

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
 Data File : VD077218.D
 Acq On : 25 Sep 2023 15:51
 Operator : JC/SY
 Sample : VSTDICV025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 26 00:46:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 23:07:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	281693	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	285877	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	156062	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	151626	20.351	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.400%
7) Chloroethane-d5	2.805	69	149041	31.745	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.960%
11) 1,1-Dichloroethene-d2	3.916	65	41641	19.864	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.440%
21) 2-Butanone-d5	6.987	46	67150	49.745	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.480%
24) Chloroform-d	7.569	84	246901	23.244	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.960%
26) 1,2-Dichloroethane-d4	8.228	65	120769	22.856	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.440%
32) Benzene-d6	8.199	84	475024	22.876	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.520%
36) 1,2-Dichloropropane-d6	9.210	67	147186	22.805	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.200%
41) Toluene-d8	10.269	98	434041	23.793	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.160%
43) trans-1,3-Dichloroprop...	10.528	79	60305	22.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.920%
47) 2-Hexanone-d5	10.875	63	52049	50.412	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	144533	24.784	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.120%
66) 1,2-Dichlorobenzene-d4	13.816	152	149425	23.226	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	85929	18.758	ug/L	99
3) Chloromethane	2.146	50	144855	24.372	ug/L	99
5) Vinyl chloride	2.281	62	160018	22.606	ug/L	96
6) Bromomethane	2.693	94	109321	25.243	ug/L	98
8) Chloroethane	2.834	64	117232	33.771	ug/L	99
9) Trichlorofluoromethane	3.175	101	172423	23.559	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	114061	21.804	ug/L	97
12) 1,1-Dichloroethene	3.946	96	100516	23.027	ug/L	83
13) Acetone	4.022	43	60872	43.459	ug/L	99
14) Carbon disulfide	4.275	76	272023	23.897	ug/L	96
15) Methyl Acetate	4.563	43	52471	21.936	ug/L	95
16) Methylene chloride	4.799	84	144020	20.530	ug/L	97
17) trans-1,2-Dichloroethene	5.305	96	114259	23.255	ug/L	93
18) Methyl tert-butyl Ether	5.322	73	264661	22.852	ug/L	99
19) 1,1-Dichloroethane	6.116	63	212875	22.988	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	135758	22.631	ug/L	97
22) 2-Butanone	7.081	43	79887	44.091	ug/L	97
23) Bromochloromethane	7.422	128	64809	22.817	ug/L	87
25) Chloroform	7.593	83	238535	23.278	ug/L	98

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 Response via : Initial Calibration

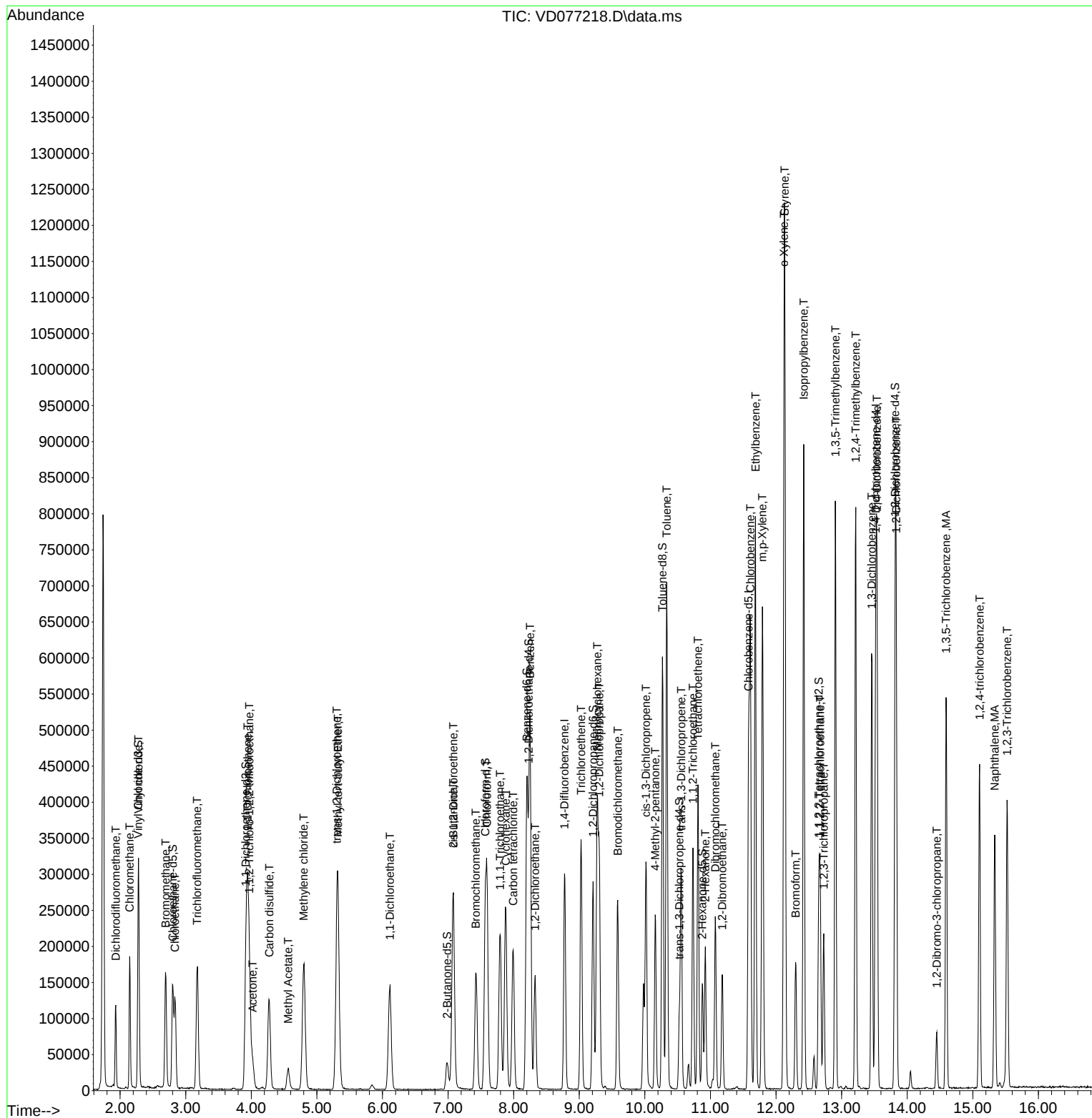
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	137745	22.721	ug/L	100
29) Cyclohexane	7.881	56	137056	23.567	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	189090	22.833	ug/L	99
31) Carbon tetrachloride	7.993	117	155015	23.160	ug/L	100
33) Benzene	8.251	78	498193	23.604	ug/L	100
34) Trichloroethene	9.028	95	123841	23.252	ug/L	95
35) Methylcyclohexane	9.275	83	168167	22.672	ug/L	97
37) 1,2-Dichloropropane	9.304	63	134916	23.299	ug/L	99
38) Bromodichloromethane	9.587	83	178510	23.197	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	202348	23.002	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	155958	47.004	ug/L	98
42) Toluene	10.334	91	542327	23.817	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	177355	23.323	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110130	22.334	ug/L	94
46) Tetrachloroethene	10.810	164	96238	23.036	ug/L	95
48) 2-Hexanone	10.922	43	119427	46.935	ug/L	99
49) Dibromochloromethane	11.075	129	124547	22.692	ug/L	97
50) 1,2-Dibromoethane	11.181	107	105527	22.867	ug/L	94
51) Chlorobenzene	11.610	112	354024	22.890	ug/L	98
52) Ethylbenzene	11.687	91	575065	23.295	ug/L	98
53) m,p-Xylene	11.792	106	222758	23.660	ug/L	90
54) o-Xylene	12.122	106	216549	23.588	ug/L	99
55) Styrene	12.134	104	403295	24.162	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	136701	23.189	ug/L	99
59) Bromoform	12.298	173	82400	23.452	ug/L	100
60) Isopropylbenzene	12.422	105	569837	23.369	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	90121	22.802	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	443650	23.796	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	439086	23.719	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	271978	22.918	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	278373	22.447	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	248339	22.715	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	18503	21.880	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	173610	22.253	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	148604	22.223	ug/L	98
71) Naphthalene	15.333	128	312148	22.551	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	138011	22.091	ug/L	100

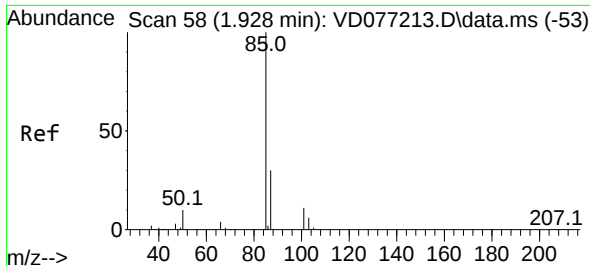
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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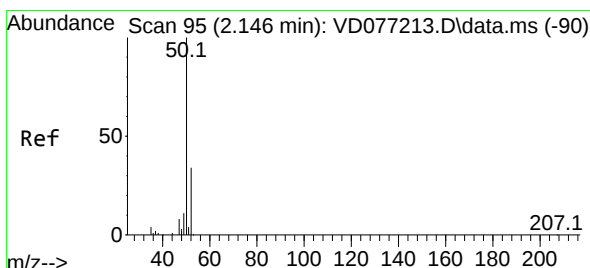
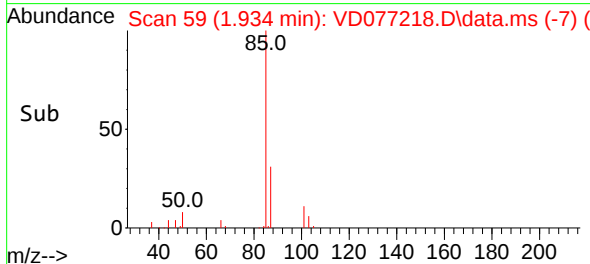
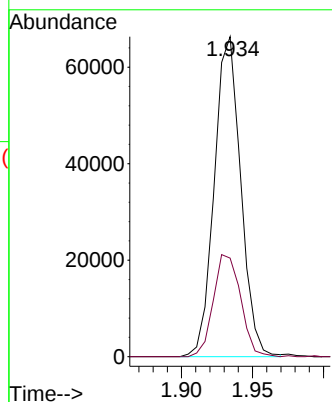
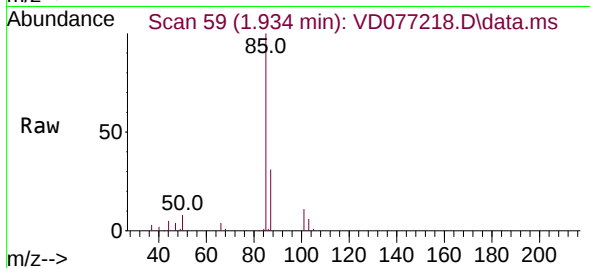




#2
Dichlorodifluoromethane
Concen: 18.758 ug/L
RT: 1.934 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

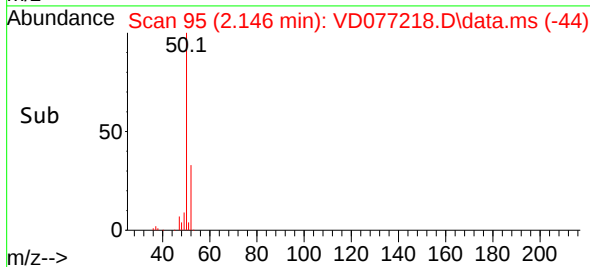
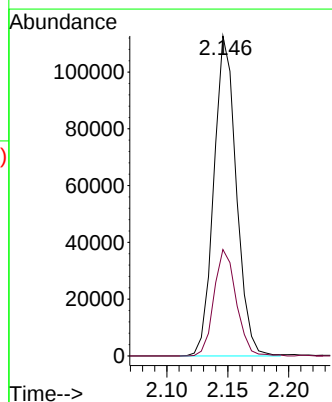
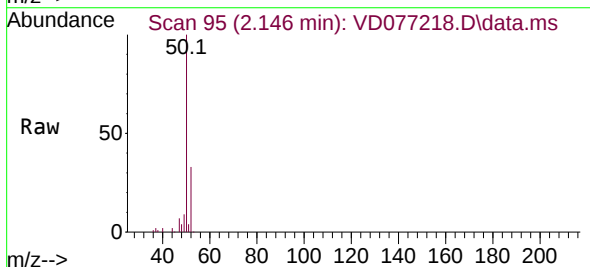
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ClientSampleId :

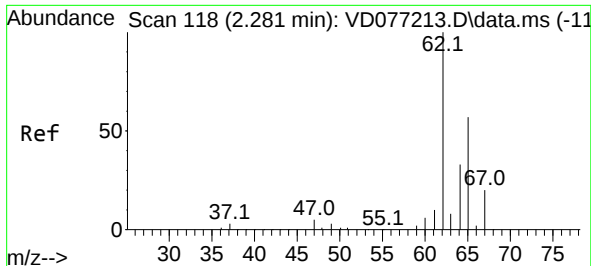
Tgt Ion: 85 Resp: 85929
Ion Ratio Lower Upper
85 100
87 32.8 25.9 38.9



#3
Chloromethane
Concen: 24.372 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 50 Resp: 144855
Ion Ratio Lower Upper
50 100
52 33.3 23.6 43.8

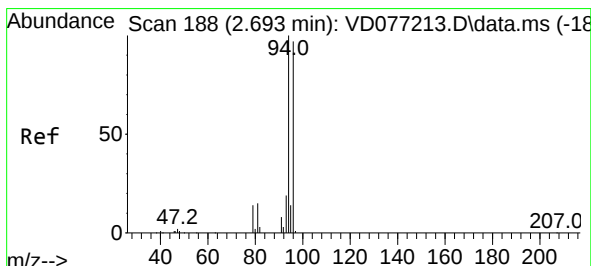
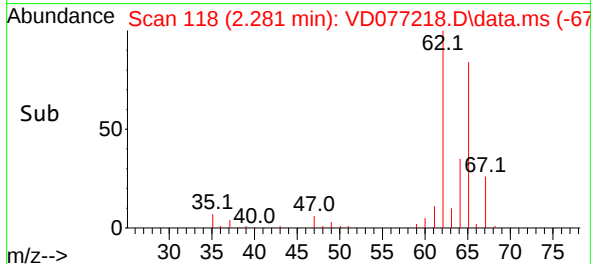
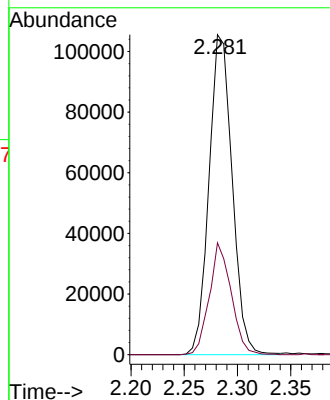
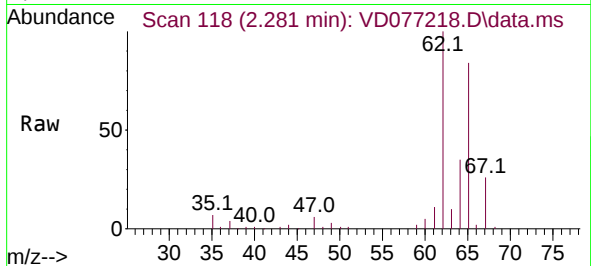




#5
 Vinyl chloride
 Concen: 22.606 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD077218.D
 Acq: 25 Sep 2023 15:51

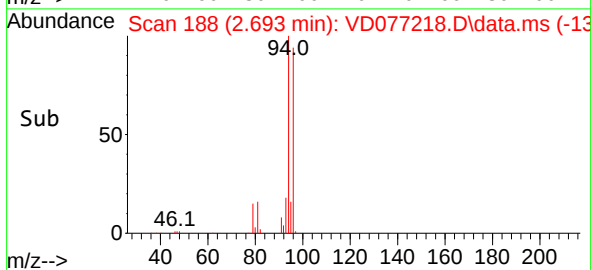
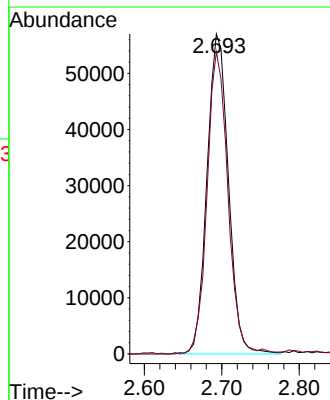
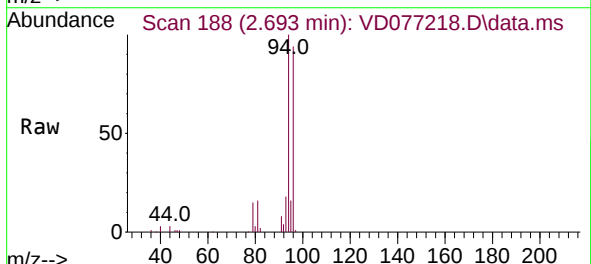
Instrument :
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 ClientSampleId :

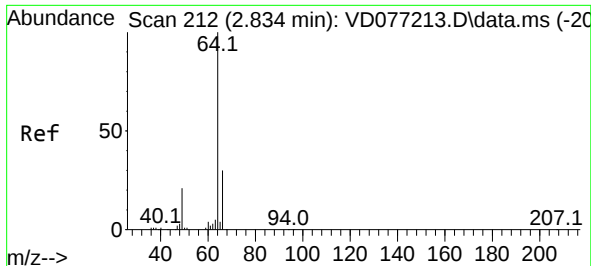
Tgt Ion: 62 Resp: 160018
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.0 42.8



#6
 Bromomethane
 Concen: 25.243 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD077218.D
 Acq: 25 Sep 2023 15:51

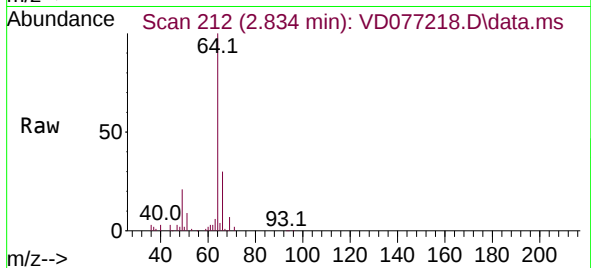
Tgt Ion: 94 Resp: 109321
 Ion Ratio Lower Upper
 94 100
 96 94.4 67.8 125.8



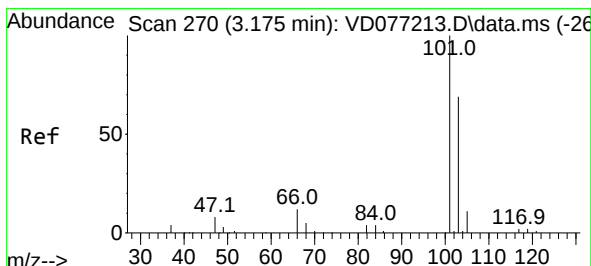
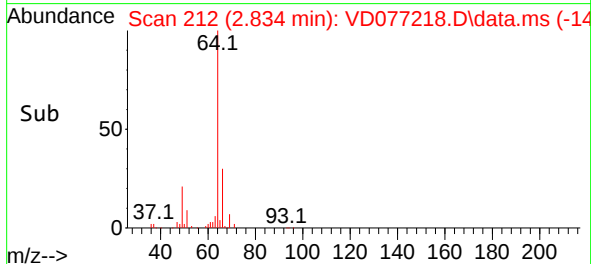
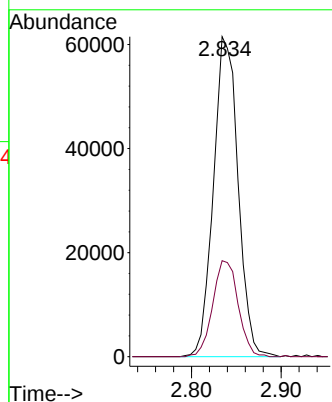


#8
Chloroethane
Concen: 33.771 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

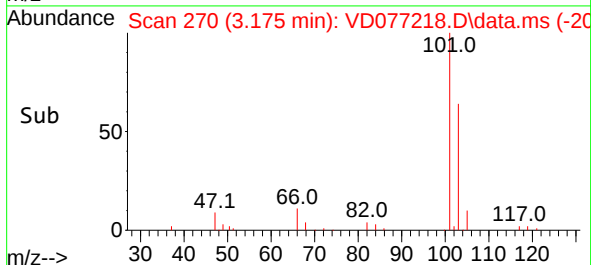
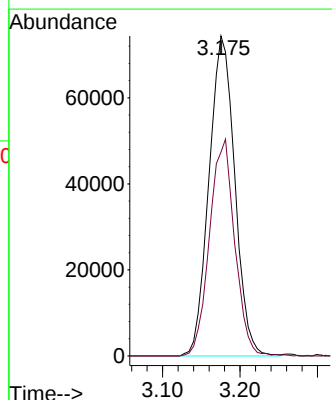
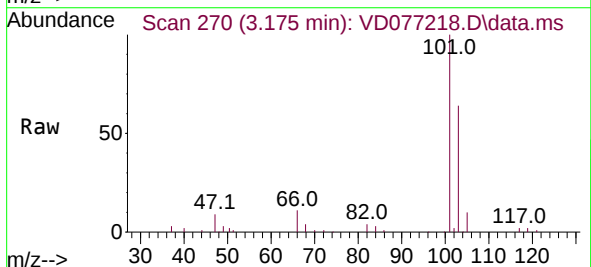


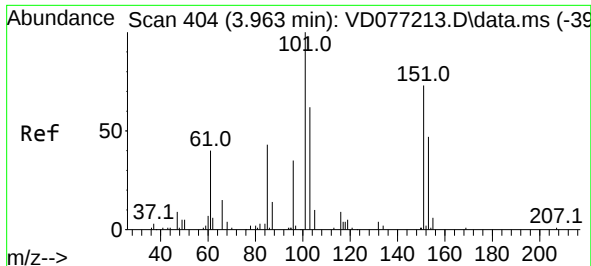
Tgt Ion: 64 Resp: 117232
Ion Ratio Lower Upper
64 100
66 30.0 20.8 38.6



#9
Trichlorofluoromethane
Concen: 23.559 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:101 Resp: 172423
Ion Ratio Lower Upper
101 100
103 66.0 52.9 79.3

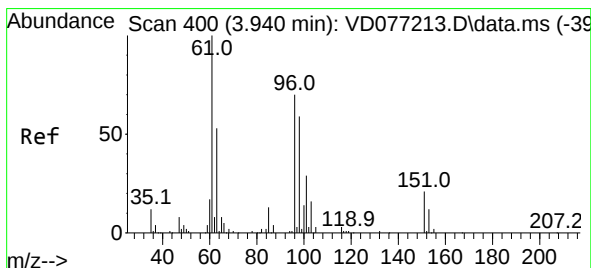
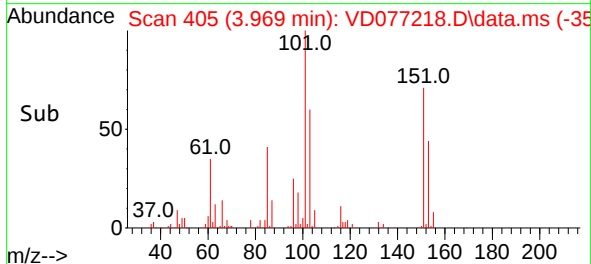
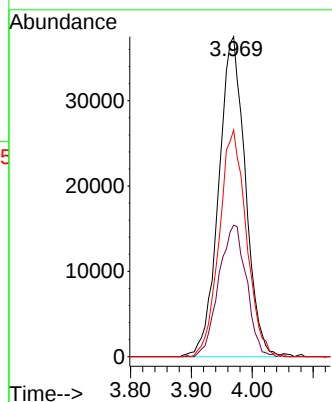
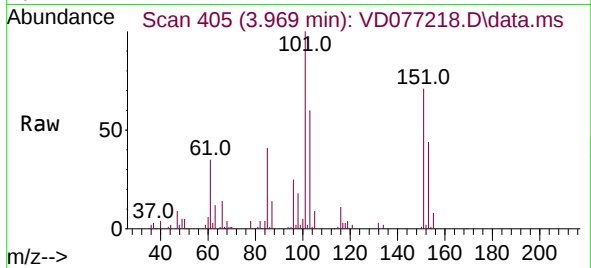




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.804 ug/L
RT: 3.969 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD077218.D
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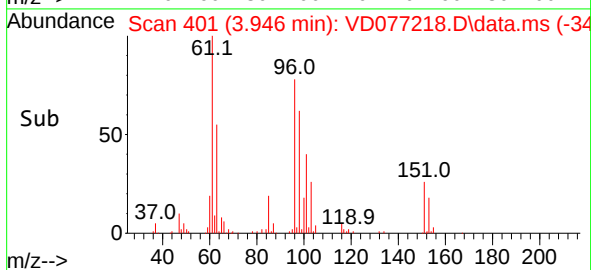
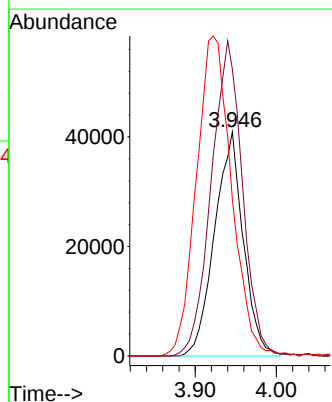
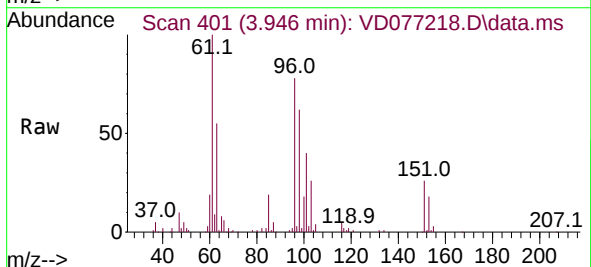
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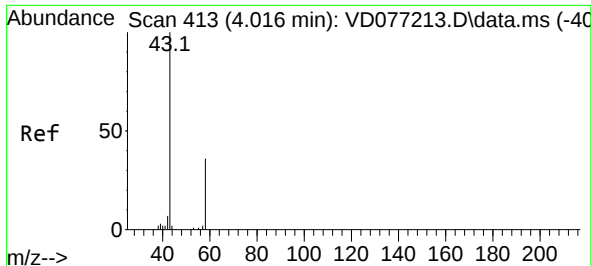
Tgt Ion:101 Resp: 114061
Ion Ratio Lower Upper
101 100
85 42.7 35.3 52.9
151 71.8 59.9 89.9



#12
1,1-Dichloroethene
Concen: 23.027 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 96 Resp: 100516
Ion Ratio Lower Upper
96 100
61 128.0 102.1 189.5
63 69.9 63.3 117.5





#13

Acetone

Concen: 43.459 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

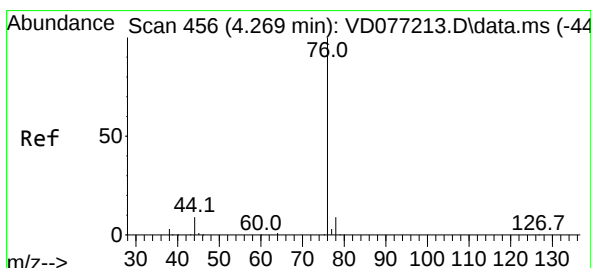
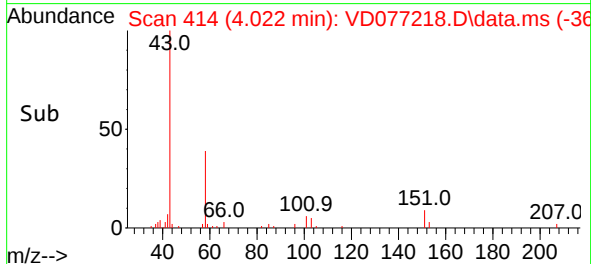
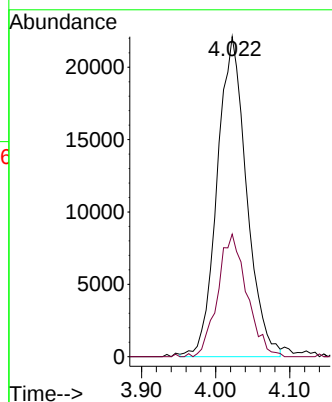
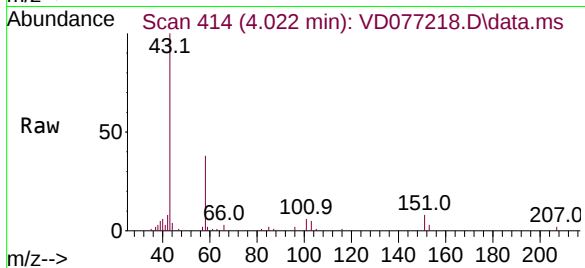
ClientSampleId :

Tgt Ion: 43 Resp: 60872

Ion Ratio Lower Upper

43 100

58 37.8 0.0 74.0



#14

Carbon disulfide

Concen: 23.897 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

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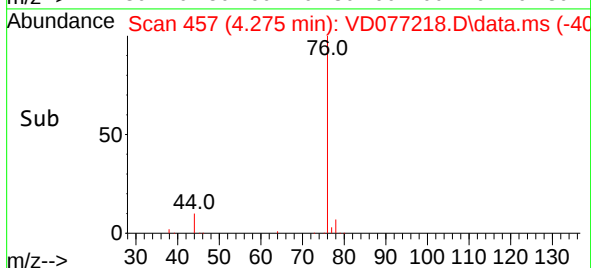
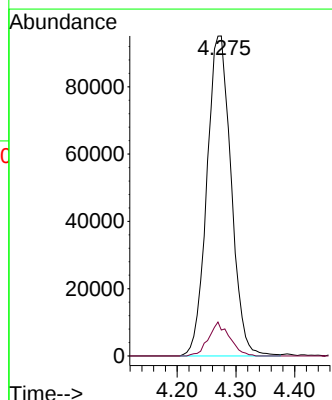
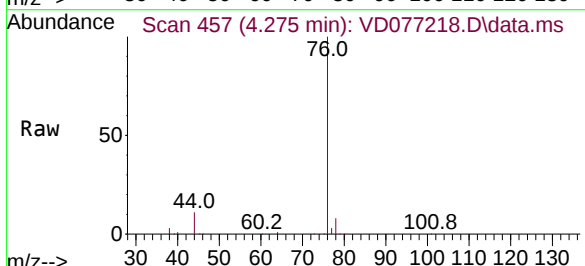
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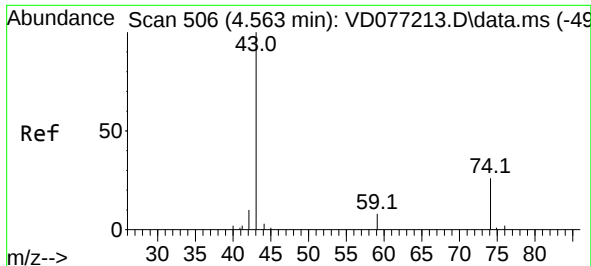
Tgt Ion: 76 Resp: 272023

Ion Ratio Lower Upper

76 100

78 8.1 7.5 11.3

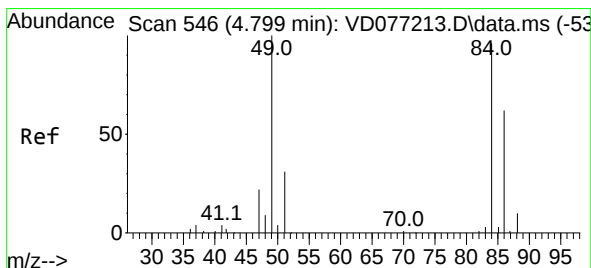
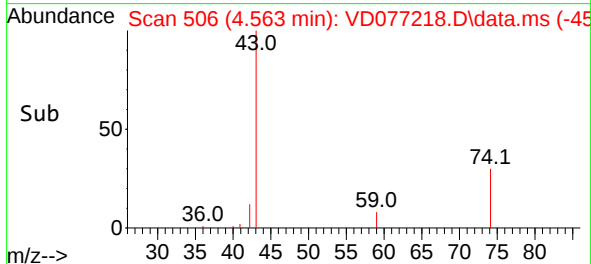
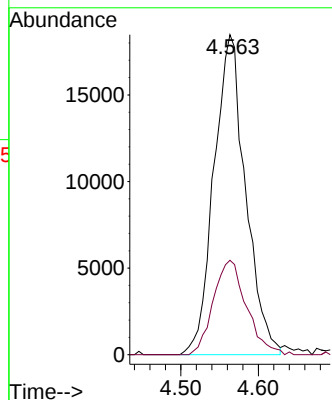
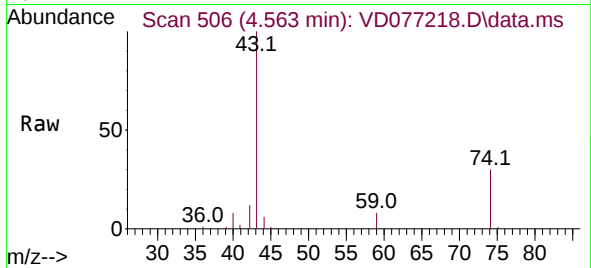




#15
Methyl Acetate
Concen: 21.936 ug/L
RT: 4.563 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

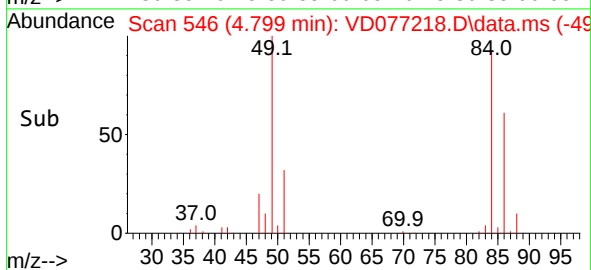
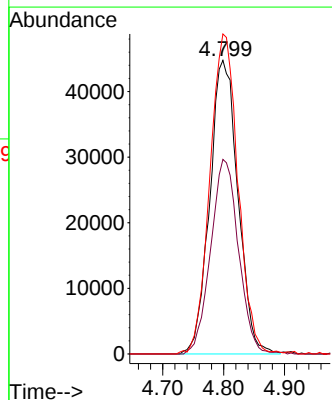
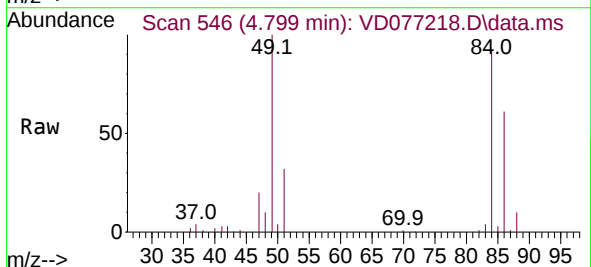
Instrument :
MSVOA_D
ClientSampleId :

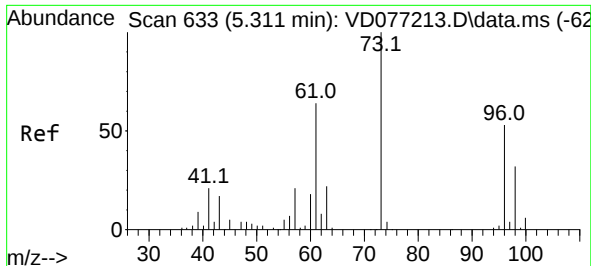
Tgt Ion: 43 Resp: 52471
Ion Ratio Lower Upper
43 100
74 30.8 22.5 33.7



#16
Methylene chloride
Concen: 20.530 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 84 Resp: 144020
Ion Ratio Lower Upper
84 100
86 66.3 45.2 84.0
49 109.0 73.4 136.4





#17

trans-1,2-Dichloroethene

Concen: 23.255 ug/L

RT: 5.305 min Scan# 61

Delta R.T. -0.006 min

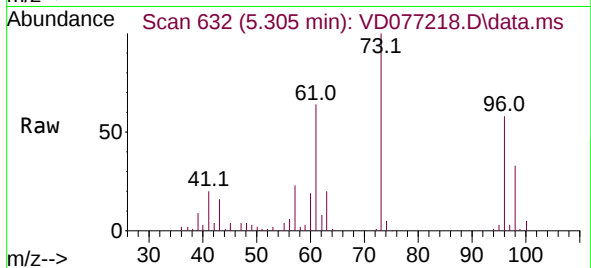
Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :



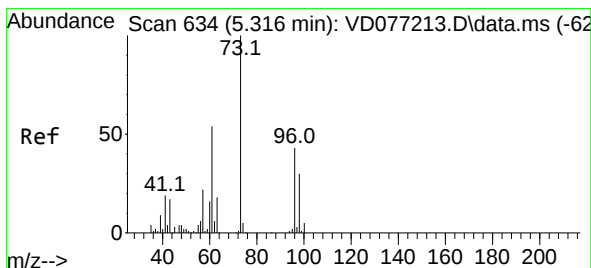
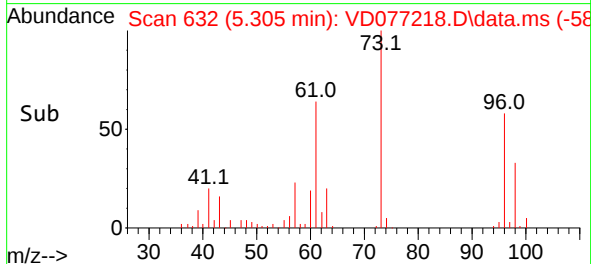
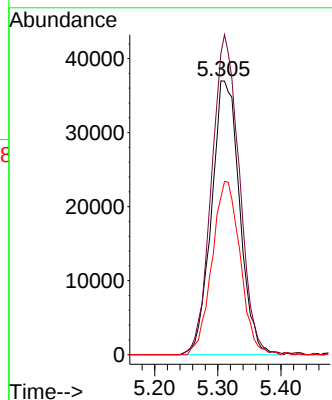
Tgt Ion: 96 Resp: 114259

Ion Ratio Lower Upper

96 100

61 109.9 84.1 156.3

98 57.3 42.0 78.0



#18

Methyl tert-butyl Ether

Concen: 22.852 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

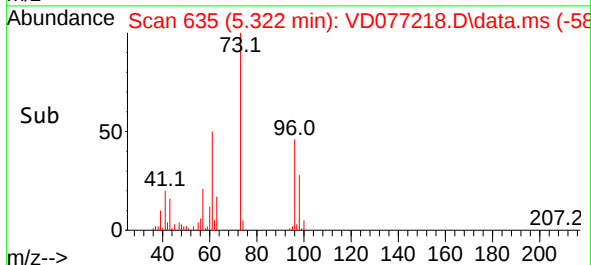
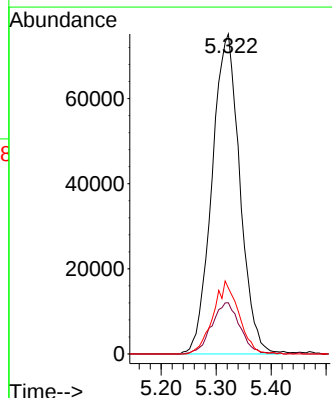
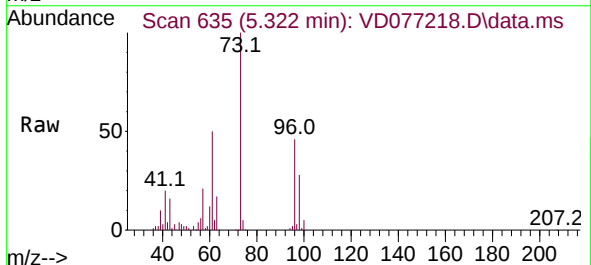
Tgt Ion: 73 Resp: 264661

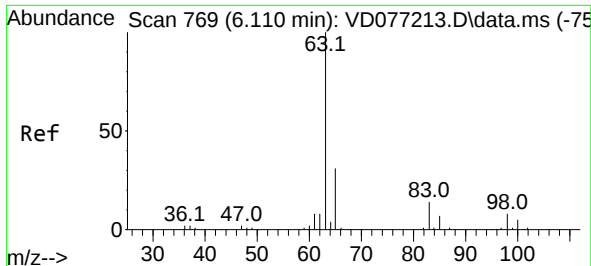
Ion Ratio Lower Upper

73 100

43 16.1 12.7 19.1

57 21.0 17.2 25.8





#19

1,1-Dichloroethane

Concen: 22.988 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

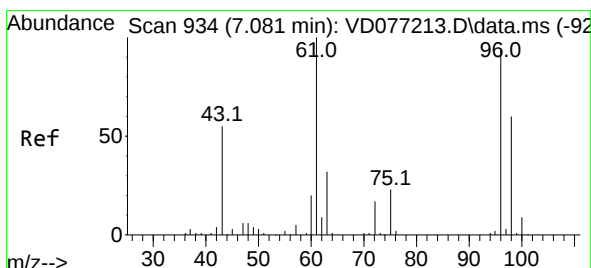
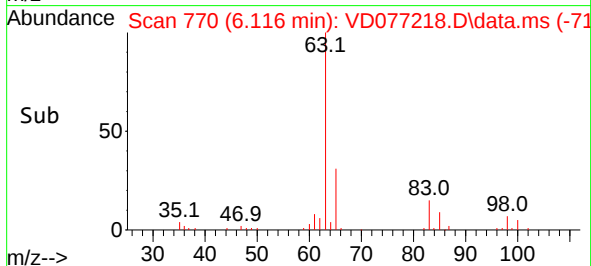
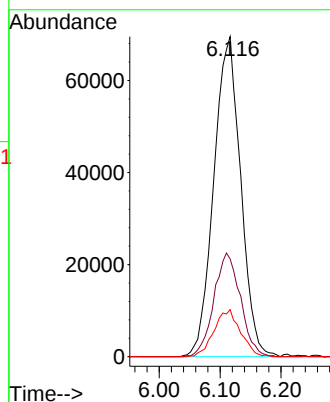
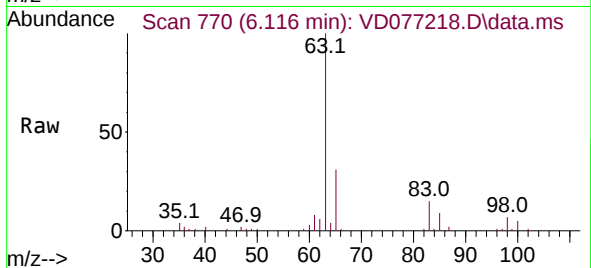
Tgt Ion: 63 Resp: 212875

Ion Ratio Lower Upper

63 100

65 30.6 21.9 40.7

83 14.7 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 22.631 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

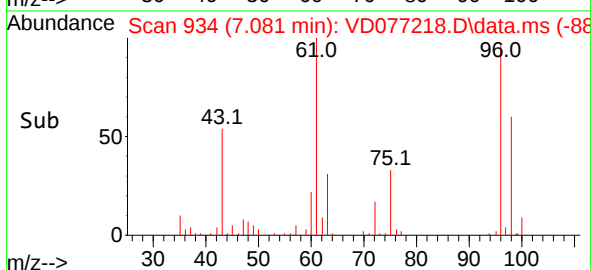
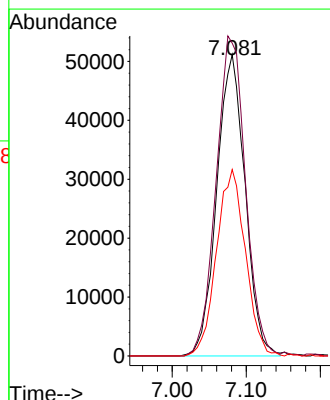
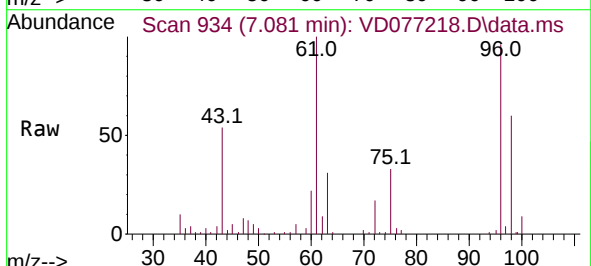
Tgt Ion: 96 Resp: 135758

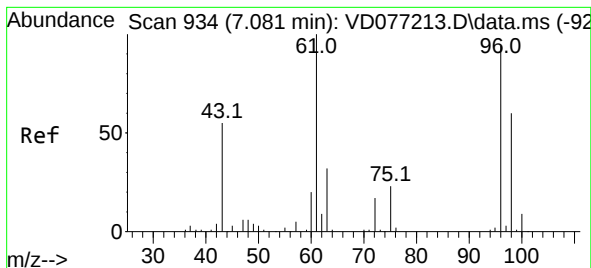
Ion Ratio Lower Upper

96 100

61 103.9 74.8 139.0

98 61.9 45.1 83.7





#22

2-Butanone

Concen: 44.091 ug/L

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

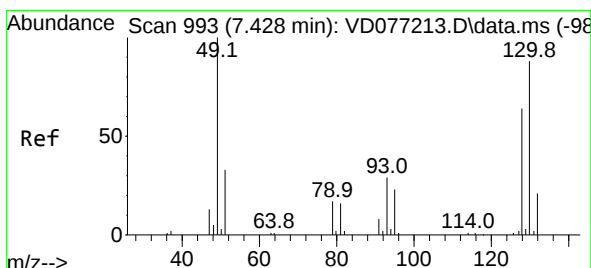
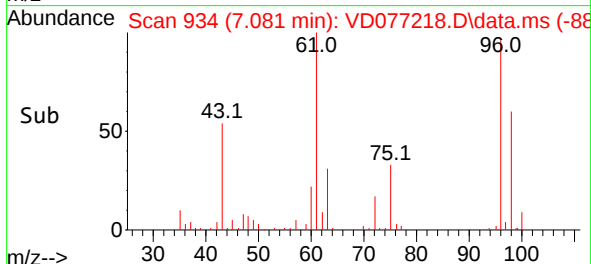
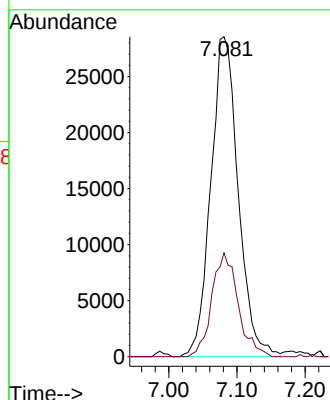
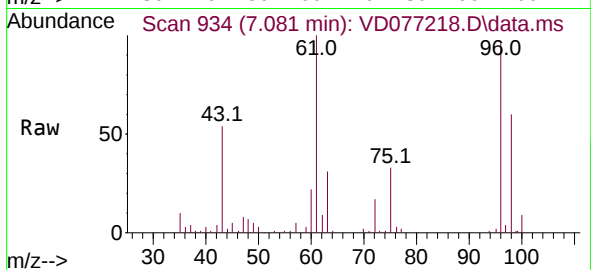
ClientSampleId :

Tgt Ion: 43 Resp: 79887

Ion Ratio Lower Upper

43 100

72 29.3 15.4 46.4



#23

Bromochloromethane

Concen: 22.817 ug/L

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Tgt Ion: 128 Resp: 64809

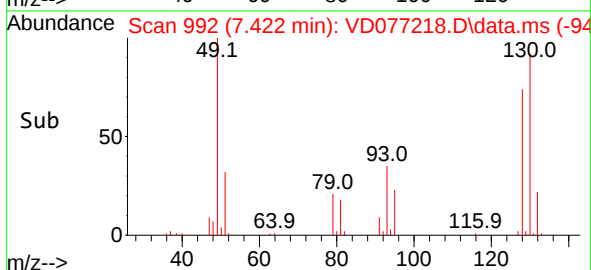
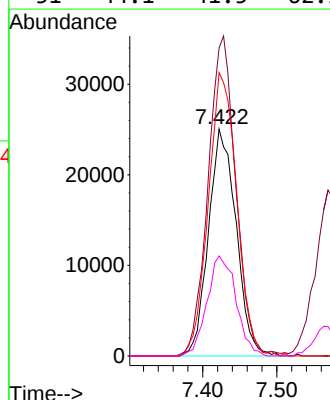
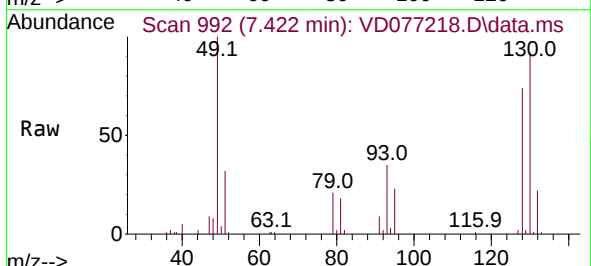
Ion Ratio Lower Upper

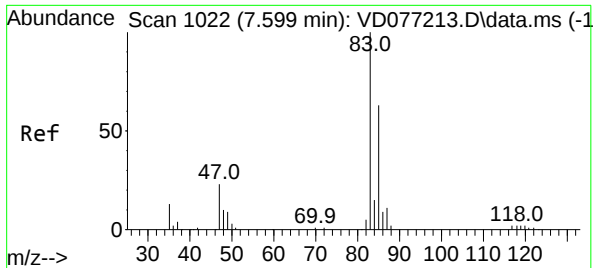
128 100

49 135.7 109.4 203.2

130 124.9 97.1 180.3

51 44.1 41.5 62.3

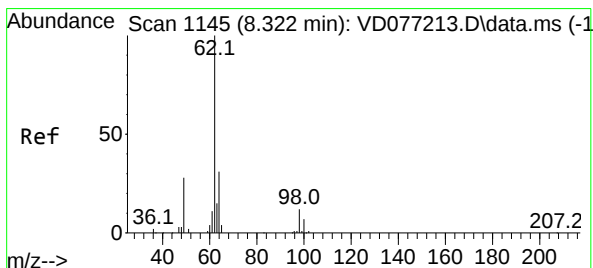
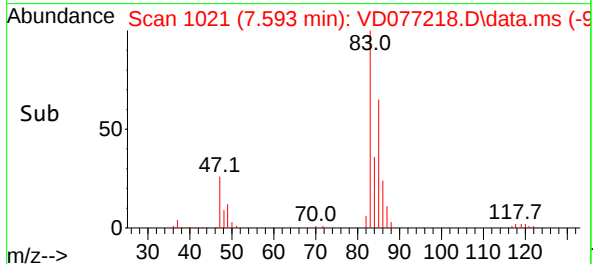
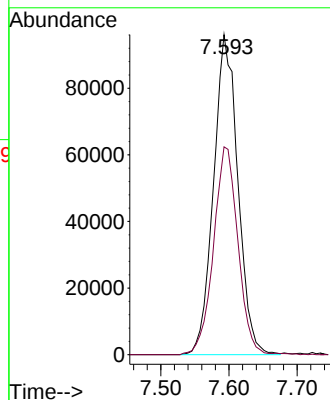
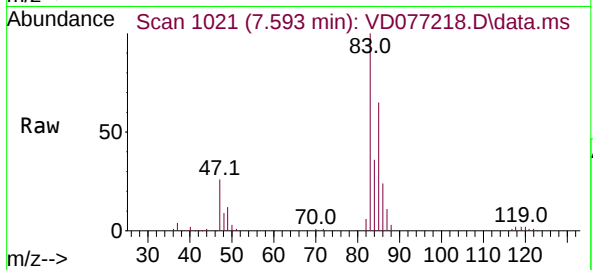




#25
Chloroform
Concen: 23.278 ug/L
RT: 7.593 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

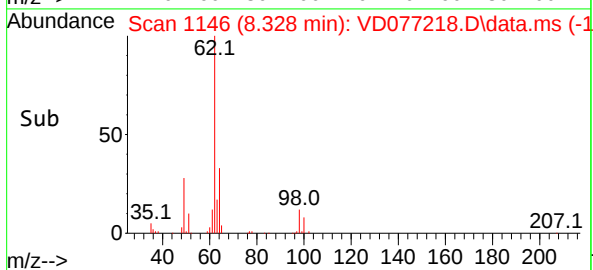
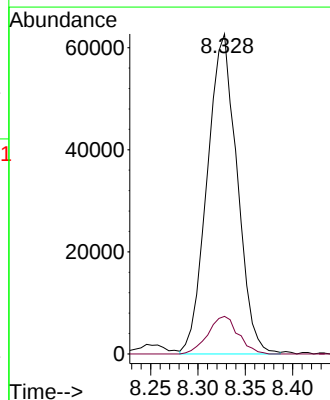
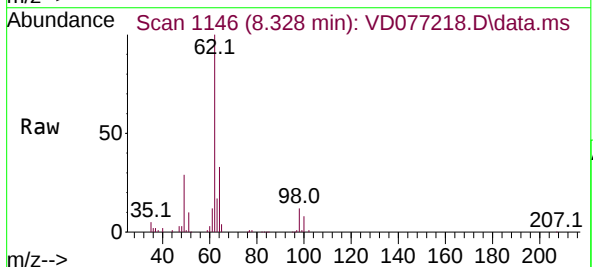
Instrument :
MSVOA_D
ClientSampleId :

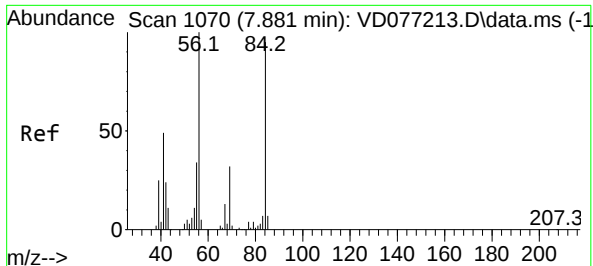
Tgt Ion: 83 Resp: 238535
Ion Ratio Lower Upper
83 100
85 65.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 22.721 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 62 Resp: 137745
Ion Ratio Lower Upper
62 100
98 11.7 9.4 14.0





#29

Cyclohexane

Concen: 23.567 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

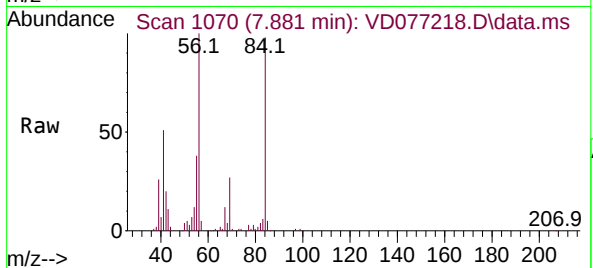
Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :



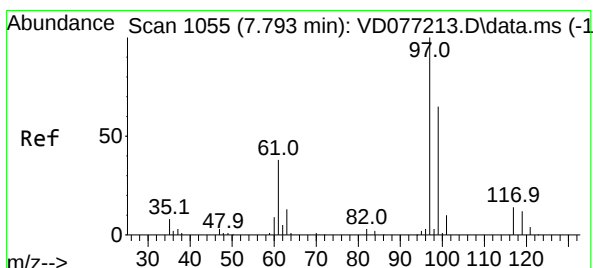
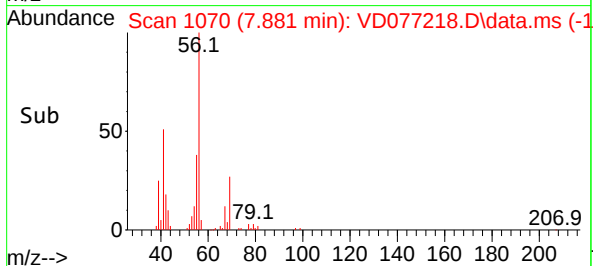
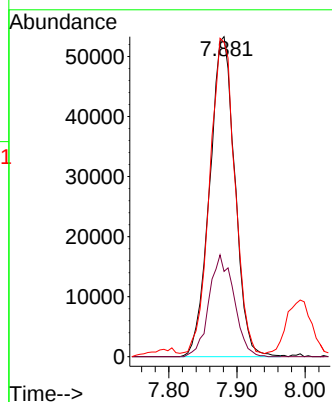
Tgt Ion: 56 Resp: 137056

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.0

84 99.8 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 22.833 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

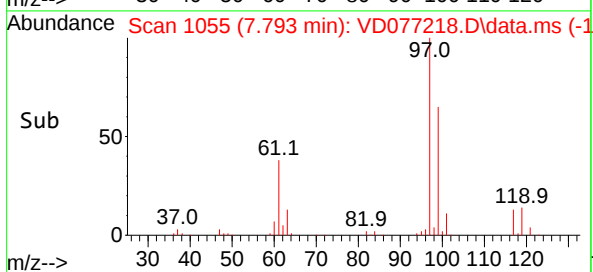
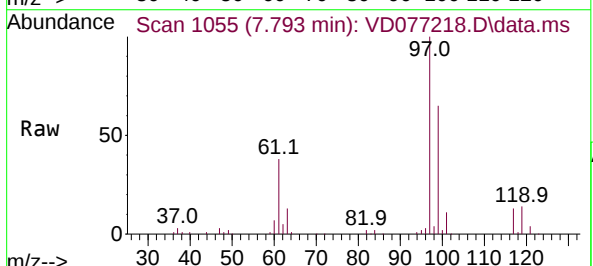
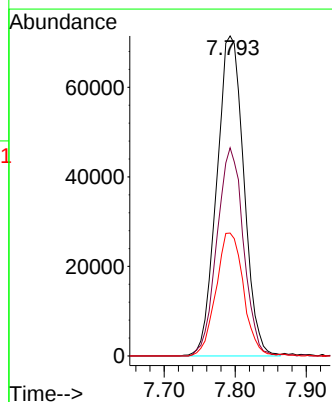
Tgt Ion: 97 Resp: 189090

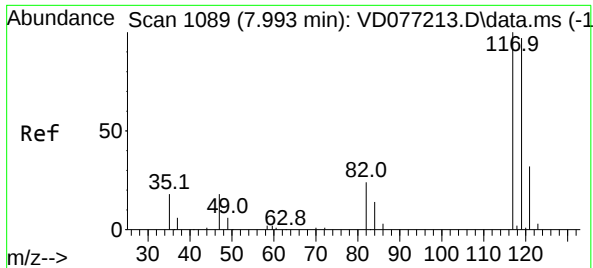
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

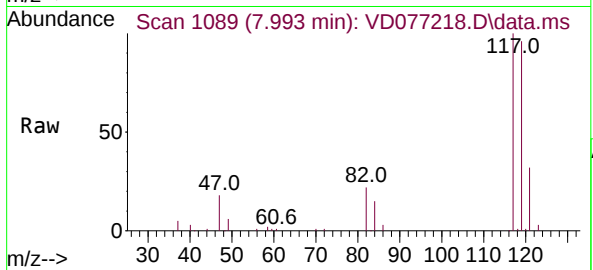
61 38.9 31.6 47.4



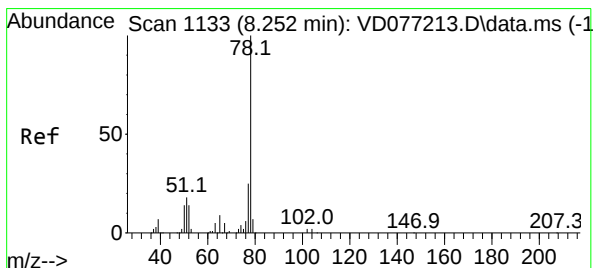
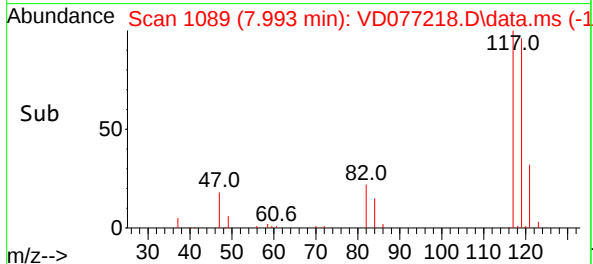
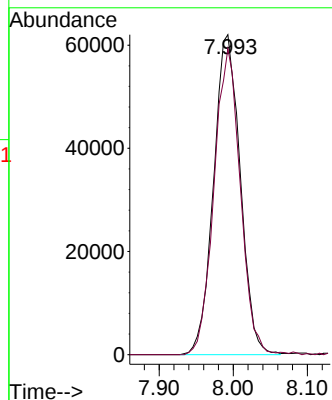


#31
Carbon tetrachloride
Concen: 23.160 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

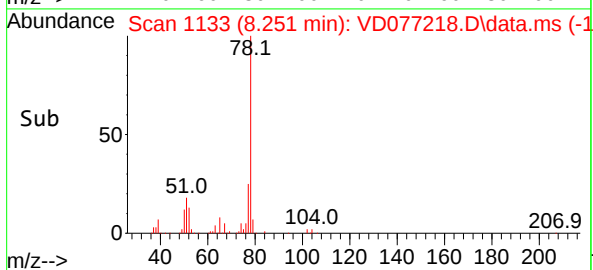
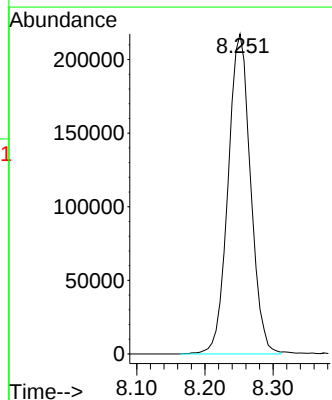
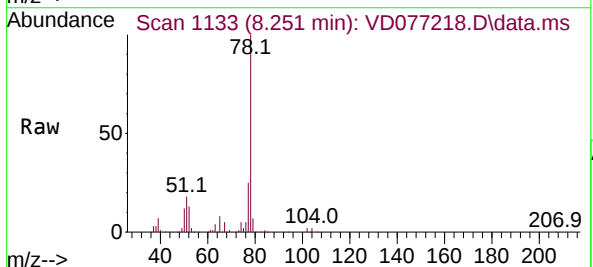


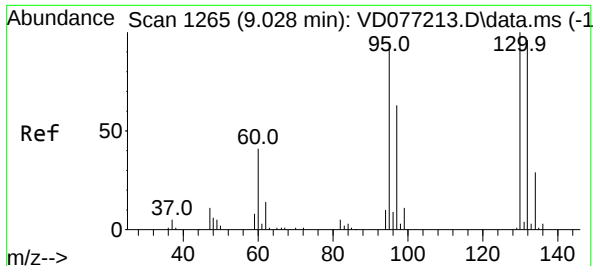
Tgt Ion:117 Resp: 155015
Ion Ratio Lower Upper
117 100
119 94.0 75.4 113.0



#33
Benzene
Concen: 23.604 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

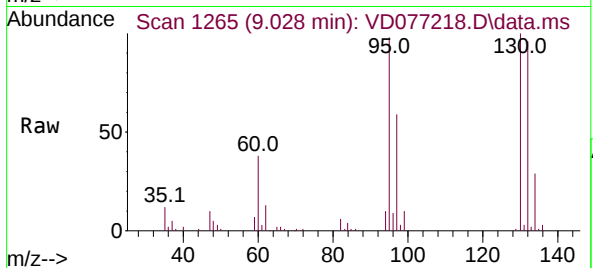
Tgt Ion: 78 Resp: 498193





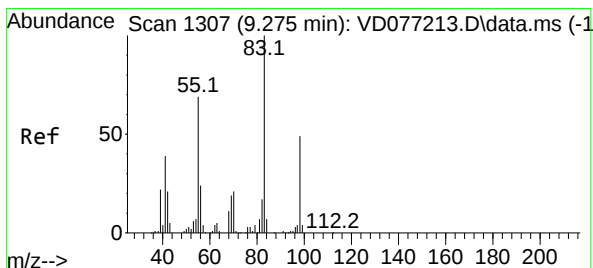
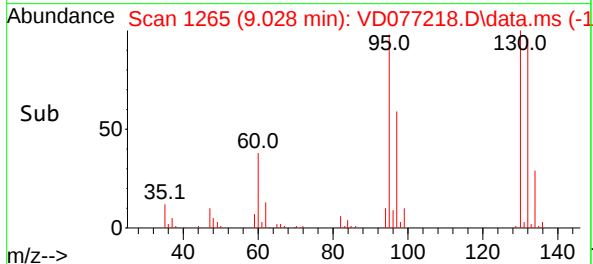
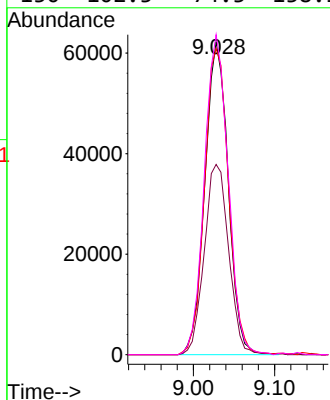
#34
Trichloroethene
Concen: 23.252 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 123841

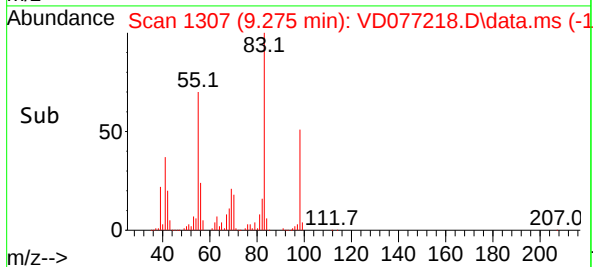
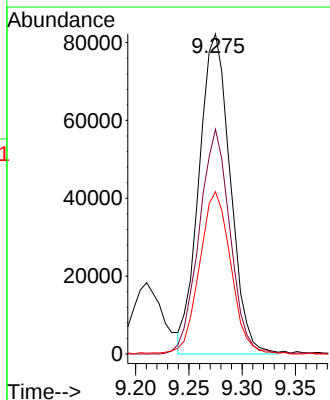
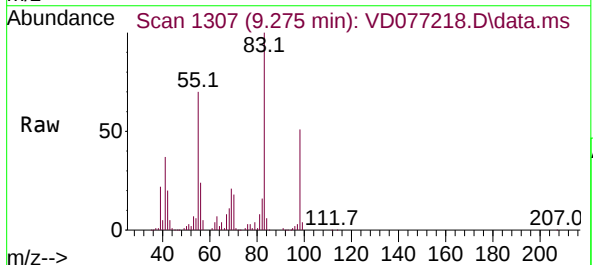
Ion	Ratio	Lower	Upper
95	100		
97	60.8	46.5	86.5
132	97.9	71.8	133.4
130	102.3	74.3	138.1

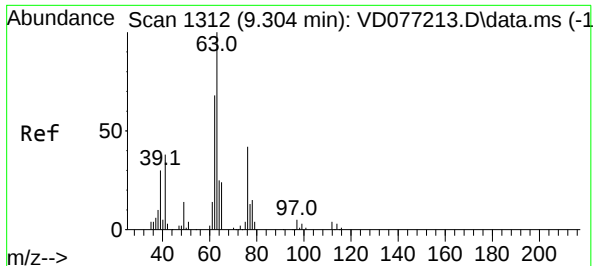


#35
Methylcyclohexane
Concen: 22.672 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 83 Resp: 168167

Ion	Ratio	Lower	Upper
83	100		
55	69.3	53.0	79.4
98	50.8	39.4	59.0





#37

1,2-Dichloropropane

Concen: 23.299 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

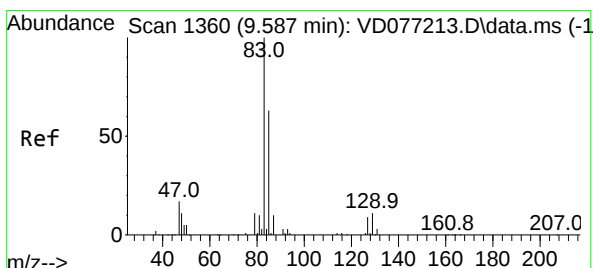
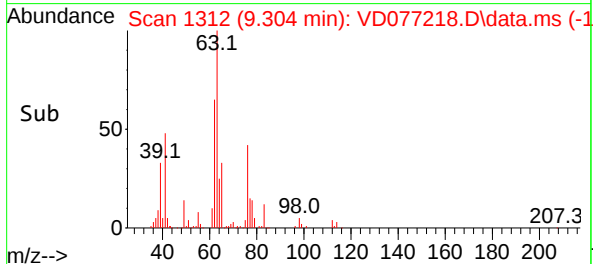
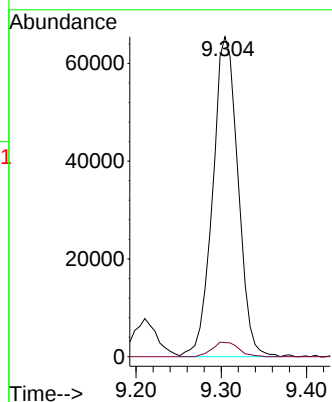
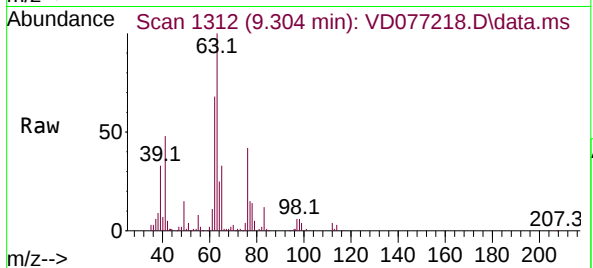
ClientSampleId :

Tgt Ion: 63 Resp: 134916

Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.2



#38

Bromodichloromethane

Concen: 23.197 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

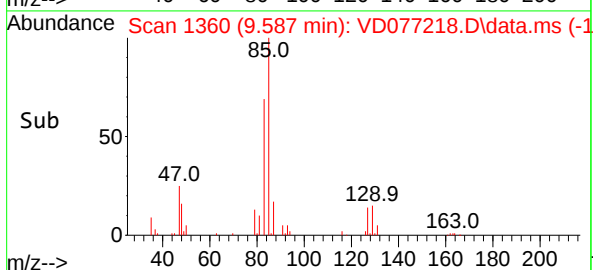
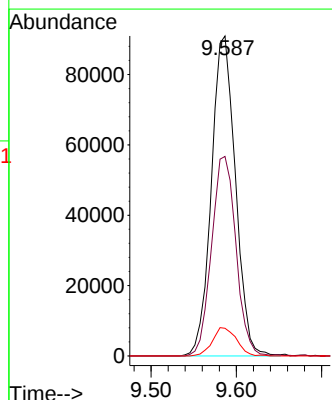
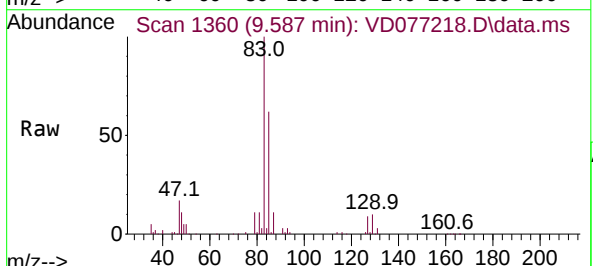
Tgt Ion: 83 Resp: 178510

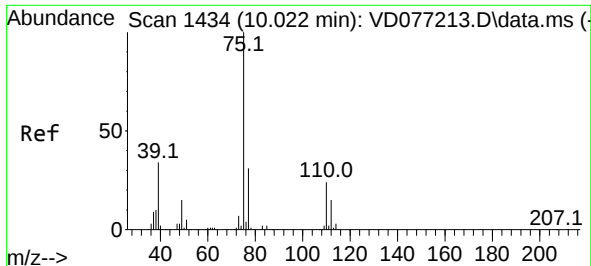
Ion Ratio Lower Upper

83 100

85 62.4 44.2 82.2

127 8.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 23.002 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

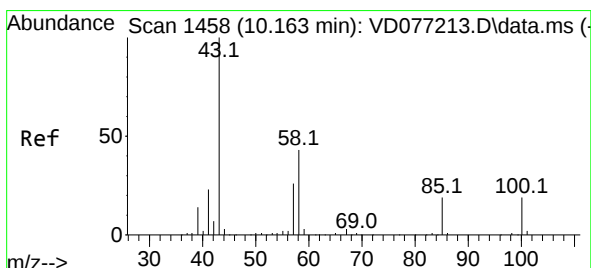
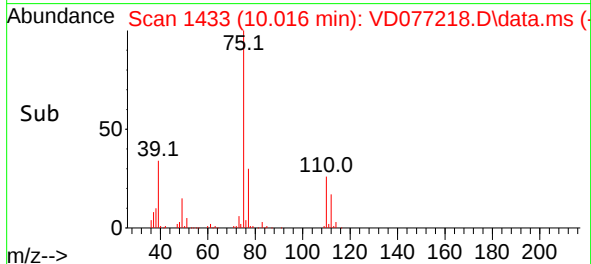
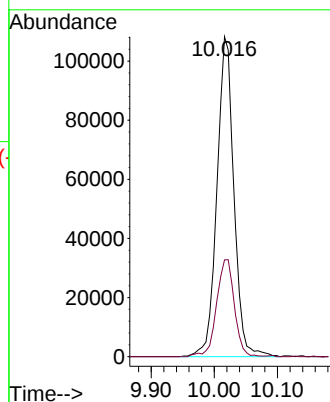
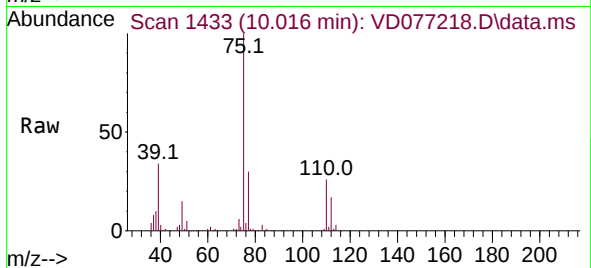
ClientSampleId :

Tgt Ion: 75 Resp: 202348

Ion Ratio Lower Upper

75 100

77 30.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 47.004 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

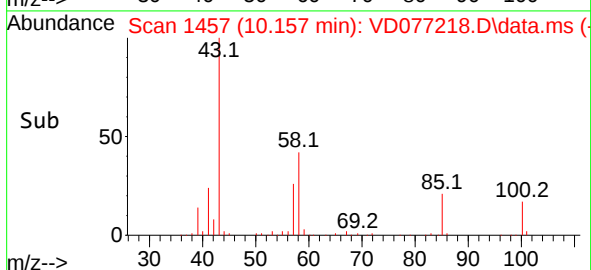
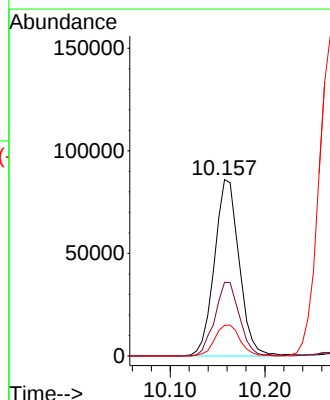
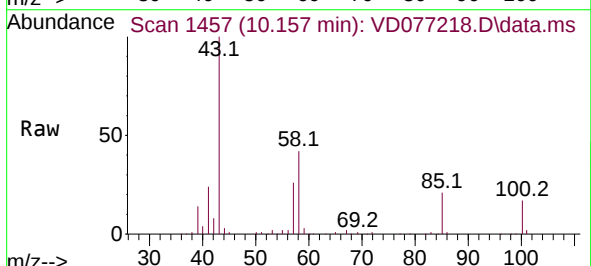
Tgt Ion: 43 Resp: 155958

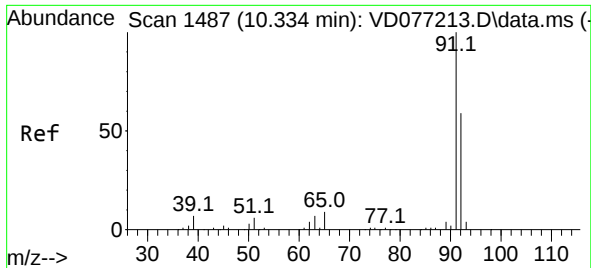
Ion Ratio Lower Upper

43 100

58 41.3 33.9 50.9

100 17.9 14.9 22.3

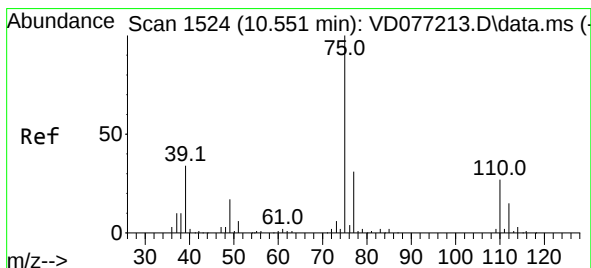
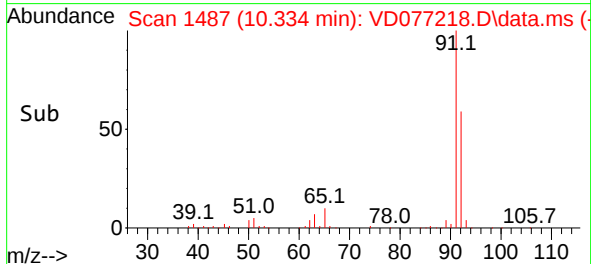
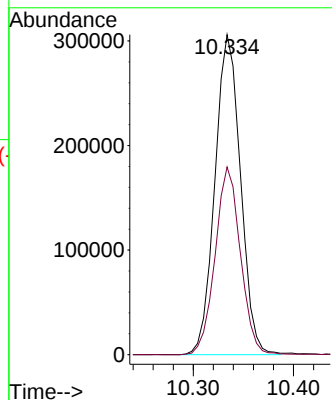
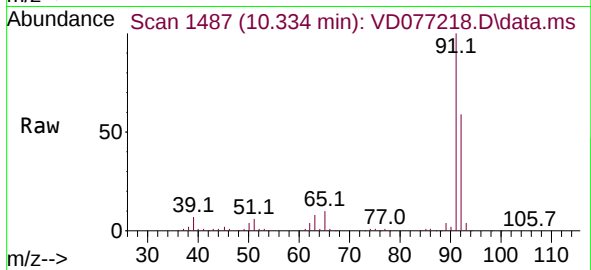




#42
Toluene
Concen: 23.817 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

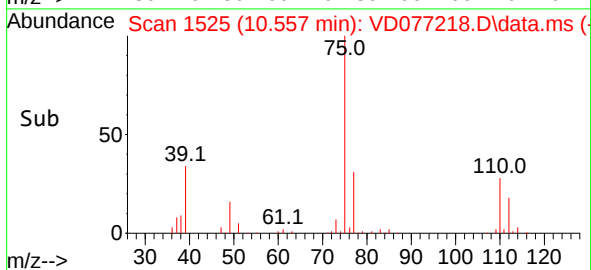
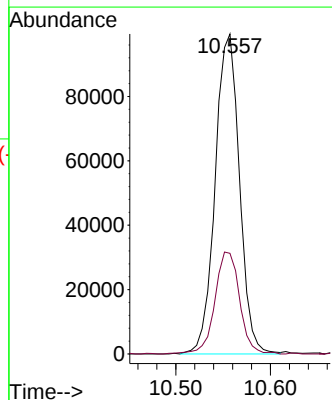
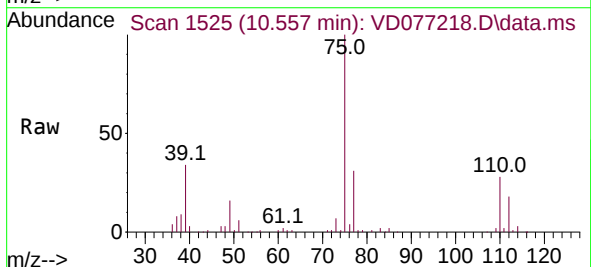
Instrument :
MSVOA_D
ClientSampleId :

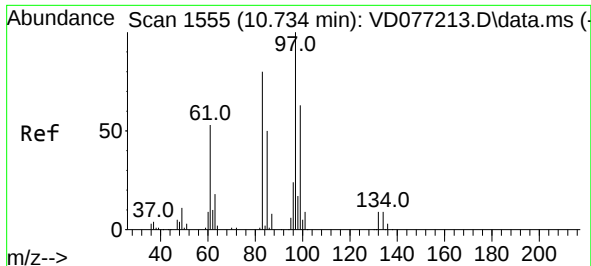
Tgt Ion: 91 Resp: 542327
Ion Ratio Lower Upper
91 100
92 58.6 41.6 77.3



#44
trans-1,3-Dichloropropene
Concen: 23.323 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 75 Resp: 177355
Ion Ratio Lower Upper
75 100
77 31.4 22.1 41.1

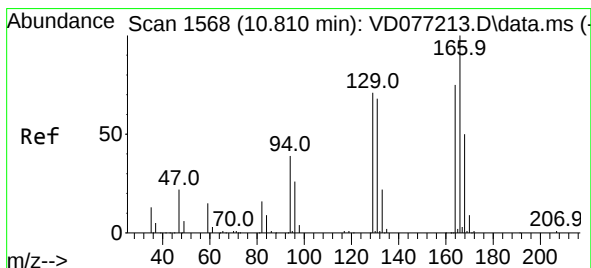
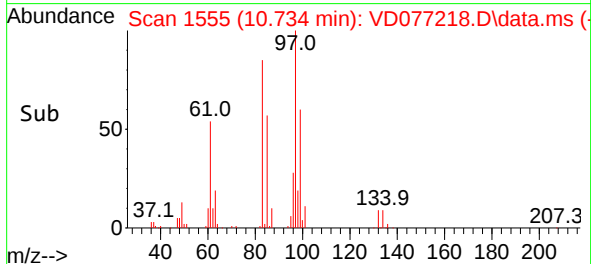
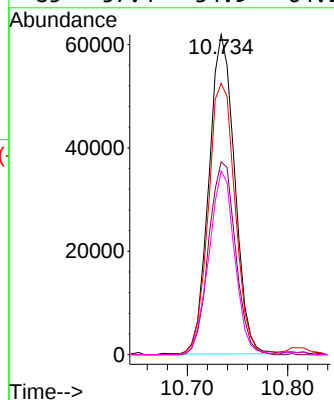
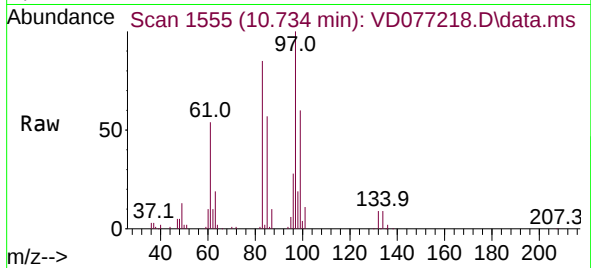




#45
1,1,2-Trichloroethane
Concen: 22.334 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

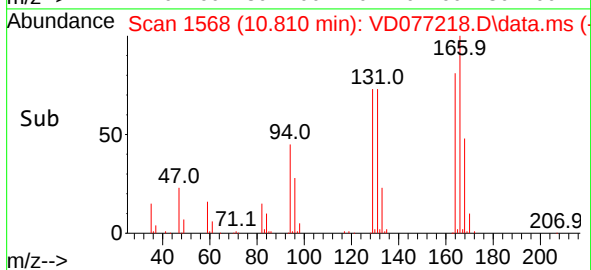
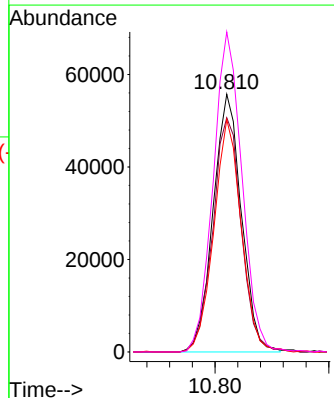
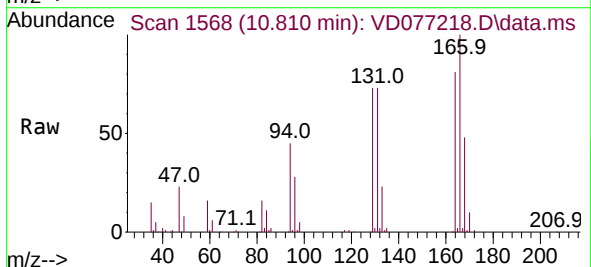
Instrument :
MSVOA_D
ClientSampleId :

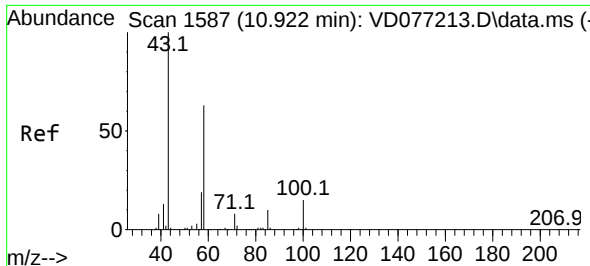
Tgt Ion:	97	Resp:	110130
Ion	Ratio	Lower	Upper
97	100		
99	60.3	44.2	82.0
83	84.8	56.4	104.7
85	57.4	34.9	64.9



#46
Tetrachloroethene
Concen: 23.036 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

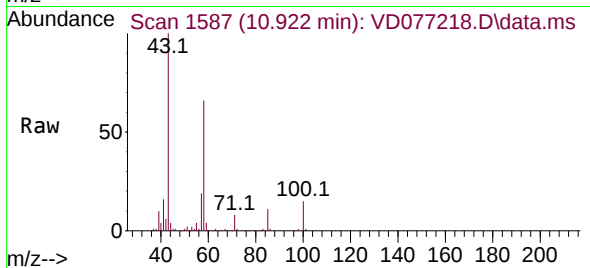
Tgt Ion:	164	Resp:	96238
Ion	Ratio	Lower	Upper
164	100		
129	90.8	66.1	122.8
131	90.1	63.5	117.9
166	124.1	93.4	173.4



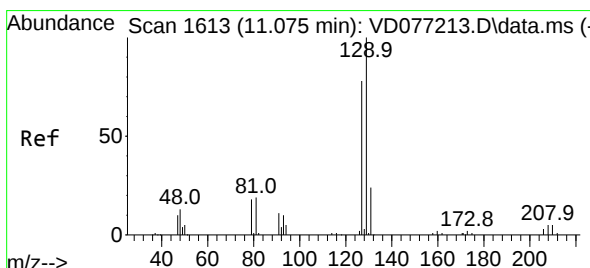
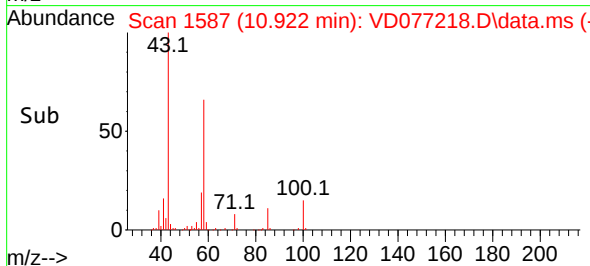
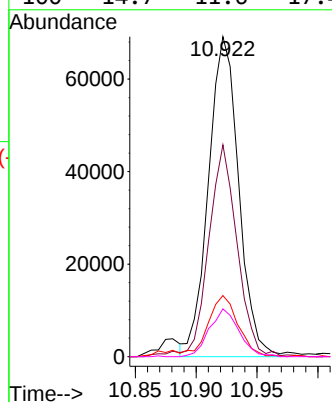


#48
2-Hexanone
Concen: 46.935 ug/L
RT: 10.922 min Scan# 119427
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

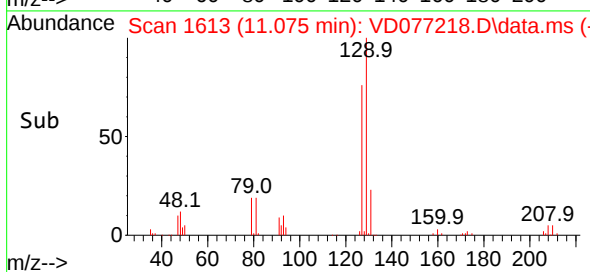
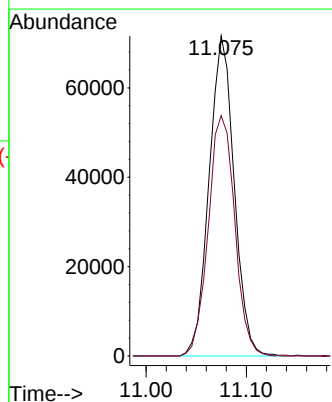
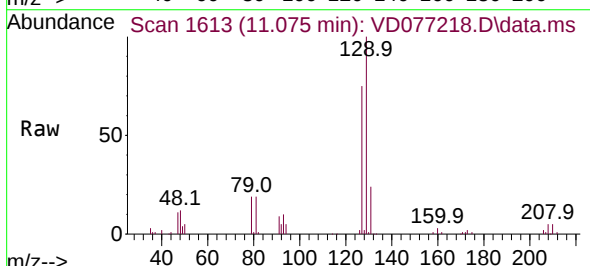


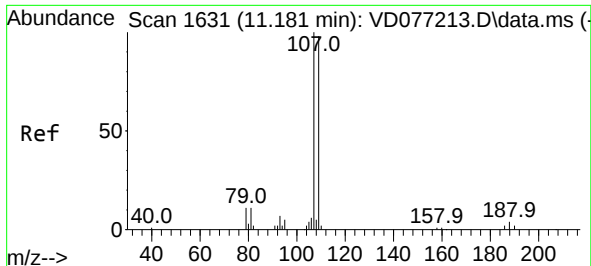
Tgt Ion:	43	Resp:	119427
Ion	Ratio	Lower	Upper
43	100		
58	61.0	47.8	71.8
57	18.8	15.6	23.4
100	14.7	11.6	17.4



#49
Dibromochloromethane
Concen: 22.692 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:	129	Resp:	124547
Ion	Ratio	Lower	Upper
129	100		
127	75.1	54.5	101.1

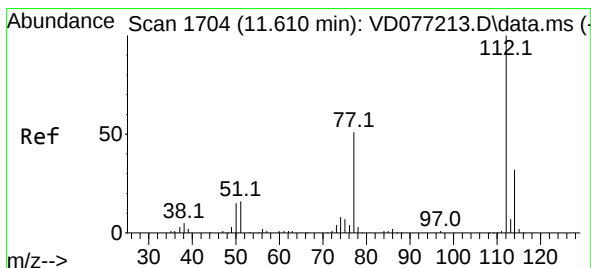
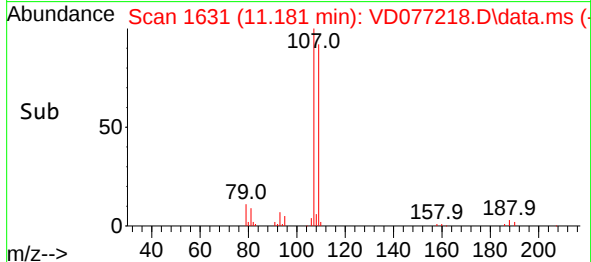
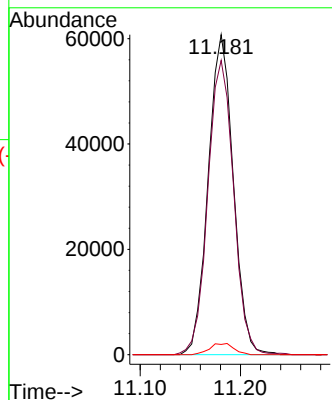
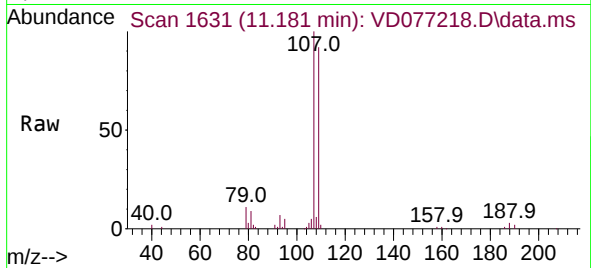




#50
1,2-Dibromoethane
Concen: 22.867 ug/L
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

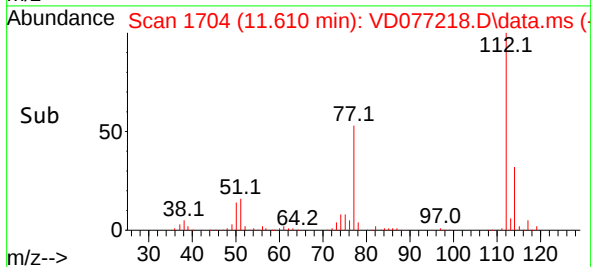
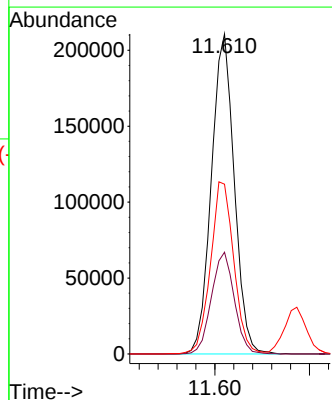
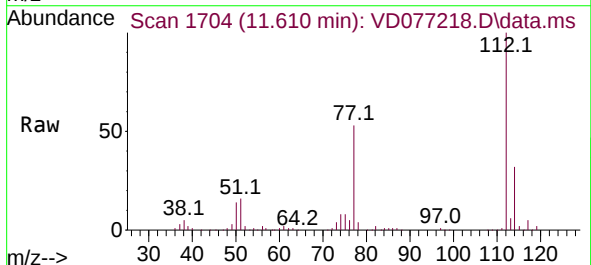
Instrument :
MSVOA_D
ClientSampleId :

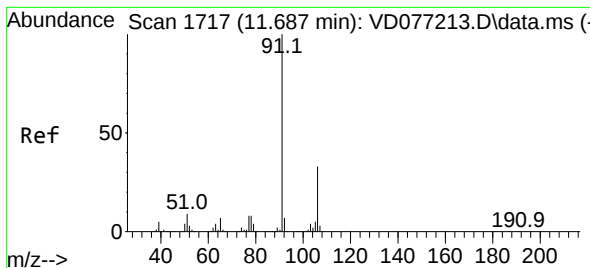
Tgt Ion:107 Resp: 105527
Ion Ratio Lower Upper
107 100
109 91.9 68.8 127.8
188 3.2 3.0 4.6



#51
Chlorobenzene
Concen: 22.890 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:112 Resp: 354024
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.1
77 53.0 40.8 61.2





#52

Ethylbenzene

Concen: 23.295 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

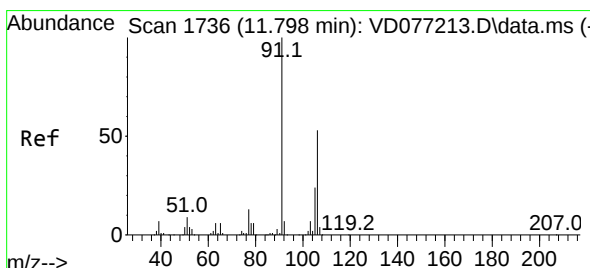
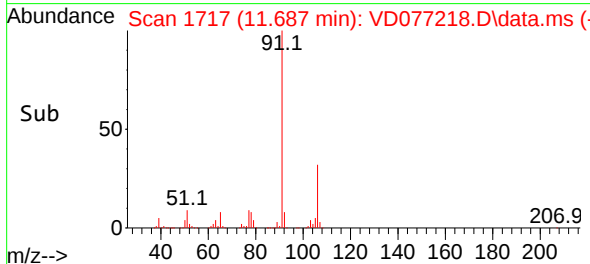
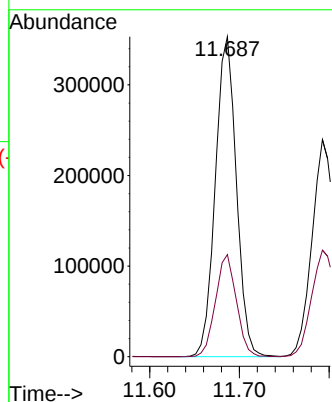
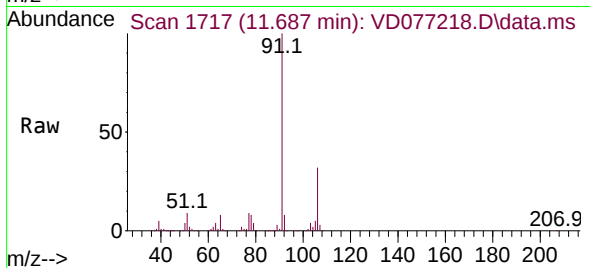
ClientSampleId :

Tgt Ion: 91 Resp: 575065

Ion Ratio Lower Upper

91 100

106 31.9 23.2 43.0



#53

m,p-Xylene

Concen: 23.660 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VD077218.D

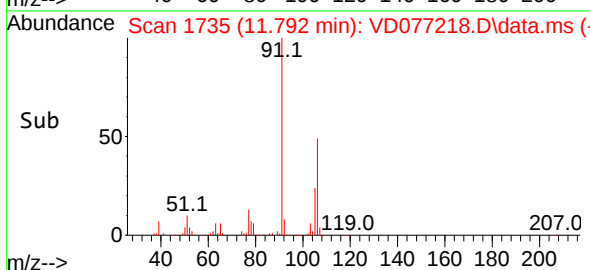
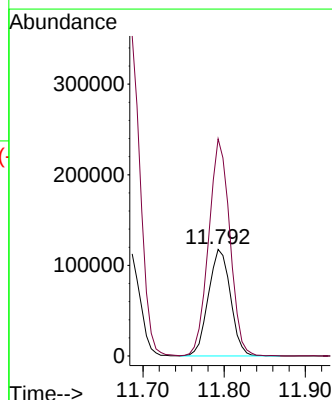
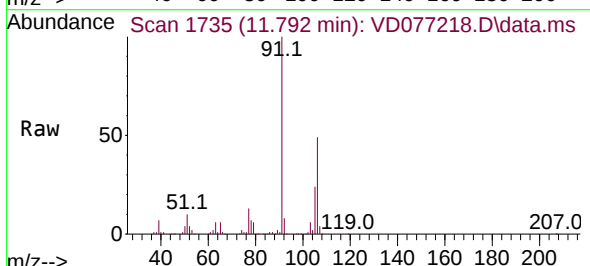
Acq: 25 Sep 2023 15:51

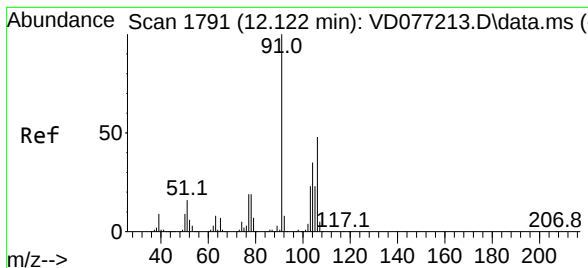
Tgt Ion:106 Resp: 222758

Ion Ratio Lower Upper

106 100

91 203.7 132.8 246.6

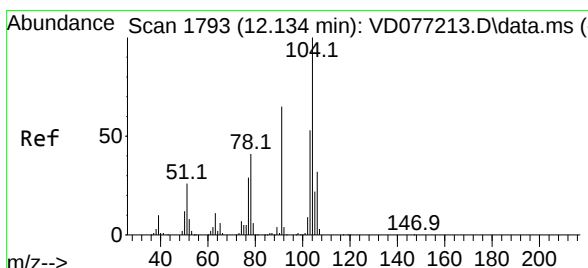
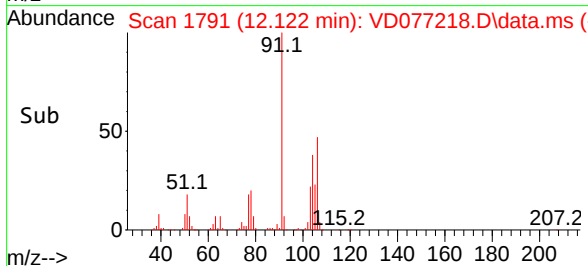
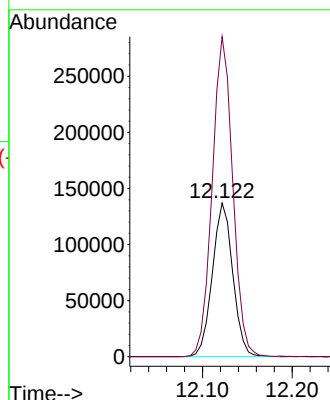
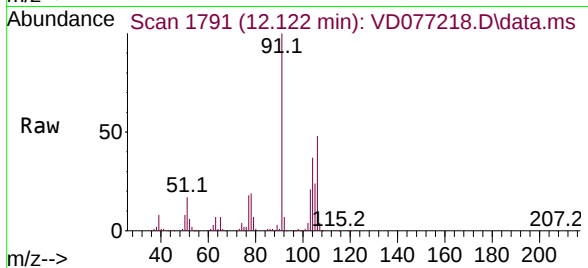




#54
o-Xylene
Concen: 23.588 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

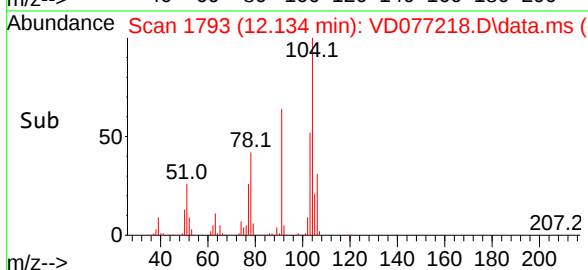
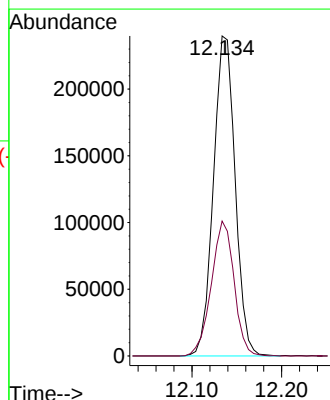
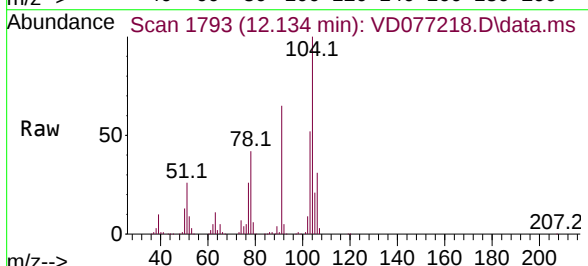
Instrument :
MSVOA_D
ClientSampleId :

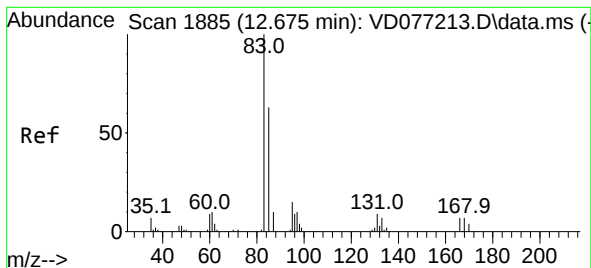
Tgt Ion:106 Resp: 216549
Ion Ratio Lower Upper
106 100
91 208.2 146.7 272.5



#55
Styrene
Concen: 24.162 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:104 Resp: 403295
Ion Ratio Lower Upper
104 100
78 42.2 29.0 53.8

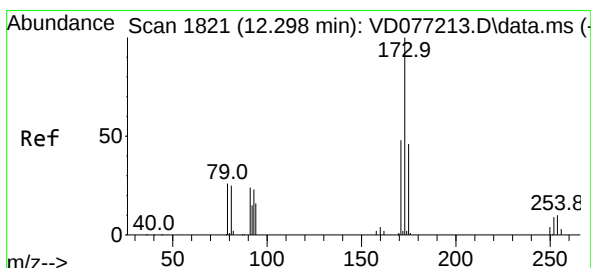
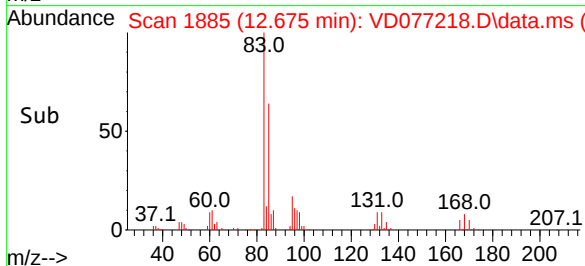
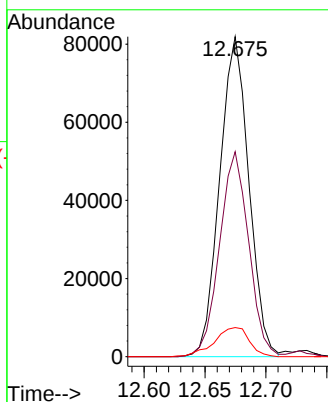
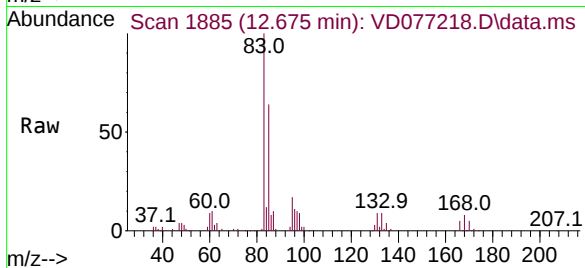




#57
1,1,2,2-Tetrachloroethane
Concen: 23.189 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

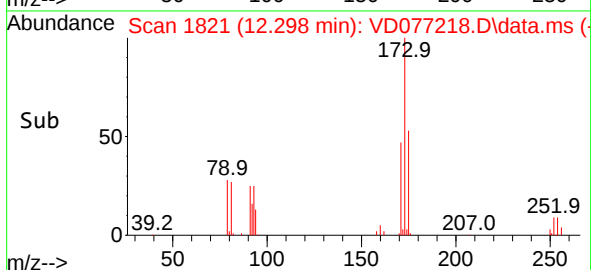
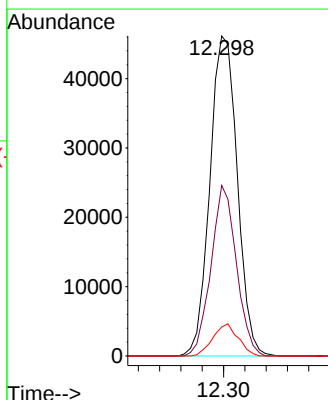
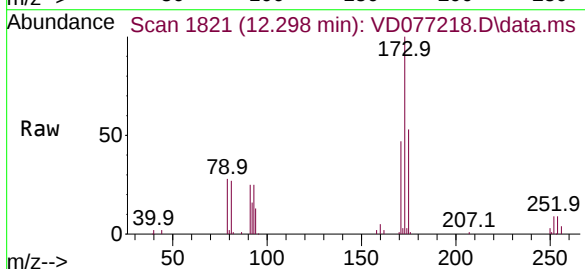
Instrument :
MSVOA_D
ClientSampleId :

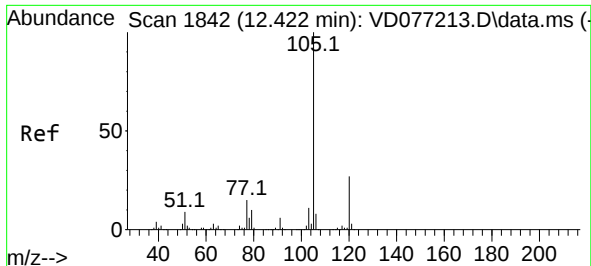
Tgt Ion: 83 Resp: 136701
Ion Ratio Lower Upper
83 100
85 64.0 44.0 81.8
131 9.1 7.7 11.5



#59
Bromoform
Concen: 23.452 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 173 Resp: 82400
Ion Ratio Lower Upper
173 100
175 49.3 39.5 59.3
254 9.2 7.1 10.7

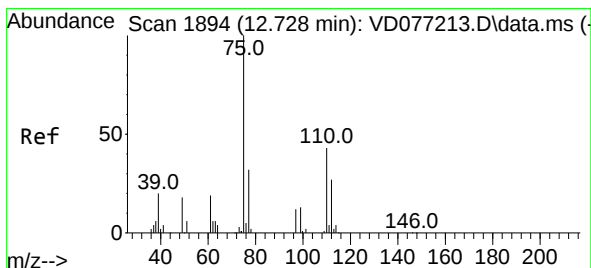
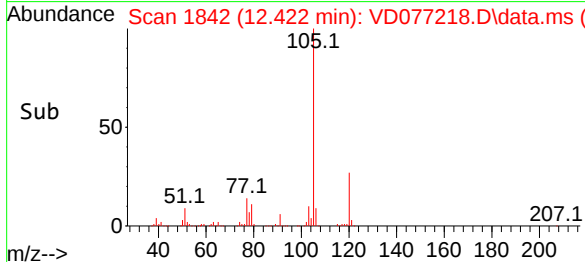
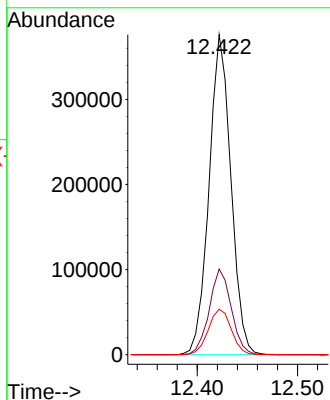
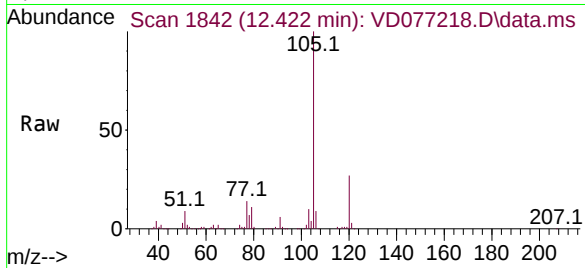




#60
Isopropylbenzene
Concen: 23.369 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

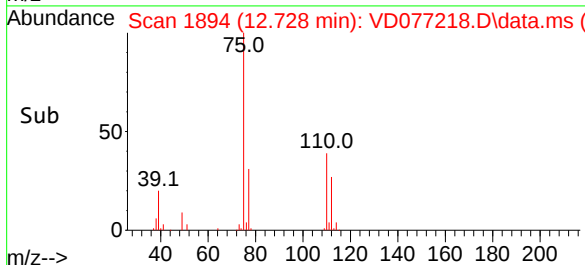
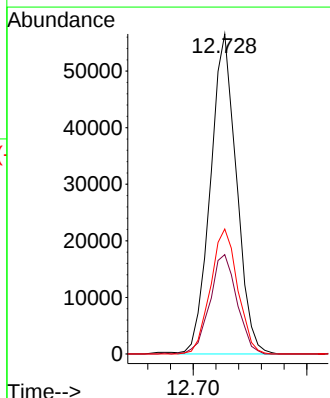
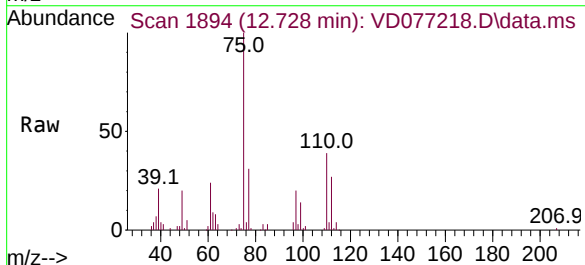
Instrument :
MSVOA_D
ClientSampleId :

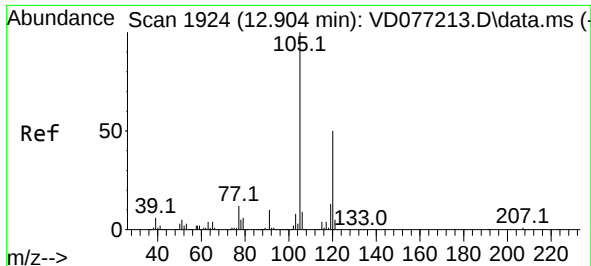
Tgt Ion:105 Resp: 569837
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 14.9 11.5 17.3



#61
1,2,3-Trichloropropane
Concen: 22.802 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion: 75 Resp: 90121
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
110 40.6 33.8 50.8

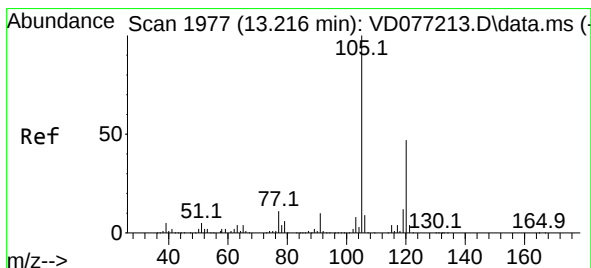
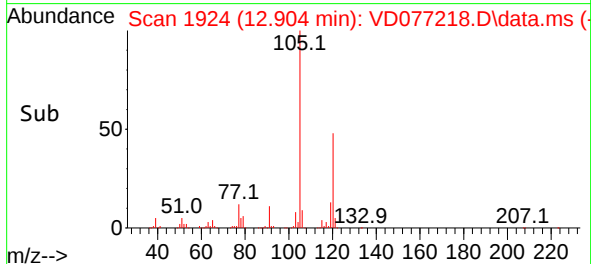
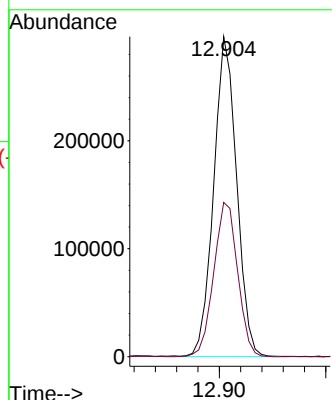
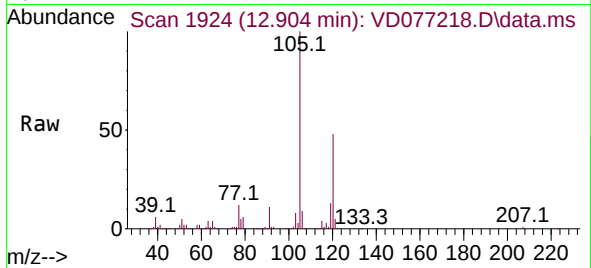




#62
1,3,5-Trimethylbenzene
Concen: 23.796 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

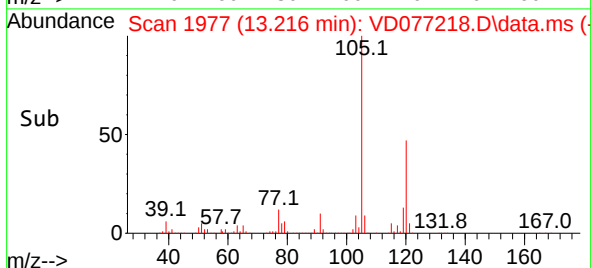
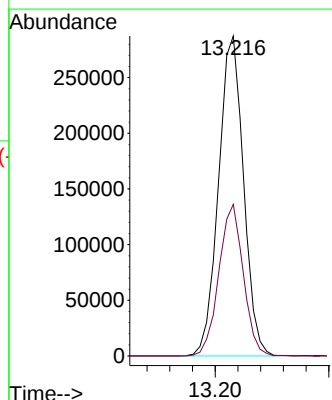
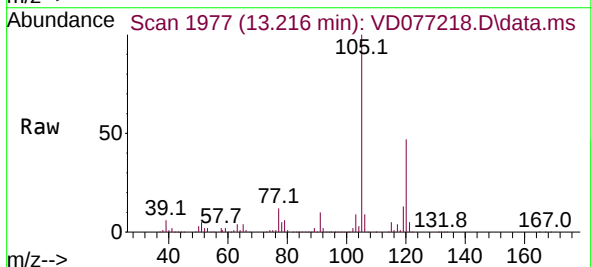
Instrument :
MSVOA_D
ClientSampleId :

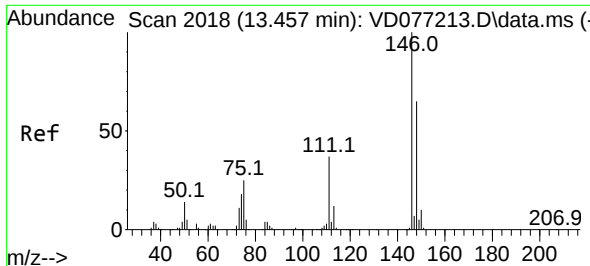
Tgt Ion:105 Resp: 443650
Ion Ratio Lower Upper
105 100
120 50.1 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 23.719 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:105 Resp: 439086
Ion Ratio Lower Upper
105 100
120 46.2 37.6 56.4

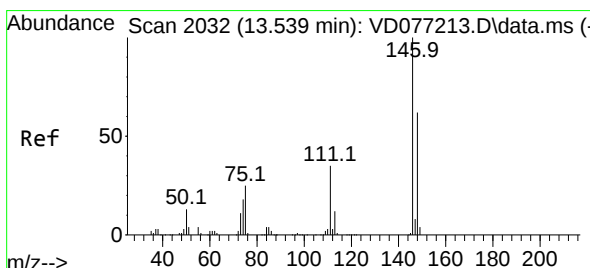
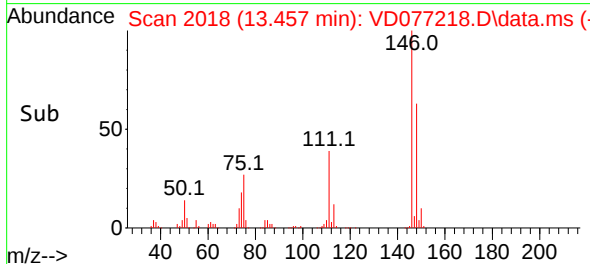
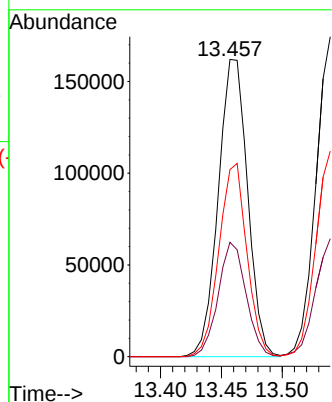
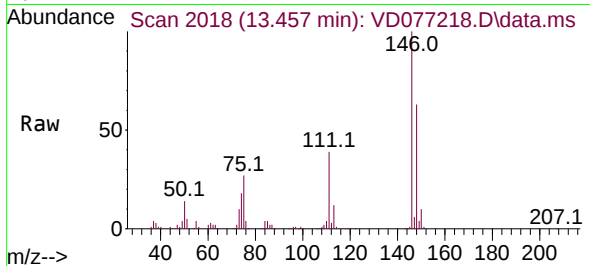




#64
1,3-Dichlorobenzene
Concen: 22.918 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

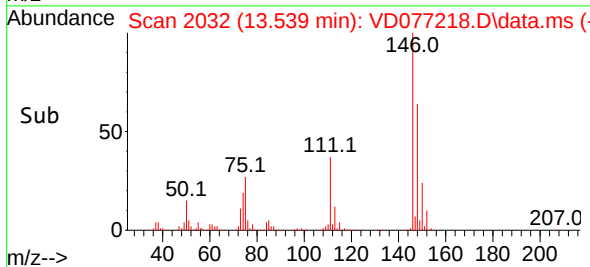
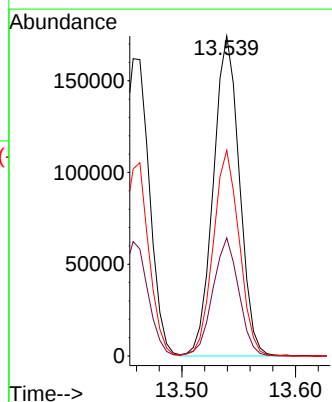
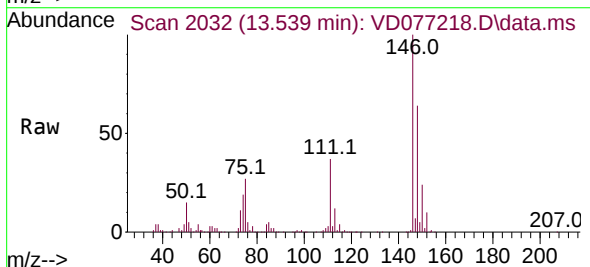
Instrument :
MSVOA_D
ClientSampleId :

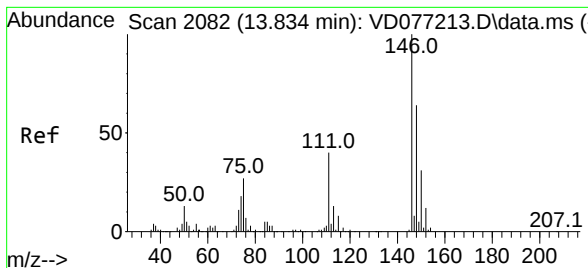
Tgt Ion:146 Resp: 271978
Ion Ratio Lower Upper
146 100
111 38.5 26.1 48.5
148 63.0 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 22.447 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:146 Resp: 278373
Ion Ratio Lower Upper
146 100
111 36.9 24.6 45.8
148 64.2 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 22.715 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

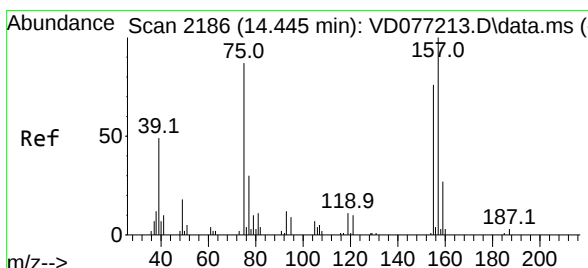
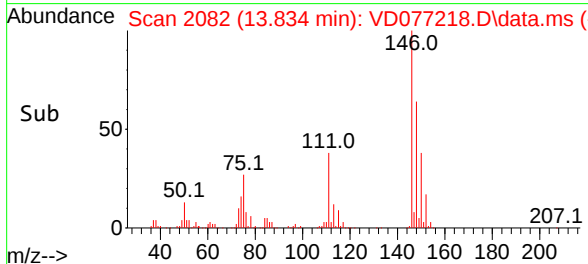
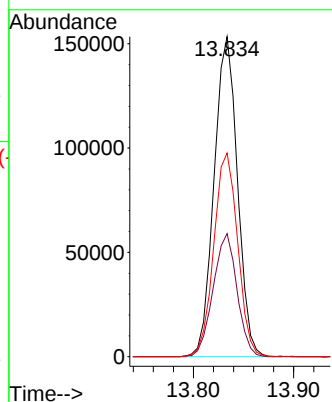
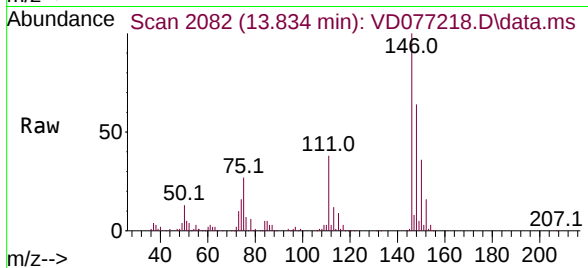
Tgt Ion:146 Resp: 248339

Ion Ratio Lower Upper

146 100

111 38.5 32.3 48.5

148 63.6 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.880 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

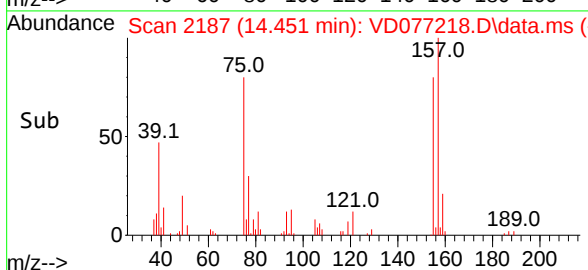
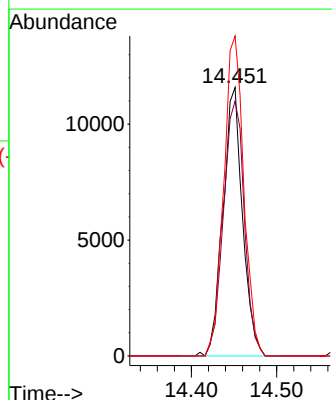
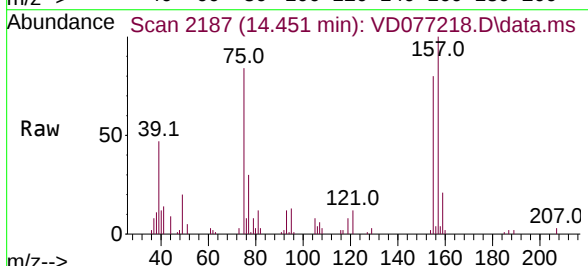
Tgt Ion: 75 Resp: 18503

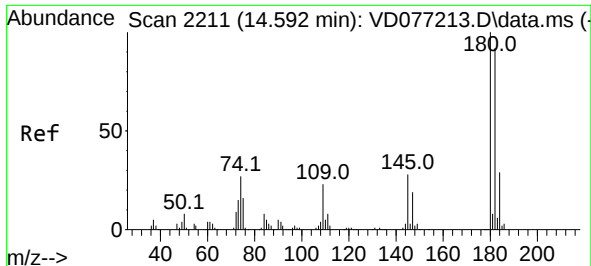
Ion Ratio Lower Upper

75 100

155 94.9 69.8 104.6

157 119.2 91.5 137.3





#69

1,3,5-Trichlorobenzene

Concen: 22.253 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

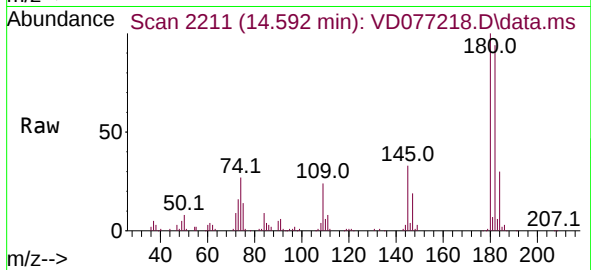
Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 173610

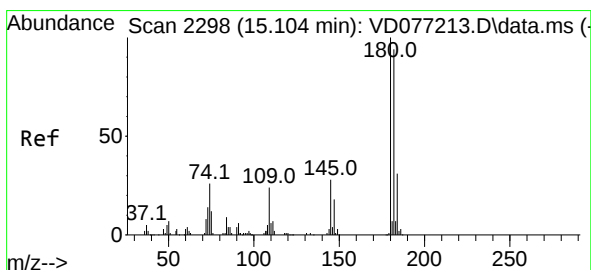
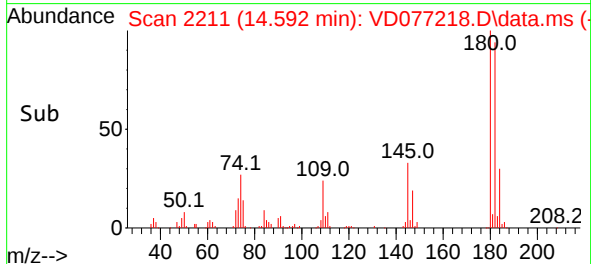
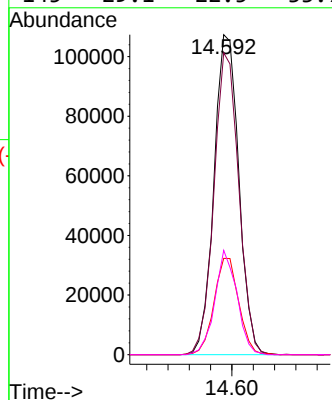
Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

184 30.1 25.0 37.4

145 29.1 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 22.223 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD077218.D

Acq: 25 Sep 2023 15:51

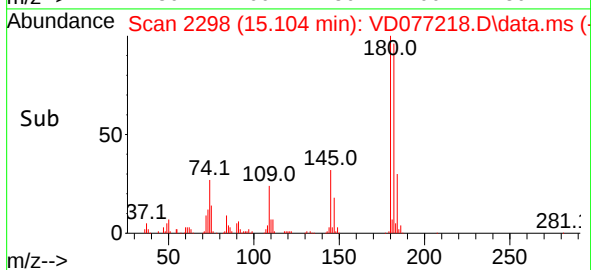
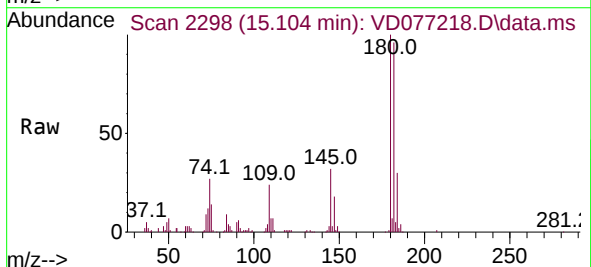
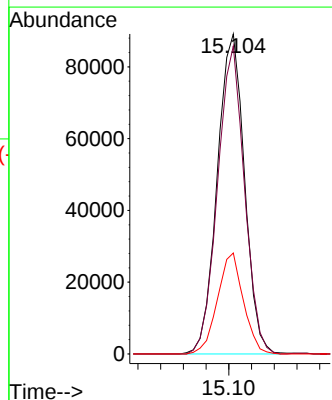
Tgt Ion:180 Resp: 148604

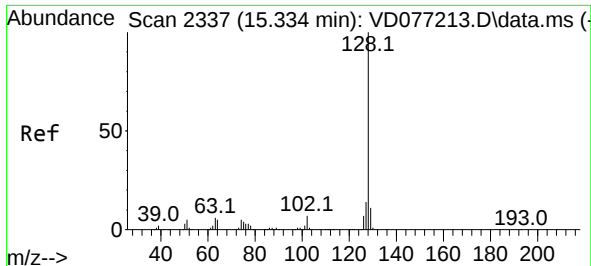
Ion Ratio Lower Upper

180 100

182 94.5 76.8 115.2

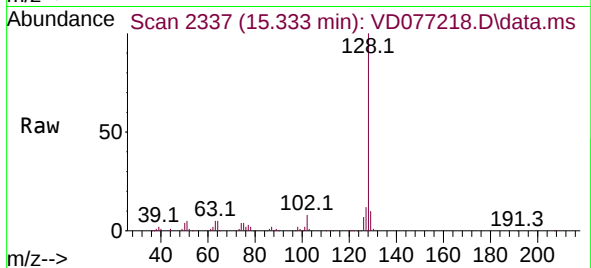
145 30.0 23.0 34.6



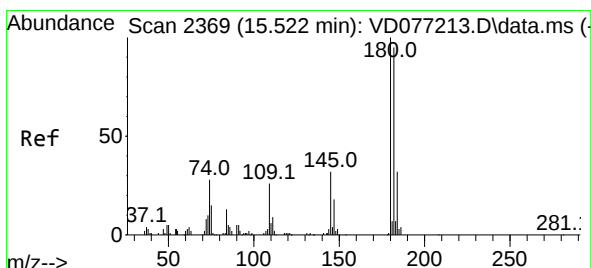
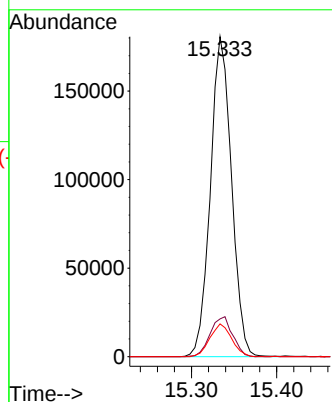
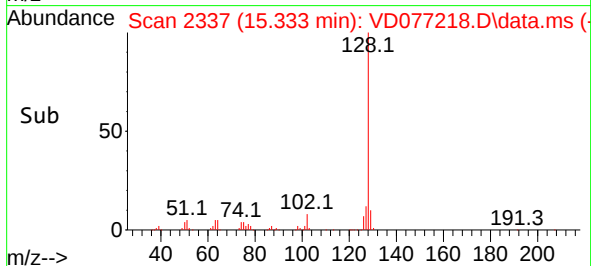


#71
Naphthalene
Concen: 22.551 ug/L
RT: 15.333 min Scan# 211
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 312148
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.5 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 22.091 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD077218.D
Acq: 25 Sep 2023 15:51

Tgt Ion:180 Resp: 138011
Ion Ratio Lower Upper
180 100
182 96.9 77.4 116.2
145 31.0 25.5 38.3

