

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121224\
 Data File : VD080143.D
 Acq On : 12 Dec 2024 12:35
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 13 01:53:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:57:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	243499	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	231848	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	126270	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	117286	30.222	ug/L	0.00
Spiked Amount 25.000	Range	30 - 150	Recovery	=	120.880%	
7) Chloroethane-d5	2.799	69	102274	29.554	ug/L	0.00
Spiked Amount 25.000	Range	30 - 150	Recovery	=	118.200%	
11) 1,1-Dichloroethene-d2	3.916	65	31474	21.129	ug/L	0.00
Spiked Amount 25.000	Range	45 - 110	Recovery	=	84.520%	
21) 2-Butanone-d5	7.063	46	951	1.097	ug/L	0.08
Spiked Amount 50.000	Range	20 - 135	Recovery	=	2.200%#	
24) Chloroform-d	7.563	84	155987	23.202	ug/L	0.00
Spiked Amount 25.000	Range	40 - 150	Recovery	=	92.800%	
26) 1,2-Dichloroethane-d4	8.234	65	83659	23.514	ug/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	94.040%	
32) Benzene-d6	8.199	84	317621	23.055	ug/L	0.00
Spiked Amount 25.000	Range	20 - 135	Recovery	=	92.200%	
36) 1,2-Dichloropropane-d6	9.204	67	103243	22.071	ug/L	0.00
Spiked Amount 25.000	Range	70 - 120	Recovery	=	88.280%	
41) Toluene-d8	10.269	98	297249	22.838	ug/L	0.00
Spiked Amount 25.000	Range	30 - 130	Recovery	=	91.360%	
43) trans-1,3-Dichloroprop...	10.522	79	40635	21.216	ug/L	0.00
Spiked Amount 25.000	Range	30 - 135	Recovery	=	84.880%	
47) 2-Hexanone-d5	10.875	63	29340	41.472	ug/L	0.00
Spiked Amount 50.000	Range	20 - 135	Recovery	=	82.940%	
56) 1,1,2,2-Tetrachloroeth...	12.645	84	86533	21.617	ug/L	0.00
Spiked Amount 25.000	Range	45 - 120	Recovery	=	86.480%	
66) 1,2-Dichlorobenzene-d4	13.816	152	103271	22.652	ug/L	0.00
Spiked Amount 25.000	Range	75 - 120	Recovery	=	90.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	108012	24.064	ug/L	99
3) Chloromethane	2.152	50	120467	34.150	ug/L	99
5) Vinyl chloride	2.281	62	162726	33.365	ug/L	98
6) Bromomethane	2.693	94	93681	28.822	ug/L	97
8) Chloroethane	2.834	64	100290	30.847	ug/L	97
9) Trichlorofluoromethane	3.169	101	157087	22.072	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	91859	21.777	ug/L	99
12) 1,1-Dichloroethene	3.940	96	78858	21.417	ug/L	91
13) Acetone	4.022	43	53017	36.099	ug/L	99
14) Carbon disulfide	4.269	76	283385	23.723	ug/L	99
15) Methyl Acetate	4.563	43	34242	19.787	ug/L	96
16) Methylene chloride	4.805	84	95947	22.937	ug/L	94
17) trans-1,2-Dichloroethene	5.310	96	87795	23.551	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	168612	21.026	ug/L #	99
19) 1,1-Dichloroethane	6.110	63	164597	23.151	ug/L	95
20) cis-1,2-Dichloroethene	7.081	96	96411	24.065	ug/L	94
22) 2-Butanone	7.081	43	55693	38.353	ug/L	98
23) Bromochloromethane	7.422	128	45099	23.096	ug/L	95
25) Chloroform	7.593	83	187726	23.353	ug/L	99

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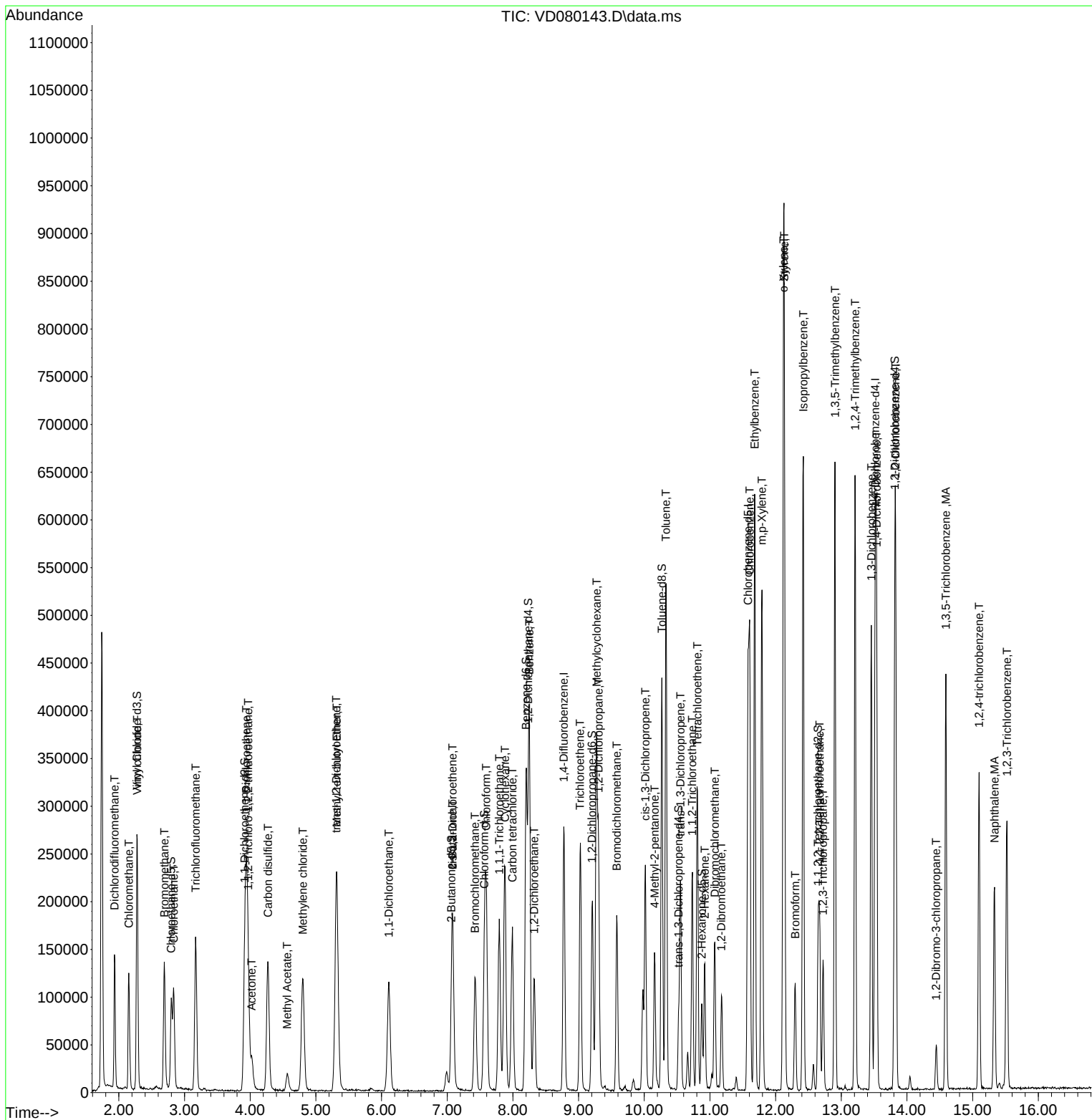
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 ClientSampleId :

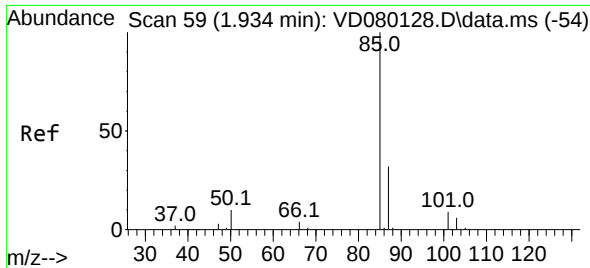
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 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:57:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	105322	22.910	ug/L	97
29) Cyclohexane	7.881	56	126620	22.945	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	143180	21.325	ug/L	98
31) Carbon tetrachloride	7.993	117	126041	22.649	ug/L	100
33) Benzene	8.251	78	375507	22.424	ug/L	100
34) Trichloroethene	9.022	95	95431	20.968	ug/L	90
35) Methylcyclohexane	9.275	83	144854	22.707	ug/L	99
37) 1,2-Dichloropropane	9.304	63	99586	20.756	ug/L	100
38) Bromodichloromethane	9.581	83	126226	20.866	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	143206	20.915	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	95744	36.090	ug/L	98
42) Toluene	10.328	91	411924	22.674	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	123717	21.934	ug/L	96
45) 1,1,2-Trichloroethane	10.728	97	71267	20.653	ug/L	97
46) Tetrachloroethene	10.810	164	76030	24.121	ug/L	90
48) 2-Hexanone	10.922	43	85624	39.513	ug/L	95
49) Dibromochloromethane	11.075	129	84801	22.639	ug/L	100
50) 1,2-Dibromoethane	11.175	107	66268	21.659	ug/L	97
51) Chlorobenzene	11.604	112	250761	23.062	ug/L	99
52) Ethylbenzene	11.681	91	441841	24.492	ug/L	96
53) m,p-Xylene	11.792	106	170608	24.735	ug/L	93
54) o-Xylene	12.122	106	158824	24.001	ug/L	93
55) Styrene	12.134	104	288218	24.063	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	86641	19.707	ug/L	96
59) Bromoform	12.298	173	52362	21.559	ug/L	100
60) Isopropylbenzene	12.422	105	427458	23.784	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	58229	19.520	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	337877	22.549	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	338405	23.737	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	204683	23.413	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	209090	22.186	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	179550	21.269	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	12650	20.144	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	135709	22.472	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	107534	22.275	ug/L	99
71) Naphthalene	15.333	128	187960	20.494	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	101843	20.962	ug/L	96

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

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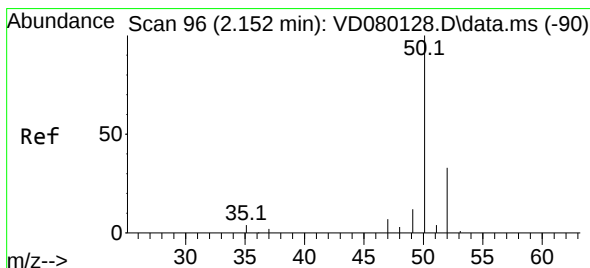
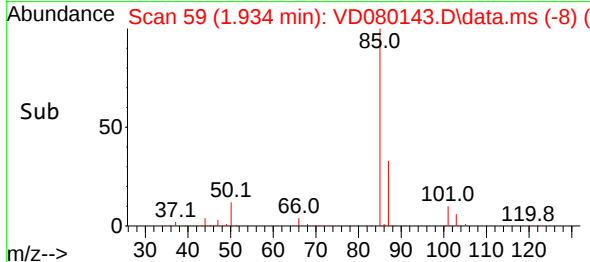
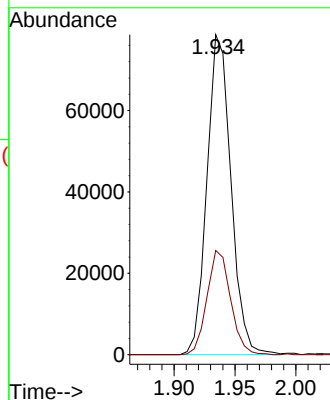
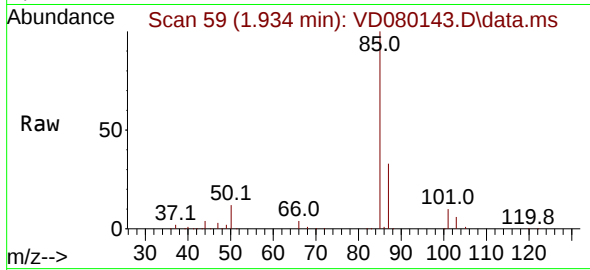




#2
 Dichlorodifluoromethane
 Concen: 24.064 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

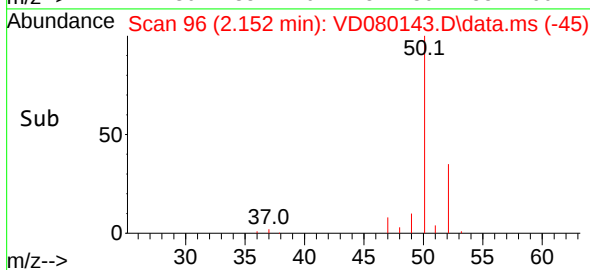
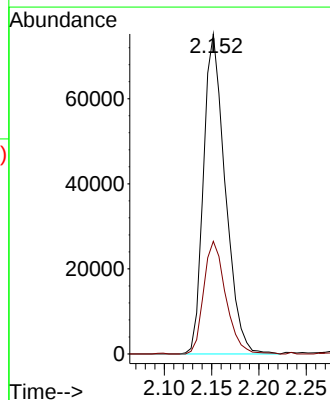
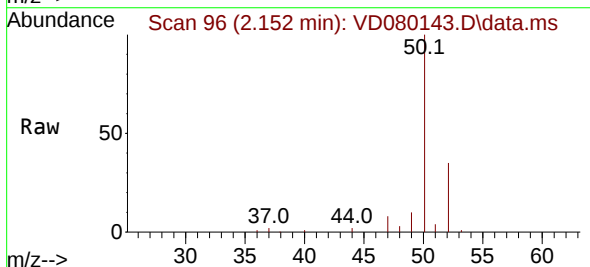
Instrument :
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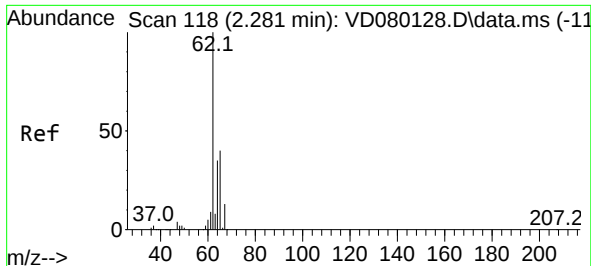
Tgt Ion: 85 Resp: 108012
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.2 39.2



#3
 Chloromethane
 Concen: 34.150 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

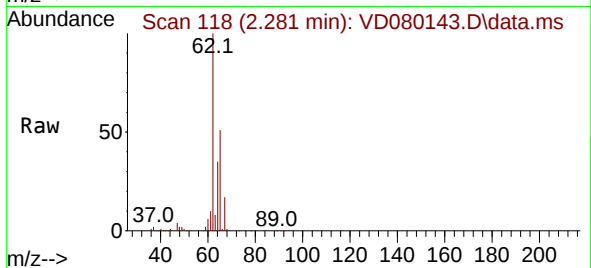
Tgt Ion: 50 Resp: 120467
 Ion Ratio Lower Upper
 50 100
 52 35.2 25.1 46.7



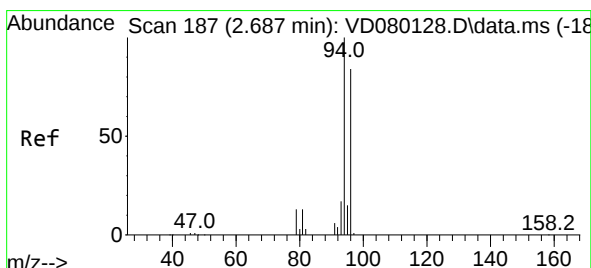
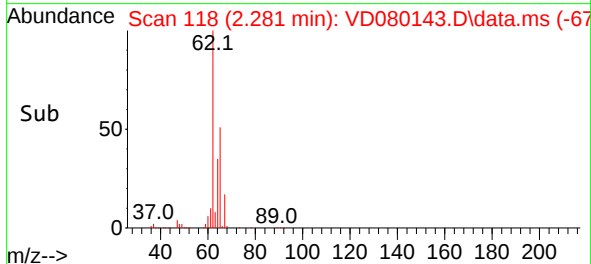
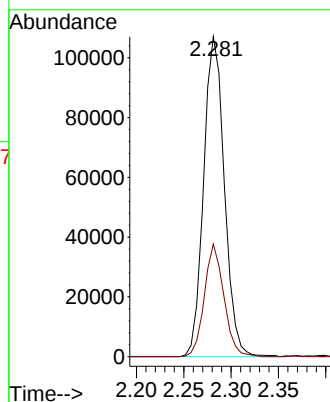


#5
 Vinyl chloride
 Concen: 33.365 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

Instrument :
 MSVOA_D
 ClientSampleId :

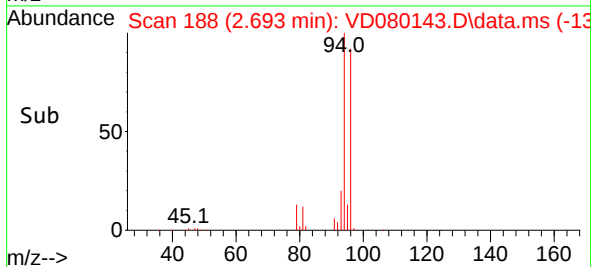
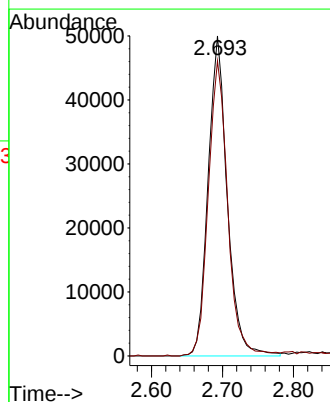
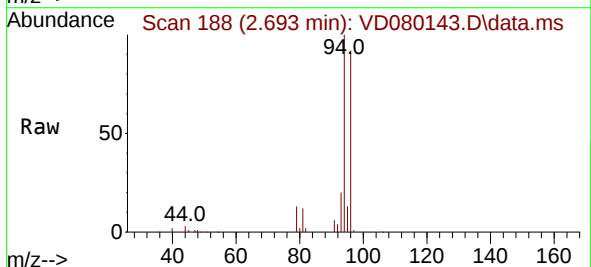


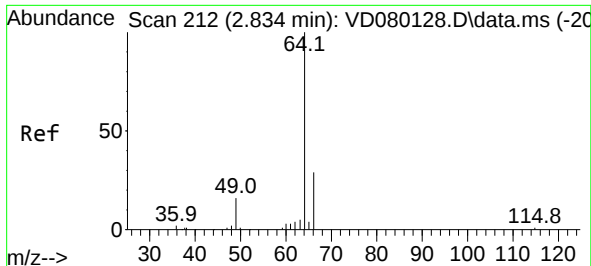
Tgt Ion: 62 Resp: 162726
 Ion Ratio Lower Upper
 62 100
 64 35.2 24.0 44.6



#6
 Bromomethane
 Concen: 28.822 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

Tgt Ion: 94 Resp: 93681
 Ion Ratio Lower Upper
 94 100
 96 92.2 66.8 124.0

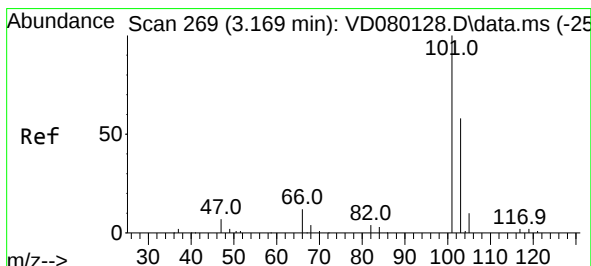
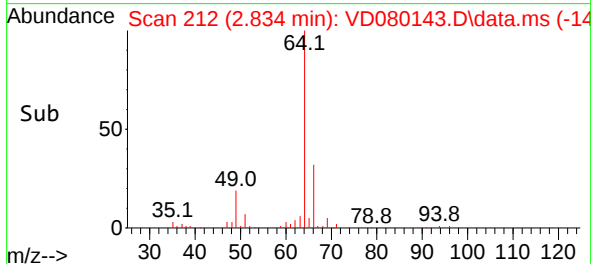
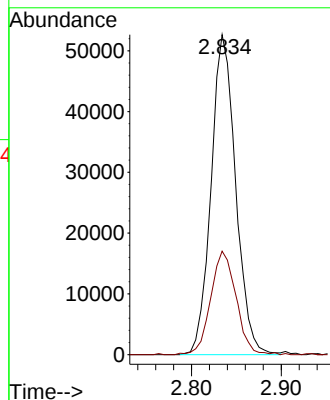
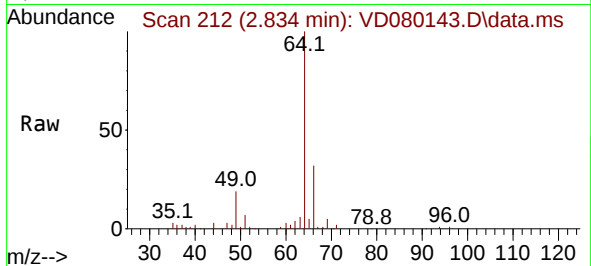




#8
Chloroethane
Concen: 30.847 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

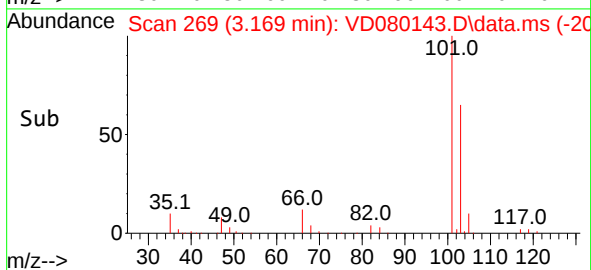
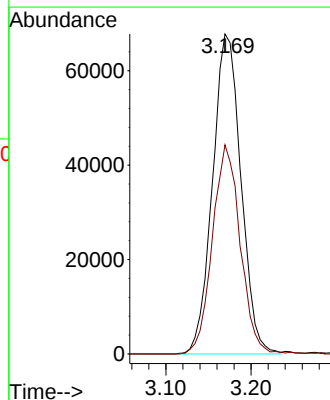
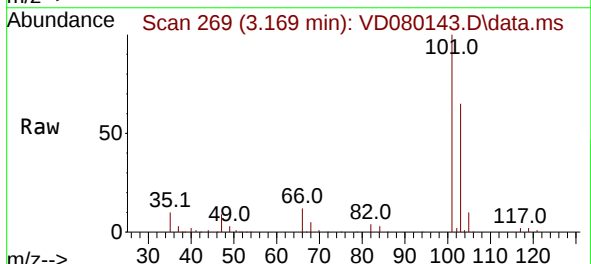
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ClientSampleId :

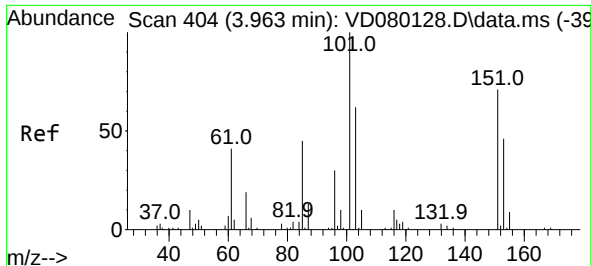
Tgt Ion: 64 Resp: 100290
Ion Ratio Lower Upper
64 100
66 32.4 21.3 39.6



#9
Trichlorofluoromethane
Concen: 22.072 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:101 Resp: 157087
Ion Ratio Lower Upper
101 100
103 63.5 52.5 78.7

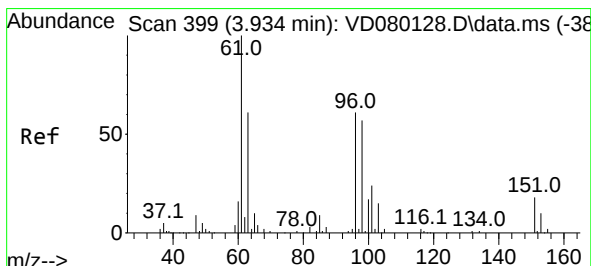
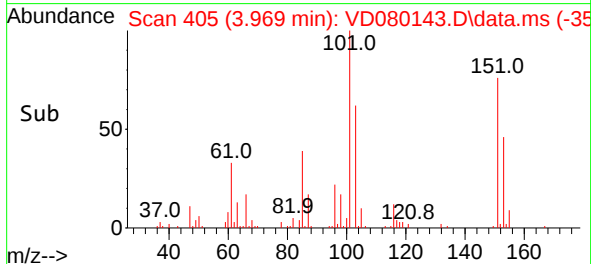
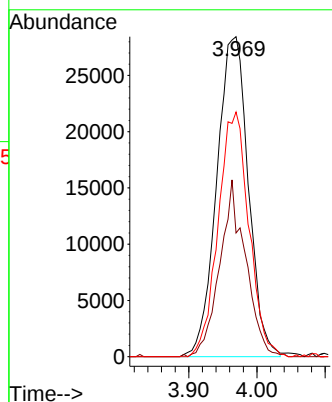
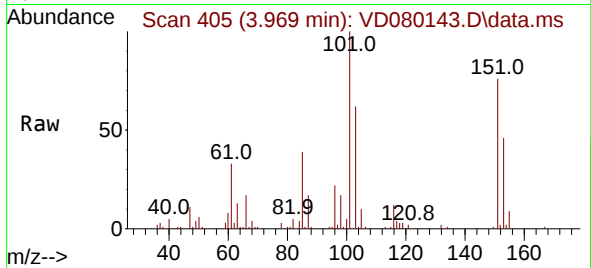




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.777 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.006 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

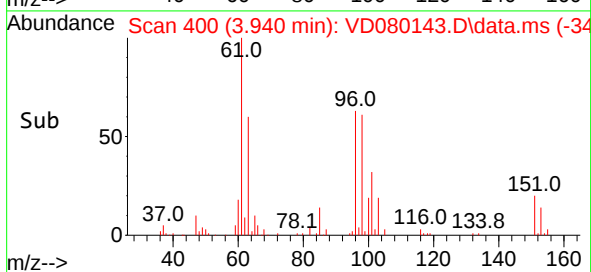
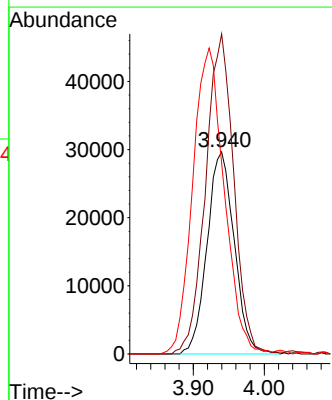
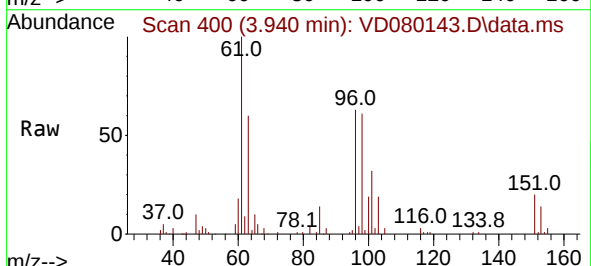
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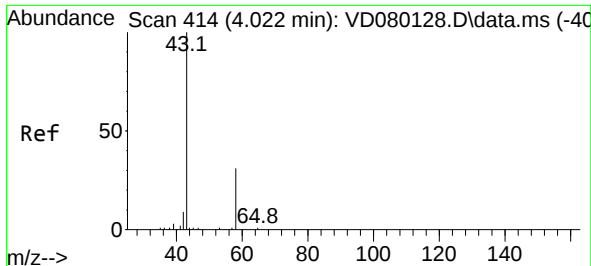
Tgt Ion: 101 Resp: 91859
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.8 53.6
 151 74.3 59.8 89.6



#12
 1,1-Dichloroethene
 Concen: 21.417 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.006 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

Tgt Ion: 96 Resp: 78858
 Ion Ratio Lower Upper
 96 100
 61 158.4 113.8 211.3
 63 94.5 78.5 145.7





#13

Acetone

Concen: 36.099 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

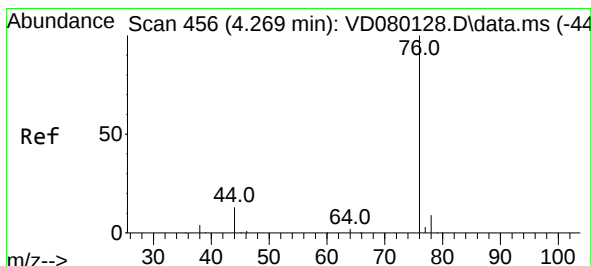
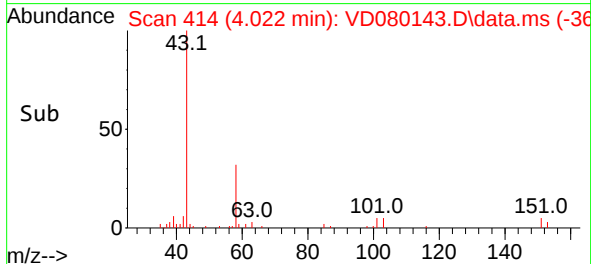
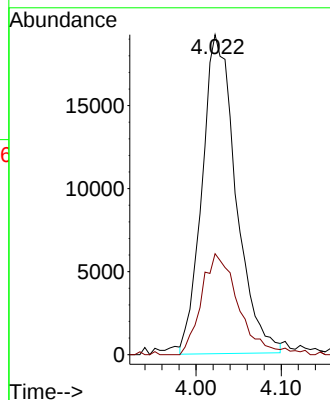
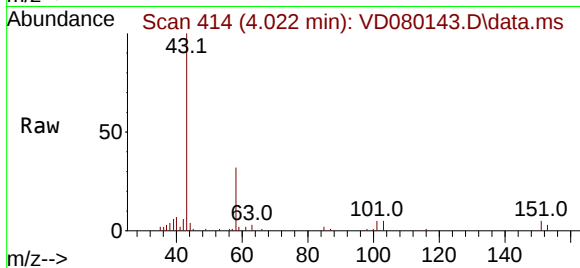
ClientSampleId :

Tgt Ion: 43 Resp: 53017

Ion Ratio Lower Upper

43 100

58 34.0 0.0 69.0



#14

Carbon disulfide

Concen: 23.723 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.000 min

Lab File: VD080143.D

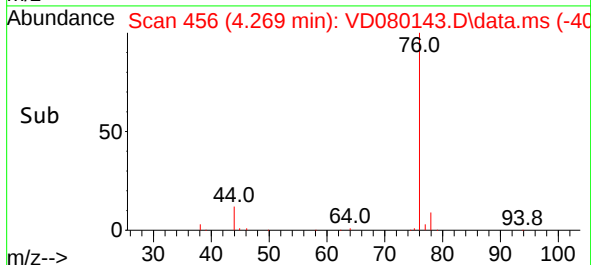
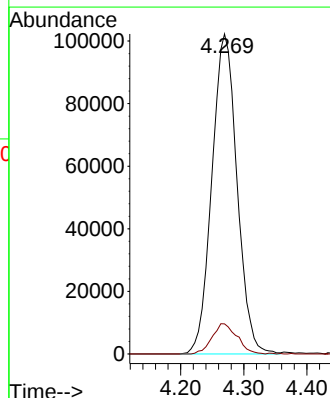
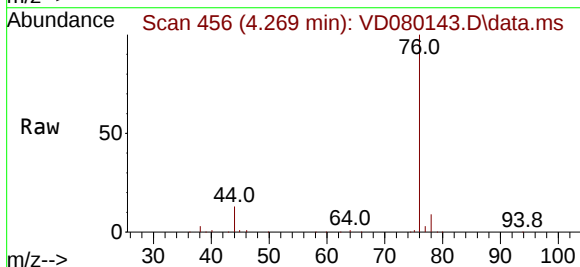
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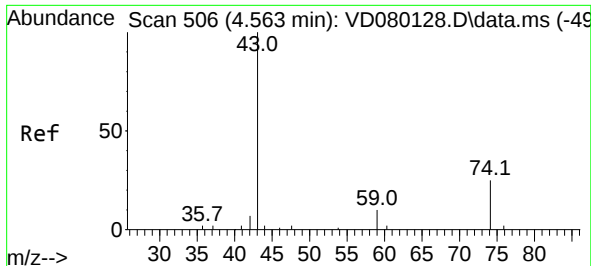
Tgt Ion: 76 Resp: 283385

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

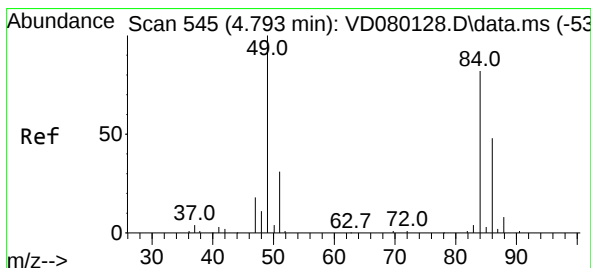
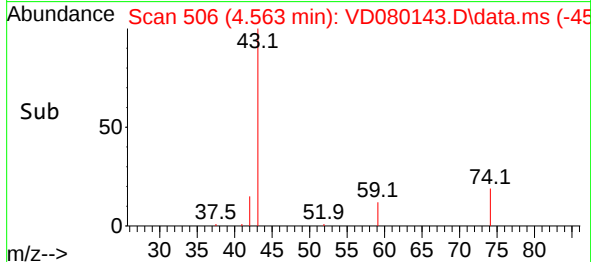
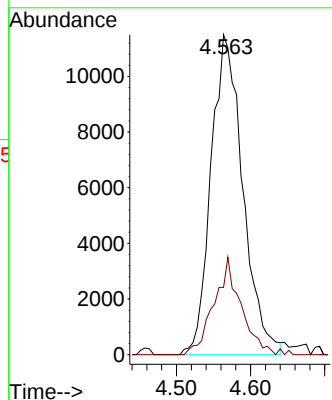
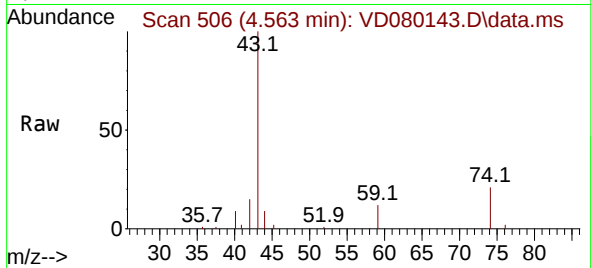




#15
Methyl Acetate
Concen: 19.787 ug/L
RT: 4.563 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

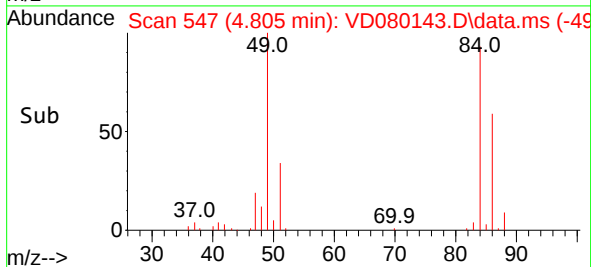
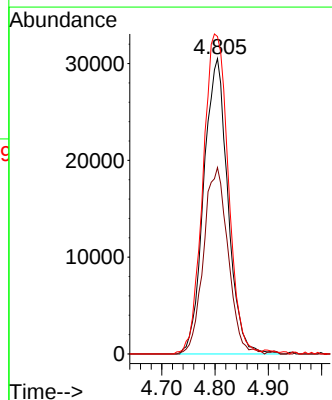
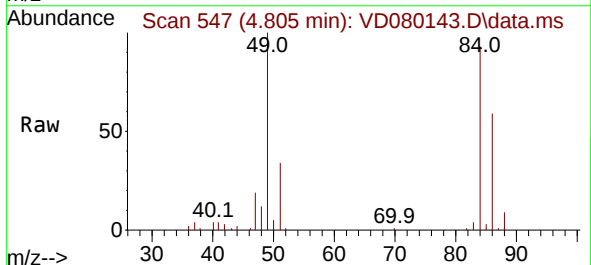
Instrument :
MSVOA_D
ClientSampleId :

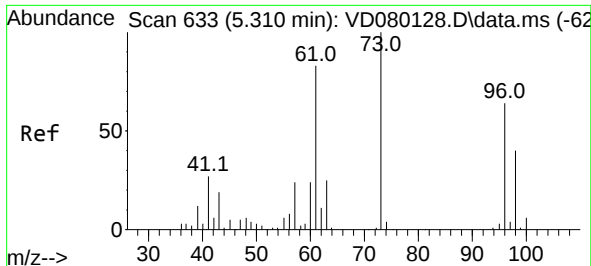
Tgt Ion: 43 Resp: 34242
Ion Ratio Lower Upper
43 100
74 25.7 19.0 28.4



#16
Methylene chloride
Concen: 22.937 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion: 84 Resp: 95947
Ion Ratio Lower Upper
84 100
86 63.1 40.7 75.7
49 107.4 79.9 148.5





#17

trans-1,2-Dichloroethene

Concen: 23.551 ug/L

RT: 5.310 min Scan# 61

Delta R.T. -0.000 min

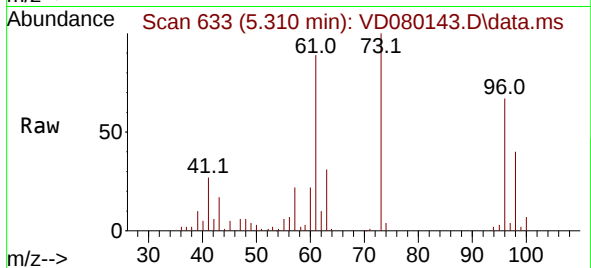
Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :



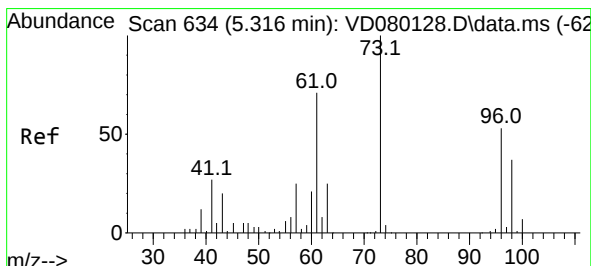
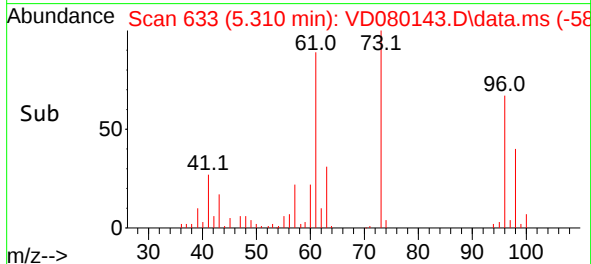
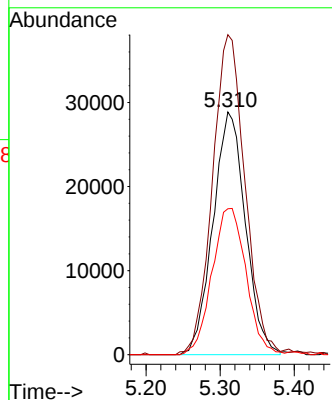
Tgt Ion: 96 Resp: 87795

Ion Ratio Lower Upper

96 100

61 131.8 97.4 181.0

98 60.1 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 21.026 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

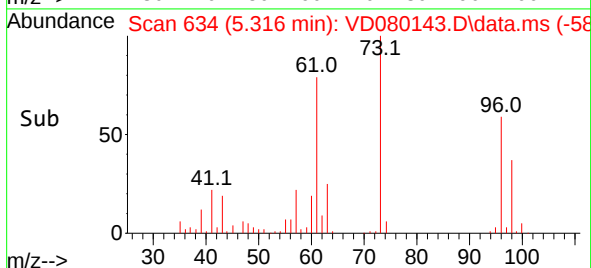
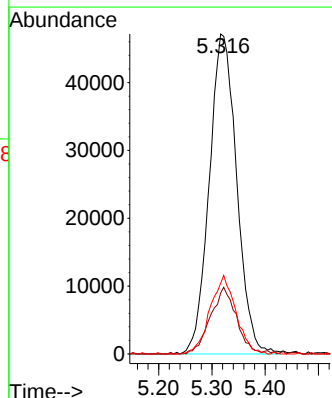
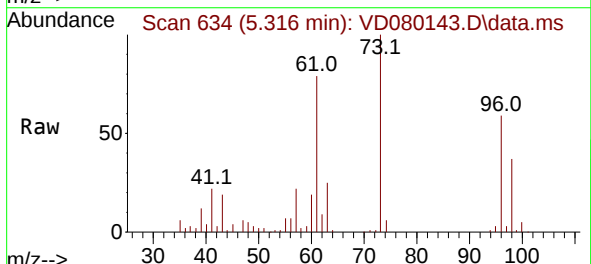
Tgt Ion: 73 Resp: 168612

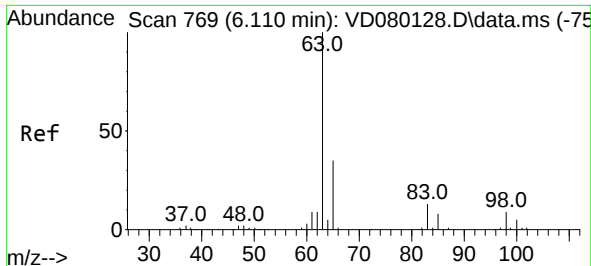
Ion Ratio Lower Upper

73 100

43 19.6 0.0 0.0#

57 23.1 18.9 28.3





#19

1,1-Dichloroethane

Concen: 23.151 ug/L

RT: 6.110 min Scan# 769

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

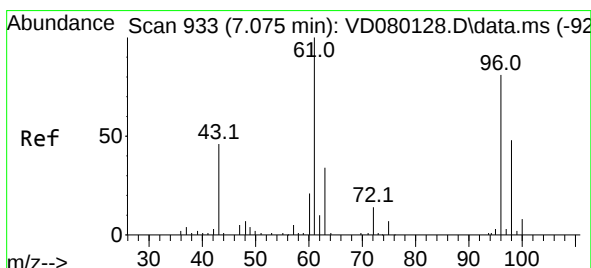
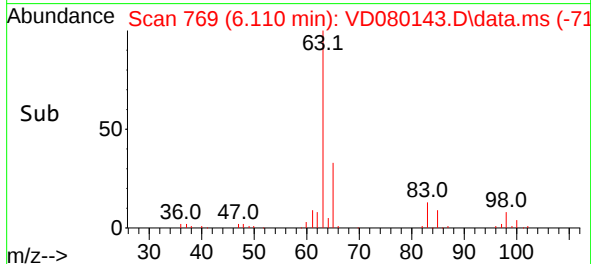
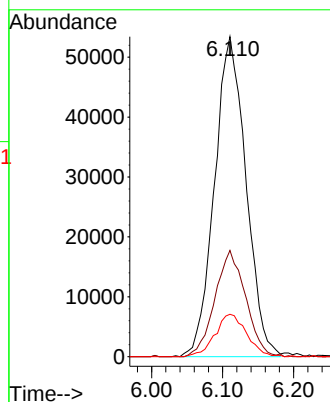
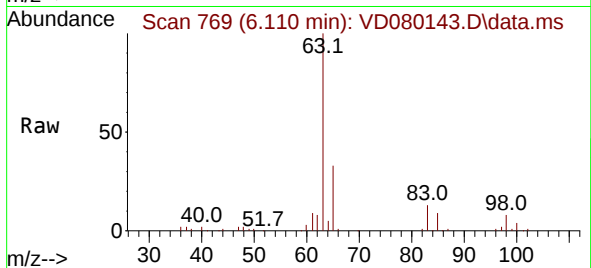
Tgt Ion: 63 Resp: 164597

Ion Ratio Lower Upper

63 100

65 33.2 21.1 39.1

83 13.2 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 24.065 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

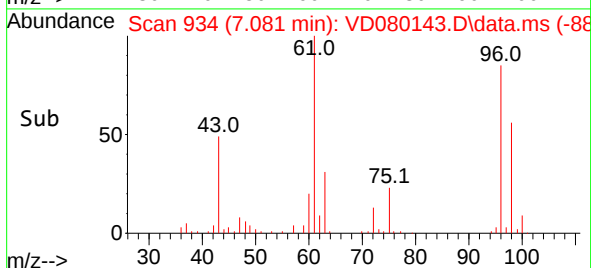
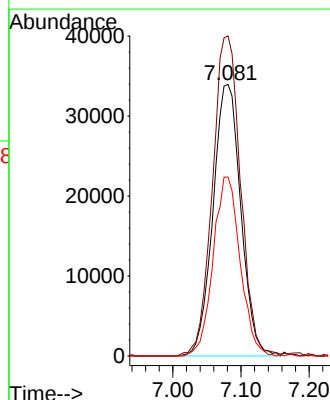
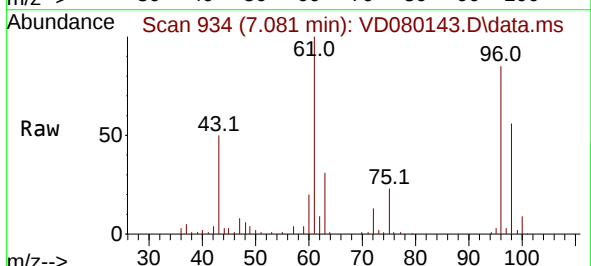
Tgt Ion: 96 Resp: 96411

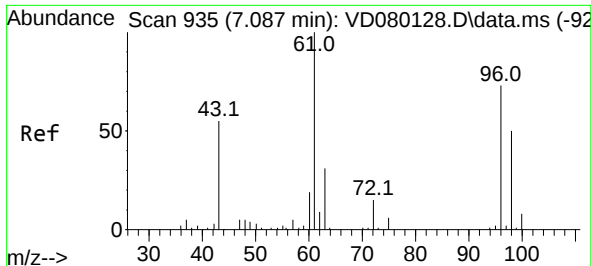
Ion Ratio Lower Upper

96 100

61 117.9 89.1 165.5

98 65.9 47.3 87.8

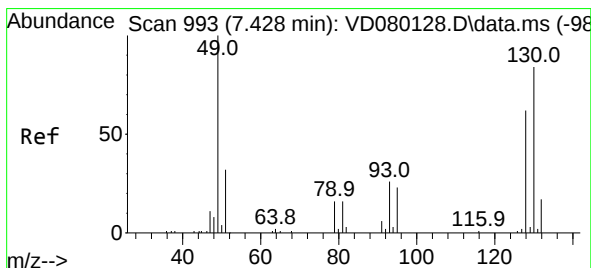
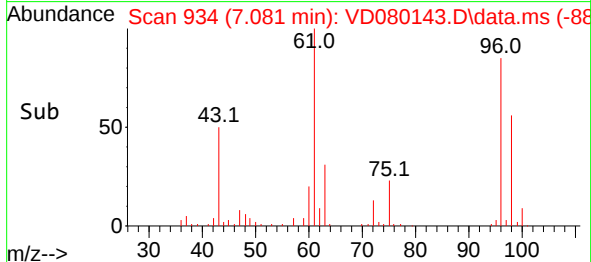
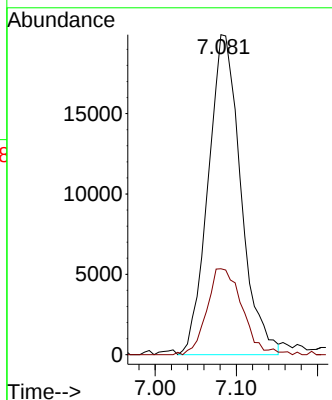
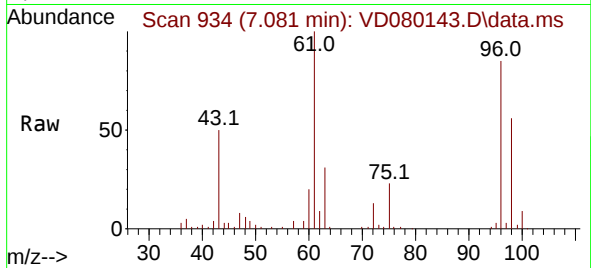




#22
2-Butanone
Concen: 38.353 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

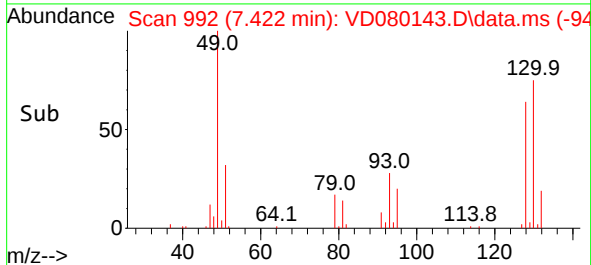
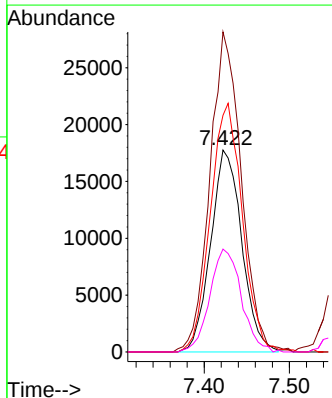
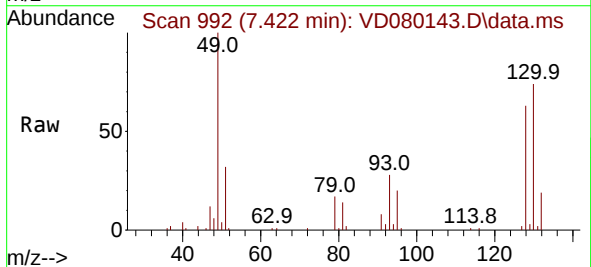
Instrument :
MSVOA_D
ClientSampleId :

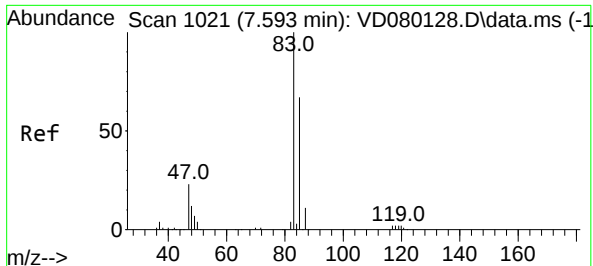
Tgt Ion: 43 Resp: 55693
Ion Ratio Lower Upper
43 100
72 28.1 13.6 40.8



#23
Bromochloromethane
Concen: 23.096 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:128 Resp: 45099
Ion Ratio Lower Upper
128 100
49 158.4 117.0 217.2
130 117.2 84.4 156.7
51 51.0 43.9 65.9





#25

Chloroform

Concen: 23.353 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

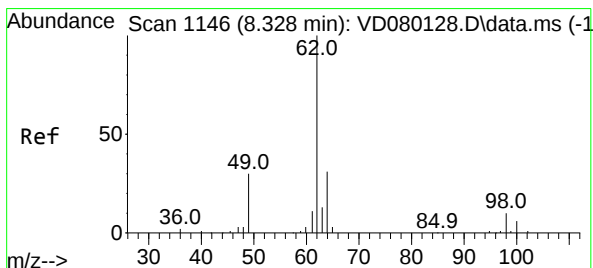
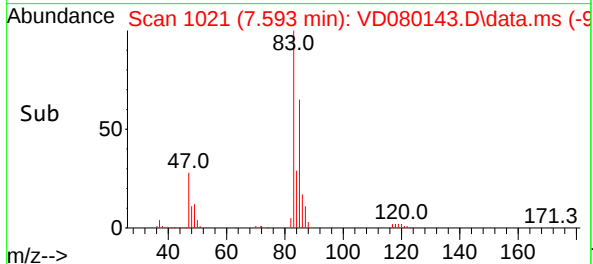
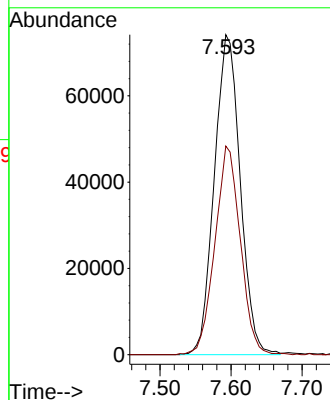
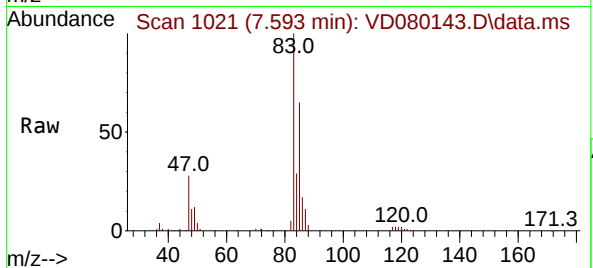
ClientSampleId :

Tgt Ion: 83 Resp: 187726

Ion Ratio Lower Upper

83 100

85 65.2 45.0 83.6



#27

1,2-Dichloroethane

Concen: 22.910 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD080143.D

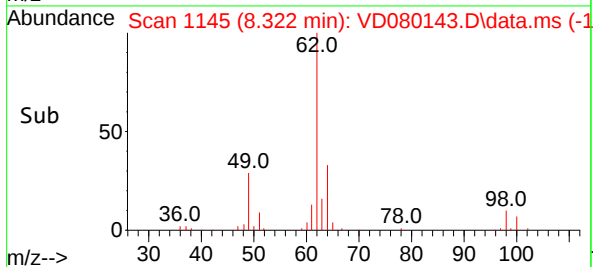
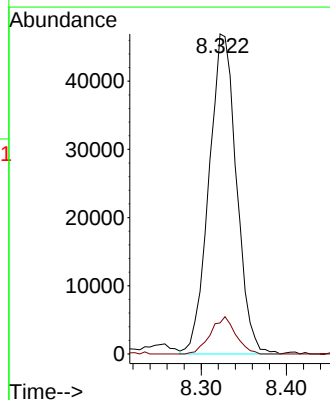
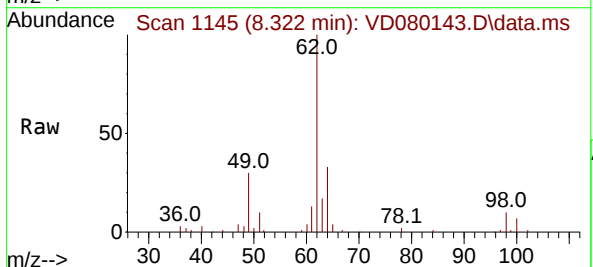
Acq: 12 Dec 2024 12:35

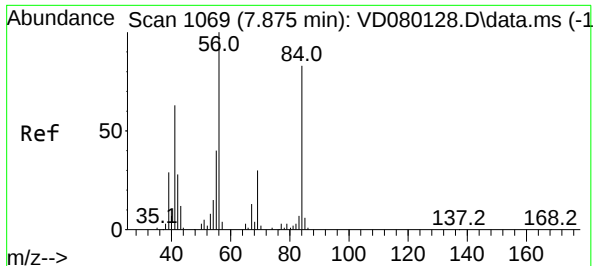
Tgt Ion: 62 Resp: 105322

Ion Ratio Lower Upper

62 100

98 9.7 7.0 10.6





#29

Cyclohexane

Concen: 22.945 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

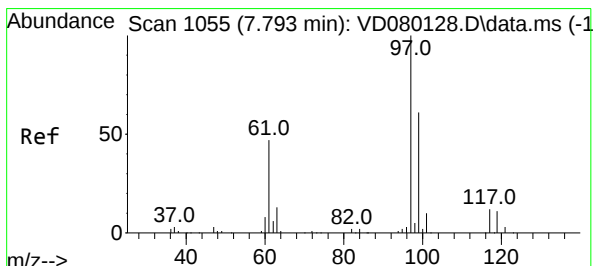
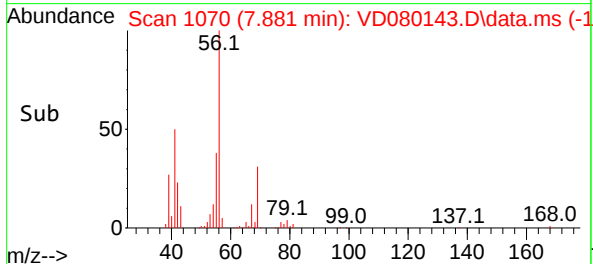
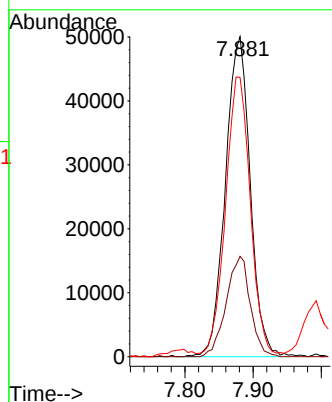
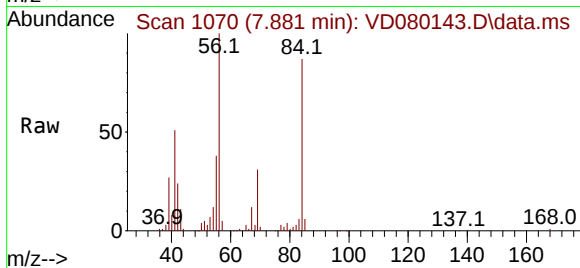
Tgt Ion: 56 Resp: 126620

Ion Ratio Lower Upper

56 100

69 30.5 24.6 36.8

84 86.4 68.7 103.1



#30

1,1,1-Trichloroethane

Concen: 21.325 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

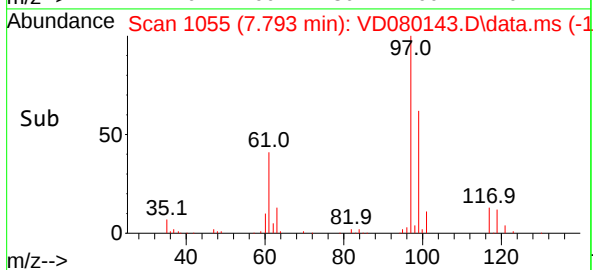
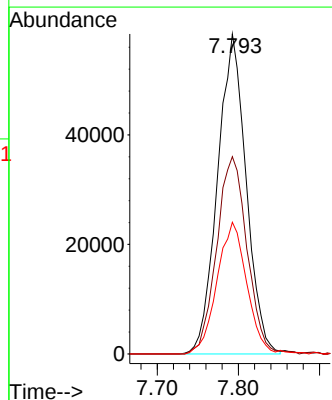
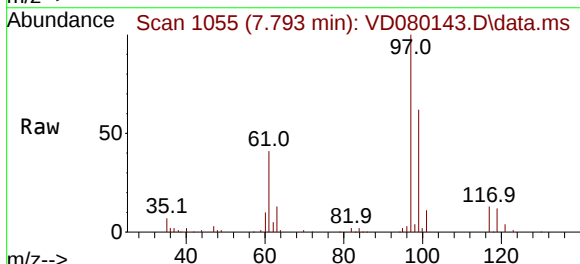
Tgt Ion: 97 Resp: 143180

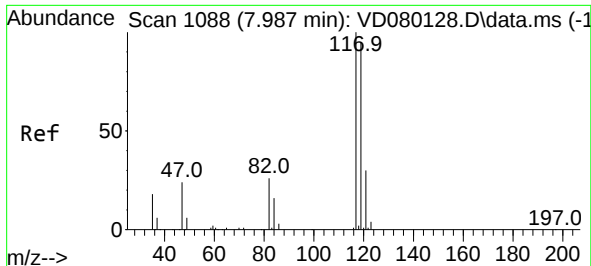
Ion Ratio Lower Upper

97 100

99 65.5 51.3 76.9

61 42.6 35.8 53.8

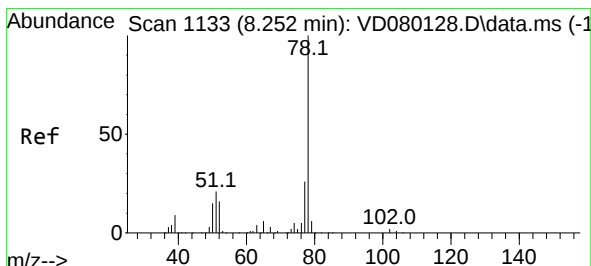
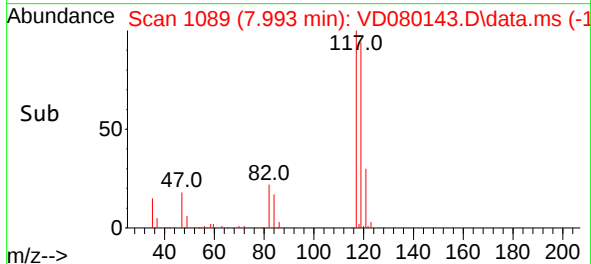
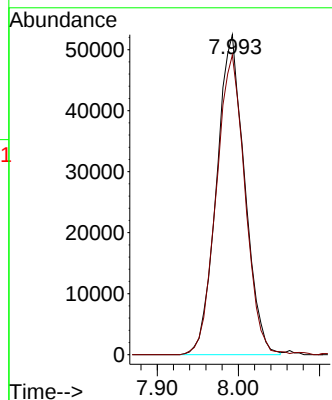
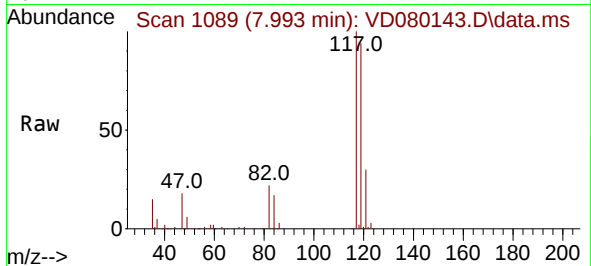




#31
Carbon tetrachloride
Concen: 22.649 ug/L
RT: 7.993 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

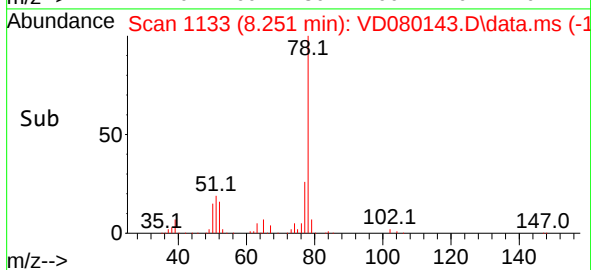
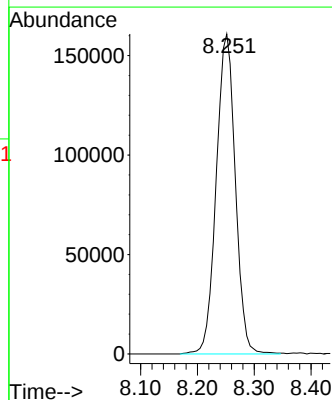
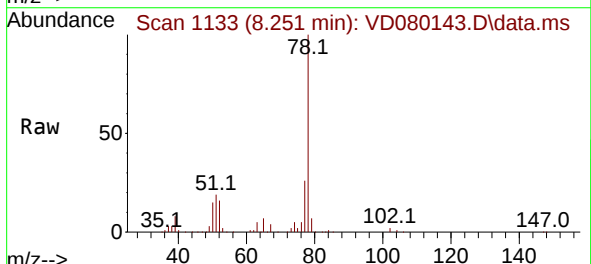
Instrument :
MSVOA_D
ClientSampleId :

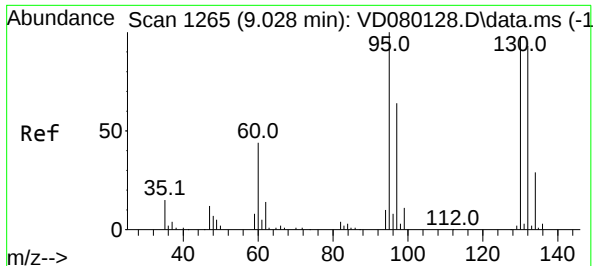
Tgt Ion:117 Resp: 126041
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2



#33
Benzene
Concen: 22.424 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion: 78 Resp: 375507

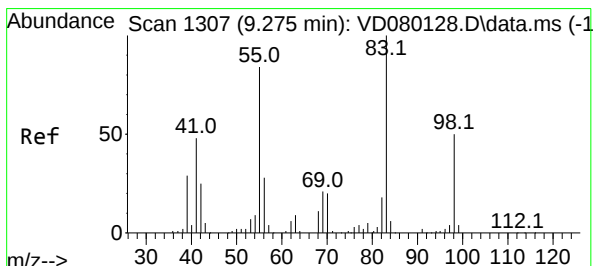
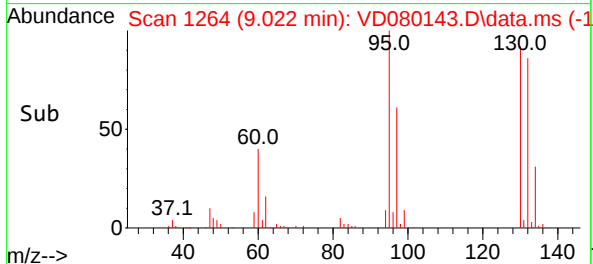
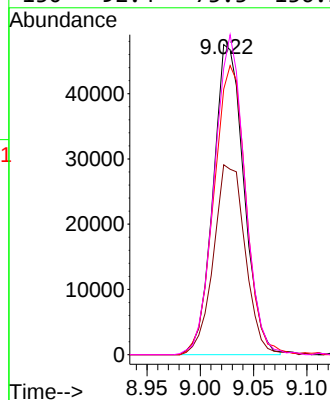
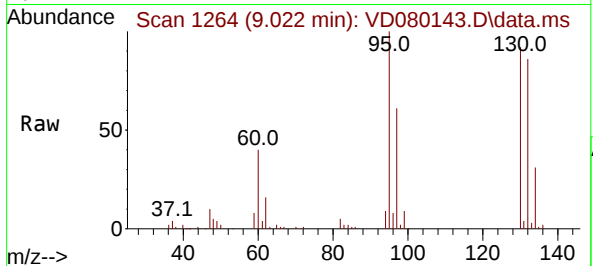




#34
Trichloroethene
Concen: 20.968 ug/L
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

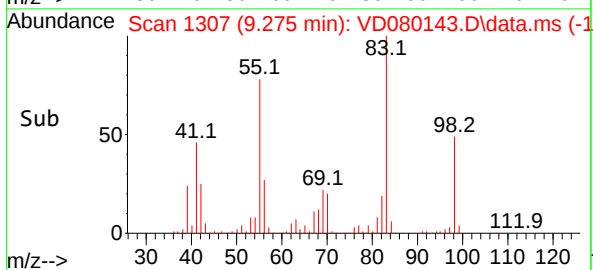
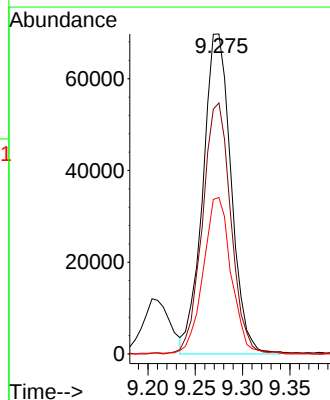
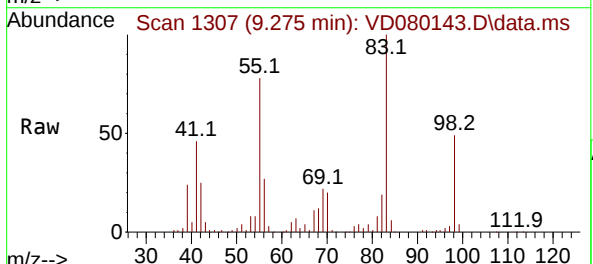
Instrument :
MSVOA_D
ClientSampleId :

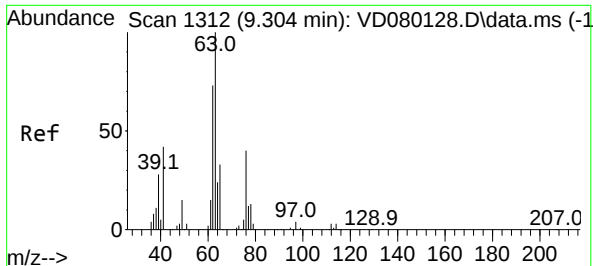
Tgt Ion: 95 Resp: 95431
Ion Ratio Lower Upper
95 100
97 61.3 43.7 81.1
132 85.7 69.4 129.0
130 92.4 73.3 136.1



#35
Methylcyclohexane
Concen: 22.707 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion: 83 Resp: 144854
Ion Ratio Lower Upper
83 100
55 79.0 63.8 95.8
98 48.2 37.6 56.4





#37

1,2-Dichloropropane

Concen: 20.756 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

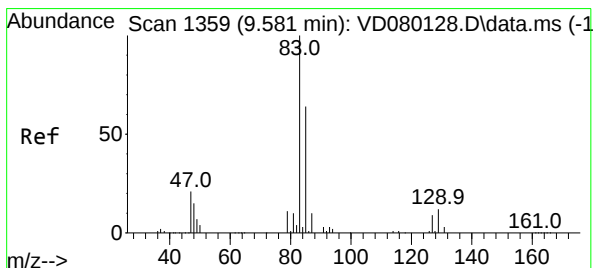
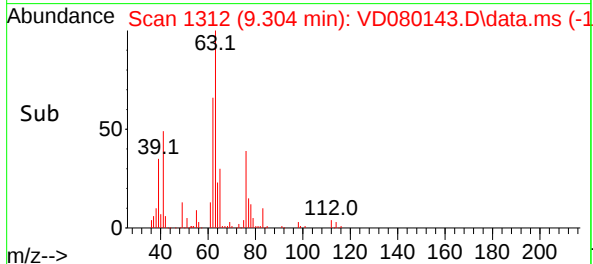
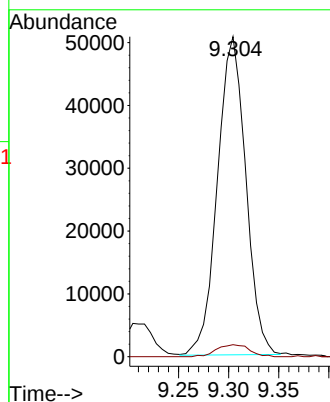
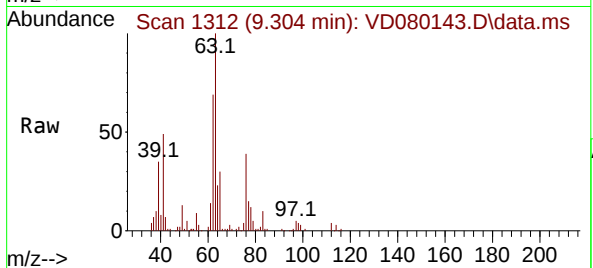
ClientSampleId :

Tgt Ion: 63 Resp: 99586

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 20.866 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

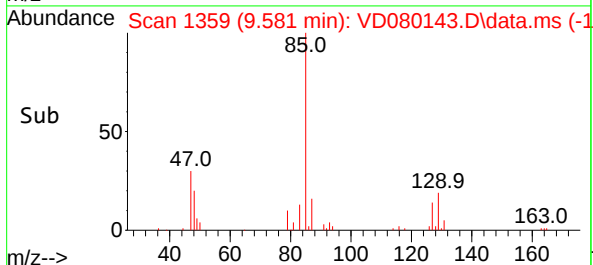
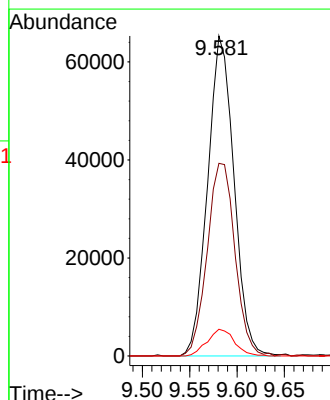
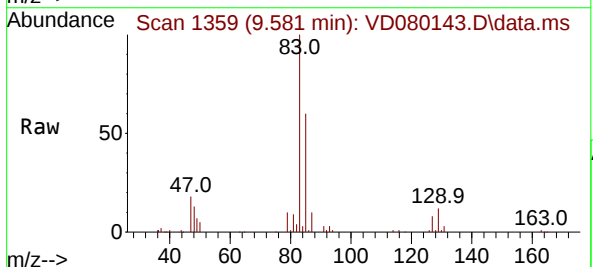
Tgt Ion: 83 Resp: 126226

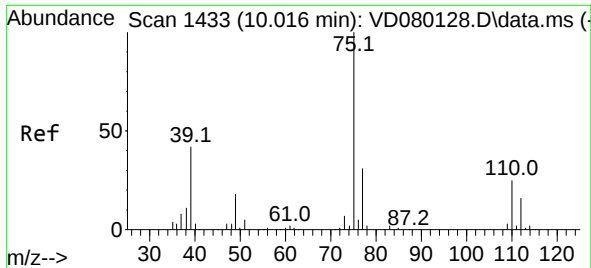
Ion Ratio Lower Upper

83 100

85 60.2 44.3 82.3

127 8.4 6.6 10.0

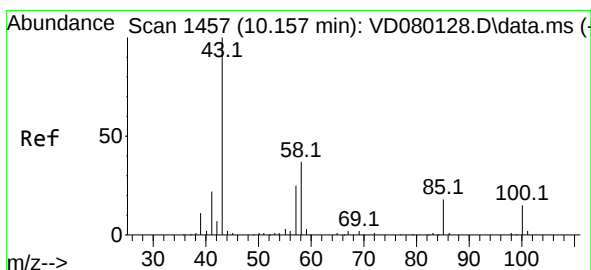
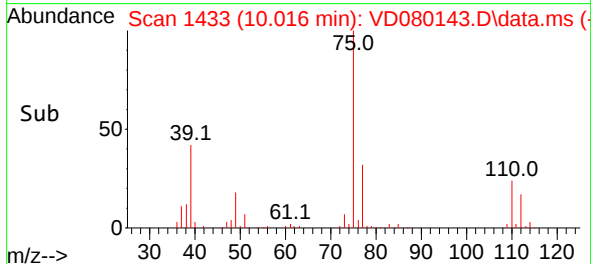
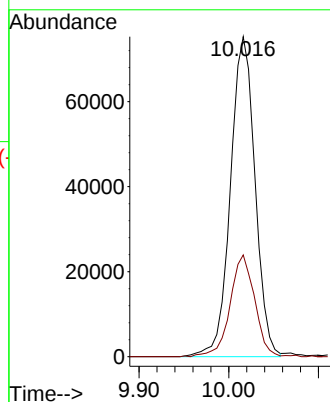
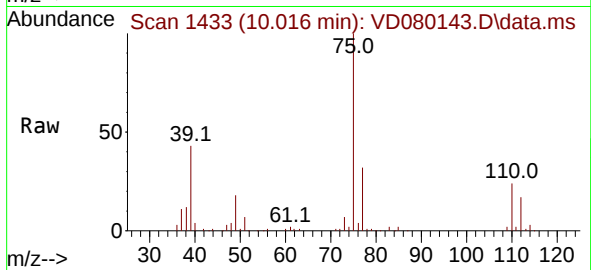




#39
 cis-1,3-Dichloropropene
 Concen: 20.915 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

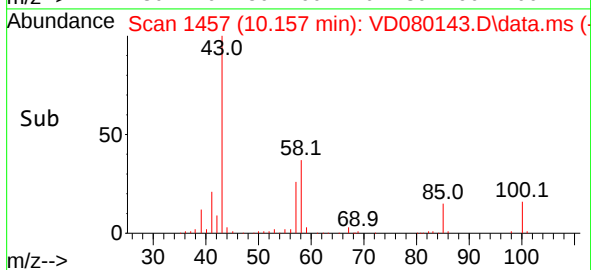
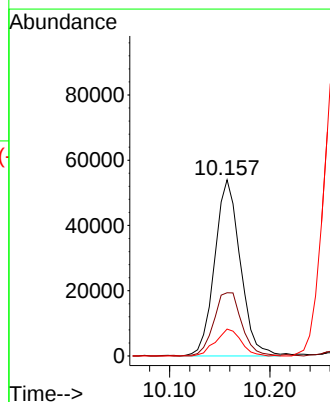
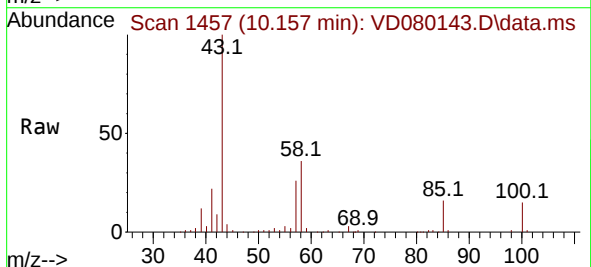
Instrument :
 MSVOA_D
 ClientSampleId :

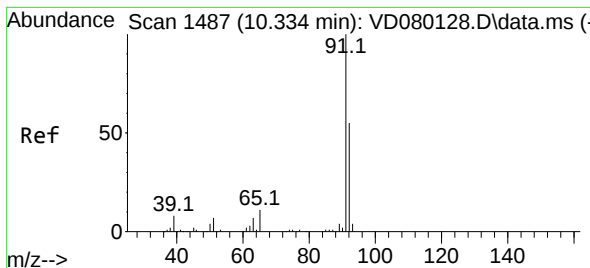
Tgt Ion: 75 Resp: 143206
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 36.090 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

Tgt Ion: 43 Resp: 95744
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.1 48.1
 100 15.3 12.6 19.0





#42

Toluene

Concen: 22.674 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

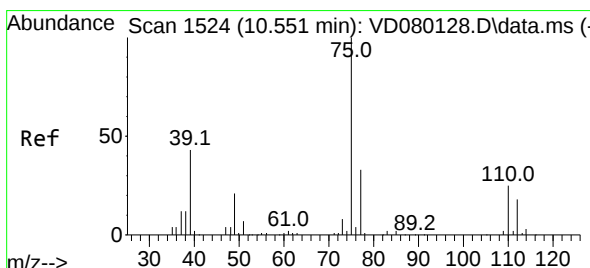
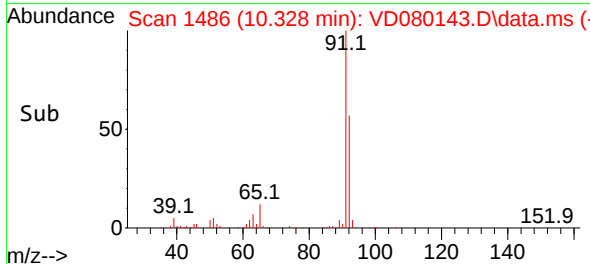
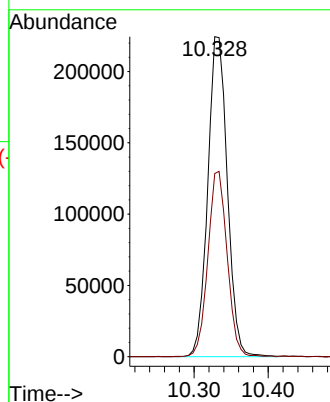
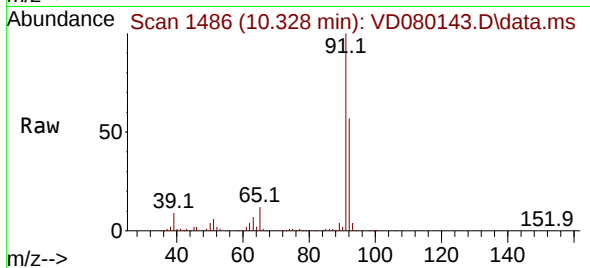
ClientSampleId :

Tgt Ion: 91 Resp: 411924

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 21.934 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD080143.D

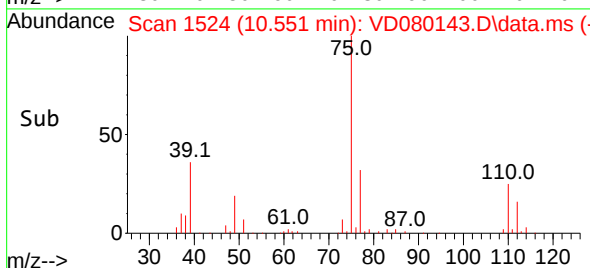
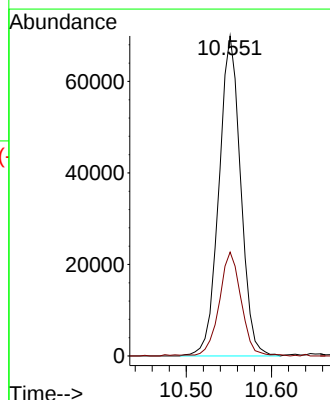
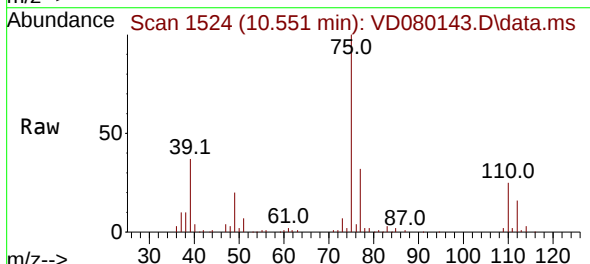
Acq: 12 Dec 2024 12:35

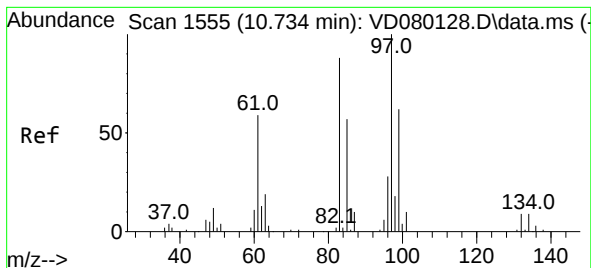
Tgt Ion: 75 Resp: 123717

Ion Ratio Lower Upper

75 100

77 32.5 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 20.653 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 71267

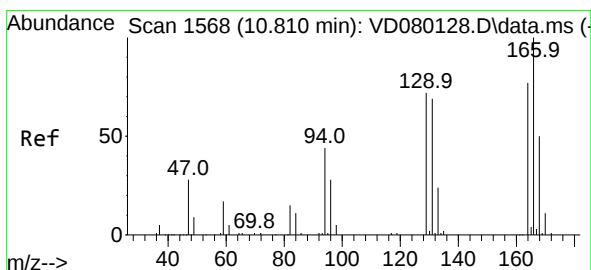
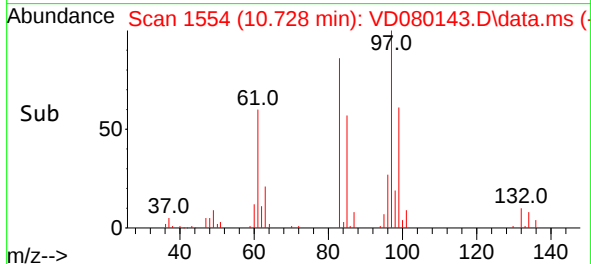
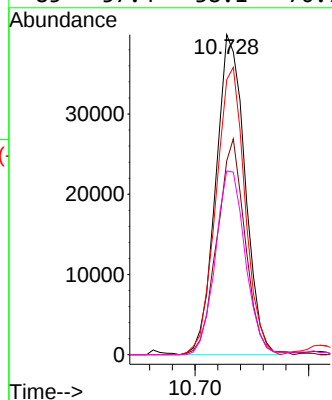
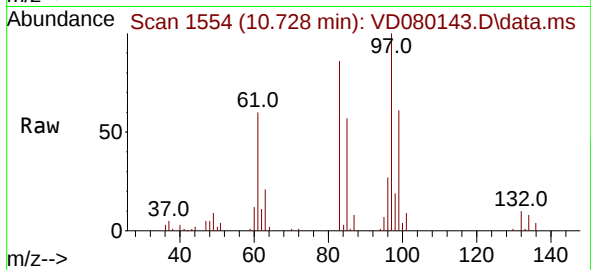
Ion Ratio Lower Upper

97 100

99 60.6 42.5 78.9

83 86.0 63.1 117.1

85 57.4 38.1 70.7



#46

Tetrachloroethene

Concen: 24.121 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Tgt Ion:164 Resp: 76030

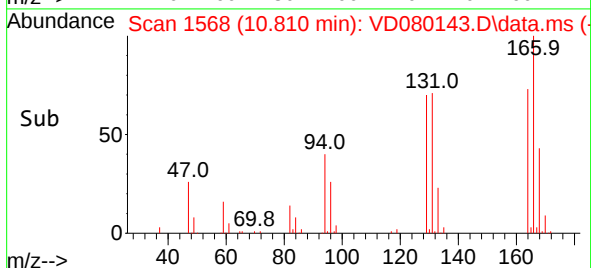
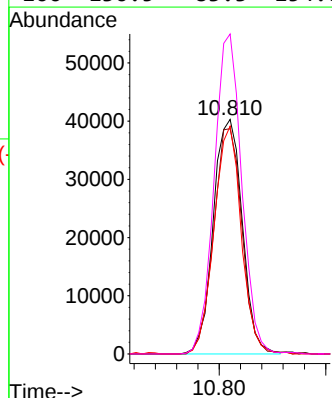
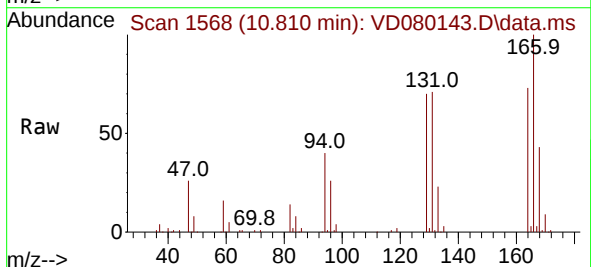
Ion Ratio Lower Upper

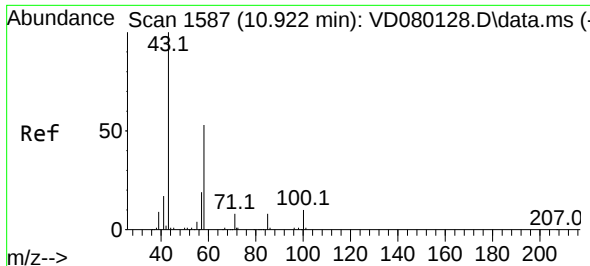
164 100

129 96.1 64.4 119.6

131 97.1 61.6 114.4

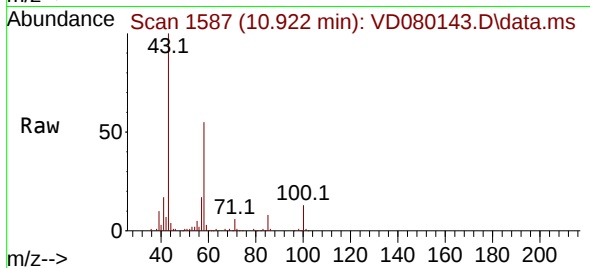
166 136.5 83.3 154.7



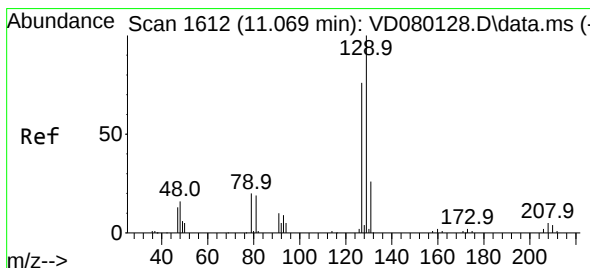
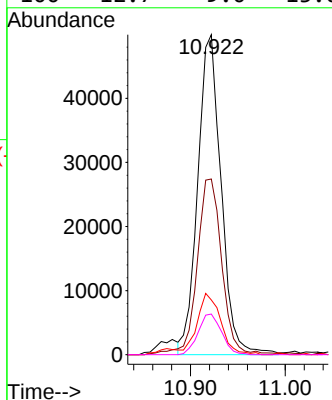
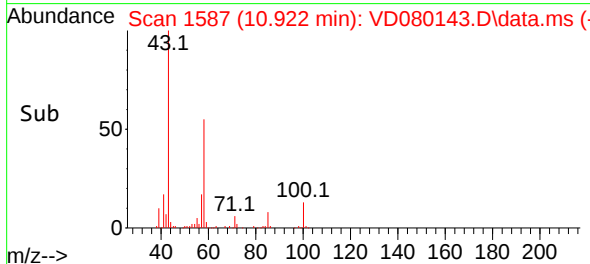


#48
2-Hexanone
Concen: 39.513 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Instrument :
MSVOA_D
ClientSampleId :

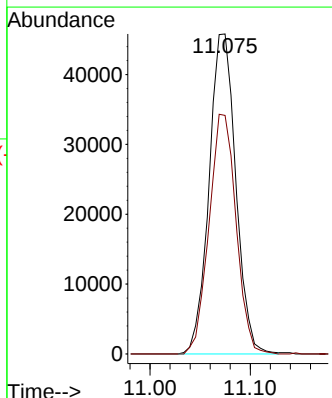
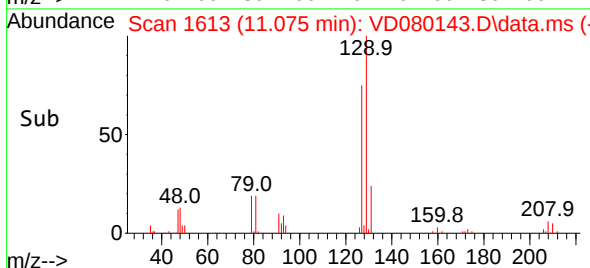
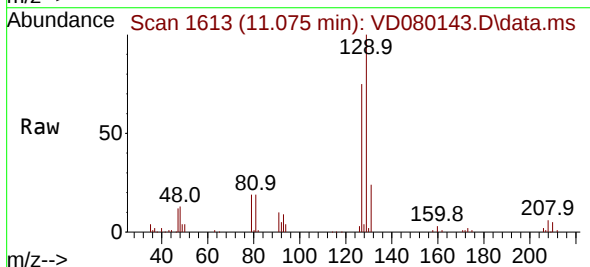


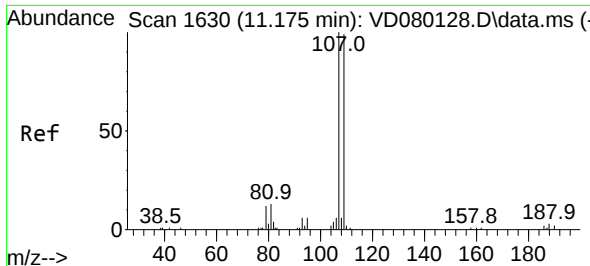
Tgt Ion:	43	Resp:	85624
Ion	Ratio	Lower	Upper
43	100		
58	57.2	41.8	62.6
57	19.2	14.8	22.2
100	12.7	9.0	13.6



#49
Dibromochloromethane
Concen: 22.639 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:	129	Resp:	84801
Ion	Ratio	Lower	Upper
129	100		
127	74.6	52.4	97.2

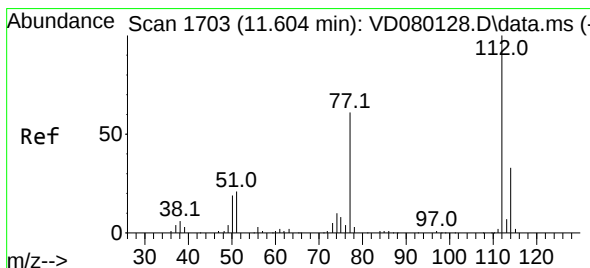
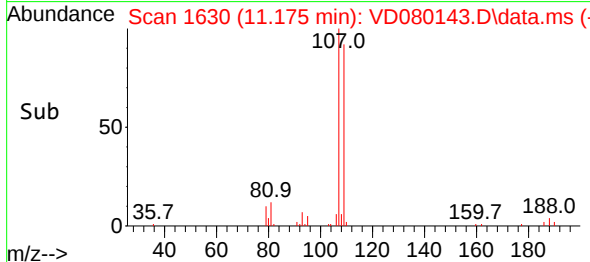
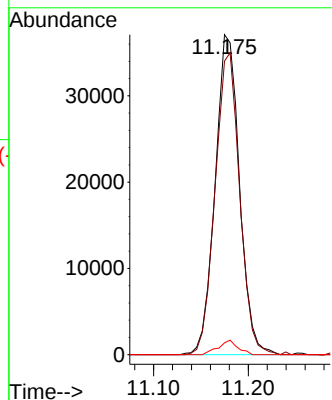
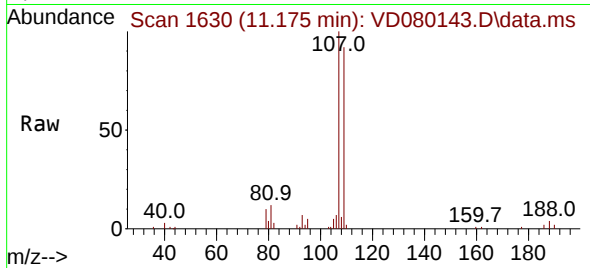




#50
1,2-Dibromoethane
Concen: 21.659 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

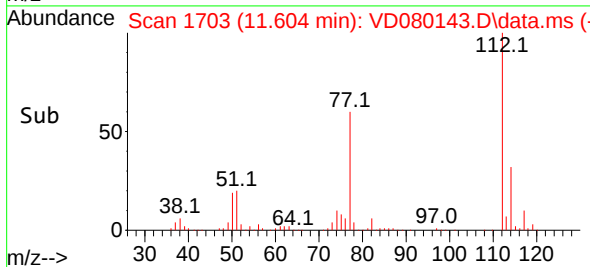
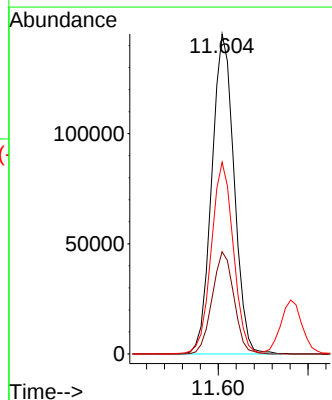
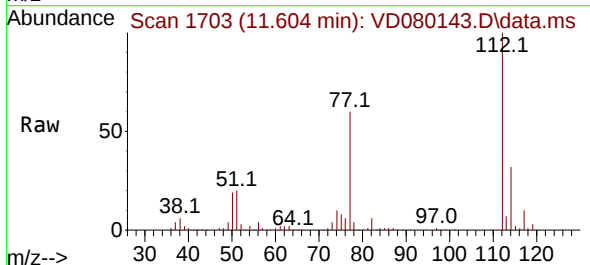
Instrument :
MSVOA_D
ClientSampleId :

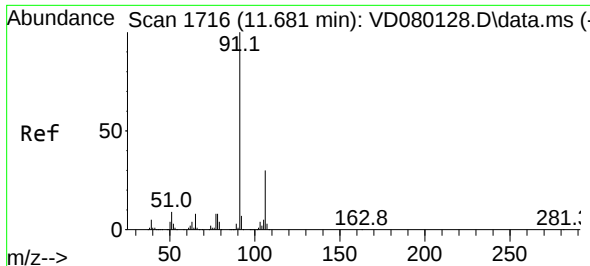
Tgt Ion:107 Resp: 66268
Ion Ratio Lower Upper
107 100
109 91.7 66.2 123.0
188 3.7 2.8 4.2



#51
Chlorobenzene
Concen: 23.062 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:112 Resp: 250761
Ion Ratio Lower Upper
112 100
114 32.0 23.3 43.3
77 59.9 47.8 71.8

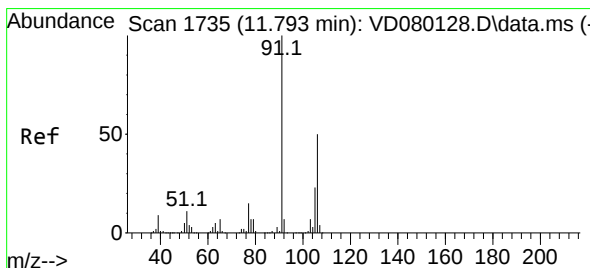
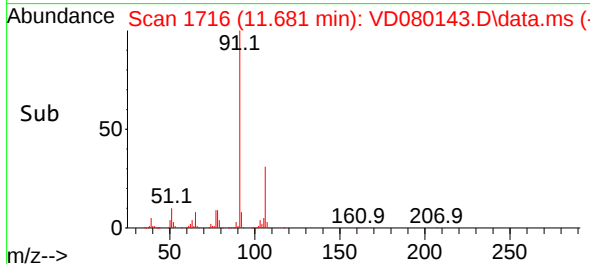
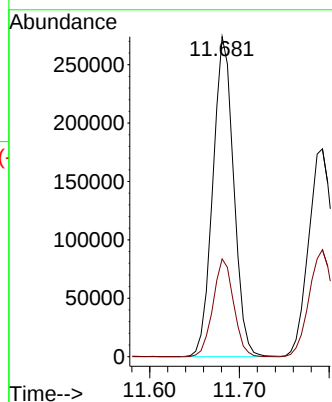
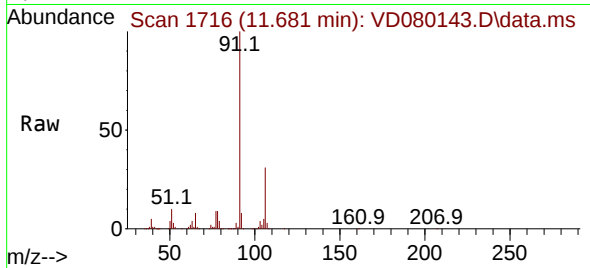




#52
Ethylbenzene
Concen: 24.492 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

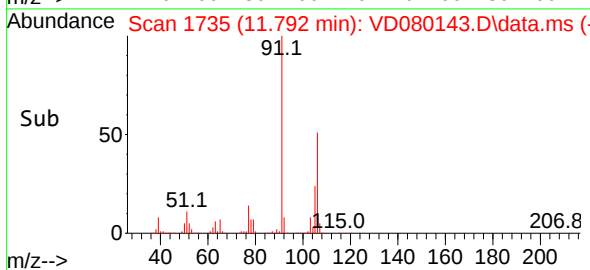
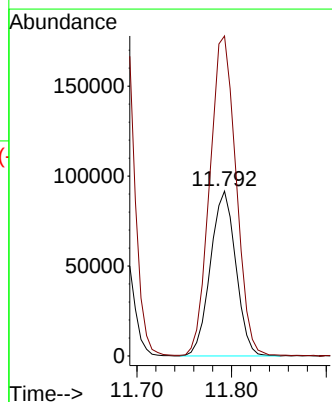
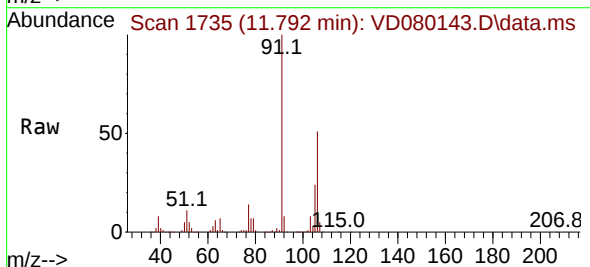
Instrument :
MSVOA_D
ClientSampleId :

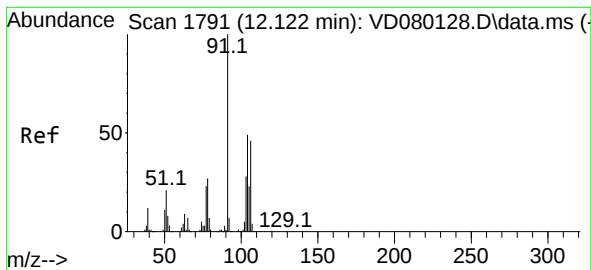
Tgt Ion: 91 Resp: 441841
Ion Ratio Lower Upper
91 100
106 30.6 20.0 37.2



#53
m,p-Xylene
Concen: 24.735 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion: 106 Resp: 170608
Ion Ratio Lower Upper
106 100
91 194.2 143.5 266.5

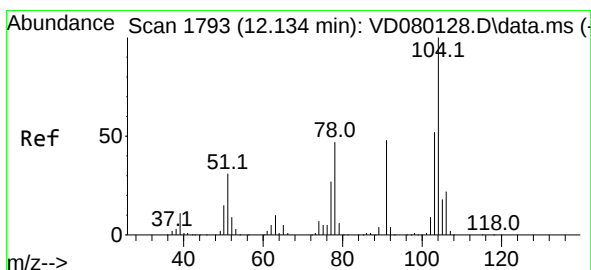
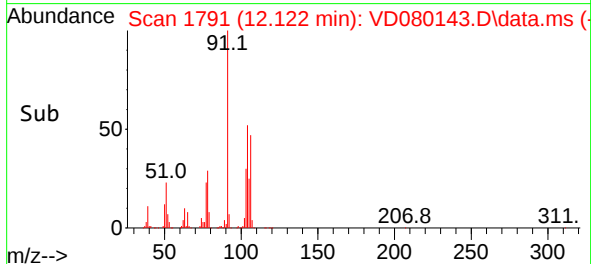
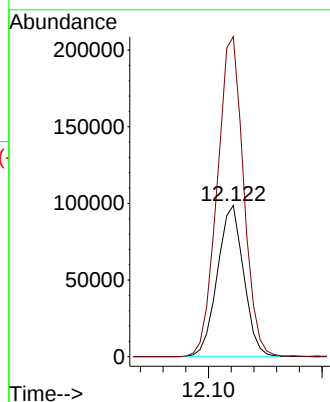
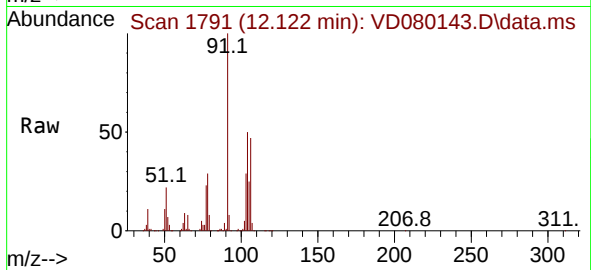




#54
o-Xylene
Concen: 24.001 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

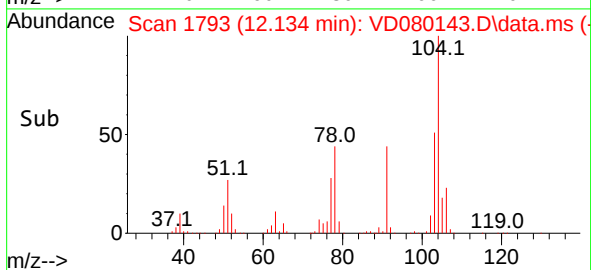
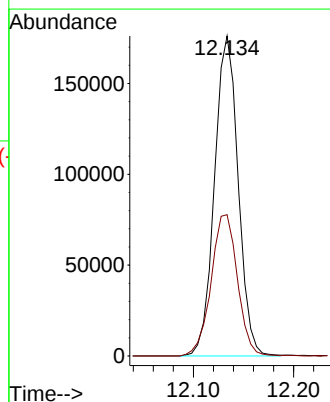
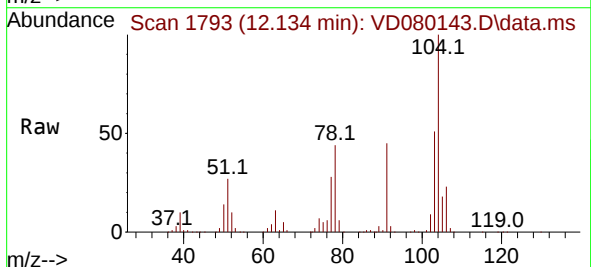
Instrument :
MSVOA_D
ClientSampleId :

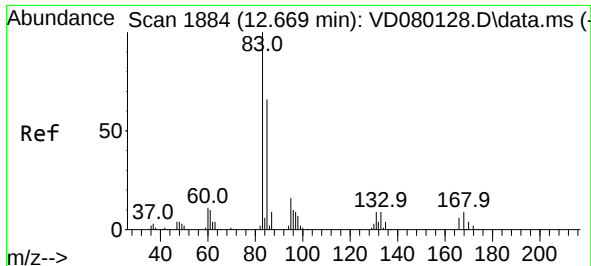
Tgt Ion:106 Resp: 158824
Ion Ratio Lower Upper
106 100
91 211.7 155.8 289.4



#55
Styrene
Concen: 24.063 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:104 Resp: 288218
Ion Ratio Lower Upper
104 100
78 44.1 31.2 58.0

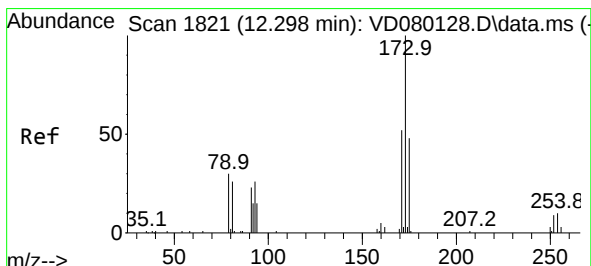
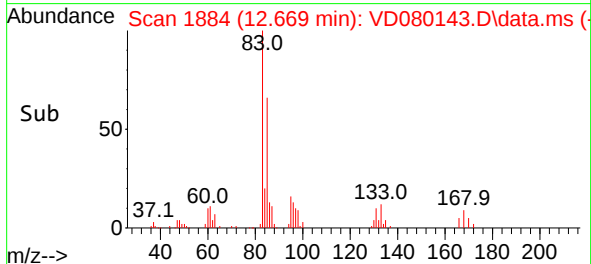
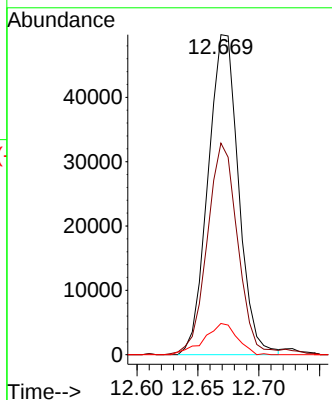
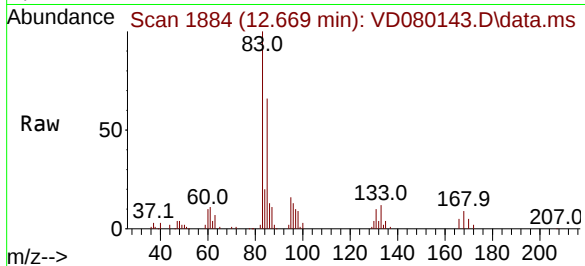




#57
 1,1,2,2-Tetrachloroethane
 Concen: 19.707 ug/L
 RT: 12.669 min Scan# 1884
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

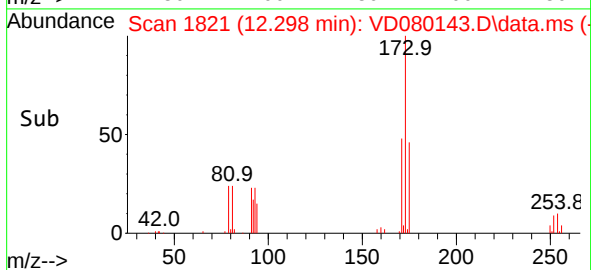
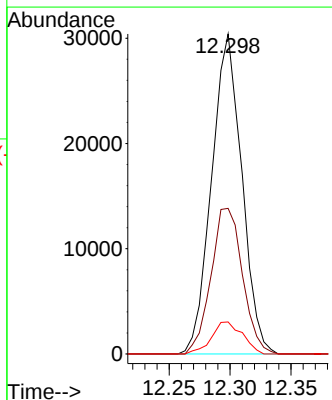
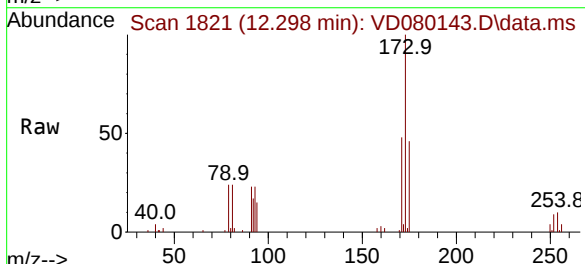
Instrument :
 MSVOA_D
 ClientSampleId :

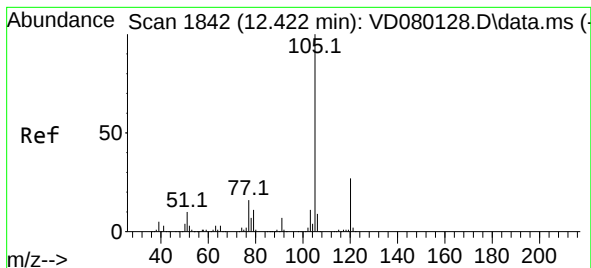
Tgt Ion: 83 Resp: 86641
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.2 82.2
 131 9.8 7.1 10.7



#59
 Bromoform
 Concen: 21.559 ug/L
 RT: 12.298 min Scan# 1821
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

Tgt Ion: 173 Resp: 52362
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.2 57.4
 254 10.3 8.5 12.7





#60

Isopropylbenzene

Concen: 23.784 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

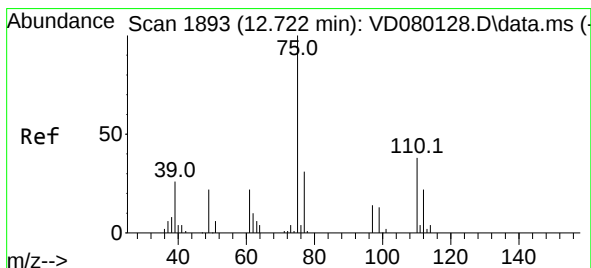
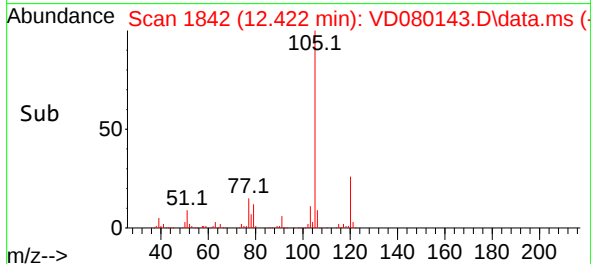
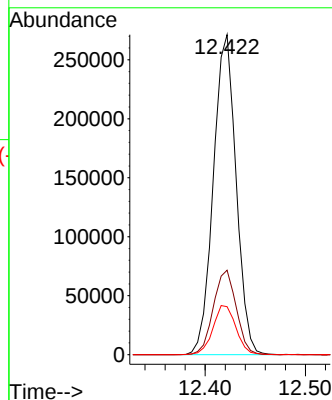
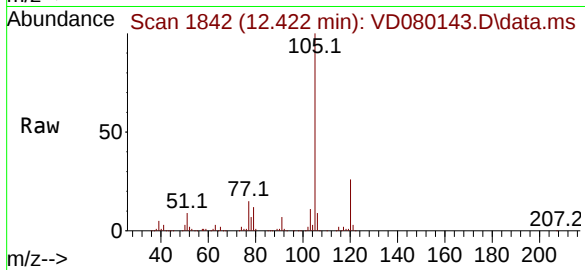
Tgt Ion:105 Resp: 427458

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

77 15.6 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 19.520 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

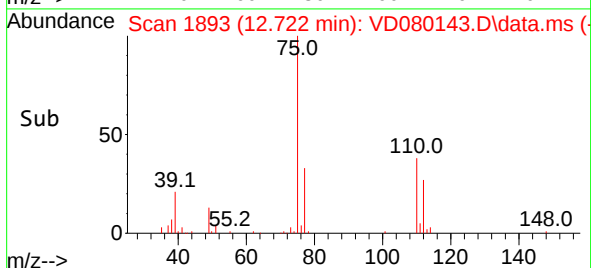
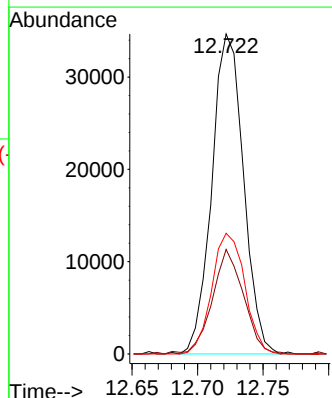
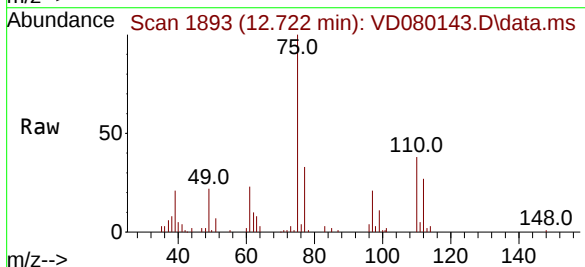
Tgt Ion: 75 Resp: 58229

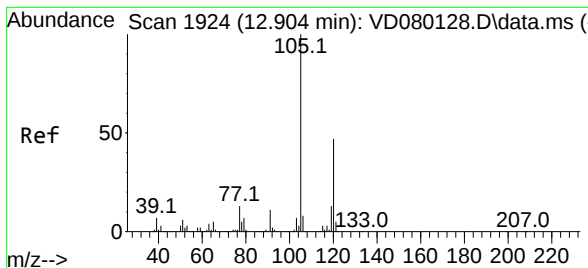
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

110 39.1 30.2 45.2

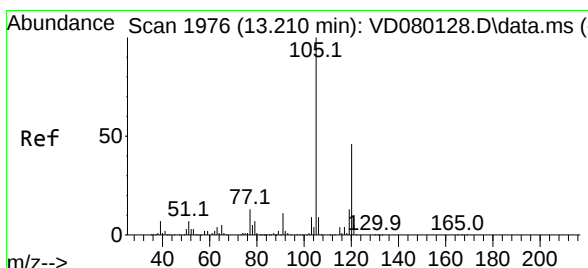
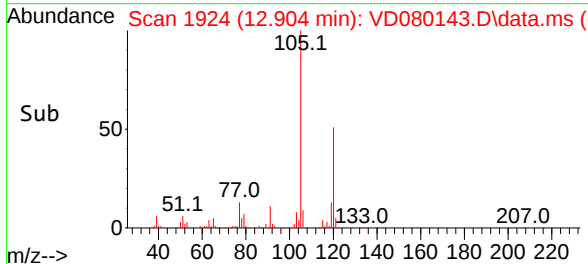
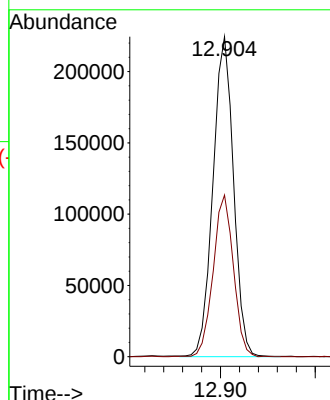
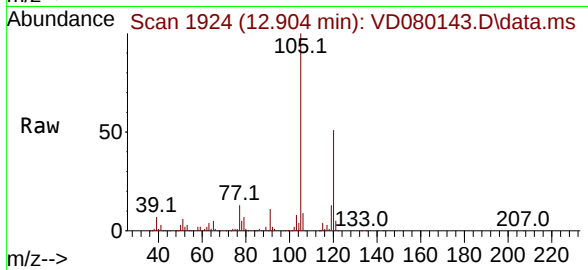




#62
 1,3,5-Trimethylbenzene
 Concen: 22.549 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

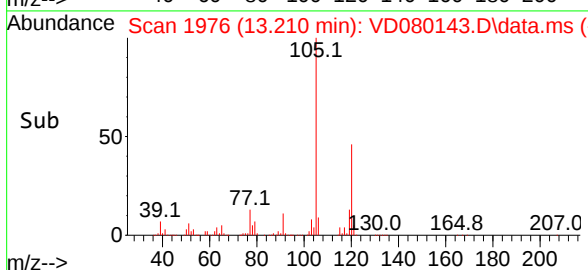
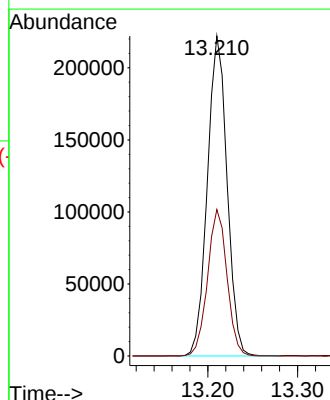
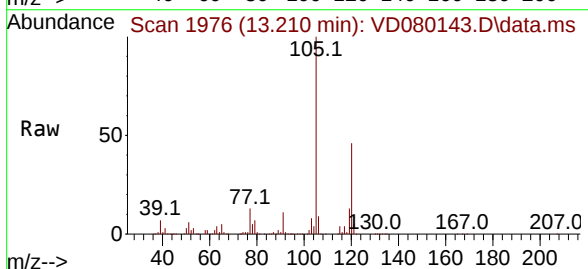
Instrument :
 MSVOA_D
 ClientSampleId :

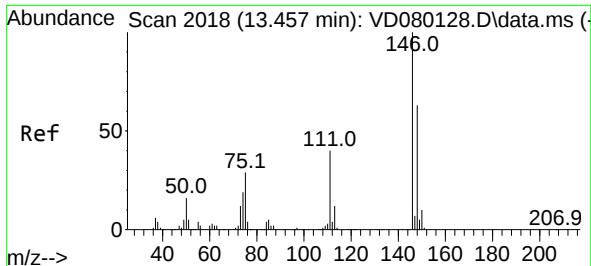
Tgt Ion:105 Resp: 337877
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 23.737 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VD080143.D
 Acq: 12 Dec 2024 12:35

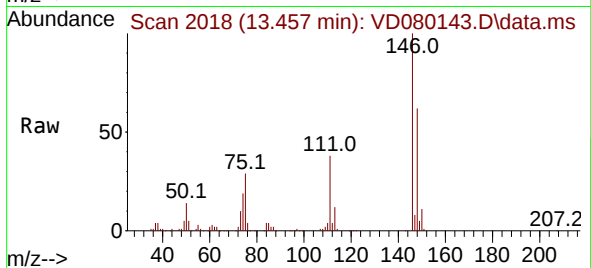
Tgt Ion:105 Resp: 338405
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.4 54.6



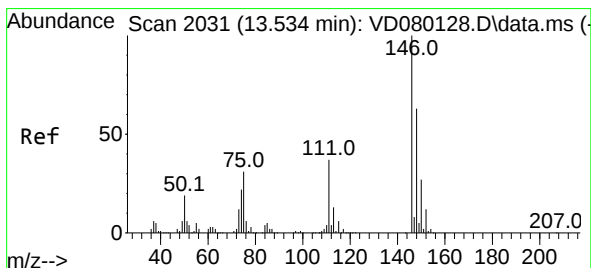
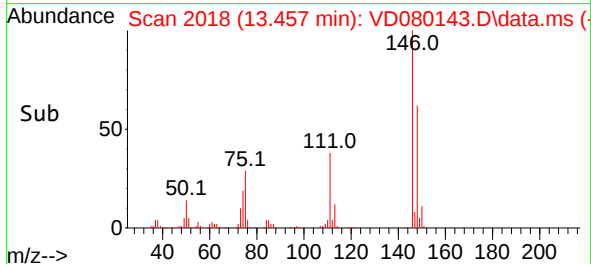
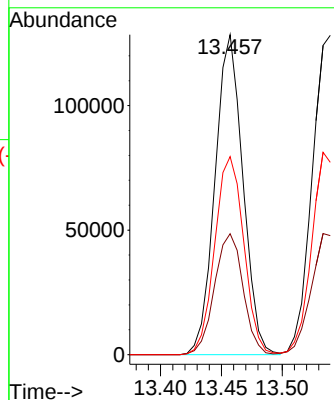


#64
1,3-Dichlorobenzene
Concen: 23.413 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Instrument :
MSVOA_D
ClientSampleId :

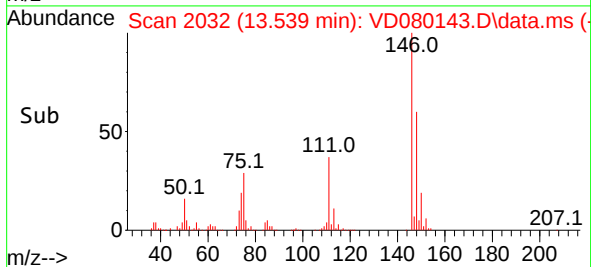
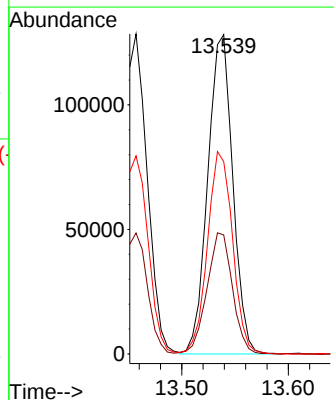
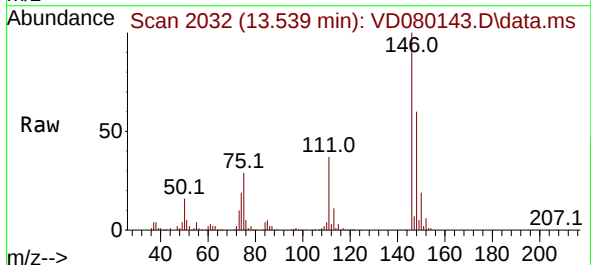


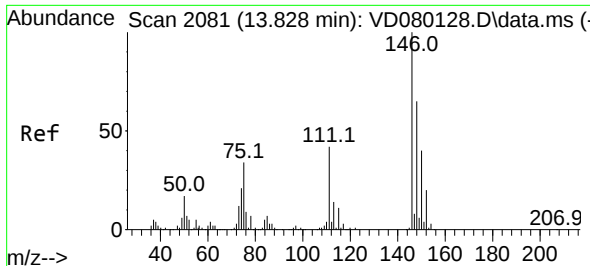
Tgt Ion:146 Resp: 204683
Ion Ratio Lower Upper
146 100
111 37.8 27.0 50.2
148 61.9 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 22.186 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

Tgt Ion:146 Resp: 209090
Ion Ratio Lower Upper
146 100
111 37.3 27.0 50.2
148 60.2 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 21.269 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

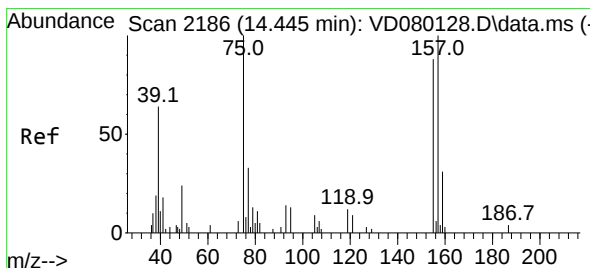
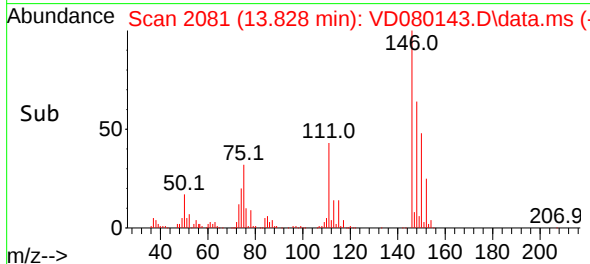
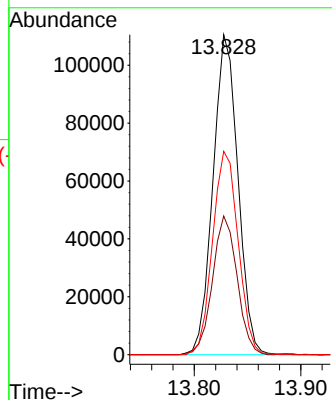
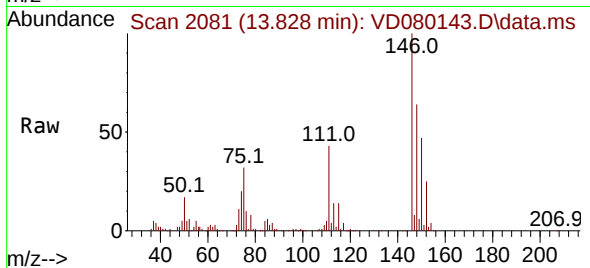
Tgt Ion:146 Resp: 179550

Ion Ratio Lower Upper

146 100

111 43.3 32.8 49.2

148 63.6 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 20.144 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

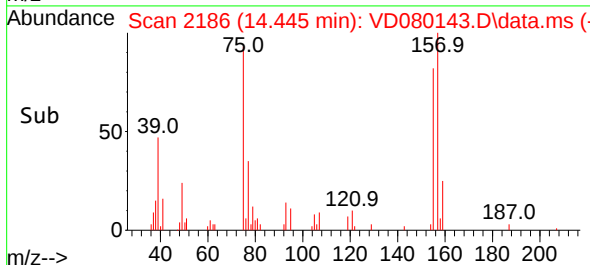
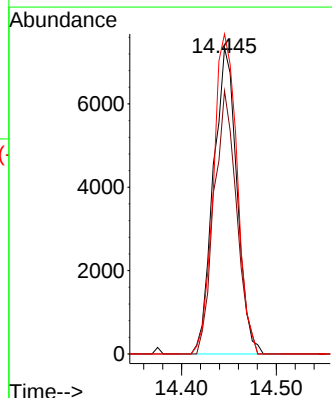
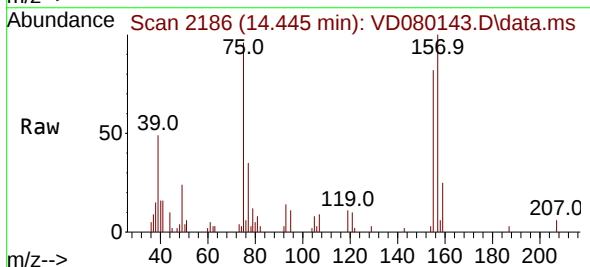
Tgt Ion: 75 Resp: 12650

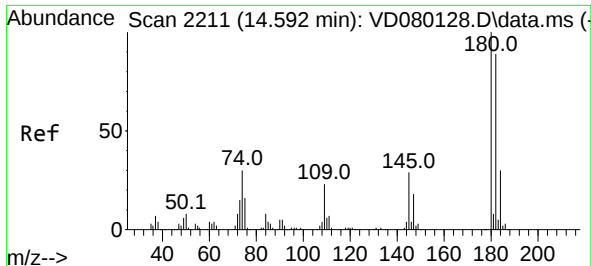
Ion Ratio Lower Upper

75 100

155 85.9 70.5 105.7

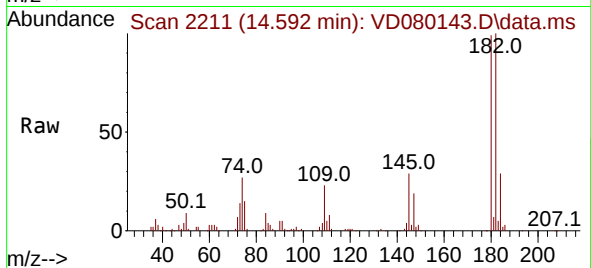
157 104.5 86.6 129.8



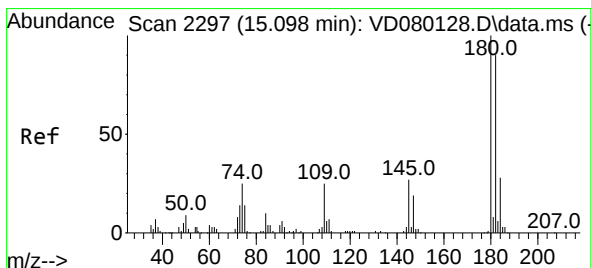
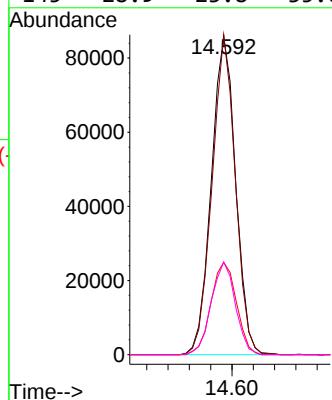
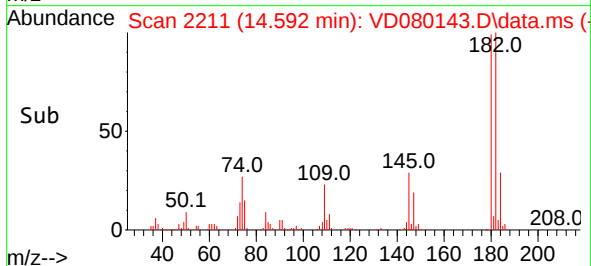


#69
1,3,5-Trichlorobenzene
Concen: 22.472 ug/L
RT: 14.592 min Scan# 211
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35

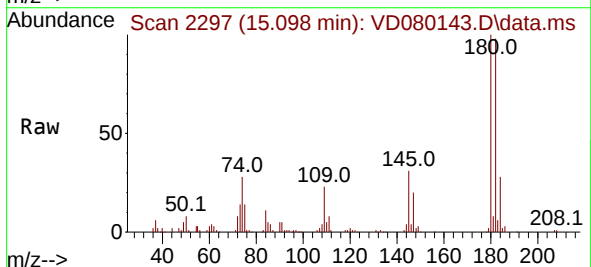
Instrument :
MSVOA_D
ClientSampleId :



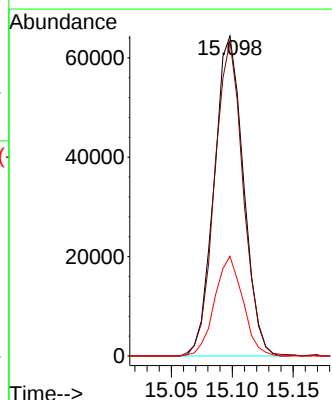
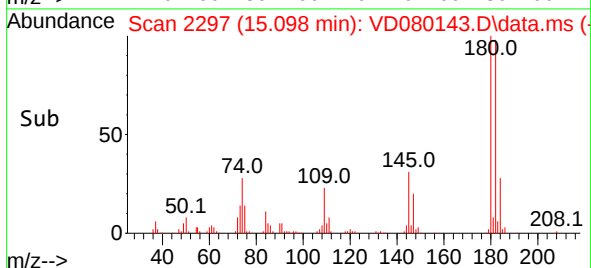
Tgt Ion:	180	Resp:	135709
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.6
184	30.3	23.4	35.2
145	28.9	23.8	35.6

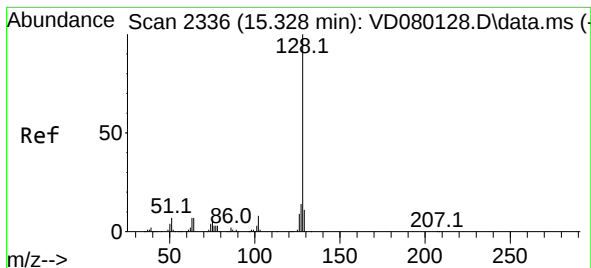


#70
1,2,4-trichlorobenzene
Concen: 22.275 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD080143.D
Acq: 12 Dec 2024 12:35



Tgt Ion:	180	Resp:	107534
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
145	30.0	23.4	35.2





#71

Naphthalene

Concen: 20.494 ug/L

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

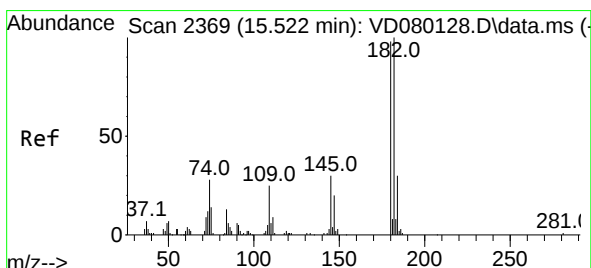
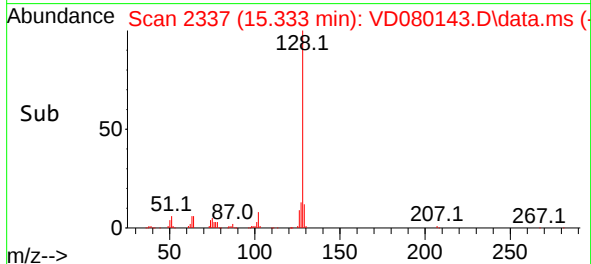
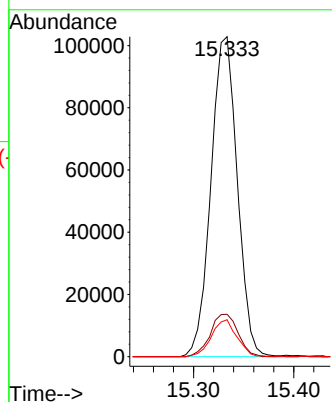
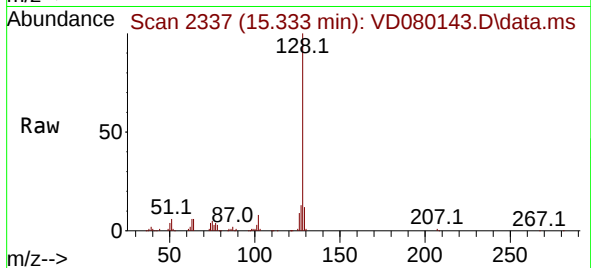
Tgt Ion:128 Resp: 187960

Ion Ratio Lower Upper

128 100

127 14.0 11.2 16.8

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 20.962 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD080143.D

Acq: 12 Dec 2024 12:35

Tgt Ion:180 Resp: 101843

Ion Ratio Lower Upper

180 100

182 92.9 78.1 117.1

145 30.4 25.8 38.8

