

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077122.D
 Acq On : 18 Sep 2023 11:12
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 03:48:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 03:32:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	212759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	360421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	174776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42663	19.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.740%#
35) Dibromofluoromethane	7.805	113	51360	20.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.040%#
50) Toluene-d8	10.269	98	180740	20.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.560%#
62) 4-Bromofluorobenzene	12.575	95	57358	20.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	50051	22.764	ug/l	96
3) Chloromethane	2.146	50	92283	22.706	ug/l	99
4) Vinyl Chloride	2.281	62	98918	22.752	ug/l	97
5) Bromomethane	2.681	94	69551	21.965	ug/l	96
6) Chloroethane	2.828	64	66220	24.478	ug/l	99
7) Trichlorofluoromethane	3.170	101	91483	23.280	ug/l	97
8) Diethyl Ether	3.587	74	25354	19.991	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.964	101	51194	20.837	ug/l	96
10) Methyl Iodide	4.158	142	75662	21.546	ug/l	92
11) Tert butyl alcohol	5.052	59	6775	55.341	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	50646	20.463	ug/l	87
13) Acrolein	3.799	56	12997	147.360	ug/l	98
14) Allyl chloride	4.564	41	61535	20.378	ug/l	93
15) Acrylonitrile	5.246	53	53906	101.360	ug/l	99
16) Acetone	4.022	43	47217	96.215	ug/l	88
17) Carbon Disulfide	4.270	76	175119	21.493	ug/l #	95
18) Methyl Acetate	4.564	43	37756	20.346	ug/l	91
19) Methyl tert-butyl Ether	5.311	73	105456	19.691	ug/l	97
20) Methylene Chloride	4.805	84	79593	21.472	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	61249	20.472	ug/l	95
22) Diisopropyl ether	6.216	45	138404	20.272	ug/l	97
23) Vinyl Acetate	6.152	43	325673	118.125	ug/l #	92
24) 1,1-Dichloroethane	6.111	63	101591	20.732	ug/l	98
25) 2-Butanone	7.081	43	61419	95.131	ug/l	93
26) 2,2-Dichloropropane	7.081	77	84511	20.318	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	70708	21.023	ug/l	99
28) Bromochloromethane	7.428	49	31321	20.816	ug/l	88
29) Tetrahydrofuran	7.446	42	36152	95.786	ug/l	91
30) Chloroform	7.593	83	111484	21.110	ug/l	88
31) Cyclohexane	7.881	56	77886	20.734	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	92702	21.030	ug/l	99
36) 1,1-Dichloropropene	8.011	75	79361	21.049	ug/l	97
37) Ethyl Acetate	7.175	43	28973	20.030	ug/l #	73
38) Carbon Tetrachloride	7.993	117	76730	20.706	ug/l	95
39) Methylcyclohexane	9.275	83	88265	20.347	ug/l	98
40) Benzene	8.252	78	244056	20.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	16822	21.788	ug/l	89
42) 1,2-Dichloroethane	8.328	62	59798	20.677	ug/l	97
43) Isopropyl Acetate	8.363	43	51858	19.472	ug/l	94
44) Trichloroethene	9.028	130	67188	20.811	ug/l	96
45) 1,2-Dichloropropane	9.305	63	57320	20.231	ug/l	94
46) Dibromomethane	9.393	93	34032	20.671	ug/l	93
47) Bromodichloromethane	9.581	83	81353	20.448	ug/l #	93
48) Methyl methacrylate	9.381	41	24813	20.477	ug/l	83
49) 1,4-Dioxane	9.393	88	5394	362.963	ug/l #	82
51) 4-Methyl-2-Pentanone	10.157	43	134733	96.731	ug/l	91
52) Toluene	10.334	92	154200	20.664	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	75272	20.251	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	91302	20.502	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	45550	20.341	ug/l #	93
56) Ethyl methacrylate	10.599	69	46754	19.434	ug/l	91
57) 1,3-Dichloropropane	10.881	76	73519	20.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	70930	78.296	ug/l	97
59) 2-Hexanone	10.922	43	94264	94.323	ug/l	89
60) Dibromochloromethane	11.075	129	55370	20.188	ug/l	96
61) 1,2-Dibromoethane	11.181	107	43623	20.151	ug/l	97
64) Tetrachloroethene	10.810	164	56753	21.307	ug/l	96
65) Chlorobenzene	11.604	112	164560	20.434	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	59649	20.245	ug/l	98
67) Ethyl Benzene	11.687	91	284295	20.538	ug/l	96
68) m/p-Xylenes	11.793	106	230026	41.502	ug/l	95
69) o-Xylene	12.122	106	103449	20.335	ug/l	95
70) Styrene	12.134	104	175845	20.289	ug/l	97
71) Bromoform	12.299	173	31661	19.386	ug/l #	100
73) Isopropylbenzene	12.422	105	264184	20.457	ug/l	98
74) N-amyl acetate	12.234	43	46664	19.236	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	48654	19.964	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	58888	40.817	ug/l #	100
77) Bromobenzene	12.698	156	66134	20.566	ug/l	96
78) n-propylbenzene	12.763	91	330695	20.950	ug/l	97
79) 2-Chlorotoluene	12.851	91	177386	20.378	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	224990	20.861	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	14203	19.283	ug/l	95
82) 4-Chlorotoluene	12.946	91	194199	21.227	ug/l	95
83) tert-Butylbenzene	13.169	119	192239	20.863	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	224272	20.507	ug/l	95
85) sec-Butylbenzene	13.346	105	289412	20.931	ug/l	95
86) p-Isopropyltoluene	13.463	119	241085	20.553	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	133616	20.205	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	133721	20.552	ug/l	98
89) n-Butylbenzene	13.787	91	219665	20.300	ug/l	99
90) Hexachloroethane	14.057	117	48860	21.003	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	116509	20.548	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6125	18.822	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	69695	19.923	ug/l	98
94) Hexachlorobutadiene	15.204	225	38245	20.631	ug/l	96
95) Naphthalene	15.334	128	122851	19.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	59208	19.042	ug/l	97

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QLast Update : Tue Sep 19 03:32:44 2023
Response via : Initial Calibration

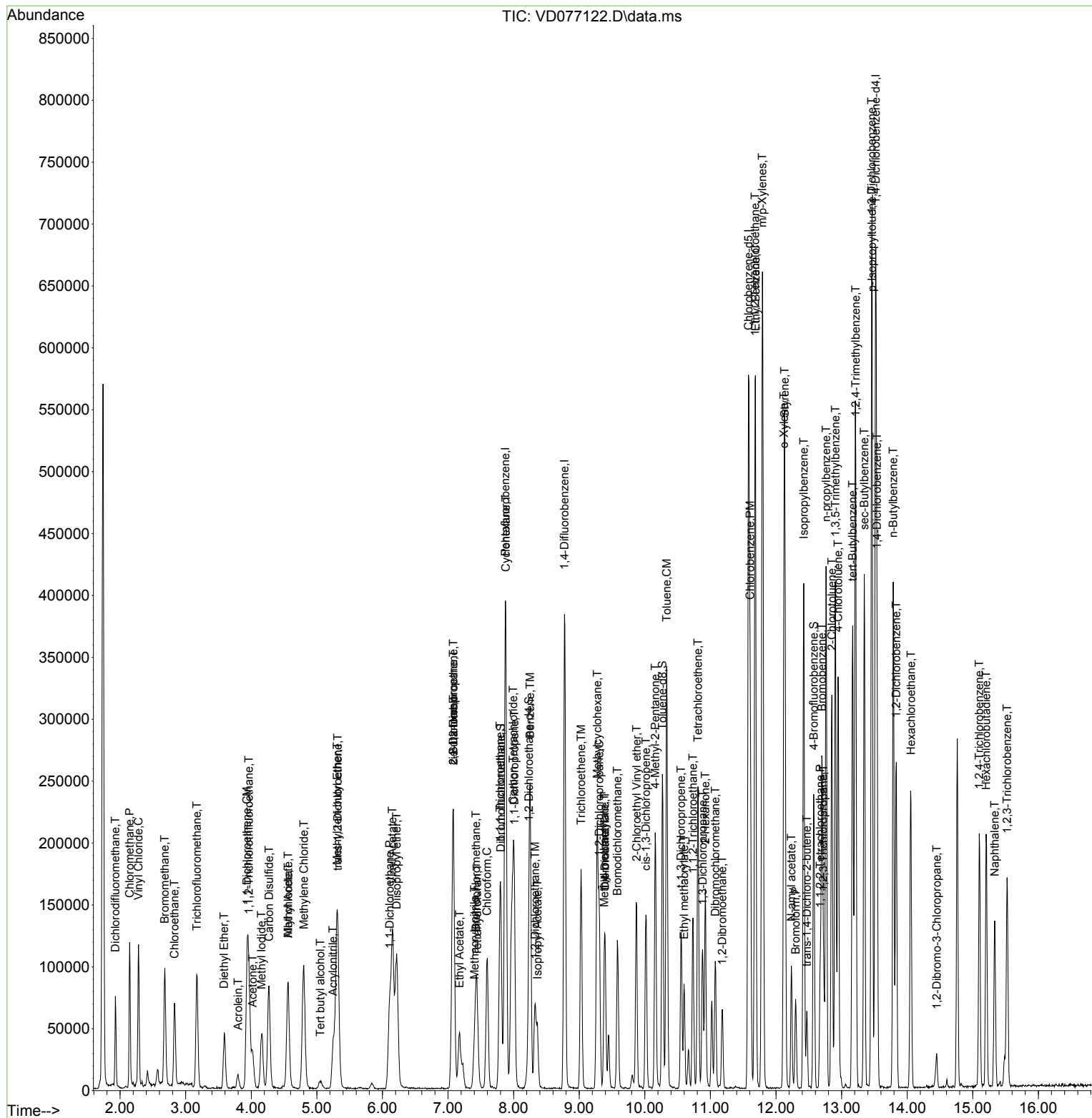
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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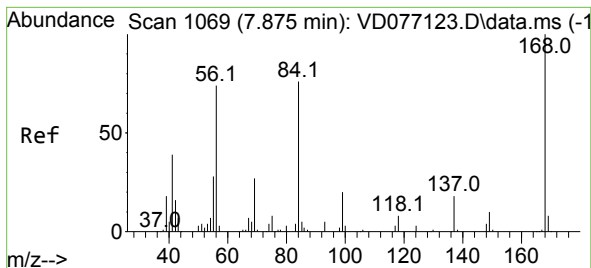
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077122.D

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Instrument :

MSVOA_D

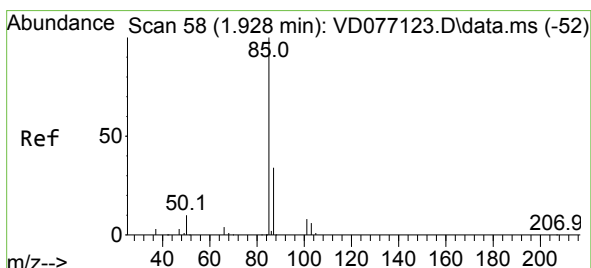
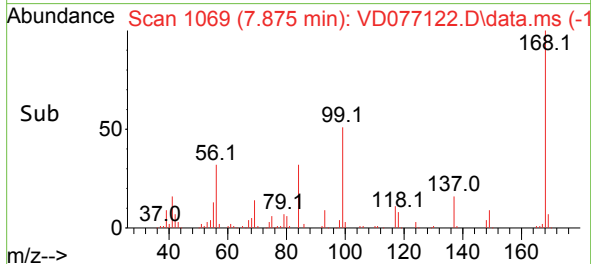
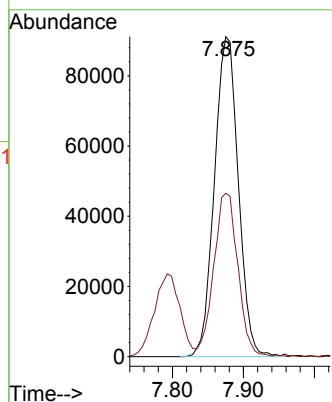
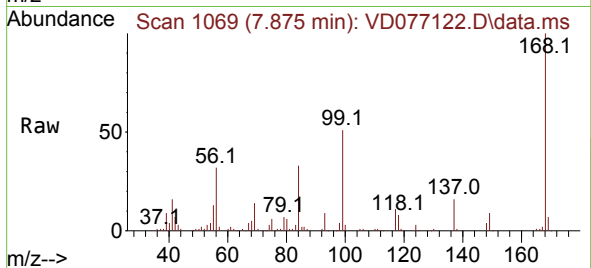
ClientSampleId :

Tgt Ion:168 Resp: 212759

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 22.764 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD077122.D

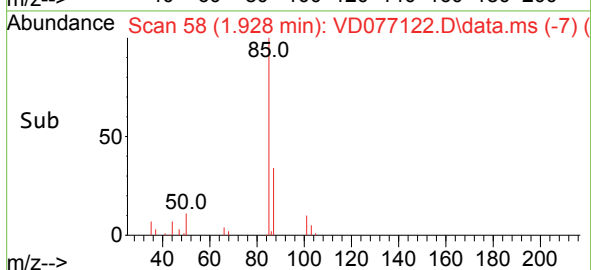
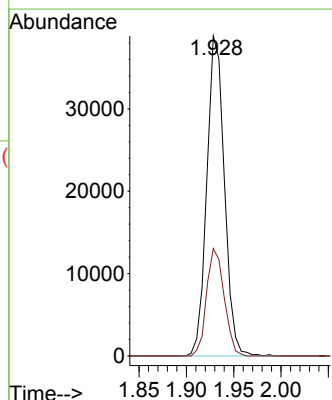
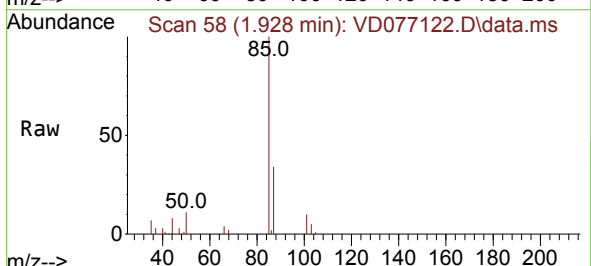
Acq: 18 Sep 2023 11:12

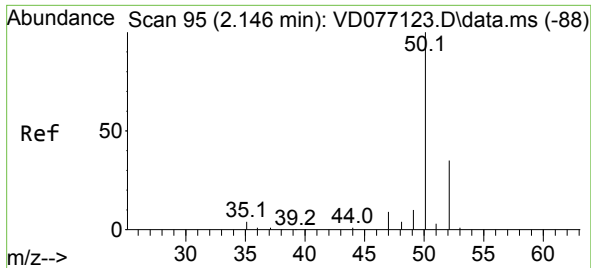
Tgt Ion: 85 Resp: 50051

Ion Ratio Lower Upper

85 100

87 33.6 15.7 47.0

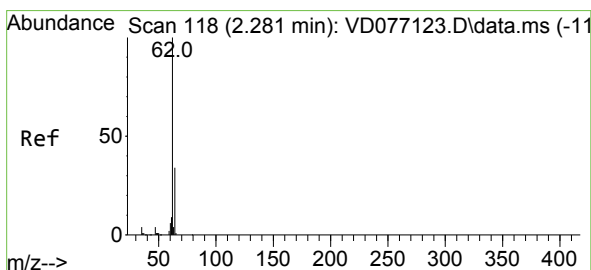
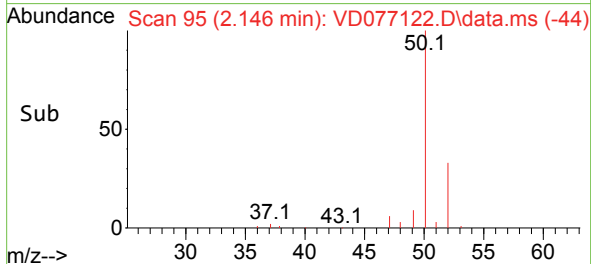
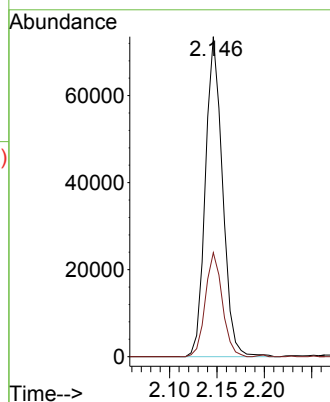
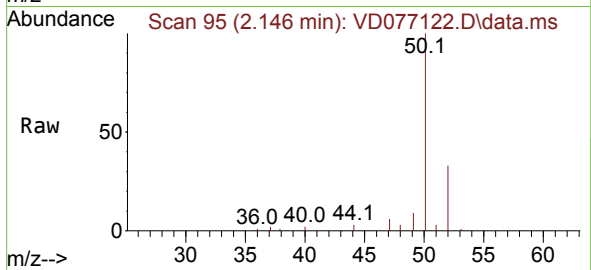




#3
Chloromethane
Concen: 22.706 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

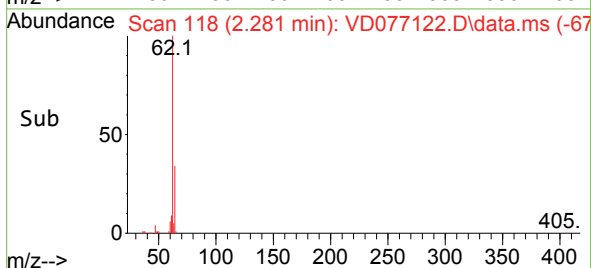
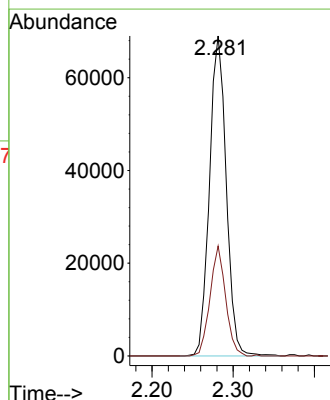
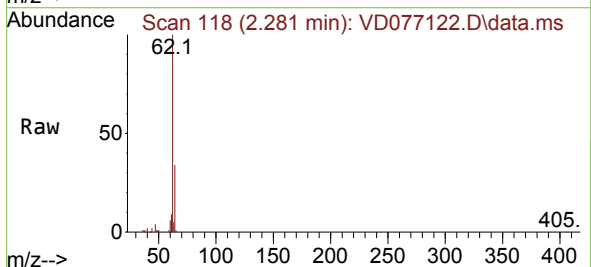
Instrument :
MSVOA_D
ClientSampleId :

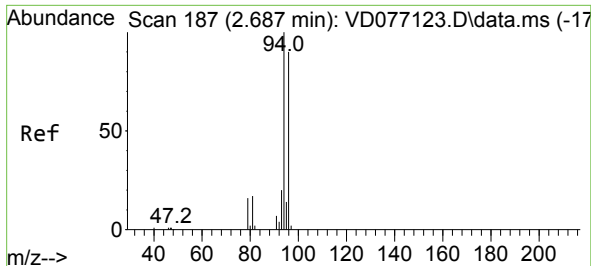
Tgt Ion: 50 Resp: 92283
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0



#4
Vinyl Chloride
Concen: 22.752 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 62 Resp: 98918
Ion Ratio Lower Upper
62 100
64 34.3 26.0 39.0

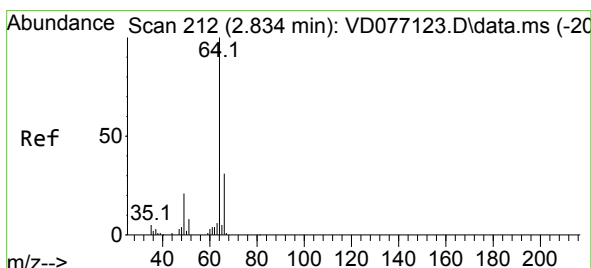
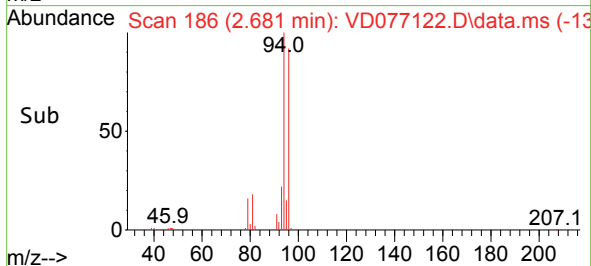
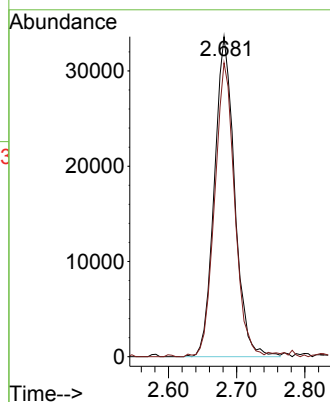
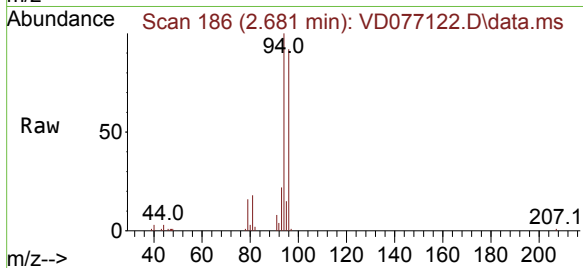




#5
Bromomethane
Concen: 21.965 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077122.D
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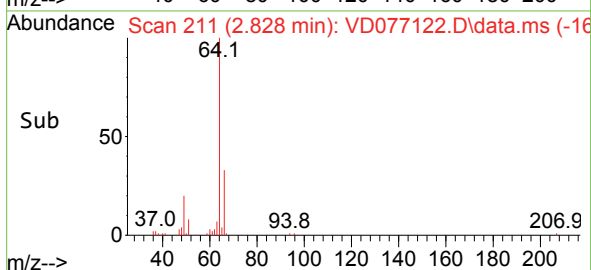
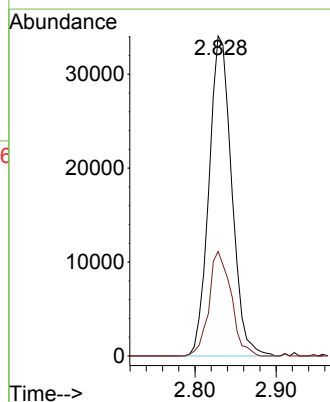
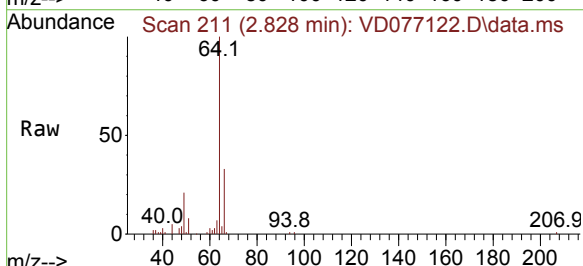
Instrument :
MSVOA_D
ClientSampleId :

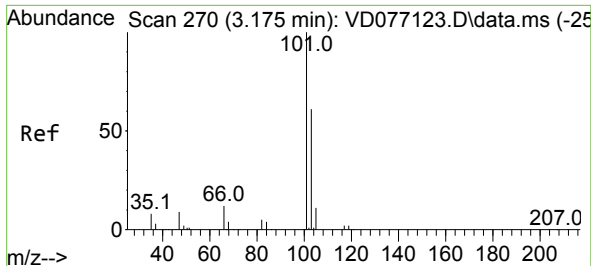
Tgt Ion: 94 Resp: 69551
Ion Ratio Lower Upper
94 100
96 90.5 75.8 113.8



#6
Chloroethane
Concen: 24.478 ug/l
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 64 Resp: 66220
Ion Ratio Lower Upper
64 100
66 32.7 25.5 38.3

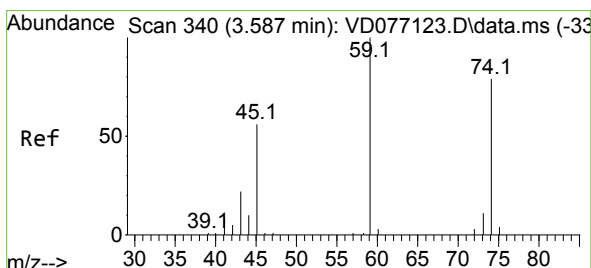
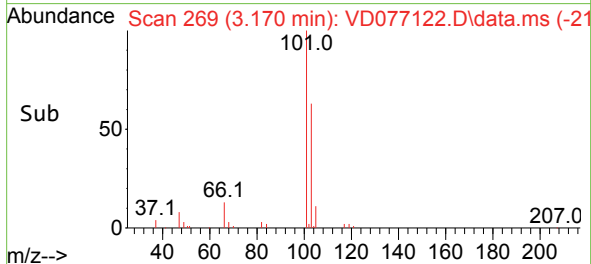
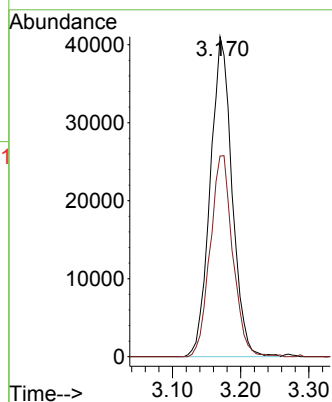
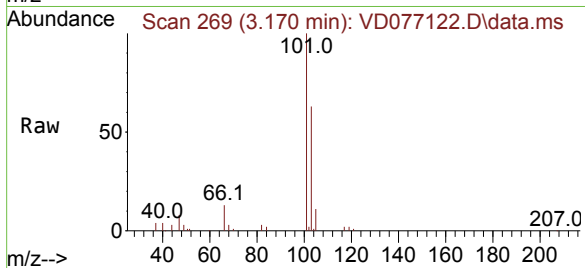




#7
 Trichlorofluoromethane
 Concen: 23.280 ug/l
 RT: 3.170 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

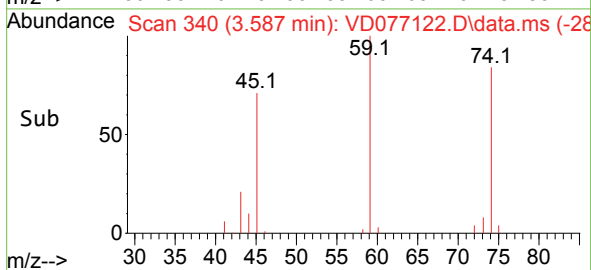
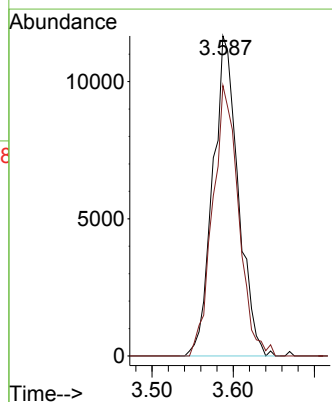
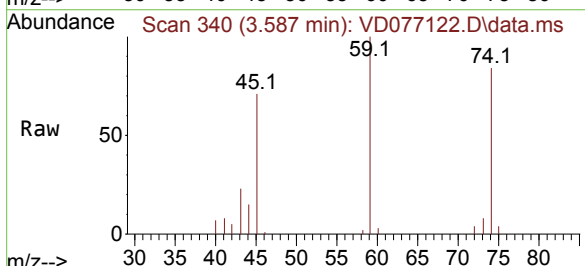
Instrument :
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 ClientSampleId :

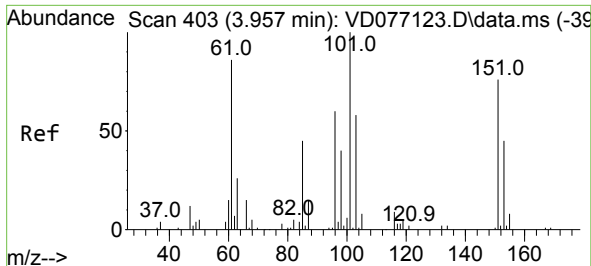
Tgt Ion:101 Resp: 91483
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.3 78.5



#8
 Diethyl Ether
 Concen: 19.991 ug/l
 RT: 3.587 min Scan# 340
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 25354
 Ion Ratio Lower Upper
 74 100
 45 86.3 37.5 112.7

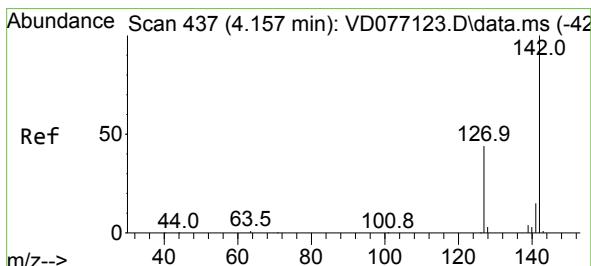
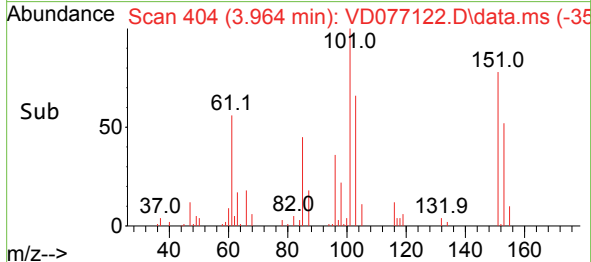
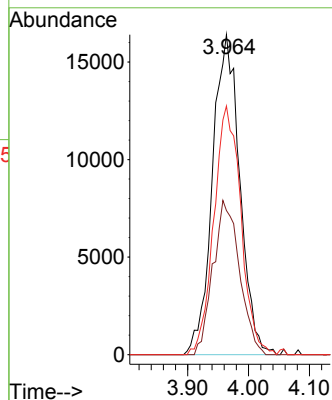
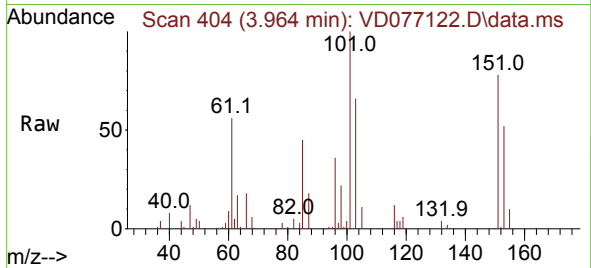




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.837 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

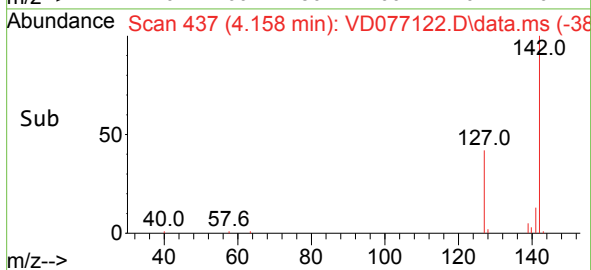
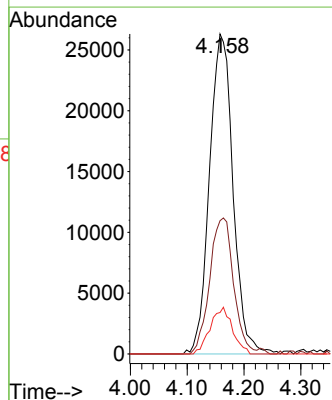
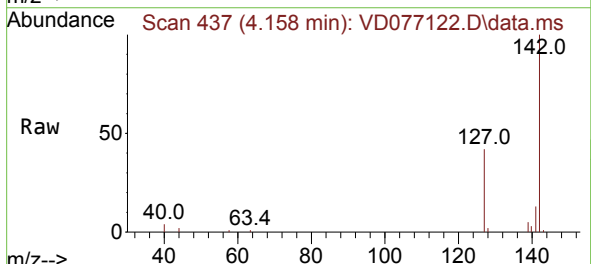
Instrument :
MSVOA_D
ClientSampleId :

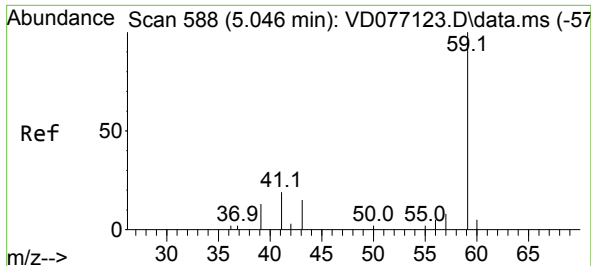
Tgt Ion:101 Resp: 51194
Ion Ratio Lower Upper
101 100
85 46.6 33.8 50.6
151 76.8 59.8 89.6



#10
Methyl Iodide
Concen: 21.546 ug/l
RT: 4.158 min Scan# 437
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion:142 Resp: 75662
Ion Ratio Lower Upper
142 100
127 43.1 29.4 44.0
141 13.8 11.1 16.7

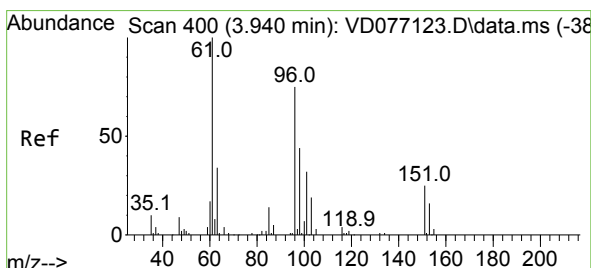
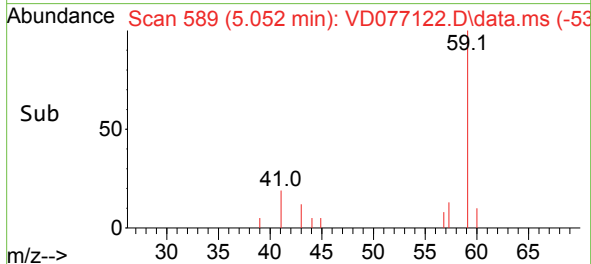
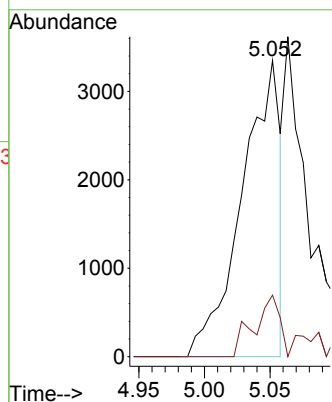
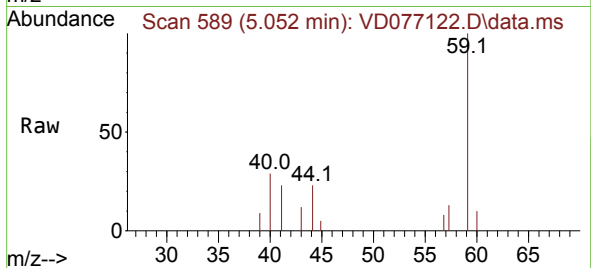




#11
Tert butyl alcohol
Concen: 55.341 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

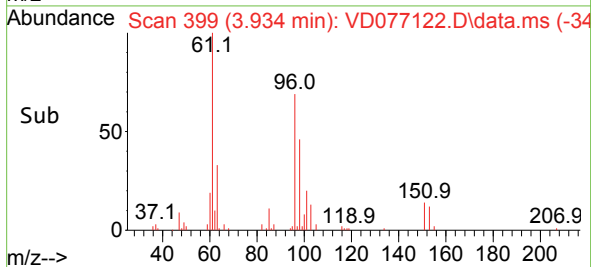
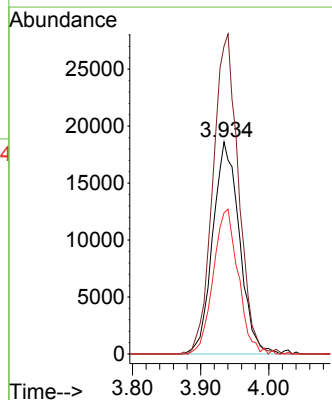
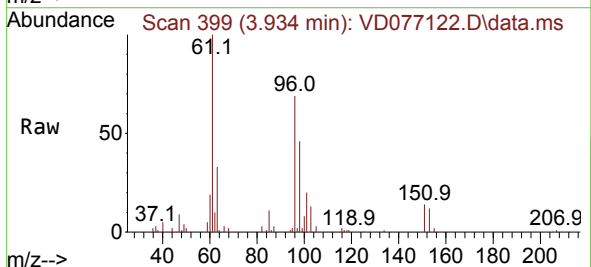
Instrument :
MSVOA_D
ClientSampleId :

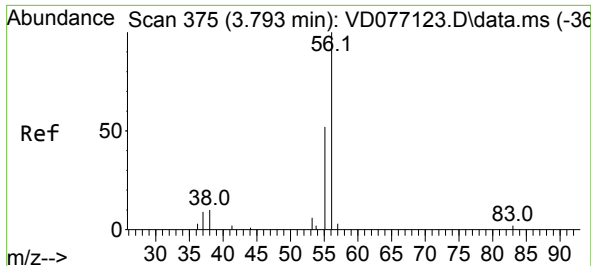
Tgt Ion: 59 Resp: 6775
Ion Ratio Lower Upper
59 100
57 13.8 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 20.463 ug/l
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 96 Resp: 50646
Ion Ratio Lower Upper
96 100
61 145.2 100.6 150.8
98 66.5 50.2 75.2





#13

Acrolein

Concen: 147.360 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

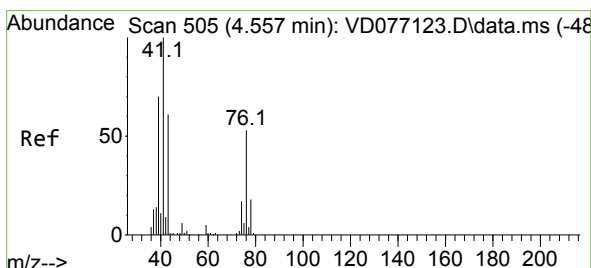
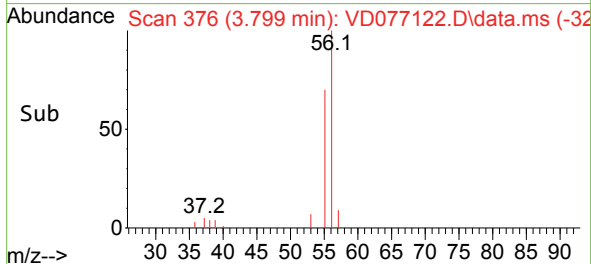
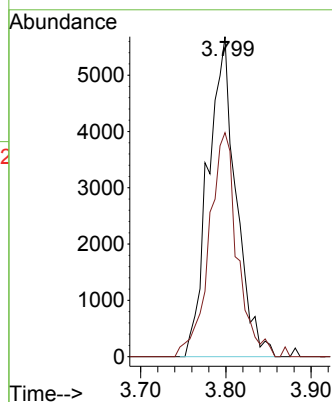
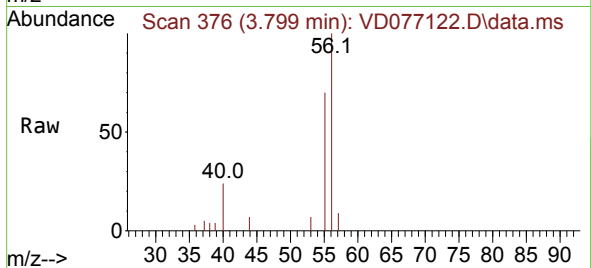
ClientSampleId :

Tgt Ion: 56 Resp: 12997

Ion Ratio Lower Upper

56 100

55 70.4 55.1 82.7



#14

Allyl chloride

Concen: 20.378 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

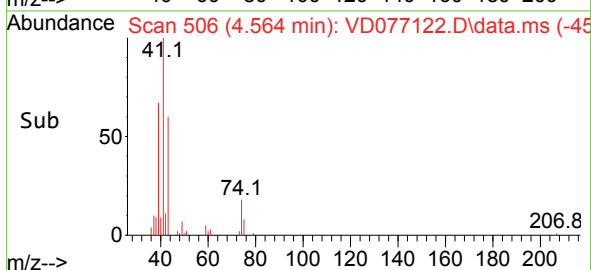
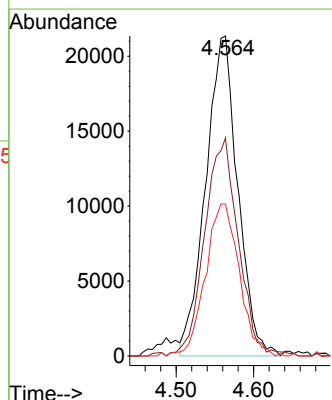
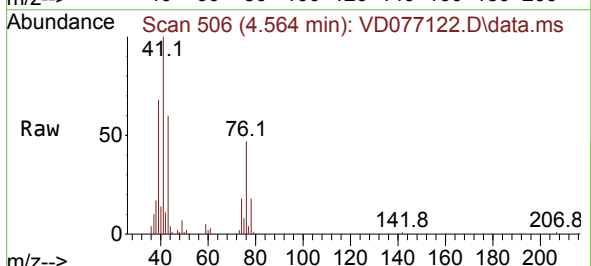
Tgt Ion: 41 Resp: 61535

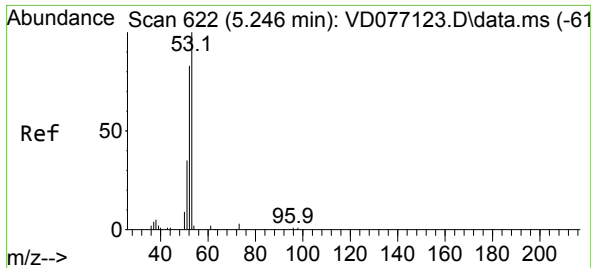
Ion Ratio Lower Upper

41 100

39 71.2 53.8 80.6

76 50.2 45.8 68.8

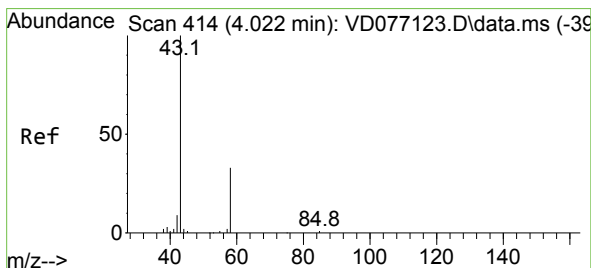
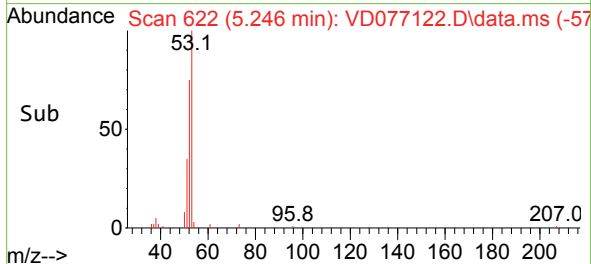
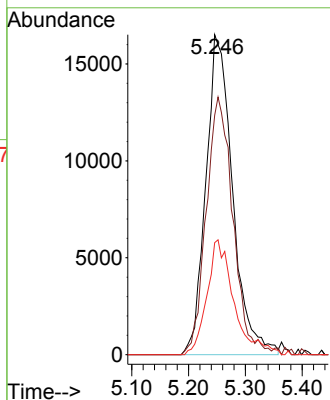
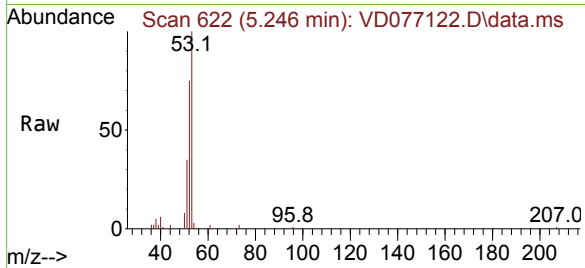




#15
Acrylonitrile
Concen: 101.360 ug/l
RT: 5.246 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

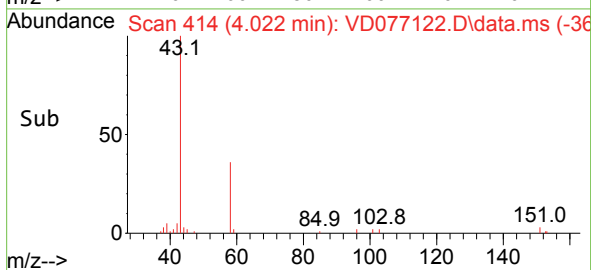
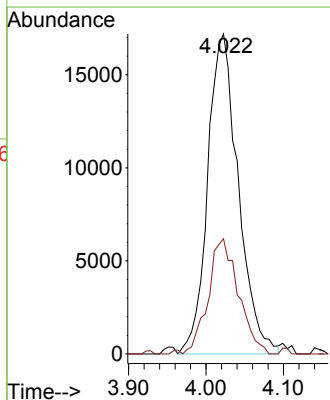
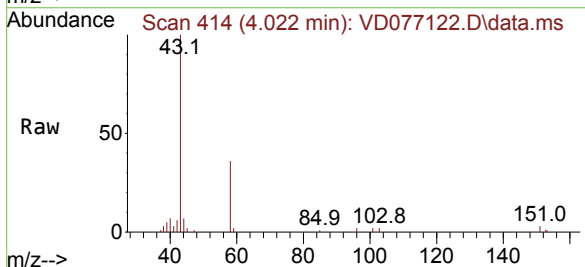
Instrument :
MSVOA_D
ClientSampleId :

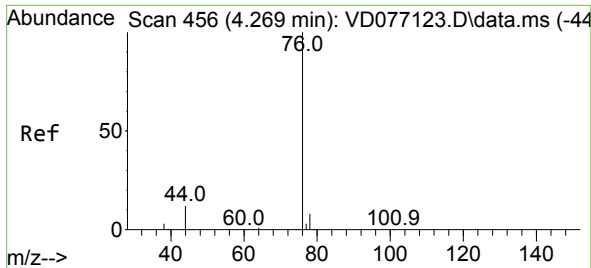
Tgt Ion:	53	Resp:	53906
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.4
51	36.2	28.3	42.5



#16
Acetone
Concen: 96.215 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion:	43	Resp:	47217
Ion	Ratio	Lower	Upper
43	100		
58	36.0	34.7	52.1

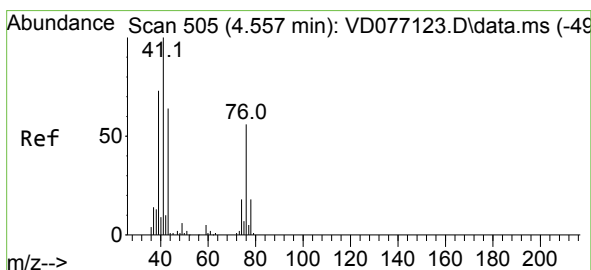
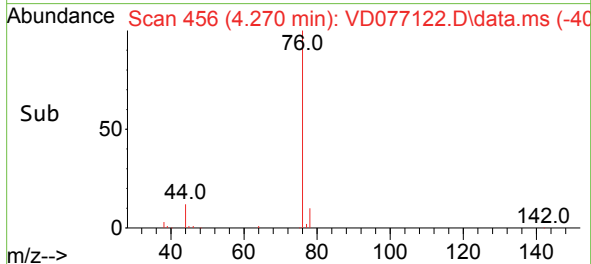
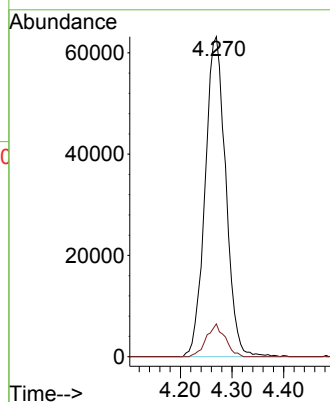
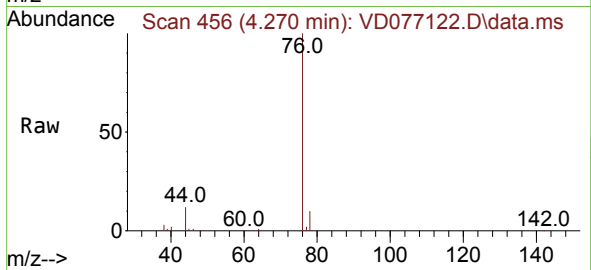




#17
Carbon Disulfide
Concen: 21.493 ug/l
RT: 4.270 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

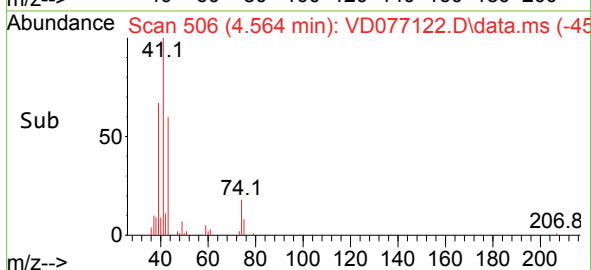
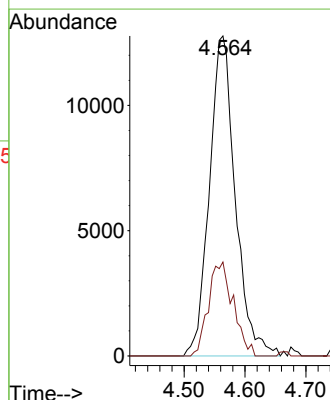
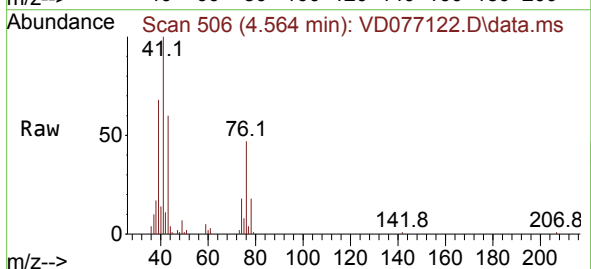
Instrument :
MSVOA_D
ClientSampleId :

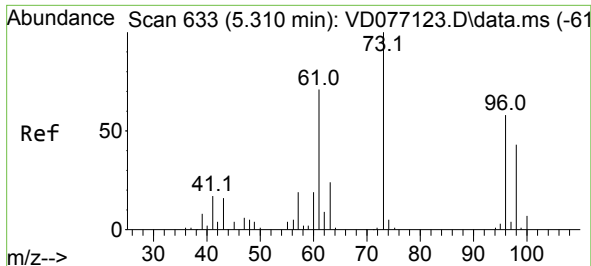
Tgt Ion: 76 Resp: 175119
Ion Ratio Lower Upper
76 100
78 10.2 6.8 10.2#



#18
Methyl Acetate
Concen: 20.346 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 43 Resp: 37756
Ion Ratio Lower Upper
43 100
74 28.1 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 19.691 ug/l

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

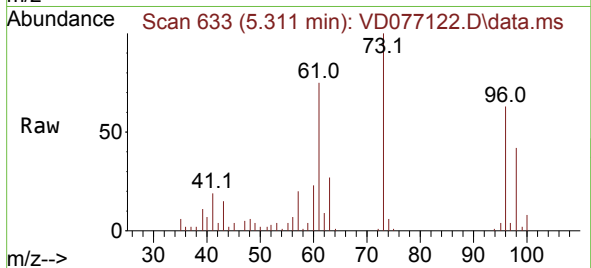
Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

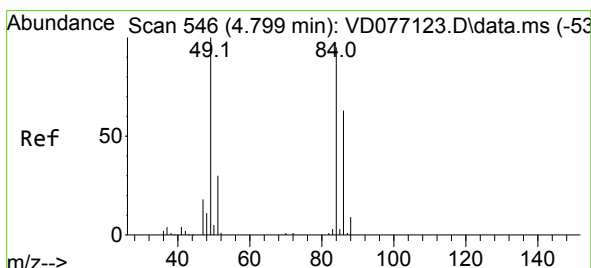
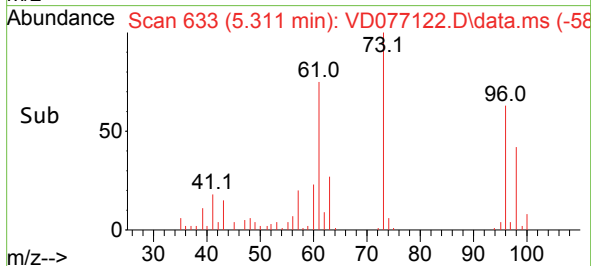
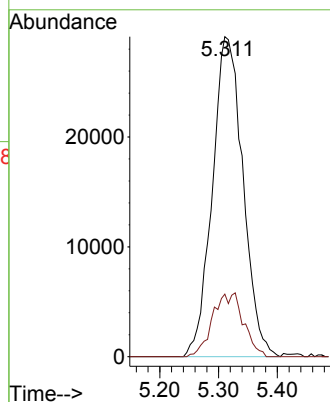


Tgt Ion: 73 Resp: 105456

Ion Ratio Lower Upper

73 100

57 19.5 16.6 25.0



#20

Methylene Chloride

Concen: 21.472 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Tgt Ion: 84 Resp: 79593

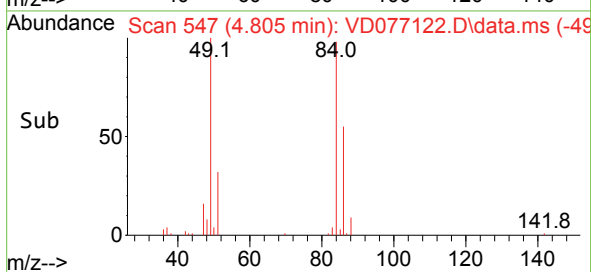
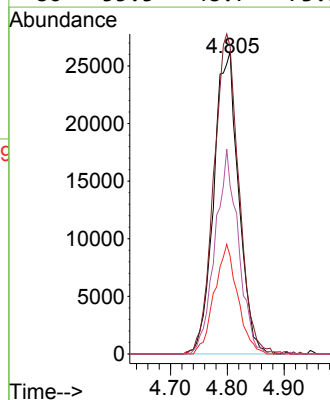
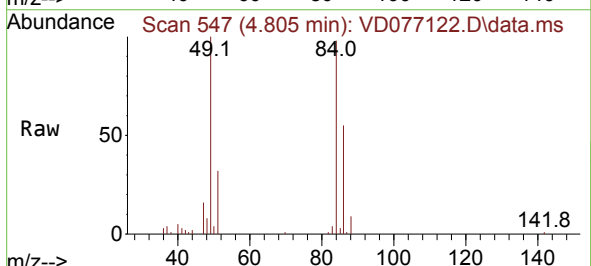
Ion Ratio Lower Upper

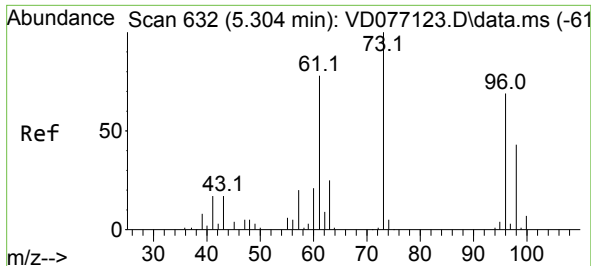
84 100

49 101.7 71.4 107.2

51 32.4 24.5 36.7

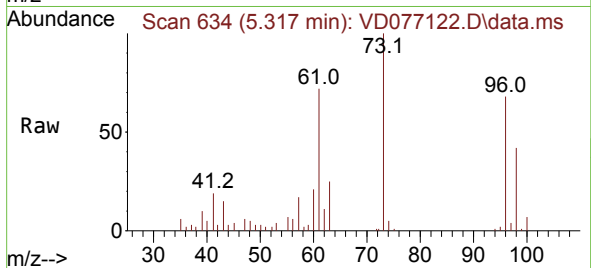
86 55.5 48.7 73.1



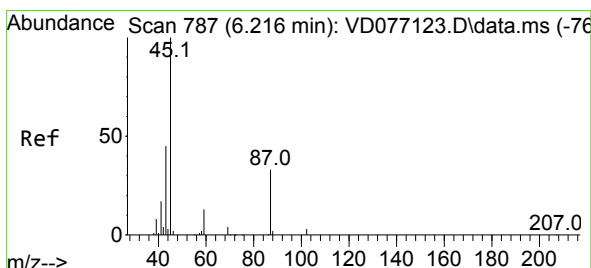
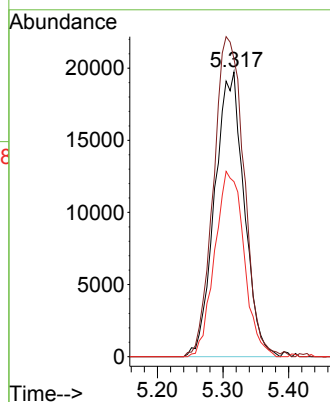
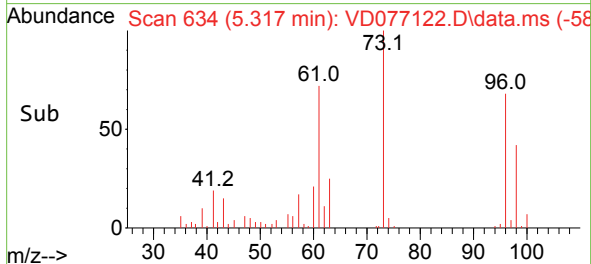


#21
trans-1,2-Dichloroethene
Concen: 20.472 ug/l
RT: 5.317 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Instrument :
MSVOA_D
ClientSampleId :

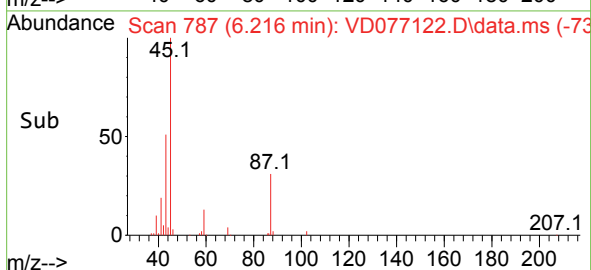
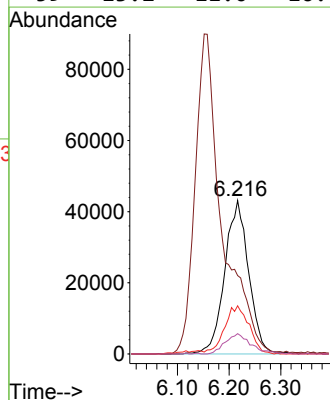
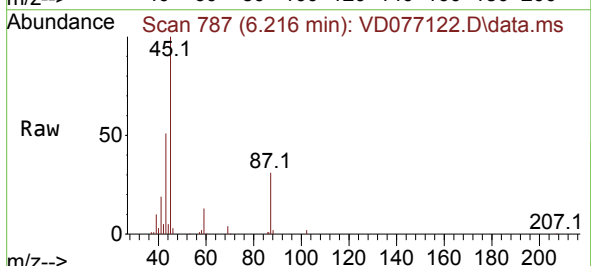


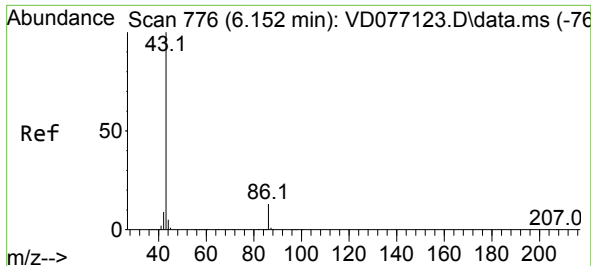
Tgt Ion: 96 Resp: 61249
Ion Ratio Lower Upper
96 100
61 104.7 89.3 133.9
98 61.5 48.6 73.0



#22
Diisopropyl ether
Concen: 20.272 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 45 Resp: 138404
Ion Ratio Lower Upper
45 100
43 49.5 40.0 60.0
87 31.3 28.2 42.4
59 13.2 11.0 16.4

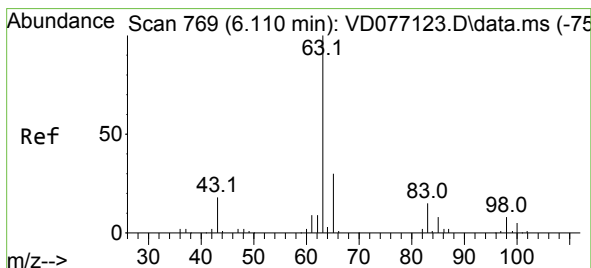
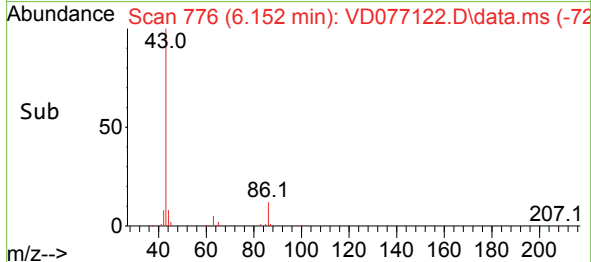
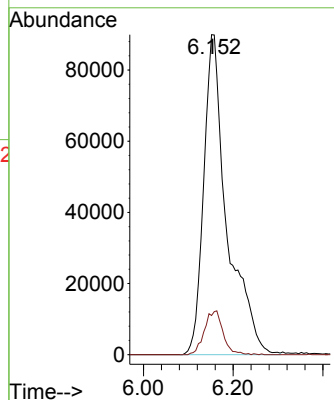
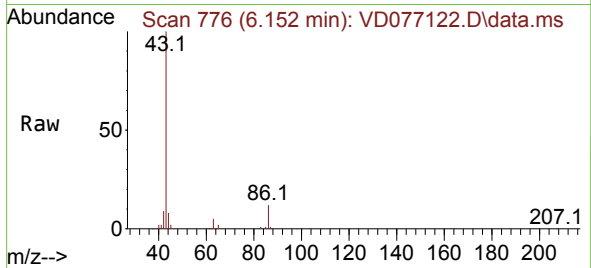




#23
 Vinyl Acetate
 Concen: 118.125 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

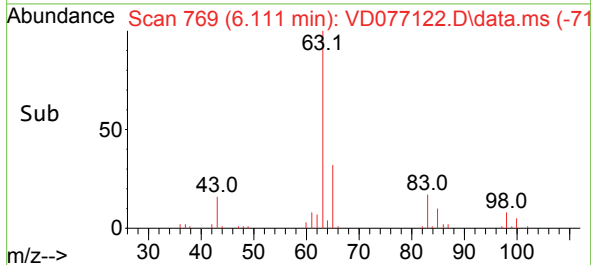
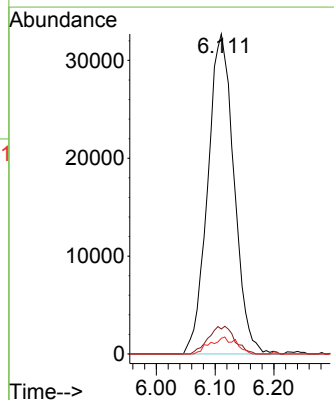
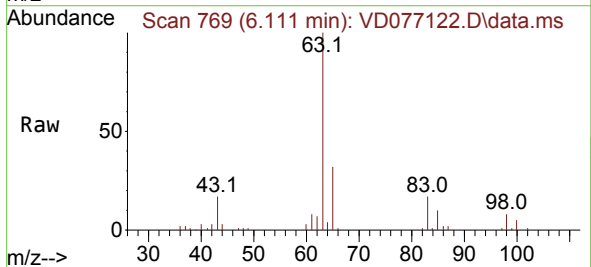
Instrument :
 MSVOA_D
 ClientSampleId :

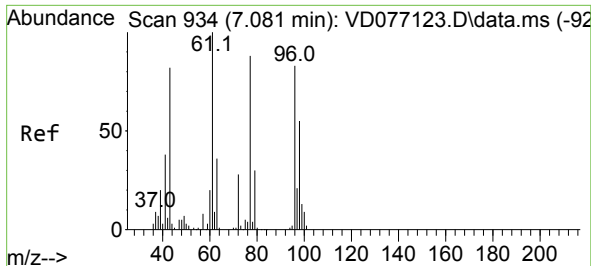
Tgt Ion: 43 Resp: 325673
 Ion Ratio Lower Upper
 43 100
 86 12.3 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 20.732 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion: 63 Resp: 101591
 Ion Ratio Lower Upper
 63 100
 98 7.8 4.5 13.7
 100 4.9 2.5 7.5

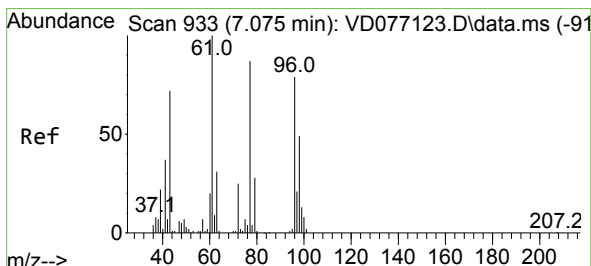
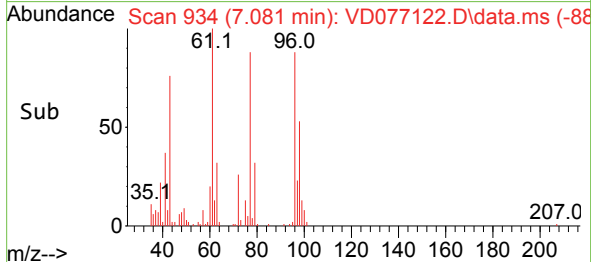
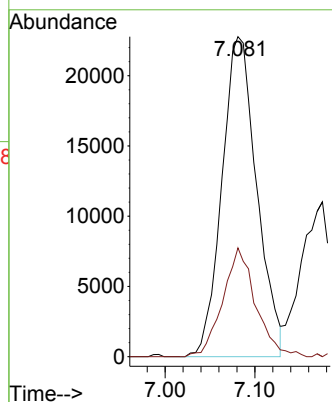
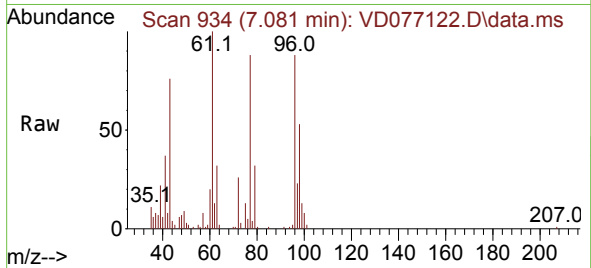




#25
2-Butanone
Concen: 95.131 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

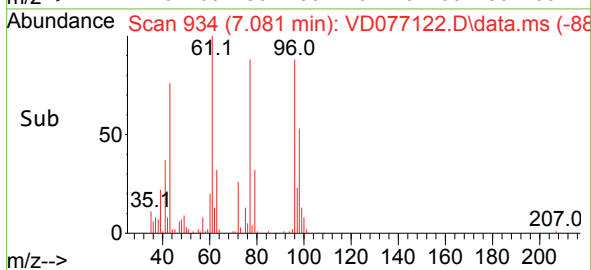
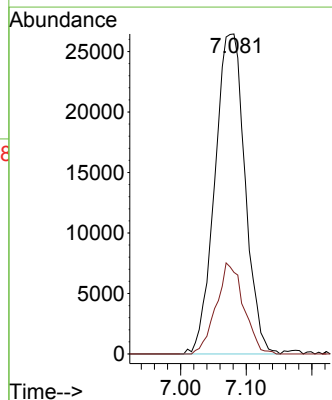
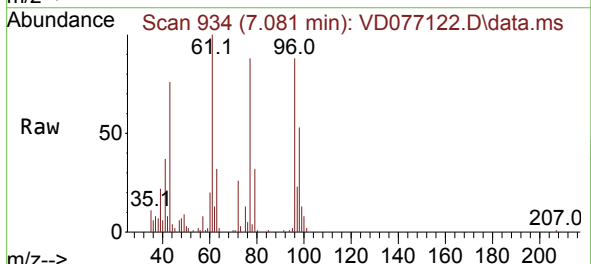
Instrument :
MSVOA_D
ClientSampleId :

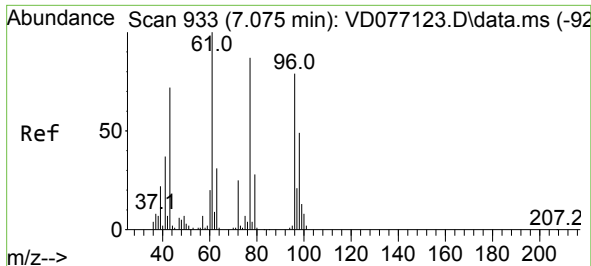
Tgt Ion: 43 Resp: 61419
Ion Ratio Lower Upper
43 100
72 34.0 30.7 46.1



#26
2,2-Dichloropropane
Concen: 20.318 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

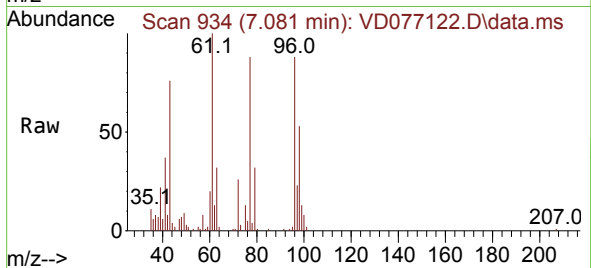
Tgt Ion: 77 Resp: 84511
Ion Ratio Lower Upper
77 100
97 25.9 13.2 39.6



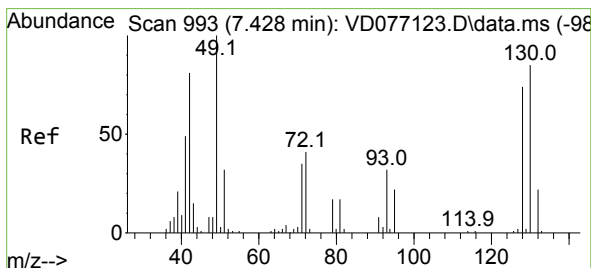
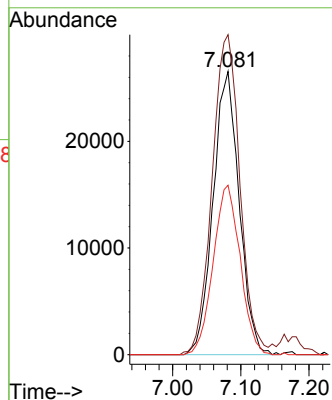
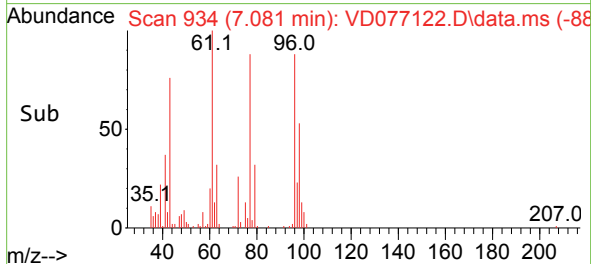


#27
 cis-1,2-Dichloroethene
 Concen: 21.023 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Instrument :
 MSVOA_D
 ClientSampleId :

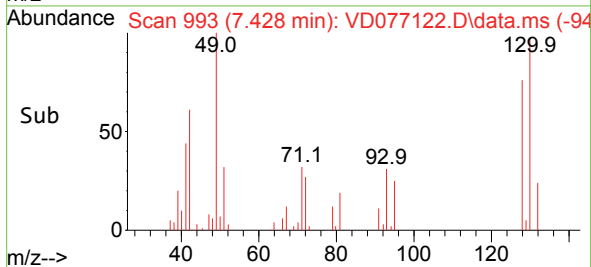
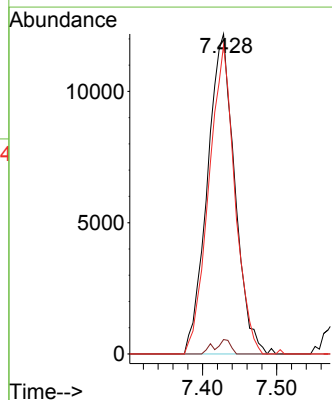
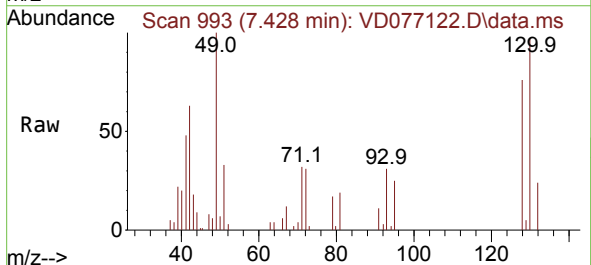


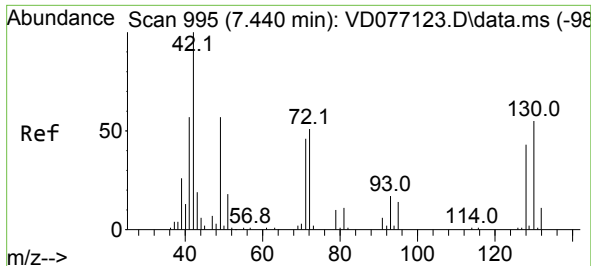
Tgt Ion: 96 Resp: 70708
 Ion Ratio Lower Upper
 96 100
 61 120.3 0.0 239.2
 98 62.0 0.0 128.6



#28
 Bromochloromethane
 Concen: 20.816 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion: 49 Resp: 31321
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 6.0
 130 91.5 83.2 124.8





#29

Tetrahydrofuran

Concen: 95.786 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD077122.D

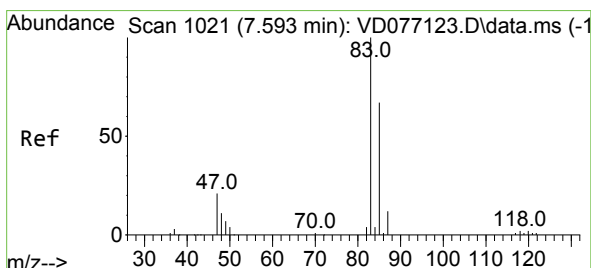
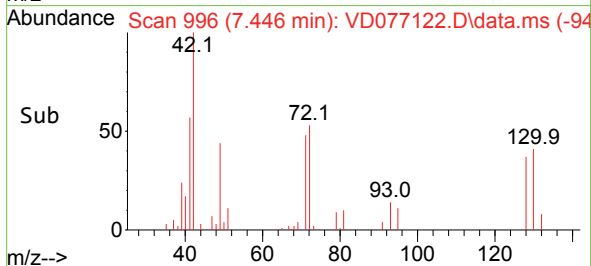
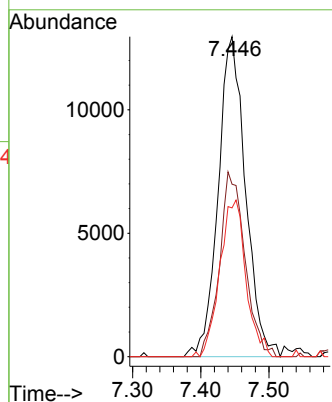
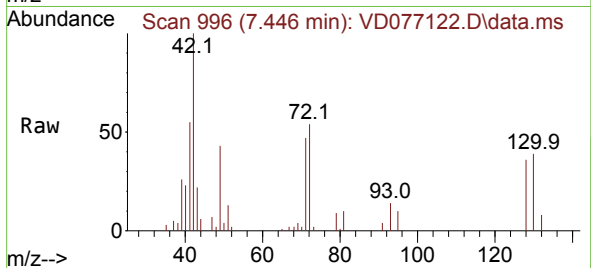
Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 42	Resp: 36152
Ion Ratio	Lower Upper
42	100
72	53.7 46.5 69.7
71	46.8 44.5 66.7



#30

Chloroform

Concen: 21.110 ug/l

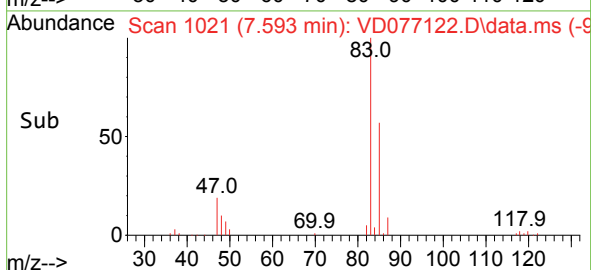
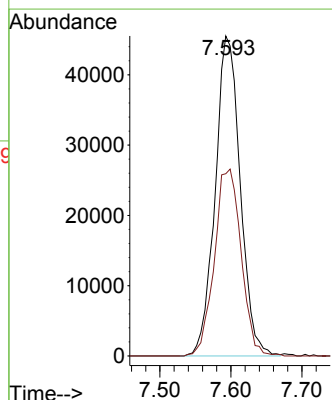
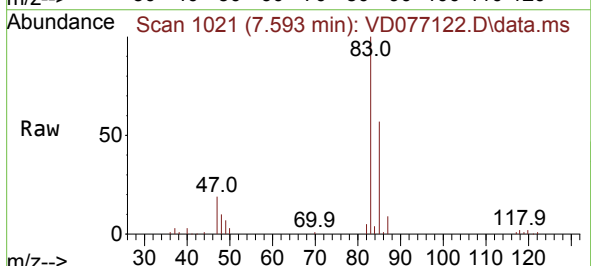
RT: 7.593 min Scan# 1021

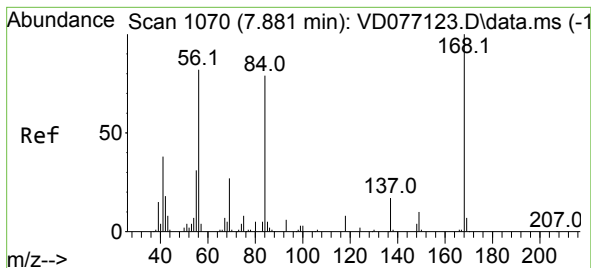
Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Tgt Ion: 83	Resp: 111484
Ion Ratio	Lower Upper
83	100
85	56.9 53.4 80.2





#31

Cyclohexane

Concen: 20.734 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

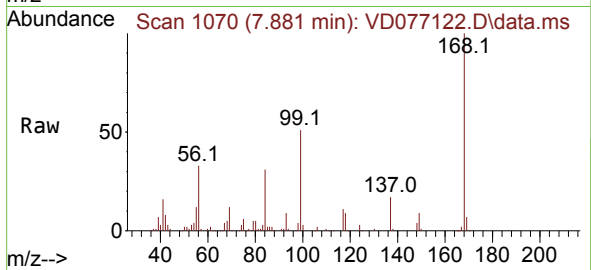
Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :



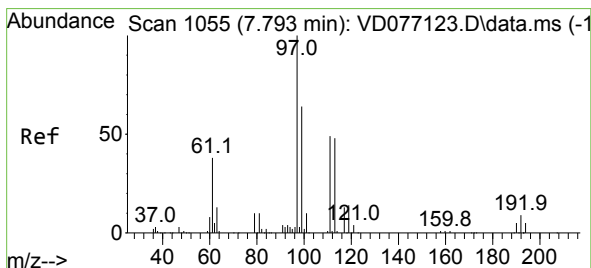
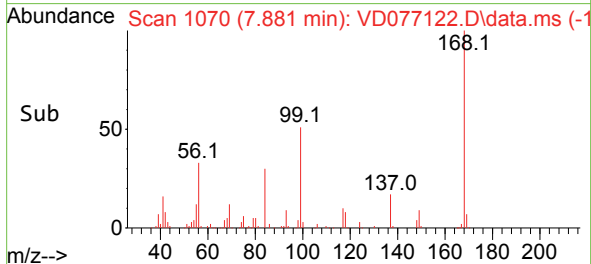
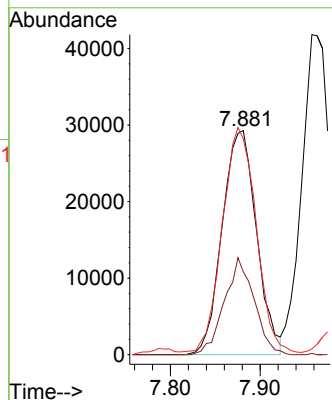
Tgt Ion: 56 Resp: 77886

Ion Ratio Lower Upper

56 100

69 37.0 28.6 43.0

84 95.1 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 21.030 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

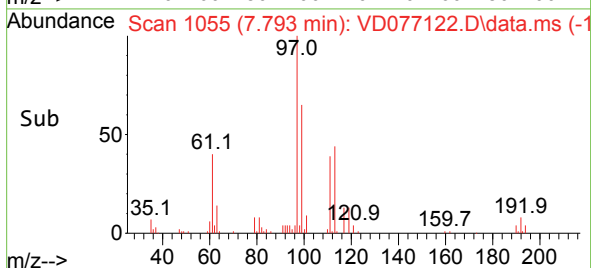
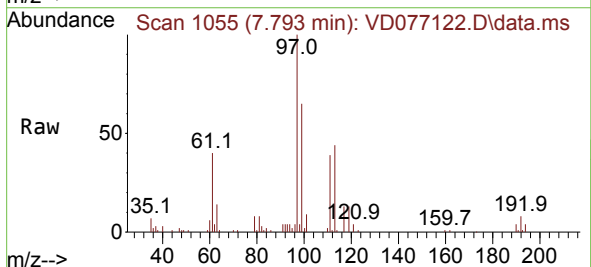
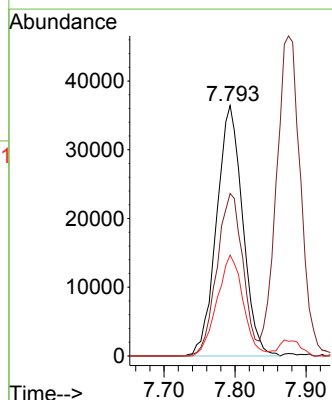
Tgt Ion: 97 Resp: 92702

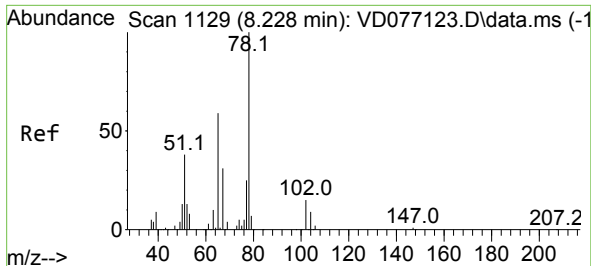
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 40.4 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 19.869 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

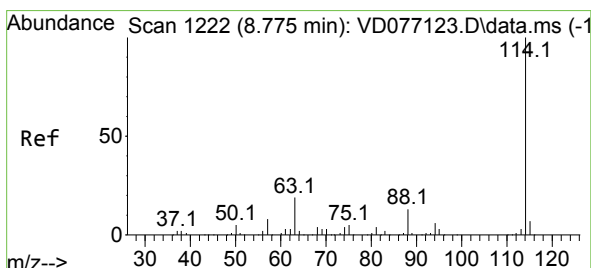
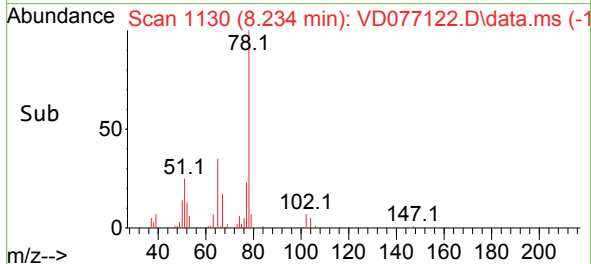
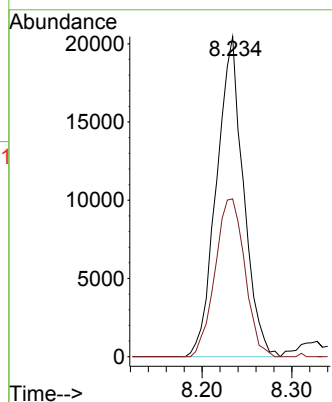
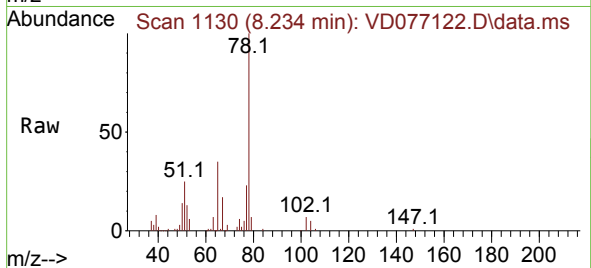
ClientSampleId :

Tgt Ion: 65 Resp: 42663

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

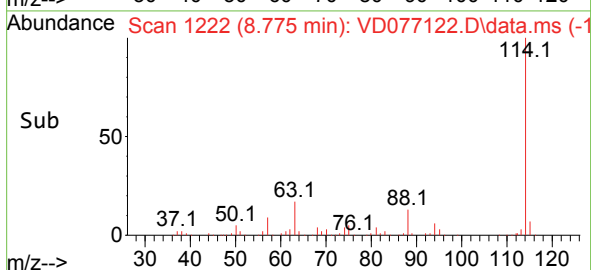
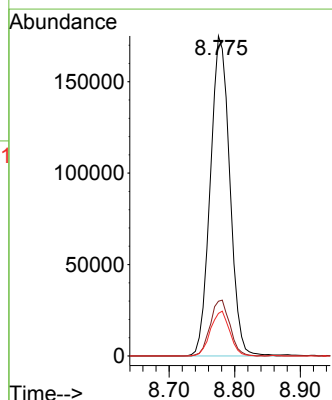
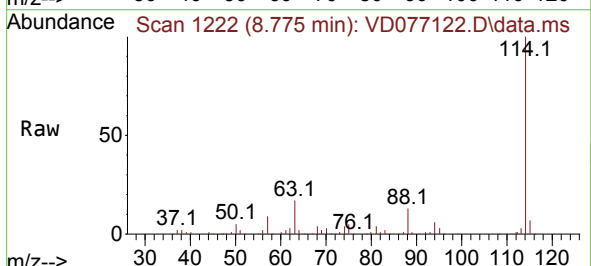
Tgt Ion: 114 Resp: 360421

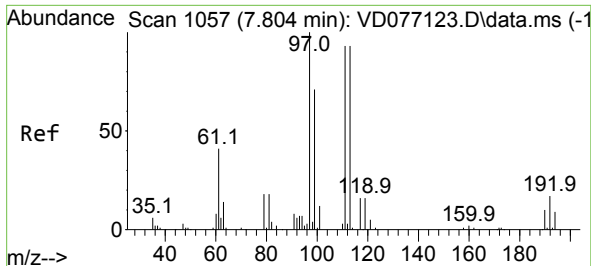
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 20.516 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

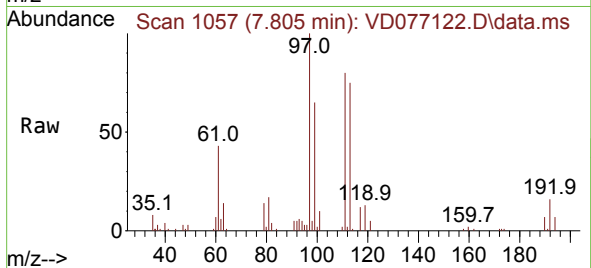
Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

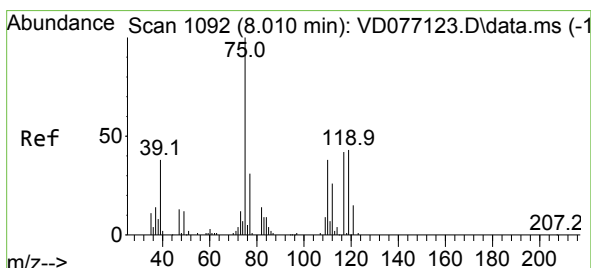
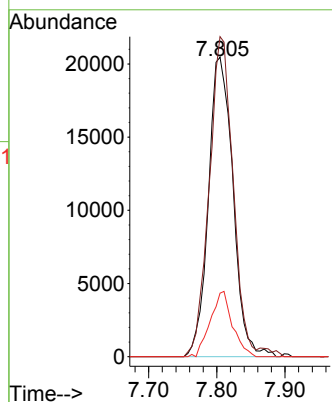
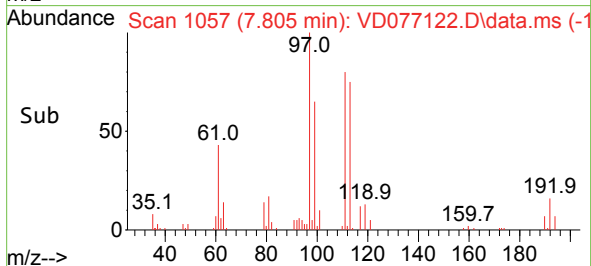
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	51360
Ion Ratio	Lower	Upper	
113	100		
111	103.4	84.7	127.1
192	19.6	16.8	25.2



#36

1,1-Dichloropropene

Concen: 21.049 ug/l

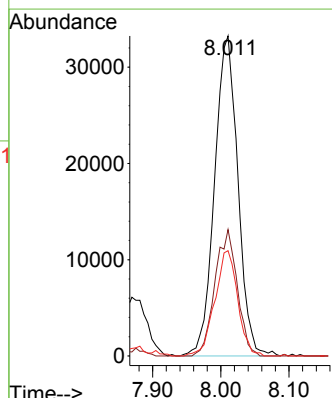
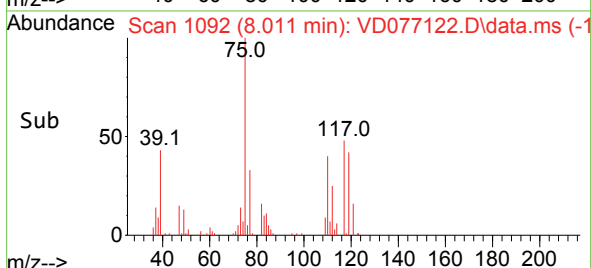
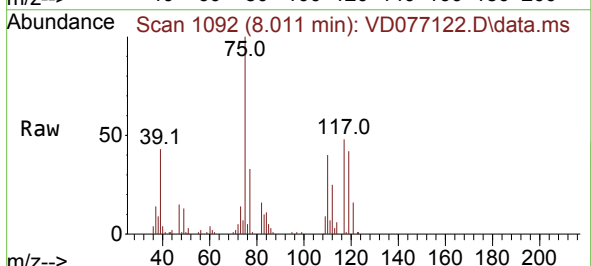
RT: 8.011 min Scan# 1092

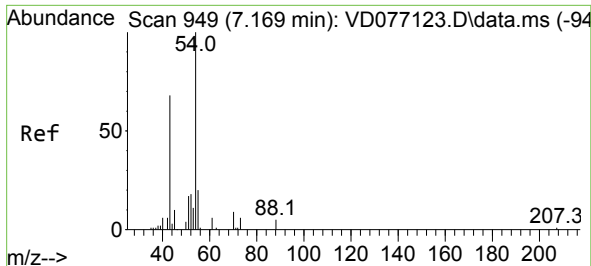
Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

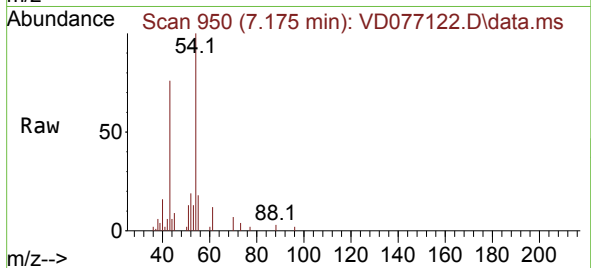
Tgt Ion:	75	Resp:	79361
Ion Ratio	Lower	Upper	
75	100		
110	37.7	19.9	59.6
77	32.2	24.7	37.1



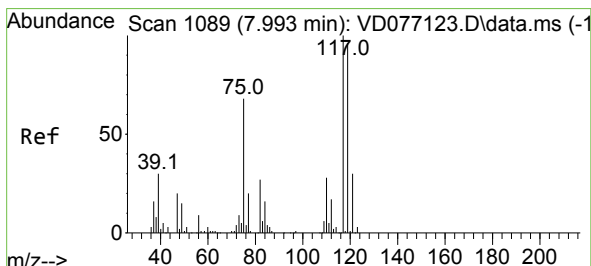
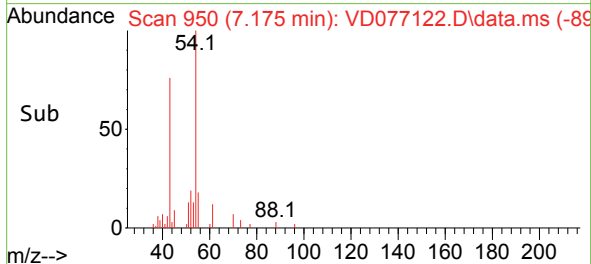
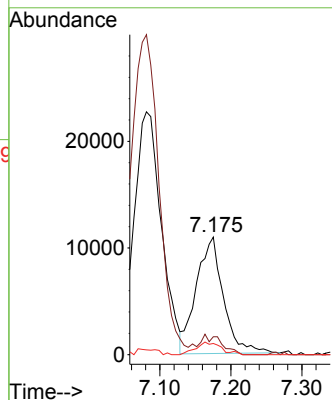


#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 7.175 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Instrument :
MSVOA_D
ClientSampleId :

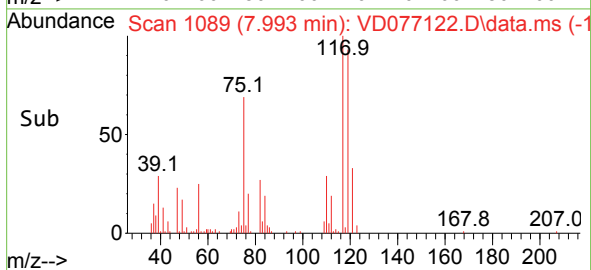
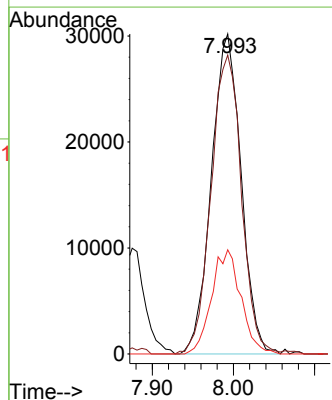
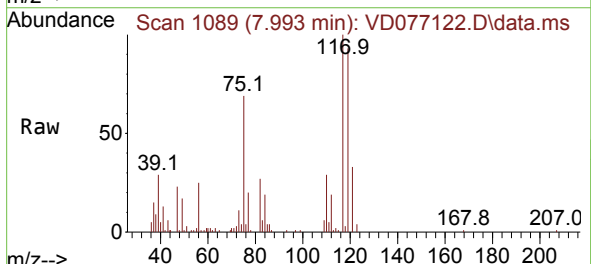


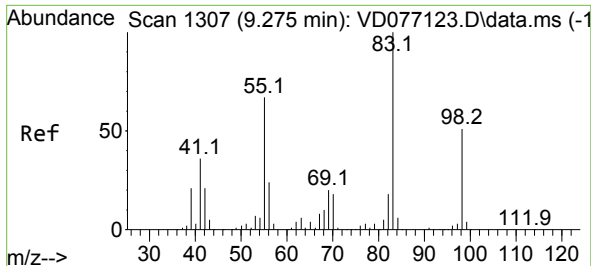
Tgt Ion: 43 Resp: 28973
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 9.9 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 20.706 ug/l
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 117 Resp: 76730
Ion Ratio Lower Upper
117 100
119 92.8 78.0 117.0
121 32.5 24.2 36.2

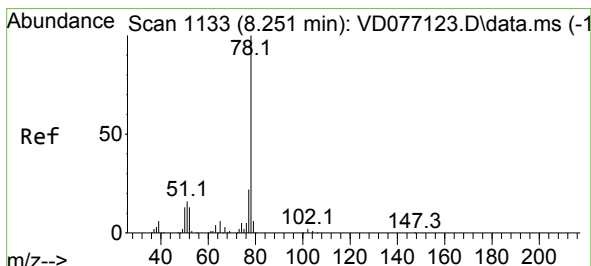
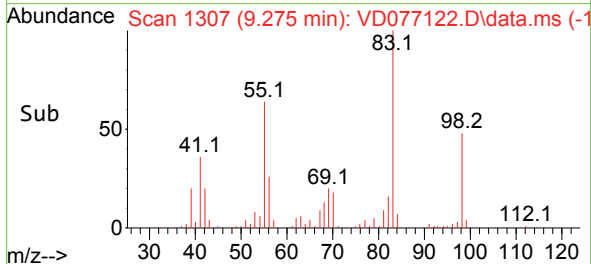
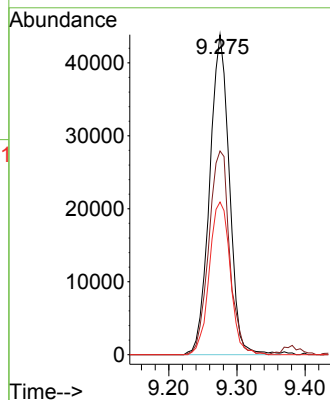
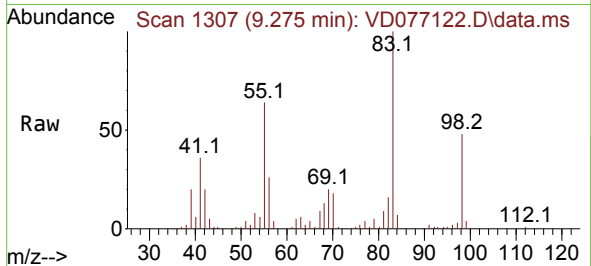




#39
Methylcyclohexane
Concen: 20.347 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

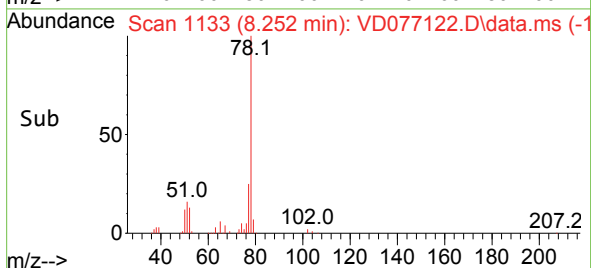
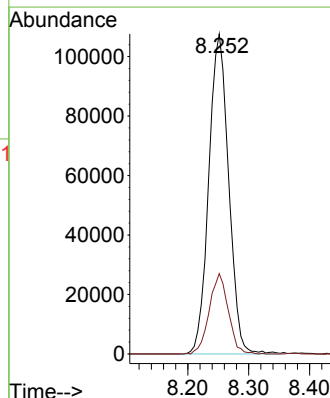
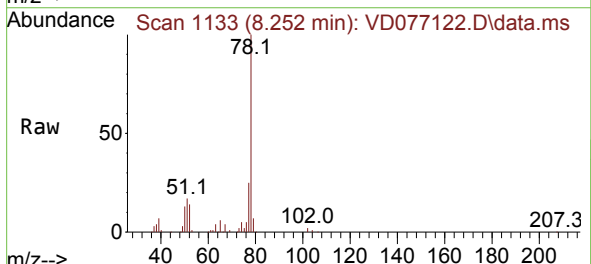
Instrument :
MSVOA_D
ClientSampleId :

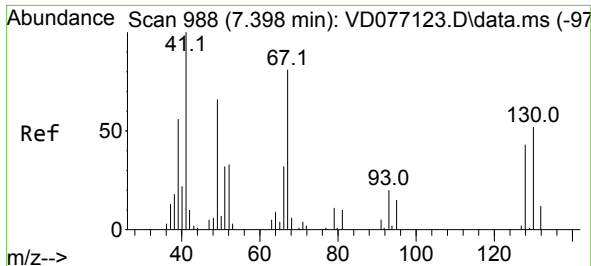
Tgt Ion: 83 Resp: 88265
Ion Ratio Lower Upper
83 100
55 63.6 49.4 74.0
98 47.7 38.4 57.6



#40
Benzene
Concen: 20.923 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 78 Resp: 244056
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.0

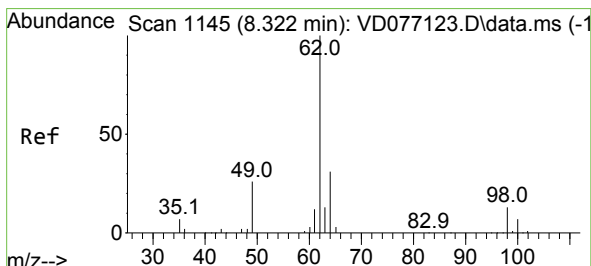
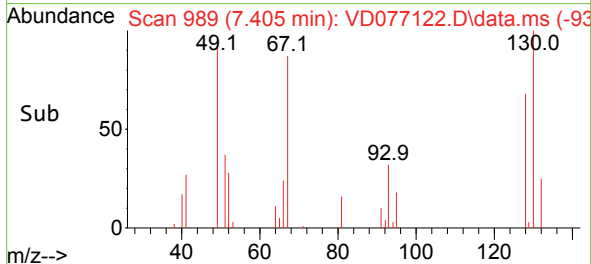
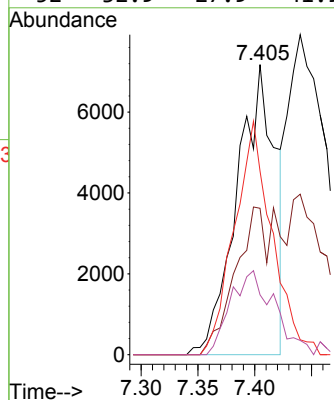
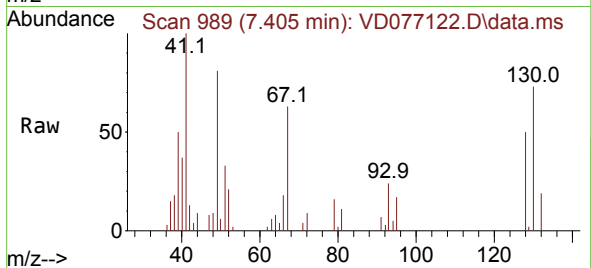




#41
Methacrylonitrile
Concen: 21.788 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

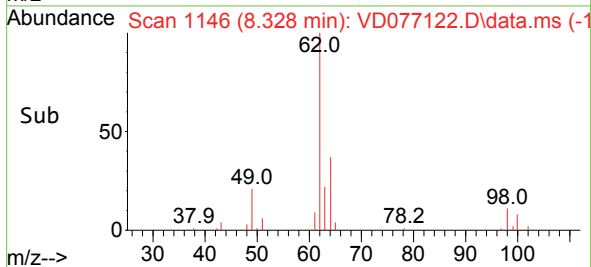
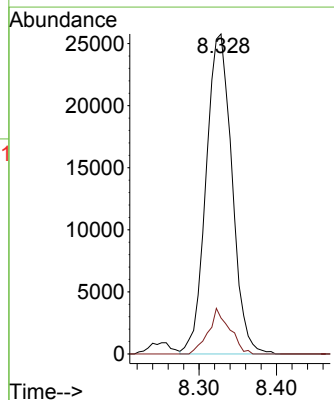
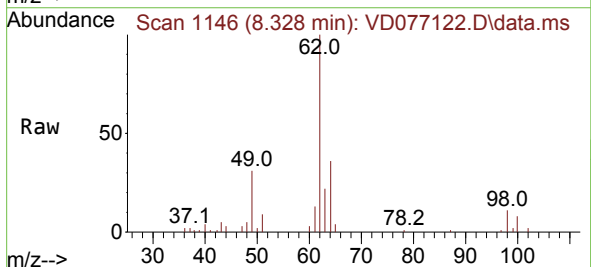
Instrument :
MSVOA_D
ClientSampleId :

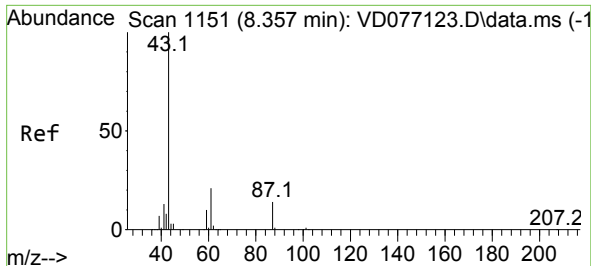
Tgt Ion: 41 Resp: 16822
Ion Ratio Lower Upper
41 100
39 40.6 34.0 51.0
67 79.2 77.0 115.4
52 32.9 27.9 41.9



#42
1,2-Dichloroethane
Concen: 20.677 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

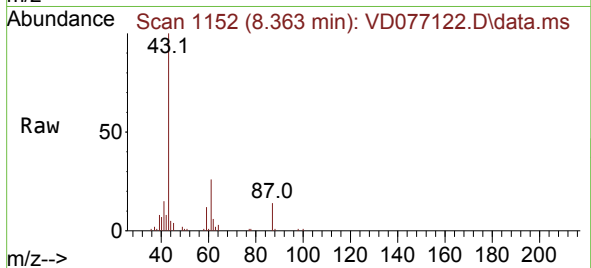
Tgt Ion: 62 Resp: 59798
Ion Ratio Lower Upper
62 100
98 11.7 0.0 25.4



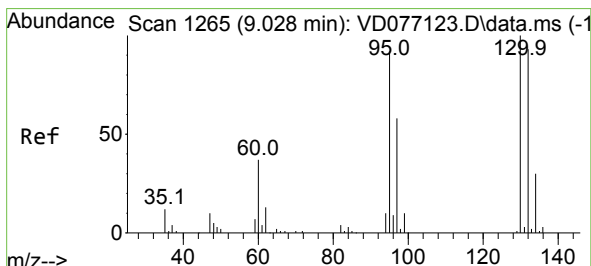
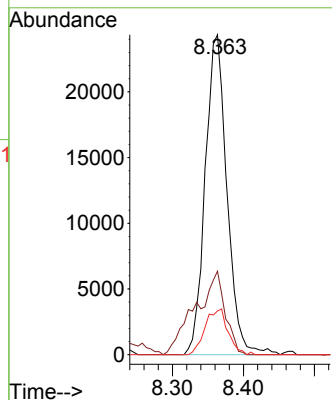
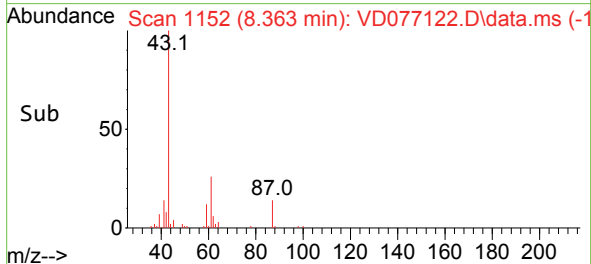


#43
Isopropyl Acetate
Concen: 19.472 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Instrument :
MSVOA_D
ClientSampleId :

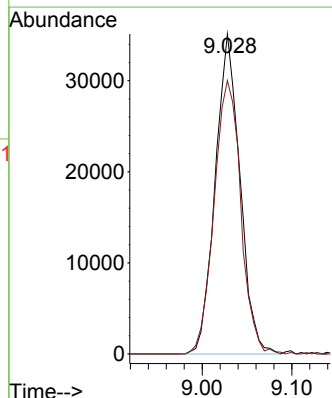
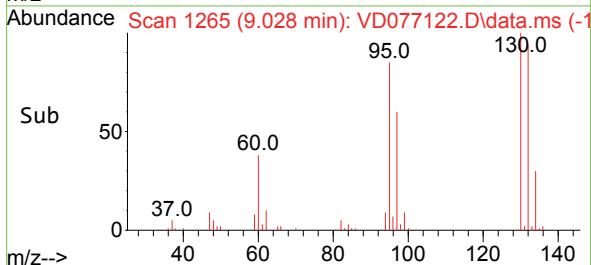
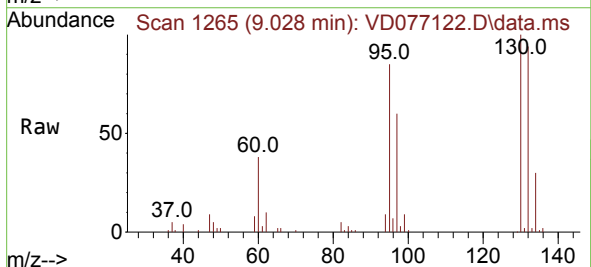


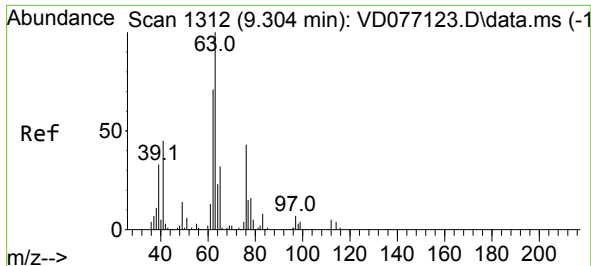
Tgt Ion: 43 Resp: 51858
Ion Ratio Lower Upper
43 100
61 35.7 31.4 47.0
87 15.1 14.9 22.3



#44
Trichloroethene
Concen: 20.811 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 130 Resp: 67188
Ion Ratio Lower Upper
130 100
95 85.5 0.0 179.2





#45

1,2-Dichloropropane

Concen: 20.231 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

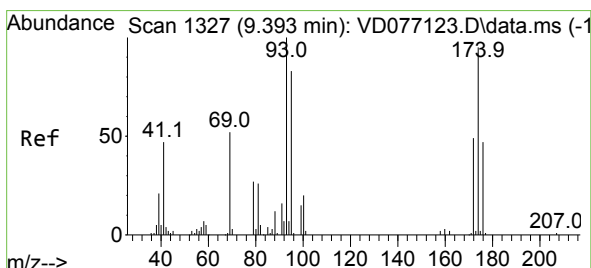
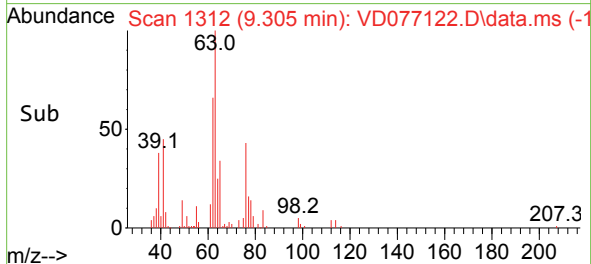
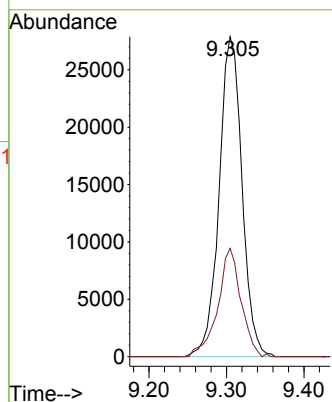
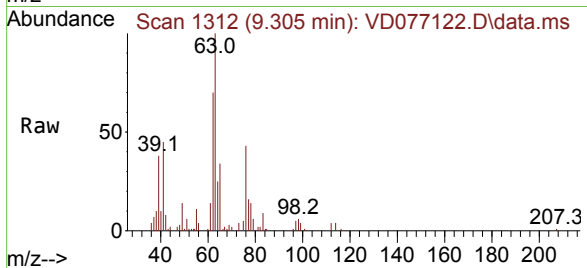
ClientSampleId :

Tgt Ion: 63 Resp: 57320

Ion Ratio Lower Upper

63 100

65 33.9 24.5 36.7



#46

Dibromomethane

Concen: 20.671 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

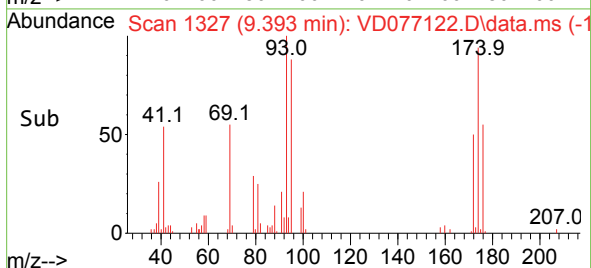
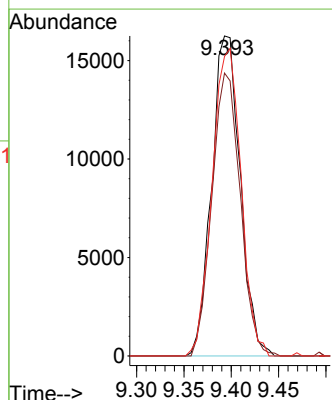
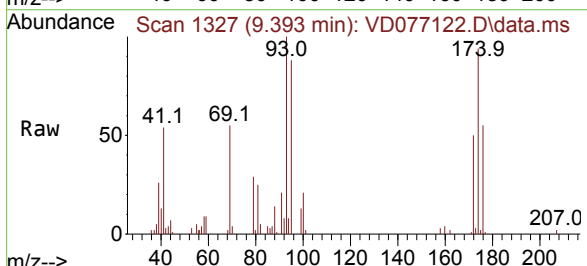
Tgt Ion: 93 Resp: 34032

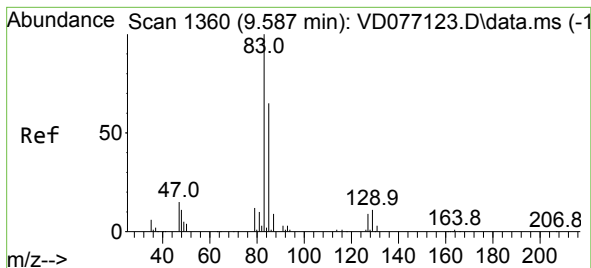
Ion Ratio Lower Upper

93 100

95 87.9 67.7 101.5

174 97.6 85.4 128.2





#47

Bromodichloromethane

Concen: 20.448 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

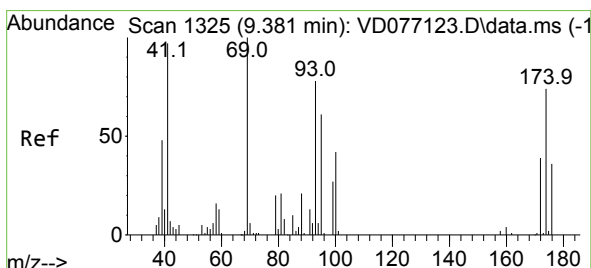
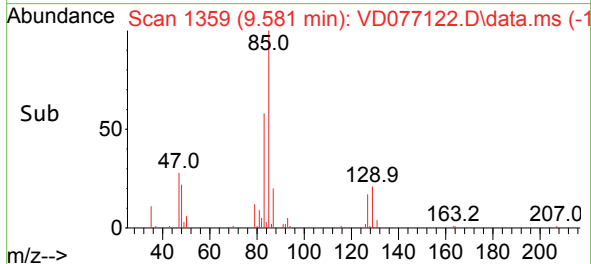
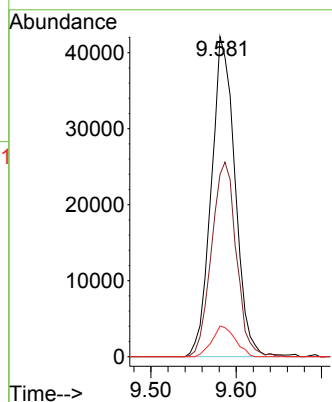
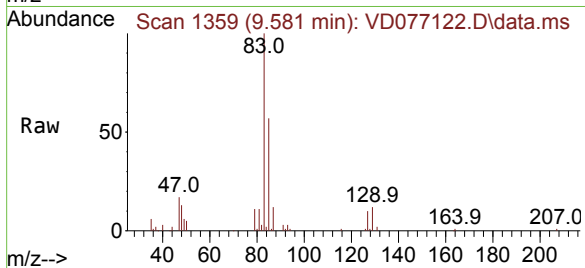
Tgt Ion: 83 Resp: 81353

Ion Ratio Lower Upper

83 100

85 57.0 50.2 75.4

127 9.6 6.3 9.5#



#48

Methyl methacrylate

Concen: 20.477 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

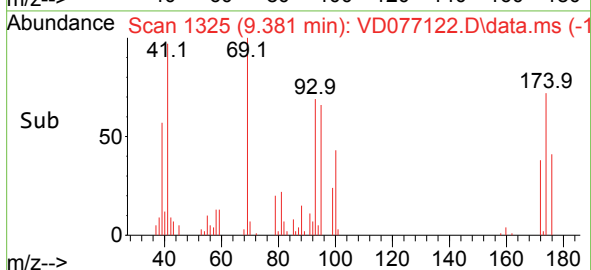
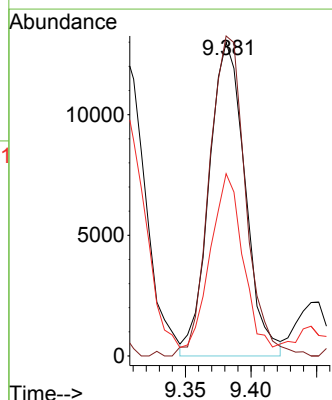
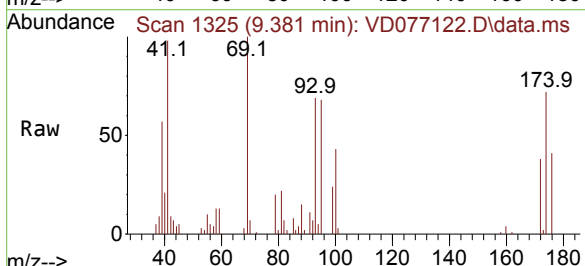
Tgt Ion: 41 Resp: 24813

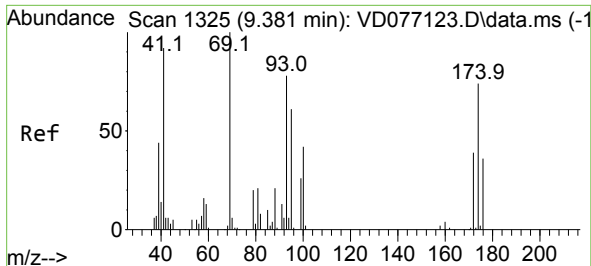
Ion Ratio Lower Upper

41 100

69 102.5 102.2 153.2

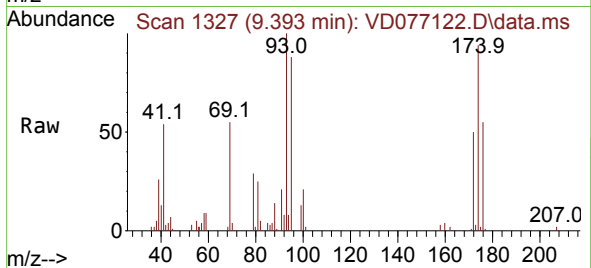
39 55.0 41.4 62.2



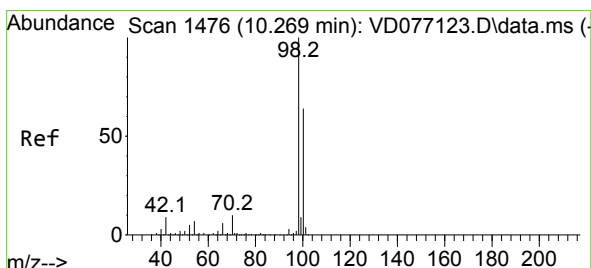
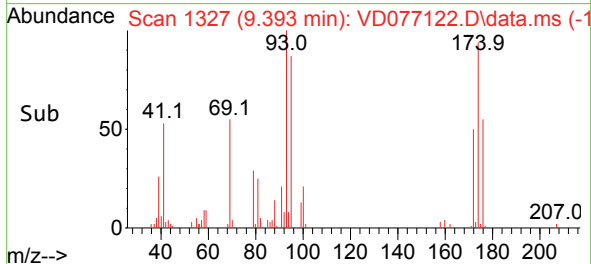
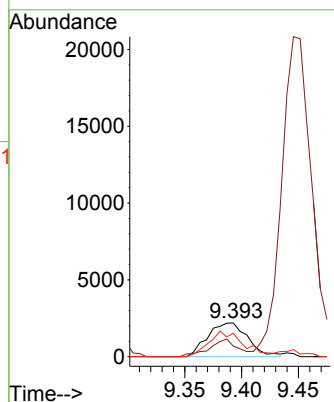


#49
1,4-Dioxane
Concen: 362.963 ug/l
RT: 9.393 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Instrument :
MSVOA_D
ClientSampleId :

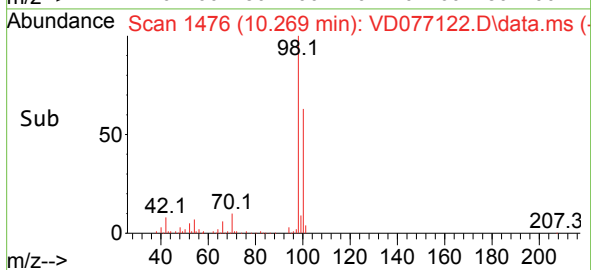
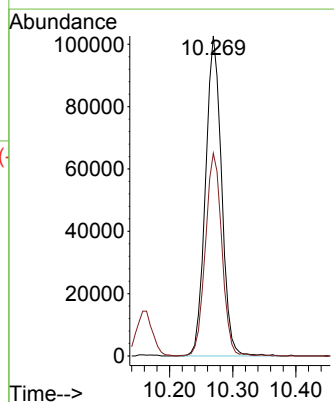
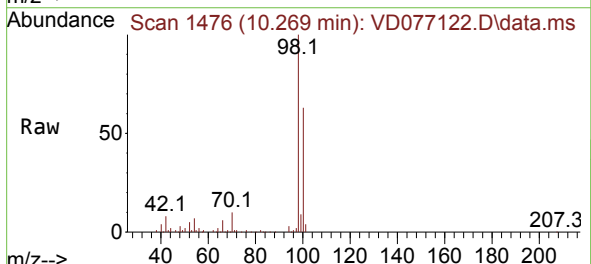


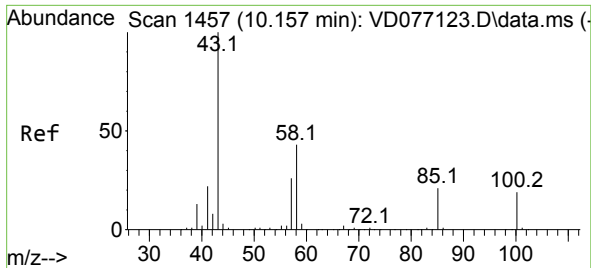
Tgt Ion: 88 Resp: 5394
Ion Ratio Lower Upper
88 100
43 35.6 19.0 28.6#
58 65.7 43.5 65.3#



#50
Toluene-d8
Concen: 20.283 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 98 Resp: 180740
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5

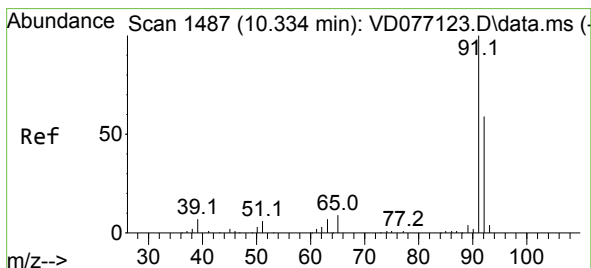
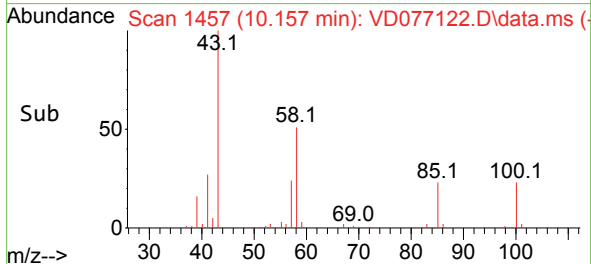
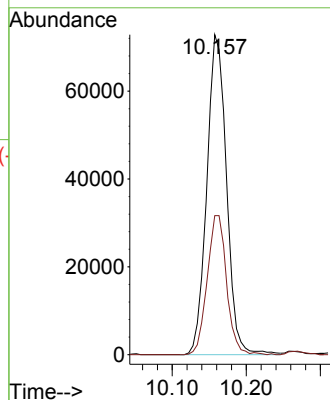
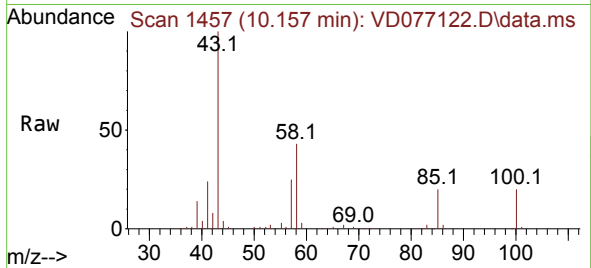




#51
4-Methyl-2-Pentanone
Concen: 96.731 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

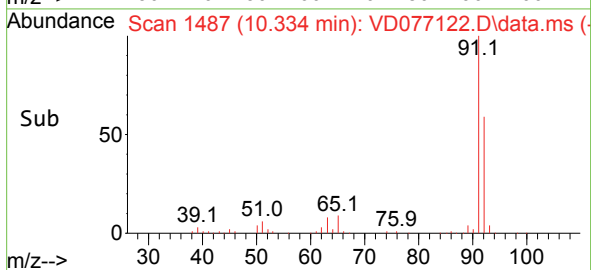
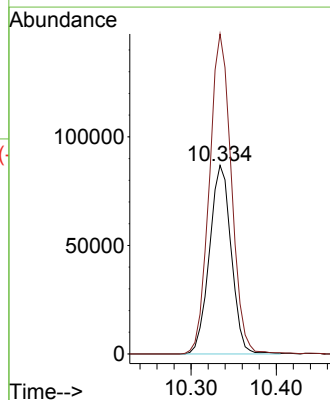
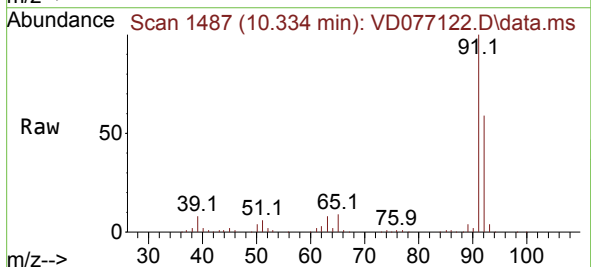
Instrument :
MSVOA_D
ClientSampleId :

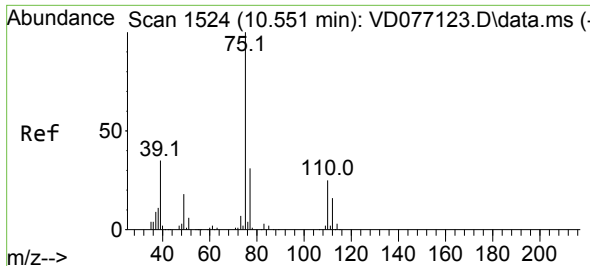
Tgt Ion: 43 Resp: 134733
Ion Ratio Lower Upper
43 100
58 42.8 38.9 58.3



#52
Toluene
Concen: 20.664 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 92 Resp: 154200
Ion Ratio Lower Upper
92 100
91 172.0 143.0 214.4

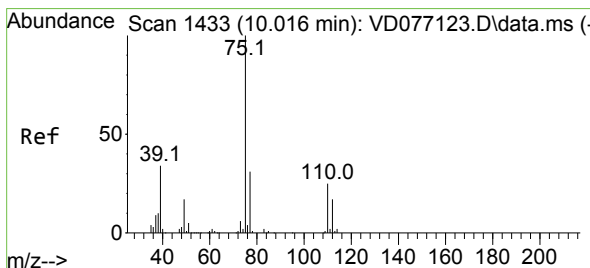
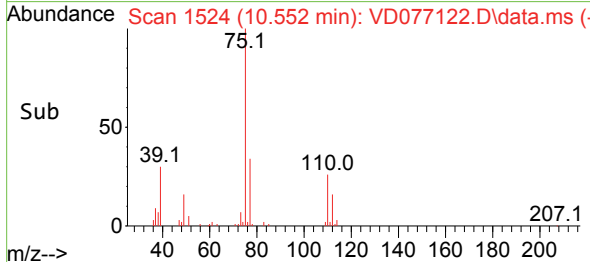
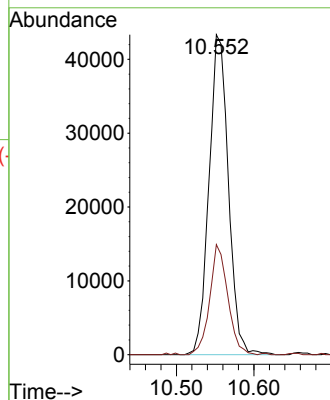
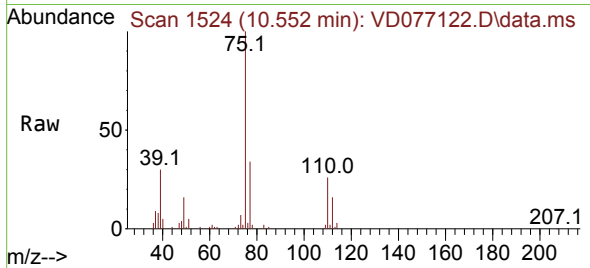




#53
 t-1,3-Dichloropropene
 Concen: 20.251 ug/l
 RT: 10.552 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

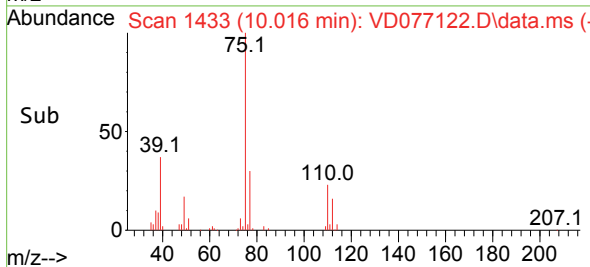
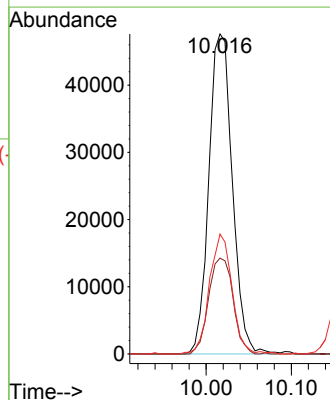
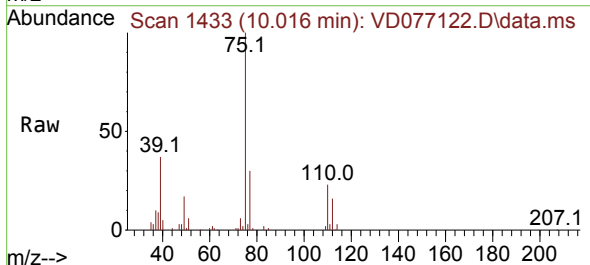
Instrument :
 MSVOA_D
 ClientSampleId :

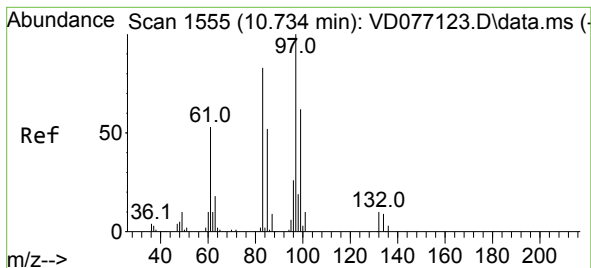
Tgt Ion: 75 Resp: 75272
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 20.502 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion: 75 Resp: 91302
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.5 38.3
 39 37.5 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 20.341 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

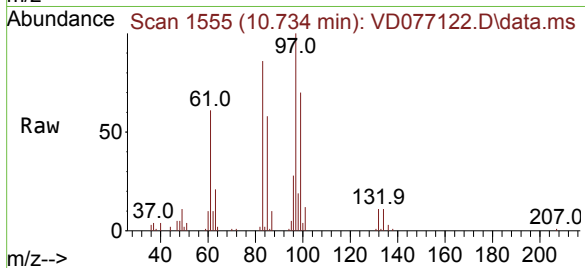
Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 45550

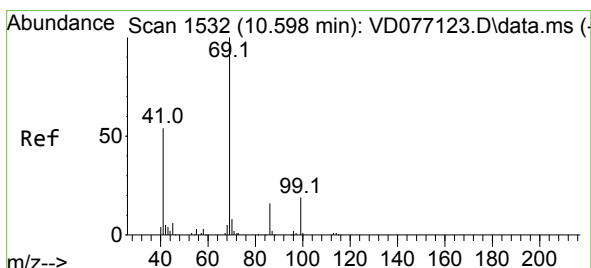
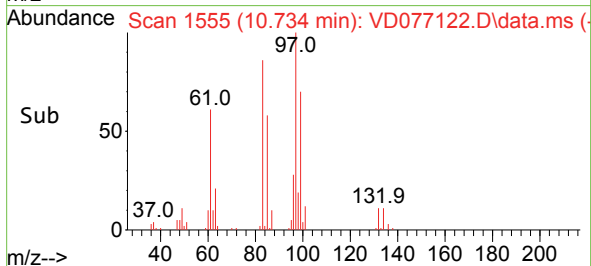
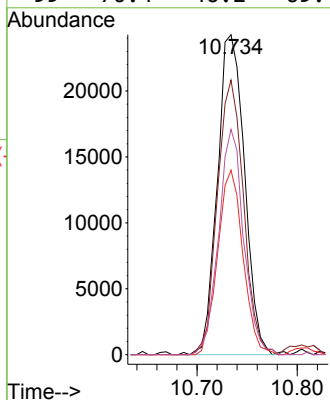
Ion Ratio Lower Upper

97 100

83 85.8 65.8 98.6

85 57.7 45.7 68.5

99 70.4 46.2 69.4#



#56

Ethyl methacrylate

Concen: 19.434 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

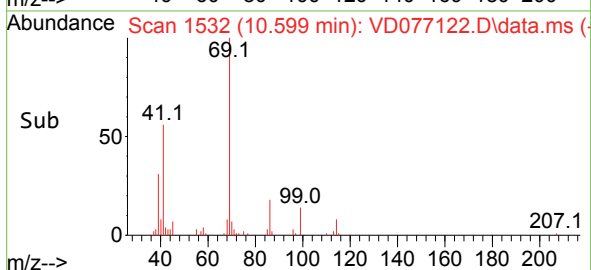
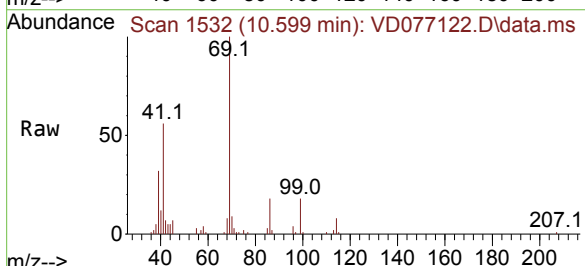
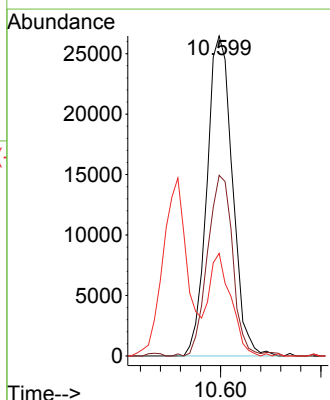
Tgt Ion: 69 Resp: 46754

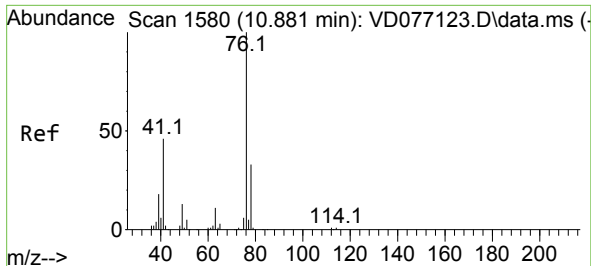
Ion Ratio Lower Upper

69 100

41 56.3 39.1 58.7

39 27.5 20.0 30.0





#57

1,3-Dichloropropane

Concen: 20.281 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

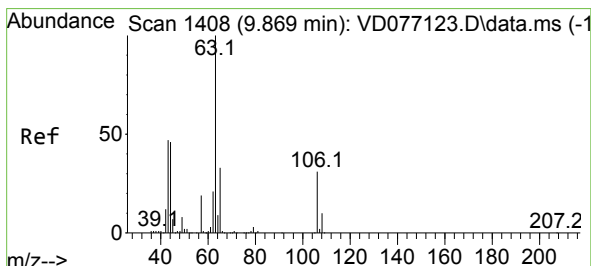
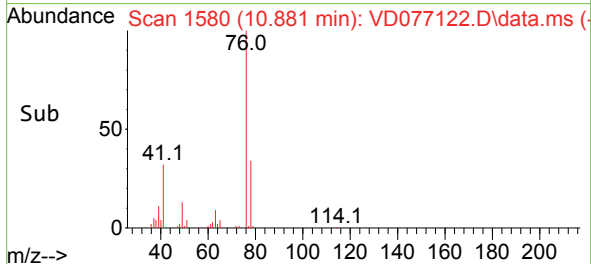
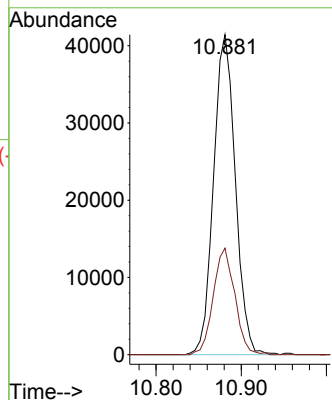
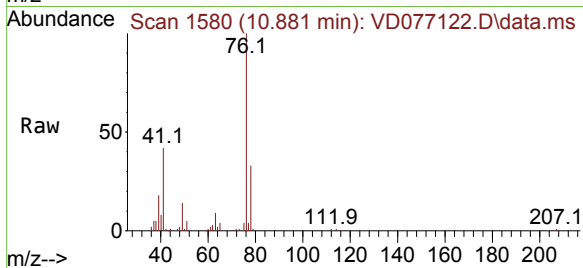
ClientSampleId :

Tgt Ion: 76 Resp: 73519

Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 78.296 ug/l

RT: 9.875 min Scan# 1409

Delta R.T. 0.006 min

Lab File: VD077122.D

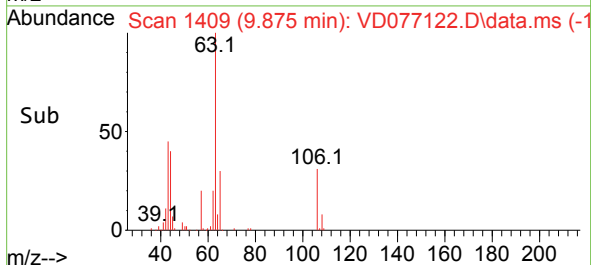
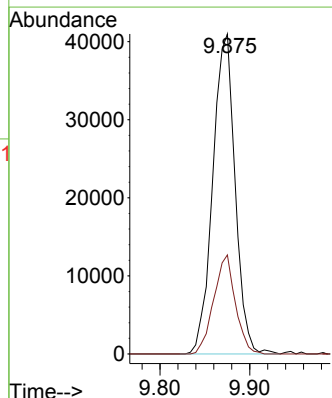
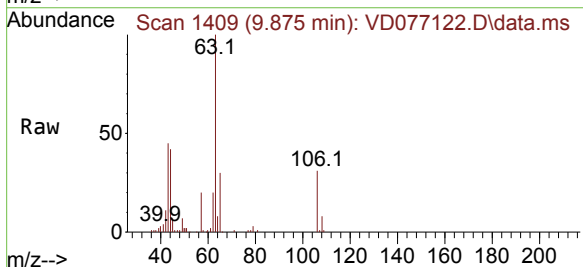
Acq: 18 Sep 2023 11:12

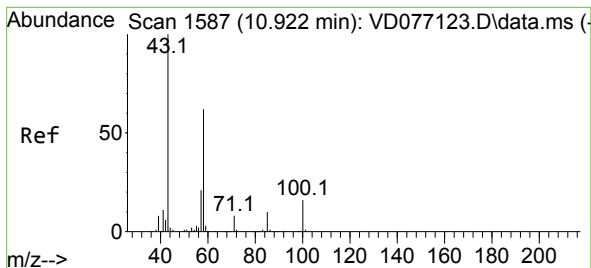
Tgt Ion: 63 Resp: 70930

Ion Ratio Lower Upper

63 100

106 29.9 25.3 37.9

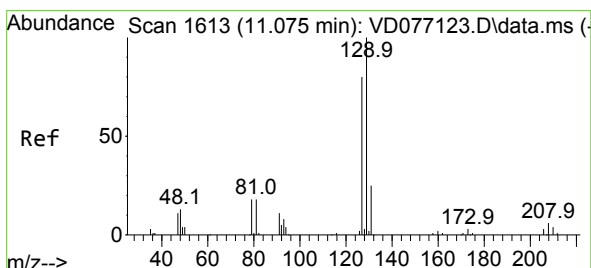
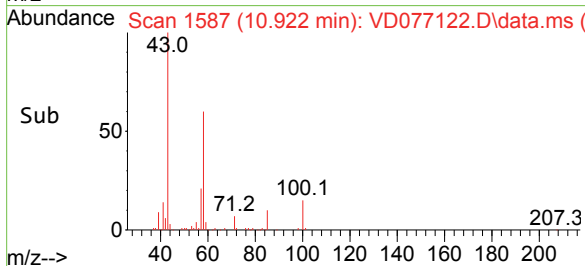
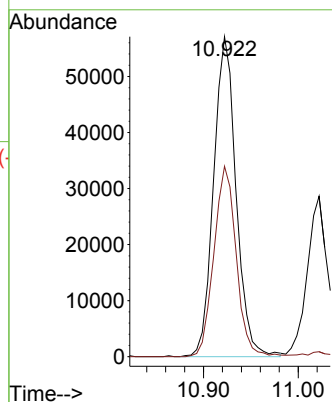
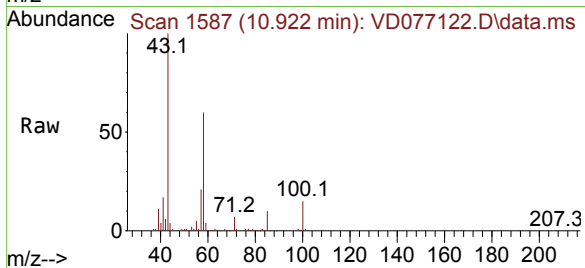




#59
2-Hexanone
Concen: 94.323 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

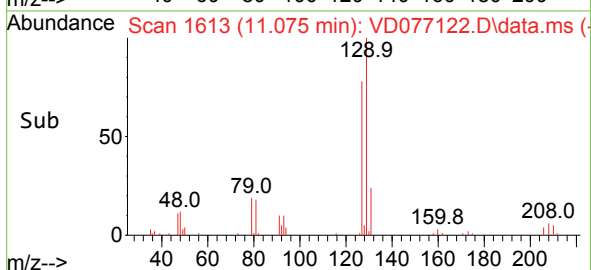
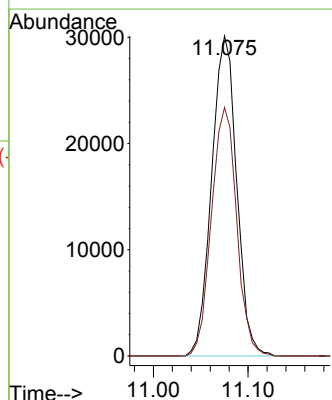
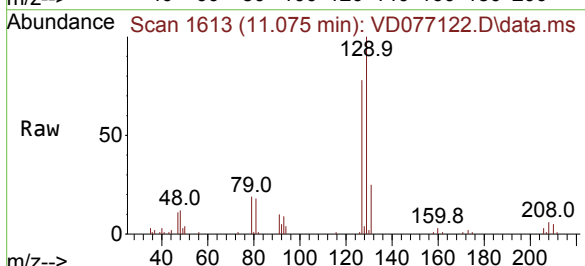
Instrument :
MSVOA_D
ClientSampleId :

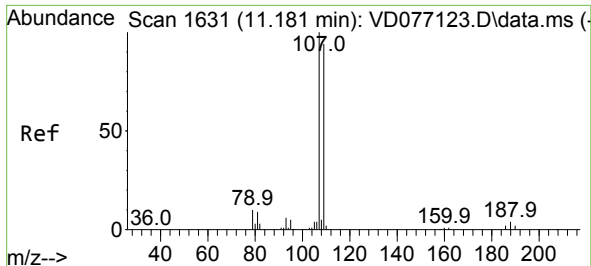
Tgt Ion: 43 Resp: 94264
Ion Ratio Lower Upper
43 100
58 59.2 34.1 102.2



#60
Dibromochloromethane
Concen: 20.188 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 129 Resp: 55370
Ion Ratio Lower Upper
129 100
127 78.1 37.1 111.5

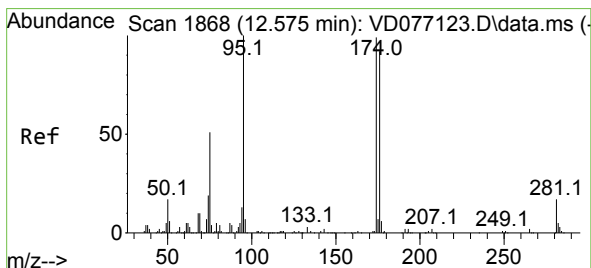
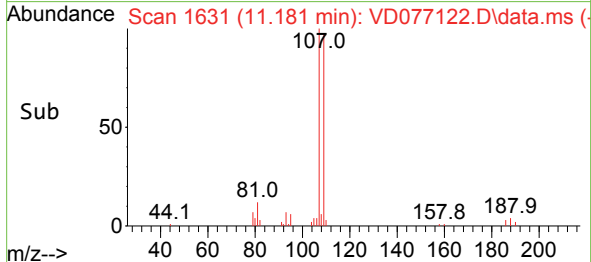
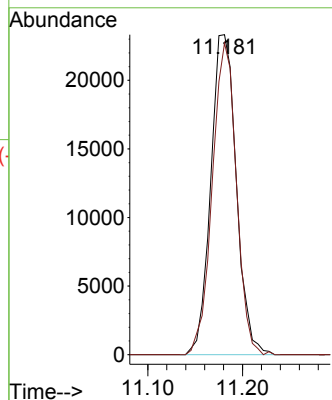
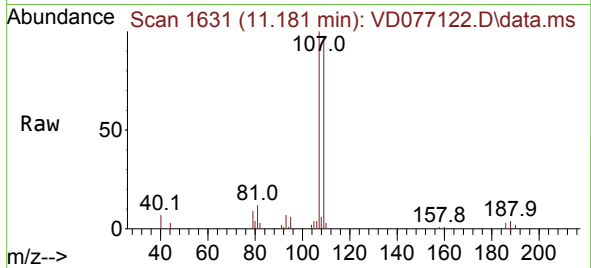




#61
1,2-Dibromoethane
Concen: 20.151 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

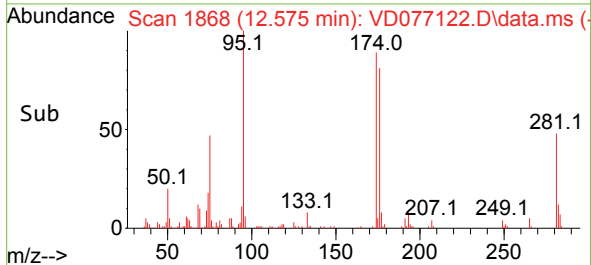
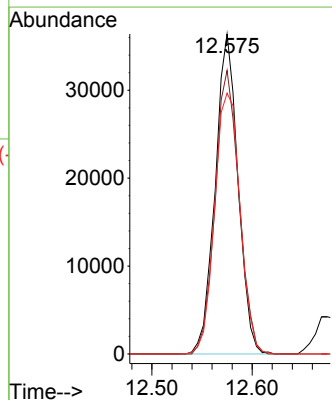
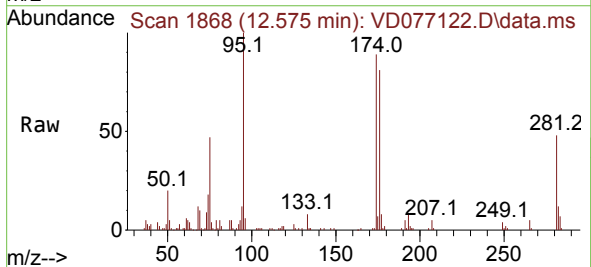
Instrument :
MSVOA_D
ClientSampleId :

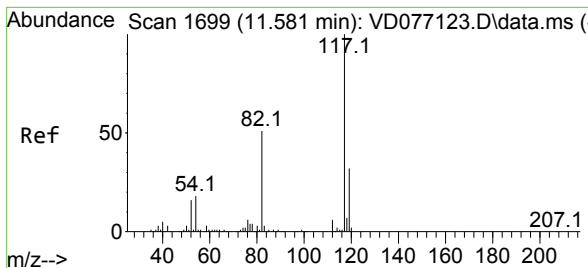
Tgt Ion:107 Resp: 43623
Ion Ratio Lower Upper
107 100
109 91.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 20.768 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

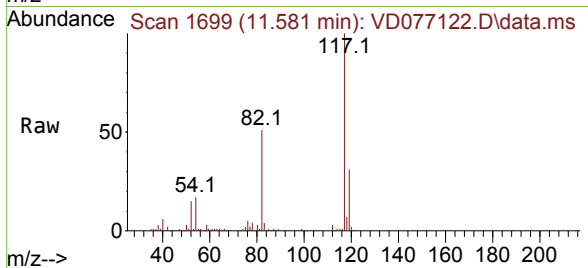
Tgt Ion: 95 Resp: 57358
Ion Ratio Lower Upper
95 100
174 93.2 0.0 201.8
176 91.0 0.0 191.8



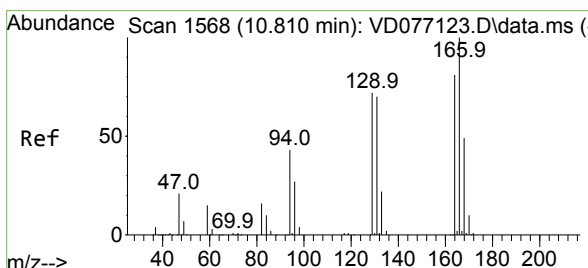
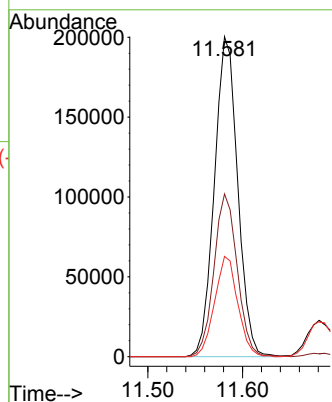
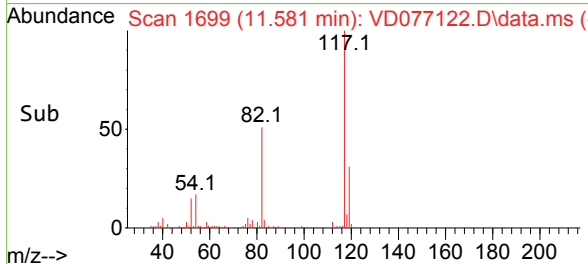


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

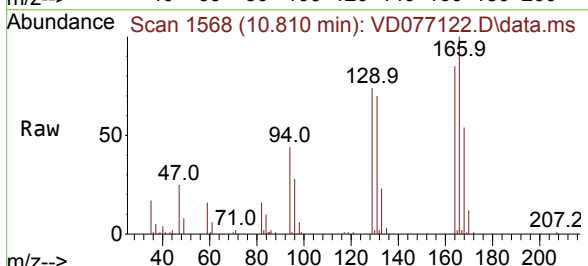
Instrument :
MSVOA_D
ClientSampleId :



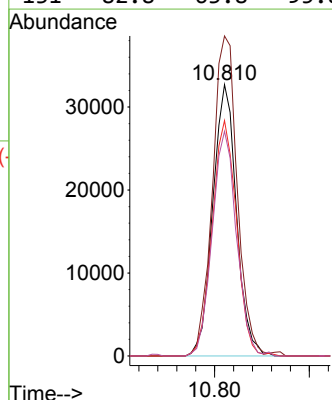
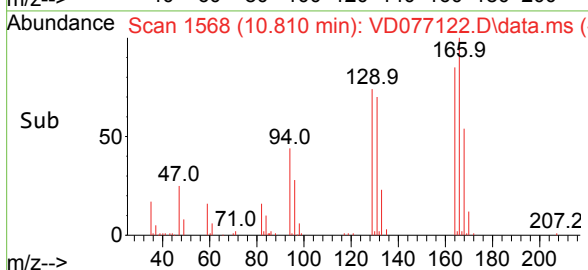
Tgt Ion:117 Resp: 342344
Ion Ratio Lower Upper
117 100
82 50.8 38.3 57.5
119 31.4 25.0 37.4

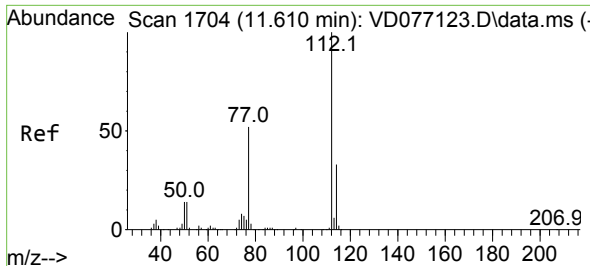


#64
Tetrachloroethene
Concen: 21.307 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12



Tgt Ion:164 Resp: 56753
Ion Ratio Lower Upper
164 100
166 117.9 99.2 148.8
129 86.7 68.4 102.6
131 82.8 63.8 95.8

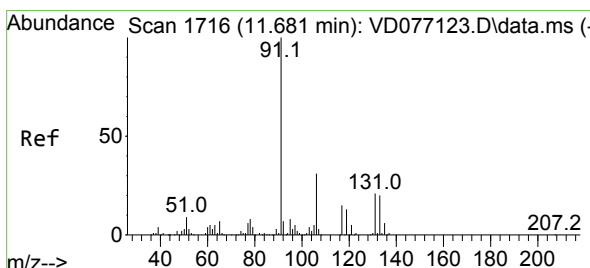
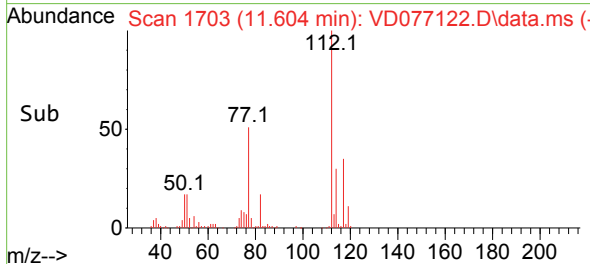
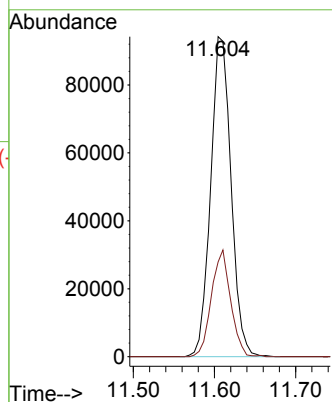
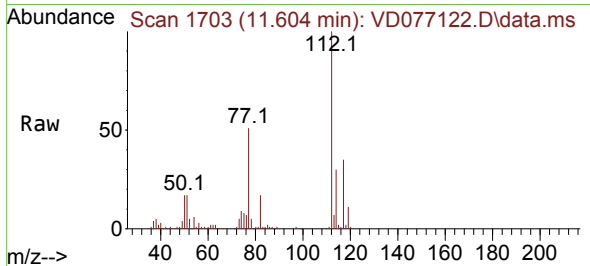




#65
Chlorobenzene
Concen: 20.434 ug/l
RT: 11.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

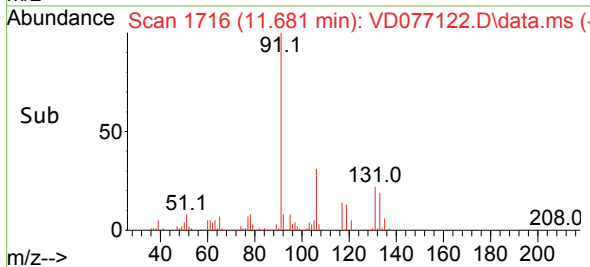
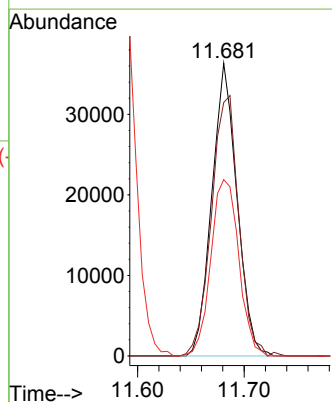
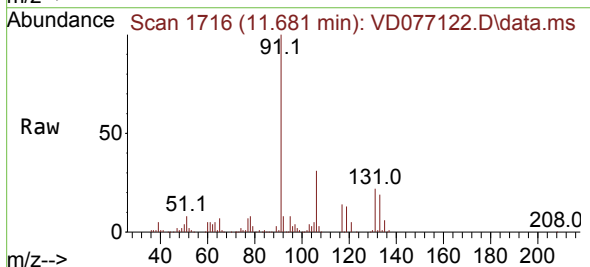
Instrument :
MSVOA_D
ClientSampleId :

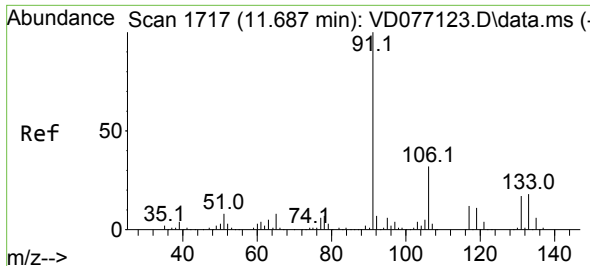
Tgt Ion:112 Resp: 164560
Ion Ratio Lower Upper
112 100
114 29.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.245 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion:131 Resp: 59649
Ion Ratio Lower Upper
131 100
133 96.9 48.5 145.5
119 66.8 35.6 106.9

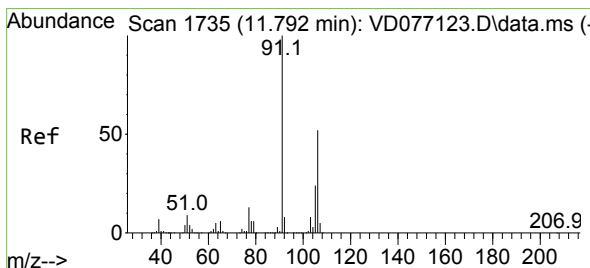
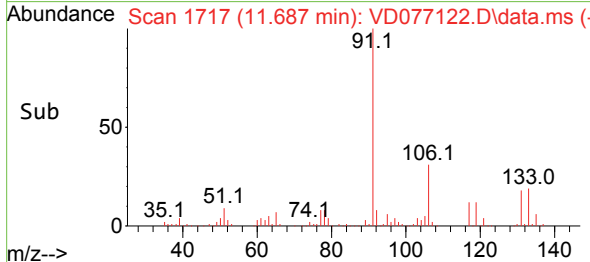
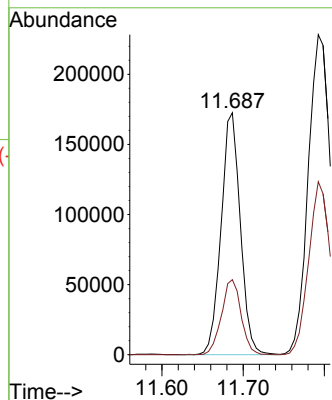
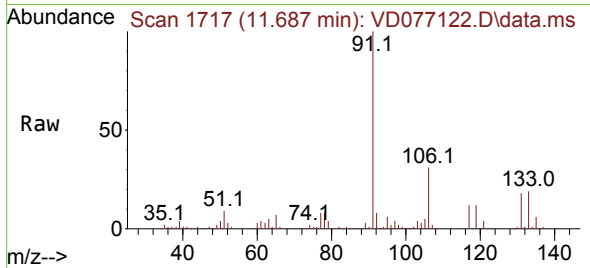




#67
Ethyl Benzene
Concen: 20.538 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

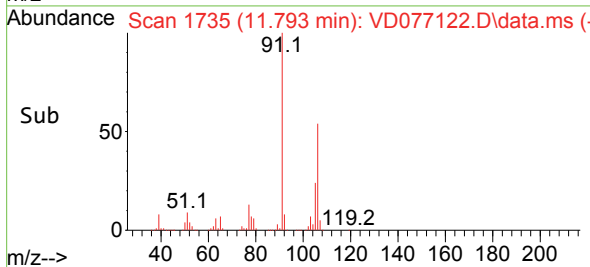
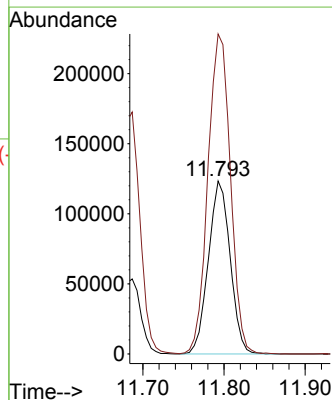
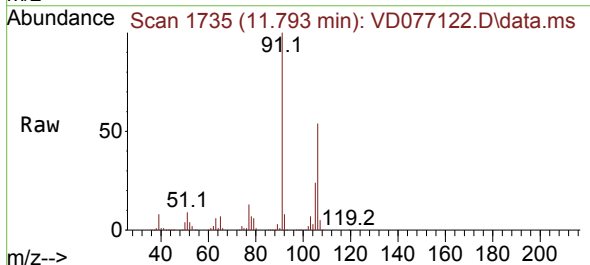
Instrument :
MSVOA_D
ClientSampleId :

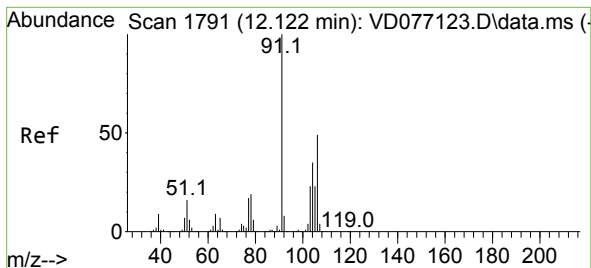
Tgt Ion: 91 Resp: 284295
Ion Ratio Lower Upper
91 100
106 31.0 26.5 39.7



#68
m/p-Xylenes
Concen: 41.502 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077122.D
Acq: 18 Sep 2023 11:12

Tgt Ion: 106 Resp: 230026
Ion Ratio Lower Upper
106 100
91 191.1 147.0 220.6





#69

o-Xylene

Concen: 20.335 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

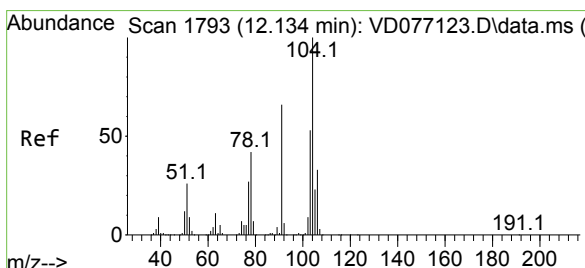
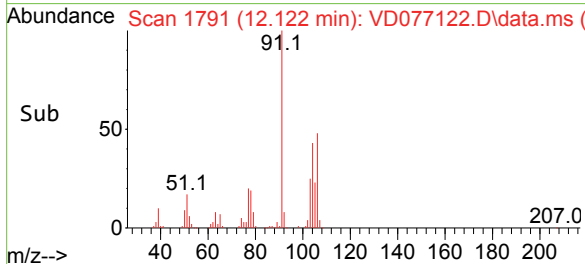
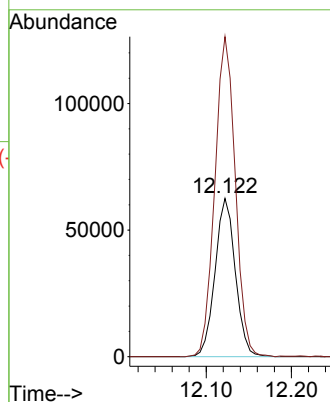
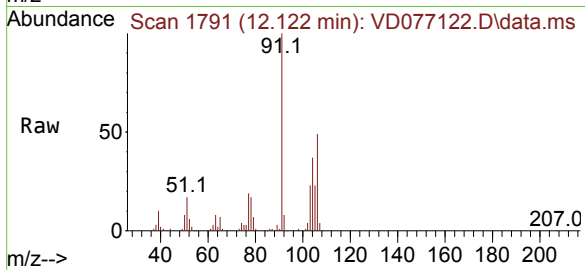
ClientSampleId :

Tgt Ion:106 Resp: 103449

Ion Ratio Lower Upper

106 100

91 203.7 97.9 293.6



#70

Styrene

Concen: 20.289 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

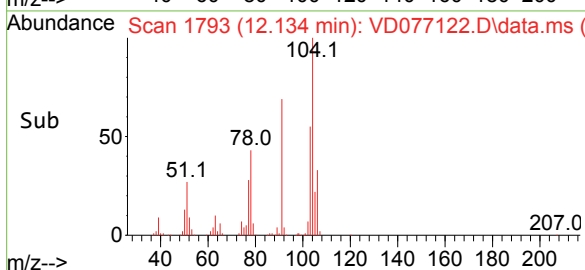
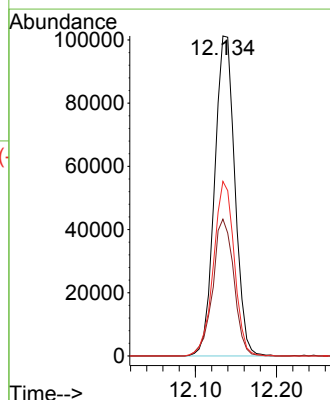
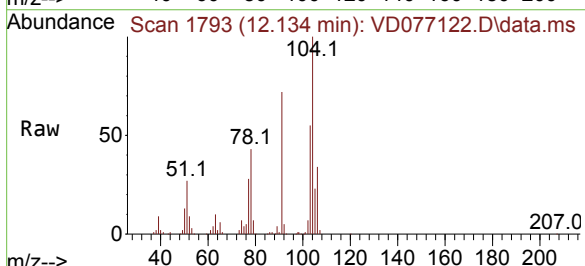
Tgt Ion:104 Resp: 175845

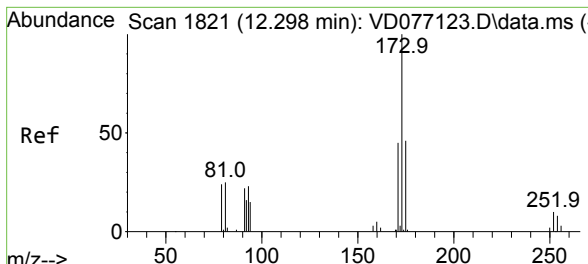
Ion Ratio Lower Upper

104 100

78 44.4 33.2 49.8

103 55.9 43.6 65.4

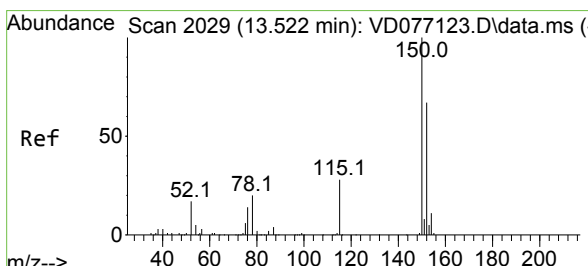
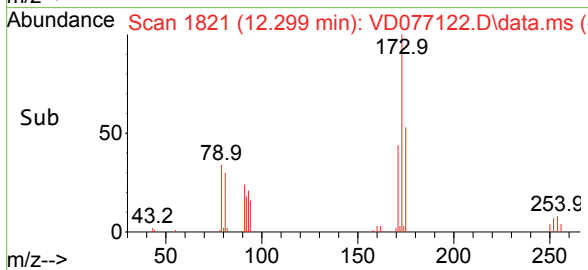
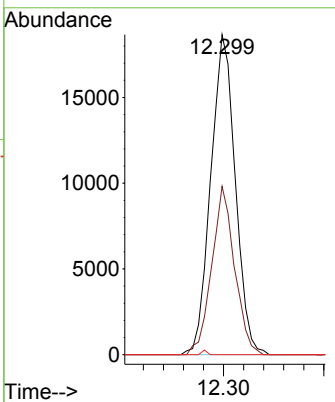
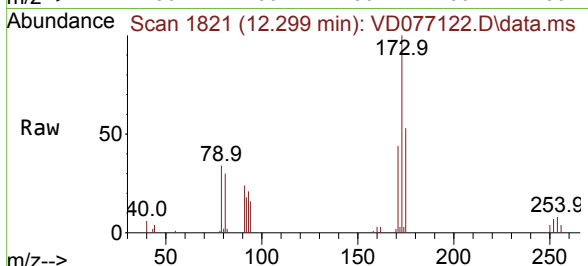




#71
 Bromoform
 Concen: 19.386 ug/l
 RT: 12.299 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

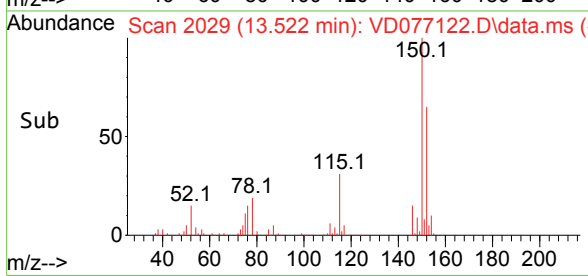
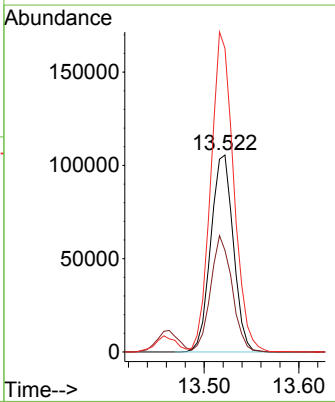
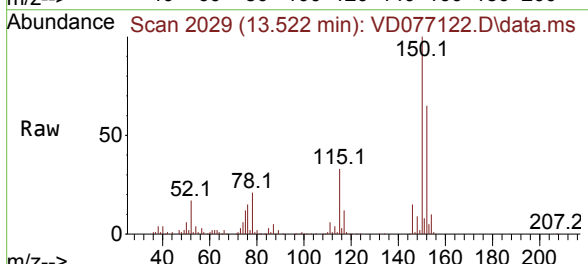
Instrument :
 MSVOA_D
 ClientSampleId :

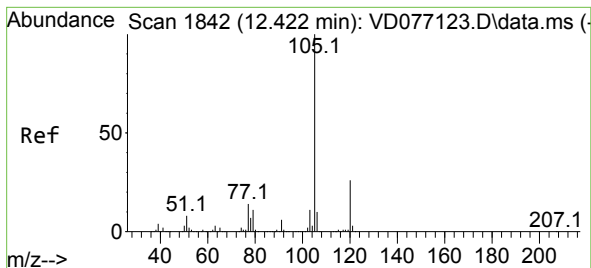
Tgt Ion:	173	Resp:	31661
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	73.8
254	0.3	0.0	0.0#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion:	152	Resp:	174776
Ion Ratio	Lower	Upper	
152	100		
115	56.4	27.1	81.3
150	165.3	0.0	353.6





#73

Isopropylbenzene

Concen: 20.457 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

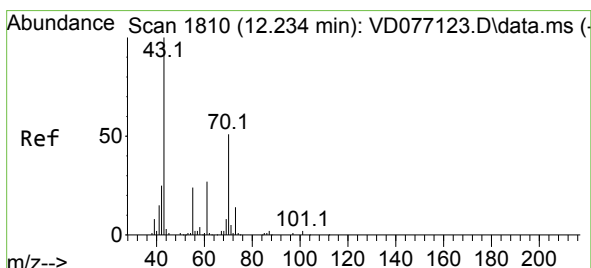
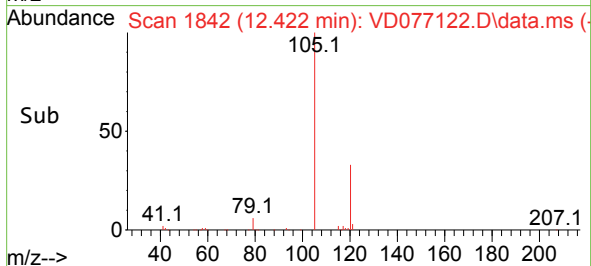
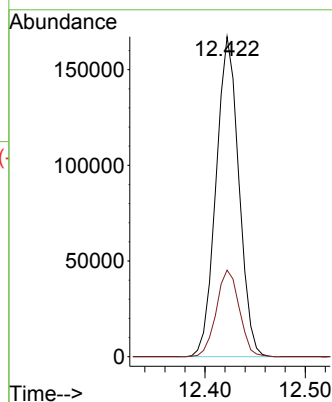
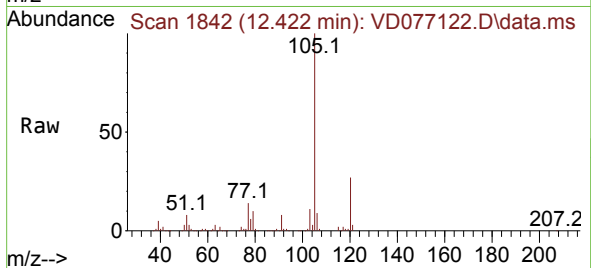
ClientSampleId :

Tgt Ion:105 Resp: 264184

Ion Ratio Lower Upper

105 100

120 27.3 14.3 42.9



#74

N-ethyl acetate

Concen: 19.236 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Tgt Ion: 43 Resp: 46664

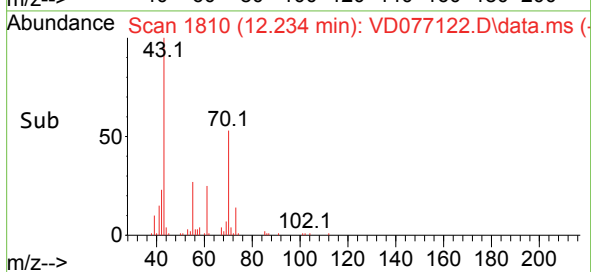
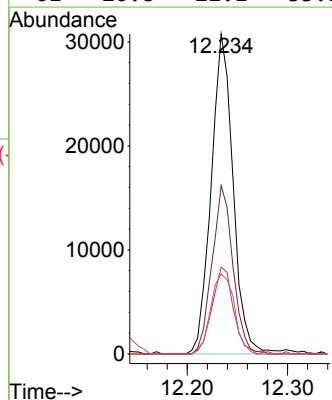
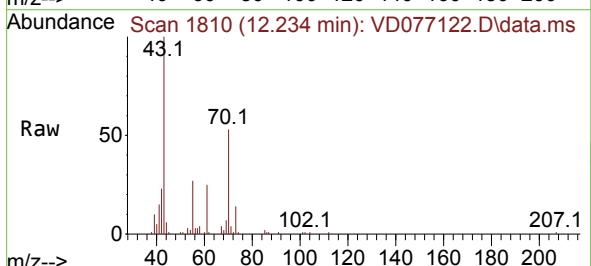
Ion Ratio Lower Upper

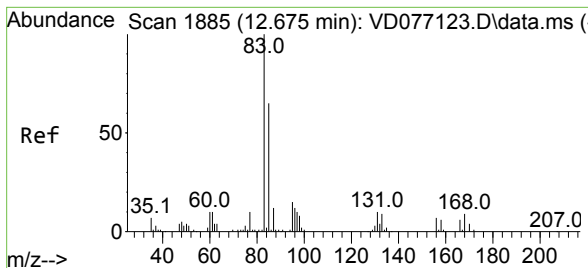
43 100

70 50.2 45.0 67.4

55 26.7 23.8 35.6

61 26.8 22.1 33.1

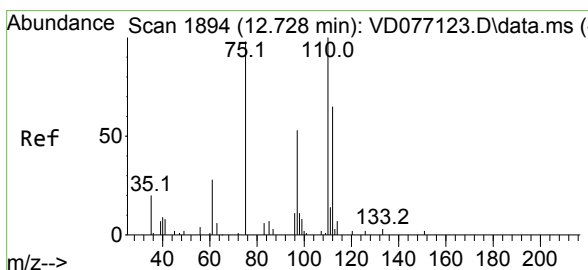
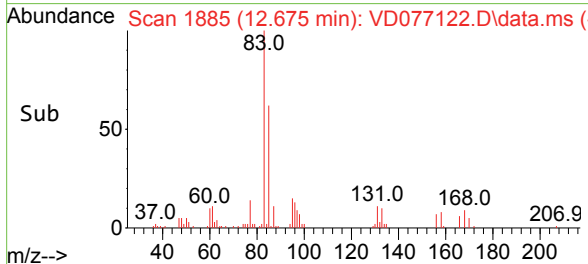
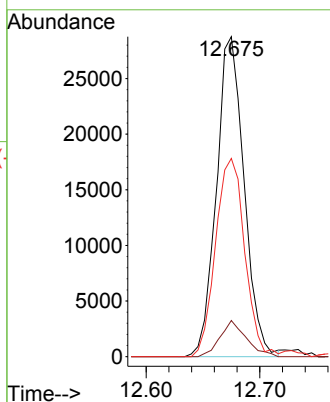
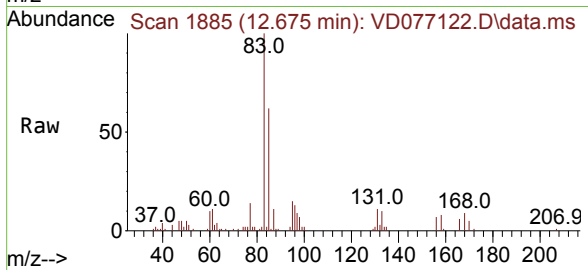




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.964 ug/l
 RT: 12.675 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

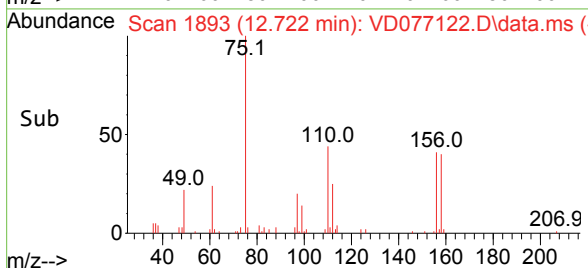
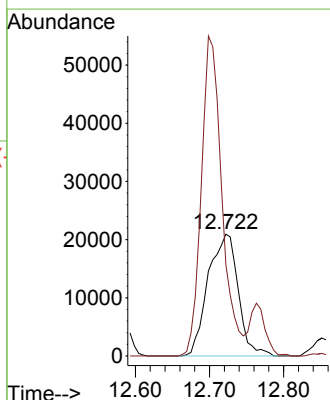
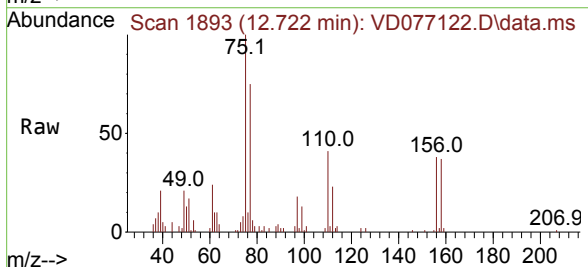
Instrument :
 MSVOA_D
 ClientSampleId :

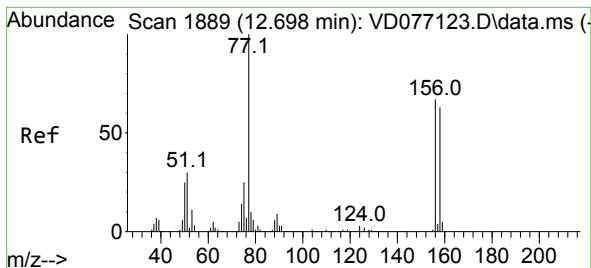
Tgt Ion: 83 Resp: 48654
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.1 15.3
 85 65.2 32.6 97.8



#76
 1,2,3-Trichloropropane
 Concen: 40.817 ug/l
 RT: 12.722 min Scan# 1893
 Delta R.T. -0.006 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion: 75 Resp: 58888
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.566 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD077122.D

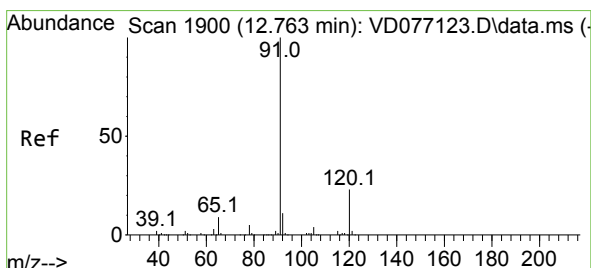
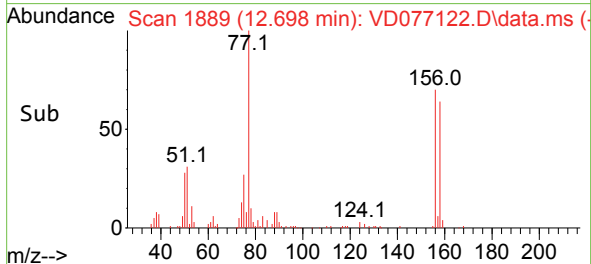
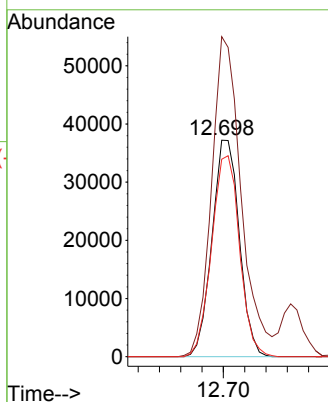
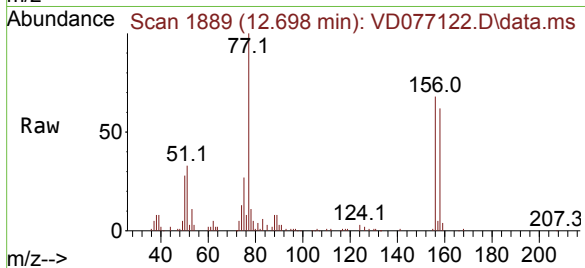
Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	156	Resp:	66134
Ion Ratio	Lower	Upper	
156	100		
77	160.4	76.8	230.4
158	95.0	48.6	145.9



#78

n-propylbenzene

Concen: 20.950 ug/l

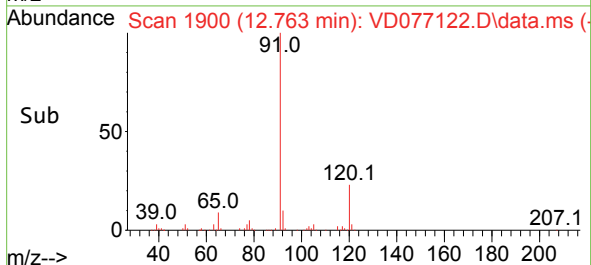
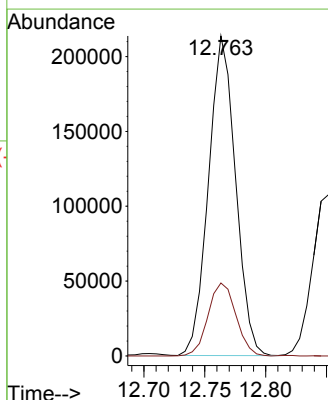
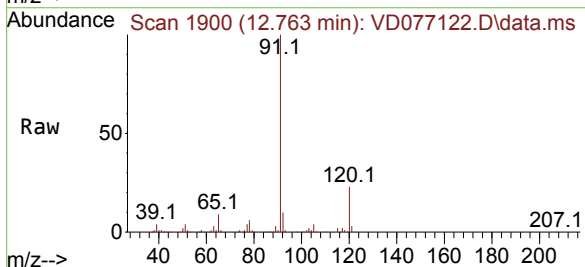
RT: 12.763 min Scan# 1900

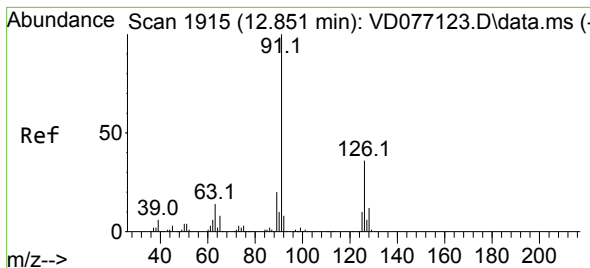
Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Tgt Ion:	91	Resp:	330695
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.378 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

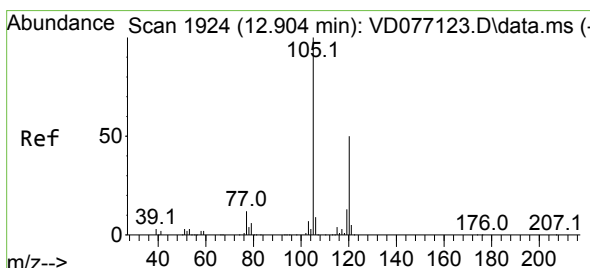
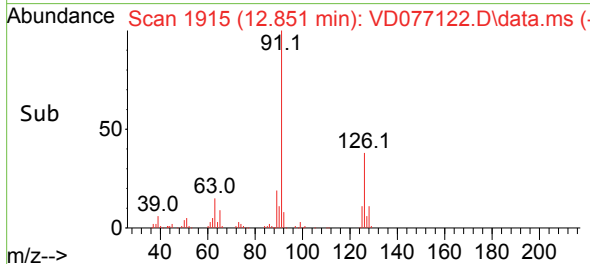
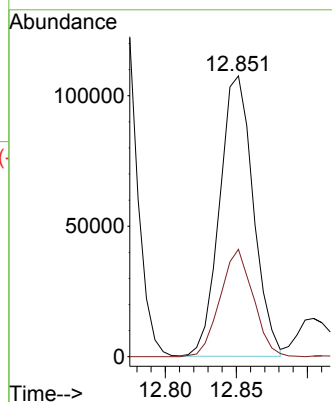
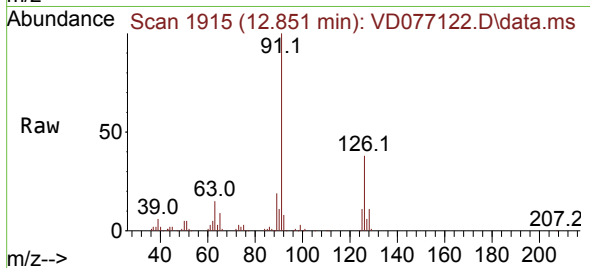
ClientSampleId :

Tgt Ion: 91 Resp: 177386

Ion Ratio Lower Upper

91 100

126 37.5 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 20.861 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077122.D

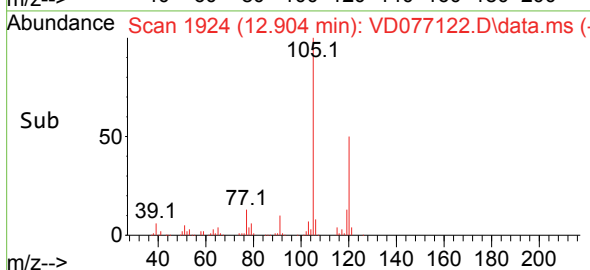
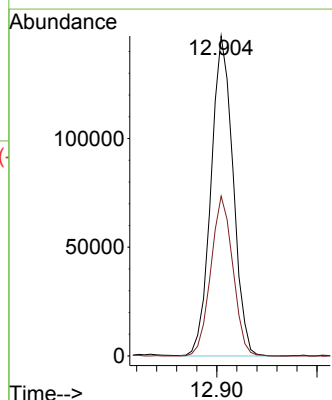
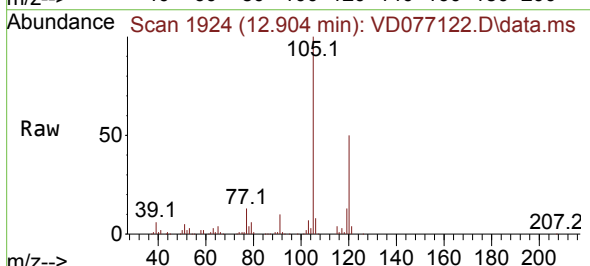
Acq: 18 Sep 2023 11:12

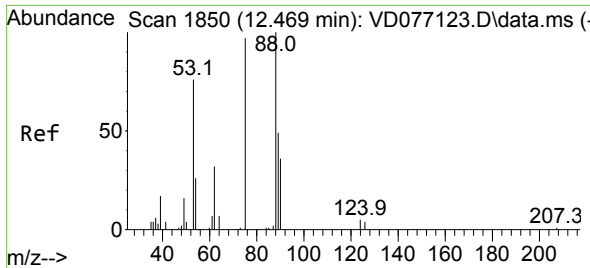
Tgt Ion: 105 Resp: 224990

Ion Ratio Lower Upper

105 100

120 49.8 26.4 79.2

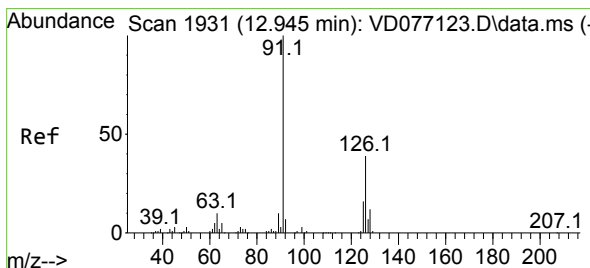
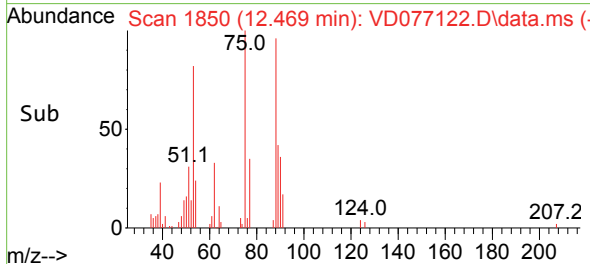
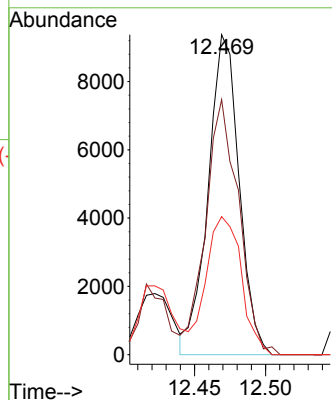
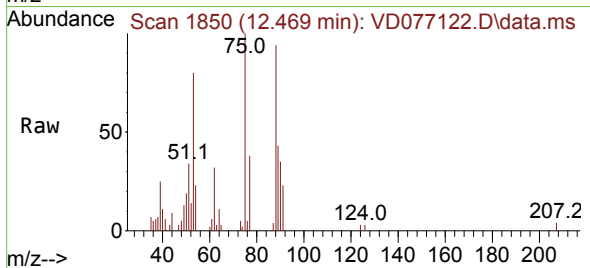




#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.283 ug/l
 RT: 12.469 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

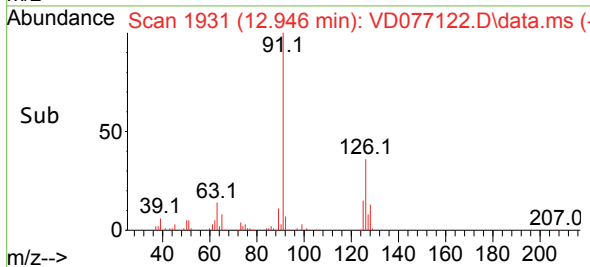
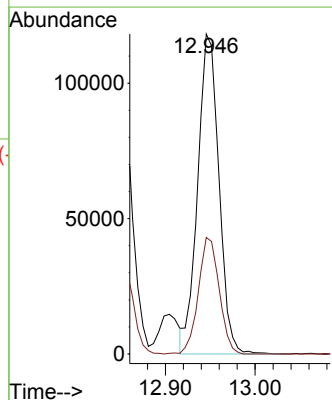
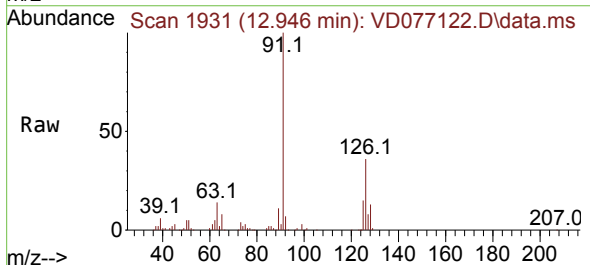
Instrument :
 MSVOA_D
 ClientSampleId :

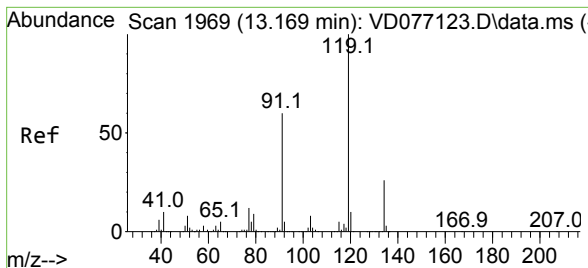
Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.9	63.0	94.4
89	48.8	37.9	56.9



#82
 4-Chlorotoluene
 Concen: 21.227 ug/l
 RT: 12.946 min Scan# 1931
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	19.4	58.4





#83

tert-Butylbenzene

Concen: 20.863 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

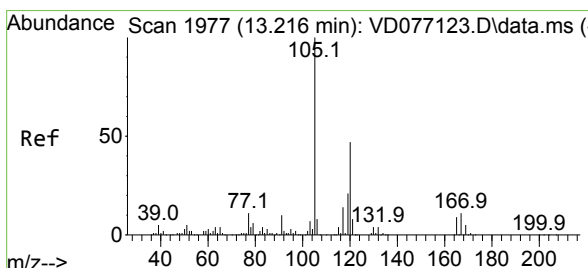
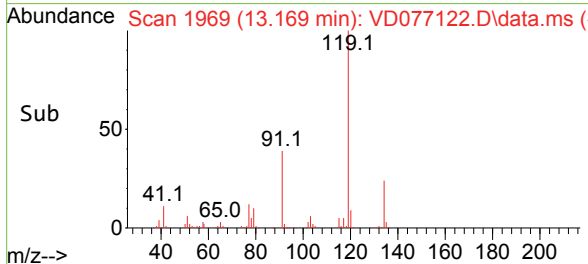
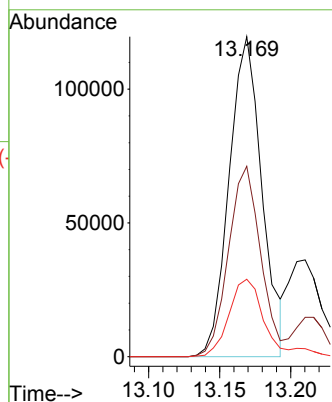
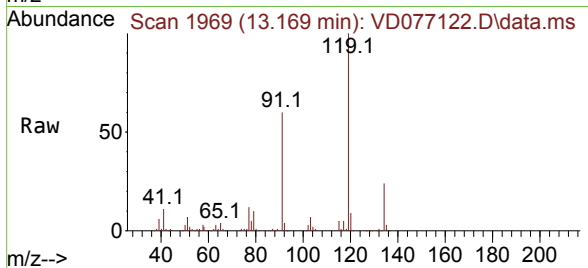
Tgt Ion:119 Resp: 192239

Ion Ratio Lower Upper

119 100

91 58.2 29.3 87.8

134 26.7 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 20.507 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD077122.D

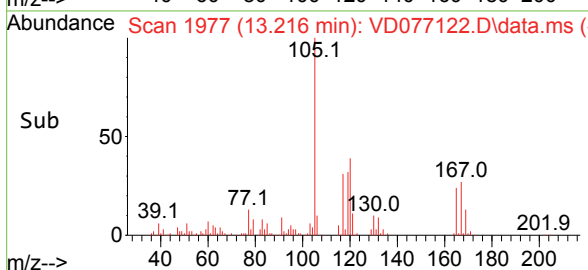
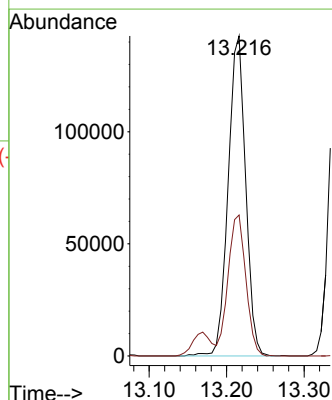
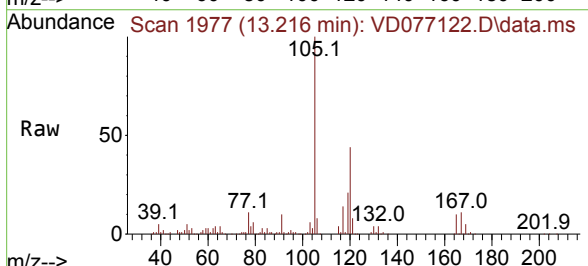
Acq: 18 Sep 2023 11:12

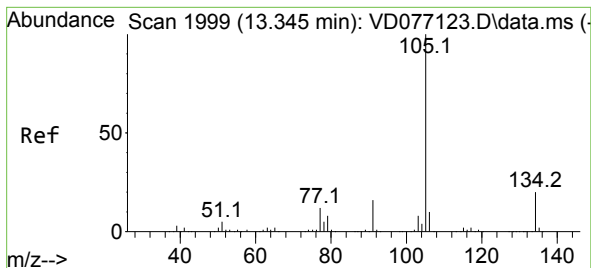
Tgt Ion:105 Resp: 224272

Ion Ratio Lower Upper

105 100

120 44.9 24.3 72.9





#85

sec-Butylbenzene

Concen: 20.931 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

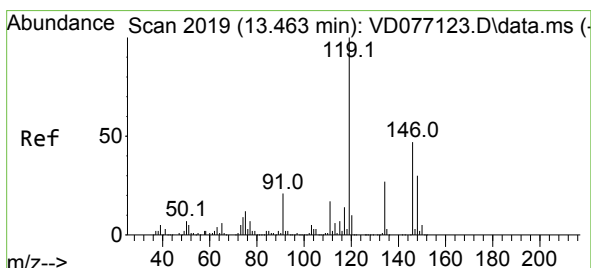
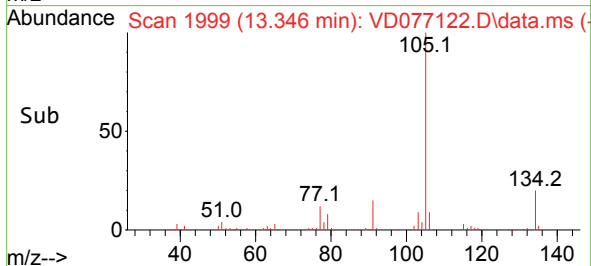
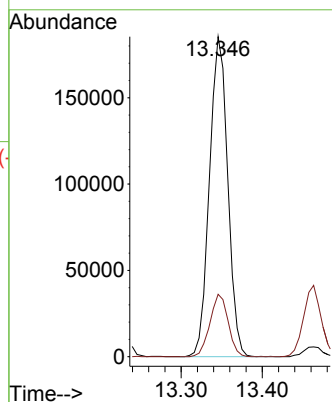
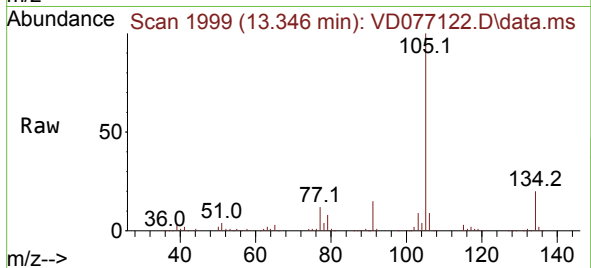
ClientSampleId :

Tgt Ion:105 Resp: 289412

Ion Ratio Lower Upper

105 100

134 19.4 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.553 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

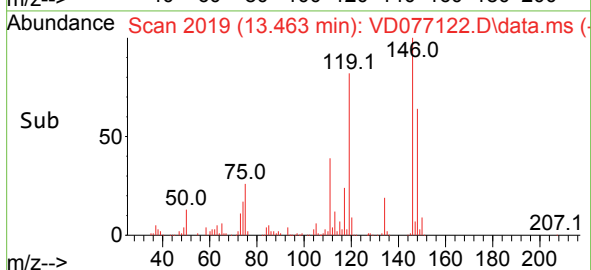
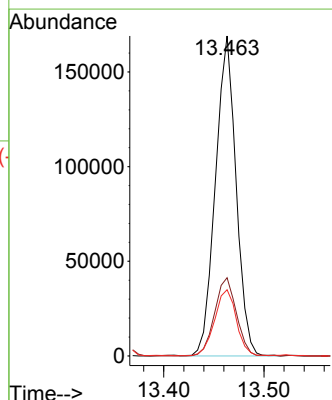
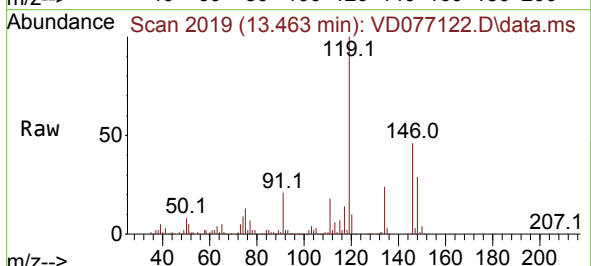
Tgt Ion:119 Resp: 241085

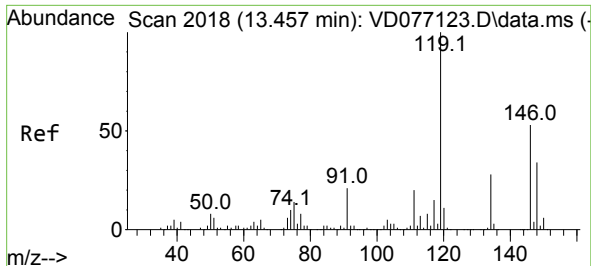
Ion Ratio Lower Upper

119 100

134 25.9 14.2 42.6

91 21.7 10.5 31.5

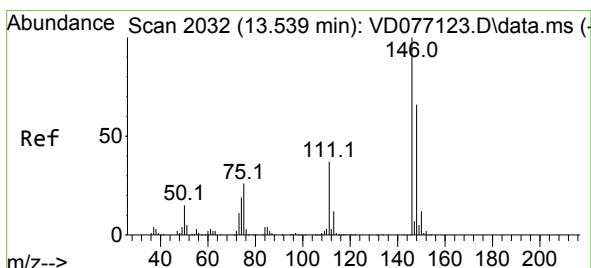
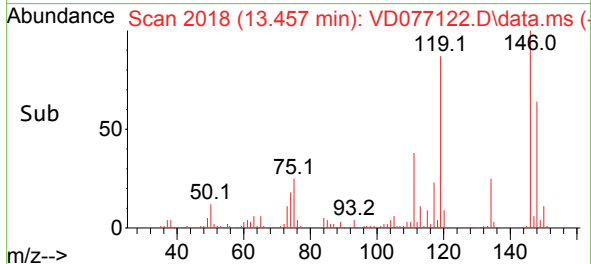
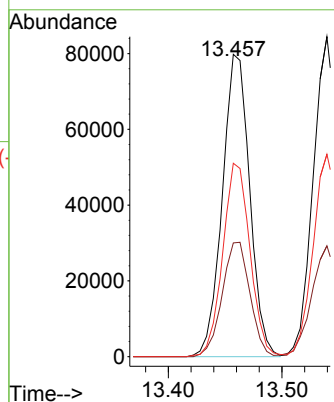
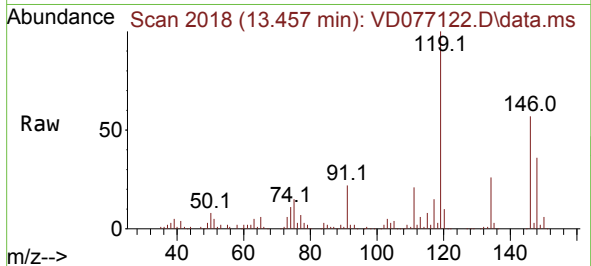




#87
 1,3-Dichlorobenzene
 Concen: 20.205 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

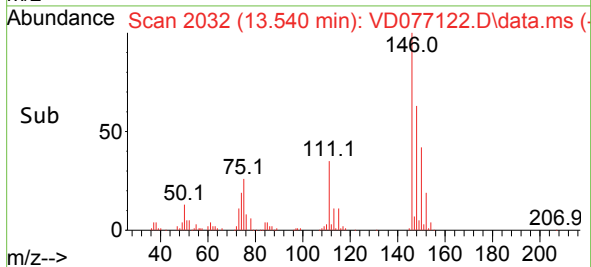
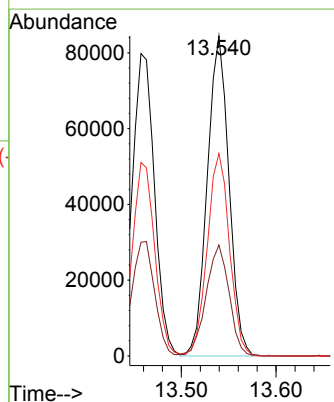
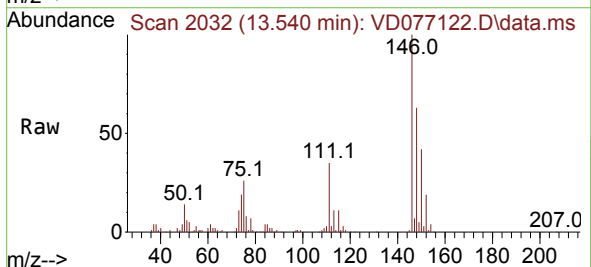
Instrument :
 MSVOA_D
 ClientSampleId :

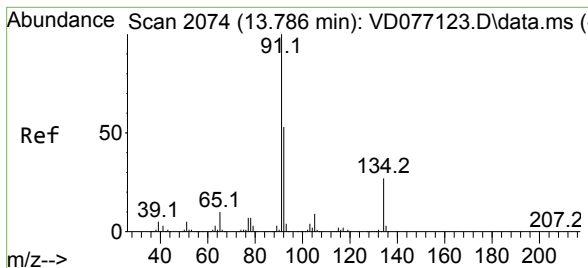
Tgt Ion:146 Resp: 133616
 Ion Ratio Lower Upper
 146 100
 111 38.3 17.9 53.8
 148 63.9 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD077122.D
 Acq: 18 Sep 2023 11:12

Tgt Ion:146 Resp: 133721
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.4 52.3
 148 64.9 31.7 95.1





#89

n-Butylbenzene

Concen: 20.300 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

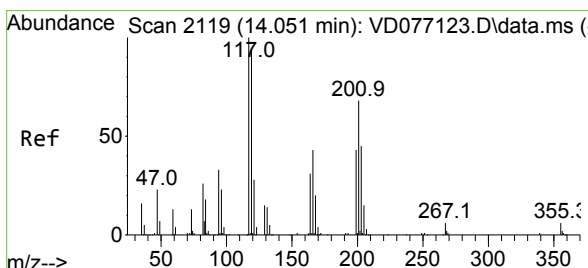
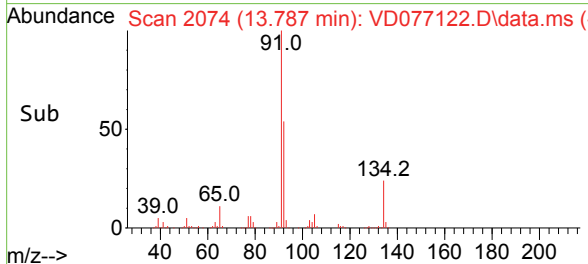
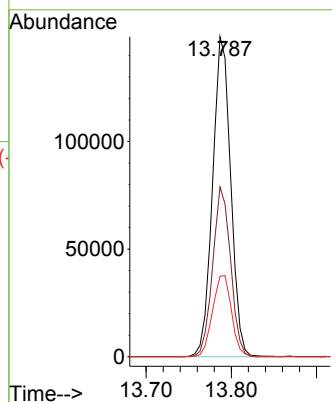
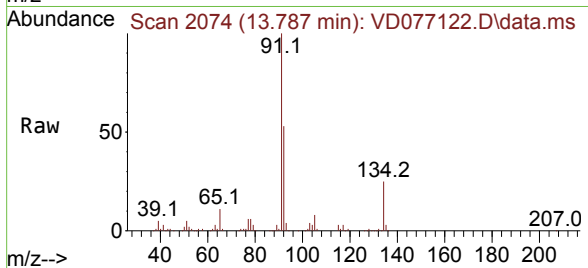
Tgt Ion: 91 Resp: 219665

Ion Ratio Lower Upper

91 100

92 52.3 26.5 79.5

134 26.5 13.8 41.3



#90

Hexachloroethane

Concen: 21.003 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD077122.D

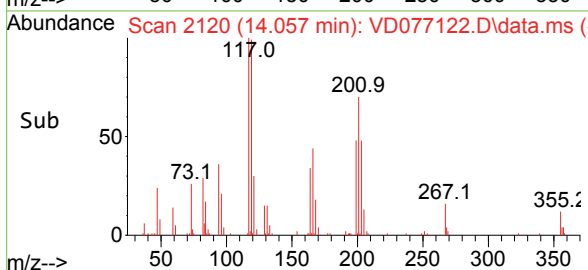
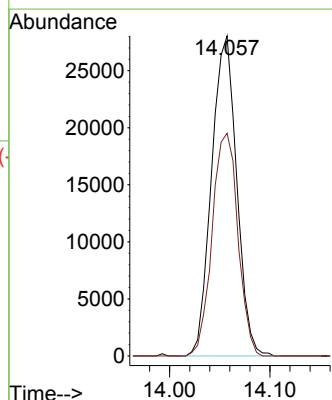
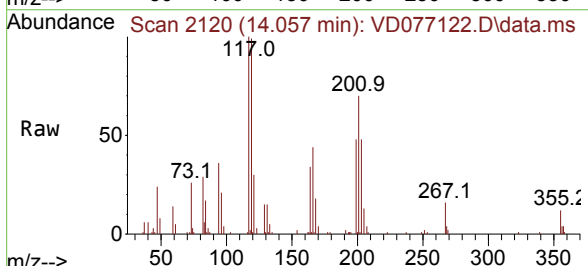
Acq: 18 Sep 2023 11:12

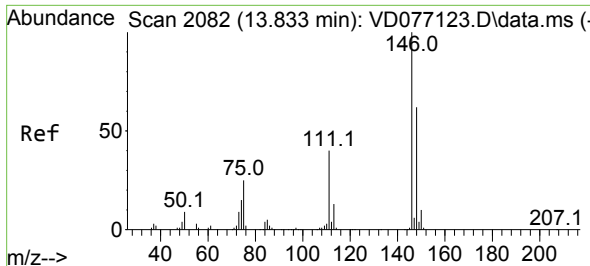
Tgt Ion: 117 Resp: 48860

Ion Ratio Lower Upper

117 100

201 71.2 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 20.548 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

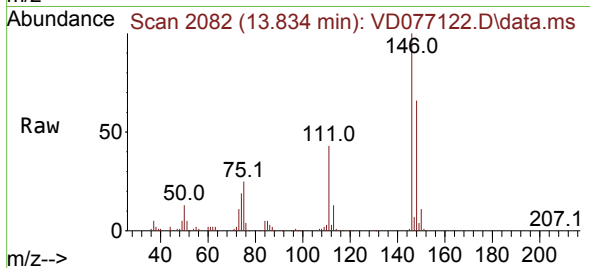
Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :



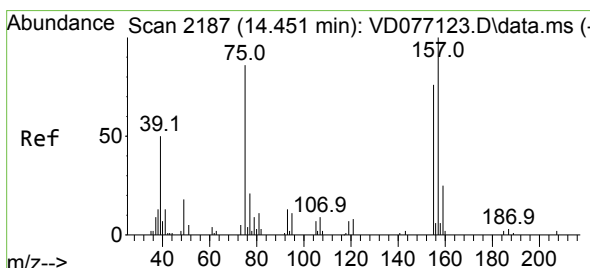
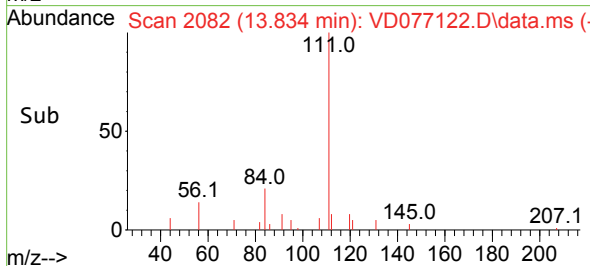
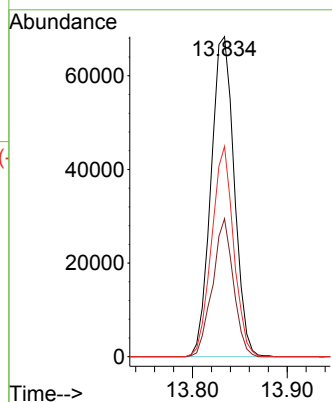
Tgt Ion:146 Resp: 116509

Ion Ratio Lower Upper

146 100

111 38.8 18.3 54.8

148 62.3 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.822 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

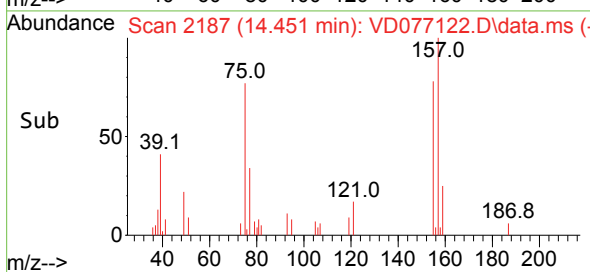
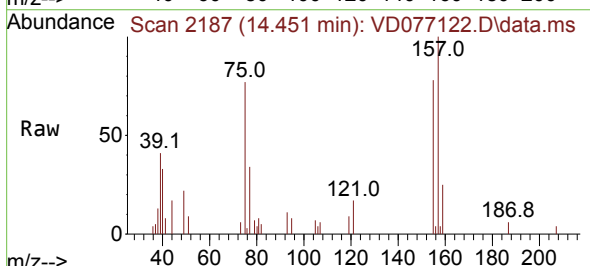
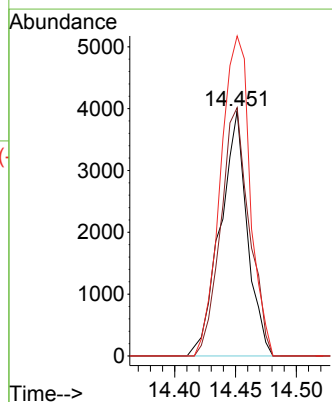
Tgt Ion: 75 Resp: 6125

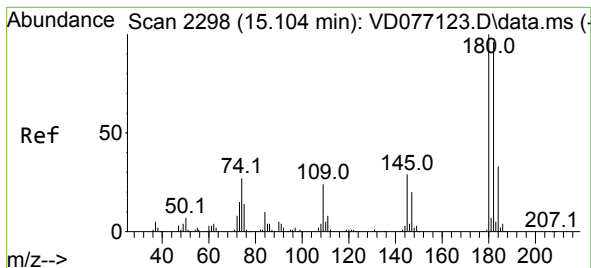
Ion Ratio Lower Upper

75 100

155 106.9 47.9 143.8

157 143.6 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 19.923 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

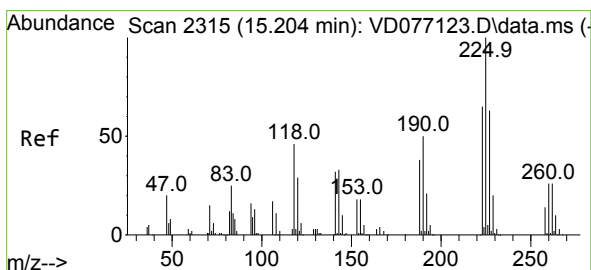
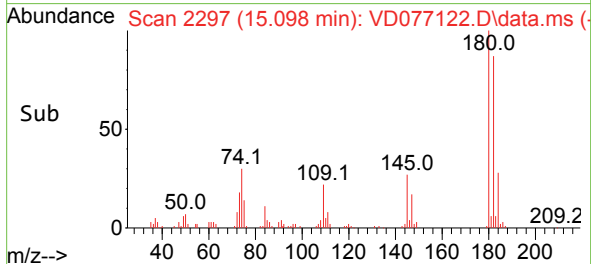
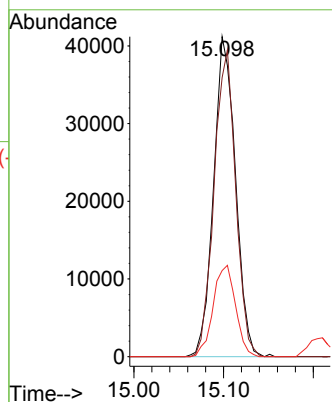
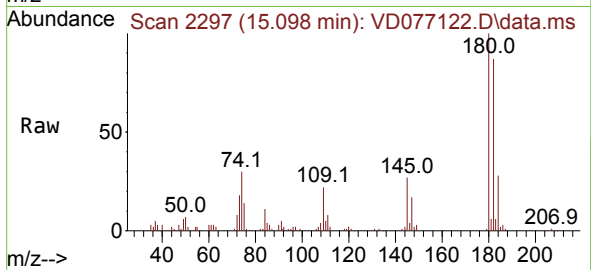
Tgt Ion:180 Resp: 69695

Ion Ratio Lower Upper

180 100

182 94.7 48.5 145.6

145 29.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 20.631 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

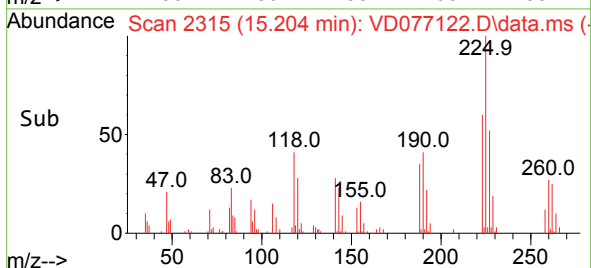
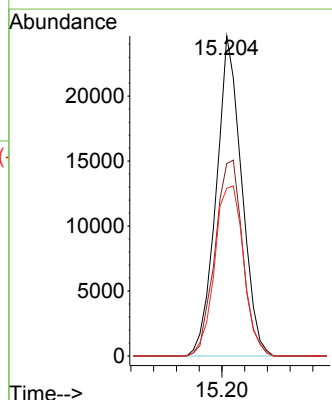
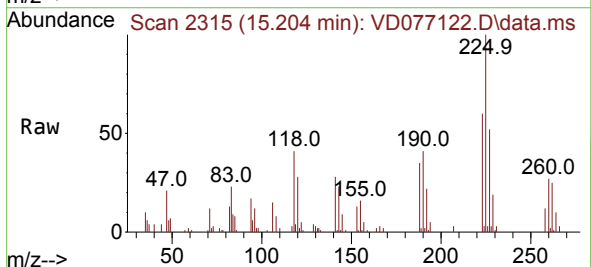
Tgt Ion:225 Resp: 38245

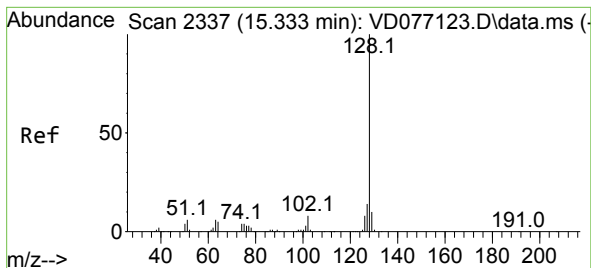
Ion Ratio Lower Upper

225 100

223 66.5 31.6 94.8

227 60.7 31.7 95.1





#95

Naphthalene

Concen: 19.152 ug/l

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD077122.D

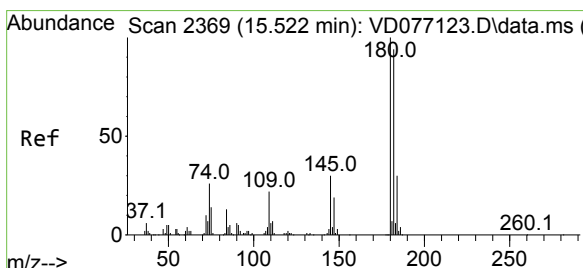
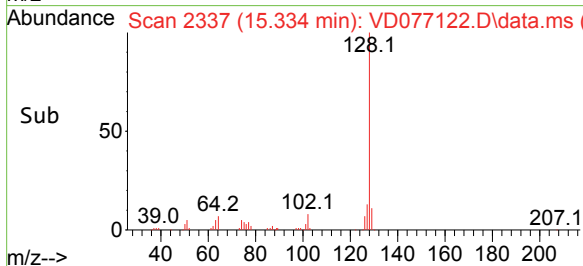
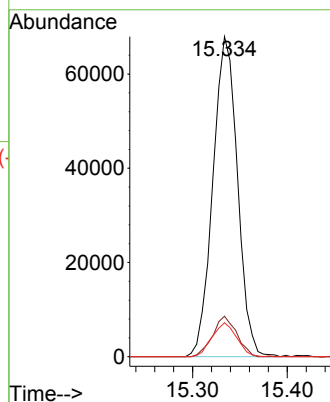
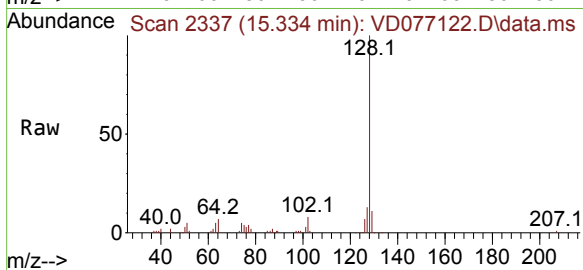
Acq: 18 Sep 2023 11:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	128	Resp:	122851
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.6	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 19.042 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD077122.D

Acq: 18 Sep 2023 11:12

Tgt Ion:	180	Resp:	59208
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.3	141.9
145	31.2	15.1	45.3

