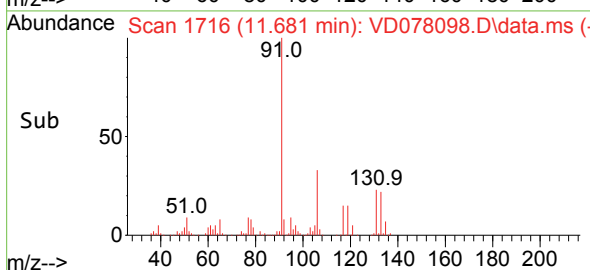
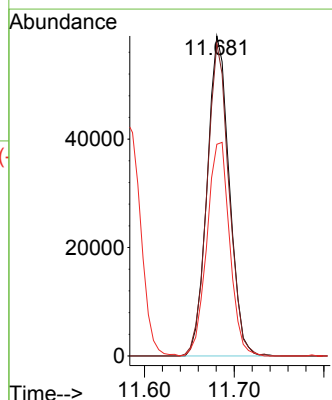
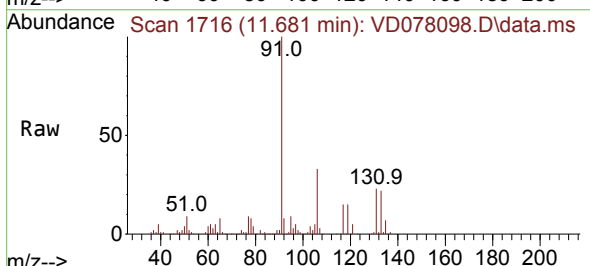
Tgt Ion:131 Resp: 101176

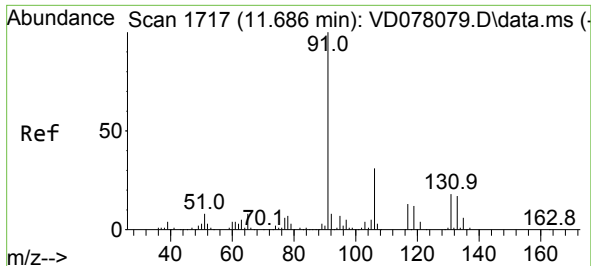
Ion Ratio Lower Upper

131 100

133 97.1 48.5 145.5

119 68.8 35.6 106.9





#67

Ethyl Benzene

Concen: 49.844 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

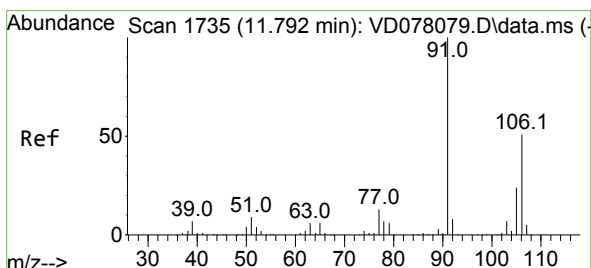
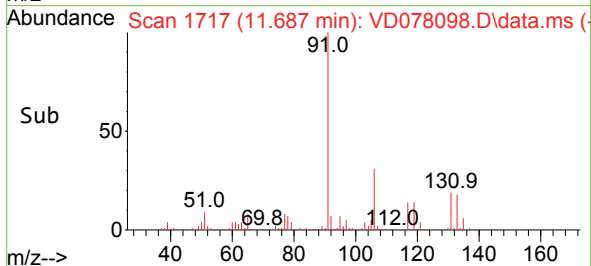
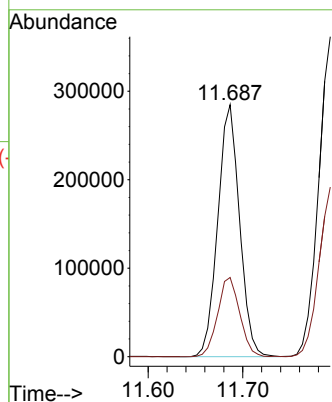
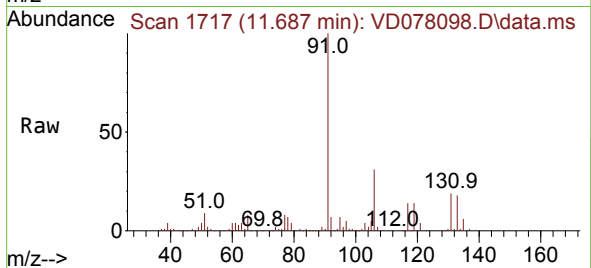
VSTDCCC050

Tgt Ion: 91 Resp: 454841

Ion Ratio Lower Upper

91 100

106 31.4 26.5 39.7



#68

m/p-Xylenes

Concen: 101.220 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078098.D

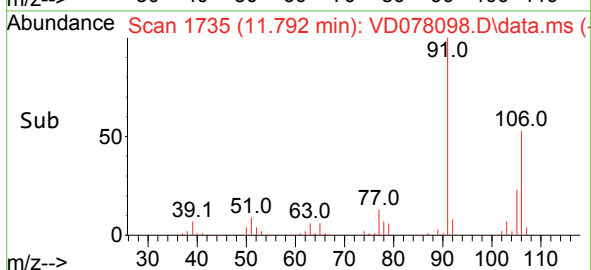
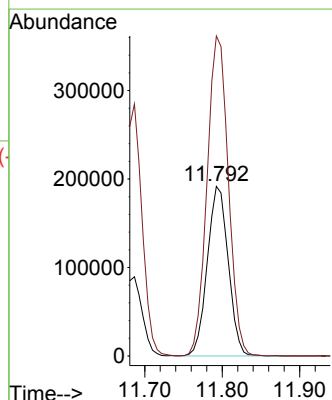
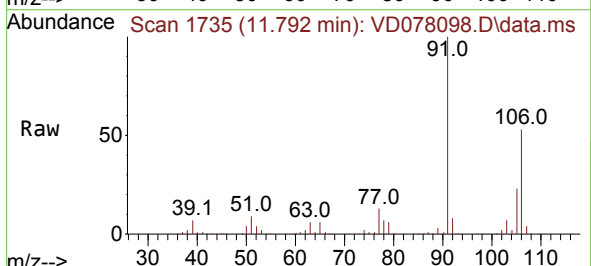
Acq: 29 Dec 2023 09:22

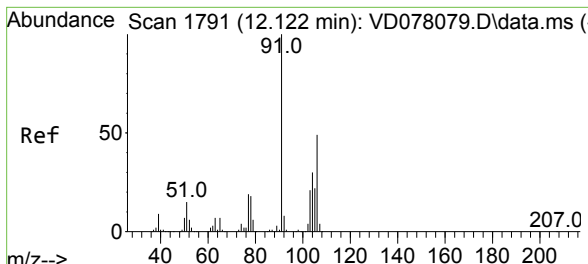
Tgt Ion:106 Resp: 359478

Ion Ratio Lower Upper

106 100

91 191.8 147.0 220.6

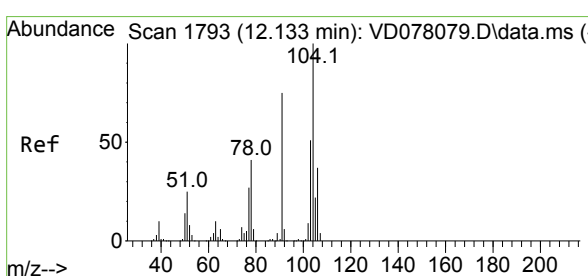
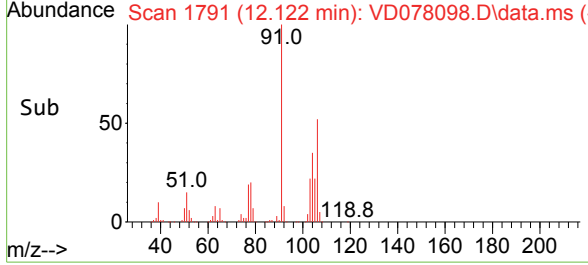
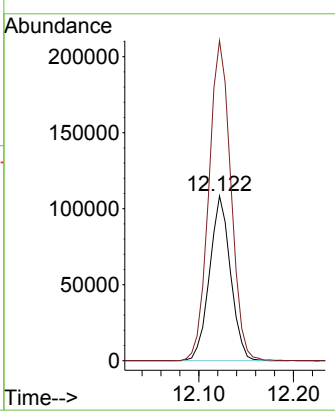
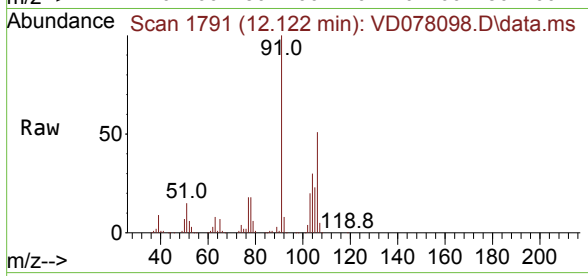




#69
o-Xylene
Concen: 50.296 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

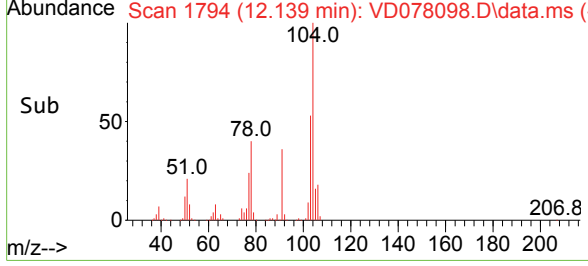
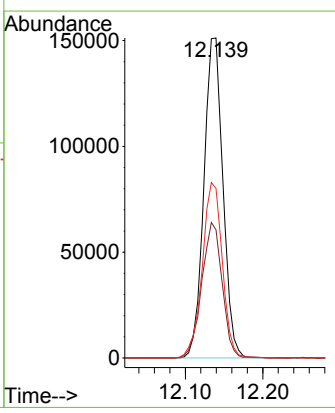
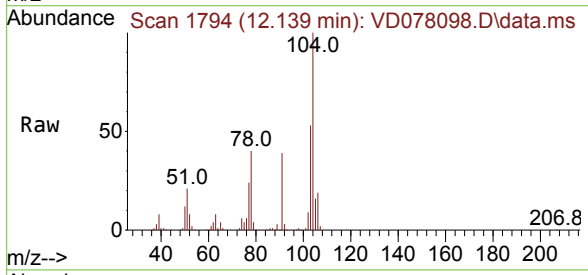
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

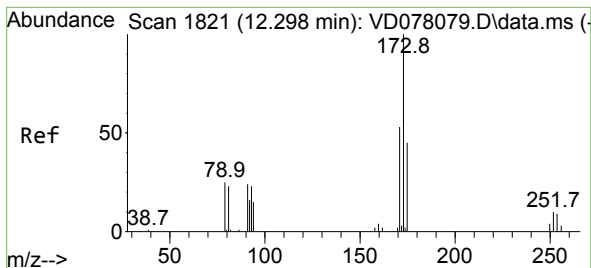
Tgt Ion:	106	Resp:	166481
Ion Ratio	Lower	Upper	
106	100		
91	204.4	97.9	293.6



#70
Styrene
Concen: 52.875 ug/l
RT: 12.139 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:	104	Resp:	258404
Ion Ratio	Lower	Upper	
104	100		
78	45.2	33.2	49.8
103	57.7	43.6	65.4





#71

Bromoform

Concen: 54.219 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

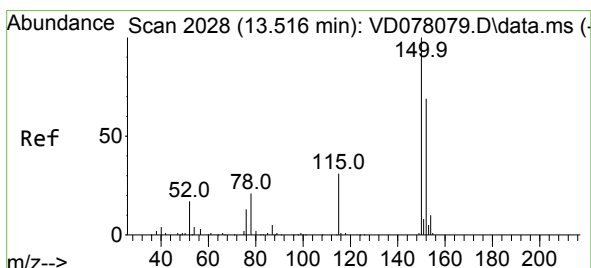
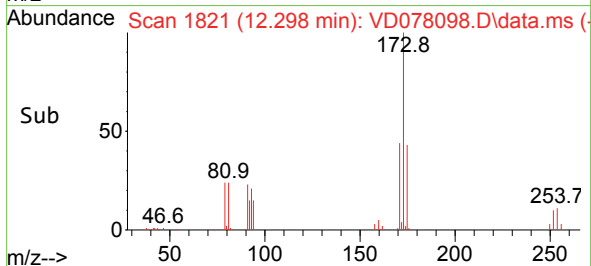
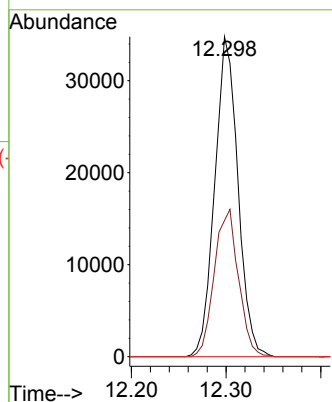
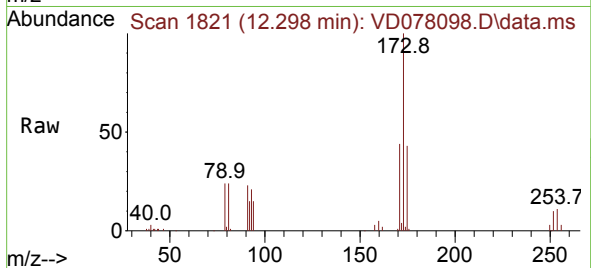
Tgt Ion:173 Resp: 59262

Ion Ratio Lower Upper

173 100

175 47.9 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

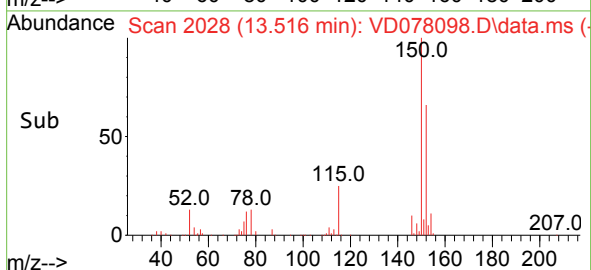
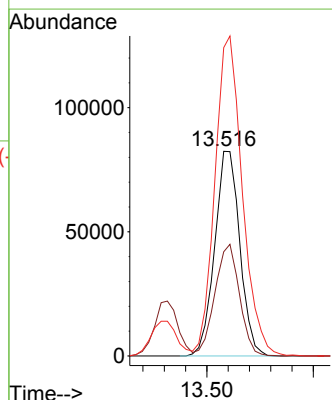
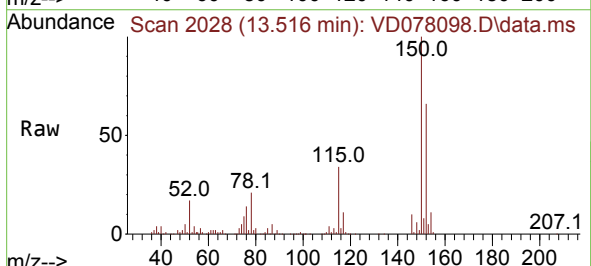
Tgt Ion:152 Resp: 134746

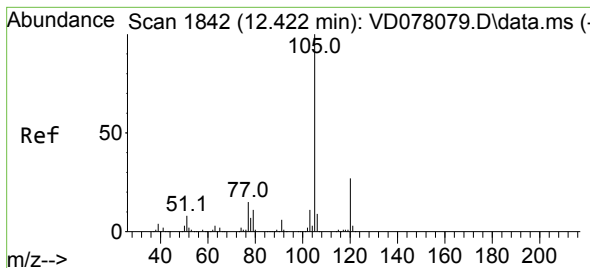
Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.3

150 170.7 0.0 353.6





#73

Isopropylbenzene

Concen: 48.359 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

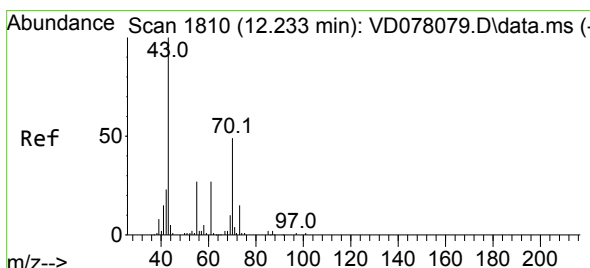
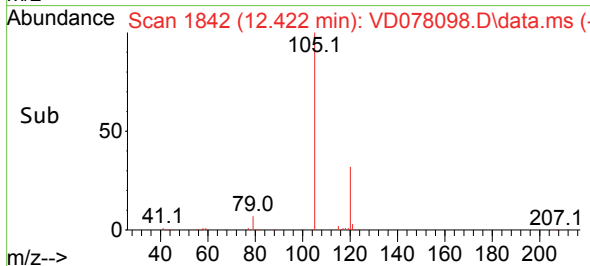
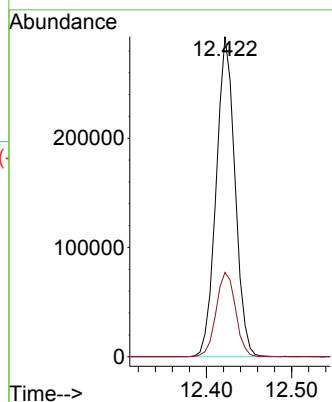
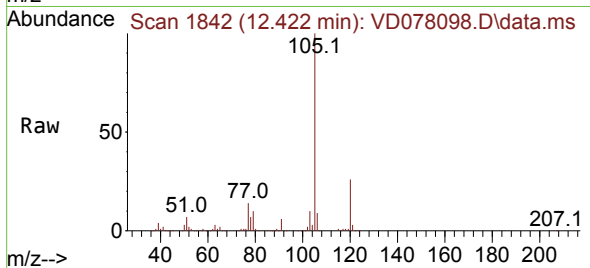
VSTDCCC050

Tgt Ion:105 Resp: 448806

Ion Ratio Lower Upper

105 100

120 27.2 14.3 42.9



#74

N-ethyl acetate

Concen: 48.701 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Tgt Ion: 43 Resp: 75032

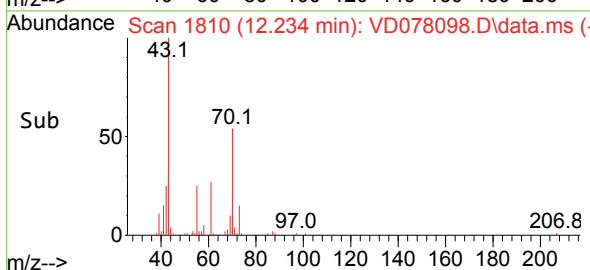
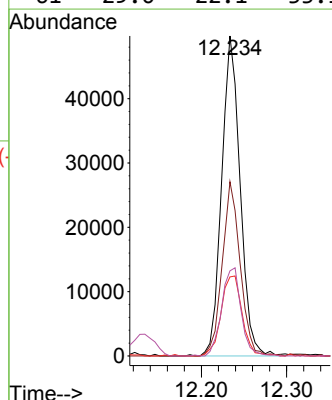
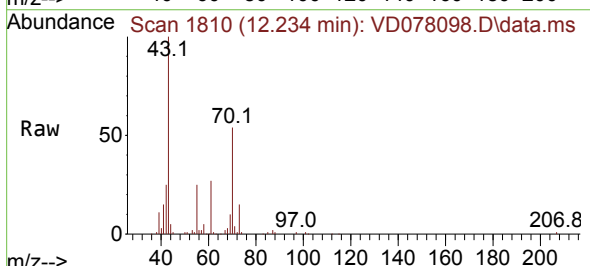
Ion Ratio Lower Upper

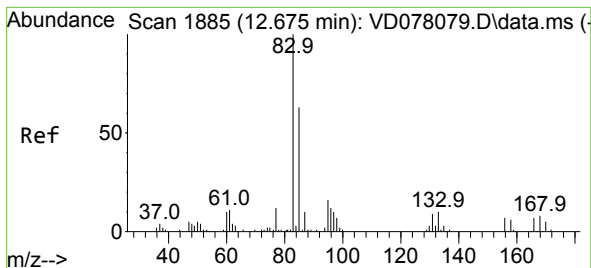
43 100

70 53.1 45.0 67.4

55 28.5 23.8 35.6

61 29.0 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.193 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

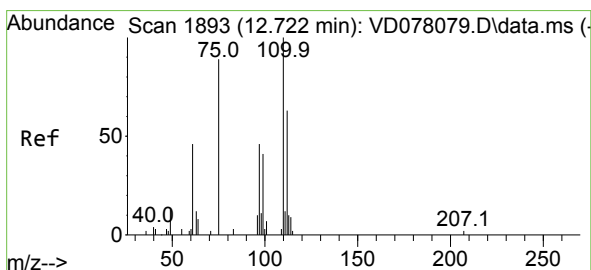
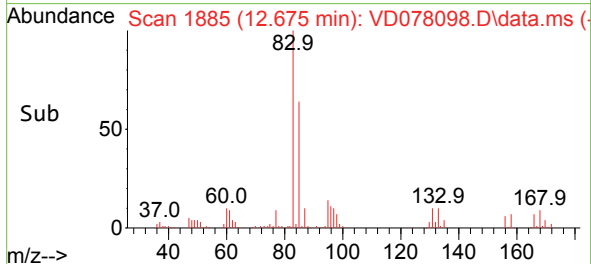
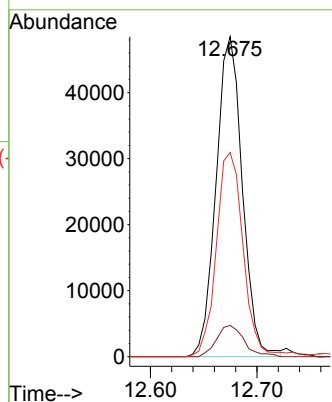
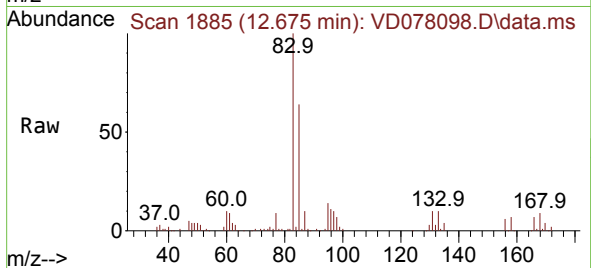
Tgt Ion: 83 Resp: 82975

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 65.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 90.484 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD078098.D

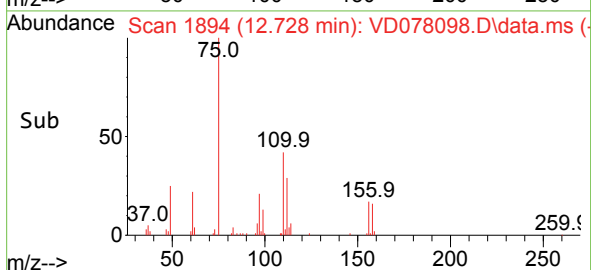
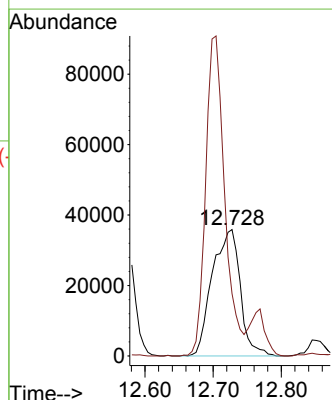
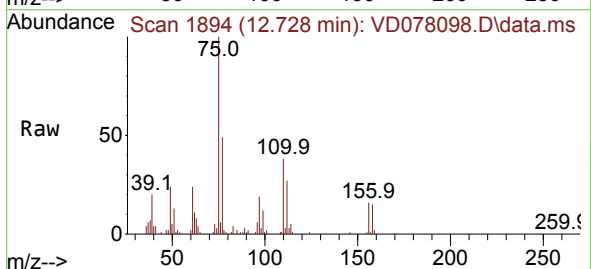
Acq: 29 Dec 2023 09:22

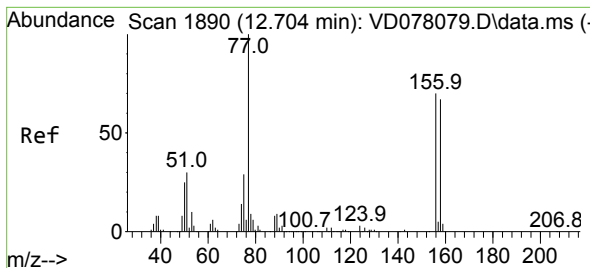
Tgt Ion: 75 Resp: 102863

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.655 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

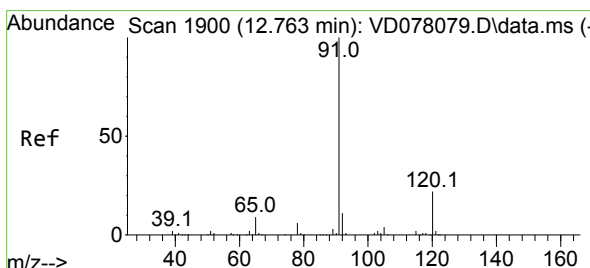
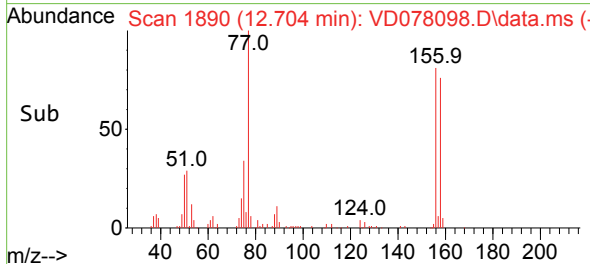
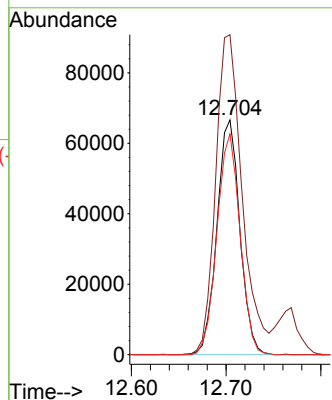
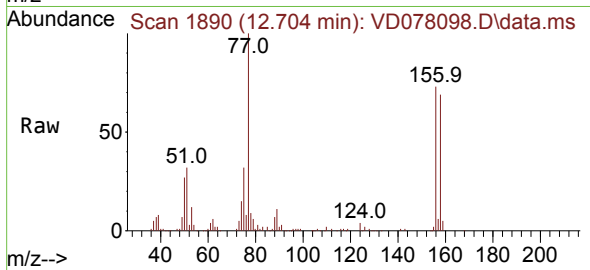
Tgt Ion:156 Resp: 112107

Ion Ratio Lower Upper

156 100

77 158.0 76.8 230.4

158 94.7 48.6 145.9



#78

n-propylbenzene

Concen: 47.516 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD078098.D

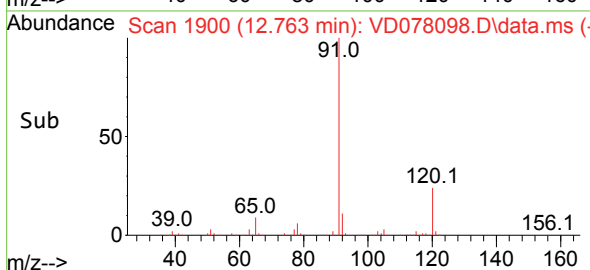
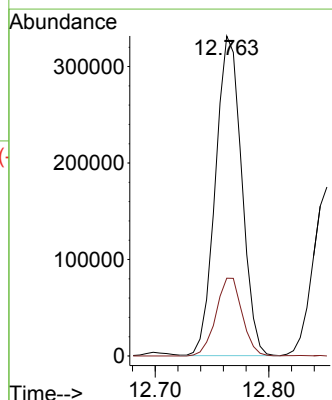
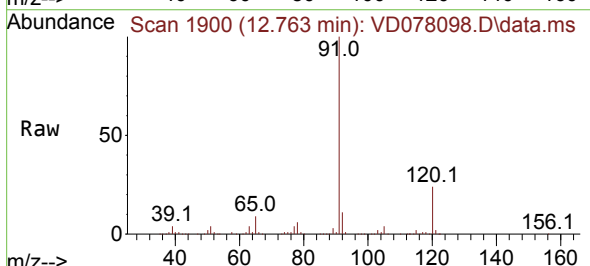
Acq: 29 Dec 2023 09:22

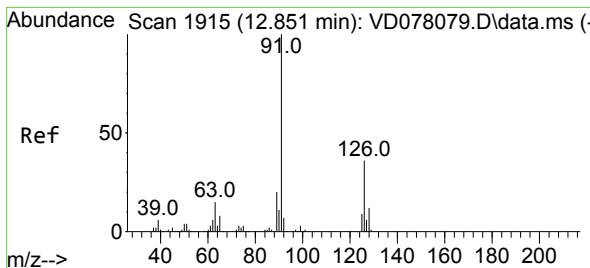
Tgt Ion: 91 Resp: 530815

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.2





#79

2-Chlorotoluene

Concen: 48.542 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

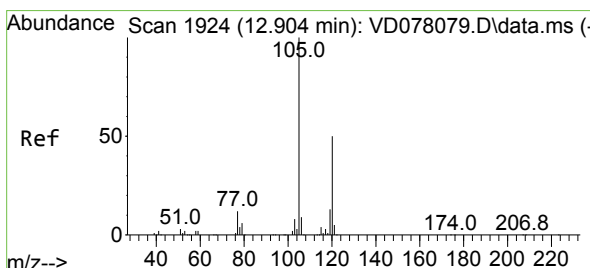
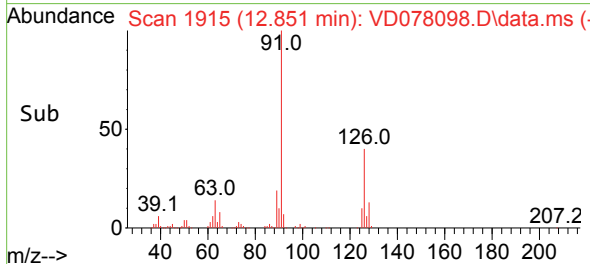
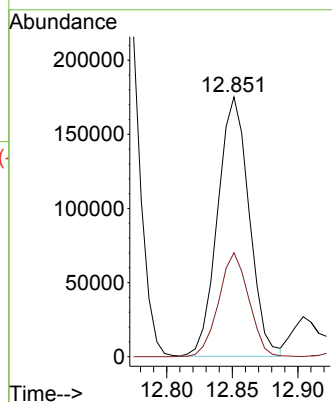
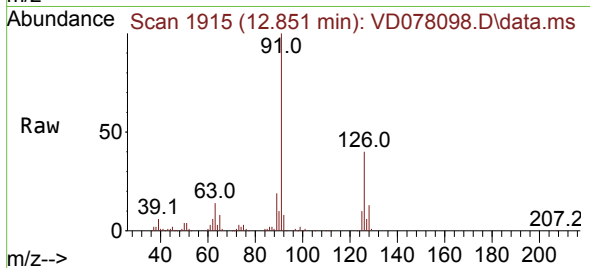
VSTDCCC050

Tgt Ion: 91 Resp: 293309

Ion Ratio Lower Upper

91 100

126 38.2 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 49.134 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078098.D

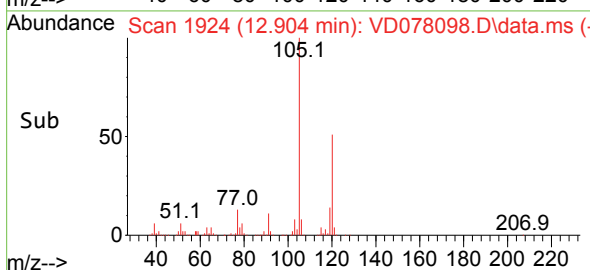
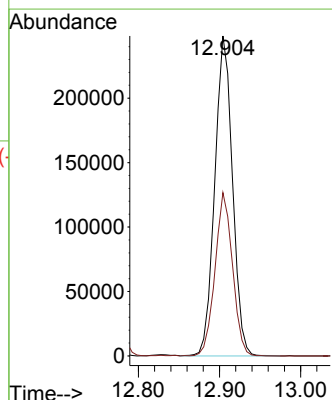
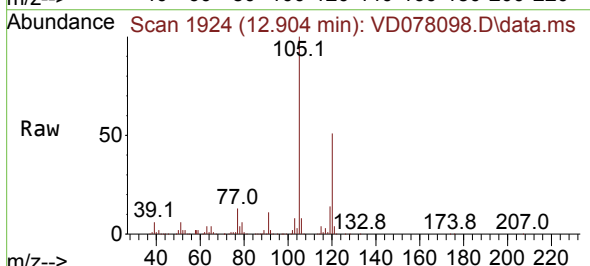
Acq: 29 Dec 2023 09:22

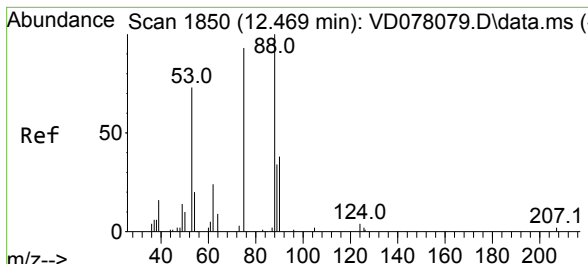
Tgt Ion: 105 Resp: 377166

Ion Ratio Lower Upper

105 100

120 50.3 26.4 79.2

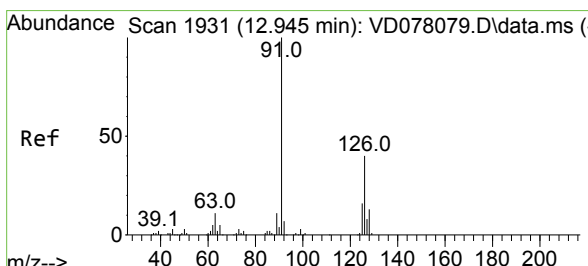
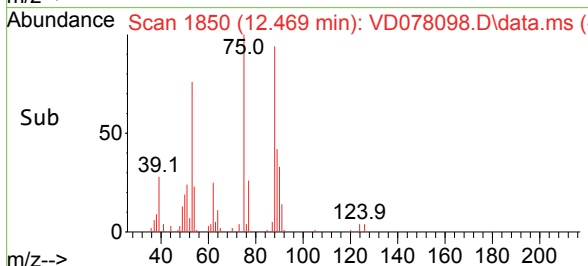
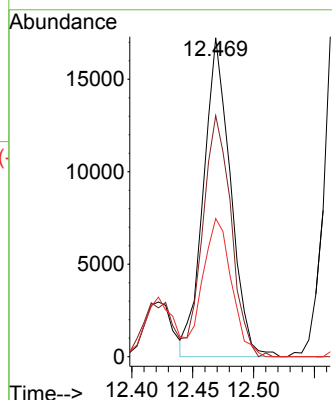
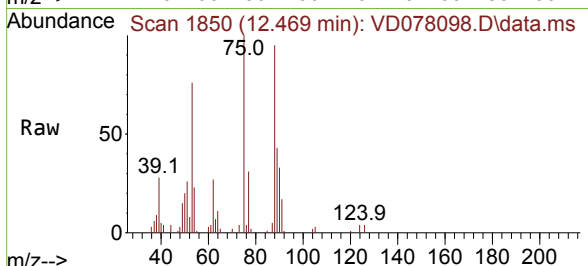




#81
trans-1,4-Dichloro-2-butene
Concen: 50.433 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

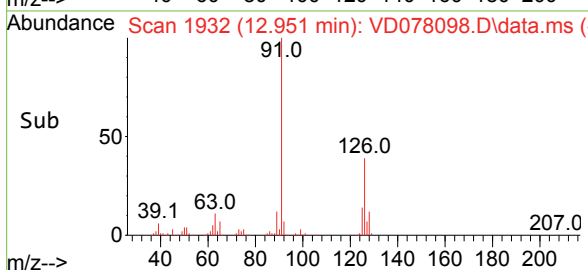
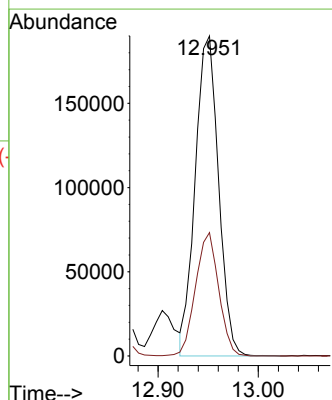
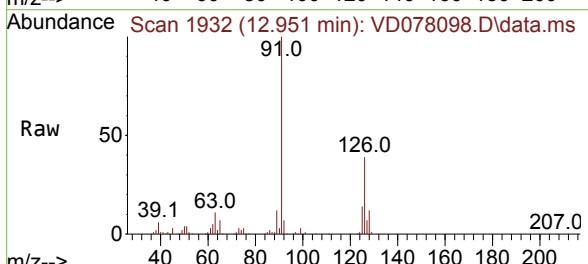
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

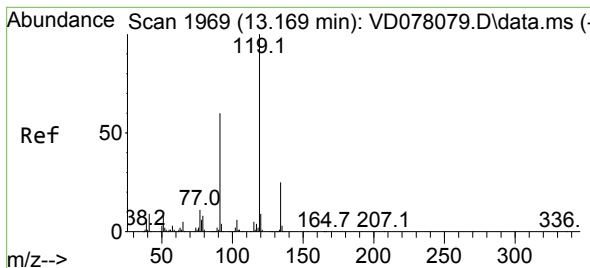
Tgt Ion: 75 Resp: 26607
Ion Ratio Lower Upper
75 100
53 78.9 63.0 94.4
89 45.8 37.9 56.9



#82
4-Chlorotoluene
Concen: 47.427 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 91 Resp: 307241
Ion Ratio Lower Upper
91 100
126 38.3 19.4 58.4

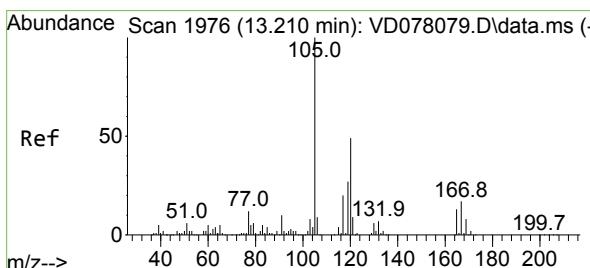
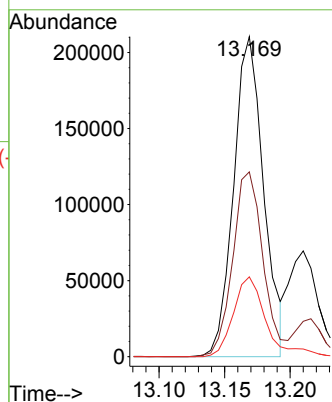
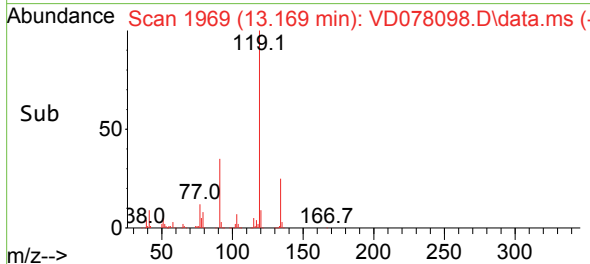
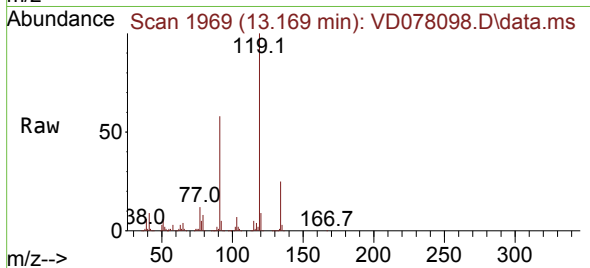




#83
tert-Butylbenzene
Concen: 48.716 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

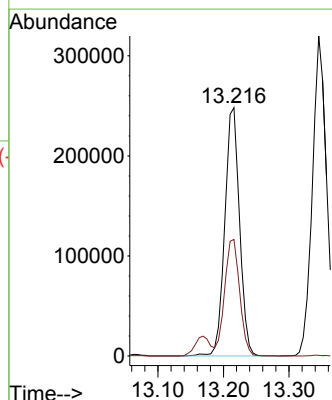
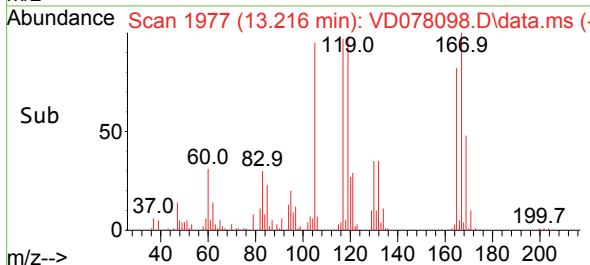
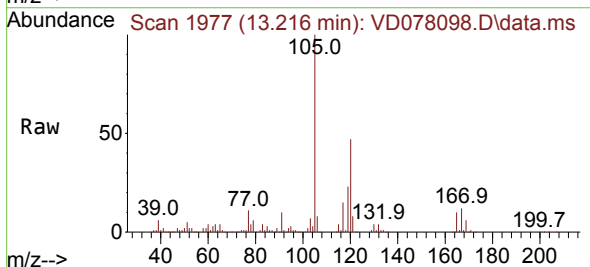
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

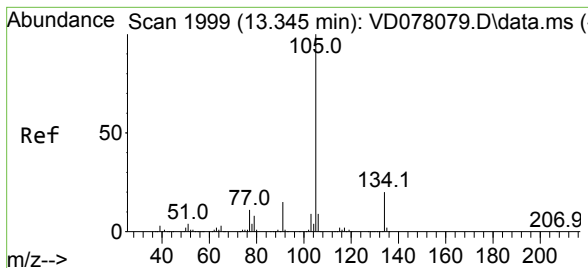
Tgt Ion:119 Resp: 334982
Ion Ratio Lower Upper
119 100
91 58.7 29.3 87.8
134 27.2 14.1 42.3



#84
1,2,4-Trimethylbenzene
Concen: 49.517 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:105 Resp: 387165
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.9

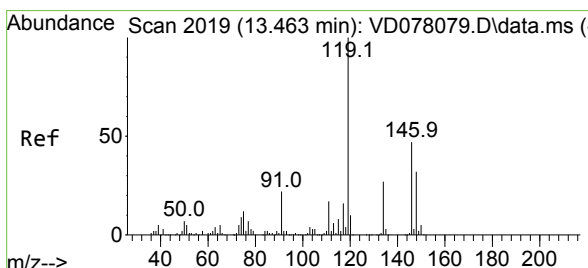
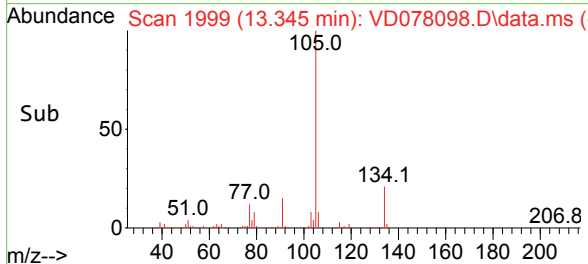
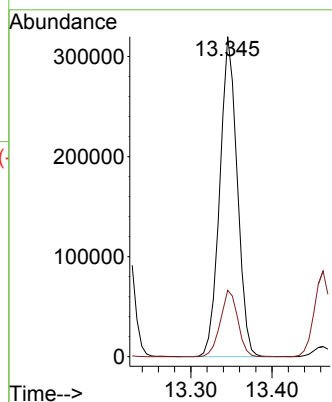
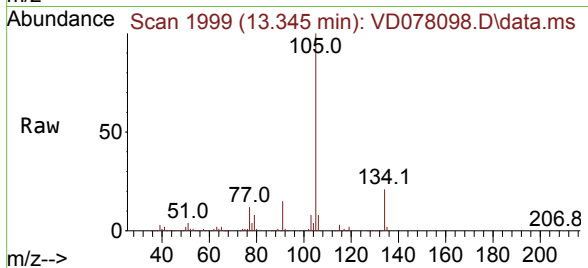




#85
 sec-Butylbenzene
 Concen: 48.799 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD078098.D
 Acq: 29 Dec 2023 09:22

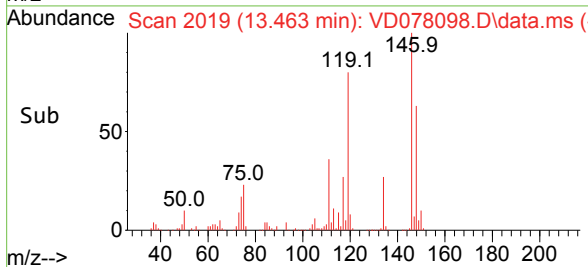
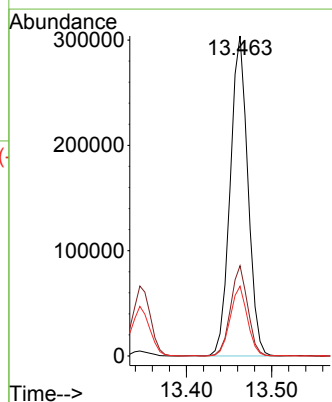
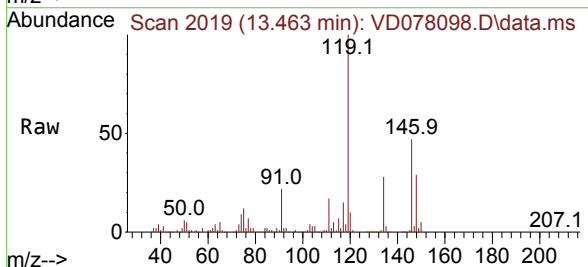
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

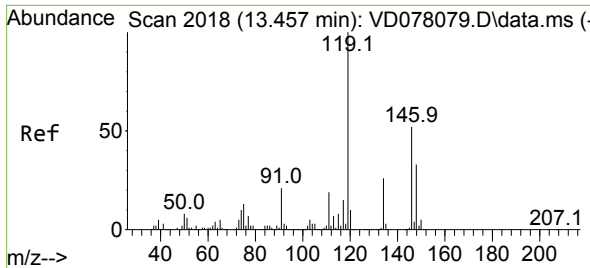
Tgt Ion:105 Resp: 479067
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 49.830 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD078098.D
 Acq: 29 Dec 2023 09:22

Tgt Ion:119 Resp: 437785
 Ion Ratio Lower Upper
 119 100
 134 27.3 14.2 42.6
 91 21.3 10.5 31.5

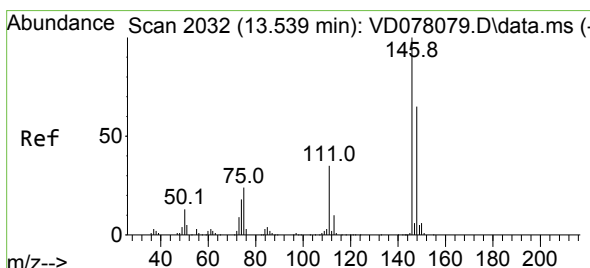
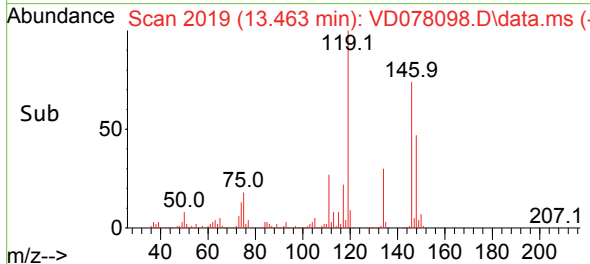
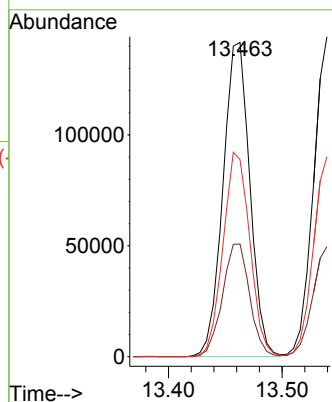
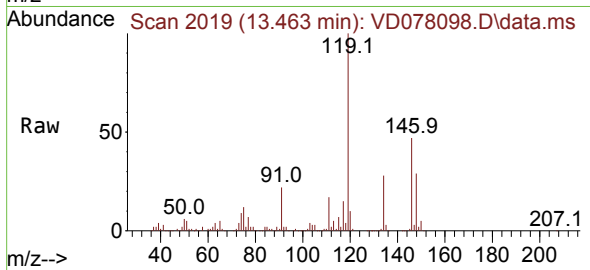




#87
1,3-Dichlorobenzene
Concen: 49.901 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

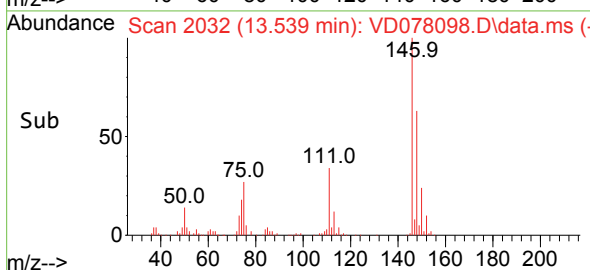
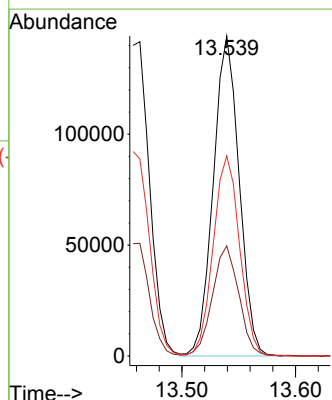
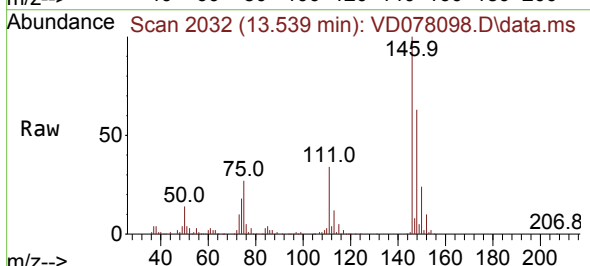
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

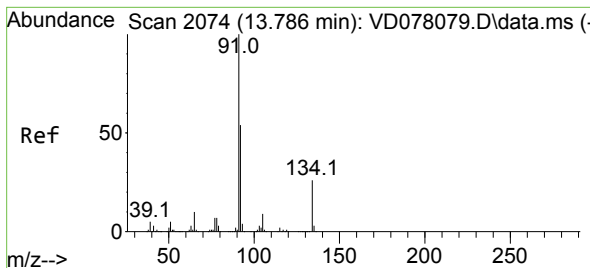
Tgt Ion:146 Resp: 233102
Ion Ratio Lower Upper
146 100
111 36.4 17.9 53.8
148 64.9 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 49.884 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion:146 Resp: 228542
Ion Ratio Lower Upper
146 100
111 35.1 17.4 52.3
148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 48.937 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

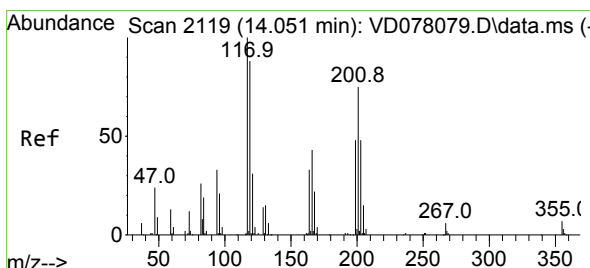
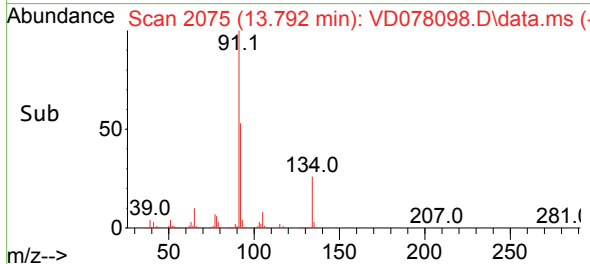
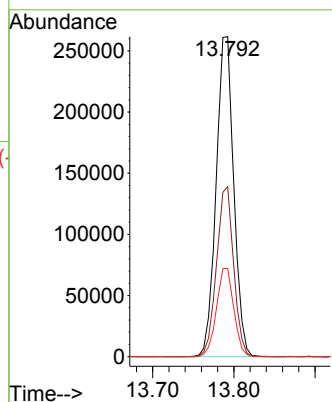
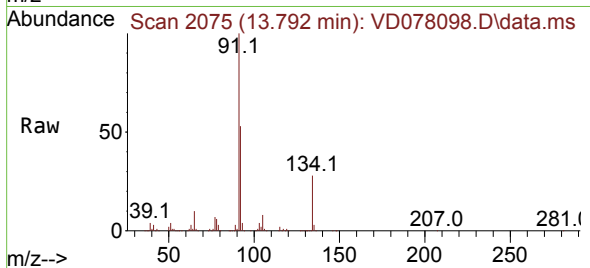
Tgt Ion: 91 Resp: 394634

Ion Ratio Lower Upper

91 100

92 51.7 26.5 79.5

134 27.2 13.8 41.3



#90

Hexachloroethane

Concen: 48.917 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD078098.D

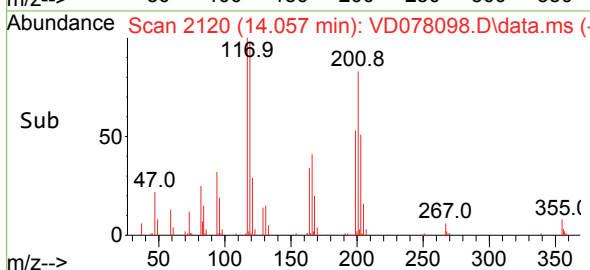
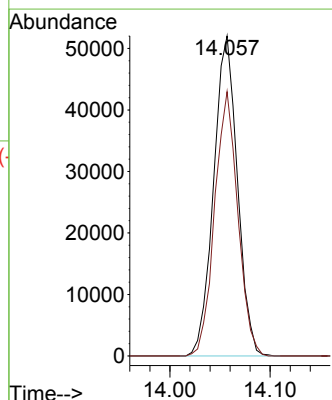
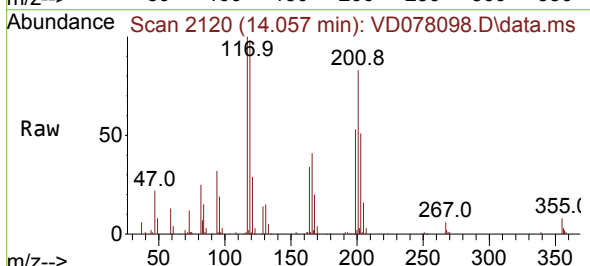
Acq: 29 Dec 2023 09:22

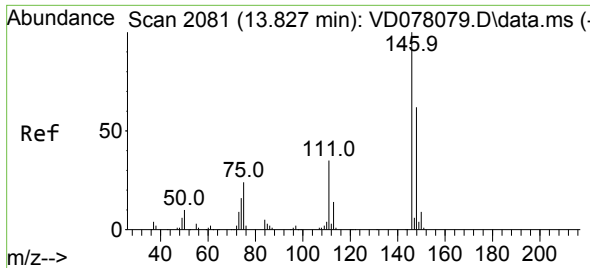
Tgt Ion: 117 Resp: 85918

Ion Ratio Lower Upper

117 100

201 80.2 38.5 115.5

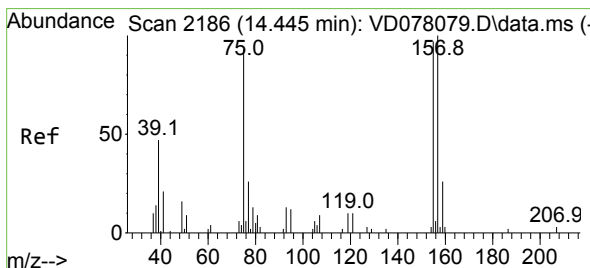
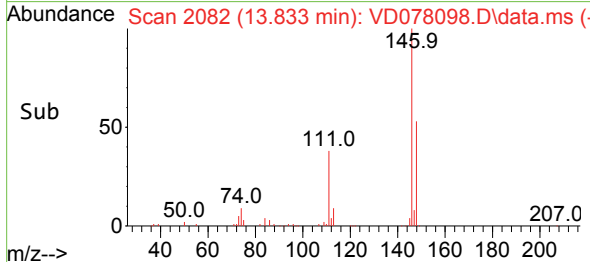
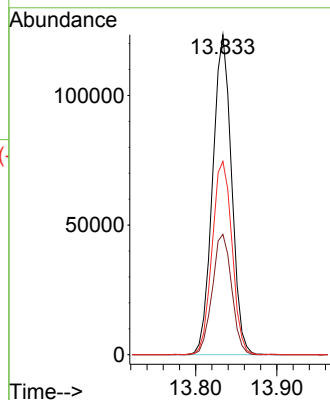
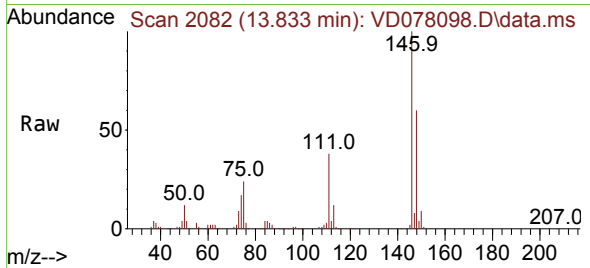




#91
1,2-Dichlorobenzene
Concen: 49.813 ug/l
RT: 13.833 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

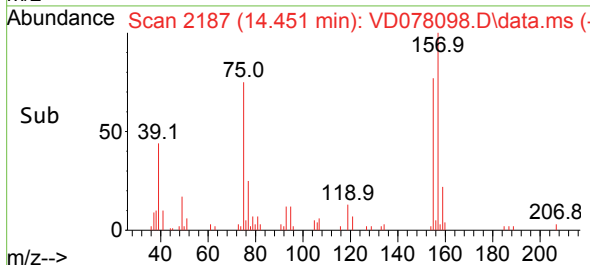
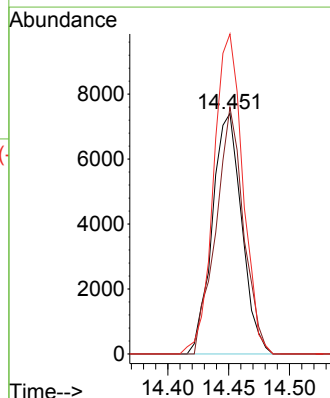
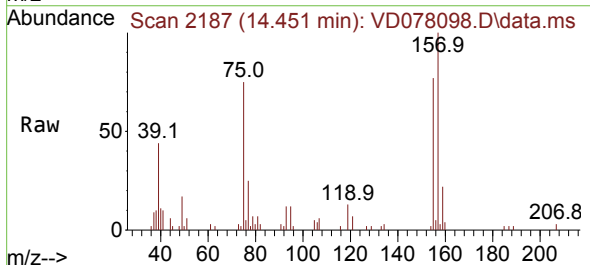
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

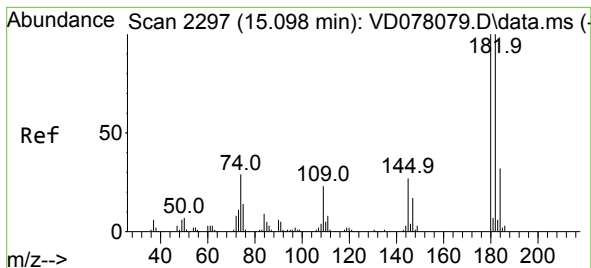
Tgt Ion:146 Resp: 199835
Ion Ratio Lower Upper
146 100
111 38.6 18.3 54.8
148 63.4 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.705 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD078098.D
Acq: 29 Dec 2023 09:22

Tgt Ion: 75 Resp: 12451
Ion Ratio Lower Upper
75 100
155 96.5 47.9 143.8
157 131.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 49.866 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

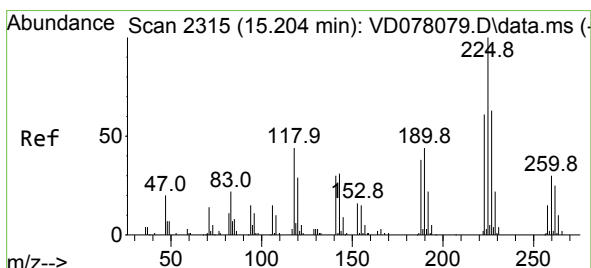
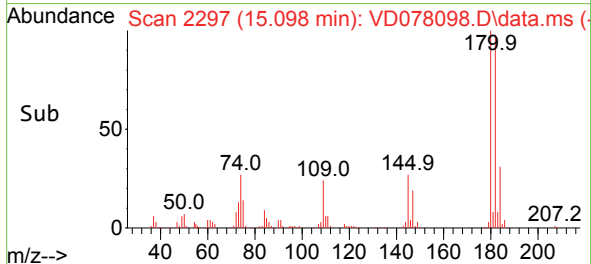
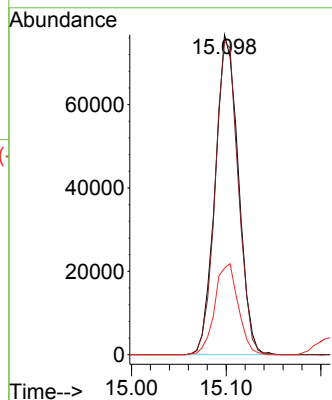
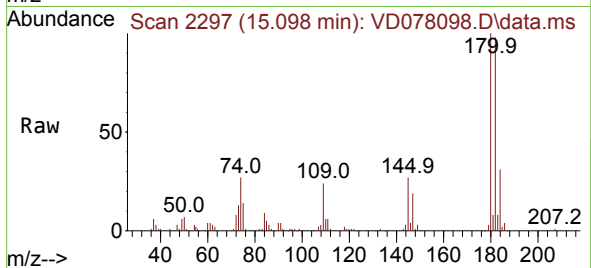
Tgt Ion:180 Resp: 130609

Ion Ratio Lower Upper

180 100

182 97.6 48.5 145.6

145 28.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 50.772 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

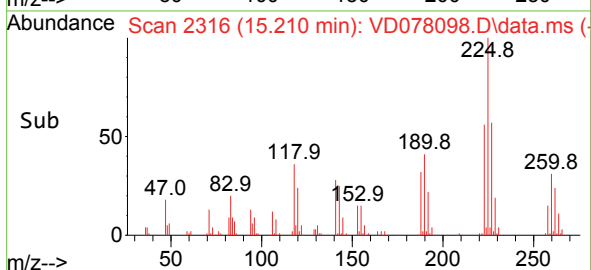
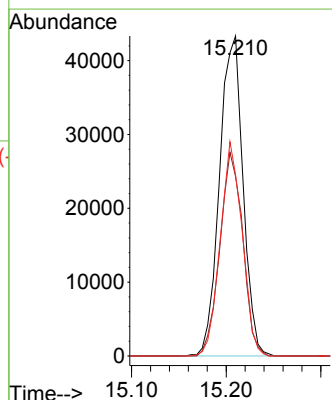
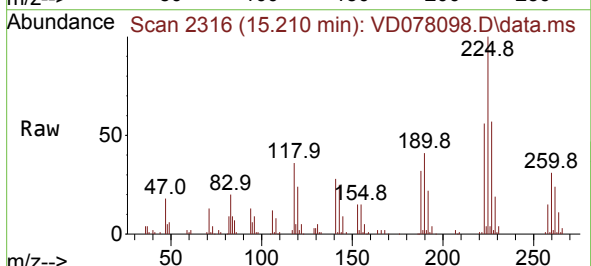
Tgt Ion:225 Resp: 74714

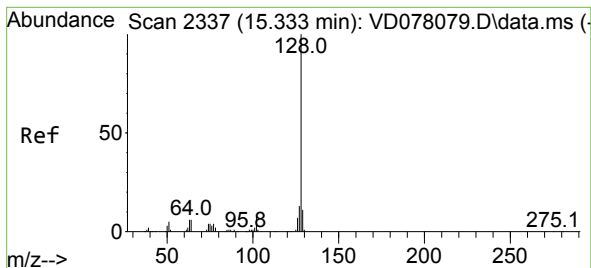
Ion Ratio Lower Upper

225 100

223 61.9 31.6 94.8

227 62.5 31.7 95.1





#95

Naphthalene

Concen: 53.021 ug/l

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

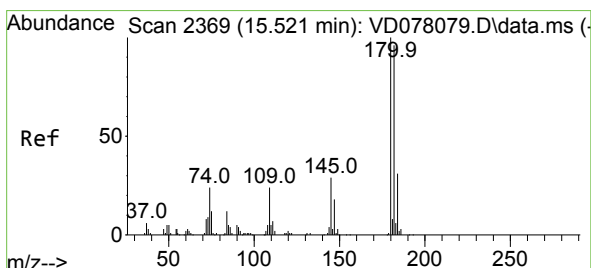
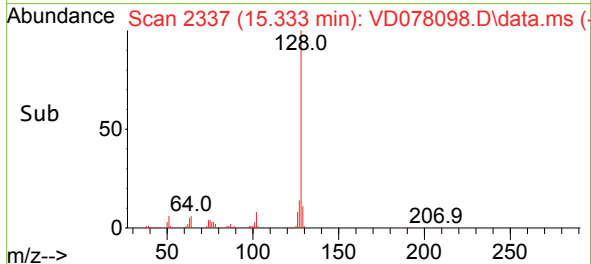
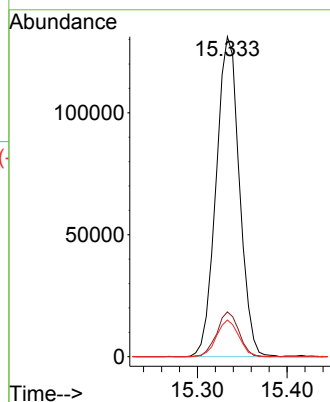
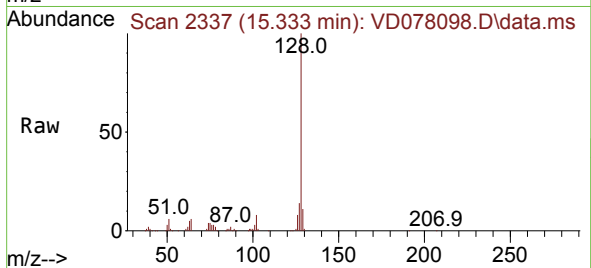
Tgt Ion:128 Resp: 236417

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 53.671 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078098.D

Acq: 29 Dec 2023 09:22

Tgt Ion:180 Resp: 119277

Ion Ratio Lower Upper

180 100

182 93.2 47.3 141.9

145 29.2 15.1 45.3

