

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120924\
 Data File : VD080114.D
 Acq On : 09 Dec 2024 12:42
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 00:20:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM120524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 06 01:10:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	311939	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	298463	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	156304	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	98867	17.792	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.160%
7) Chloroethane-d5	2.793	69	79437	18.332	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.320%
11) 1,1-Dichloroethene-d2	3.911	65	39419	19.777	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.120%
21) 2-Butanone-d5	6.993	46	40852	43.739	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.480%
24) Chloroform-d	7.563	84	185234	21.821	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.280%
26) 1,2-Dichloroethane-d4	8.228	65	95176	21.314	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.240%
32) Benzene-d6	8.199	84	385321	22.415	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.640%
36) 1,2-Dichloropropane-d6	9.205	67	117154	21.686	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.760%
41) Toluene-d8	10.263	98	368590	23.014	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.040%
43) trans-1,3-Dichloroprop...	10.522	79	51084	22.347	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.400%
47) 2-Hexanone-d5	10.875	63	35044	44.978	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.960%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	99107	22.754	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	13.810	152	128285	23.440	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	142285	27.813	ug/L	98
3) Chloromethane	2.152	50	97571	19.922	ug/L	94
5) Vinyl chloride	2.276	62	135372	21.924	ug/L	92
6) Bromomethane	2.687	94	82521	23.398	ug/L	98
8) Chloroethane	2.834	64	78168	20.969	ug/L	99
9) Trichlorofluoromethane	3.164	101	201014	24.831	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	121098	25.744	ug/L	97
12) 1,1-Dichloroethene	3.934	96	107848	25.041	ug/L	87
13) Acetone	4.028	43	68920	42.665	ug/L	97
14) Carbon disulfide	4.264	76	371099	23.643	ug/L	100
15) Methyl Acetate	4.558	43	44618	22.433	ug/L #	80
16) Methylene chloride	4.799	84	120429	24.097	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	118961	24.930	ug/L	93
18) Methyl tert-butyl Ether	5.322	73	228927	24.066	ug/L	97
19) 1,1-Dichloroethane	6.111	63	196890	23.030	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	124439	24.112	ug/L	97
22) 2-Butanone	7.081	43	73275	43.563	ug/L	96
23) Bromochloromethane	7.422	128	59516	24.953	ug/L	96
25) Chloroform	7.593	83	224686	23.948	ug/L	98

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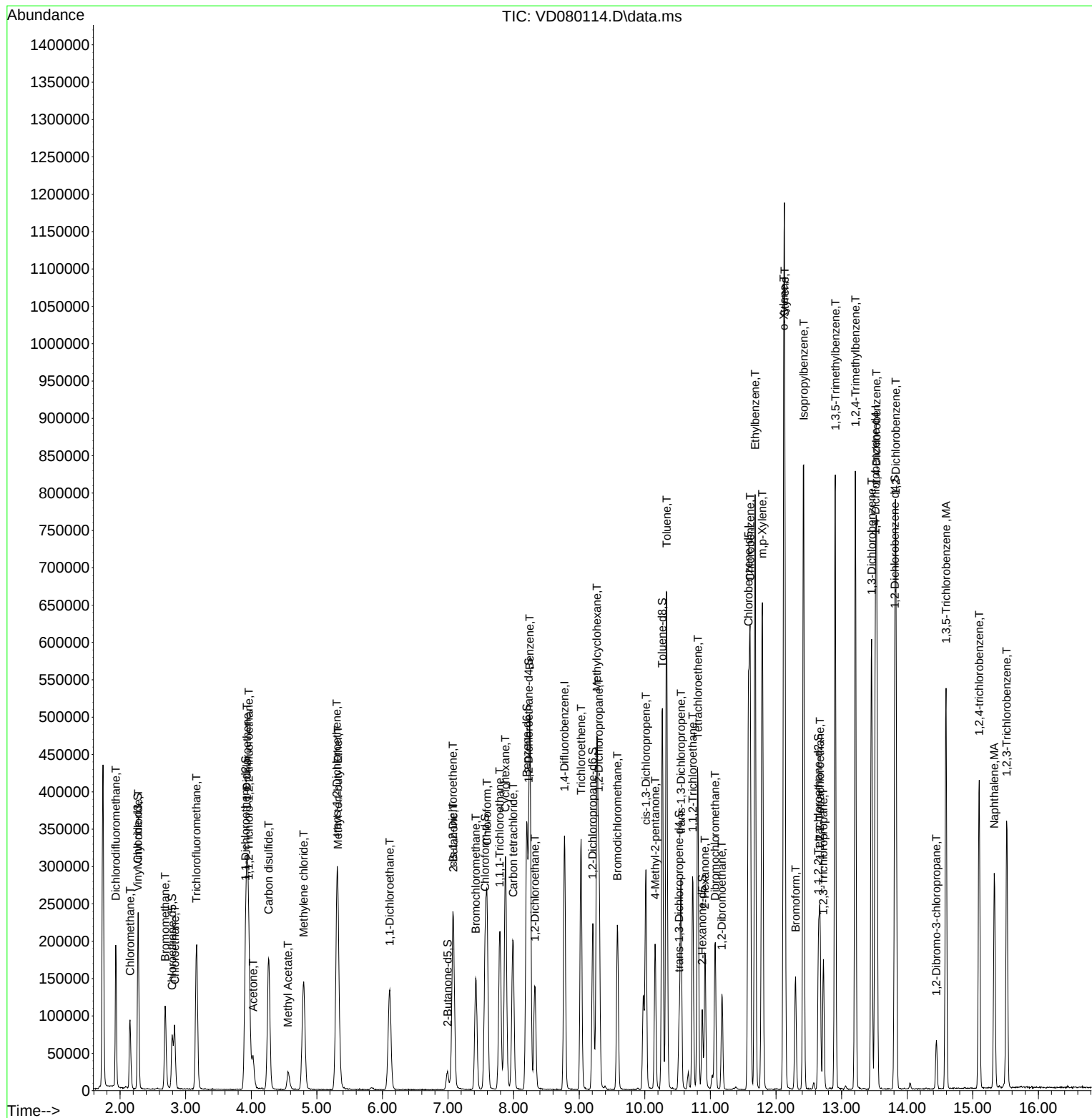
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	126964	23.275	ug/L #	94
29) Cyclohexane	7.875	56	169522	25.009	ug/L	99
30) 1,1,1-Trichloroethane	7.787	97	182210	24.927	ug/L	99
31) Carbon tetrachloride	7.993	117	163598	25.183	ug/L	99
33) Benzene	8.246	78	472732	24.442	ug/L	100
34) Trichloroethene	9.028	95	122248	24.364	ug/L	96
35) Methylcyclohexane	9.269	83	192384	25.342	ug/L	98
37) 1,2-Dichloropropane	9.299	63	122890	24.057	ug/L	100
38) Bromodichloromethane	9.581	83	155042	24.399	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	182024	23.634	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	125518	48.030	ug/L	98
42) Toluene	10.334	91	523774	25.521	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	160441	24.665	ug/L	96
45) 1,1,2-Trichloroethane	10.728	97	93754	24.606	ug/L	98
46) Tetrachloroethene	10.810	164	103697	25.468	ug/L	90
48) 2-Hexanone	10.916	43	110949	47.413	ug/L	98
49) Dibromochloromethane	11.069	129	109640	24.978	ug/L	94
50) 1,2-Dibromoethane	11.175	107	88070	24.743	ug/L #	99
51) Chlorobenzene	11.604	112	331444	24.912	ug/L	95
52) Ethylbenzene	11.681	91	567326	25.433	ug/L	100
53) m,p-Xylene	11.793	106	218997	25.715	ug/L	95
54) o-Xylene	12.116	106	205679	25.067	ug/L	97
55) Styrene	12.134	104	371592	25.651	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	112405	25.335	ug/L	98
59) Bromoform	12.299	173	72250	26.045	ug/L	98
60) Isopropylbenzene	12.422	105	557322	25.383	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	73710	23.573	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	440333	25.337	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	437442	25.496	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	266214	25.313	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	272425	25.231	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	239642	24.985	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	16504	22.526	ug/L #	74
69) 1,3,5-Trichlorobenzene	14.592	180	176533	24.505	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	144287	24.376	ug/L	98
71) Naphthalene	15.328	128	256063	23.326	ug/L	100
72) 1,2,3-Trichlorobenzene	15.516	180	128363	23.542	ug/L	99

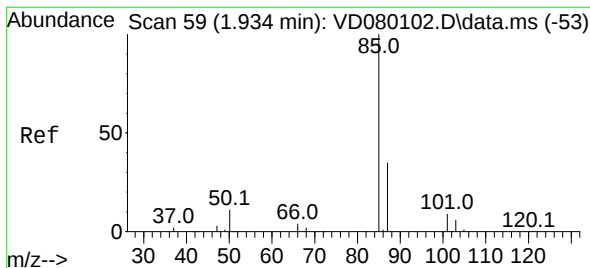
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.813 ug/L

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min MSVOA_D

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

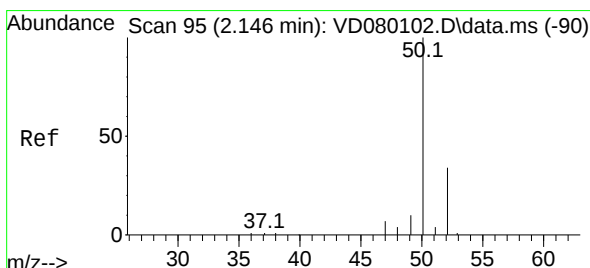
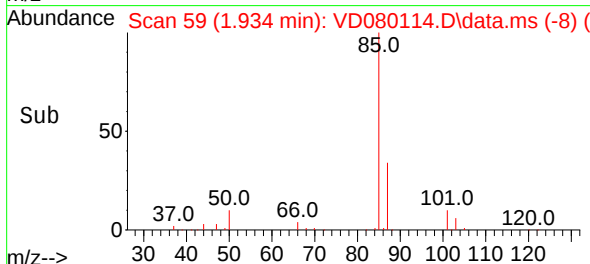
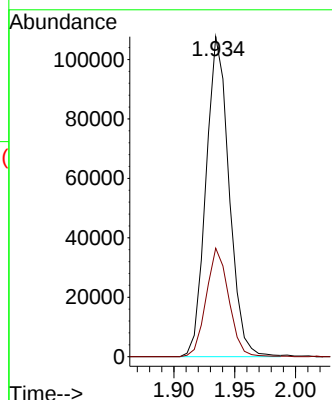
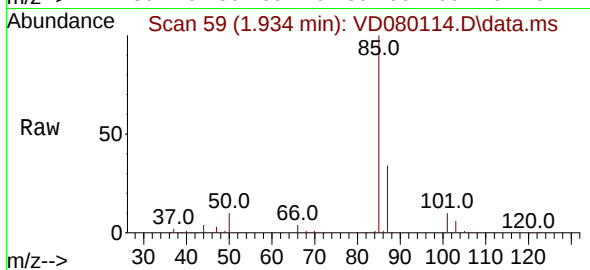
ClientSampleId :

Tgt Ion: 85 Resp: 142285

Ion Ratio Lower Upper

85 100

87 33.0 25.4 38.2



#3

Chloromethane

Concen: 19.922 ug/L

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD080114.D

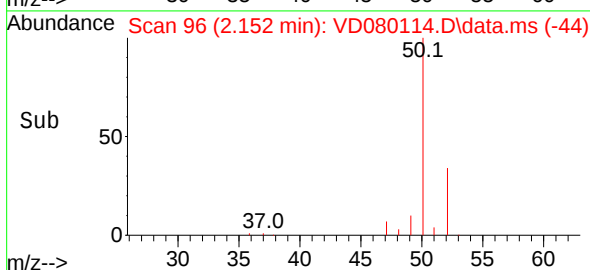
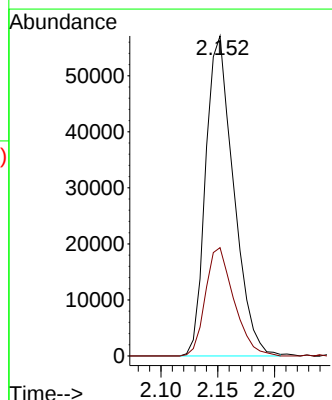
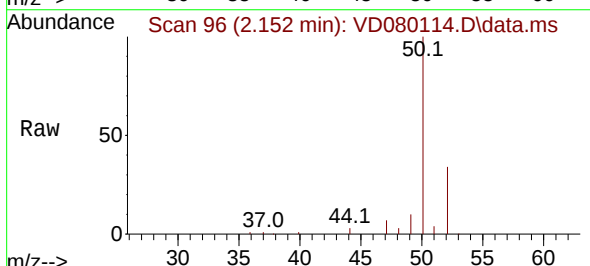
Acq: 09 Dec 2024 12:42

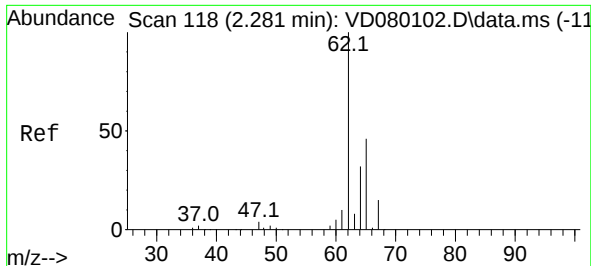
Tgt Ion: 50 Resp: 97571

Ion Ratio Lower Upper

50 100

52 33.9 21.6 40.0

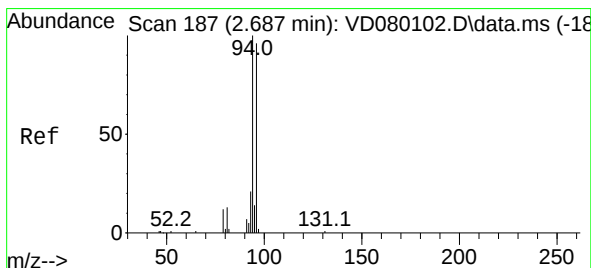
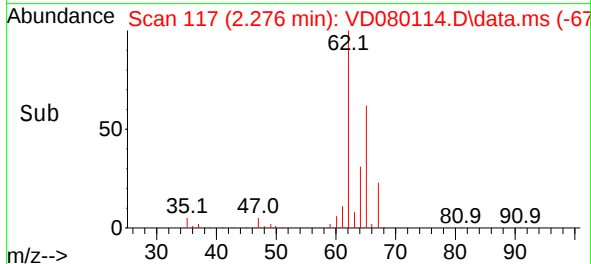
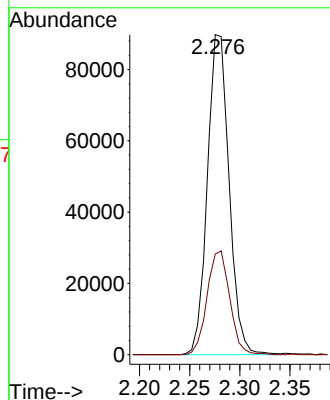
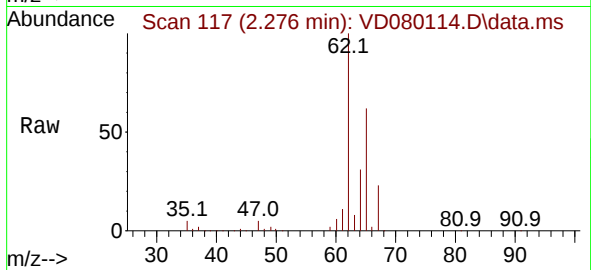




#5
Vinyl chloride
Concen: 21.924 ug/L
RT: 2.276 min Scan# 118
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

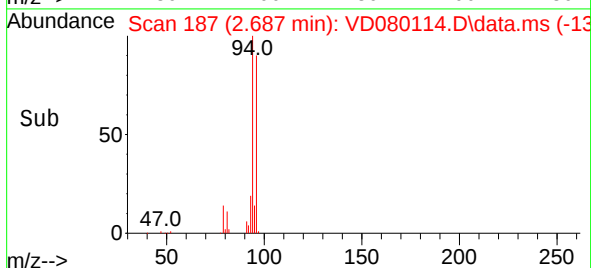
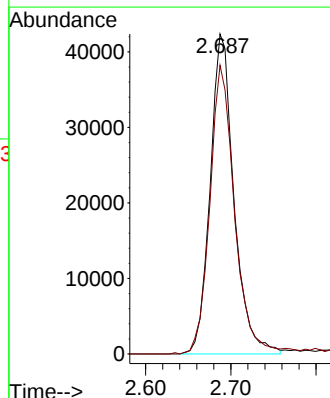
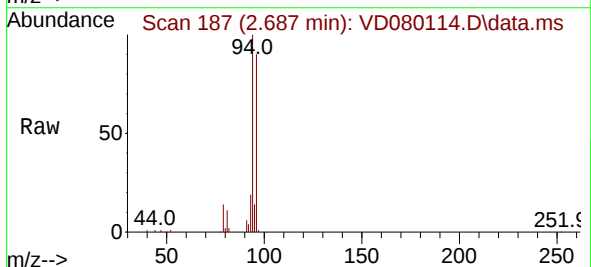
Instrument :
MSVOA_D
ClientSampleId :

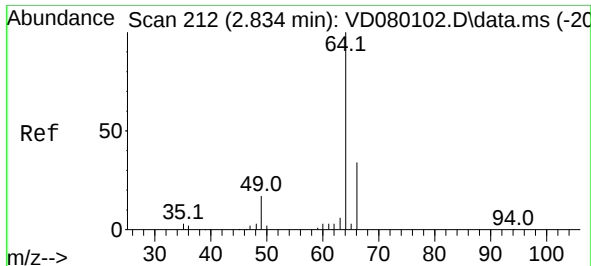
Tgt Ion: 62 Resp: 135372
Ion Ratio Lower Upper
62 100
64 31.4 25.1 46.7



#6
Bromomethane
Concen: 23.398 ug/L
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 94 Resp: 82521
Ion Ratio Lower Upper
94 100
96 90.2 64.5 119.7

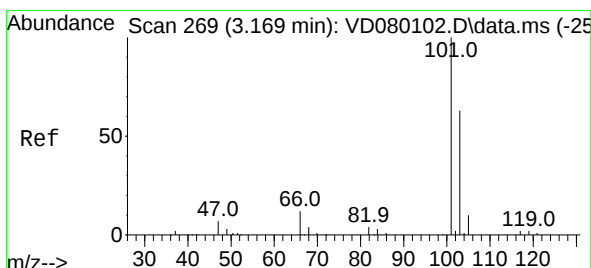
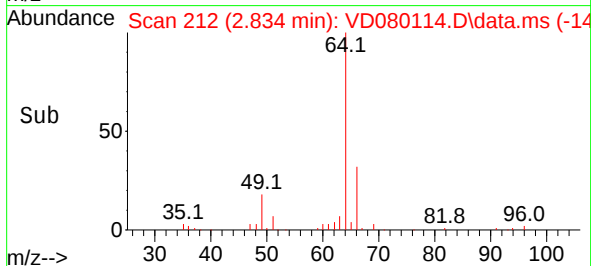
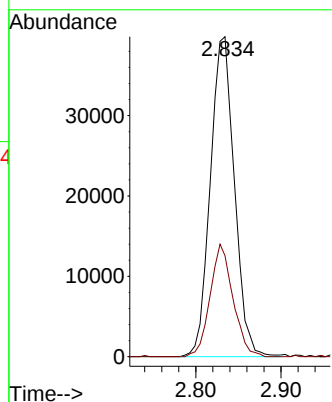
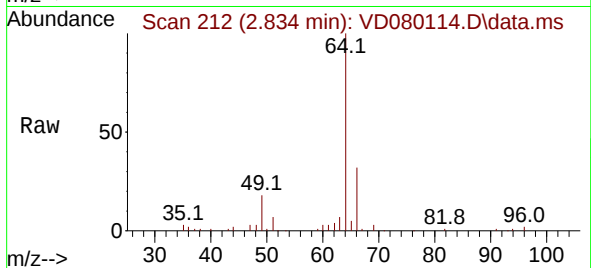




#8
Chloroethane
Concen: 20.969 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

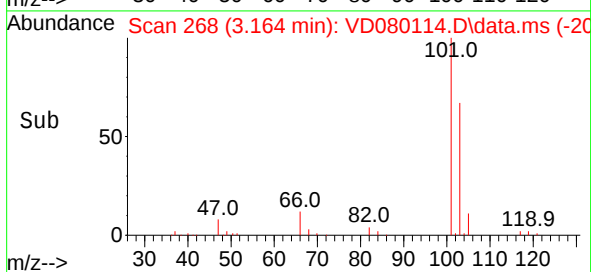
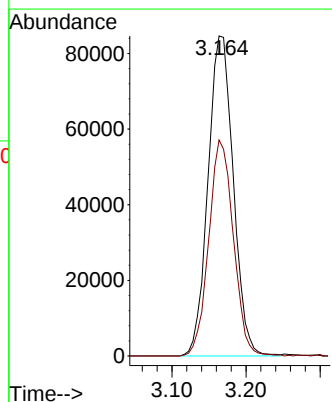
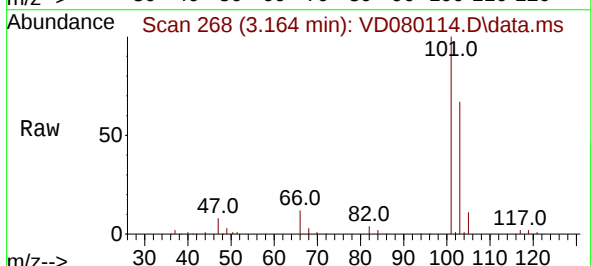
Instrument :
MSVOA_D
ClientSampleId :

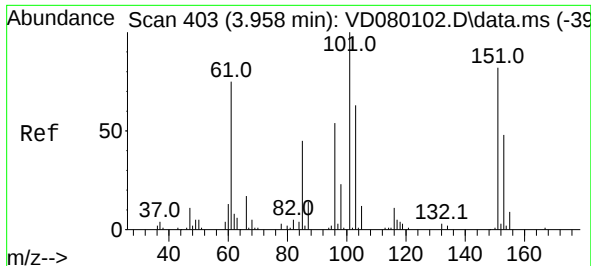
Tgt Ion: 64 Resp: 78168
Ion Ratio Lower Upper
64 100
66 31.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 24.831 ug/L
RT: 3.164 min Scan# 268
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:101 Resp: 201014
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.744 ug/L

RT: 3.964 min Scan# 403

Delta R.T. 0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :

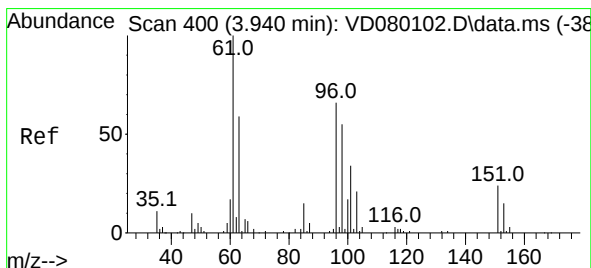
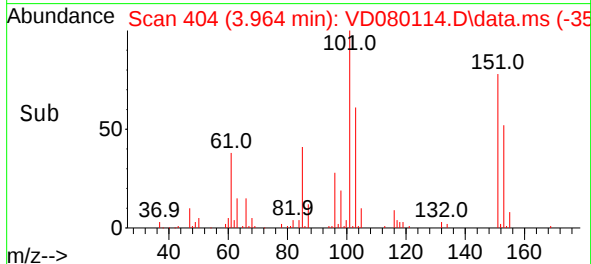
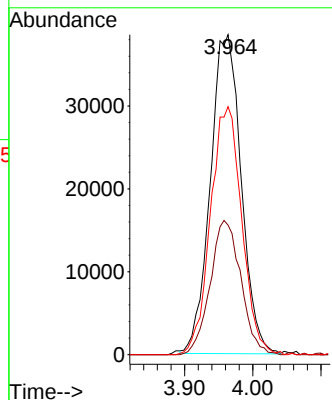
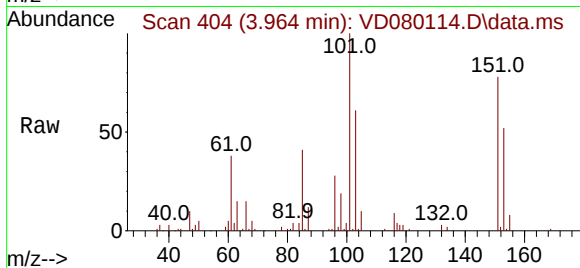
Tgt Ion:101 Resp: 121098

Ion Ratio Lower Upper

101 100

85 41.8 34.9 52.3

151 78.7 60.7 91.1



#12

1,1-Dichloroethene

Concen: 25.041 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

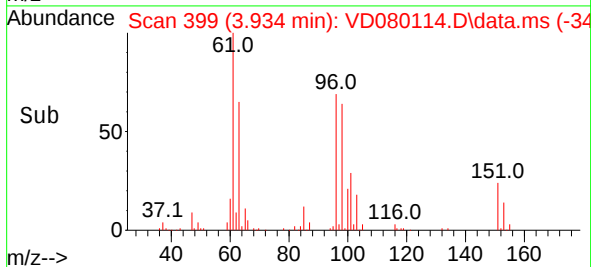
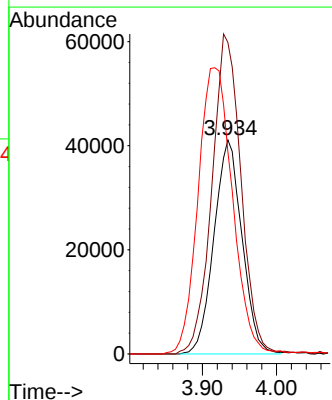
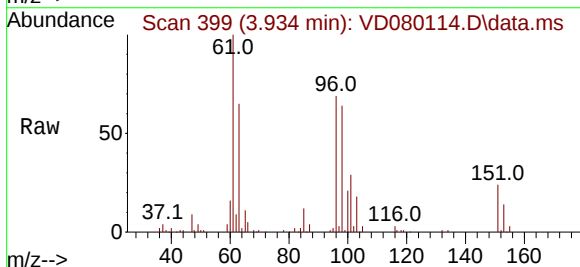
Tgt Ion: 96 Resp: 107848

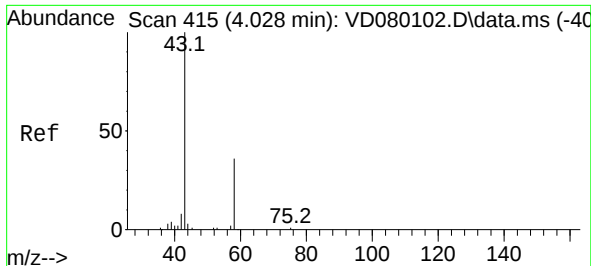
Ion Ratio Lower Upper

96 100

61 145.5 111.2 206.6

63 94.5 78.9 146.5





#13

Acetone

Concen: 42.665 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

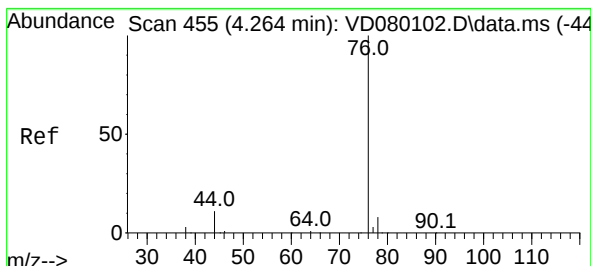
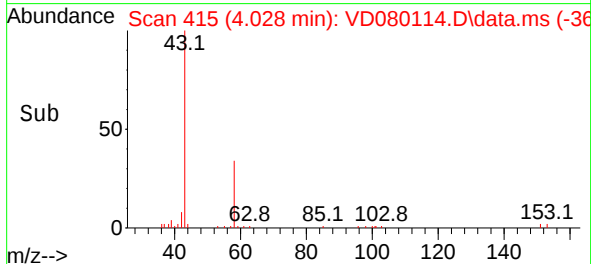
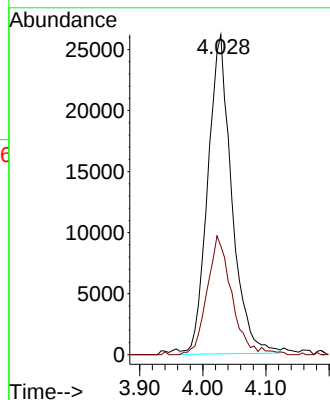
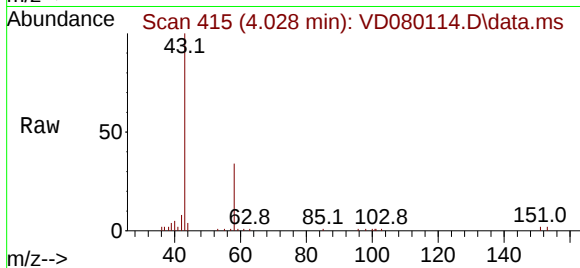
ClientSampleId :

Tgt Ion: 43 Resp: 68920

Ion Ratio Lower Upper

43 100

58 37.4 0.0 71.8



#14

Carbon disulfide

Concen: 23.643 ug/L

RT: 4.264 min Scan# 455

Delta R.T. 0.000 min

Lab File: VD080114.D

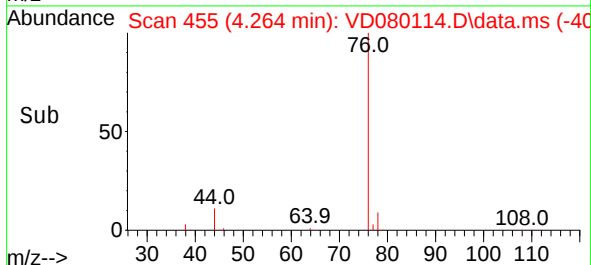
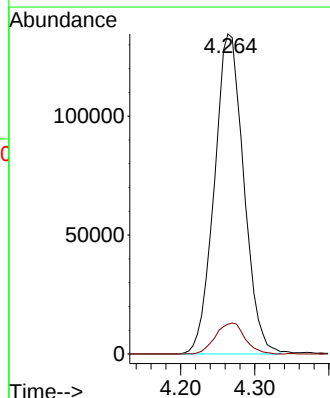
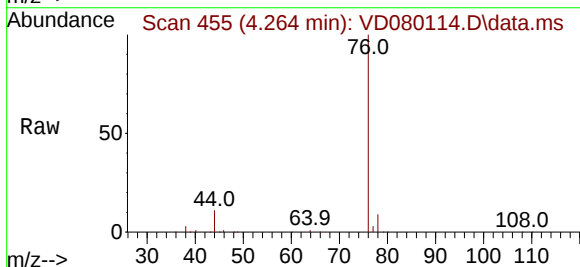
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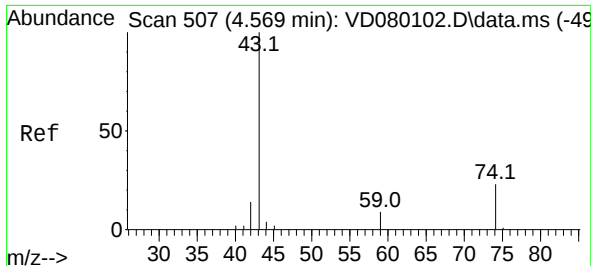
Tgt Ion: 76 Resp: 371099

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 22.433 ug/L

RT: 4.558 min Scan# 507

Delta R.T. -0.012 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

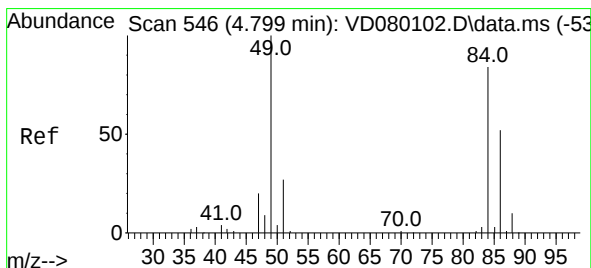
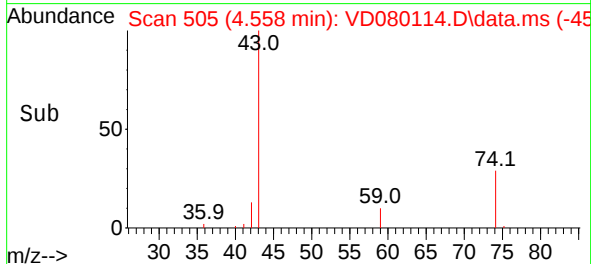
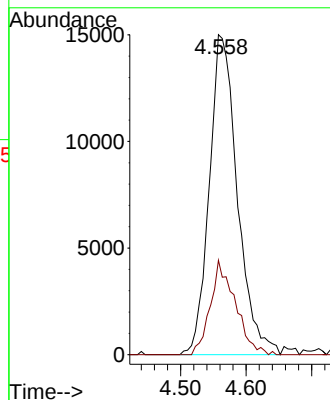
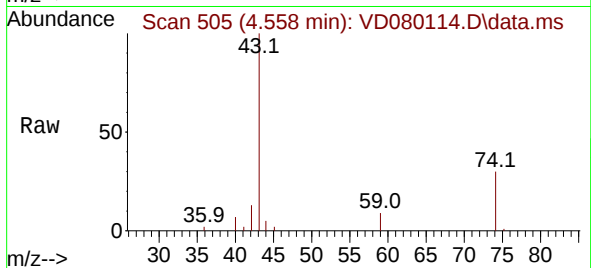
ClientSampleId :

Tgt Ion: 43 Resp: 44618

Ion Ratio Lower Upper

43 100

74 25.7 0.2 0.2#



#16

Methylene chloride

Concen: 24.097 ug/L

RT: 4.799 min Scan# 546

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

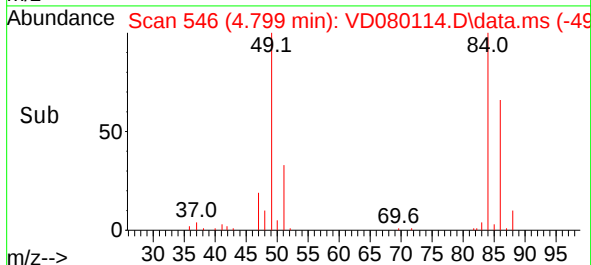
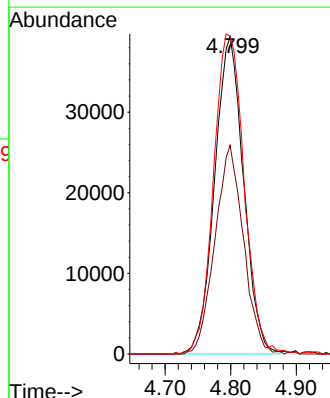
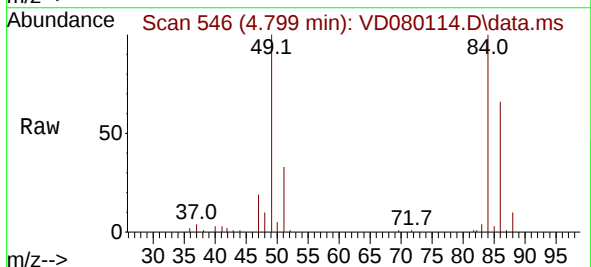
Tgt Ion: 84 Resp: 120429

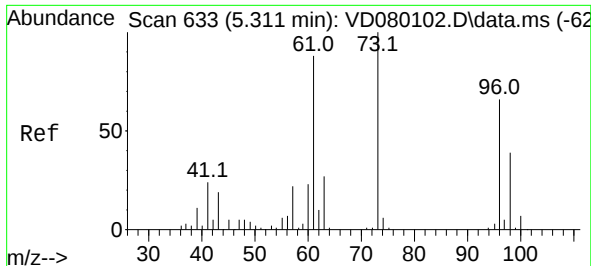
Ion Ratio Lower Upper

84 100

86 65.8 45.4 84.4

49 100.1 77.3 143.7

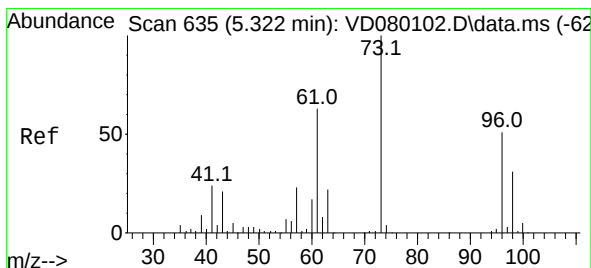
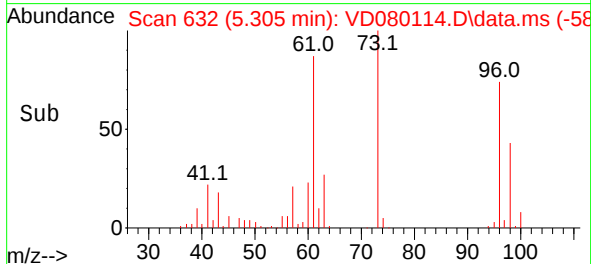
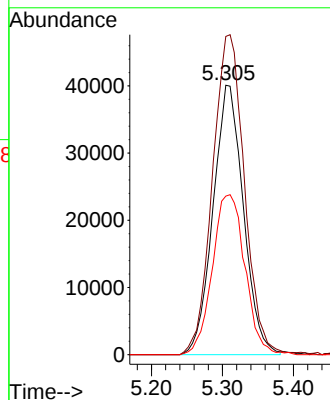
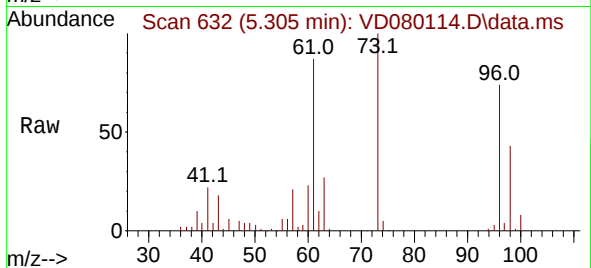




#17
trans-1,2-Dichloroethene
Concen: 24.930 ug/L
RT: 5.305 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

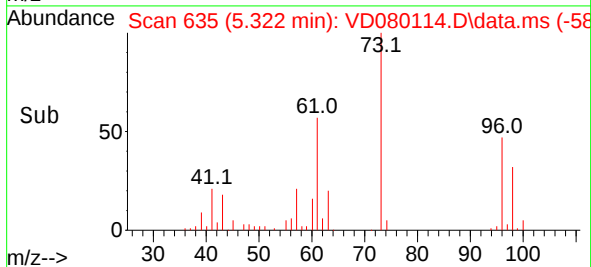
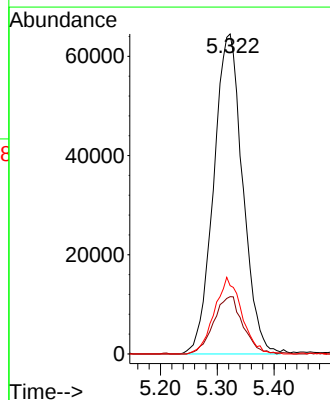
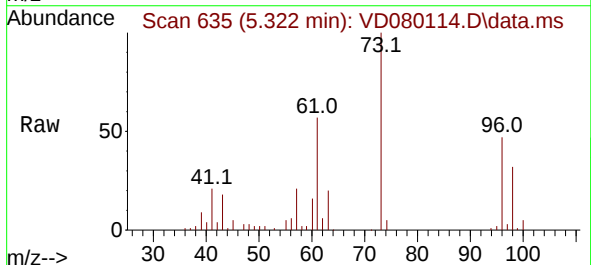
Instrument :
MSVOA_D
ClientSampleId :

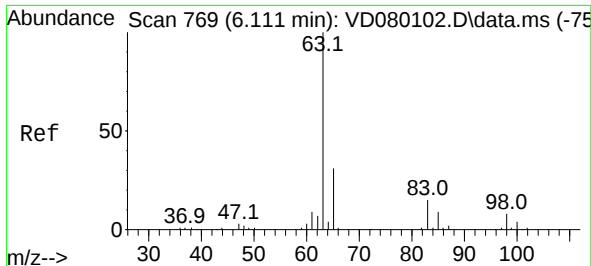
Tgt Ion: 96 Resp: 118961
Ion Ratio Lower Upper
96 100
61 118.1 91.1 169.3
98 58.8 41.6 77.2



#18
Methyl tert-butyl Ether
Concen: 24.066 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 73 Resp: 228927
Ion Ratio Lower Upper
73 100
43 18.0 16.1 24.1
57 22.4 18.5 27.7

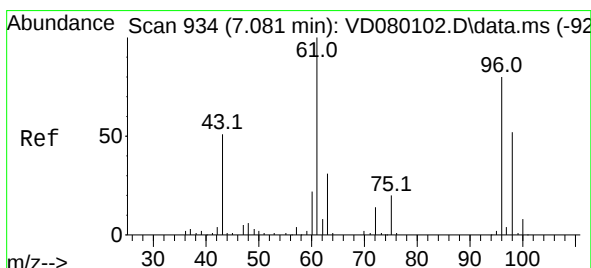
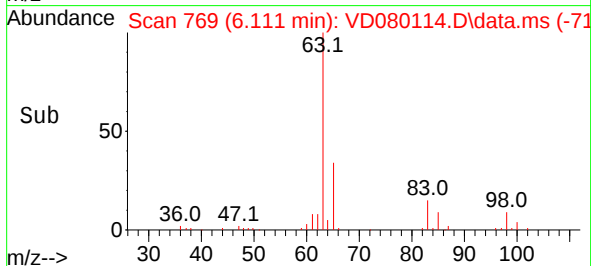
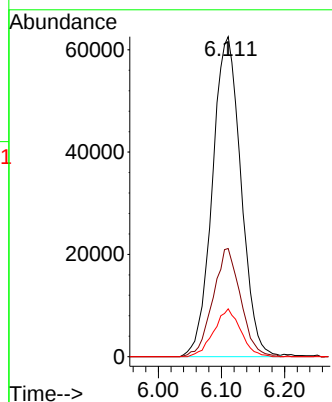
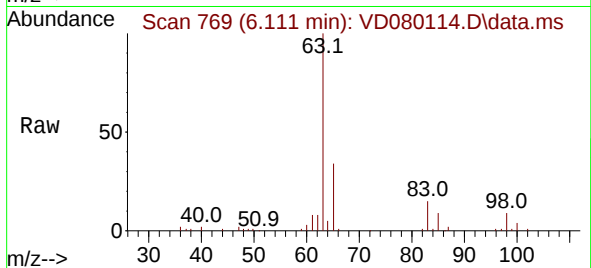




#19
1,1-Dichloroethane
Concen: 23.030 ug/L
RT: 6.111 min Scan# 769
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

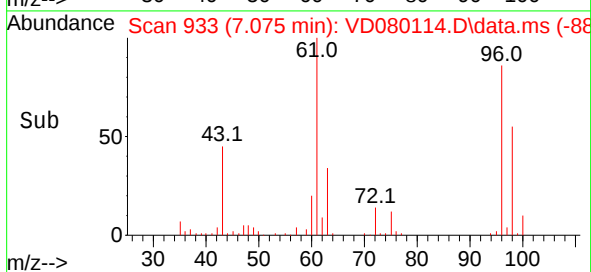
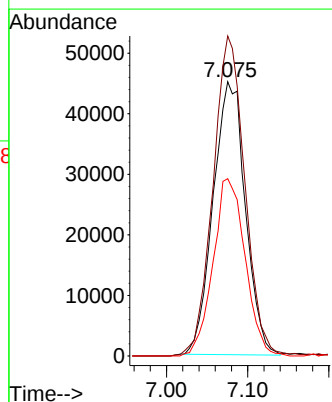
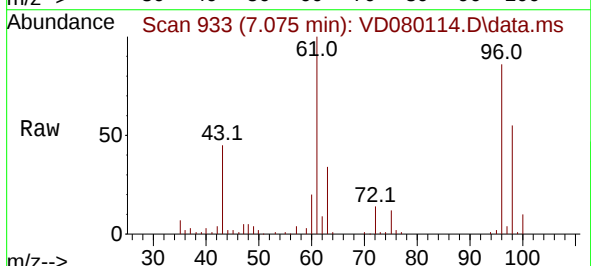
Instrument :
MSVOA_D
ClientSampleId :

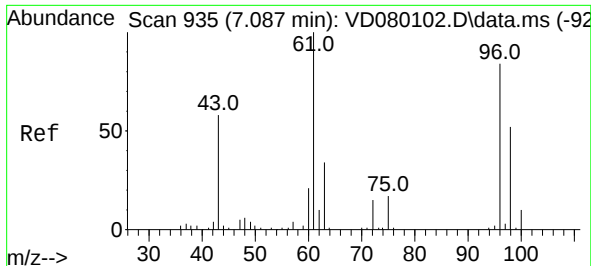
Tgt Ion:	63	Resp:	196890
Ion Ratio	Lower	Upper	
63	100		
65	33.8	21.9	40.7
83	15.0	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 24.112 ug/L
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:	96	Resp:	124439
Ion Ratio	Lower	Upper	
96	100		
61	116.7	84.8	157.4
98	64.7	44.4	82.5

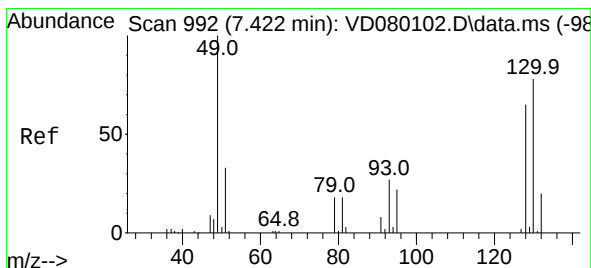
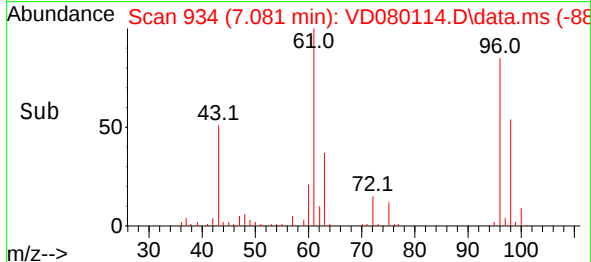
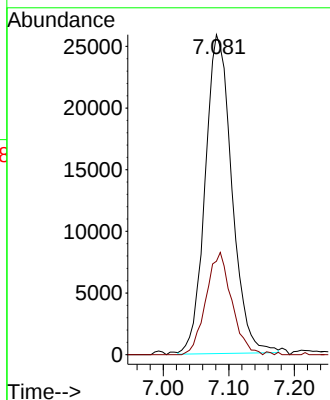
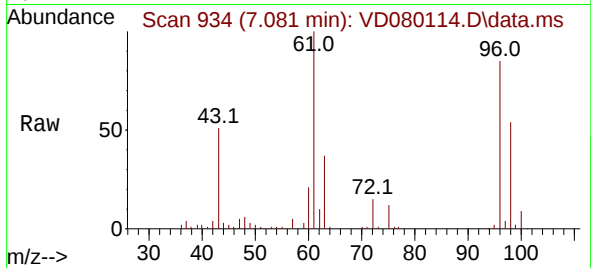




#22
2-Butanone
Concen: 43.563 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

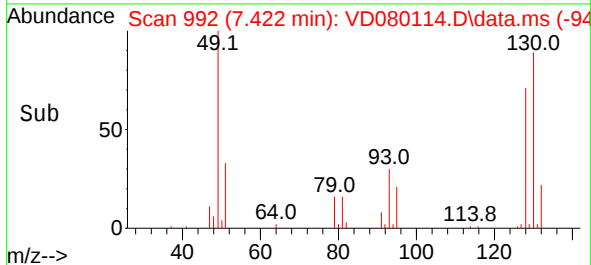
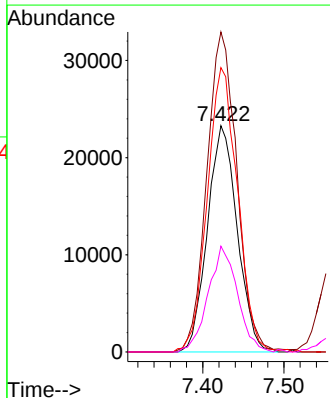
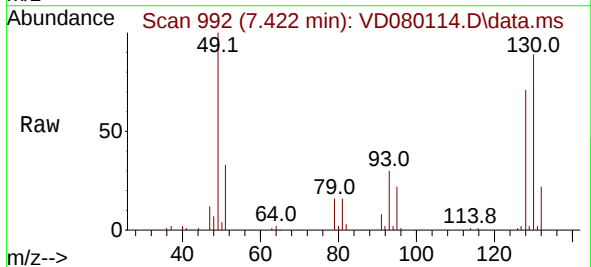
Instrument :
MSVOA_D
ClientSampleId :

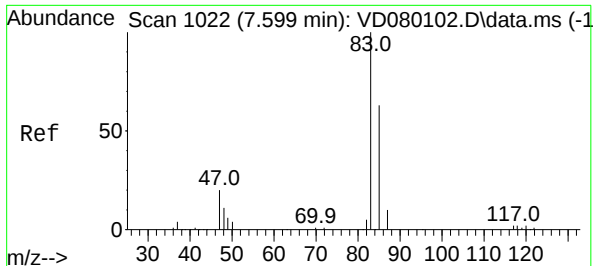
Tgt Ion: 43 Resp: 73275
Ion Ratio Lower Upper
43 100
72 30.7 14.3 42.9



#23
Bromochloromethane
Concen: 24.953 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:128 Resp: 59516
Ion Ratio Lower Upper
128 100
49 141.4 103.2 191.6
130 125.6 90.6 168.2
51 46.7 38.6 57.8





#25

Chloroform

Concen: 23.948 ug/L

RT: 7.593 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

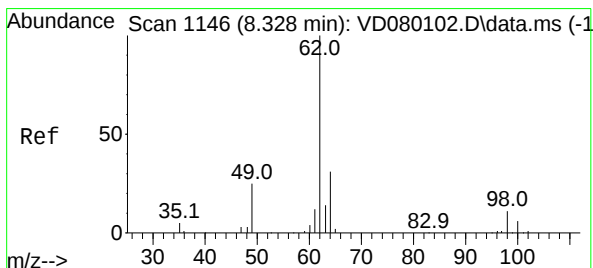
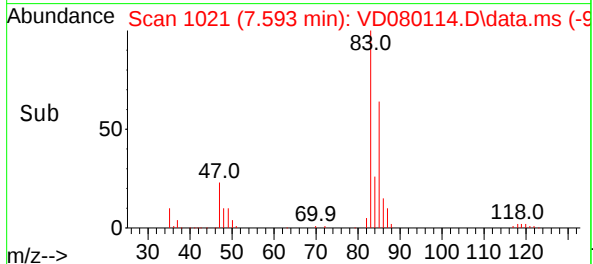
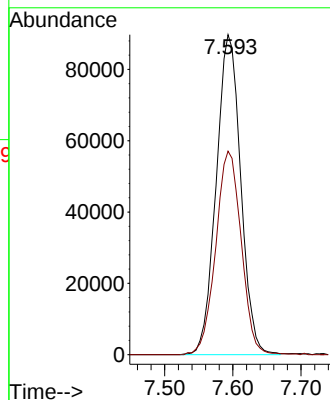
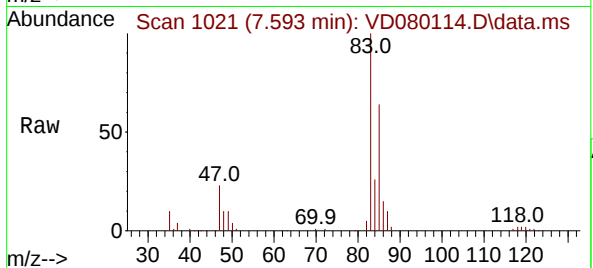
ClientSampleId :

Tgt Ion: 83 Resp: 224686

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 23.275 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD080114.D

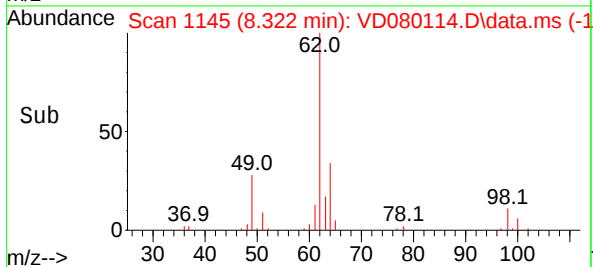
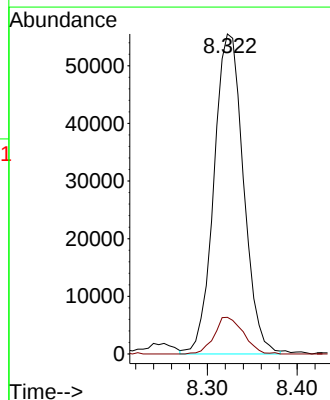
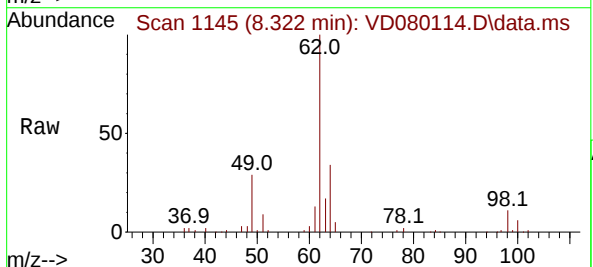
Acq: 09 Dec 2024 12:42

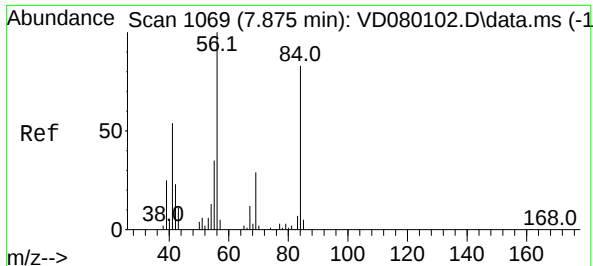
Tgt Ion: 62 Resp: 126964

Ion Ratio Lower Upper

62 100

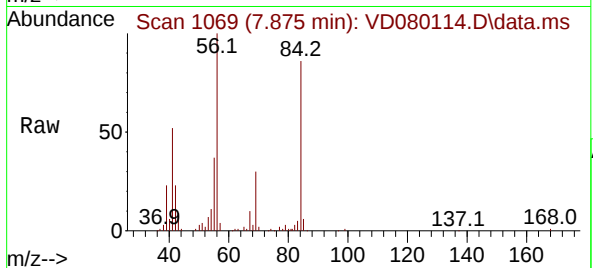
98 11.5 7.5 11.3#



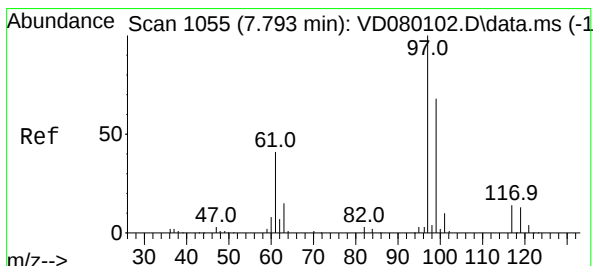
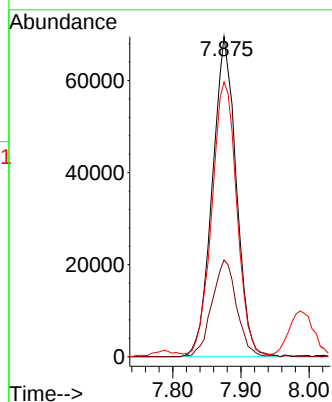
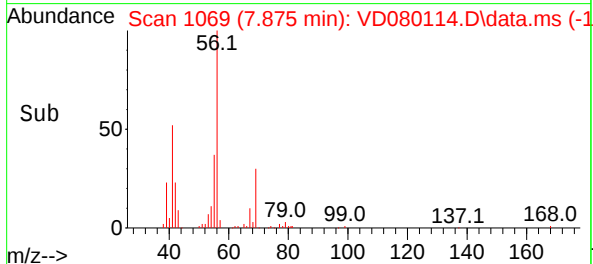


#29
Cyclohexane
Concen: 25.009 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Instrument :
MSVOA_D
ClientSampleId :

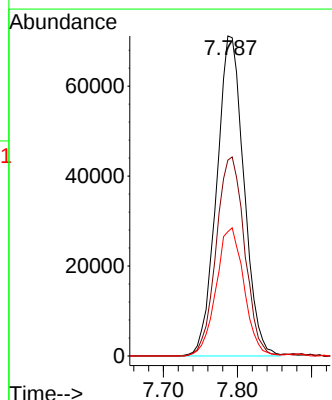
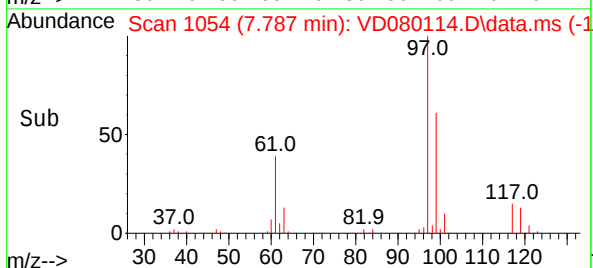
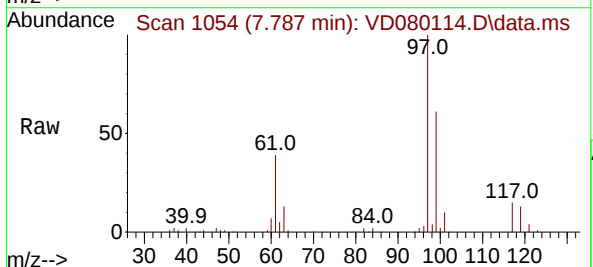


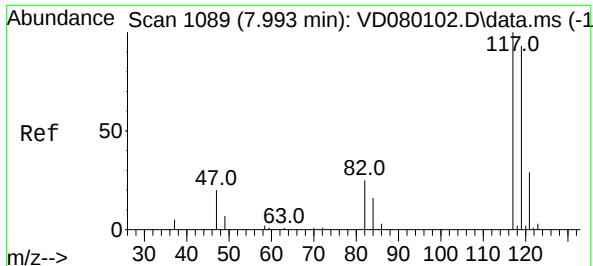
Tgt Ion: 56 Resp: 169522
Ion Ratio Lower Upper
56 100
69 31.1 25.6 38.4
84 90.1 71.0 106.6



#30
1,1,1-Trichloroethane
Concen: 24.927 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 97 Resp: 182210
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 40.8 34.3 51.5

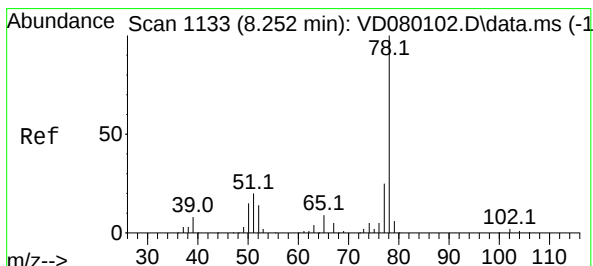
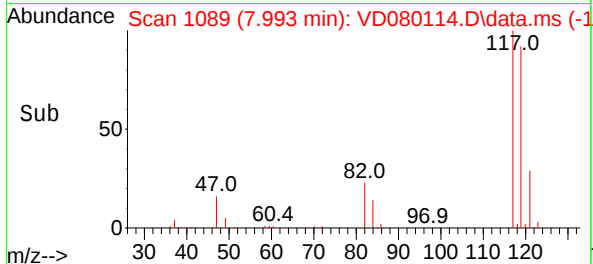
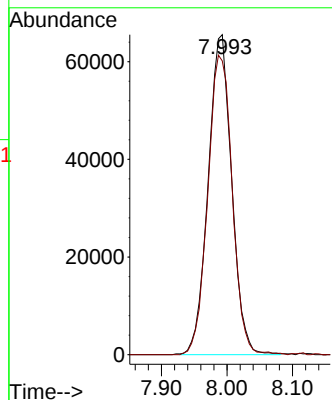
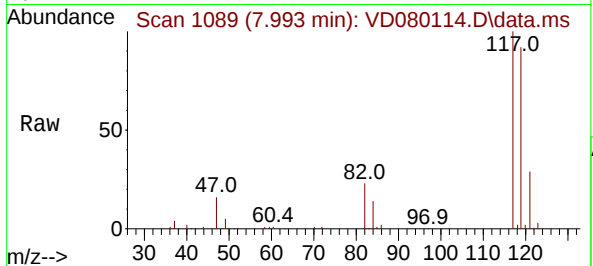




#31
Carbon tetrachloride
Concen: 25.183 ug/L
RT: 7.993 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

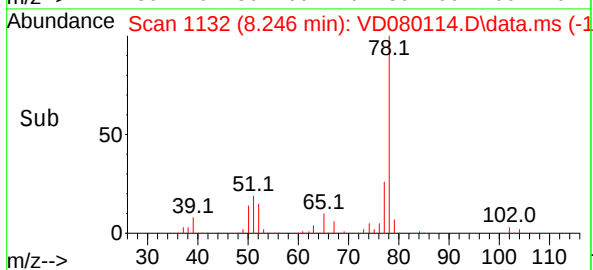
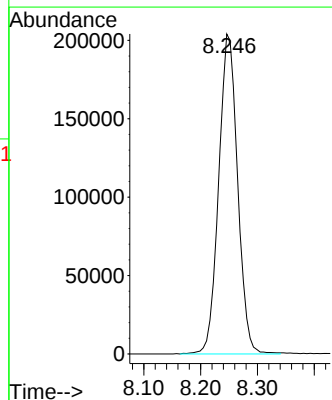
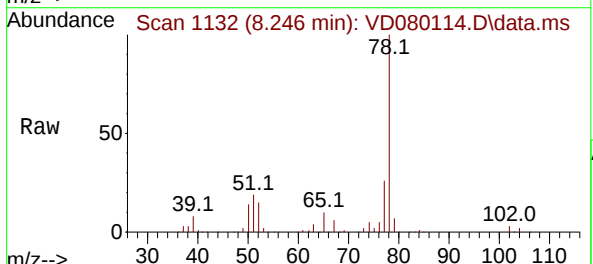
Instrument :
MSVOA_D
ClientSampleId :

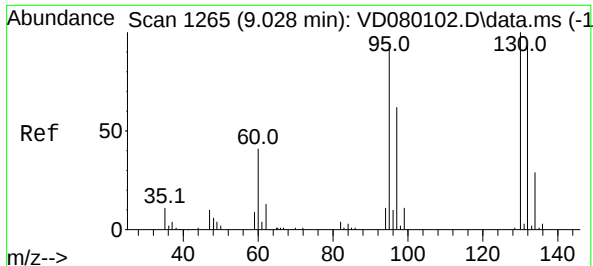
Tgt Ion:117 Resp: 163598
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2



#33
Benzene
Concen: 24.442 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

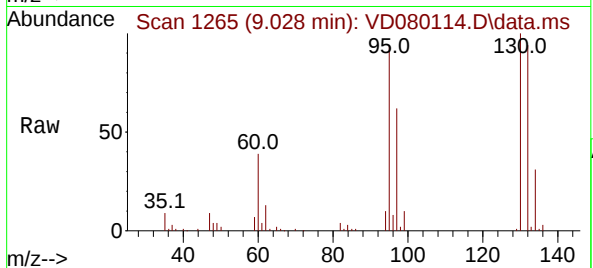
Tgt Ion: 78 Resp: 472732



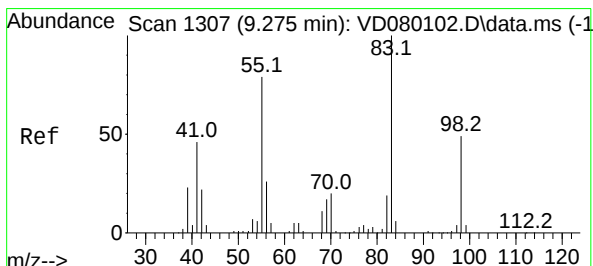
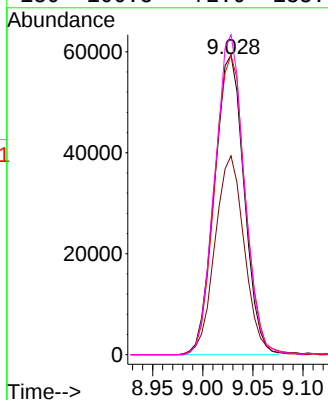
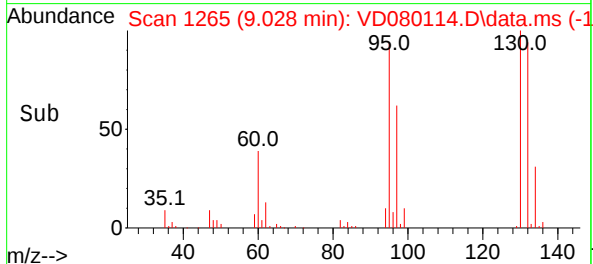


#34
Trichloroethene
Concen: 24.364 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

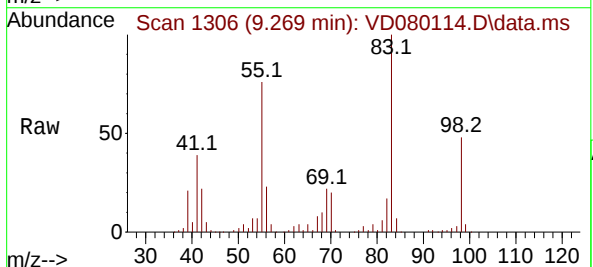
Instrument :
MSVOA_D
ClientSampleId :



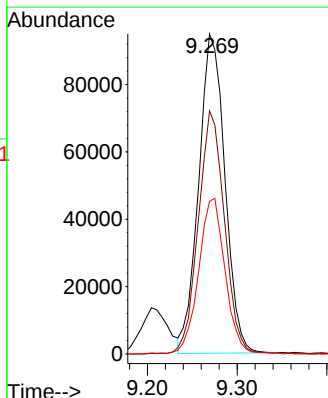
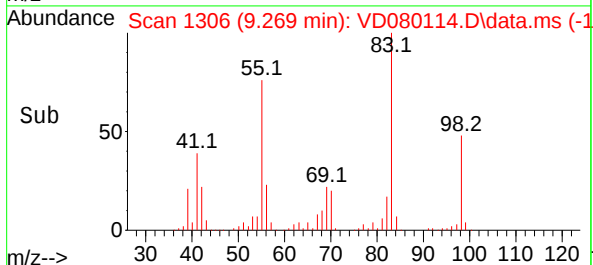
Tgt Ion: 95 Resp: 122248
Ion Ratio Lower Upper
95 100
97 66.4 47.7 88.5
132 99.9 72.8 135.2
130 106.8 72.0 133.6

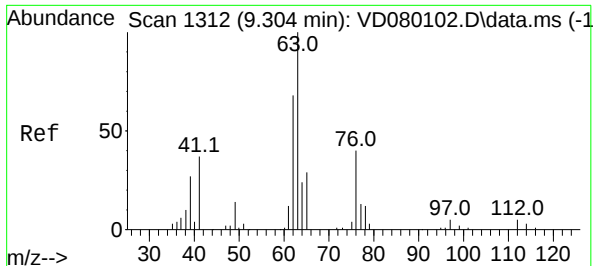


#35
Methylcyclohexane
Concen: 25.342 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42



Tgt Ion: 83 Resp: 192384
Ion Ratio Lower Upper
83 100
55 75.4 61.2 91.8
98 49.2 38.2 57.2

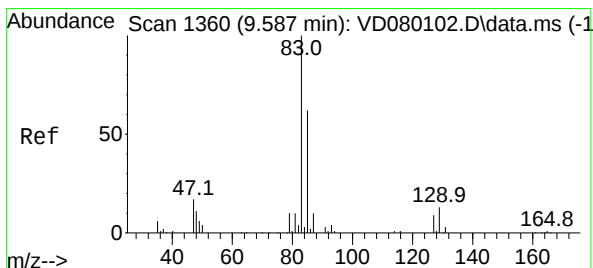
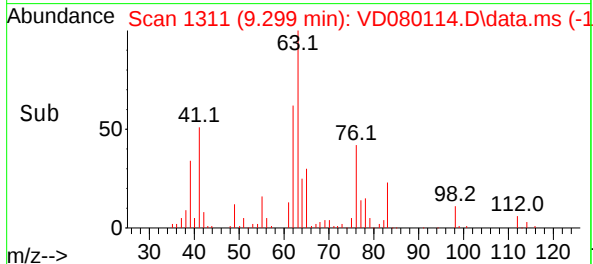
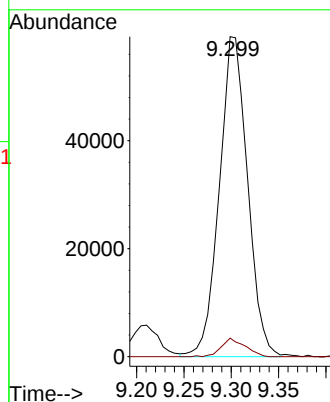
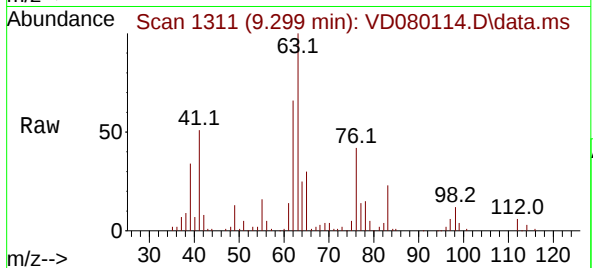




#37
1,2-Dichloropropane
Concen: 24.057 ug/L
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

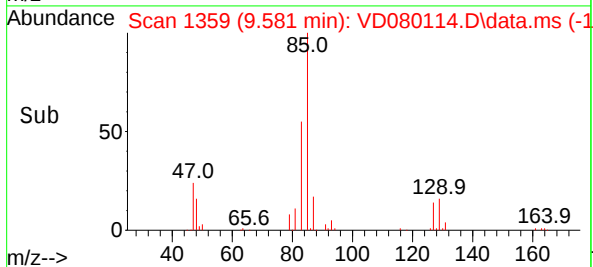
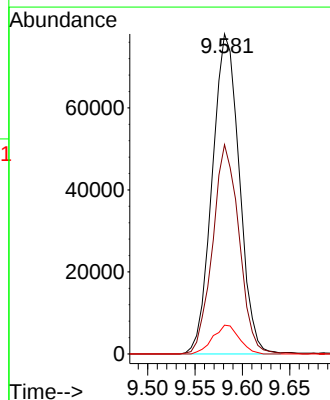
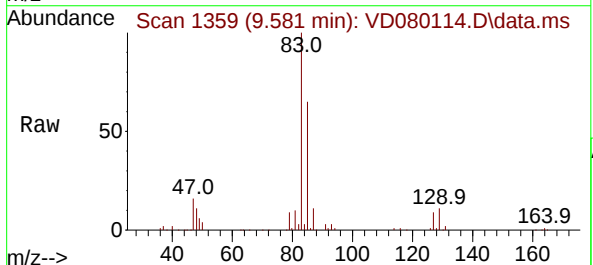
Instrument :
MSVOA_D
ClientSampleId :

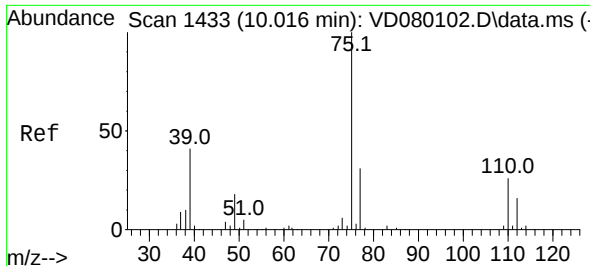
Tgt Ion: 63 Resp: 122890
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.6



#38
Bromodichloromethane
Concen: 24.399 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 83 Resp: 155042
Ion Ratio Lower Upper
83 100
85 65.4 46.0 85.4
127 9.0 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 23.634 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

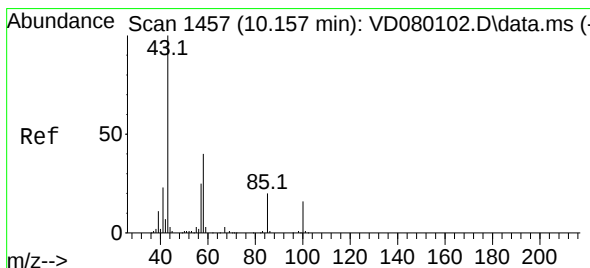
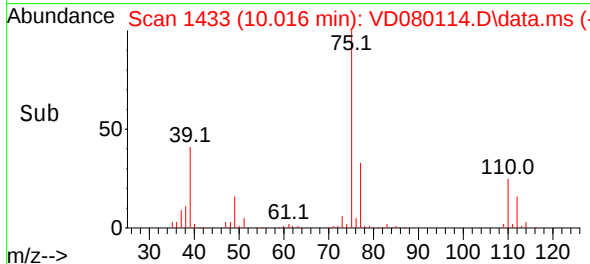
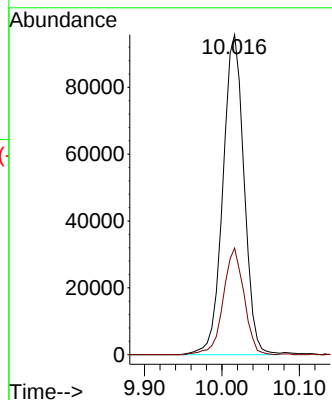
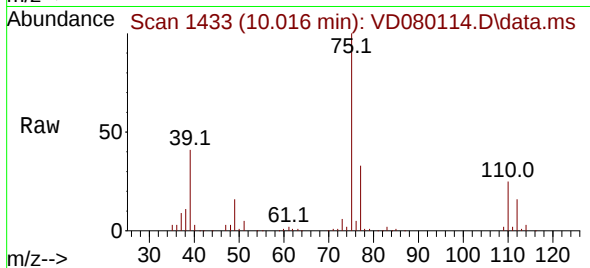
ClientSampleId :

Tgt Ion: 75 Resp: 182024

Ion Ratio Lower Upper

75 100

77 33.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.030 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

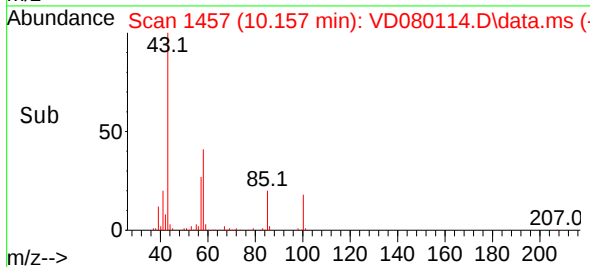
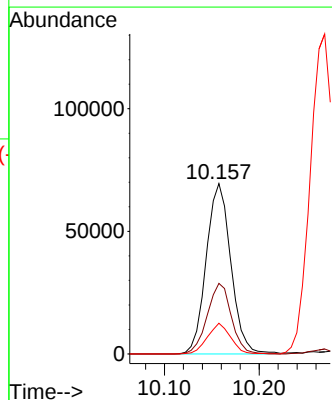
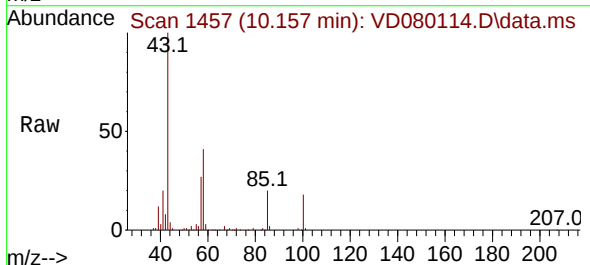
Tgt Ion: 43 Resp: 125518

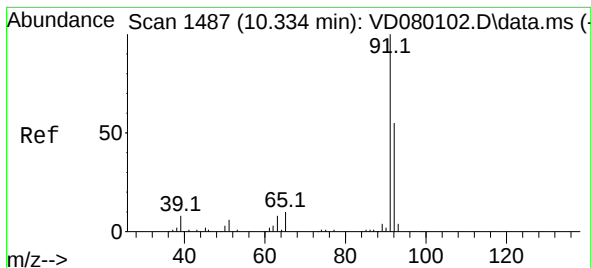
Ion Ratio Lower Upper

43 100

58 40.6 31.5 47.3

100 17.0 12.7 19.1





#42

Toluene

Concen: 25.521 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

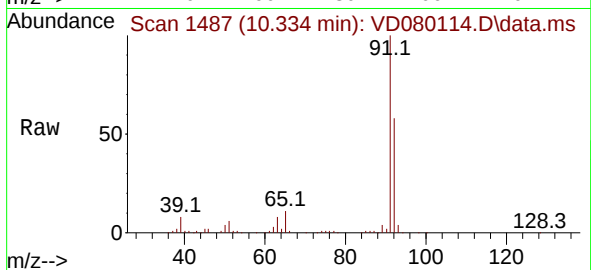
Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :

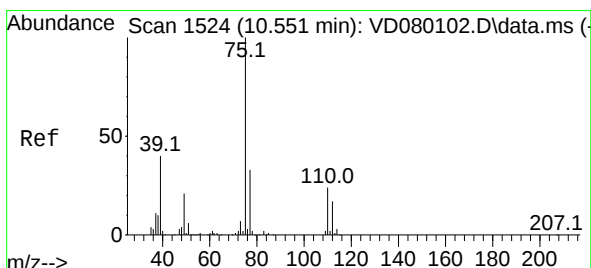
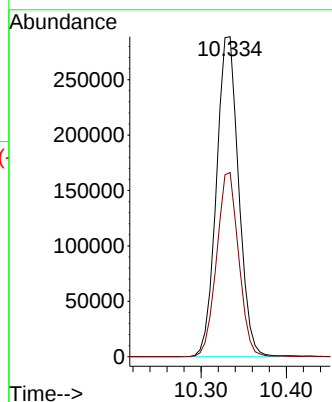
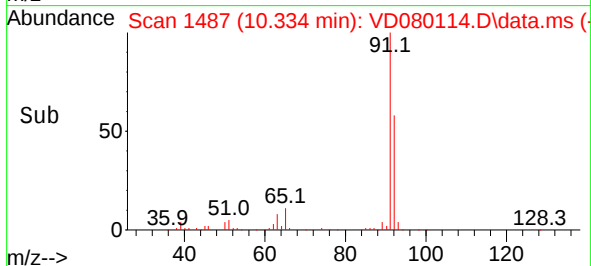


Tgt Ion: 91 Resp: 523774

Ion Ratio Lower Upper

91 100

92 57.5 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 24.665 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080114.D

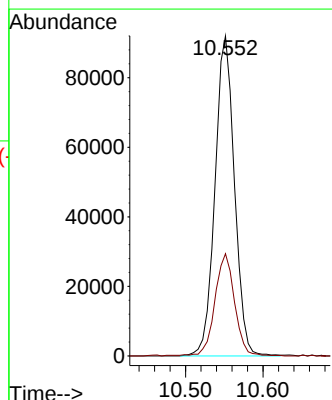
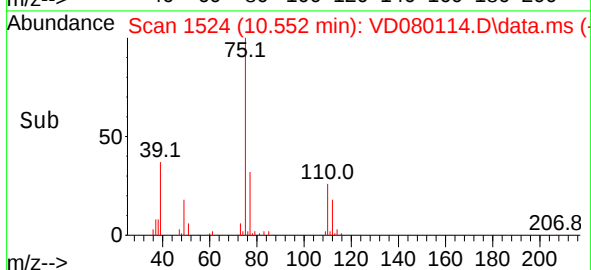
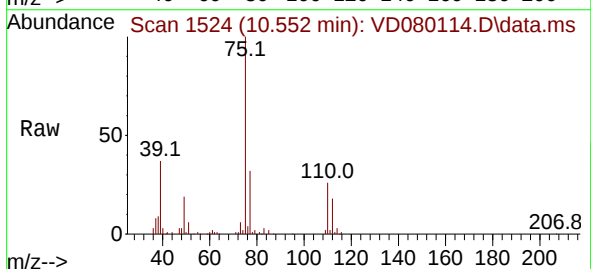
Acq: 09 Dec 2024 12:42

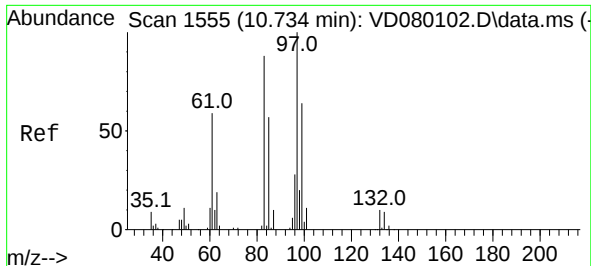
Tgt Ion: 75 Resp: 160441

Ion Ratio Lower Upper

75 100

77 31.9 21.0 39.0





#45

1,1,2-Trichloroethane

Concen: 24.606 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

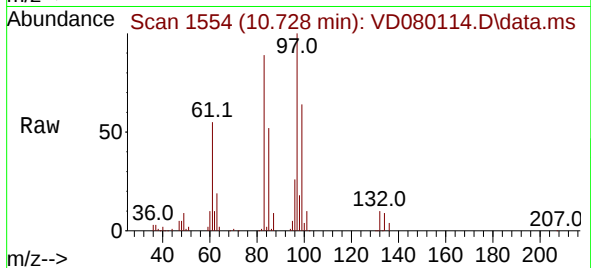
Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 93754

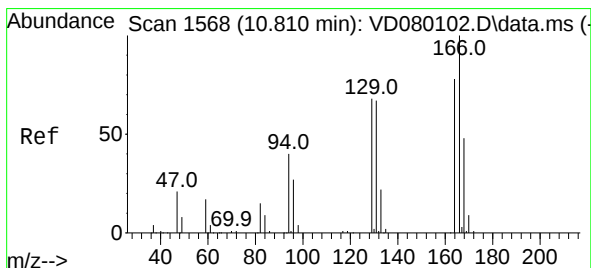
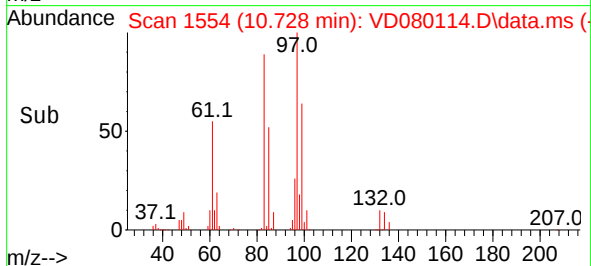
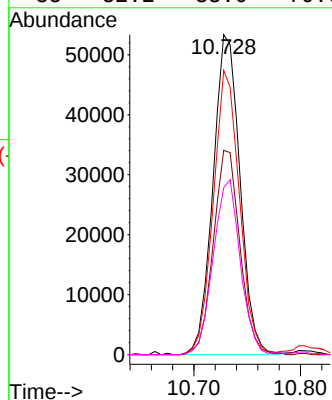
Ion Ratio Lower Upper

97 100

99 63.8 45.2 84.0

83 88.8 61.5 114.3

85 52.2 38.0 70.6



#46

Tetrachloroethene

Concen: 25.468 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Tgt Ion:164 Resp: 103697

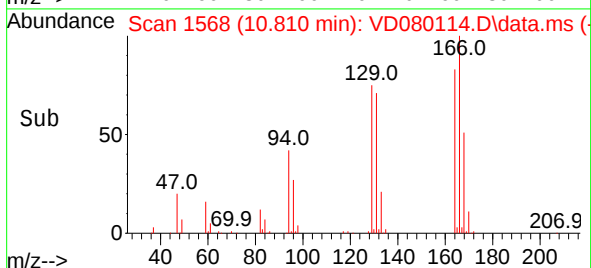
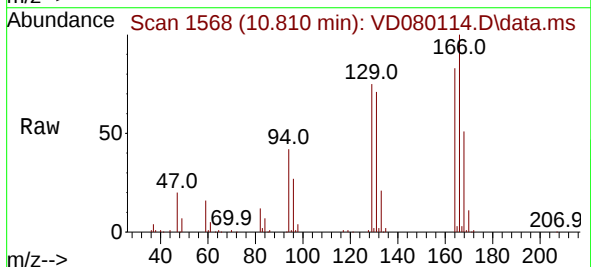
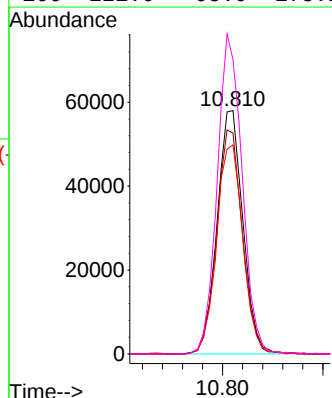
Ion Ratio Lower Upper

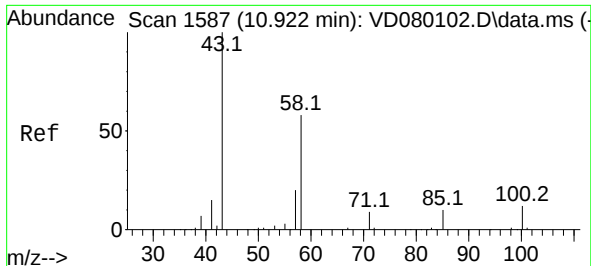
164 100

129 90.7 69.1 128.3

131 85.9 65.4 121.4

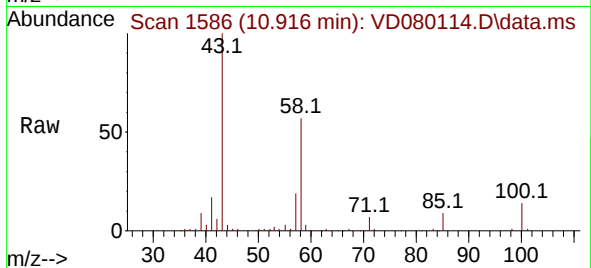
166 121.0 95.9 178.1



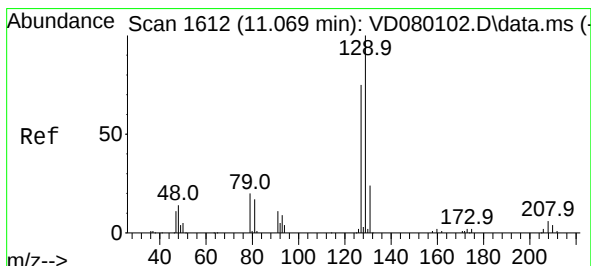
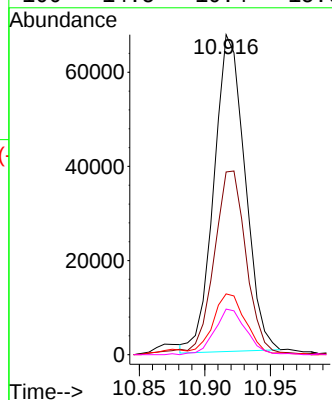
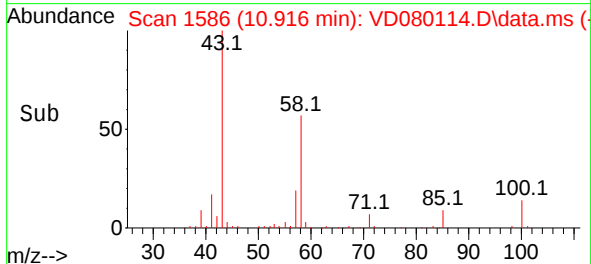


#48
2-Hexanone
Concen: 47.413 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Instrument :
MSVOA_D
ClientSampleId :

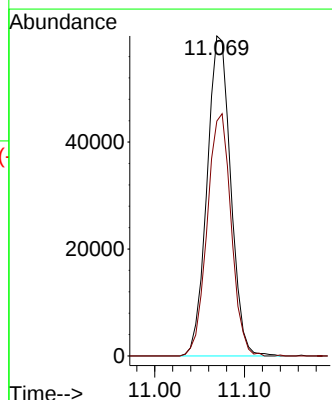
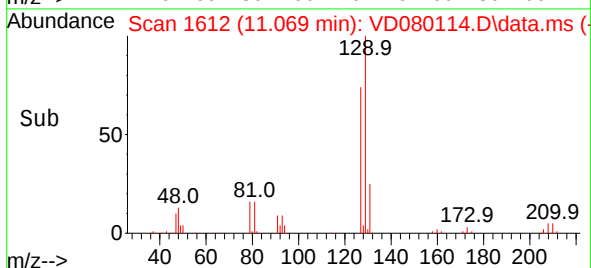
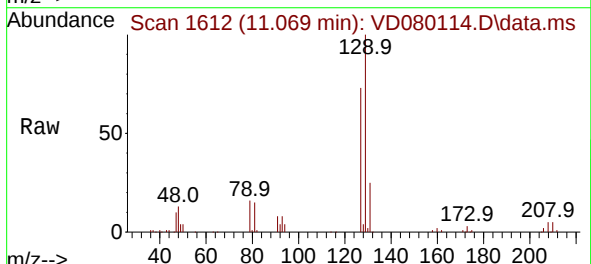


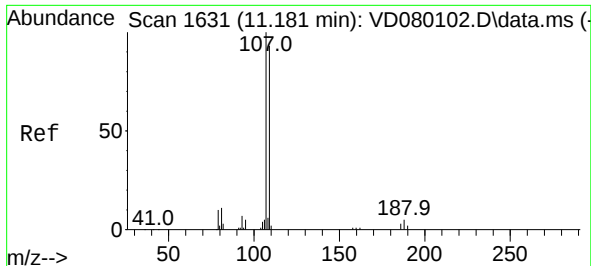
Tgt Ion: 43 Resp: 110949
Ion Ratio Lower Upper
43 100
58 59.4 45.9 68.9
57 19.4 15.2 22.8
100 14.5 10.4 15.6



#49
Dibromochloromethane
Concen: 24.978 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:129 Resp: 109640
Ion Ratio Lower Upper
129 100
127 73.4 54.9 102.1





#50

1,2-Dibromoethane

Concen: 24.743 ug/L

RT: 11.175 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :

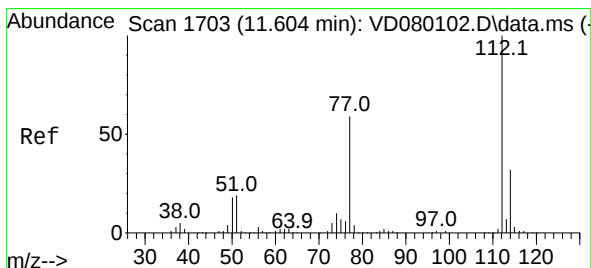
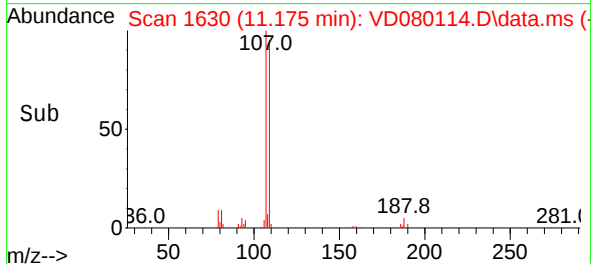
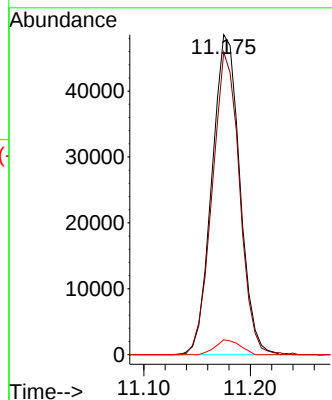
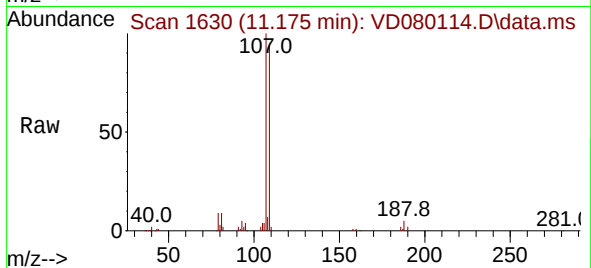
Tgt Ion:107 Resp: 88070

Ion Ratio Lower Upper

107 100

109 94.6 66.6 123.8

188 4.6 2.8 4.2#



#51

Chlorobenzene

Concen: 24.912 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

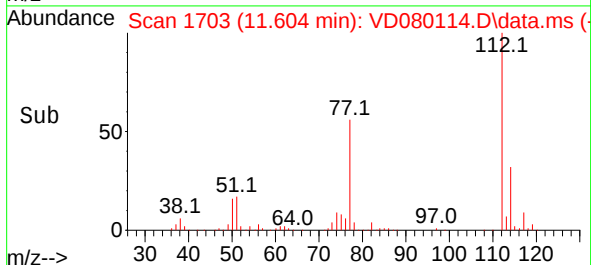
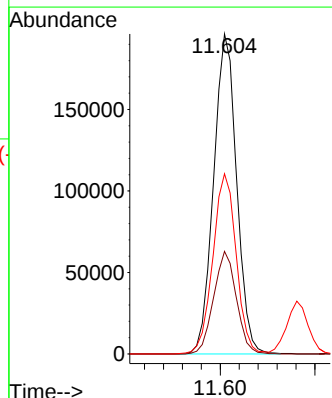
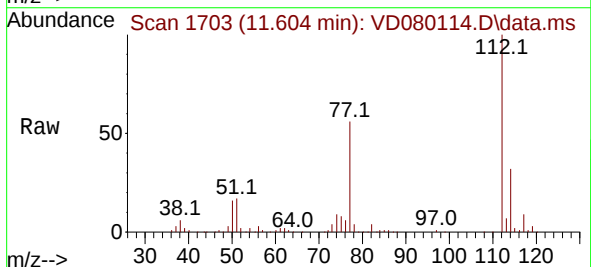
Tgt Ion:112 Resp: 331444

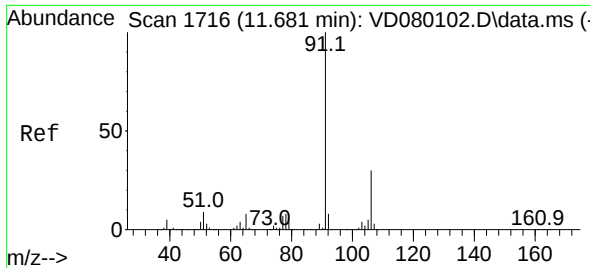
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.4

77 56.3 49.1 73.7

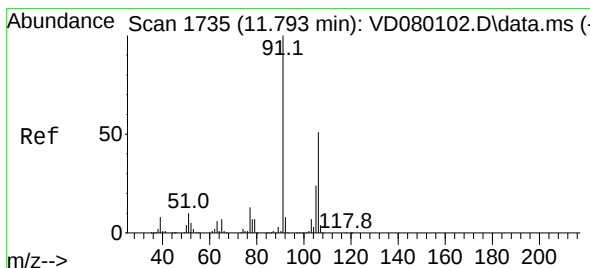
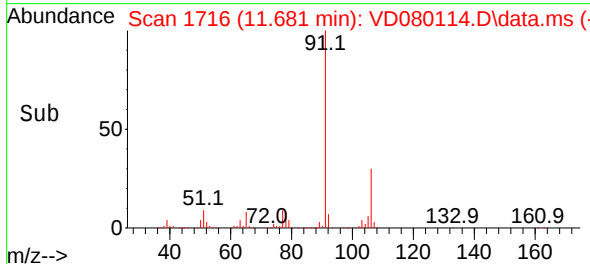
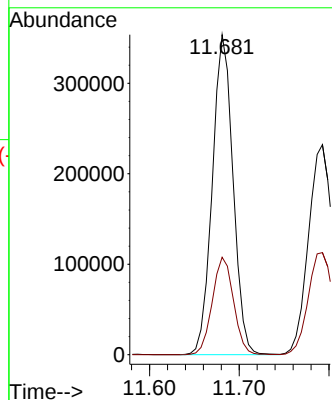
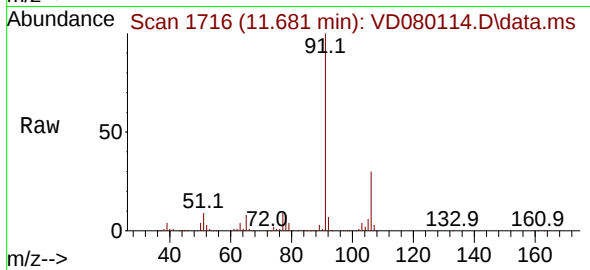




#52
Ethylbenzene
Concen: 25.433 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

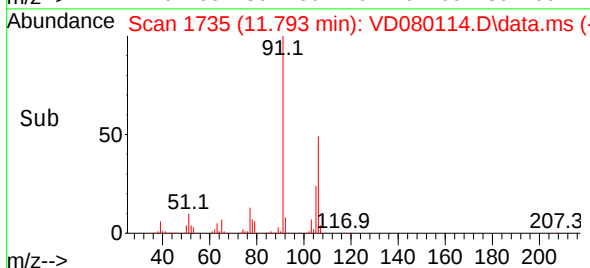
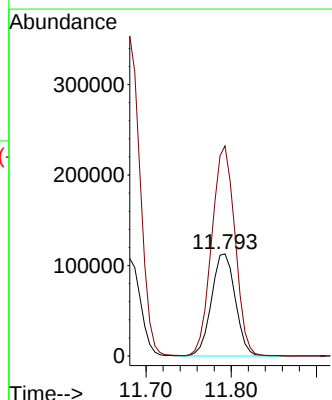
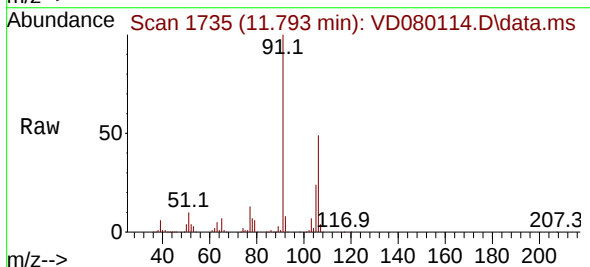
Instrument :
MSVOA_D
ClientSampleId :

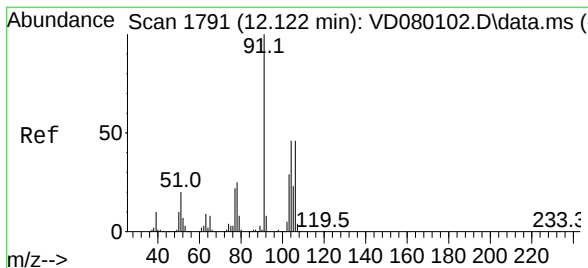
Tgt Ion: 91 Resp: 567326
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#53
m,p-Xylene
Concen: 25.715 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:106 Resp: 218997
Ion Ratio Lower Upper
106 100
91 205.8 149.3 277.3





#54

o-Xylene

Concen: 25.067 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

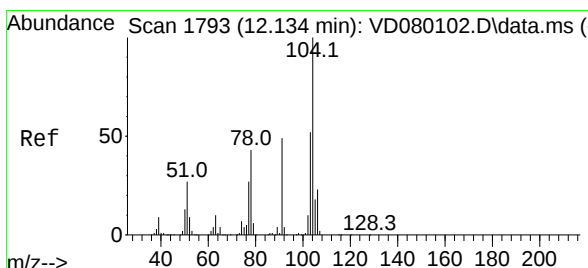
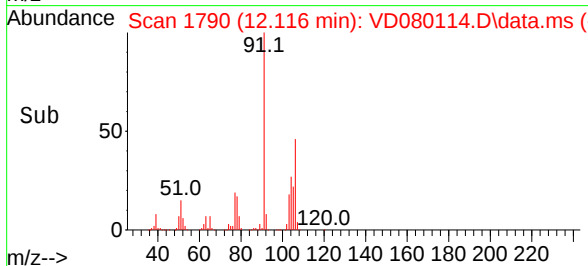
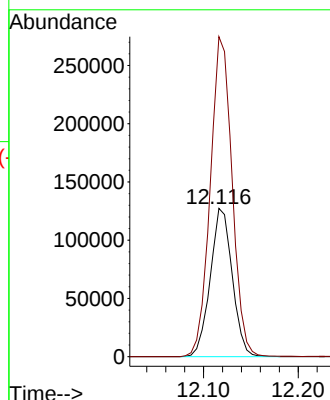
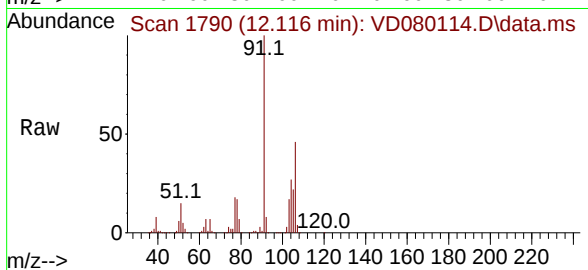
ClientSampleId :

Tgt Ion:106 Resp: 205679

Ion Ratio Lower Upper

106 100

91 215.8 148.0 274.8



#55

Styrene

Concen: 25.651 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD080114.D

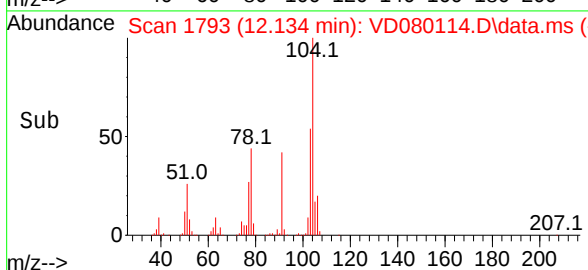
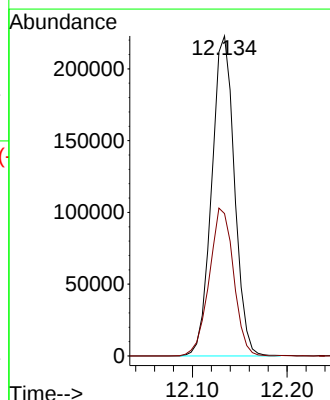
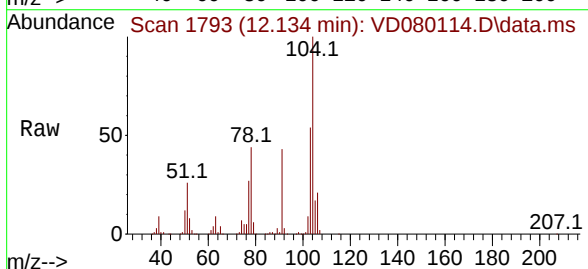
Acq: 09 Dec 2024 12:42

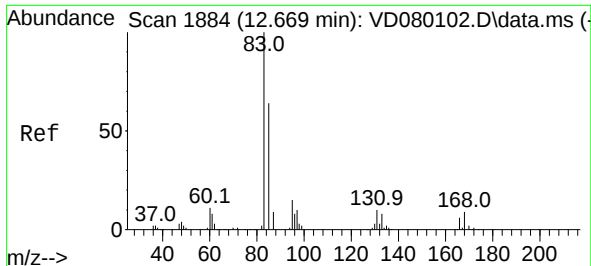
Tgt Ion:104 Resp: 371592

Ion Ratio Lower Upper

104 100

78 44.5 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.335 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

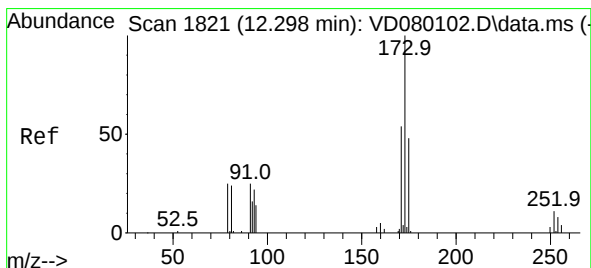
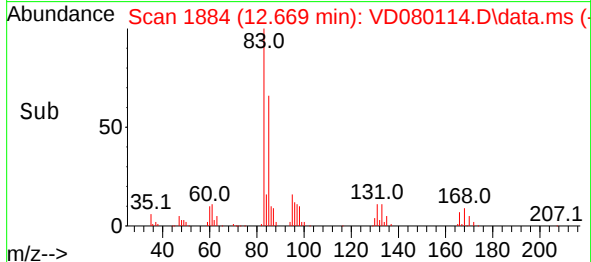
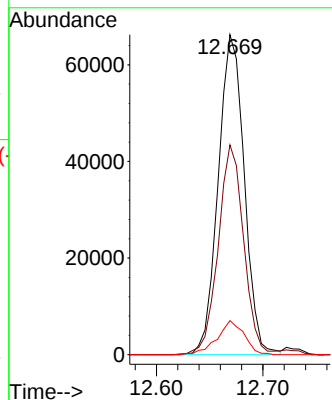
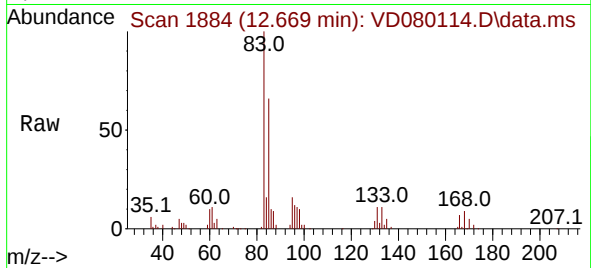
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 83 Resp: 112405

Ion	Ratio	Lower	Upper
83	100		
85	65.6	44.4	82.4
131	10.7	8.6	13.0



#59

Bromoform

Concen: 26.045 ug/L

RT: 12.299 min Scan# 1821

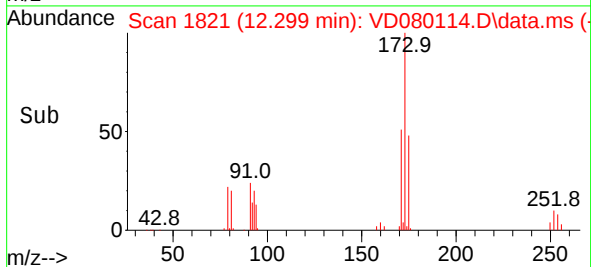
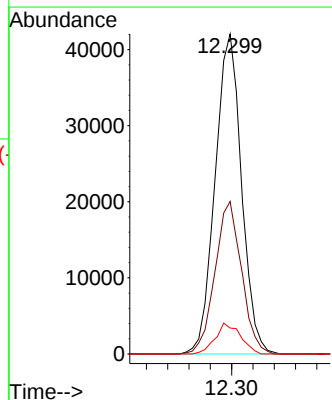
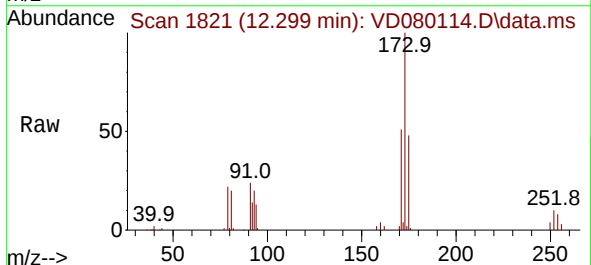
Delta R.T. 0.000 min

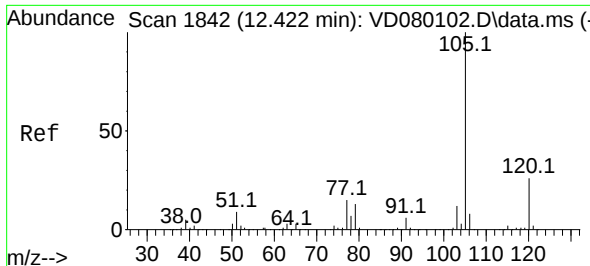
Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Tgt Ion: 173 Resp: 72250

Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.6
254	9.2	8.3	12.5

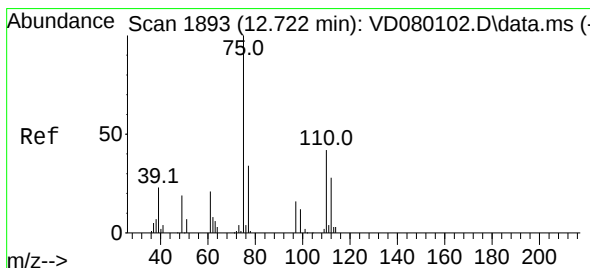
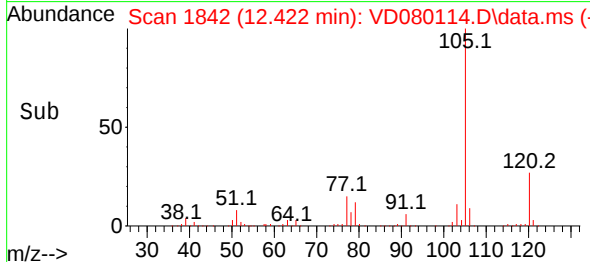
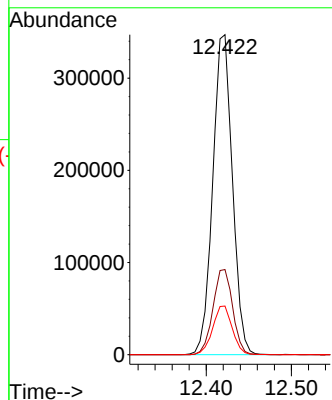
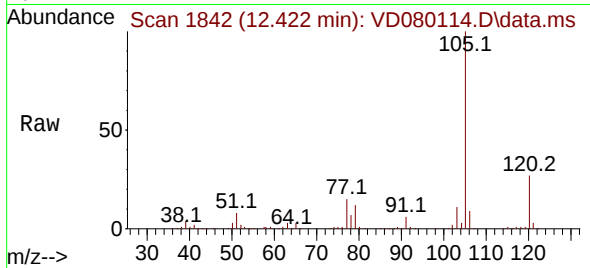




#60
Isopropylbenzene
Concen: 25.383 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

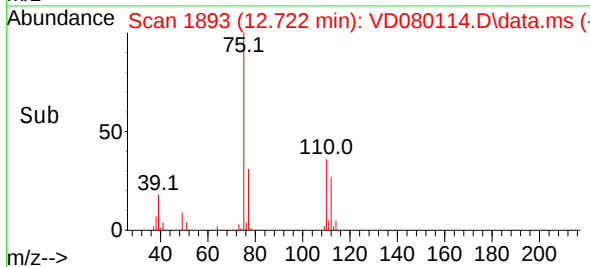
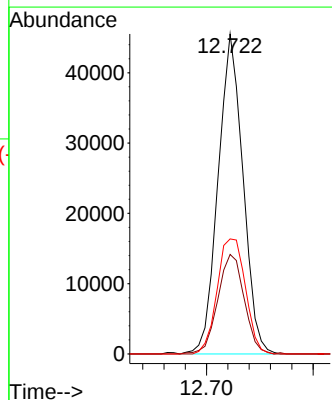
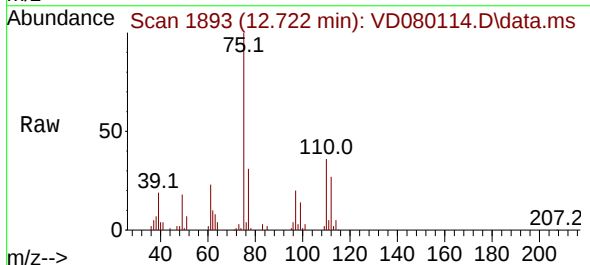
Instrument :
MSVOA_D
ClientSampleId :

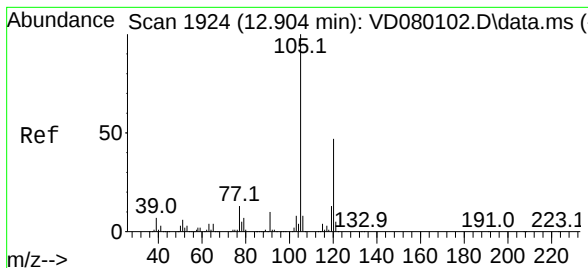
Tgt Ion:105 Resp: 557322
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 15.2 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 23.573 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 75 Resp: 73710
Ion Ratio Lower Upper
75 100
77 33.0 26.3 39.5
110 40.9 30.2 45.2

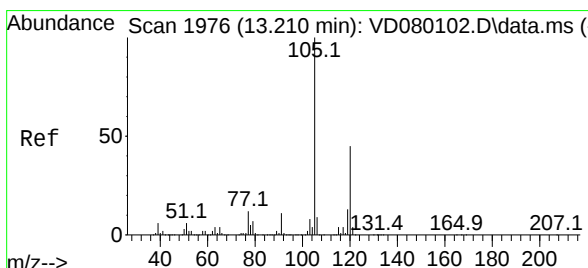
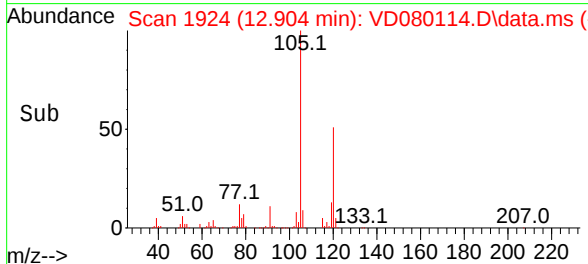
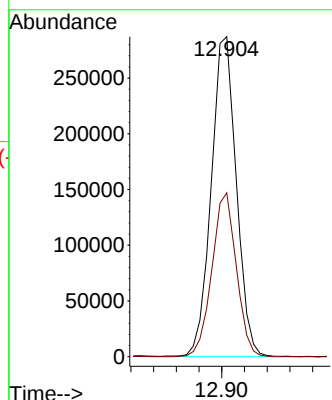
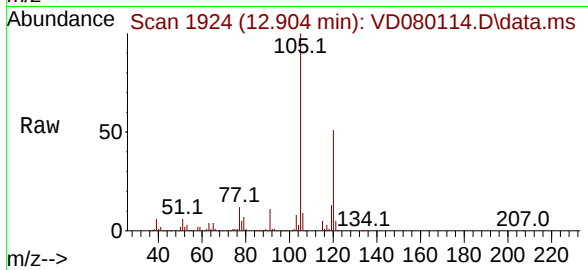




#62
1,3,5-Trimethylbenzene
Concen: 25.337 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

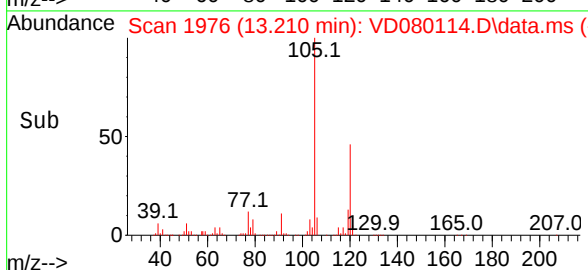
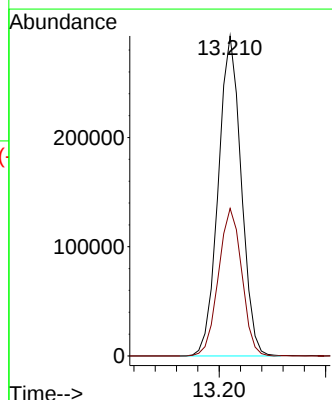
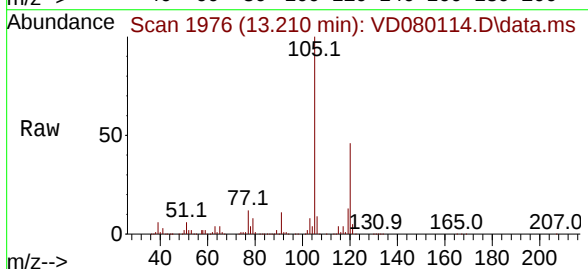
Instrument :
MSVOA_D
ClientSampleId :

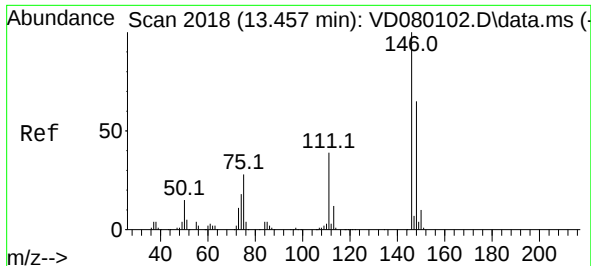
Tgt Ion:105 Resp: 440333
Ion Ratio Lower Upper
105 100
120 49.8 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 25.496 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:105 Resp: 437442
Ion Ratio Lower Upper
105 100
120 46.8 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 25.313 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :

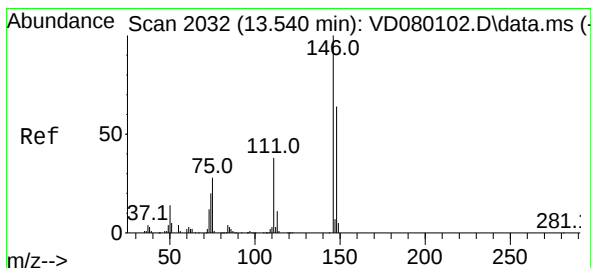
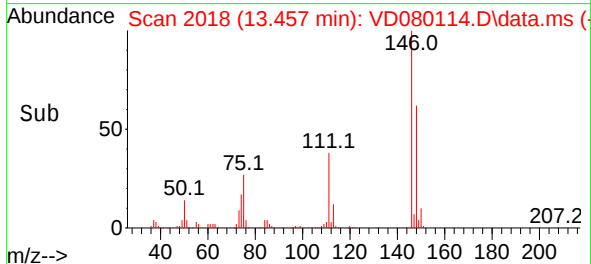
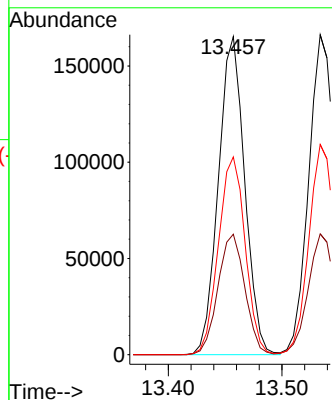
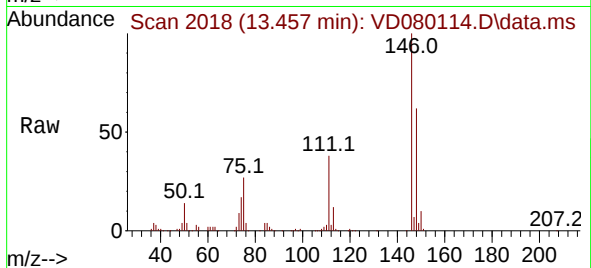
Tgt Ion:146 Resp: 266214

Ion Ratio Lower Upper

146 100

111 37.9 28.2 52.4

148 62.1 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 25.231 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

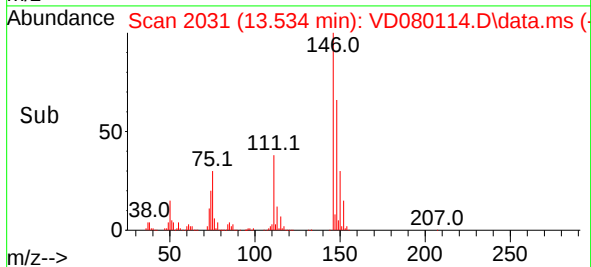
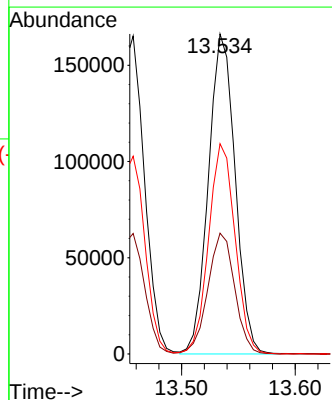
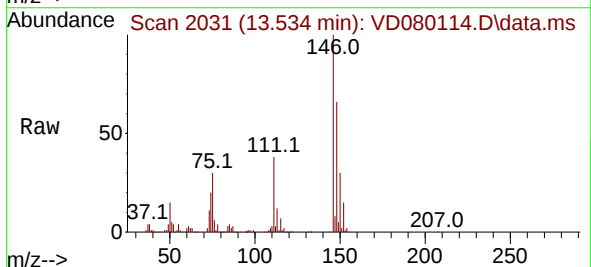
Tgt Ion:146 Resp: 272425

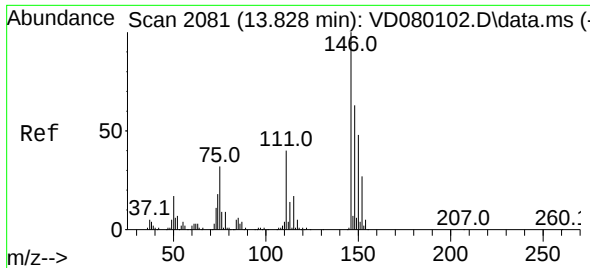
Ion Ratio Lower Upper

146 100

111 37.8 26.2 48.8

148 65.7 46.1 85.5

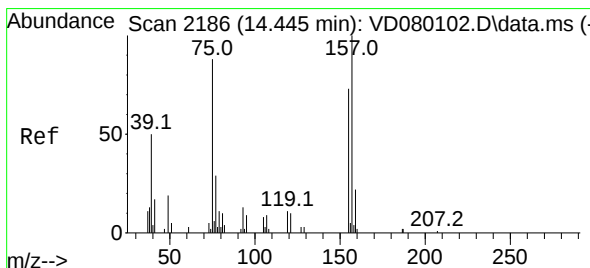
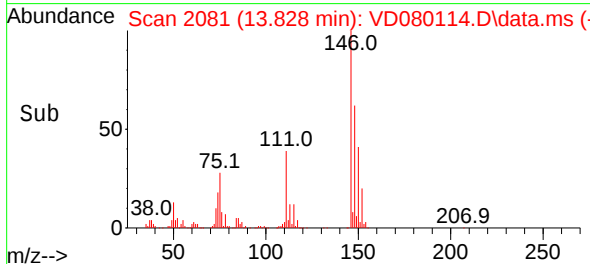
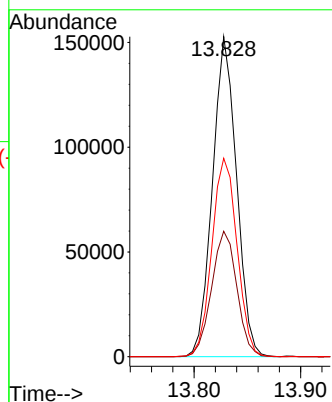
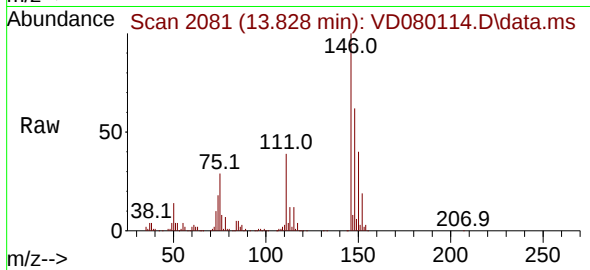




#67
1,2-Dichlorobenzene
Concen: 24.985 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

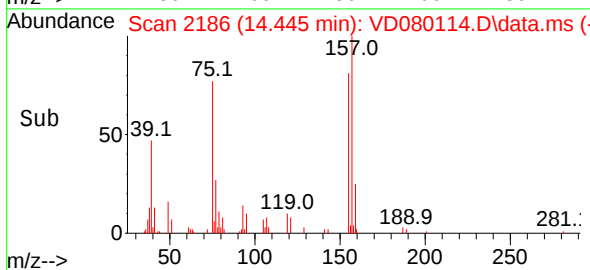
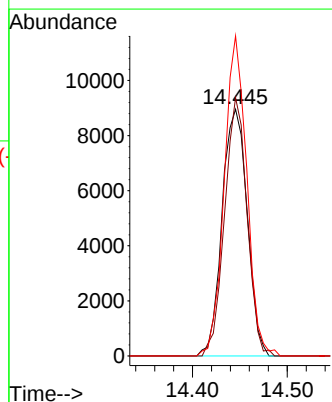
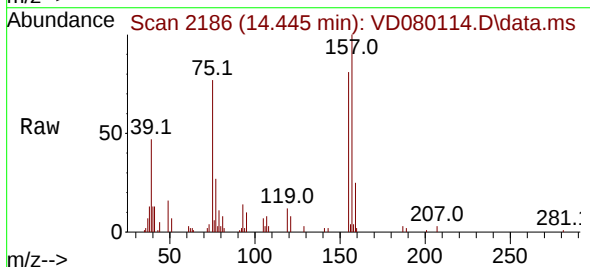
Instrument :
MSVOA_D
ClientSampleId :

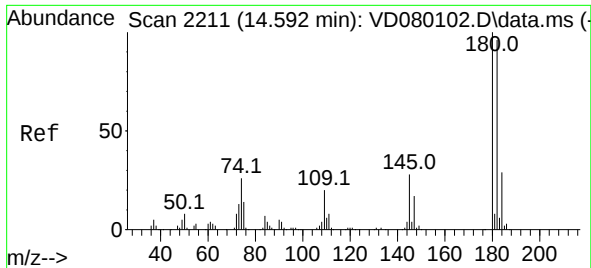
Tgt Ion:146 Resp: 239642
Ion Ratio Lower Upper
146 100
111 39.2 33.0 49.6
148 62.0 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 22.526 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion: 75 Resp: 16504
Ion Ratio Lower Upper
75 100
155 104.7 68.7 103.1#
157 129.7 79.4 119.2#





#69

1,3,5-Trichlorobenzene

Concen: 24.505 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

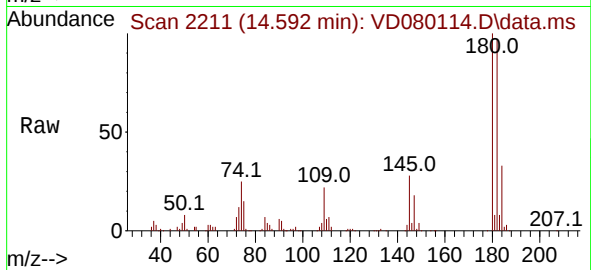
Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 176533

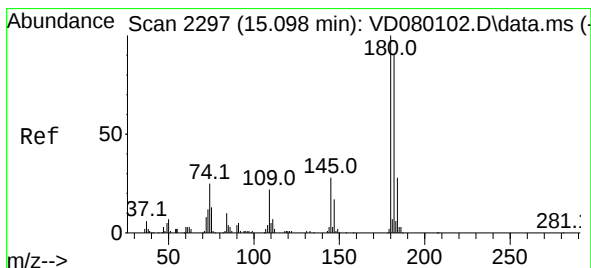
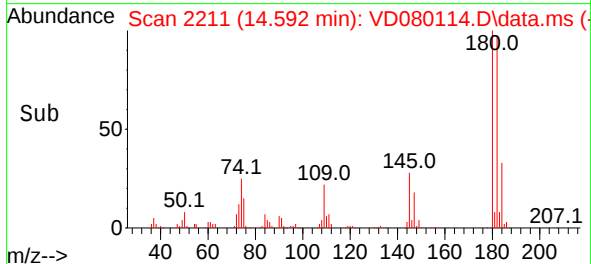
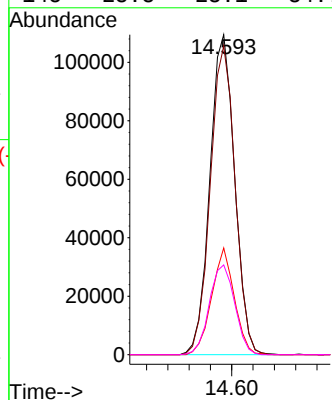
Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.6

184 30.5 24.6 36.8

145 28.8 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 24.376 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080114.D

Acq: 09 Dec 2024 12:42

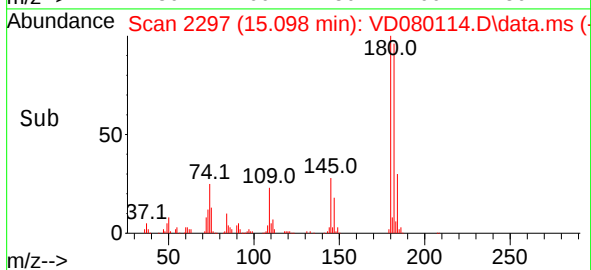
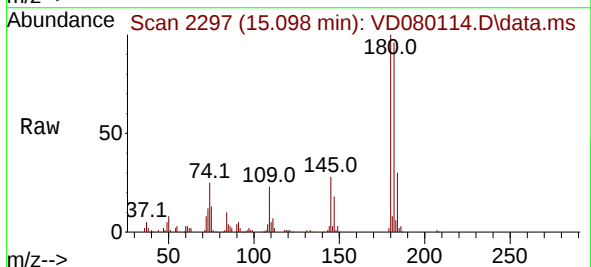
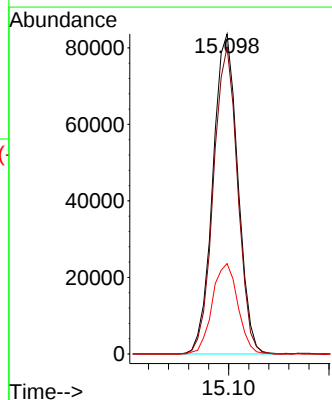
Tgt Ion:180 Resp: 144287

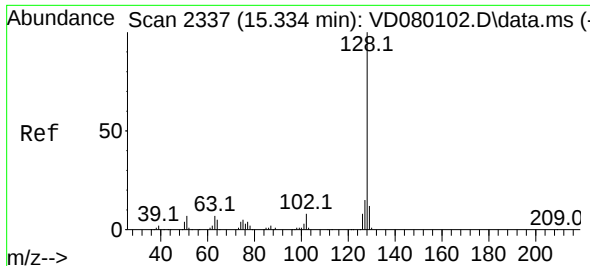
Ion Ratio Lower Upper

180 100

182 92.8 75.9 113.9

145 28.9 23.0 34.4

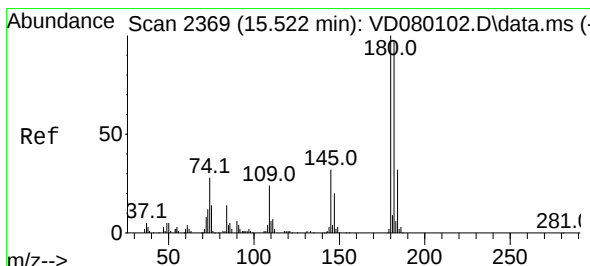
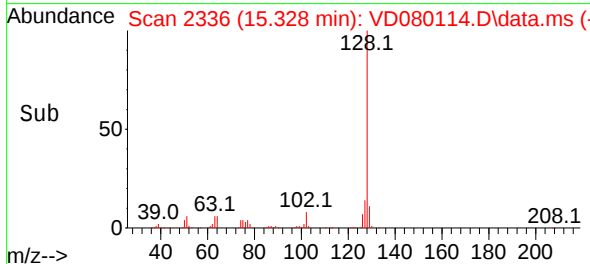
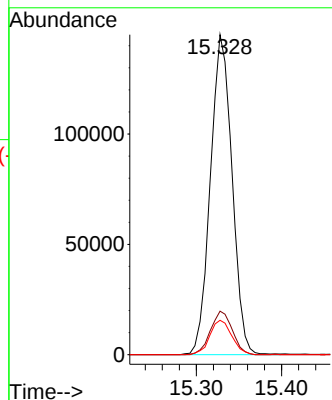
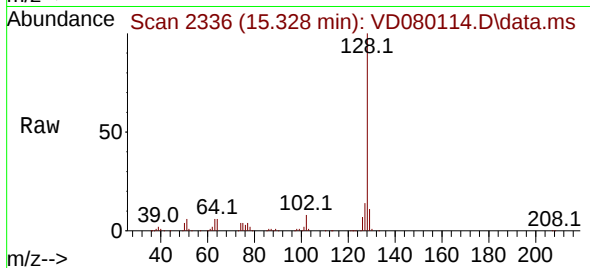




#71
Naphthalene
Concen: 23.326 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 256063
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.6
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 23.542 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD080114.D
Acq: 09 Dec 2024 12:42

Tgt Ion:180 Resp: 128363
Ion Ratio Lower Upper
180 100
182 95.8 75.8 113.8
145 31.2 24.9 37.3

