

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120123\
 Data File : VD077718.D
 Acq On : 01 Dec 2023 08:51
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 04 03:07:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Nov 30 23:00:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	314330	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	296861	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	148659	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	156010	18.200	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.800%
7) Chloroethane-d5	2.811	69	132922	19.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	3.928	65	41510	18.676	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.720%
21) 2-Butanone-d5	6.993	46	48055	44.357	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.720%
24) Chloroform-d	7.575	84	186291	21.990	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.960%
26) 1,2-Dichloroethane-d4	8.234	65	96232	22.419	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.680%
32) Benzene-d6	8.204	84	370827	20.741	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.960%
36) 1,2-Dichloropropane-d6	9.210	67	115156	21.110	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.440%
41) Toluene-d8	10.269	98	347195	21.098	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	10.528	79	49915	20.692	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.760%
47) 2-Hexanone-d5	10.875	63	43438	46.210	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.420%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91328	23.168	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	113831	21.404	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	112962	22.511	ug/L	98
3) Chloromethane	2.152	50	151567	21.024	ug/L	97
5) Vinyl chloride	2.287	62	196185	21.848	ug/L	100
6) Bromomethane	2.699	94	101715	21.382	ug/L	98
8) Chloroethane	2.846	64	128502	22.926	ug/L	98
9) Trichlorofluoromethane	3.181	101	174233	22.750	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	109707	24.282	ug/L	99
12) 1,1-Dichloroethene	3.946	96	101029	23.628	ug/L #	82
13) Acetone	4.022	43	72834	52.472	ug/L	98
14) Carbon disulfide	4.275	76	354881	23.420	ug/L	97
15) Methyl Acetate	4.563	43	45345	22.821	ug/L	99
16) Methylene chloride	4.811	84	112607	20.176	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	108917	24.432	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	237523	24.170	ug/L	99
19) 1,1-Dichloroethane	6.116	63	195827	23.307	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	115394	23.293	ug/L	97
22) 2-Butanone	7.087	43	75970	48.628	ug/L #	66
23) Bromochloromethane	7.428	128	50746	24.605	ug/L	90
25) Chloroform	7.599	83	196022	23.697	ug/L	94

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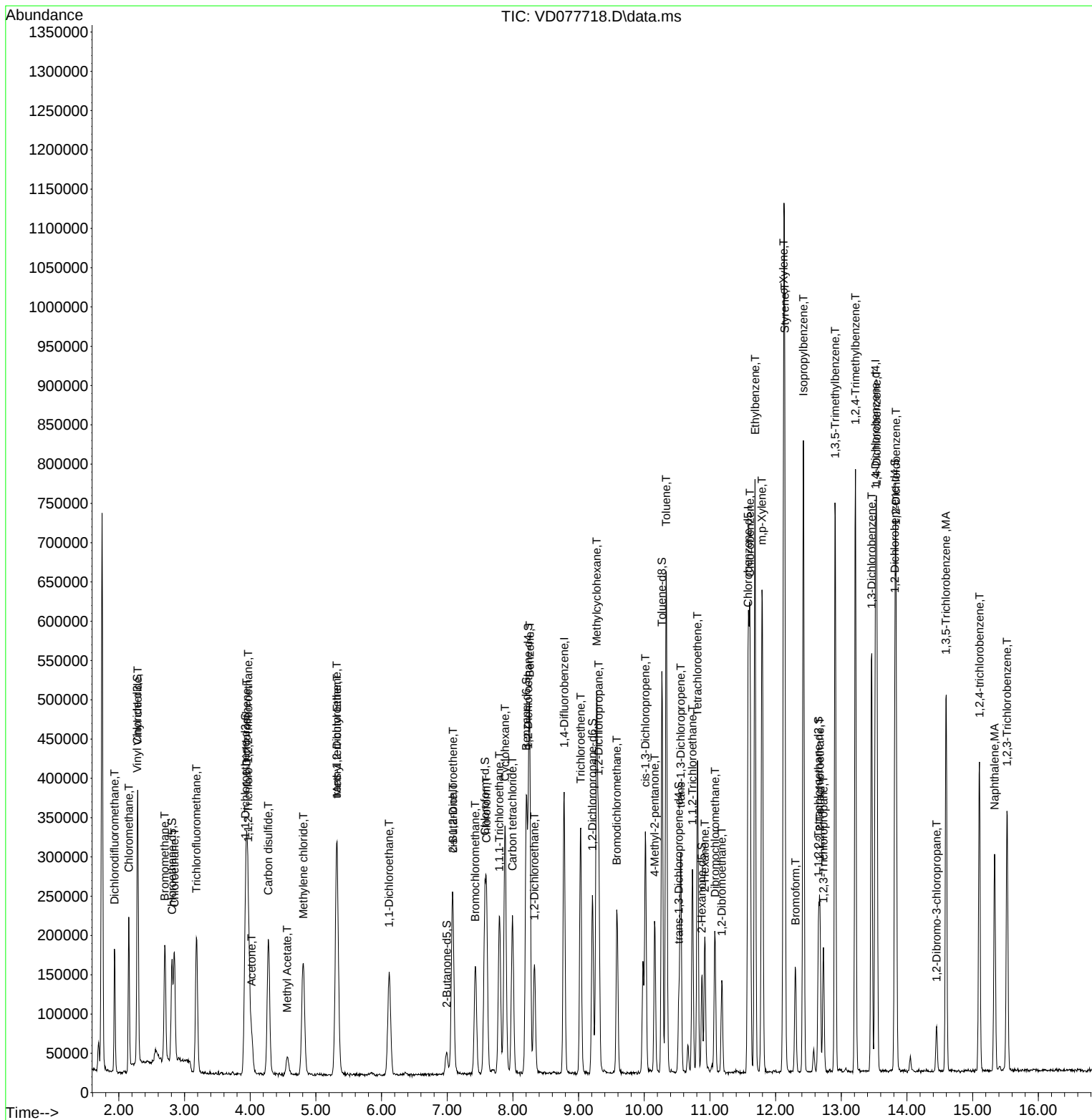
Instrument :
 MSVOA_D
 ClientSampleId :

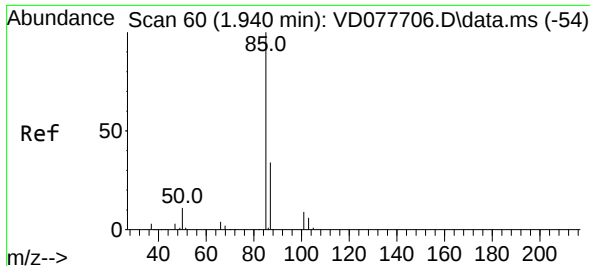
Quant Time: Dec 04 03:07:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Nov 30 23:00:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	126736	24.494	ug/L	100
29) Cyclohexane	7.881	56	180416	23.031	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	168199	23.155	ug/L	99
31) Carbon tetrachloride	7.993	117	151733	23.752	ug/L	100
33) Benzene	8.257	78	453335	23.462	ug/L	100
34) Trichloroethene	9.034	95	111750	23.299	ug/L	99
35) Methylcyclohexane	9.275	83	200080	23.497	ug/L	98
37) 1,2-Dichloropropane	9.304	63	118220	23.467	ug/L	100
38) Bromodichloromethane	9.581	83	139357	22.748	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	188377	23.945	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	131317	47.237	ug/L	98
42) Toluene	10.334	91	485529	23.658	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	154161	23.461	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	83305	24.622	ug/L	96
46) Tetrachloroethene	10.810	164	86887	22.465	ug/L	92
48) 2-Hexanone	10.922	43	116781	49.422	ug/L	98
49) Dibromochloromethane	11.081	129	93578	23.261	ug/L	95
50) 1,2-Dibromoethane	11.181	107	76543	23.458	ug/L	97
51) Chlorobenzene	11.610	112	301226	23.671	ug/L	98
52) Ethylbenzene	11.687	91	531074	23.343	ug/L	98
53) m,p-Xylene	11.792	106	199043	23.154	ug/L	98
54) o-Xylene	12.122	106	198373	24.112	ug/L	99
55) Styrene	12.140	104	346370	24.060	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	96808	24.148	ug/L	97
59) Bromoform	12.304	173	58780	23.897	ug/L #	98
60) Isopropylbenzene	12.422	105	530302	23.900	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	65074	23.798	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	387298	23.240	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	404205	23.921	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	226236	23.576	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	229189	23.017	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	204582	23.693	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	14325	22.217	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	152724	23.373	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	128541	23.172	ug/L	97
71) Naphthalene	15.333	128	240715	23.736	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	111900	23.011	ug/L	99

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

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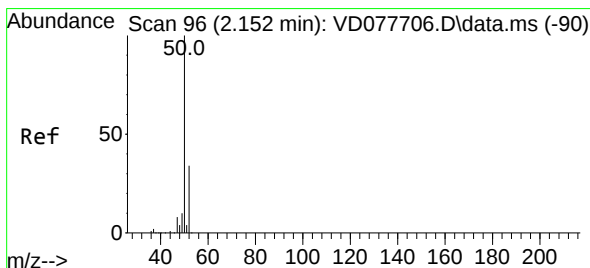
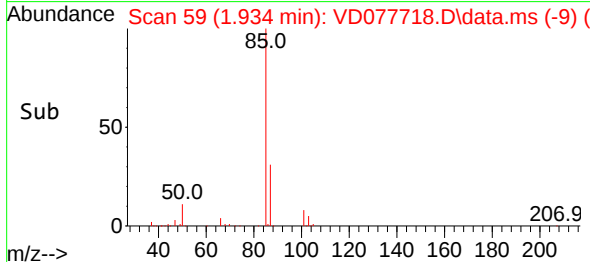
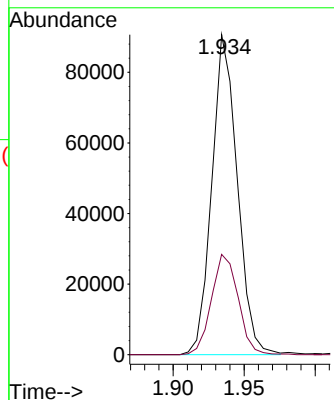
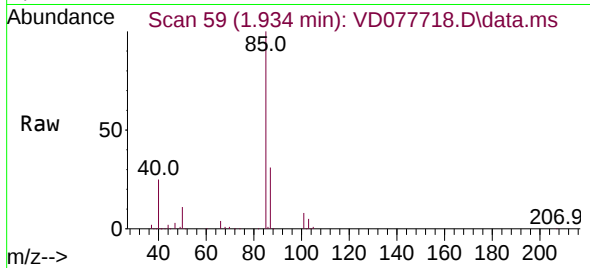




#2
Dichlorodifluoromethane
Concen: 22.511 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

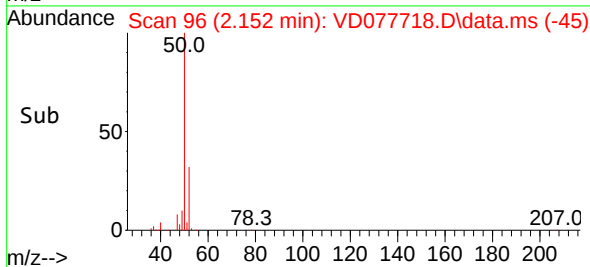
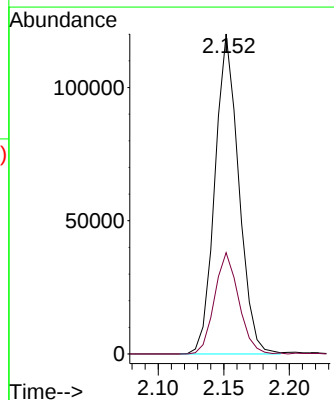
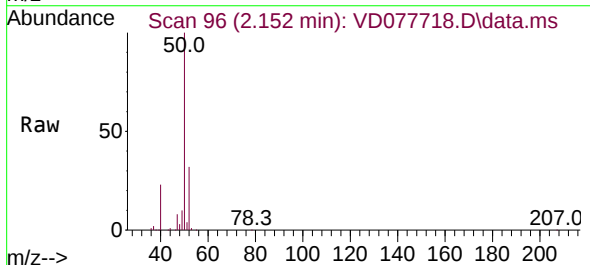
Instrument :
MSVOA_D
ClientSampleId :

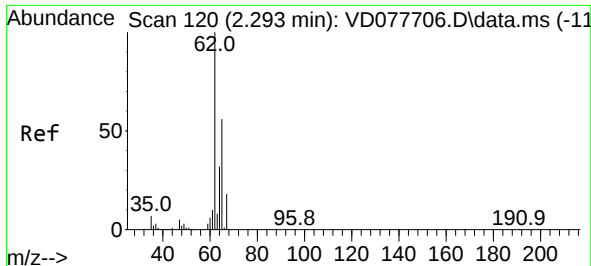
Tgt Ion: 85 Resp: 112962
Ion Ratio Lower Upper
85 100
87 32.9 25.6 38.4



#3
Chloromethane
Concen: 21.024 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 50 Resp: 151567
Ion Ratio Lower Upper
50 100
52 31.7 23.2 43.2

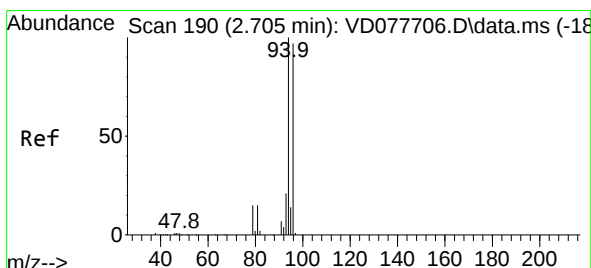
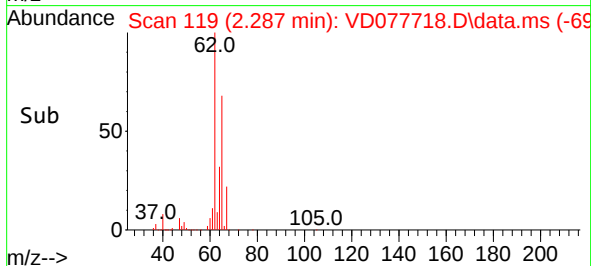
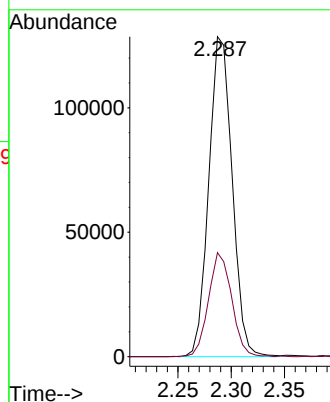
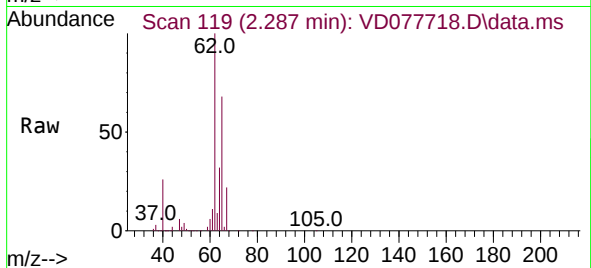




#5
 Vinyl chloride
 Concen: 21.848 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD077718.D
 Acq: 01 Dec 2023 08:51

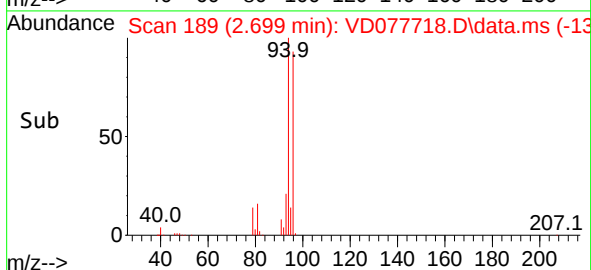
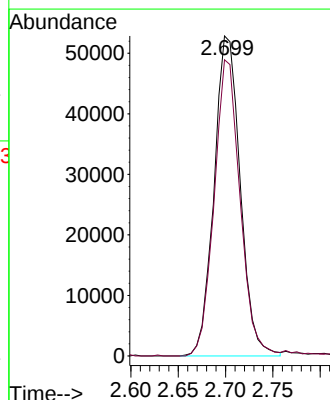
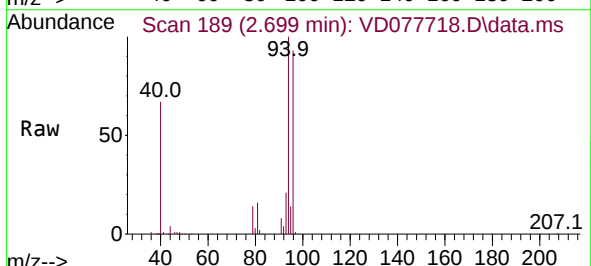
Instrument :
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 ClientSampleId :

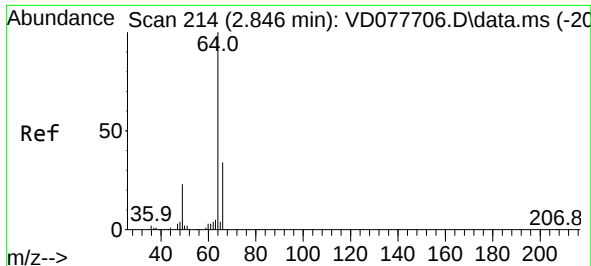
Tgt Ion: 62 Resp: 196185
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.6 42.0



#6
 Bromomethane
 Concen: 21.382 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.006 min
 Lab File: VD077718.D
 Acq: 01 Dec 2023 08:51

Tgt Ion: 94 Resp: 101715
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.0 122.6

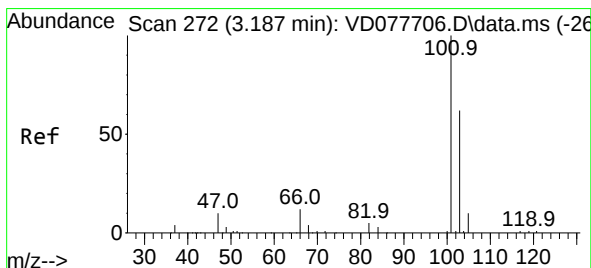
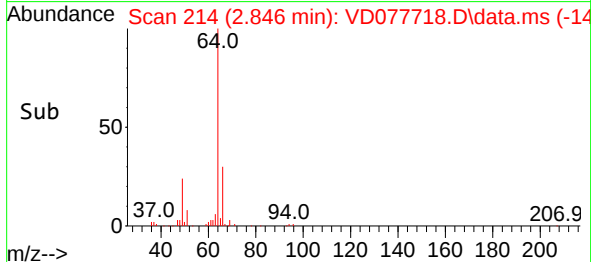
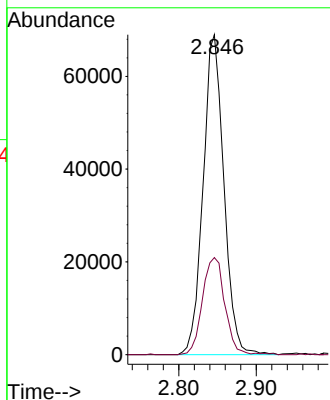
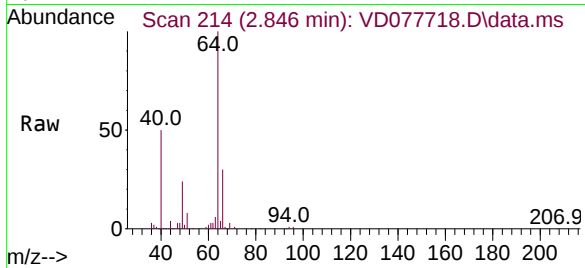




#8
Chloroethane
Concen: 22.926 ug/L
RT: 2.846 min Scan# 214
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

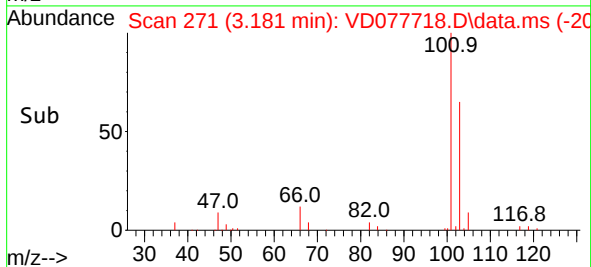
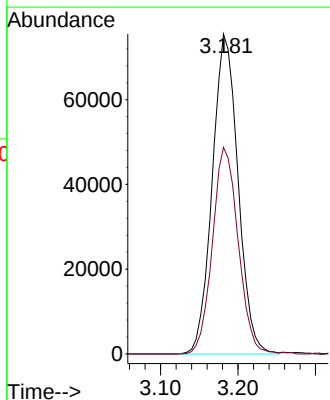
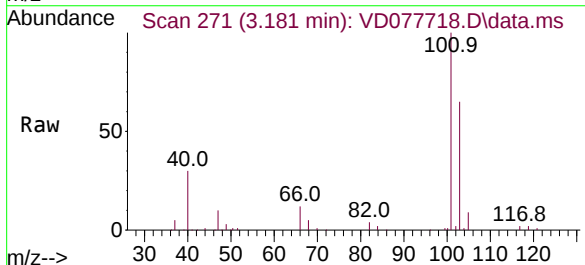
Instrument :
MSVOA_D
ClientSampleId :

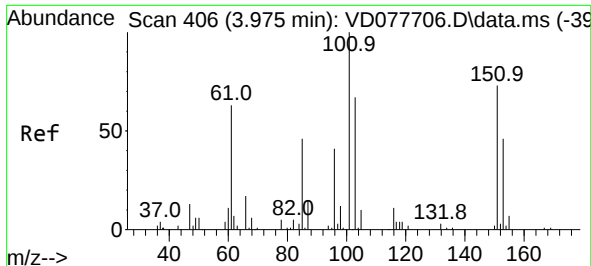
Tgt Ion: 64 Resp: 128502
Ion Ratio Lower Upper
64 100
66 30.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.750 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

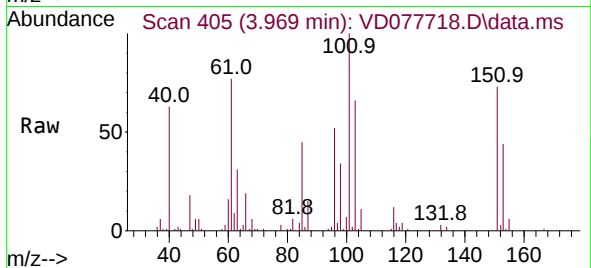
Tgt Ion:101 Resp: 174233
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7



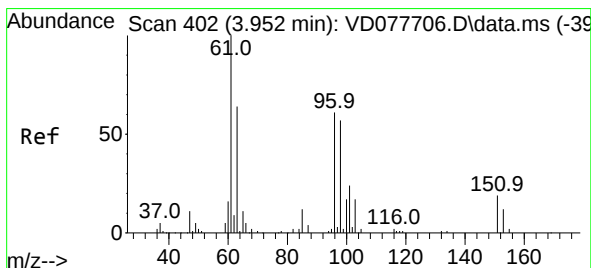
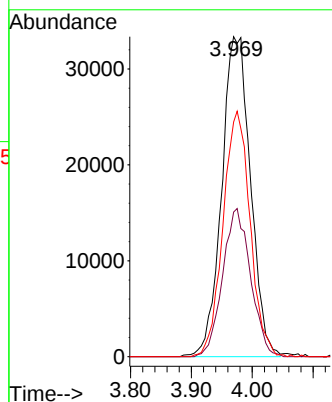
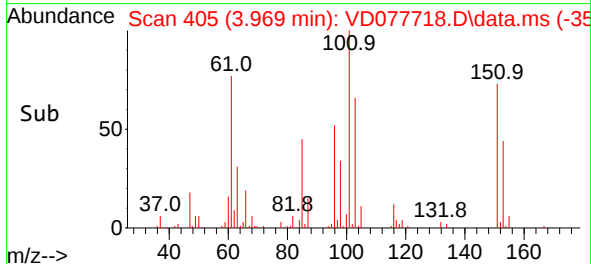


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 24.282 ug/L
RT: 3.969 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Instrument :
MSVOA_D
ClientSampleId :

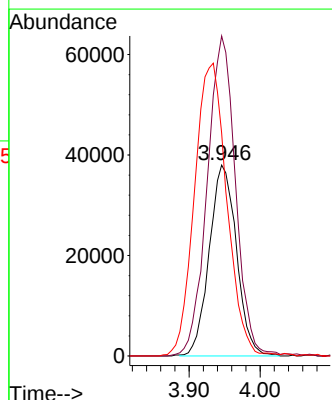
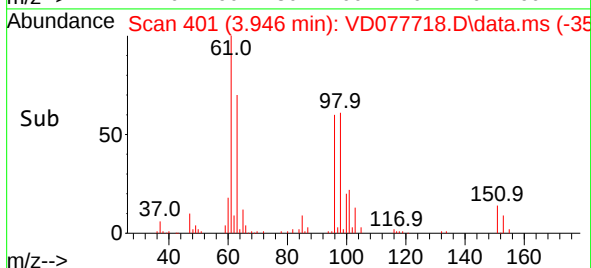
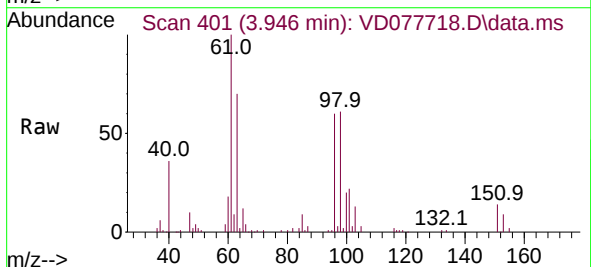


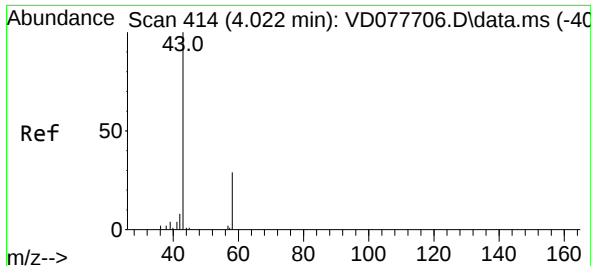
Tgt Ion:101 Resp: 109707
Ion Ratio Lower Upper
101 100
85 44.9 35.8 53.6
151 72.0 57.0 85.6



#12
1,1-Dichloroethene
Concen: 23.628 ug/L
RT: 3.946 min Scan# 401
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 96 Resp: 101029
Ion Ratio Lower Upper
96 100
61 167.7 108.6 201.6
63 116.9 60.3 111.9#

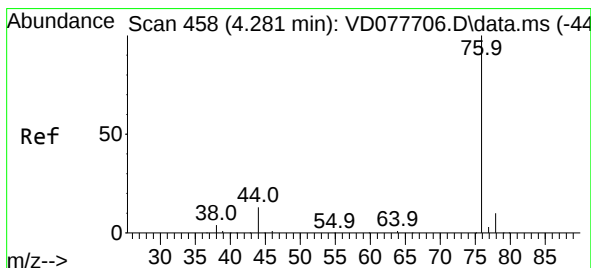
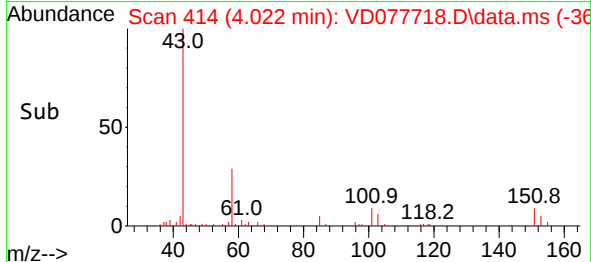
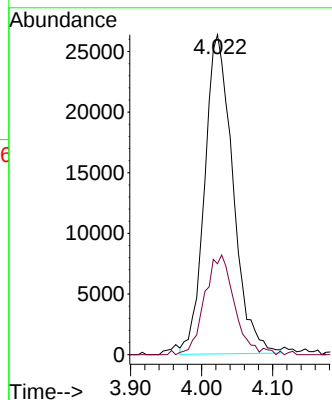
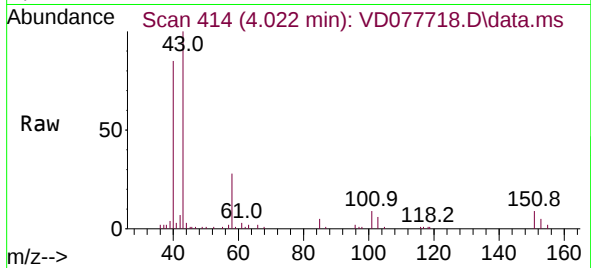




#13
Acetone
Concen: 52.472 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

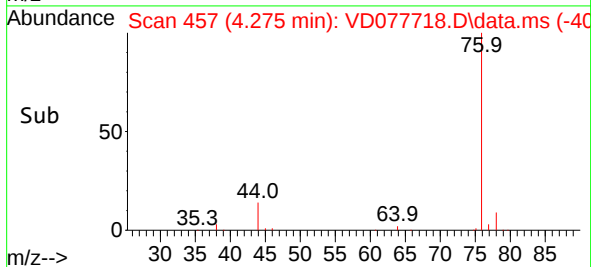
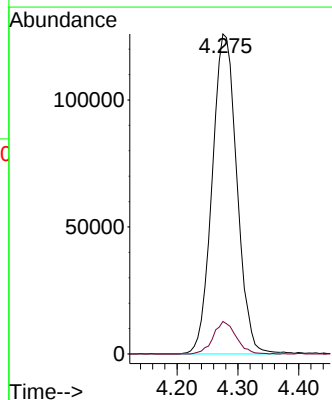
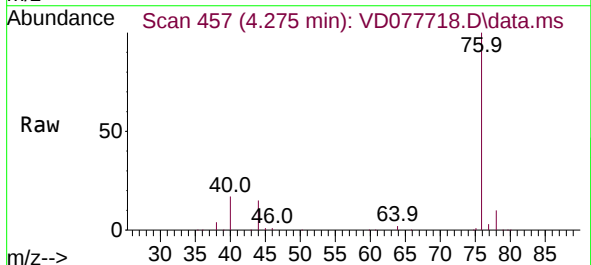
Instrument :
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ClientSampleId :

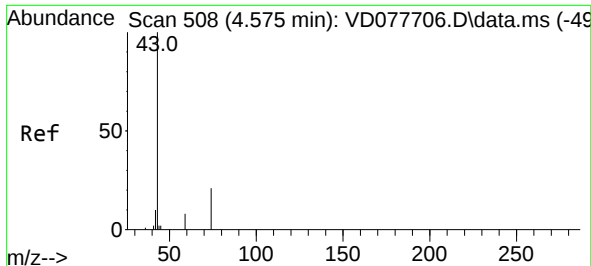
Tgt Ion: 43 Resp: 72834
Ion Ratio Lower Upper
43 100
58 32.2 0.0 67.2



#14
Carbon disulfide
Concen: 23.420 ug/L
RT: 4.275 min Scan# 457
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 76 Resp: 354881
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8

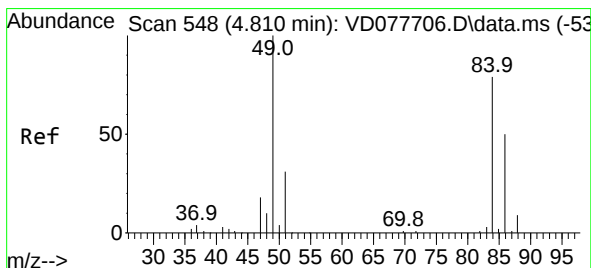
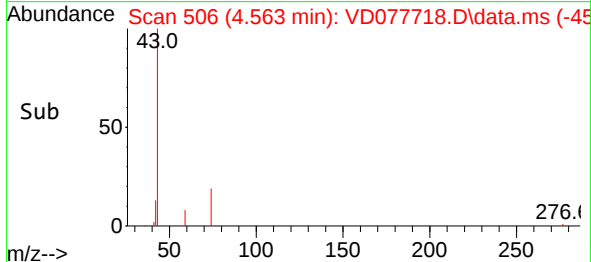
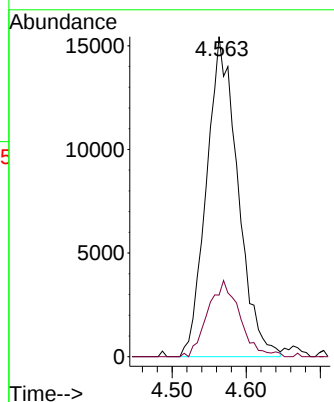
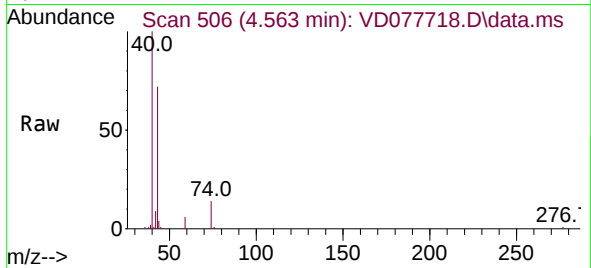




#15
Methyl Acetate
Concen: 22.821 ug/L
RT: 4.563 min Scan# 508
Delta R.T. -0.012 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

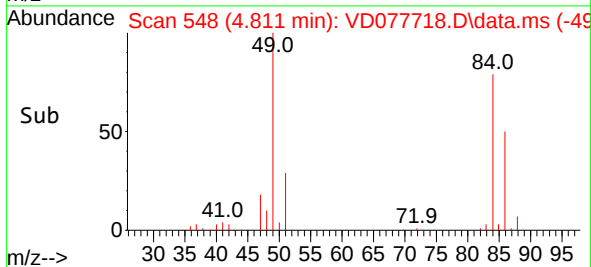
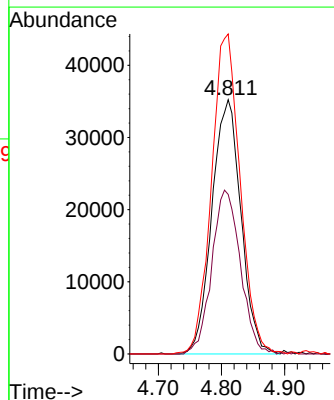
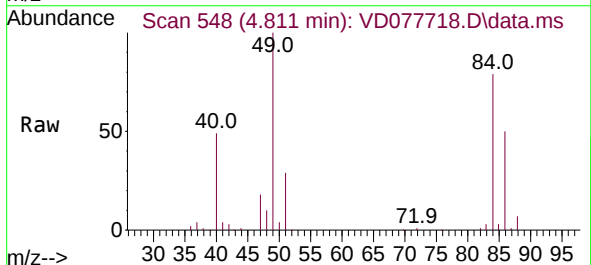
Instrument :
MSVOA_D
ClientSampleId :

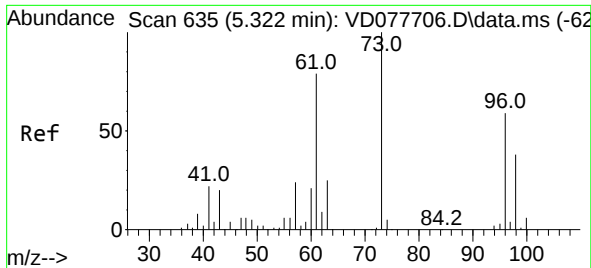
Tgt Ion: 43 Resp: 45345
Ion Ratio Lower Upper
43 100
74 23.8 18.6 27.8



#16
Methylene chloride
Concen: 20.176 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 84 Resp: 112607
Ion Ratio Lower Upper
84 100
86 62.7 40.1 74.5
49 125.8 83.2 154.6

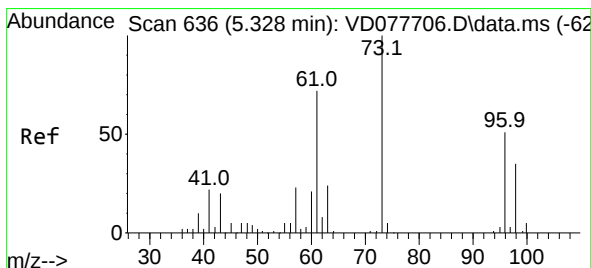
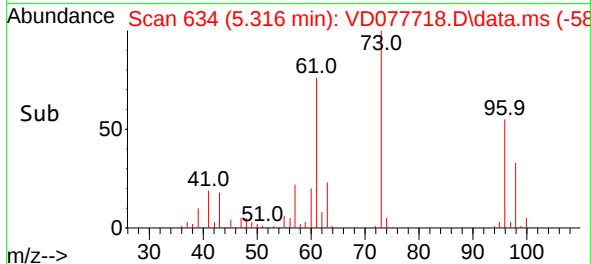
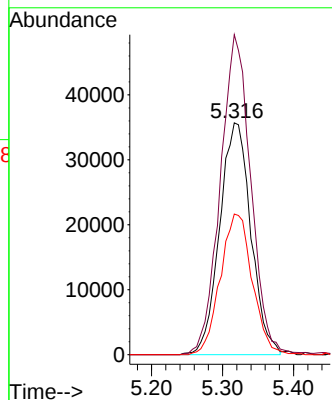
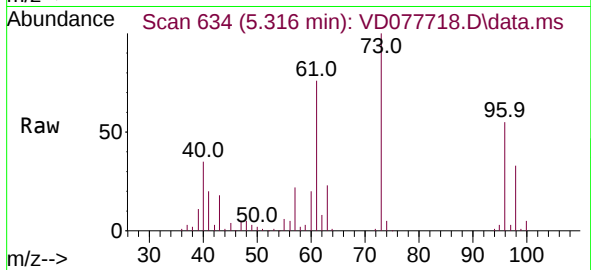




#17
trans-1,2-Dichloroethene
Concen: 24.432 ug/L
RT: 5.316 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

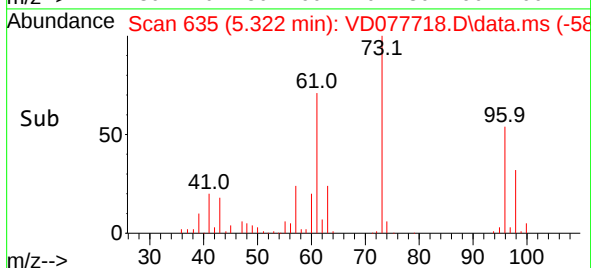
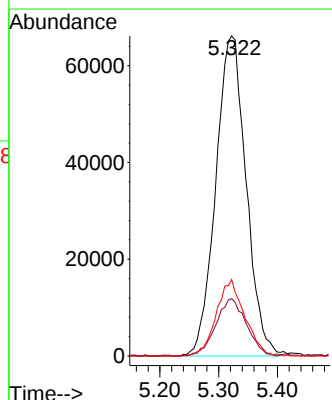
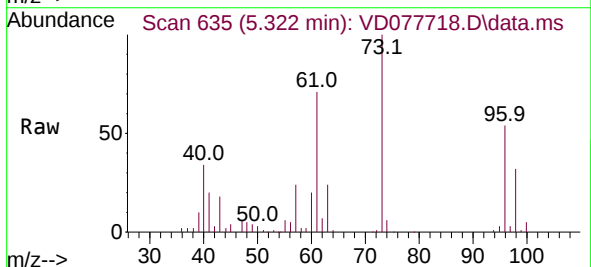
Instrument :
MSVOA_D
ClientSampleId :

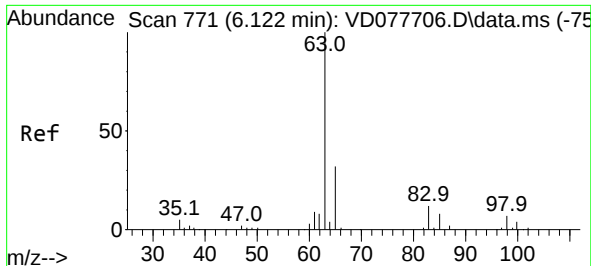
Tgt Ion: 96 Resp: 108917
Ion Ratio Lower Upper
96 100
61 138.0 92.3 171.3
98 60.7 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 24.170 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 73 Resp: 237523
Ion Ratio Lower Upper
73 100
43 18.0 15.0 22.4
57 22.2 18.1 27.1





#19

1,1-Dichloroethane

Concen: 23.307 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :

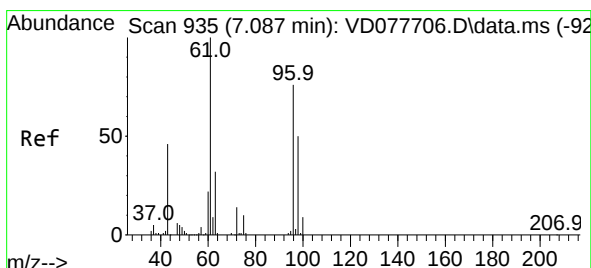
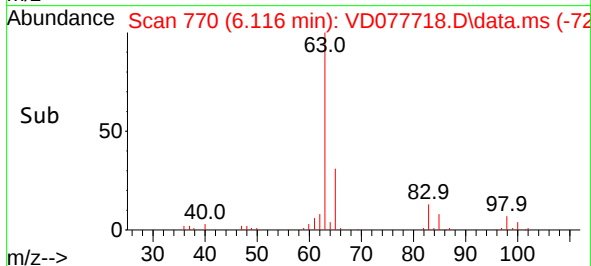
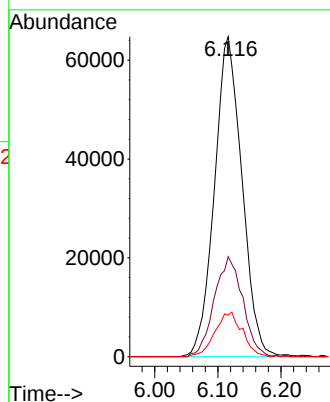
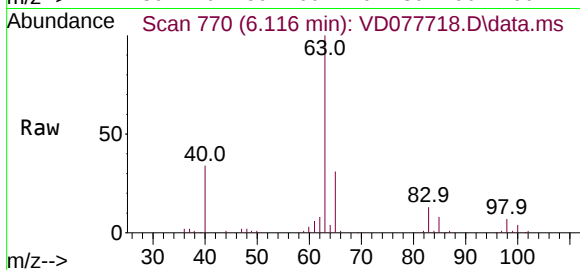
Tgt Ion: 63 Resp: 195827

Ion Ratio Lower Upper

63 100

65 31.3 20.9 38.9

83 13.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 23.293 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

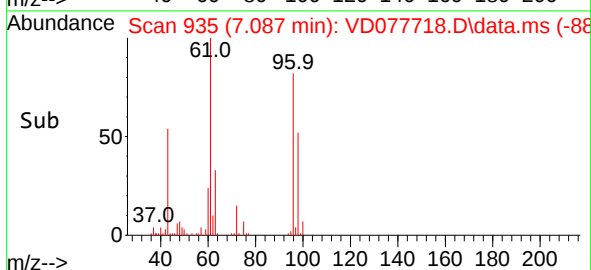
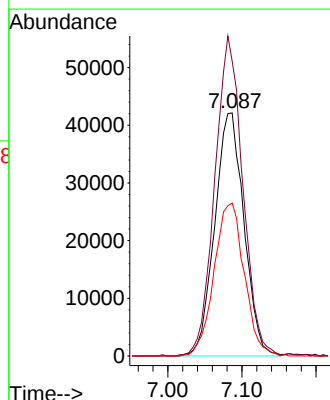
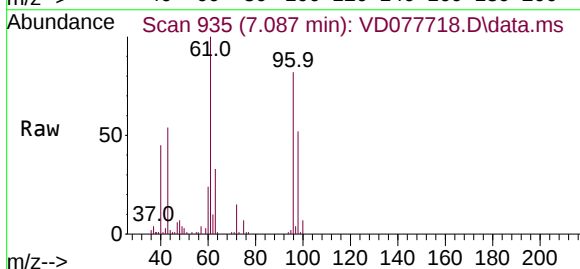
Tgt Ion: 96 Resp: 115394

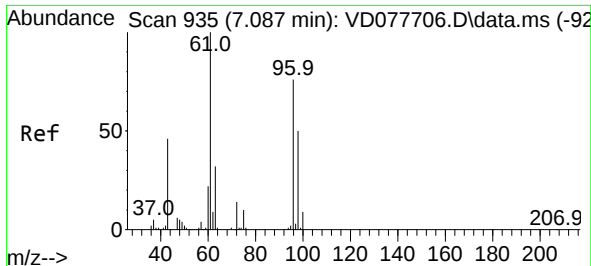
Ion Ratio Lower Upper

96 100

61 121.2 88.1 163.5

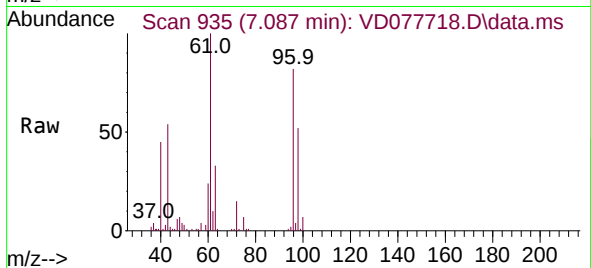
98 62.9 44.1 81.9



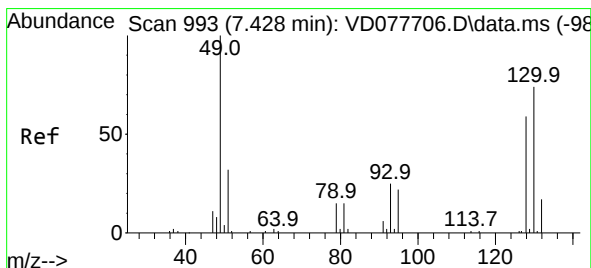
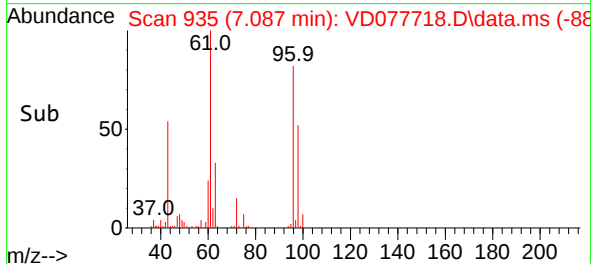
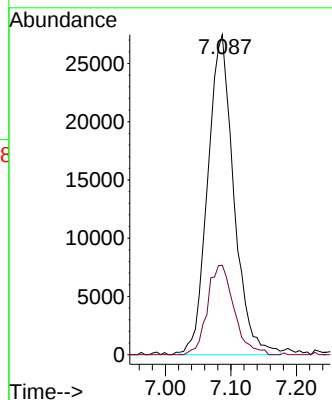


#22
2-Butanone
Concen: 48.628 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Instrument :
MSVOA_D
ClientSampleId :

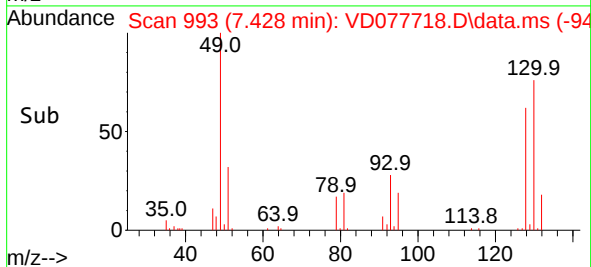
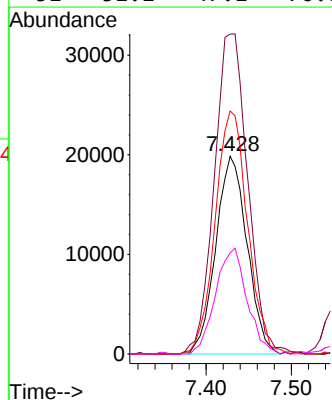
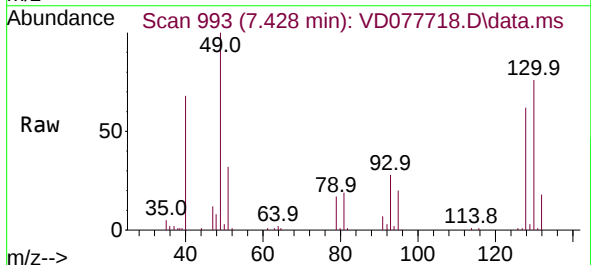


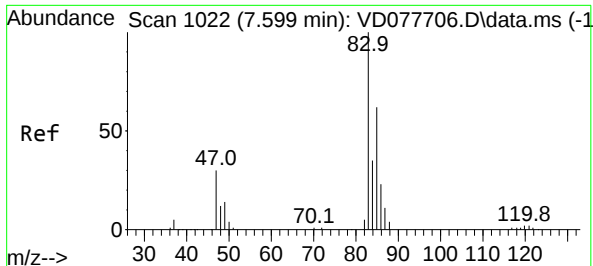
Tgt Ion: 43 Resp: 75970
Ion Ratio Lower Upper
43 100
72 28.4 7.2 21.6#



#23
Bromochloromethane
Concen: 24.605 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 128 Resp: 50746
Ion Ratio Lower Upper
128 100
49 161.9 124.7 231.5
130 123.0 92.3 171.3
51 51.1 47.1 70.7





#25

Chloroform

Concen: 23.697 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

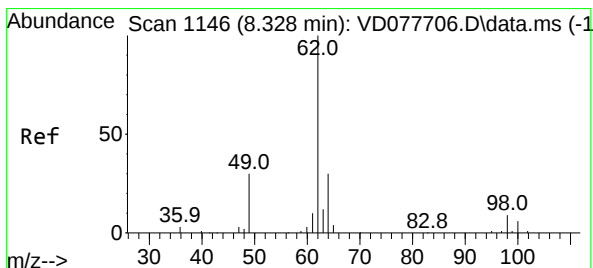
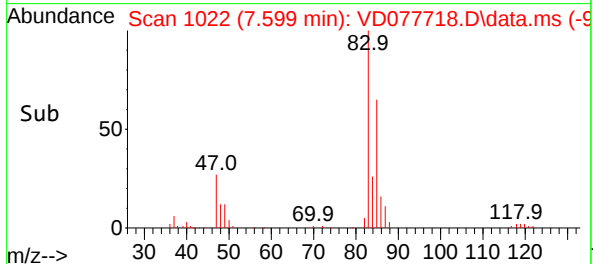
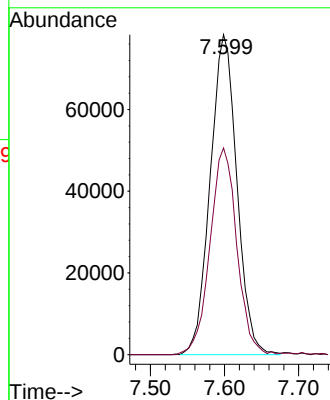
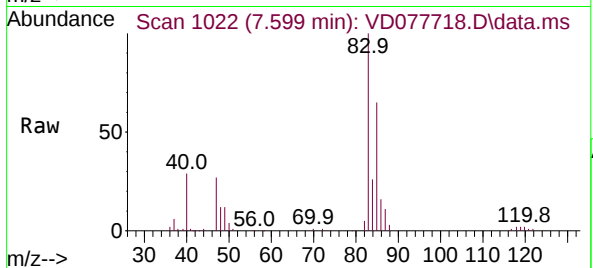
ClientSampleId :

Tgt Ion: 83 Resp: 196022

Ion Ratio Lower Upper

83 100

85 64.6 48.9 90.9



#27

1,2-Dichloroethane

Concen: 24.494 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077718.D

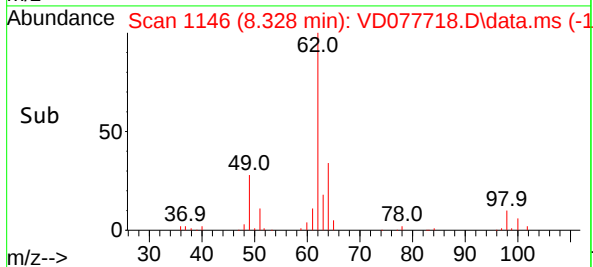
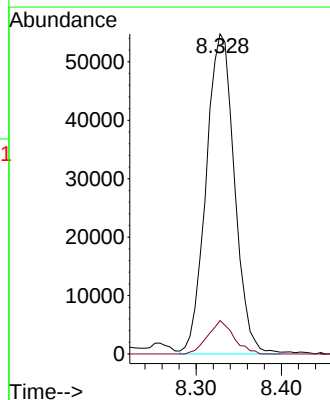
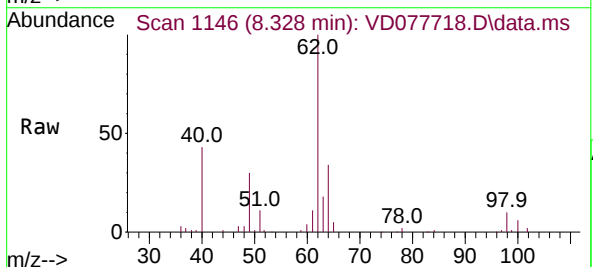
Acq: 01 Dec 2023 08:51

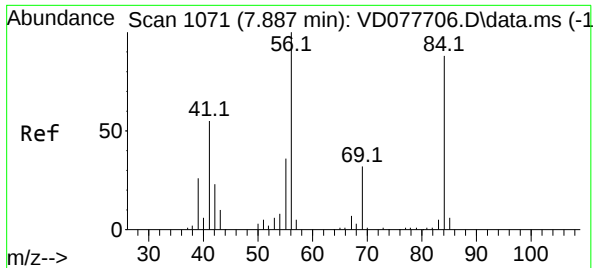
Tgt Ion: 62 Resp: 126736

Ion Ratio Lower Upper

62 100

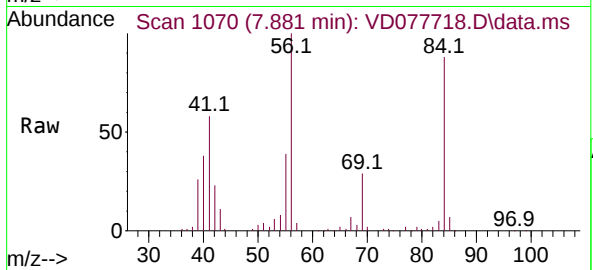
98 10.5 8.4 12.6



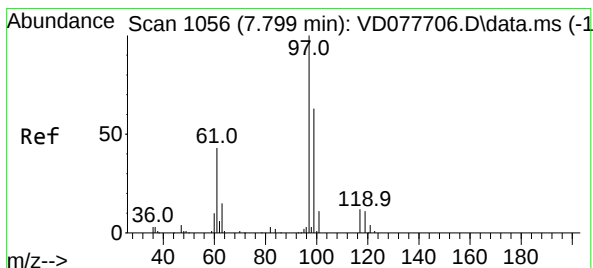
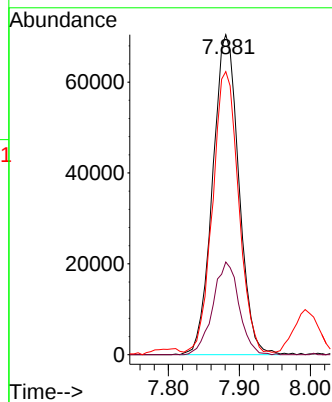
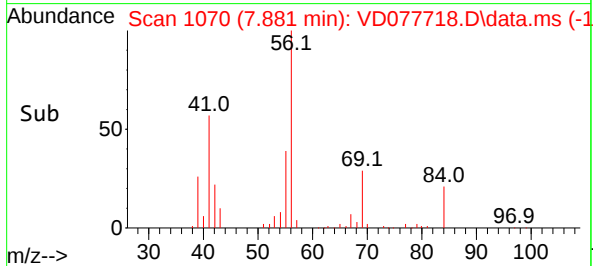


#29
Cyclohexane
Concen: 23.031 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Instrument :
MSVOA_D
ClientSampleId :

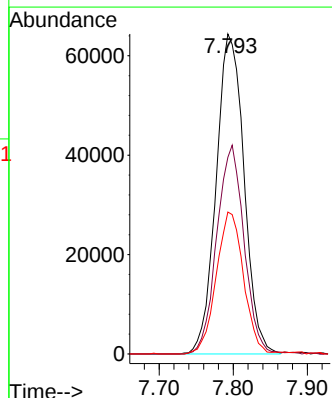
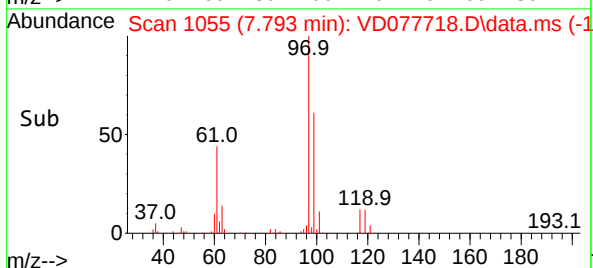
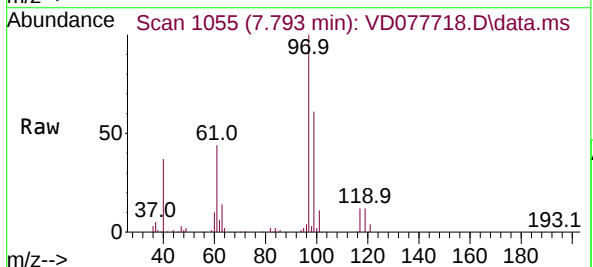


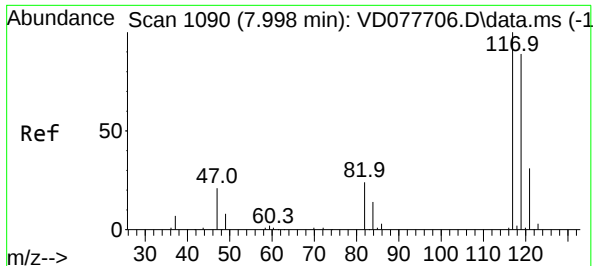
Tgt Ion: 56 Resp: 180416
Ion Ratio Lower Upper
56 100
69 28.7 22.2 33.4
84 88.2 68.5 102.7



#30
1,1,1-Trichloroethane
Concen: 23.155 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 97 Resp: 168199
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.2
61 43.4 35.4 53.2

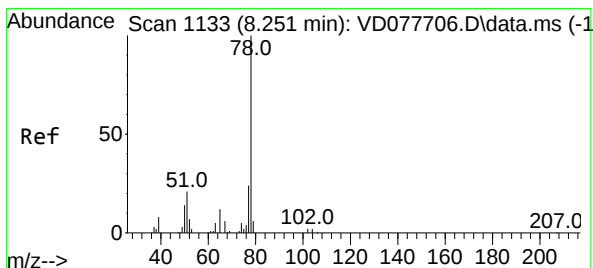
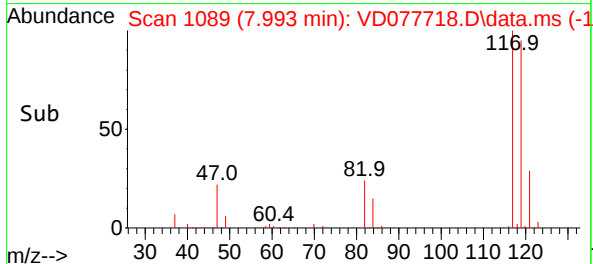
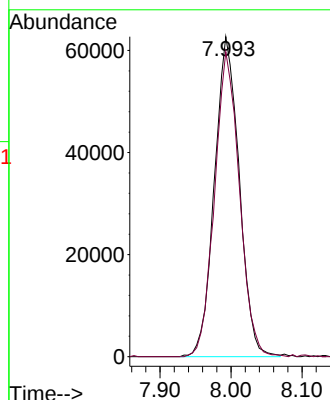
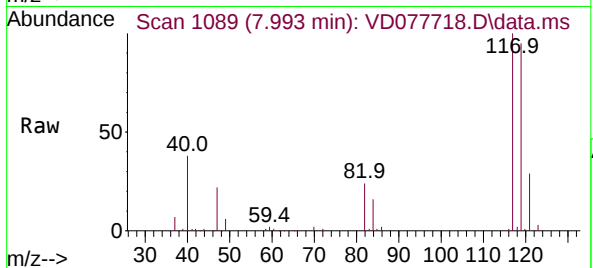




#31
Carbon tetrachloride
Concen: 23.752 ug/L
RT: 7.993 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

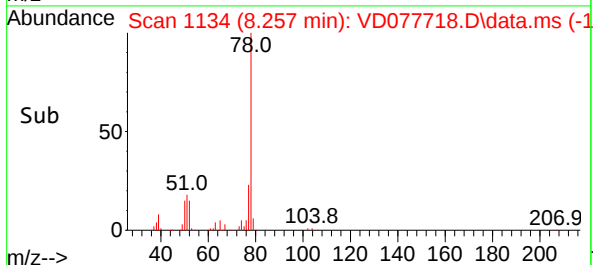
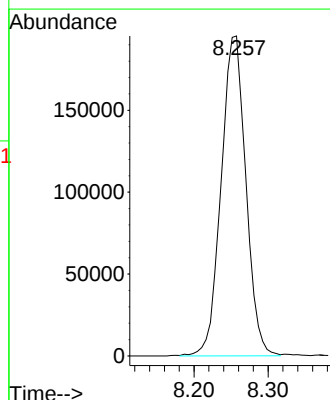
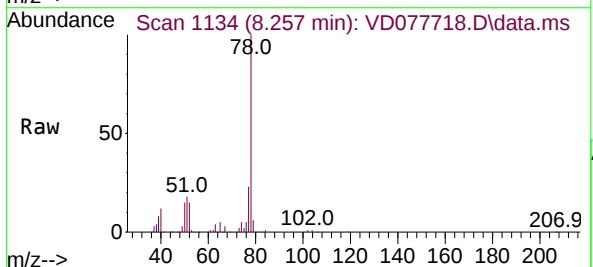
Instrument :
MSVOA_D
ClientSampleId :

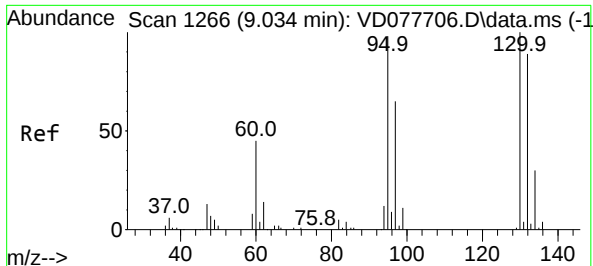
Tgt Ion:117 Resp: 151733
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 23.462 ug/L
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

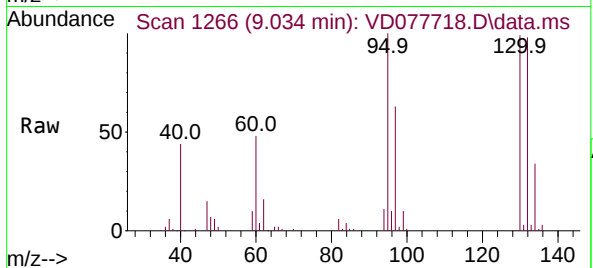
Tgt Ion: 78 Resp: 453335





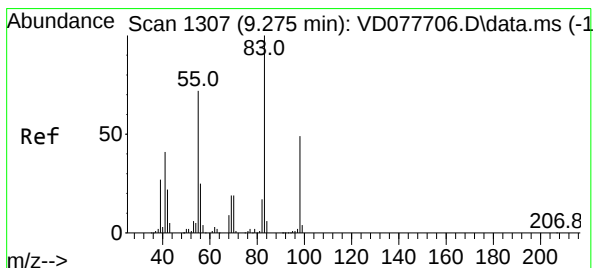
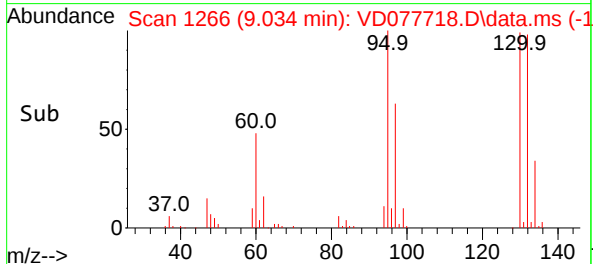
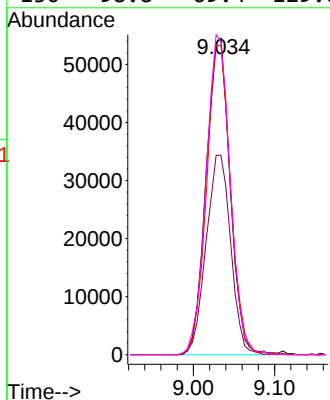
#34
Trichloroethene
Concen: 23.299 ug/L
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 111750

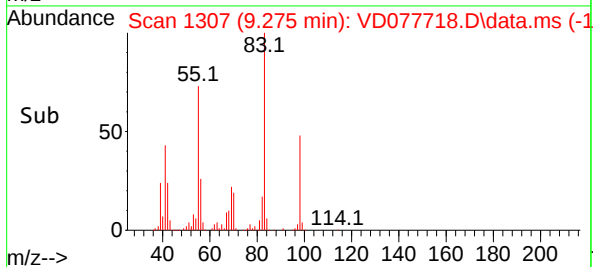
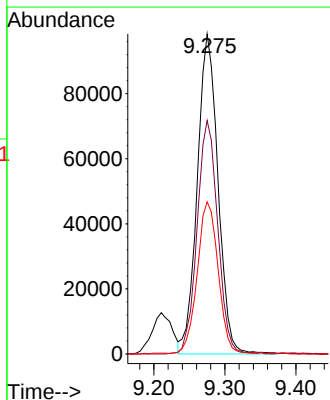
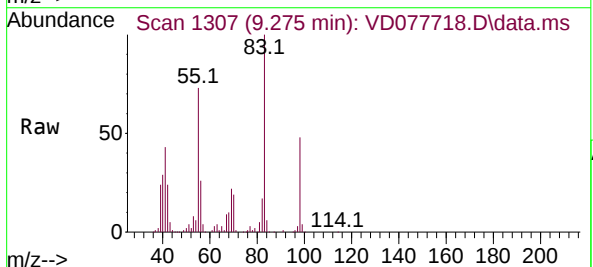
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.2	82.0
132	97.6	67.5	125.3
130	98.8	69.4	129.0

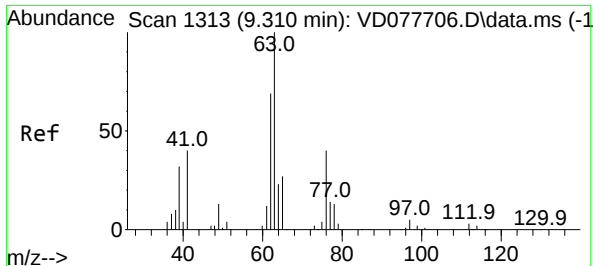


#35
Methylcyclohexane
Concen: 23.497 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion: 83 Resp: 200080

Ion	Ratio	Lower	Upper
83	100		
55	72.2	59.8	89.6
98	47.9	38.5	57.7





#37

1,2-Dichloropropane

Concen: 23.467 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

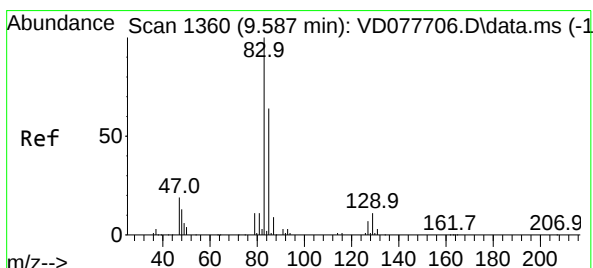
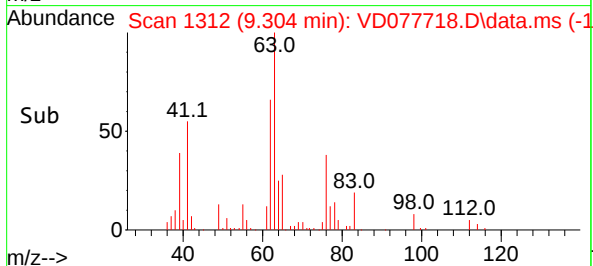
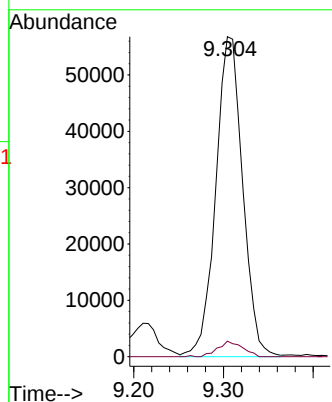
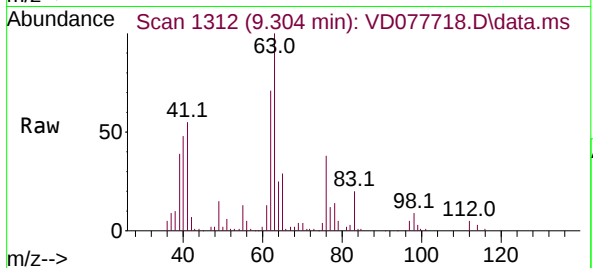
ClientSampleId :

Tgt Ion: 63 Resp: 118220

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 22.748 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

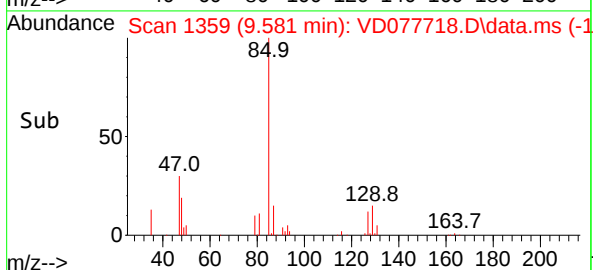
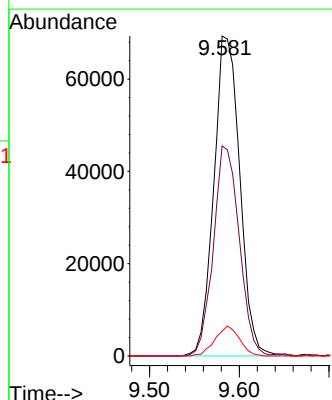
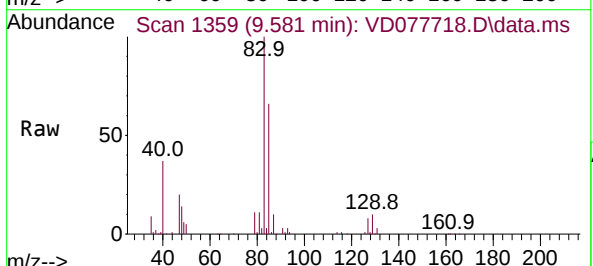
Tgt Ion: 83 Resp: 139357

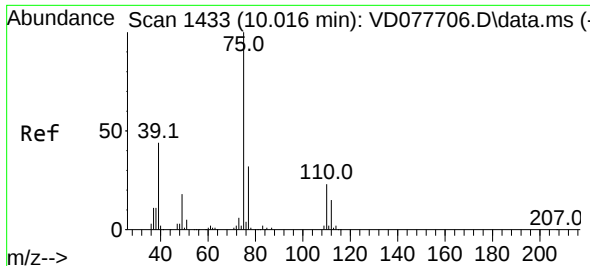
Ion Ratio Lower Upper

83 100

85 65.7 45.5 84.5

127 7.8 7.4 11.2

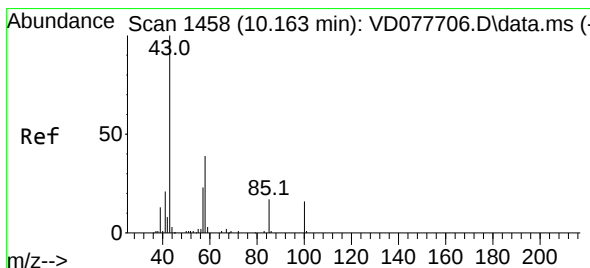
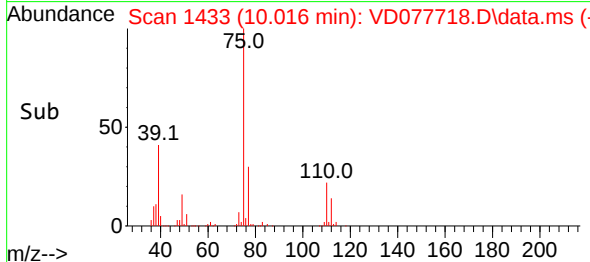
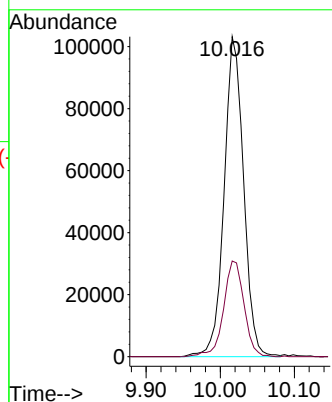
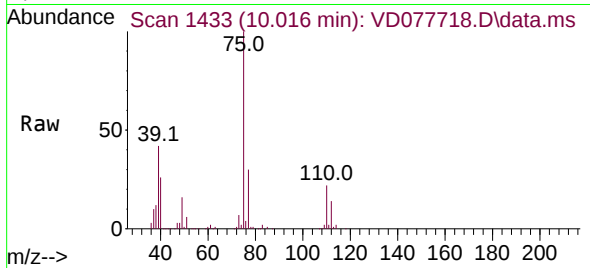




#39
 cis-1,3-Dichloropropene
 Concen: 23.945 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077718.D
 Acq: 01 Dec 2023 08:51

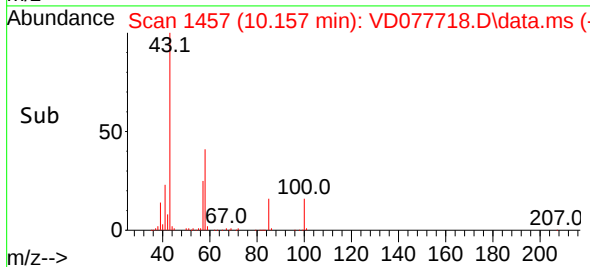
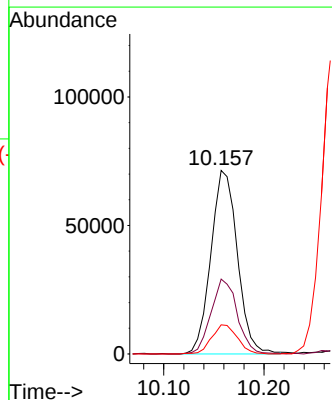
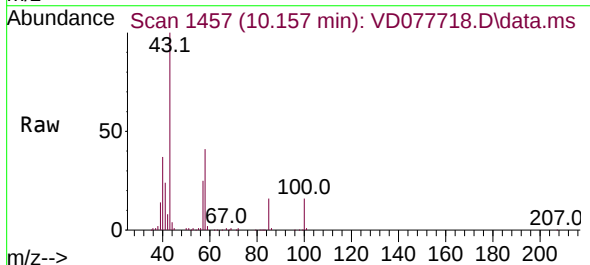
Instrument :
 MSVOA_D
 ClientSampleId :

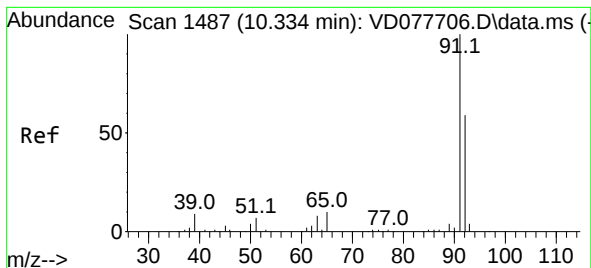
Tgt Ion: 75 Resp: 188377
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 47.237 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.006 min
 Lab File: VD077718.D
 Acq: 01 Dec 2023 08:51

Tgt Ion: 43 Resp: 131317
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.0 46.4
 100 15.4 11.9 17.9





#42

Toluene

Concen: 23.658 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

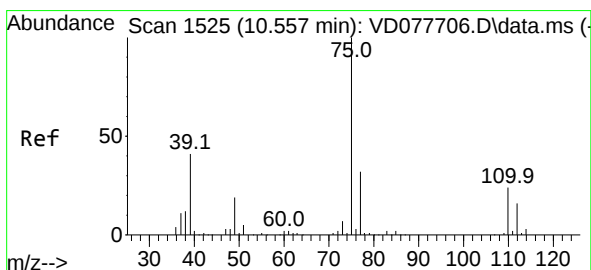
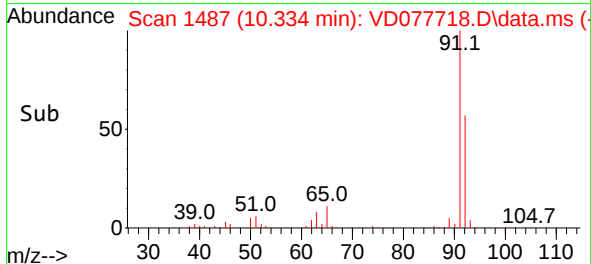
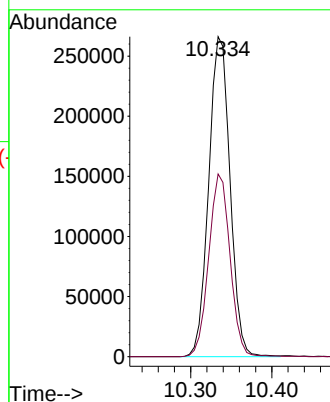
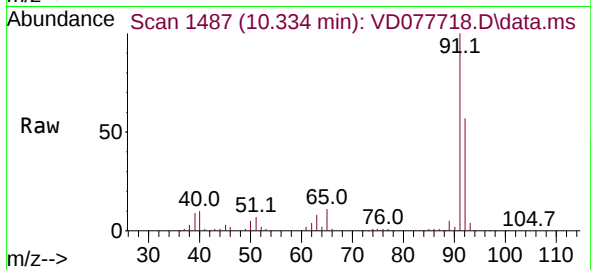
ClientSampleId :

Tgt Ion: 91 Resp: 485529

Ion Ratio Lower Upper

91 100

92 57.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 23.461 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD077718.D

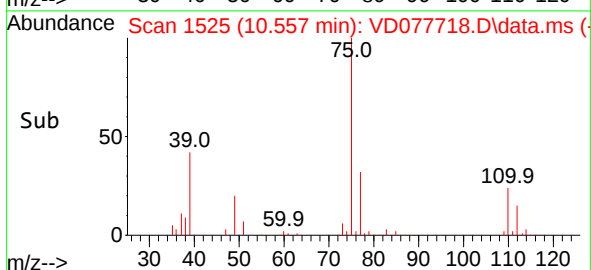
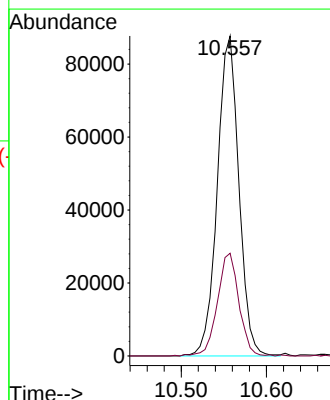
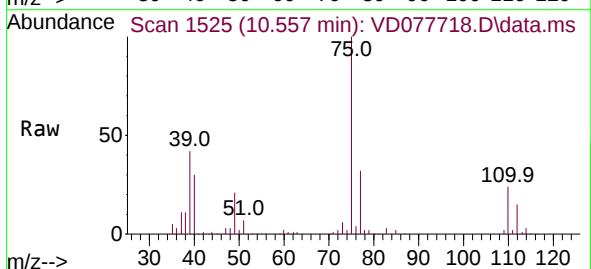
Acq: 01 Dec 2023 08:51

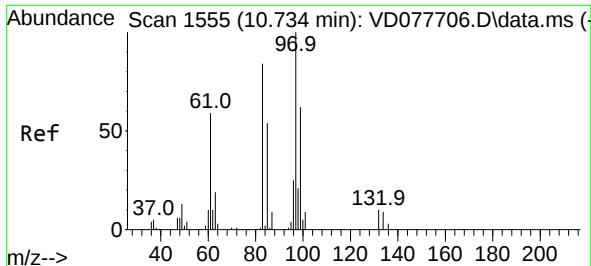
Tgt Ion: 75 Resp: 154161

Ion Ratio Lower Upper

75 100

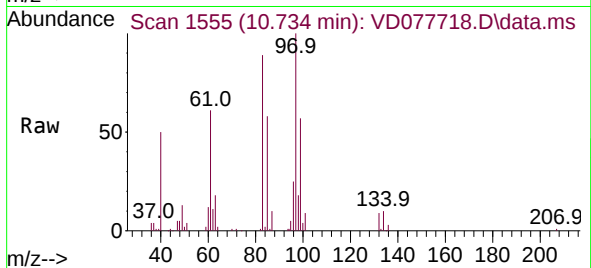
77 32.1 22.0 40.8



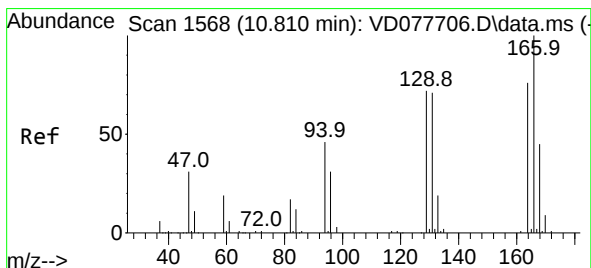
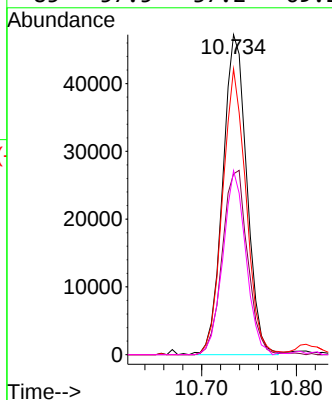
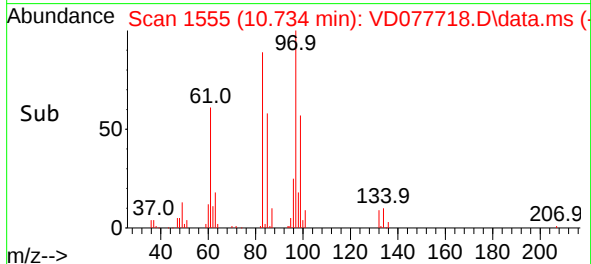


#45
1,1,2-Trichloroethane
Concen: 24.622 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

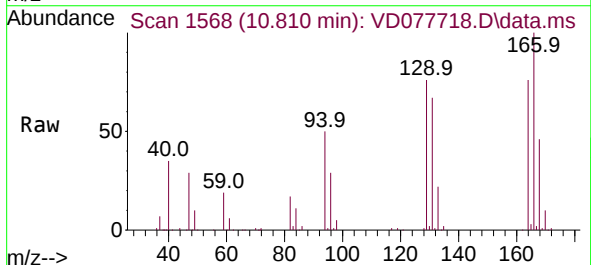
Instrument :
MSVOA_D
ClientSampleId :



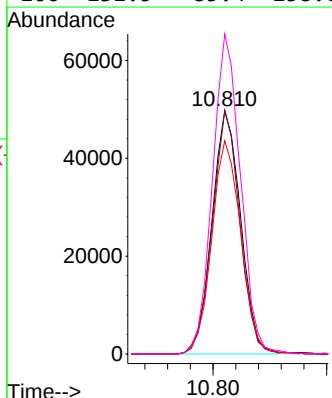
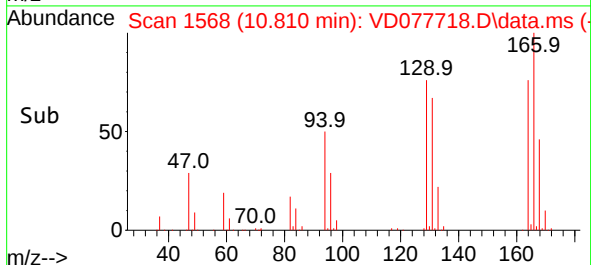
Tgt Ion: 97	Resp: 83305
Ion Ratio	Lower Upper
97 100	
99 56.5	41.7 77.5
83 89.3	63.6 118.2
85 57.5	37.2 69.2

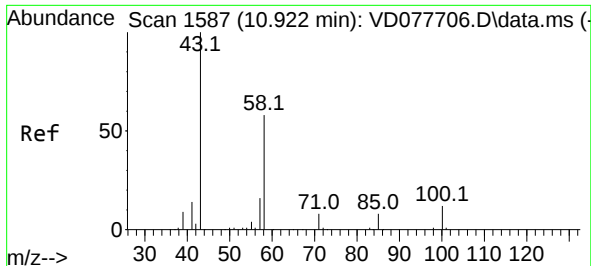


#46
Tetrachloroethene
Concen: 22.465 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51



Tgt	Ion:164	Resp:	86887
Ion	Ratio	Lower	Upper
164	100		
129	100.0	61.5	114.3
131	87.6	59.1	109.9
166	131.5	85.4	158.6

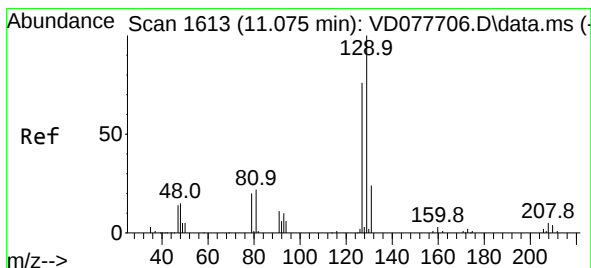
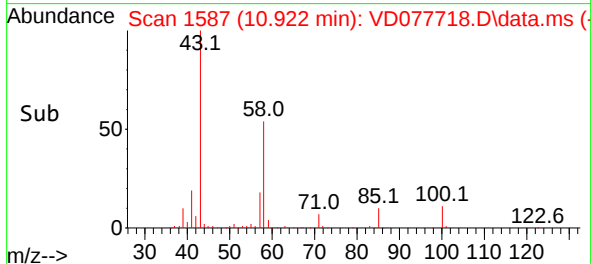
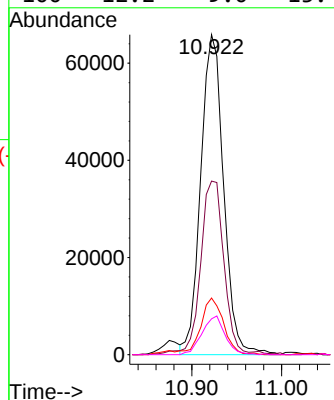
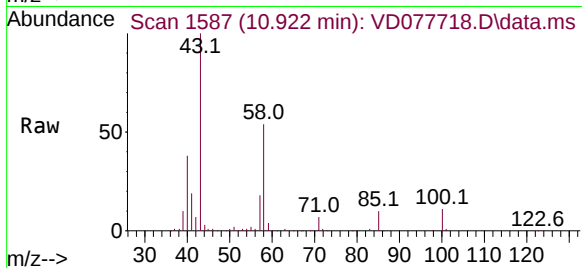




#48
2-Hexanone
Concen: 49.422 ug/L
RT: 10.922 min Scan# 116781
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

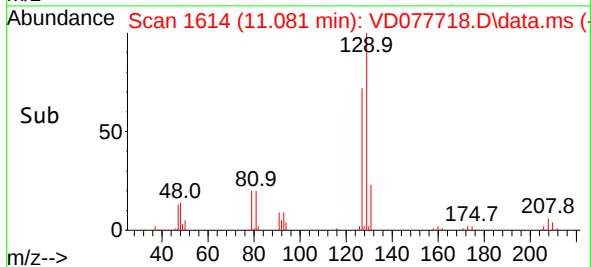
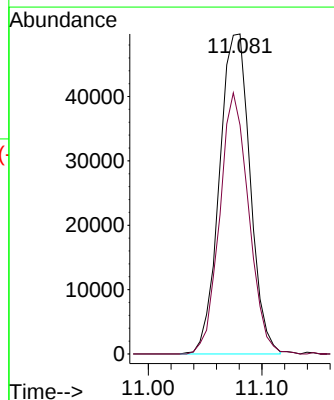
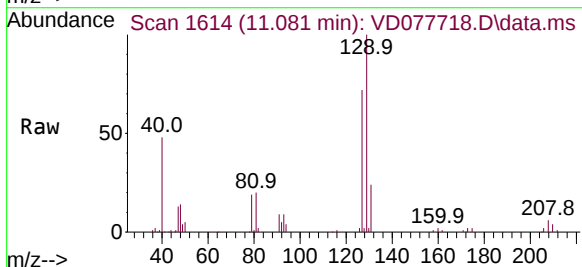
Instrument :
MSVOA_D
ClientSampleId :

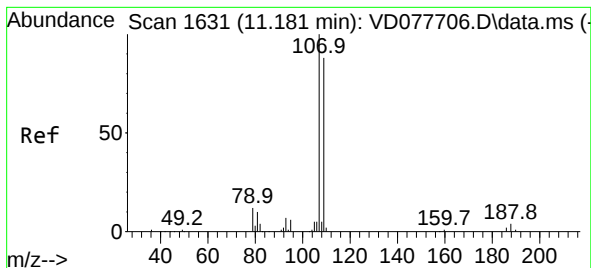
Tgt Ion: 43	Resp: 116781
Ion Ratio	Lower Upper
43 100	
58 55.1	43.0 64.6
57 17.1	13.8 20.8
100 12.2	9.0 13.4



#49
Dibromochloromethane
Concen: 23.261 ug/L
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion:129	Resp: 93578		
Ion Ratio	Lower	Upper	
129 100			
127 71.5	52.8	98.2	





#50

1,2-Dibromoethane

Concen: 23.458 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077718.D

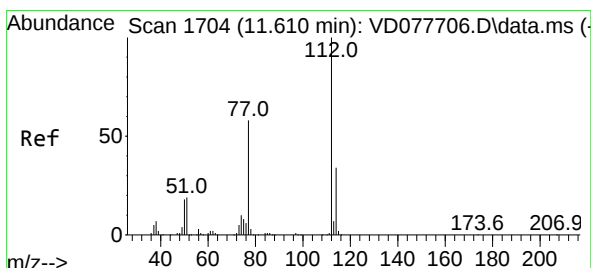
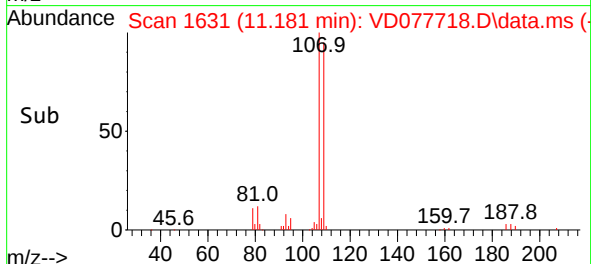
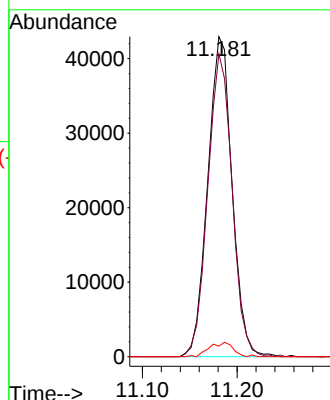
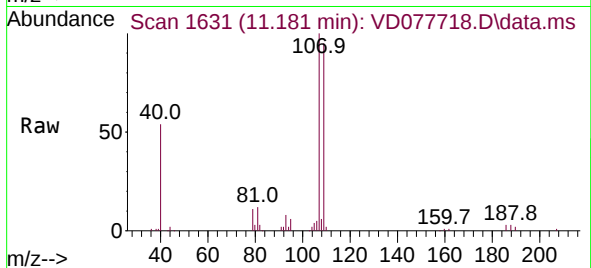
Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	107	Resp:	76543
Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.2	119.2
188	3.3	2.3	3.5



#51

Chlorobenzene

Concen: 23.671 ug/L

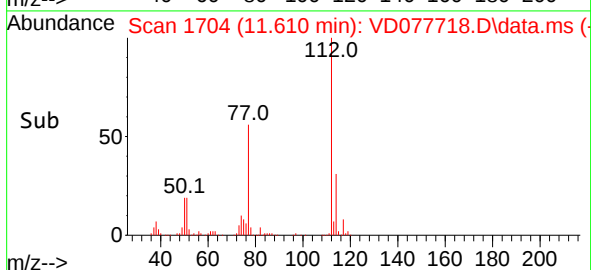
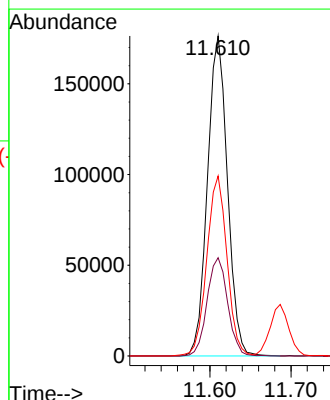
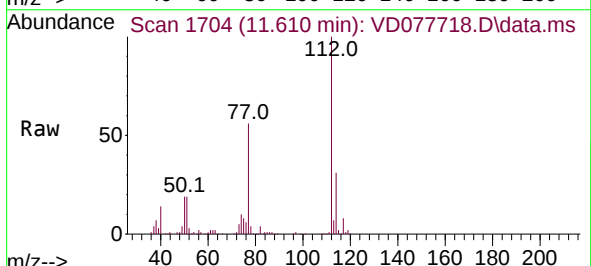
RT: 11.610 min Scan# 1704

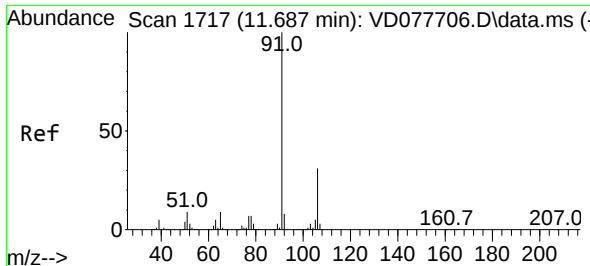
Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Tgt Ion:	112	Resp:	301226
Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.5	41.9
77	56.3	46.4	69.6

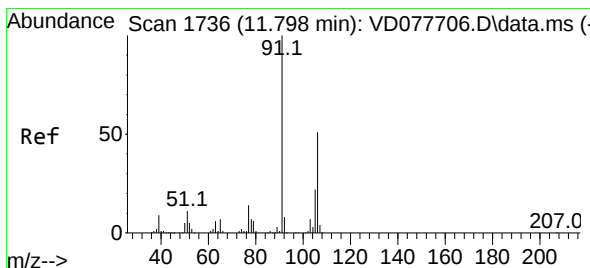
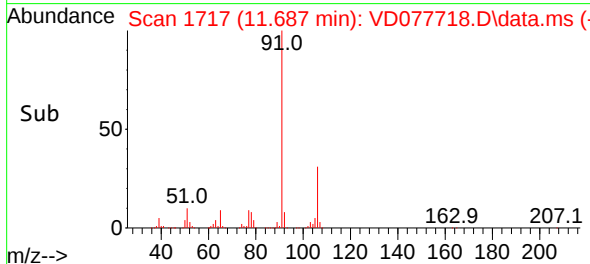
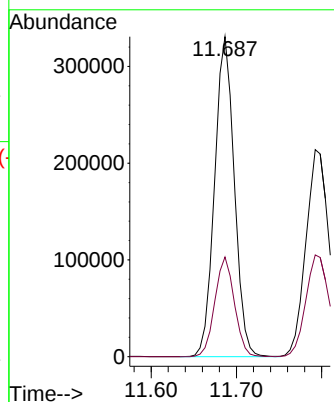
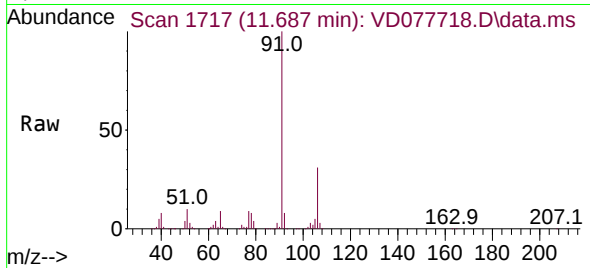




#52
Ethylbenzene
Concen: 23.343 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

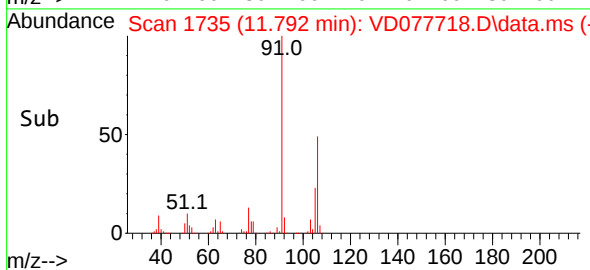
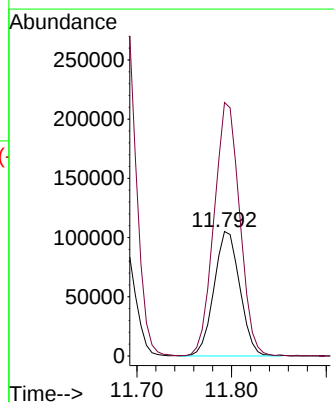
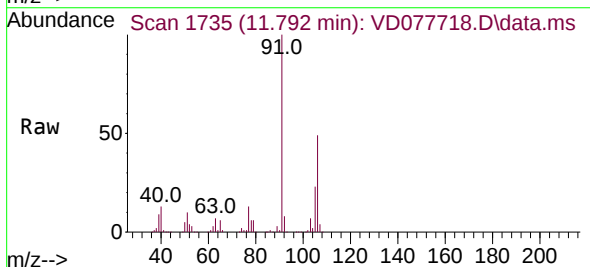
Instrument :
MSVOA_D
ClientSampleId :

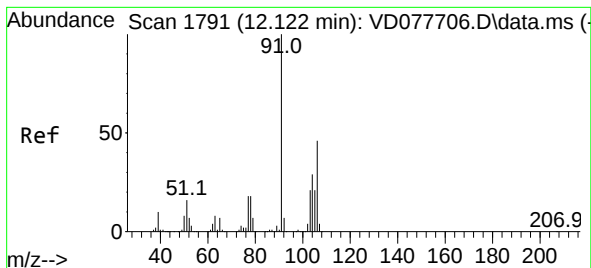
Tgt Ion: 91 Resp: 531074
Ion Ratio Lower Upper
91 100
106 31.2 22.4 41.6



#53
m,p-Xylene
Concen: 23.154 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion:106 Resp: 199043
Ion Ratio Lower Upper
106 100
91 203.5 140.8 261.6





#54

o-Xylene

Concen: 24.112 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

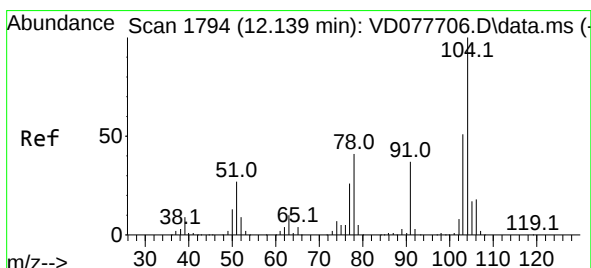
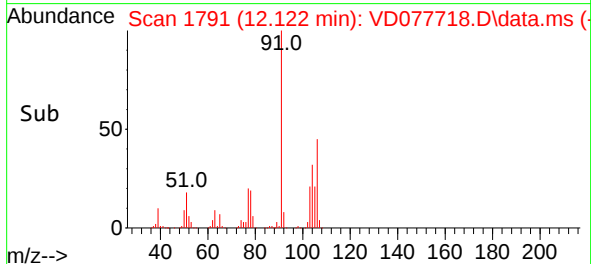
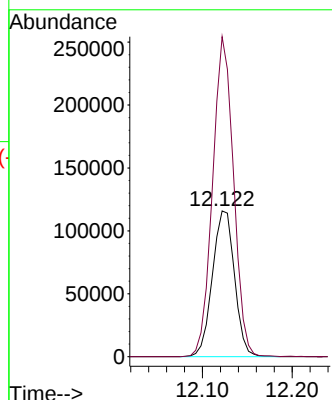
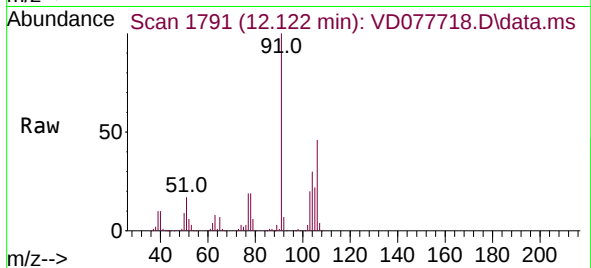
ClientSampleId :

Tgt Ion:106 Resp: 198373

Ion Ratio Lower Upper

106 100

91 219.5 152.2 282.7



#55

Styrene

Concen: 24.060 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD077718.D

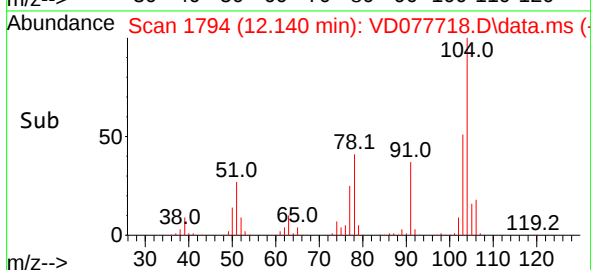
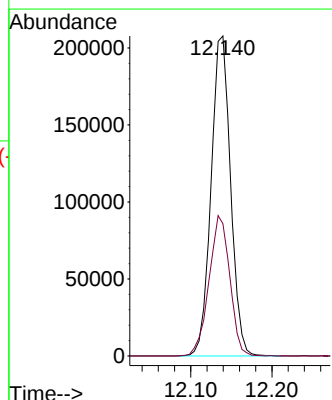
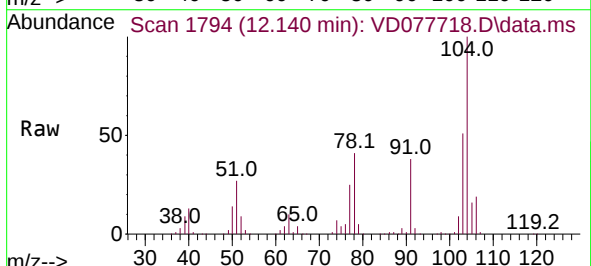
Acq: 01 Dec 2023 08:51

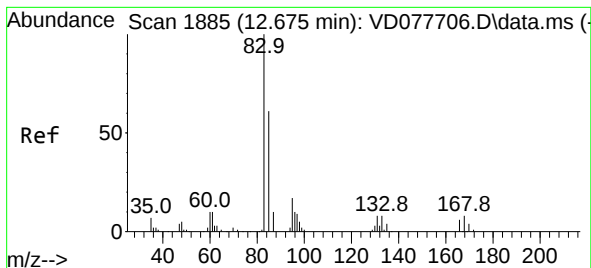
Tgt Ion:104 Resp: 346370

Ion Ratio Lower Upper

104 100

78 41.3 30.9 57.5

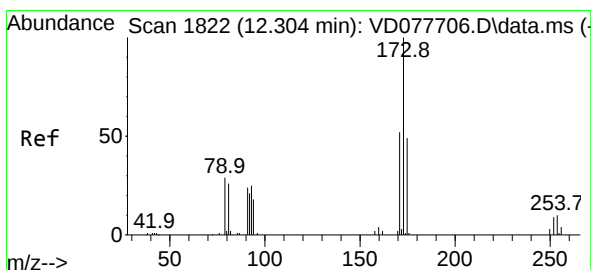
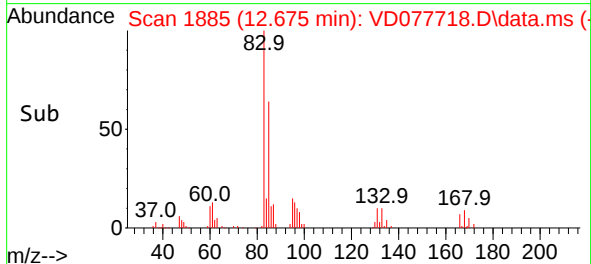
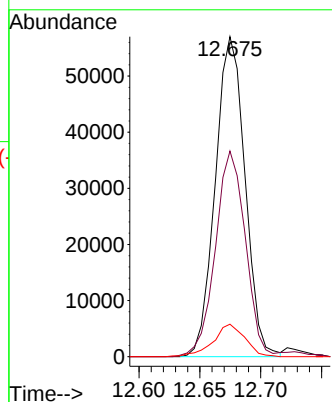
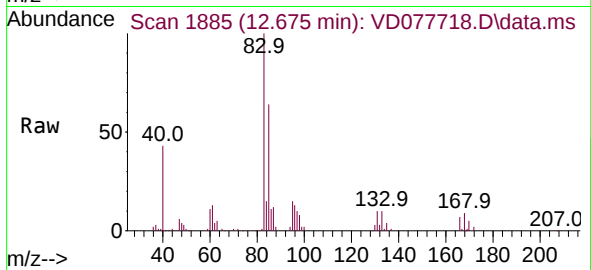




#57
1,1,2,2-Tetrachloroethane
Concen: 24.148 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

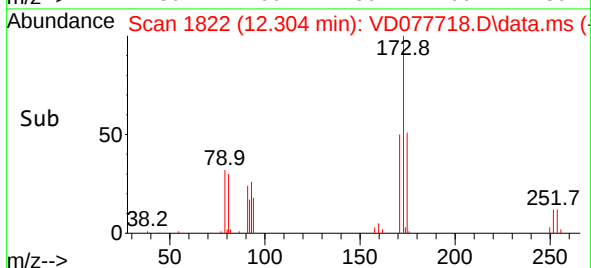
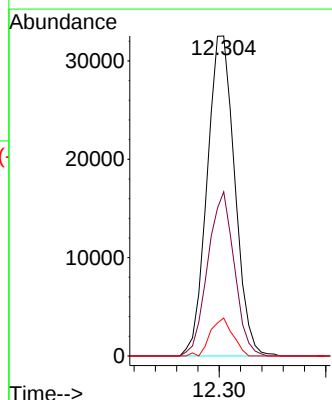
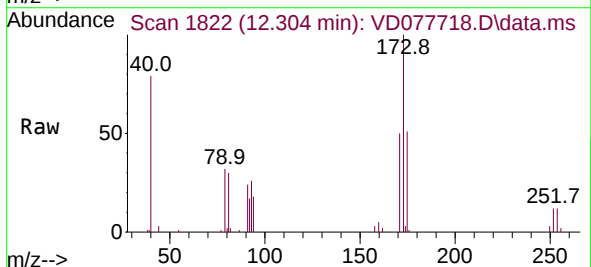
Instrument :
MSVOA_D
ClientSampleId :

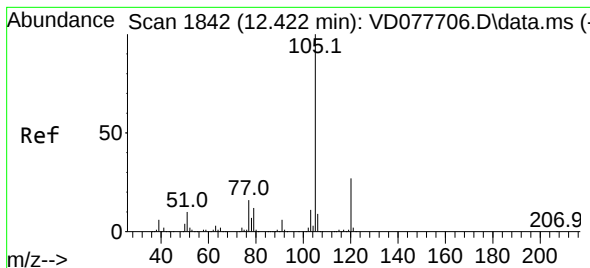
Tgt Ion: 83 Resp: 96808
Ion Ratio Lower Upper
83 100
85 64.2 43.3 80.5
131 10.2 7.3 10.9



#59
Bromoform
Concen: 23.897 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion:173 Resp: 58780
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 9.4 1.8 2.8





#60

Isopropylbenzene

Concen: 23.900 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :

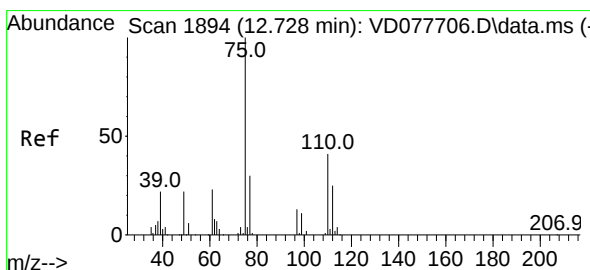
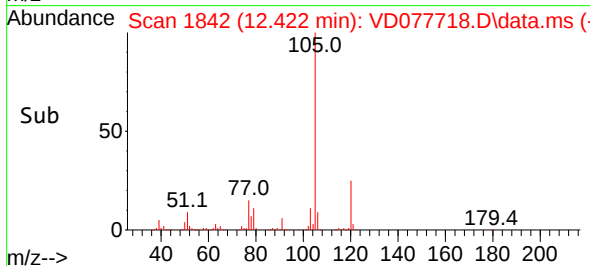
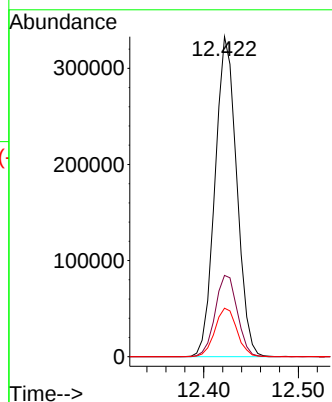
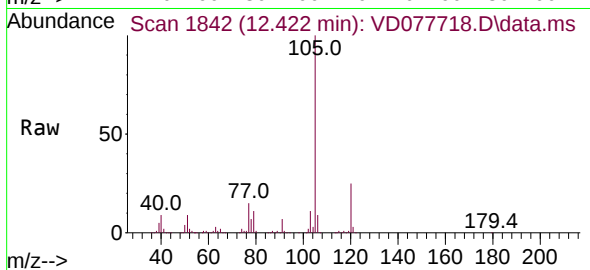
Tgt Ion:105 Resp: 530302

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

77 15.4 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 23.798 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

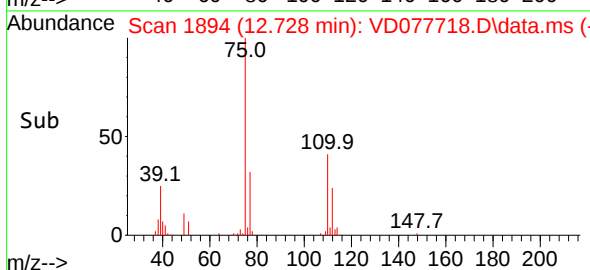
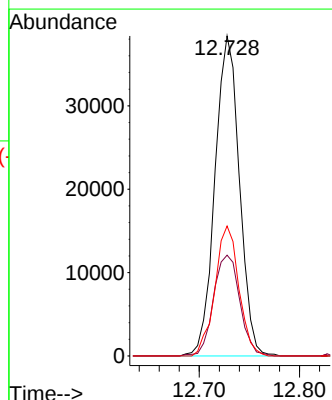
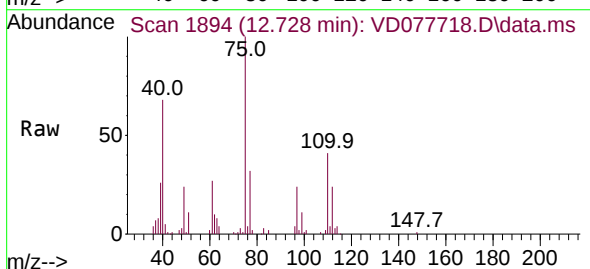
Tgt Ion: 75 Resp: 65074

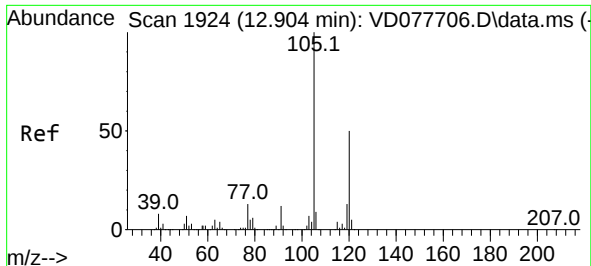
Ion Ratio Lower Upper

75 100

77 33.6 26.8 40.2

110 39.6 33.4 50.2





#62

1,3,5-Trimethylbenzene

Concen: 23.240 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

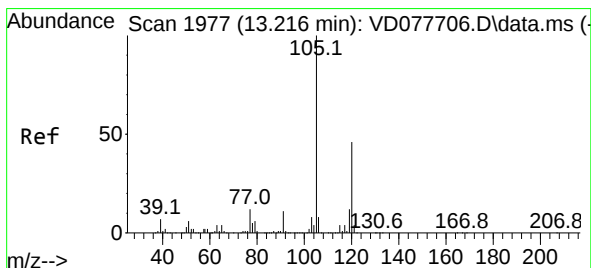
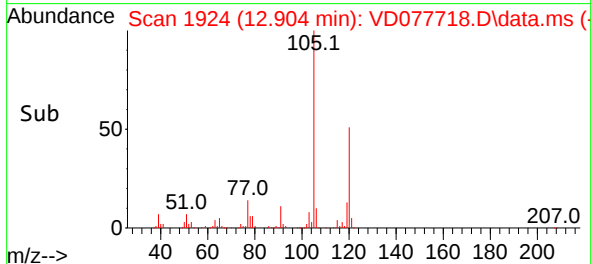
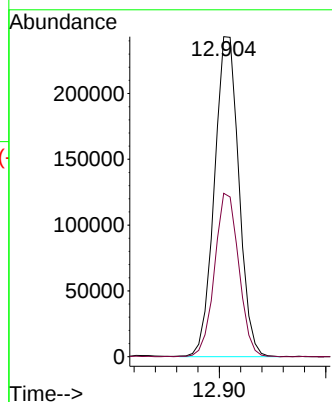
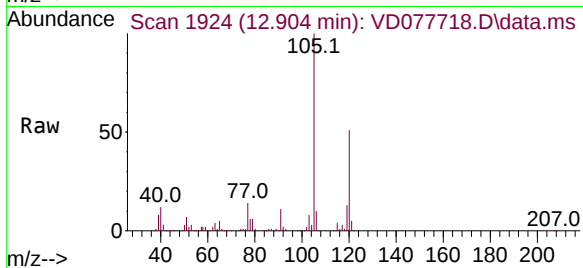
ClientSampleId :

Tgt Ion:105 Resp: 387298

Ion Ratio Lower Upper

105 100

120 50.6 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 23.921 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD077718.D

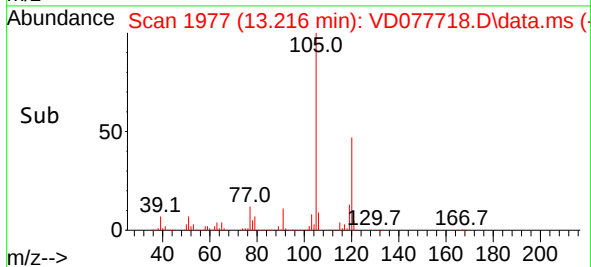
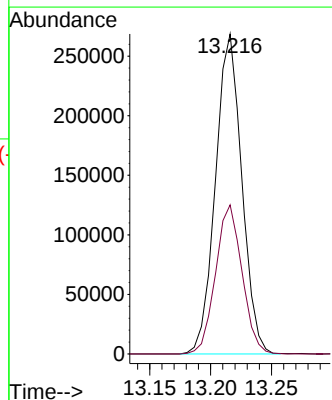
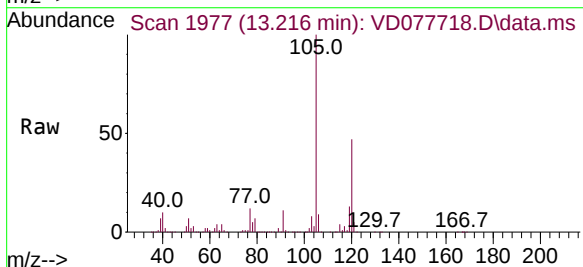
Acq: 01 Dec 2023 08:51

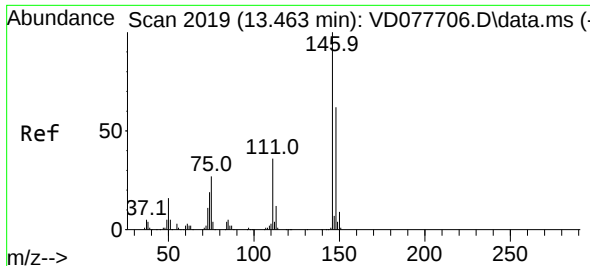
Tgt Ion:105 Resp: 404205

Ion Ratio Lower Upper

105 100

120 46.8 37.1 55.7

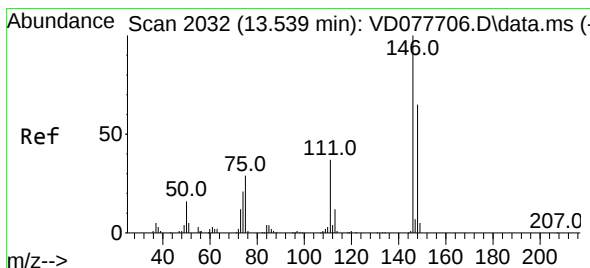
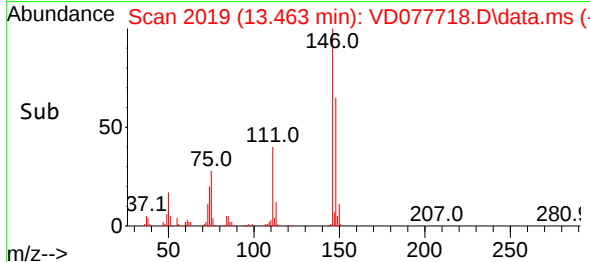
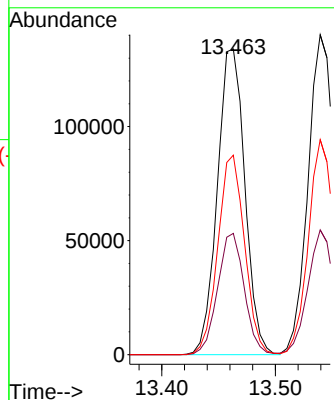
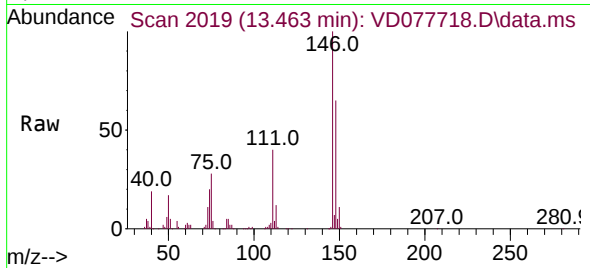




#64
1,3-Dichlorobenzene
Concen: 23.576 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

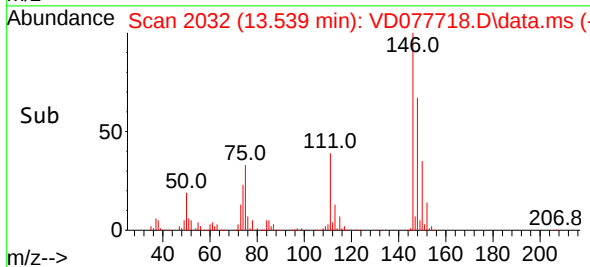
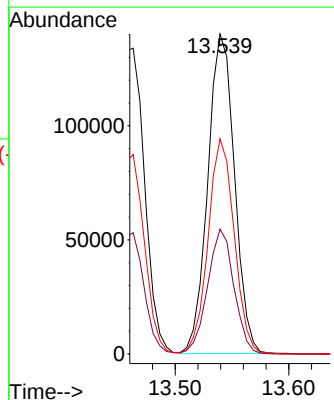
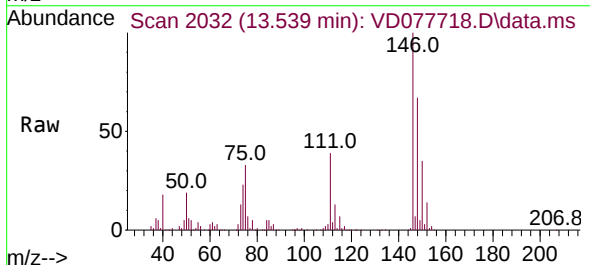
Instrument :
MSVOA_D
ClientSampleId :

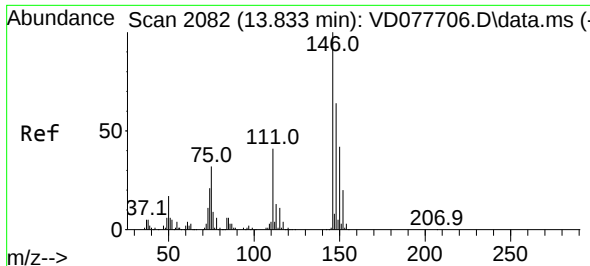
Tgt Ion:146 Resp: 226236
Ion Ratio Lower Upper
146 100
111 39.7 26.6 49.4
148 65.3 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 23.017 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077718.D
Acq: 01 Dec 2023 08:51

Tgt Ion:146 Resp: 229189
Ion Ratio Lower Upper
146 100
111 39.0 26.4 49.0
148 67.2 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 23.693 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :

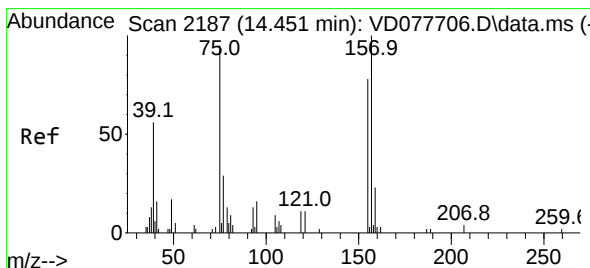
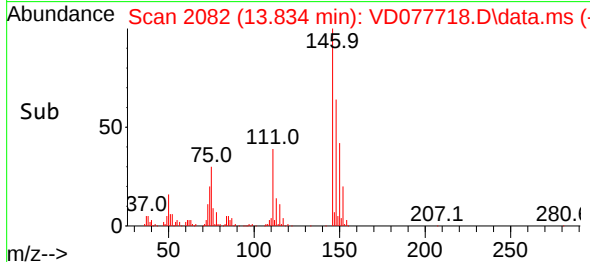
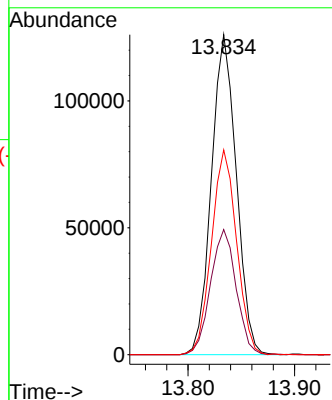
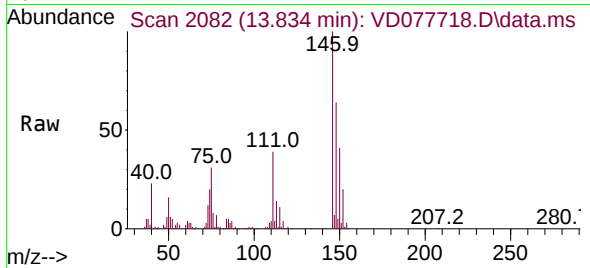
Tgt Ion:146 Resp: 204582

Ion Ratio Lower Upper

146 100

111 39.1 31.4 47.2

148 64.0 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 22.217 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

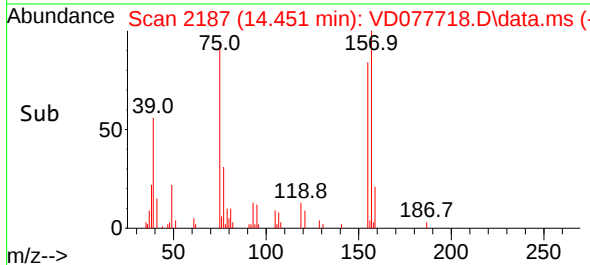
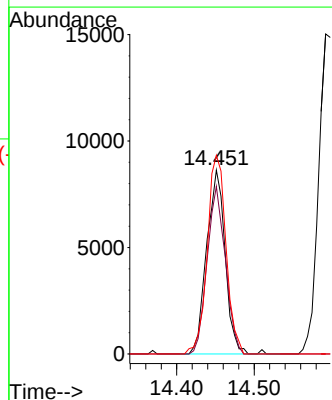
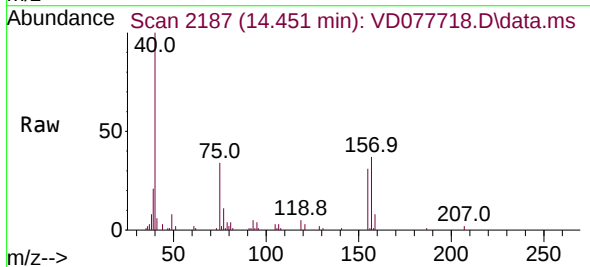
Tgt Ion: 75 Resp: 14325

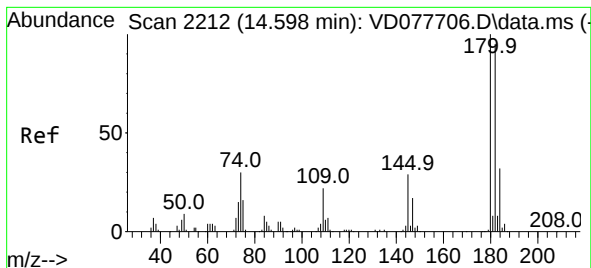
Ion Ratio Lower Upper

75 100

155 91.1 69.2 103.8

157 108.1 86.6 130.0





#69

1,3,5-Trichlorobenzene

Concen: 23.373 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

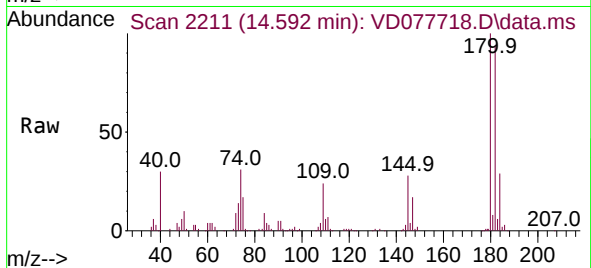
Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 152724

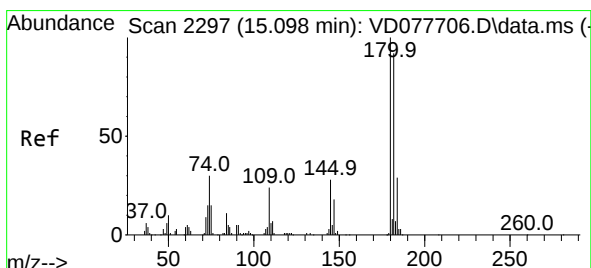
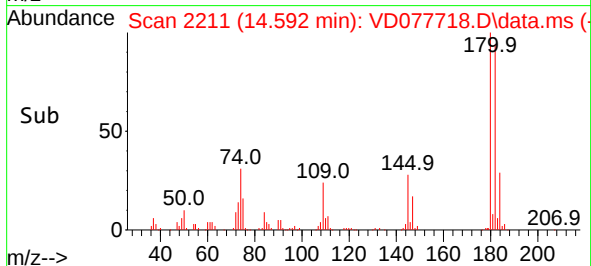
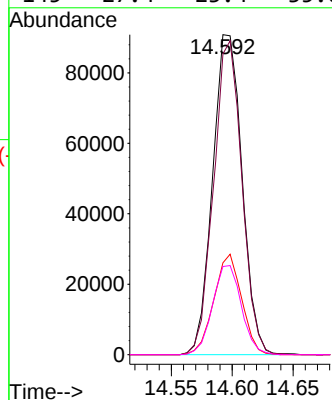
Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.4

184 29.7 24.3 36.5

145 27.4 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 23.172 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

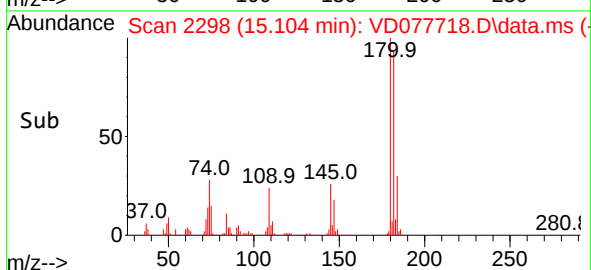
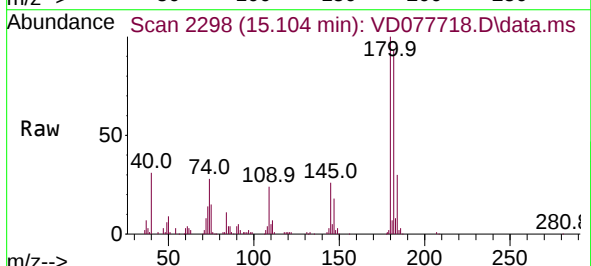
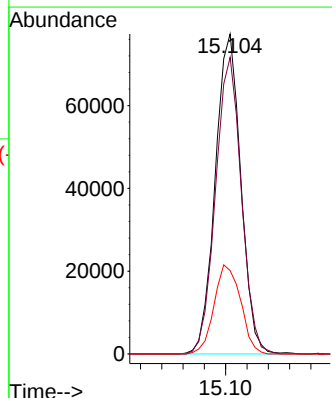
Tgt Ion:180 Resp: 128541

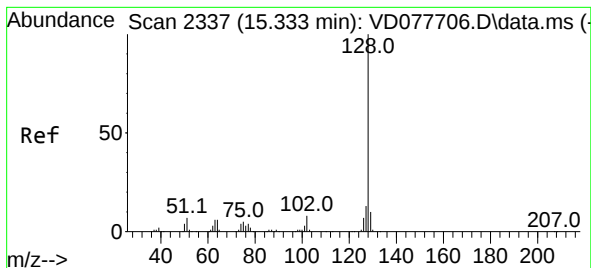
Ion Ratio Lower Upper

180 100

182 93.6 77.0 115.6

145 28.9 23.9 35.9





#71

Naphthalene

Concen: 23.736 ug/L

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Instrument :

MSVOA_D

ClientSampleId :

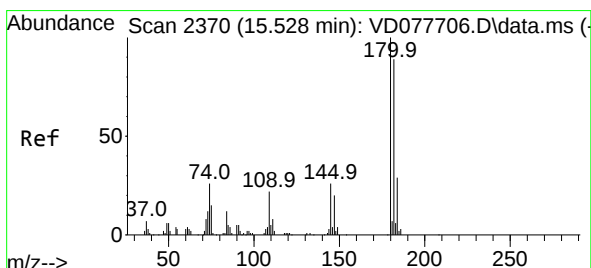
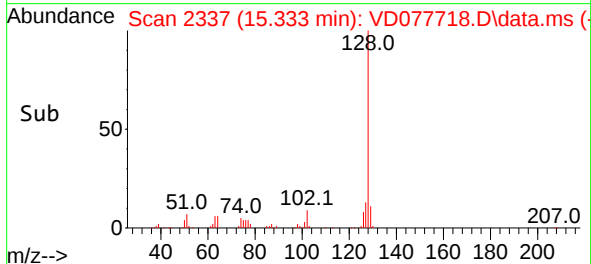
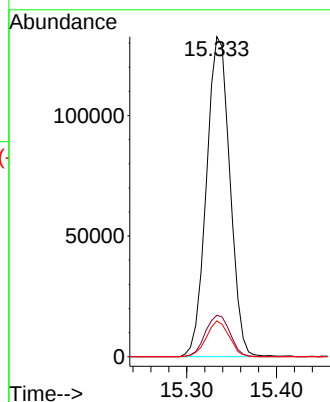
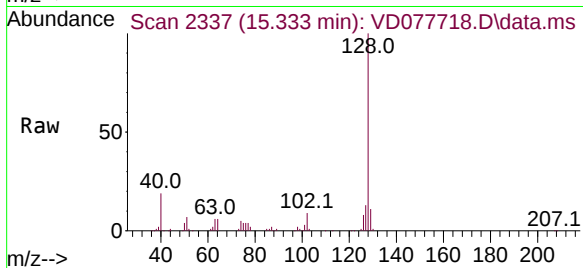
Tgt Ion:128 Resp: 240715

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 23.011 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD077718.D

Acq: 01 Dec 2023 08:51

Tgt Ion:180 Resp: 111900

Ion Ratio Lower Upper

180 100

182 96.0 77.3 115.9

145 30.8 25.2 37.8

