

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033123\
 Data File : VD075554.D
 Acq On : 31 Mar 2023 12:13
 Operator : KP/SY
 Sample : VSTD02519
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 31 23:56:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 31 23:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	356307	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	382241	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	161885	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	253499	30.557	ug/L	0.00
7) Chloroethane-d5	2.804	69	218440	29.591	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.928	63	195754	29.255	ug/L	0.00
21) 2-Butanone-d5	6.987	46	30732	56.886	ug/L	0.00
24) Chloroform-d	7.569	84	232102	27.630	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	99901	26.836	ug/L	0.00
32) Benzene-d6	8.204	84	493707	22.093	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	130001	21.829	ug/L	0.00
41) Toluene-d8	10.269	98	476757	22.752	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	56303	22.679	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	30221	42.883	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.657	84	116582	26.131	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	139781	25.171	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	85391	25.572	ug/L	100
3) Chloromethane	2.152	50	114494	26.201	ug/L	100
5) Vinyl chloride	2.287	62	179849	26.409	ug/L	100
6) Bromomethane	2.699	94	122157	26.289	ug/L	100
8) Chloroethane	2.840	64	125491	26.450	ug/L	100
9) Trichlorofluoromethane	3.181	101	156791	26.478	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	111895	27.201	ug/L	100
12) 1,1-Dichloroethene	3.946	96	91260	26.855	ug/L	100
13) Acetone	4.016	43	31786	56.100	ug/L	100
14) Carbon disulfide	4.275	76	206362	25.382	ug/L	100
15) Methyl Acetate	4.557	43	27384	28.840	ug/L	100
16) Methylene chloride	4.804	84	111868	22.841	ug/L	100
17) trans-1,2-Dichloroethene	5.322	96	97736	27.091	ug/L	100
18) Methyl tert-butyl Ether	5.322	73	196363	28.626	ug/L	100
19) 1,1-Dichloroethane	6.116	63	172348	27.869	ug/L	100
20) cis-1,2-Dichloroethene	7.087	96	119581	28.228	ug/L	100
22) 2-Butanone	7.087	43	37011	54.836	ug/L	100
23) Bromochloromethane	7.428	128	53816	26.943	ug/L	100
25) Chloroform	7.598	83	201987	27.268	ug/L	100
27) 1,2-Dichloroethane	8.328	62	100852	26.340	ug/L	100
29) Cyclohexane	7.881	56	105558	22.629	ug/L	100
30) 1,1,1-Trichloroethane	7.792	97	166507	22.113	ug/L	100
31) Carbon tetrachloride	7.992	117	134468	22.121	ug/L	100
33) Benzene	8.251	78	423796	21.546	ug/L	100
34) Trichloroethene	9.028	95	110343	20.024	ug/L	100
35) Methylcyclohexane	9.275	83	159205	22.088	ug/L	100
37) 1,2-Dichloropropane	9.304	63	102444	22.138	ug/L	100
38) Bromodichloromethane	9.586	83	147707	22.411	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	166089	22.637	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	78835	45.452	ug/L	100
42) Toluene	10.333	91	487577	22.311	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	139103	22.299	ug/L	100

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 Response via : Initial Calibration

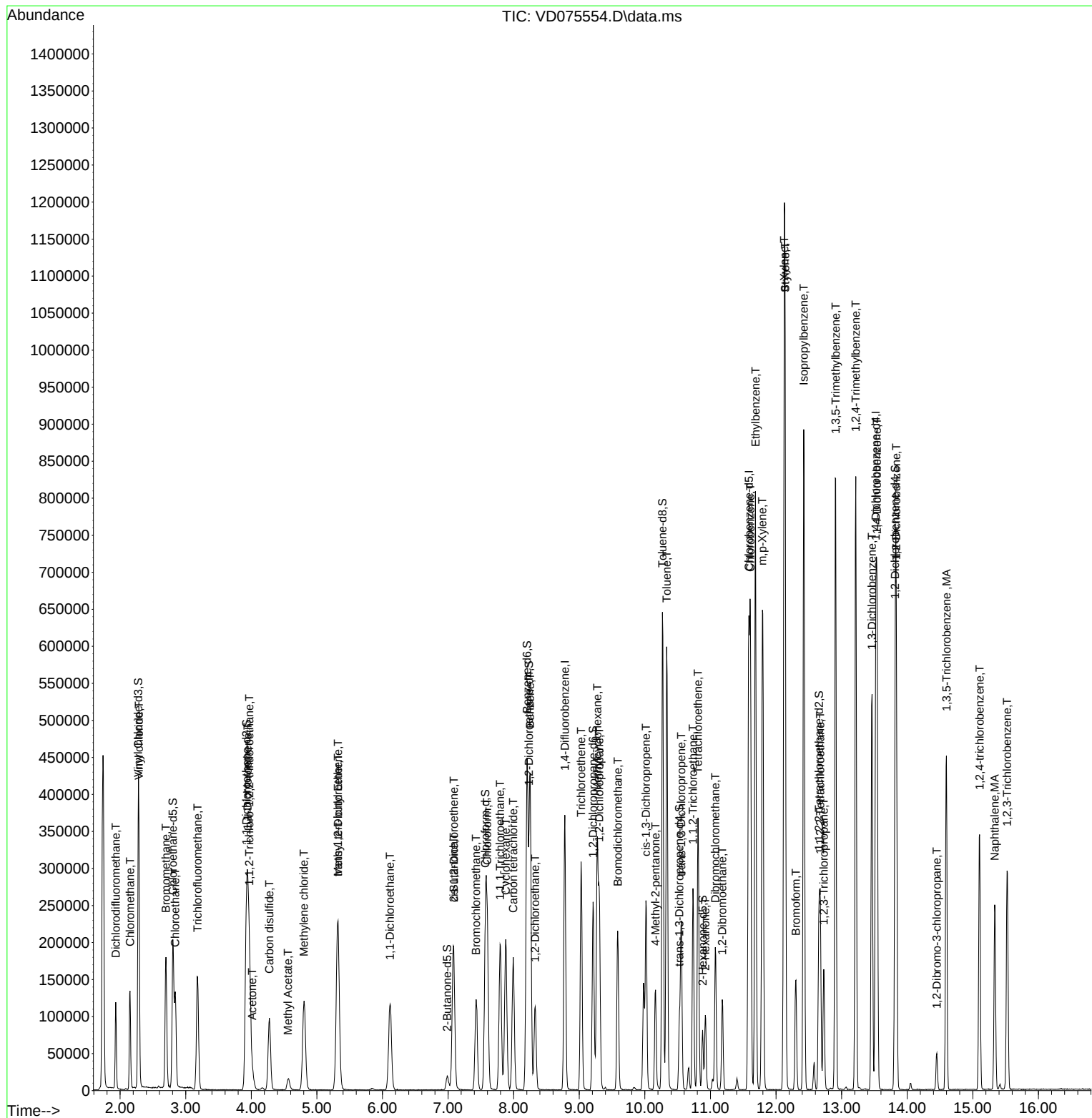
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.733	97	94099	22.159	ug/L	100
46) Tetrachloroethene	10.810	164	88818	20.580	ug/L	100
48) 2-Hexanone	10.922	43	55190	47.213	ug/L	100
49) Dibromochloromethane	11.075	129	105091	22.857	ug/L	100
50) 1,2-Dibromoethane	11.180	107	81384	21.873	ug/L	100
51) Chlorobenzene	11.610	112	378249	25.700	ug/L	100
52) Ethylbenzene	11.686	91	592187	25.769	ug/L	100
53) m,p-Xylene	11.792	106	244202	27.100	ug/L	100
54) o-Xylene	12.128	106	229883	26.791	ug/L	100
55) Styrene	12.139	104	428437	28.022	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	115258	26.300	ug/L	100
59) Bromoform	12.304	173	72506	28.961	ug/L	100
60) Isopropylbenzene	12.422	105	617564	28.893	ug/L	100
61) 1,2,3-Trichloropropane	12.727	75	70111	27.363	ug/L	100
62) 1,3,5-Trimethylbenzene	12.910	105	473361	29.360	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	458865	29.763	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	243340	25.142	ug/L	100
65) 1,4-Dichlorobenzene	13.539	146	252680	25.029	ug/L	100
67) 1,2-Dichlorobenzene	13.833	146	220613	25.167	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.451	75	11865	22.995	ug/L	100
69) 1,3,5-Trichlorobenzene	14.598	180	145957	24.453	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	121768	25.200	ug/L	100
71) Naphthalene	15.333	128	227723	25.490	ug/L	100
72) 1,2,3-Trichlorobenzene	15.521	180	109030	25.190	ug/L	100

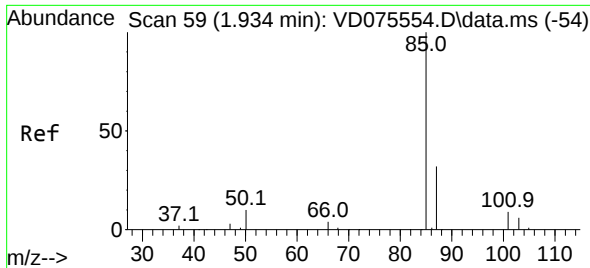
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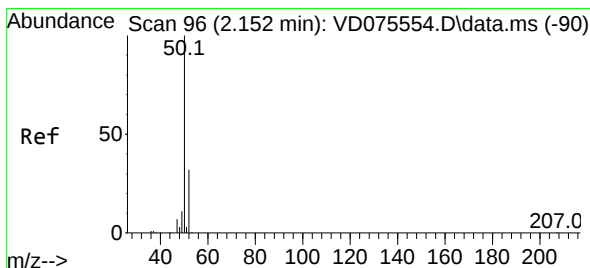
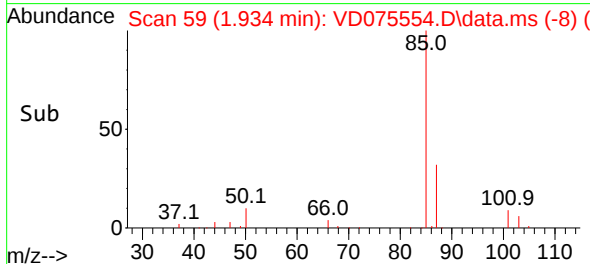
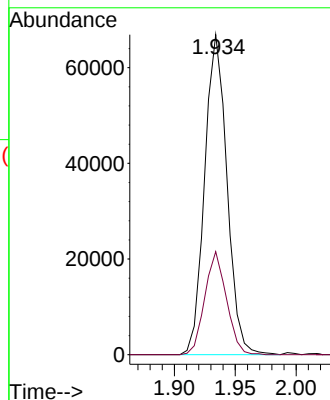
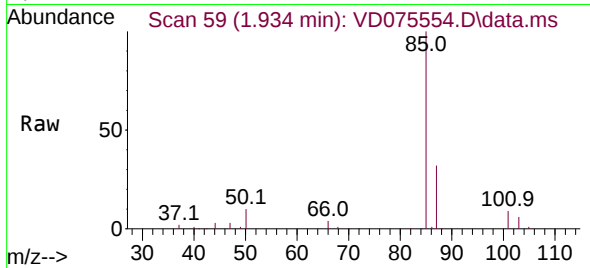




#2
 Dichlorodifluoromethane
 Concen: 25.572 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

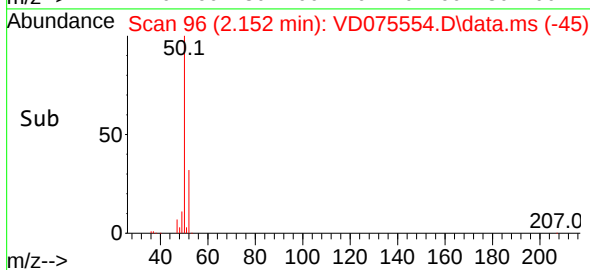
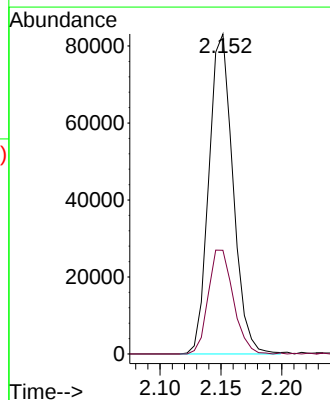
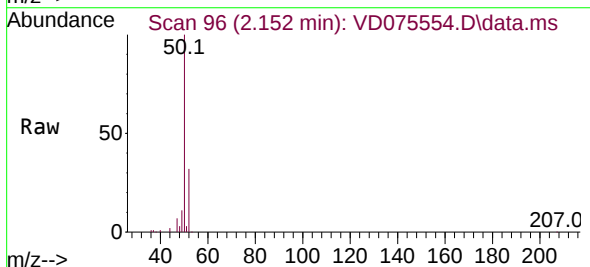
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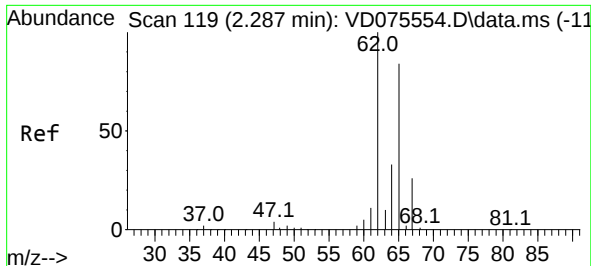
Tgt Ion: 85 Resp: 85391
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.0 37.4



#3
 Chloromethane
 Concen: 26.201 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

Tgt Ion: 50 Resp: 114494
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.7 42.1

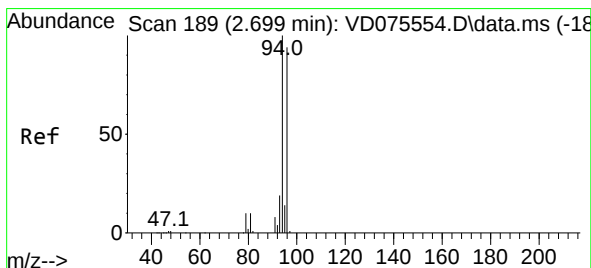
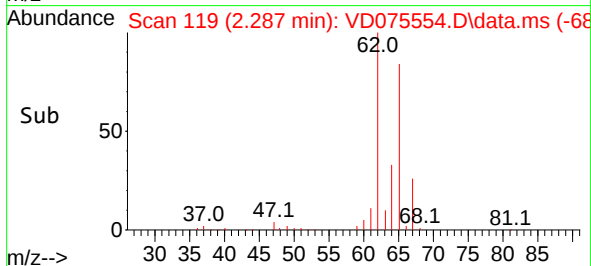
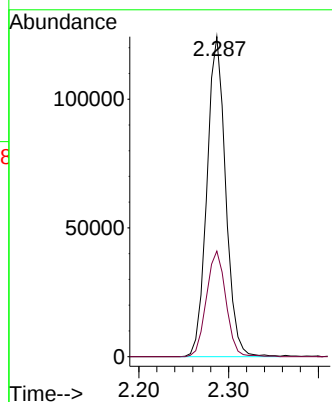
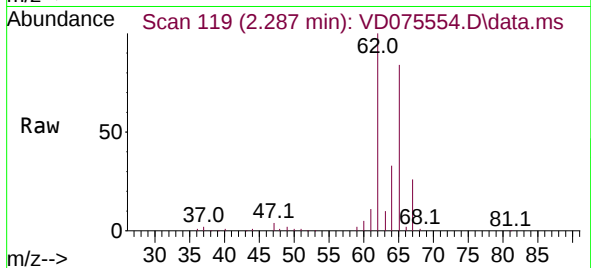




#5
 Vinyl chloride
 Concen: 26.409 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

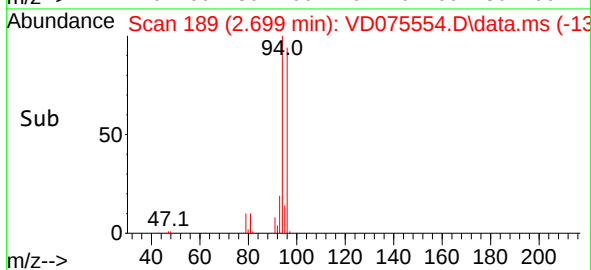
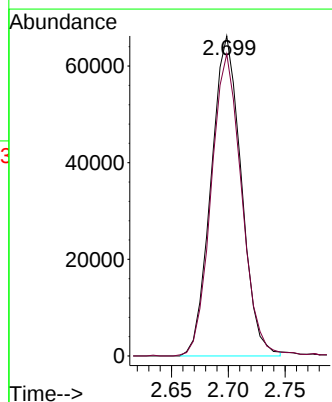
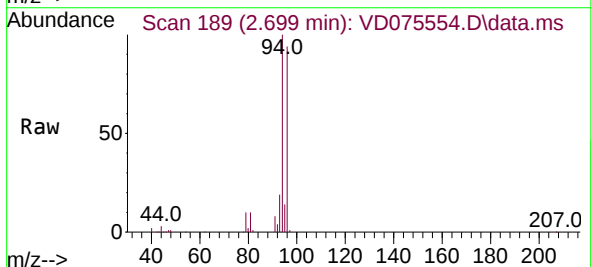
Instrument :
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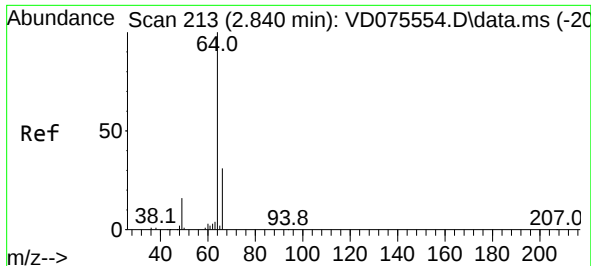
Tgt Ion: 62 Resp: 179849
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 26.289 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

Tgt Ion: 94 Resp: 122157
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.1 122.7

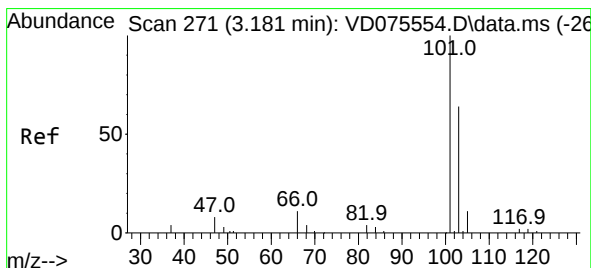
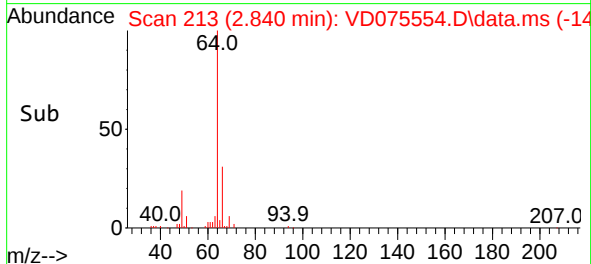
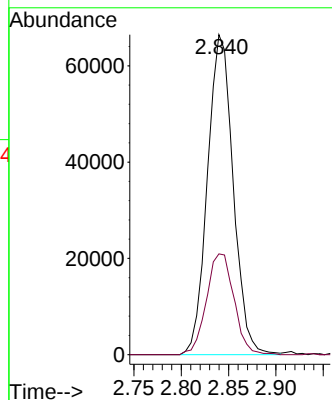
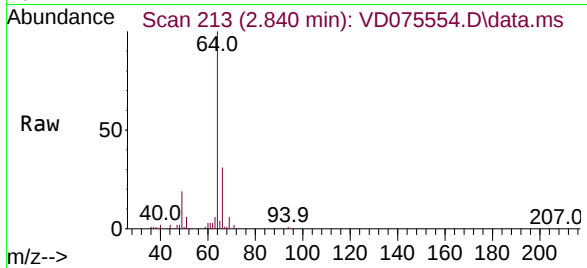




#8
Chloroethane
Concen: 26.450 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

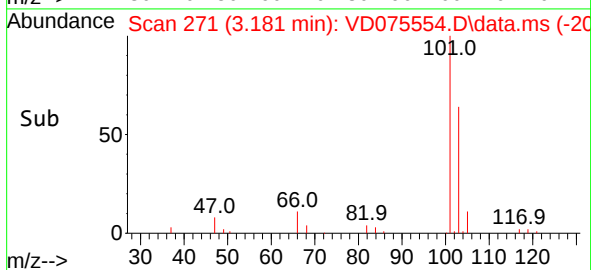
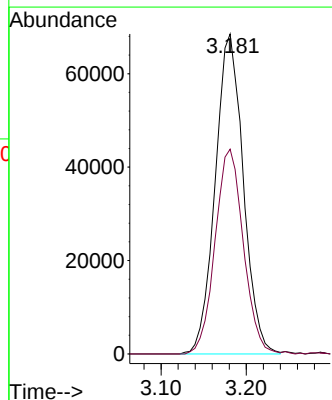
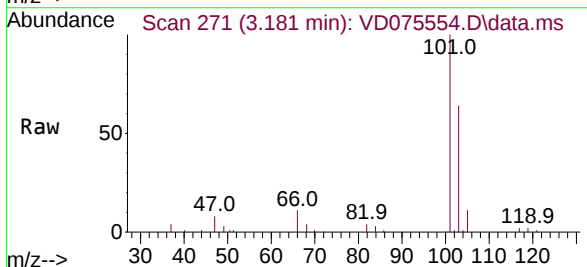
Instrument :
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ClientSampleId :

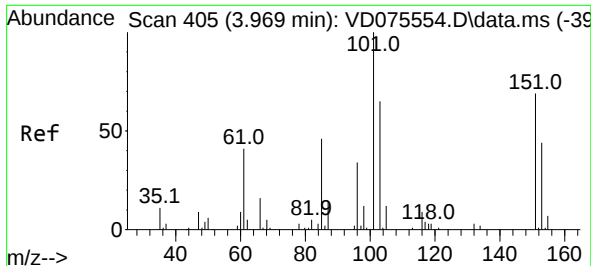
Tgt Ion: 64 Resp: 125491
Ion Ratio Lower Upper
64 100
66 31.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 26.478 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion:101 Resp: 156791
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3

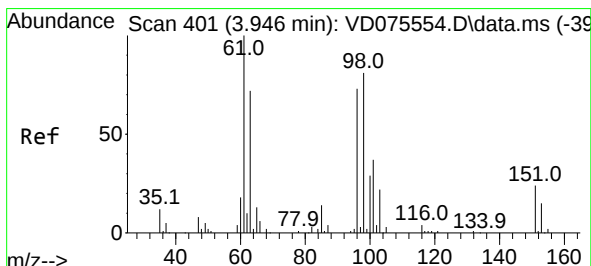
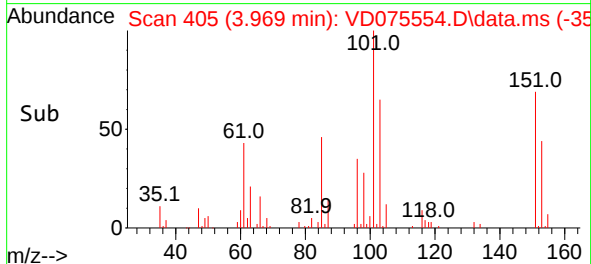
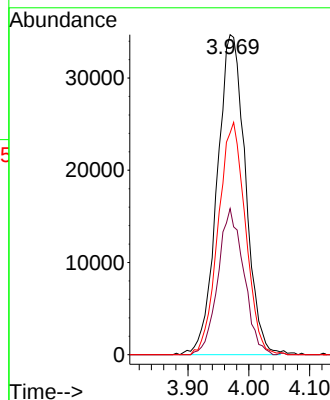
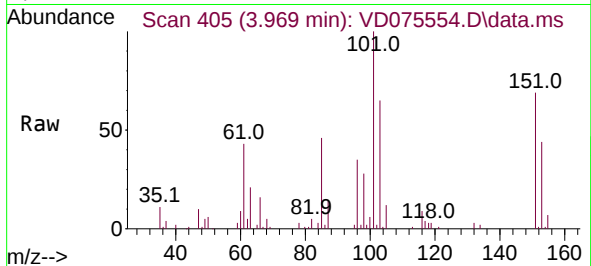




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.201 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

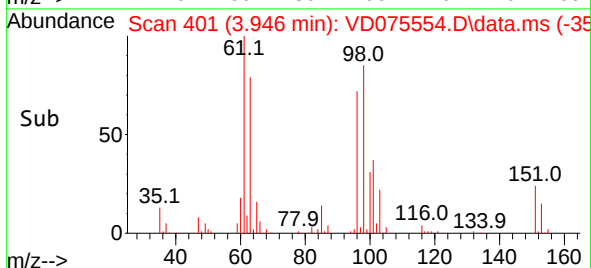
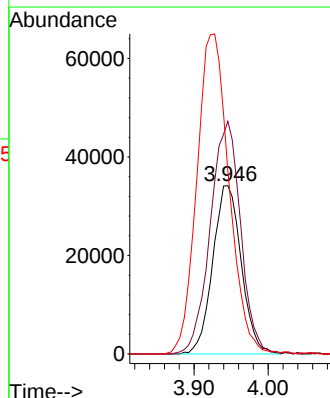
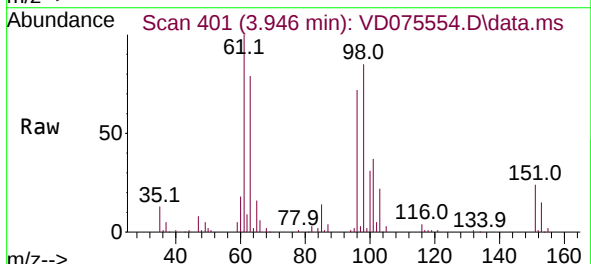
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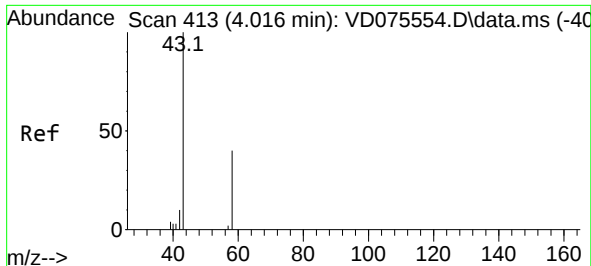
Tgt Ion:101 Resp: 111895
 Ion Ratio Lower Upper
 101 100
 85 41.7 33.4 50.0
 151 69.8 55.8 83.8



#12
 1,1-Dichloroethene
 Concen: 26.855 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

Tgt Ion: 96 Resp: 91260
 Ion Ratio Lower Upper
 96 100
 61 138.2 96.7 179.7
 63 108.6 76.0 141.2





#13

Acetone

Concen: 56.100 ug/L

RT: 4.016 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

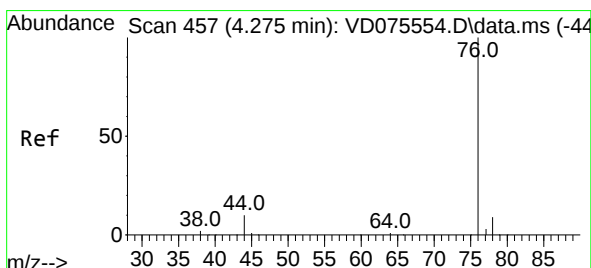
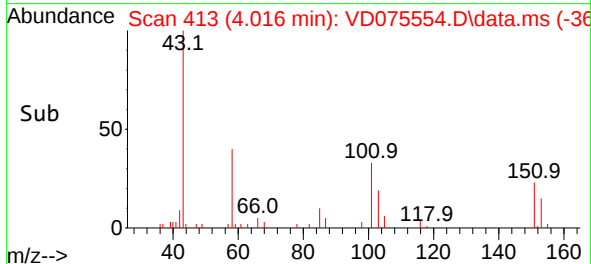
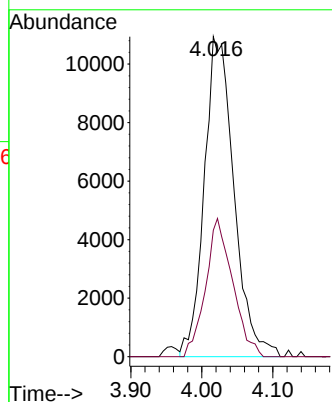
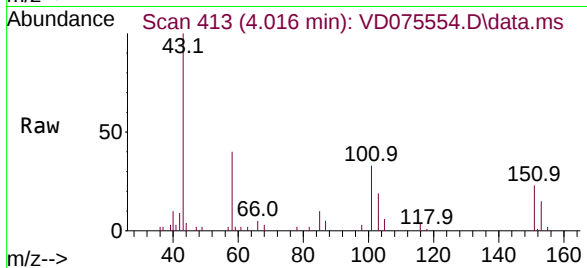
ClientSampleId :

Tgt Ion: 43 Resp: 31786

Ion Ratio Lower Upper

43 100

58 38.7 0.0 77.4



#14

Carbon disulfide

Concen: 25.382 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075554.D

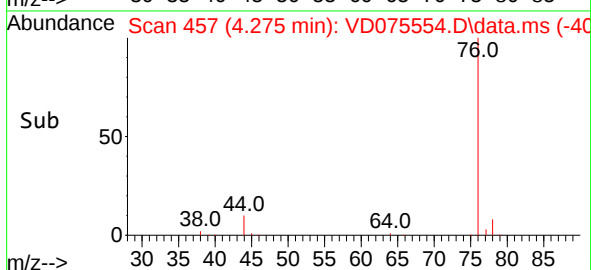
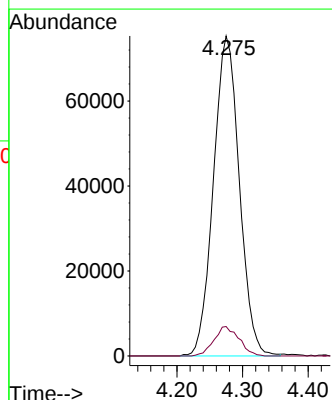
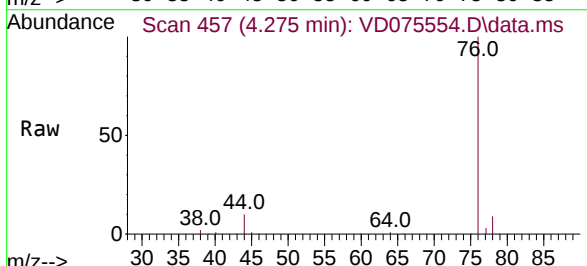
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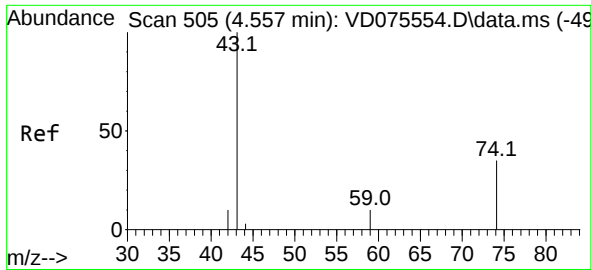
Tgt Ion: 76 Resp: 206362

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

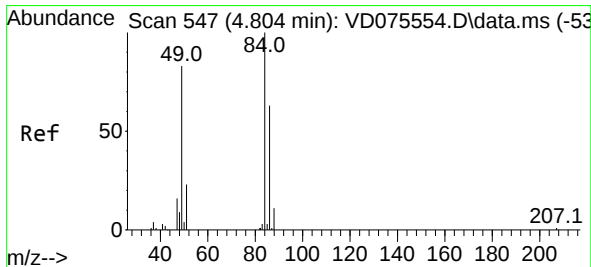
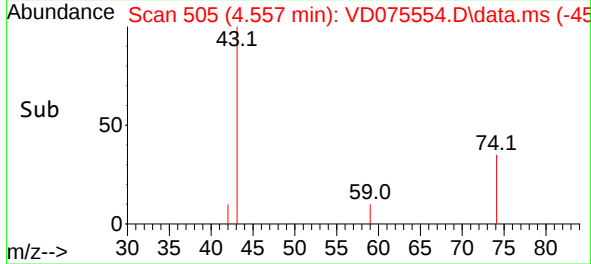
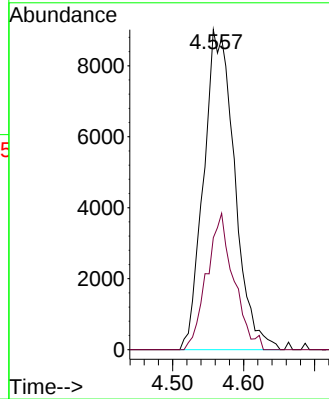
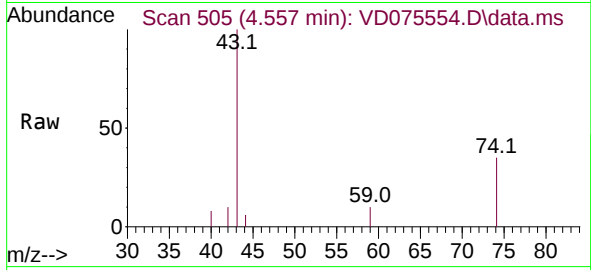




#15
Methyl Acetate
Concen: 28.840 ug/L
RT: 4.557 min Scan# 505
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

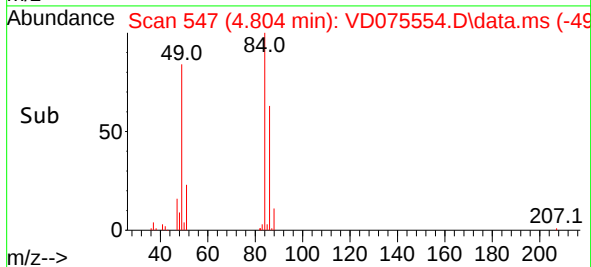
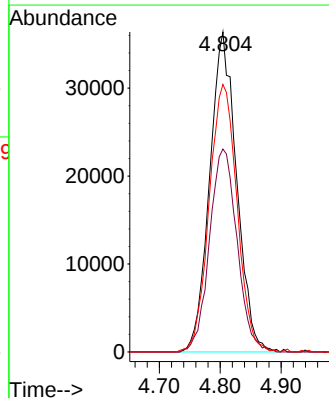
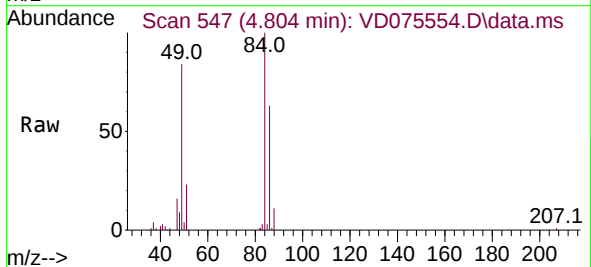
Instrument :
MSVOA_D
ClientSampleId :

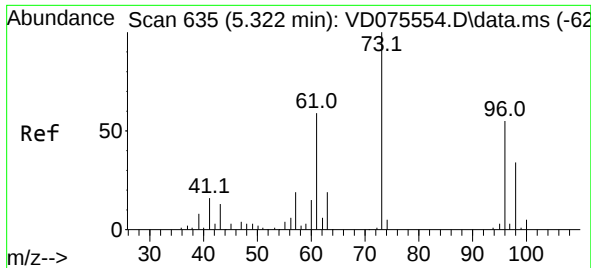
Tgt Ion: 43 Resp: 27384
Ion Ratio Lower Upper
43 100
74 36.2 29.0 43.4



#16
Methylene chloride
Concen: 22.841 ug/L
RT: 4.804 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

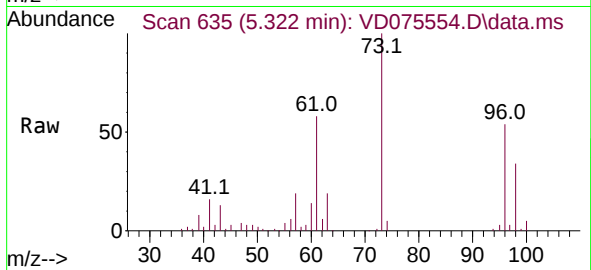
Tgt Ion: 84 Resp: 111868
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.4
49 83.6 58.5 108.7



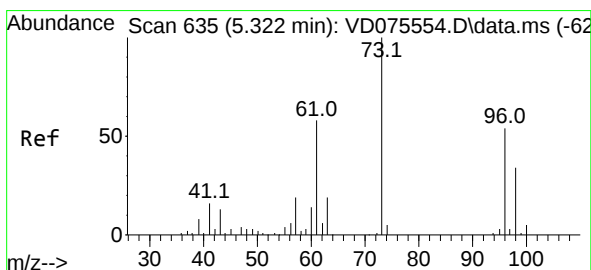
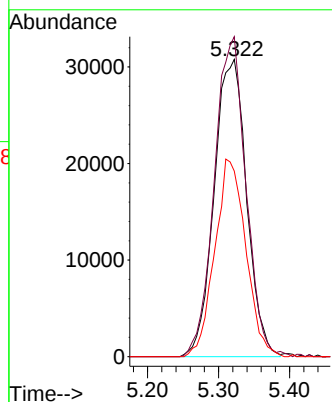
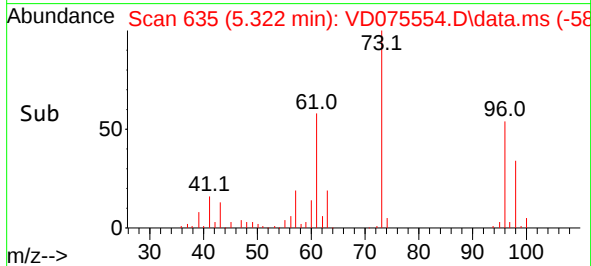


#17
trans-1,2-Dichloroethene
Concen: 27.091 ug/L
RT: 5.322 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Instrument :
MSVOA_D
ClientSampleId :

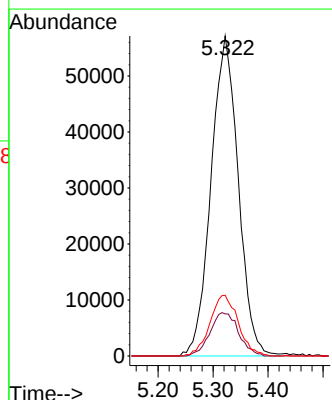
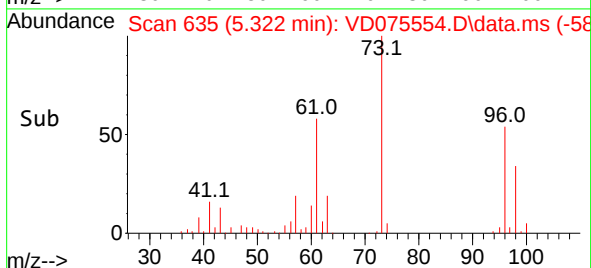
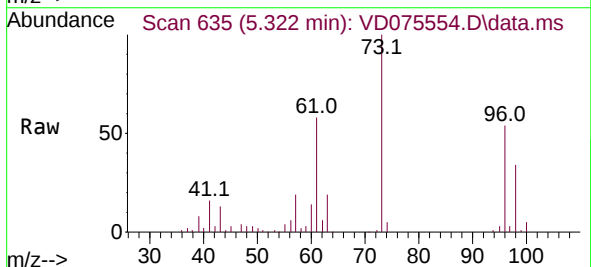


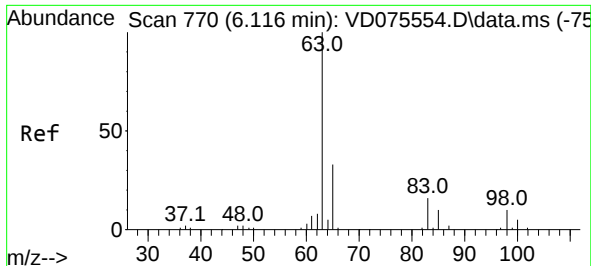
Tgt Ion: 96 Resp: 97736
Ion Ratio Lower Upper
96 100
61 107.7 75.4 140.0
98 62.5 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 28.626 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion: 73 Resp: 196363
Ion Ratio Lower Upper
73 100
43 14.2 11.4 17.0
57 19.7 15.8 23.6





#19

1,1-Dichloroethane

Concen: 27.869 ug/L

RT: 6.116 min Scan# 770

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :

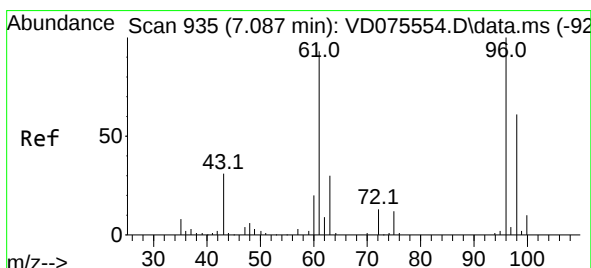
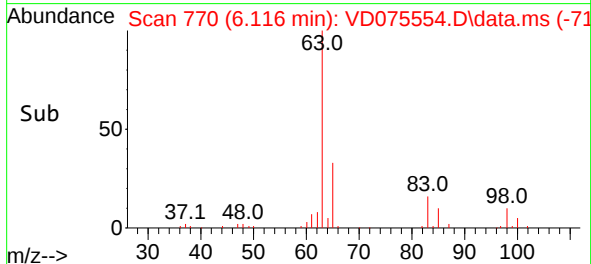
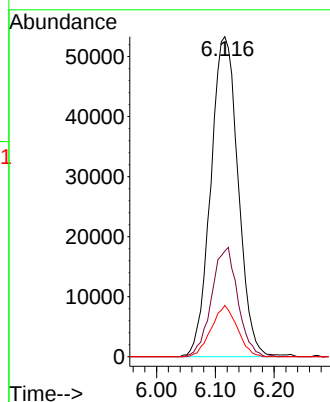
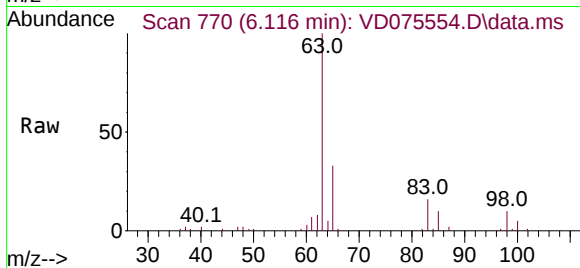
Tgt Ion: 63 Resp: 172348

Ion Ratio Lower Upper

63 100

65 33.0 23.1 42.9

83 16.0 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 28.228 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

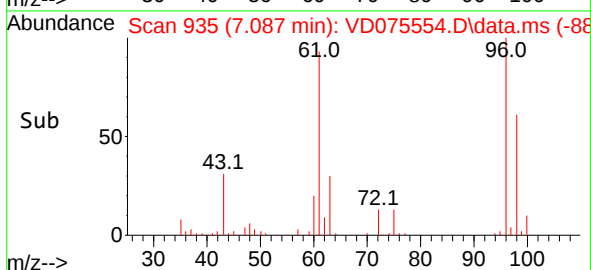
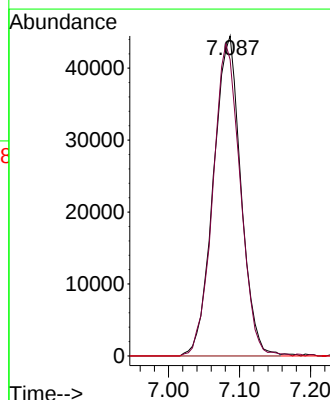
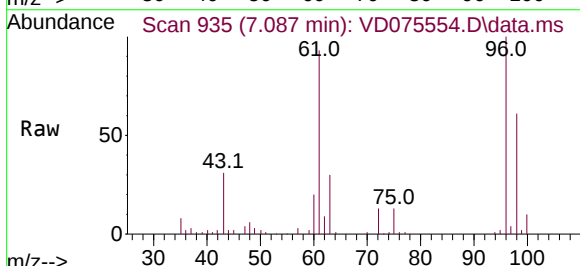
Tgt Ion: 96 Resp: 119581

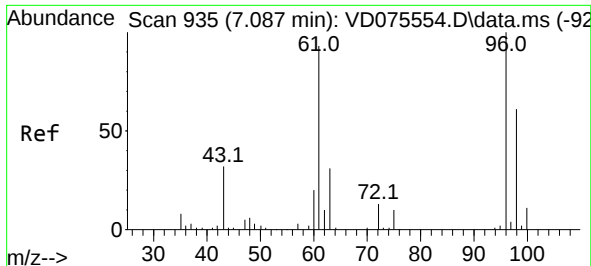
Ion Ratio Lower Upper

96 100

61 92.6 64.8 120.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 54.836 ug/L

RT: 7.087 min Scan# 911

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

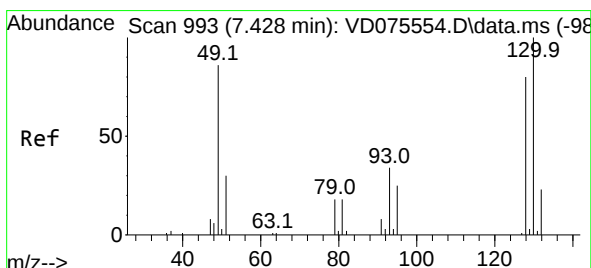
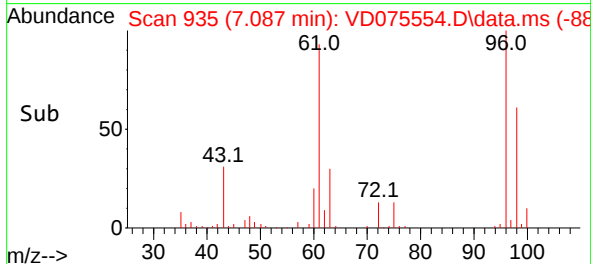
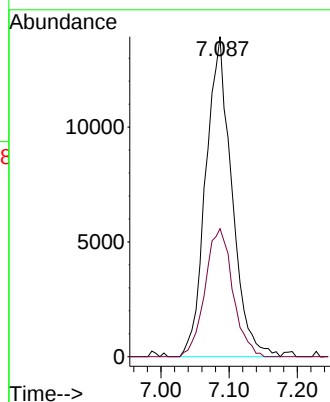
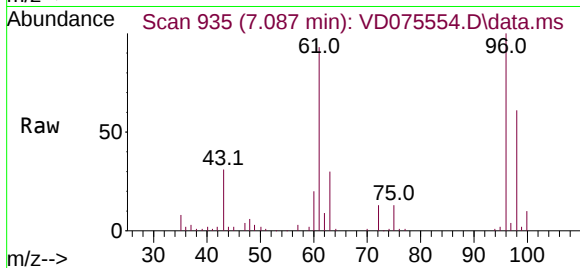
ClientSampleId :

Tgt Ion: 43 Resp: 37011

Ion Ratio Lower Upper

43 100

72 42.6 21.3 63.9



#23

Bromochloromethane

Concen: 26.943 ug/L

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Tgt Ion: 128 Resp: 53816

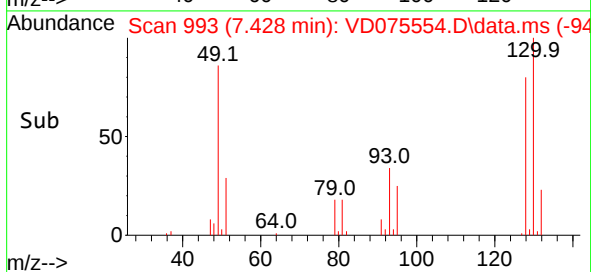
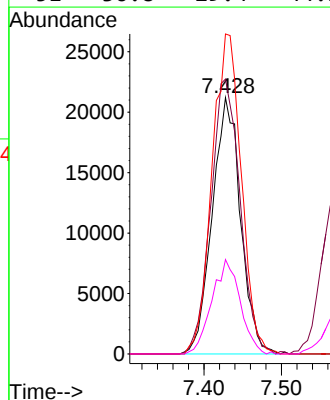
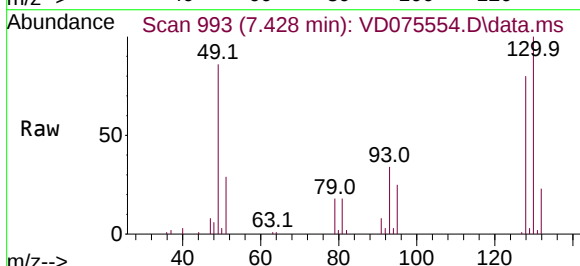
Ion Ratio Lower Upper

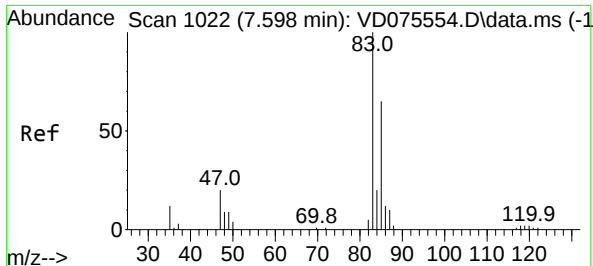
128 100

49 107.2 75.0 139.4

130 124.8 87.4 162.2

51 36.8 29.4 44.2





#25

Chloroform

Concen: 27.268 ug/L

RT: 7.598 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

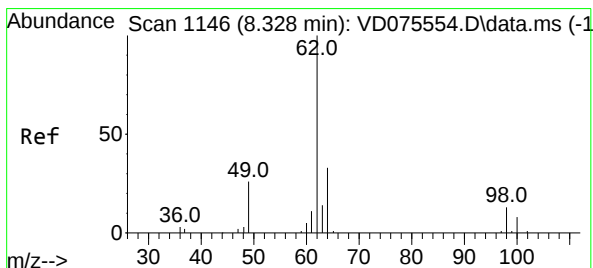
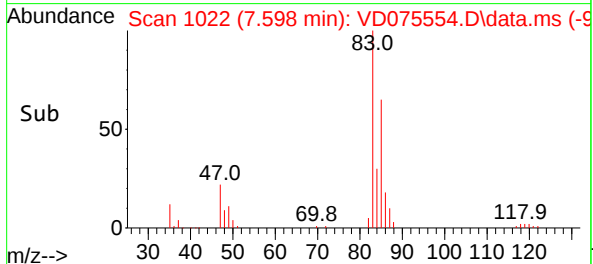
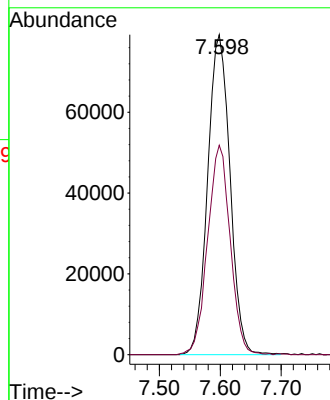
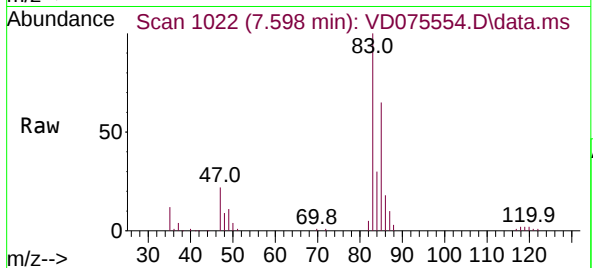
ClientSampleId :

Tgt Ion: 83 Resp: 201987

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 26.340 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075554.D

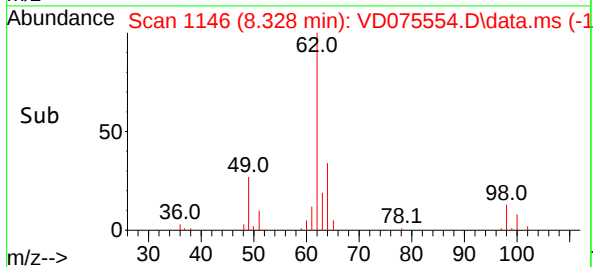
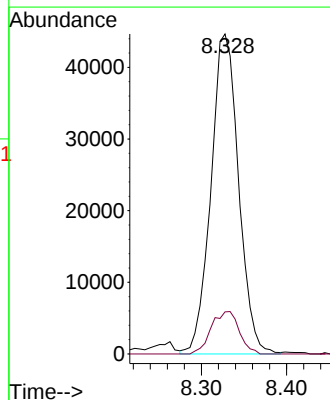
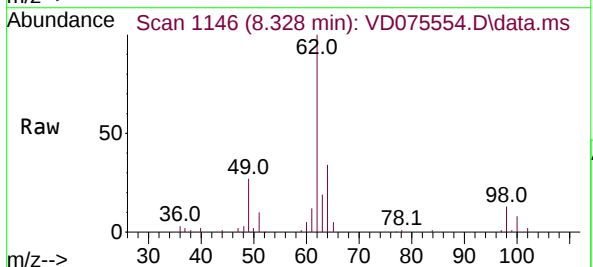
Acq: 31 Mar 2023 12:13

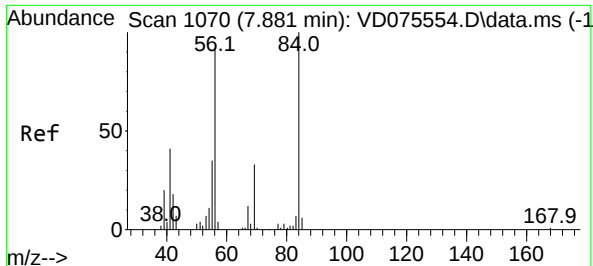
Tgt Ion: 62 Resp: 100852

Ion Ratio Lower Upper

62 100

98 13.1 10.5 15.7





#29

Cyclohexane

Concen: 22.629 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :

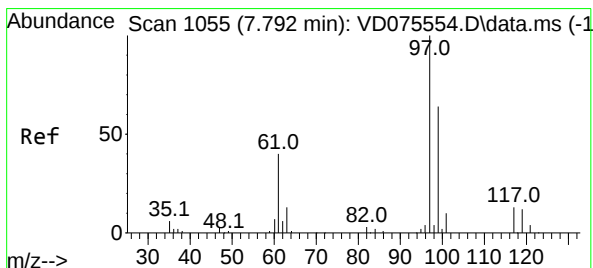
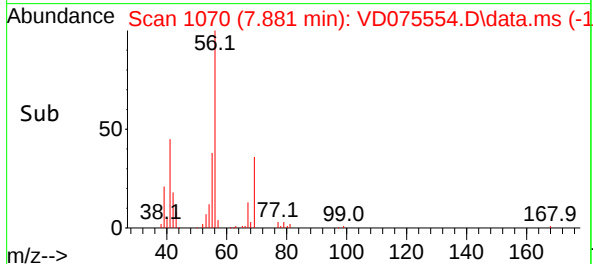
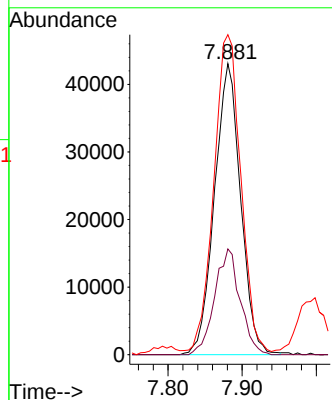
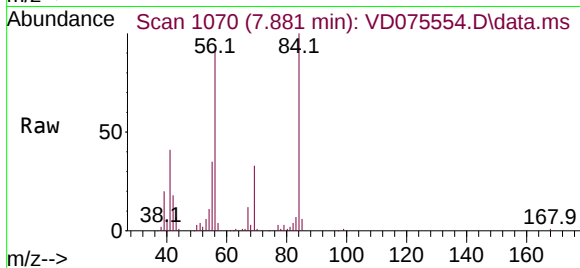
Tgt Ion: 56 Resp: 105558

Ion Ratio Lower Upper

56 100

69 35.4 28.3 42.5

84 113.9 91.1 136.7



#30

1,1,1-Trichloroethane

Concen: 22.113 ug/L

RT: 7.792 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

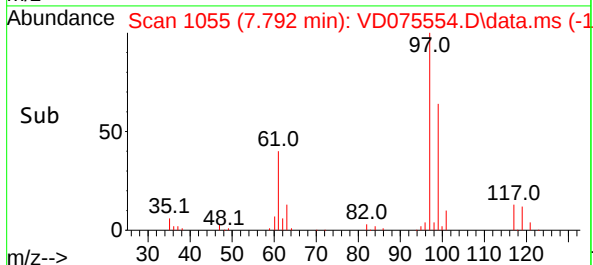
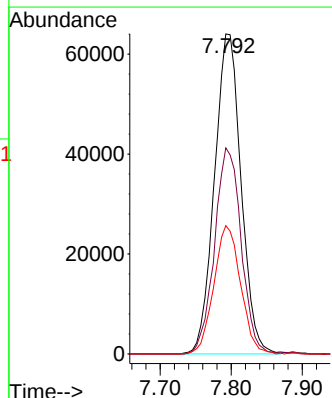
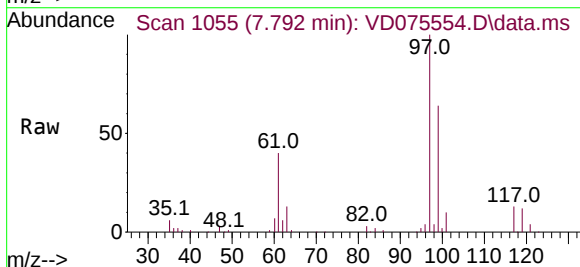
Tgt Ion: 97 Resp: 166507

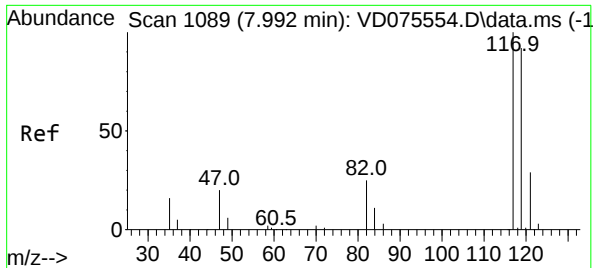
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 40.2 32.2 48.2

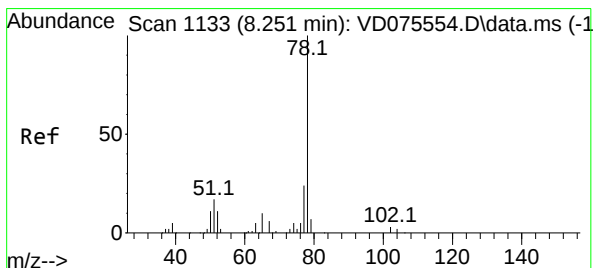
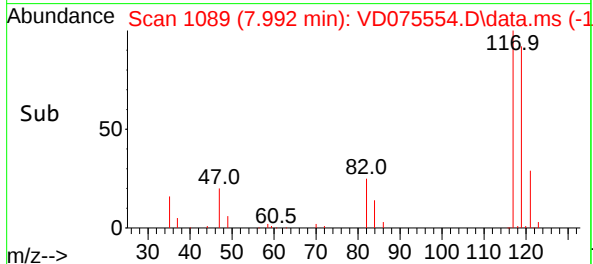
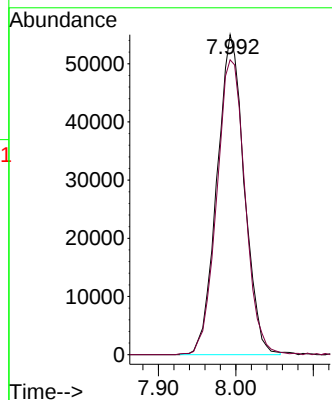
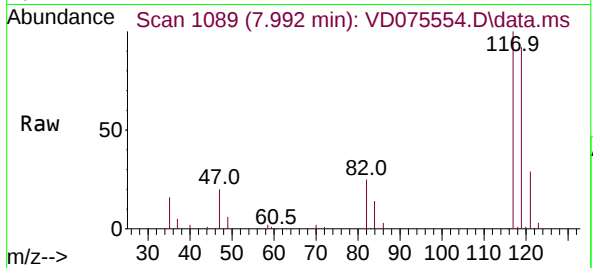




#31
Carbon tetrachloride
Concen: 22.121 ug/L
RT: 7.992 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

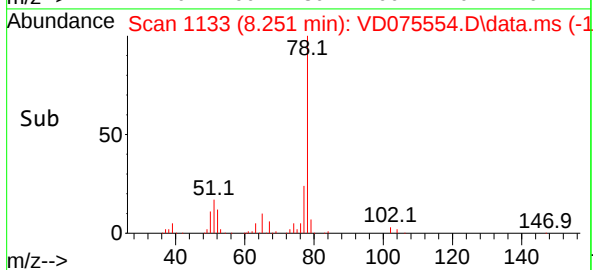
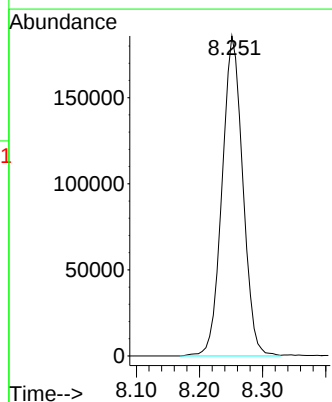
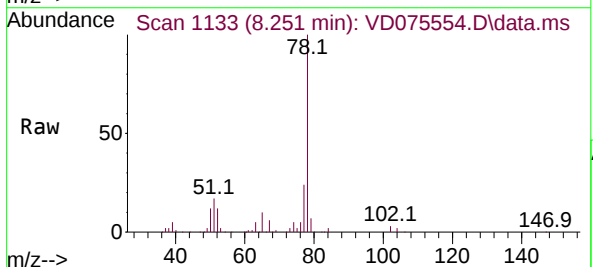
Instrument :
MSVOA_D
ClientSampleId :

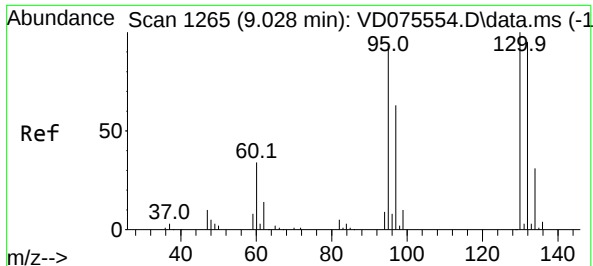
Tgt Ion:117 Resp: 134468
Ion Ratio Lower Upper
117 100
119 95.5 76.4 114.6



#33
Benzene
Concen: 21.546 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

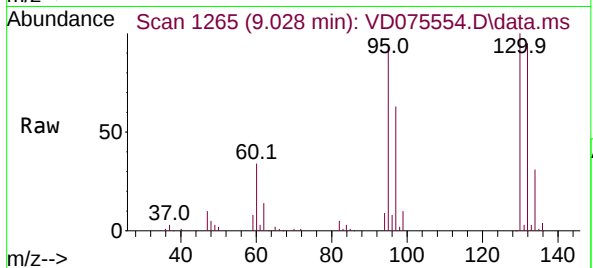
Tgt Ion: 78 Resp: 423796





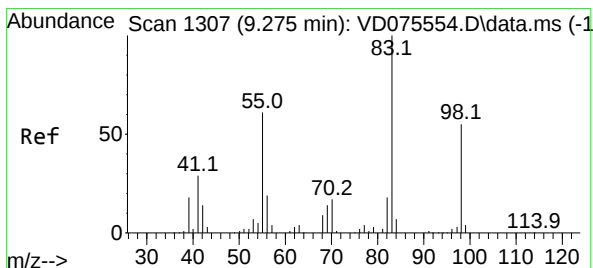
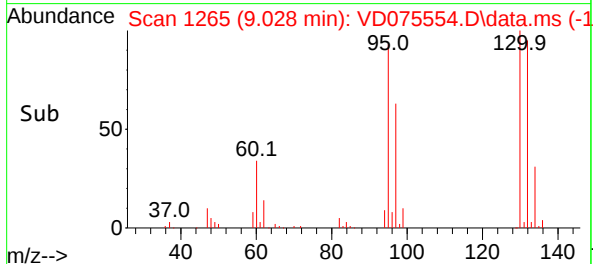
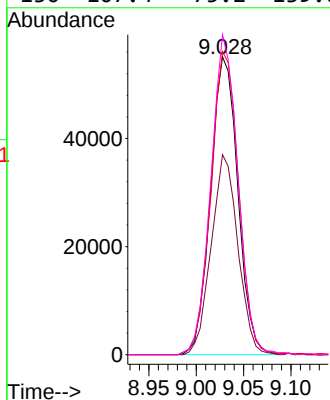
#34
Trichloroethene
Concen: 20.024 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 110343

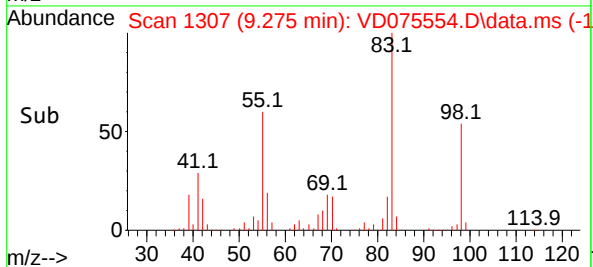
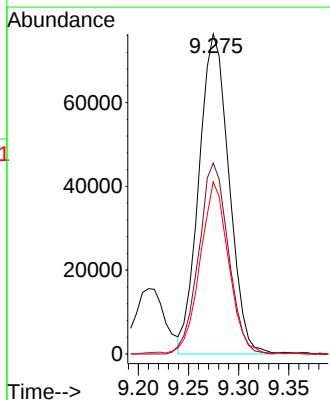
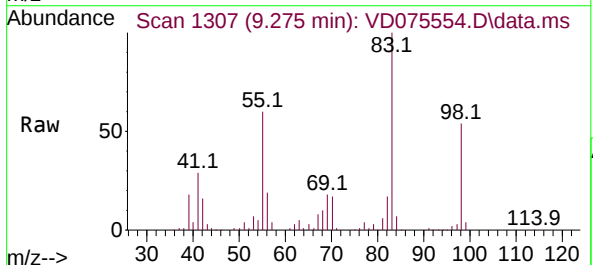
Ion	Ratio	Lower	Upper
95	100		
97	67.1	47.0	87.2
132	101.7	71.2	132.2
130	107.4	75.2	139.6

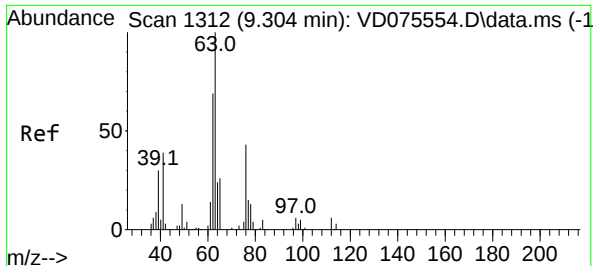


#35
Methylcyclohexane
Concen: 22.088 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion: 83 Resp: 159205

Ion	Ratio	Lower	Upper
83	100		
55	58.6	46.9	70.3
98	51.0	40.8	61.2





#37

1,2-Dichloropropane

Concen: 22.138 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

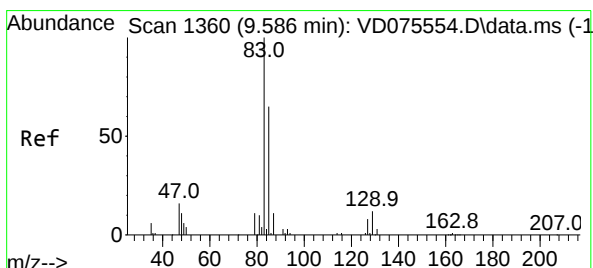
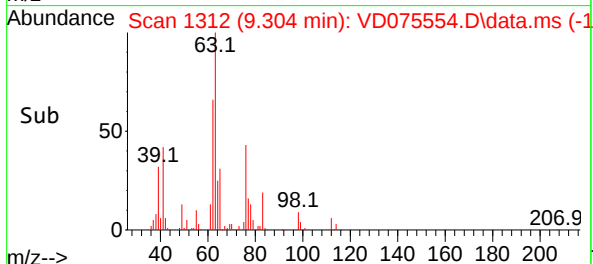
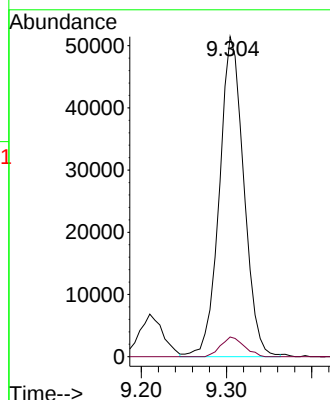
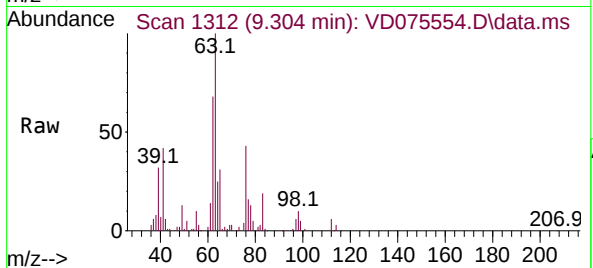
ClientSampleId :

Tgt Ion: 63 Resp: 102444

Ion Ratio Lower Upper

63 100

112 5.9 4.7 7.1



#38

Bromodichloromethane

Concen: 22.411 ug/L

RT: 9.586 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

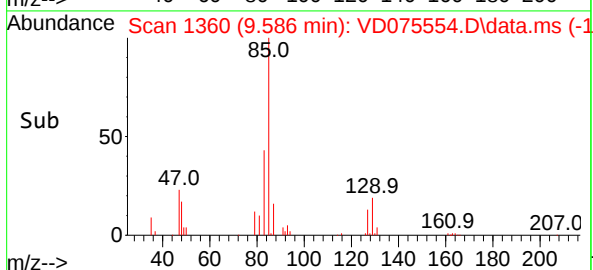
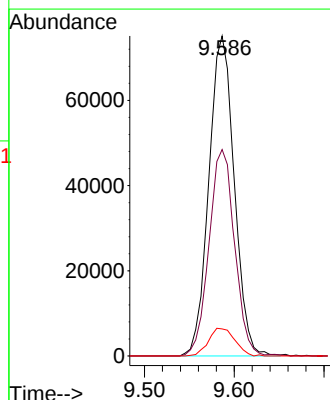
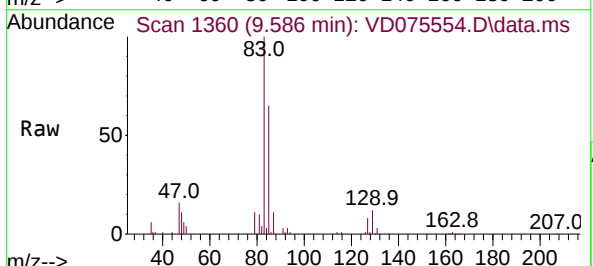
Tgt Ion: 83 Resp: 147707

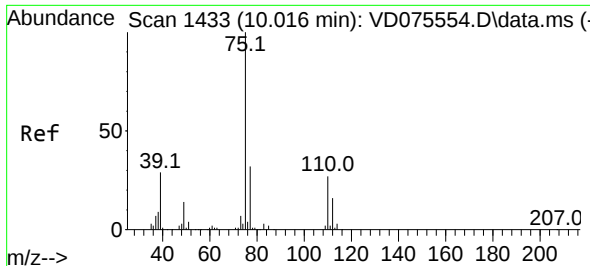
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 22.637 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

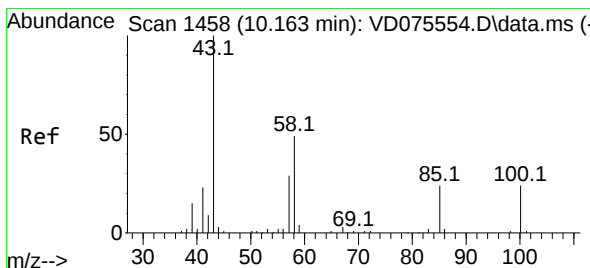
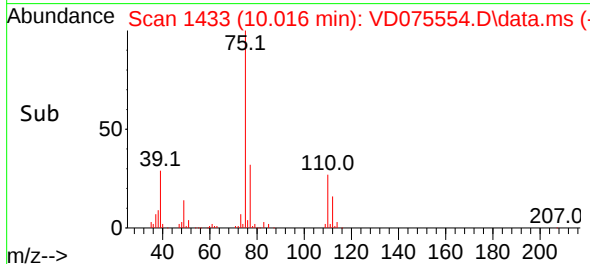
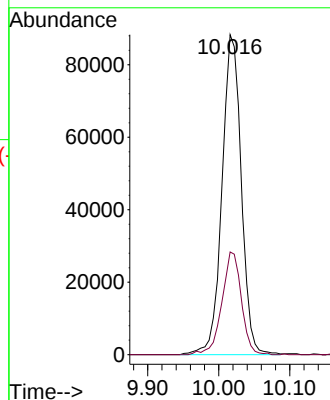
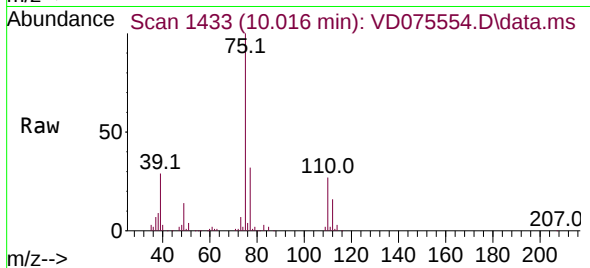
ClientSampleId :

Tgt Ion: 75 Resp: 166089

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 45.452 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

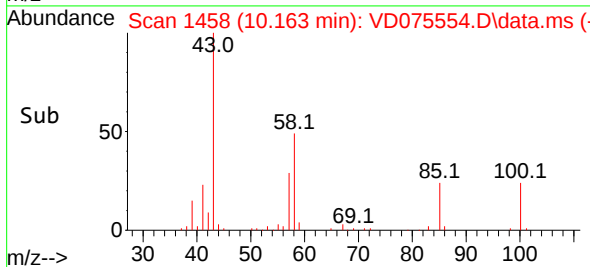
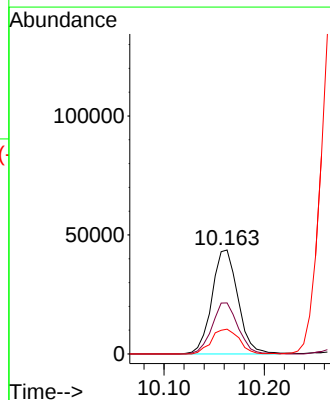
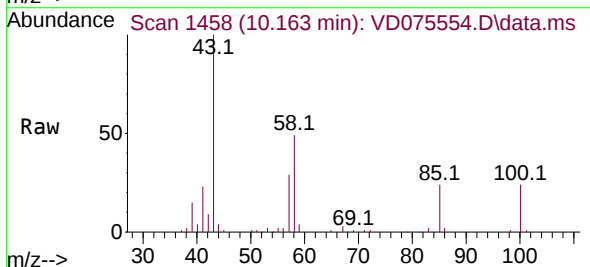
Tgt Ion: 43 Resp: 78835

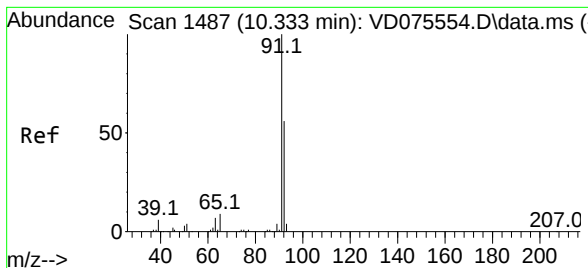
Ion Ratio Lower Upper

43 100

58 49.2 39.4 59.0

100 25.4 20.3 30.5





#42

Toluene

Concen: 22.311 ug/L

RT: 10.333 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

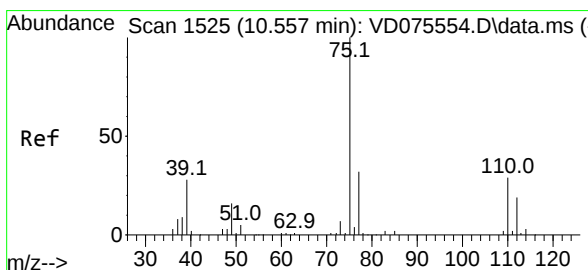
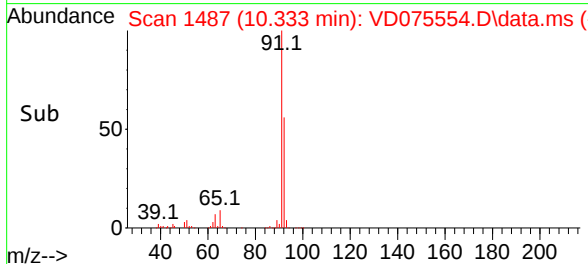
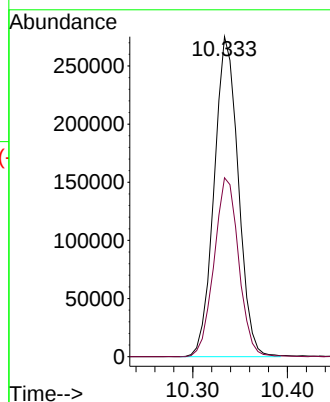
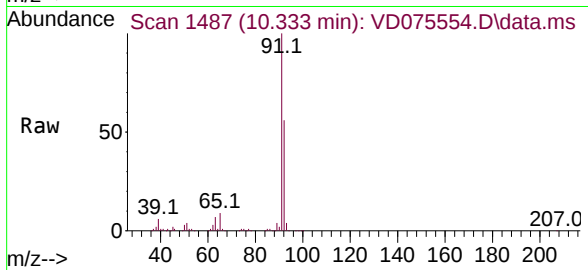
ClientSampleId :

Tgt Ion: 91 Resp: 487577

Ion Ratio Lower Upper

91 100

92 55.9 39.1 72.7



#44

trans-1,3-Dichloropropene

Concen: 22.299 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD075554.D

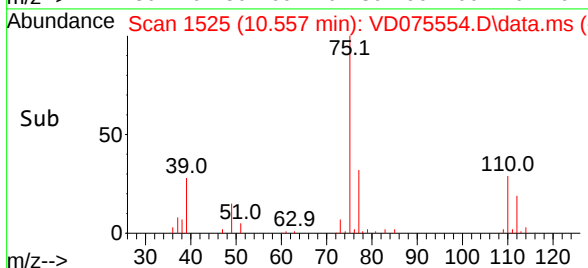
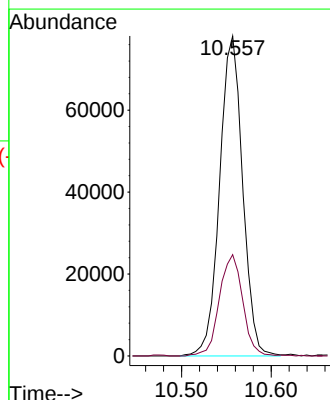
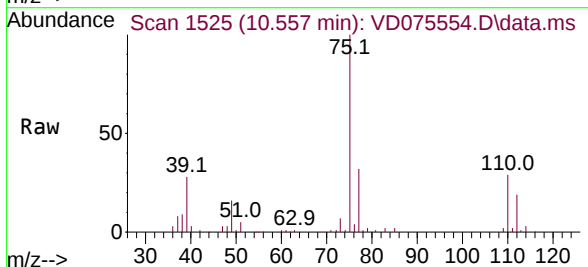
Acq: 31 Mar 2023 12:13

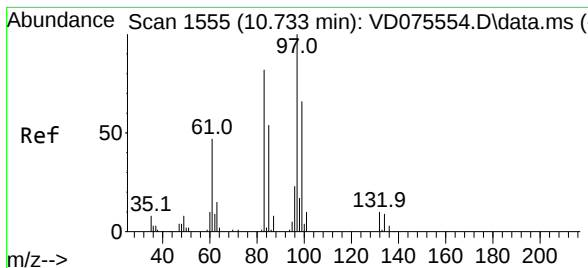
Tgt Ion: 75 Resp: 139103

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 22.159 ug/L

RT: 10.733 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 94099

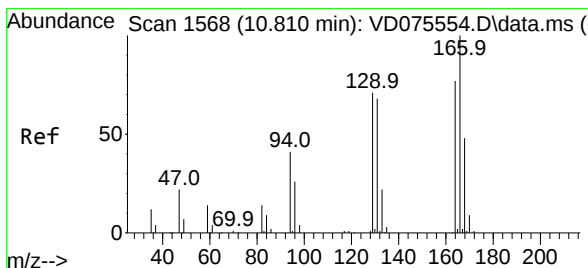
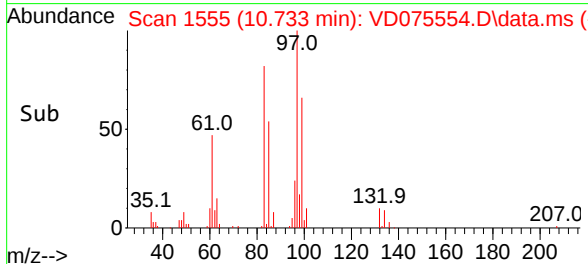
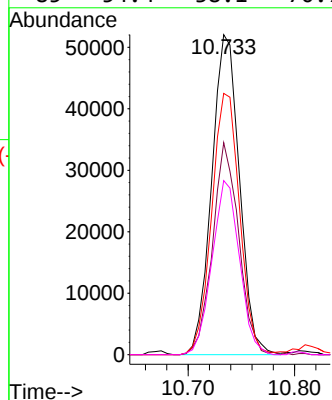
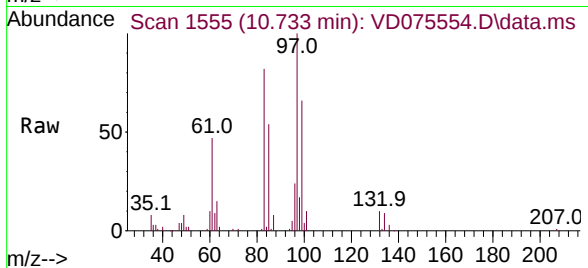
Ion Ratio Lower Upper

97 100

99 66.3 46.4 86.2

83 81.6 57.1 106.1

85 54.4 38.1 70.7



#46

Tetrachloroethene

Concen: 20.580 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Tgt Ion:164 Resp: 88818

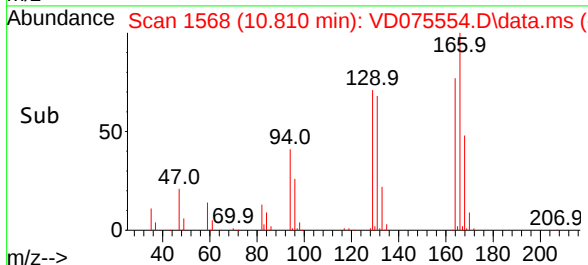
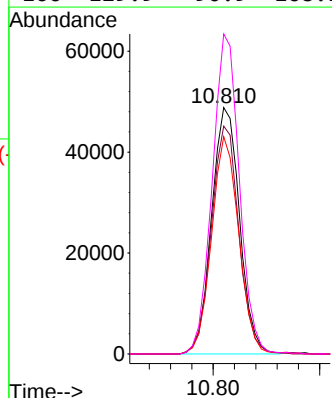
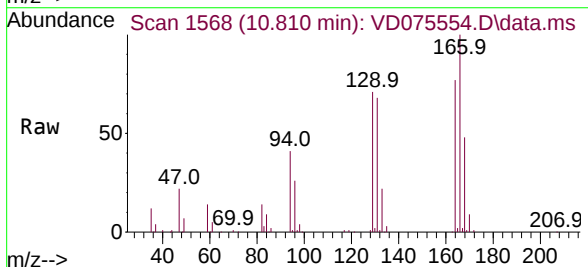
Ion Ratio Lower Upper

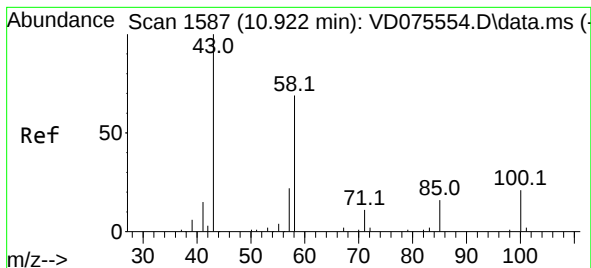
164 100

129 92.5 64.8 120.3

131 88.2 61.7 114.7

166 129.9 90.9 168.9





#48

2-Hexanone

Concen: 47.213 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

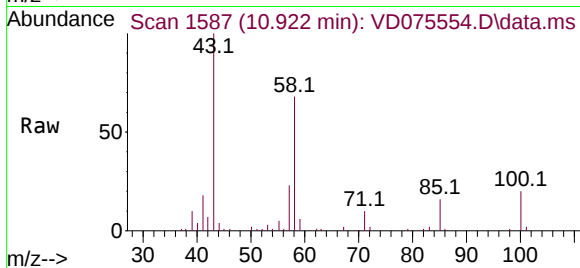
Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 55190

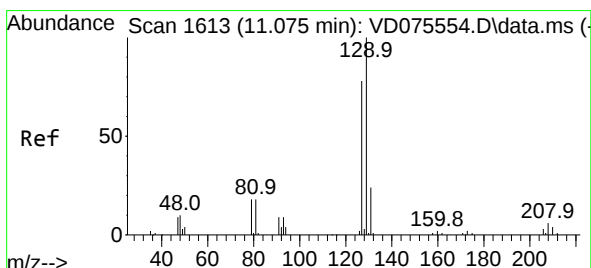
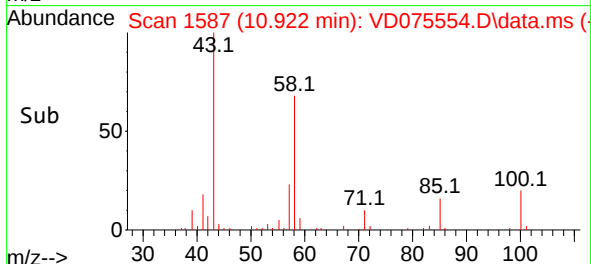
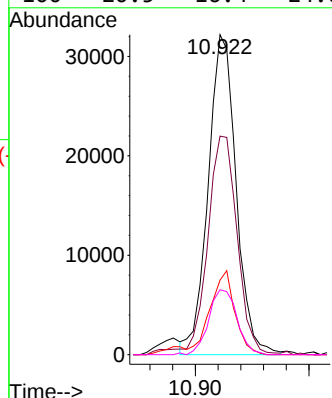
Ion Ratio Lower Upper

43 100

58 69.7 55.8 83.6

57 23.2 18.6 27.8

100 20.5 16.4 24.6



#49

Dibromochloromethane

Concen: 22.857 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075554.D

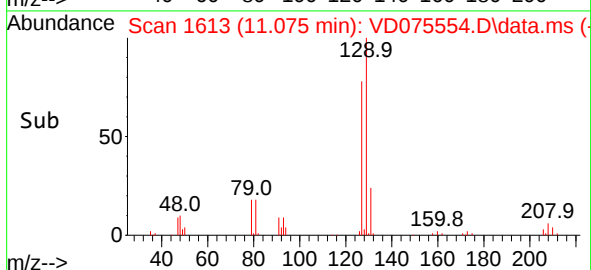
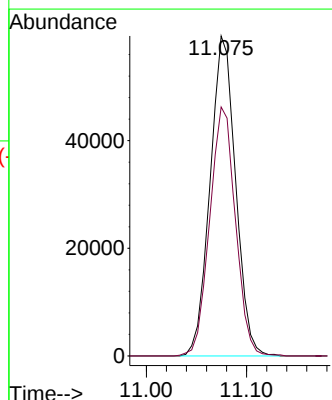
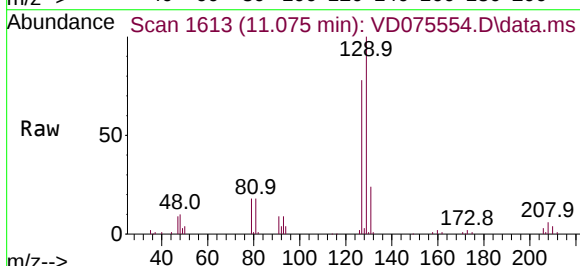
Acq: 31 Mar 2023 12:13

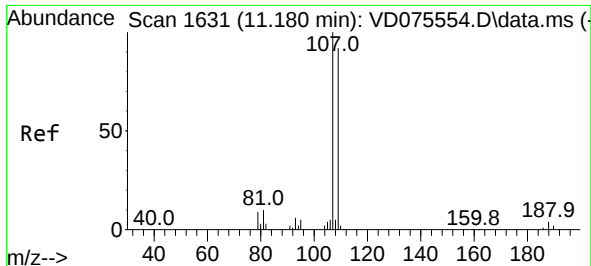
Tgt Ion:129 Resp: 105091

Ion Ratio Lower Upper

129 100

127 77.8 54.5 101.1

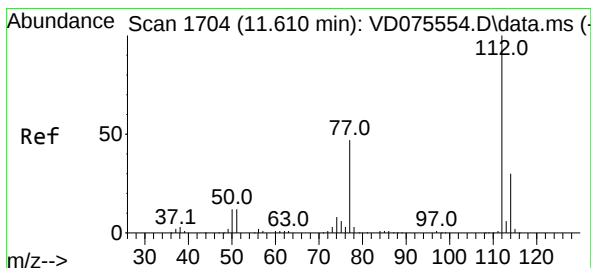
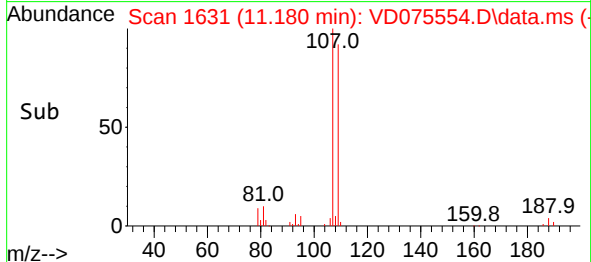
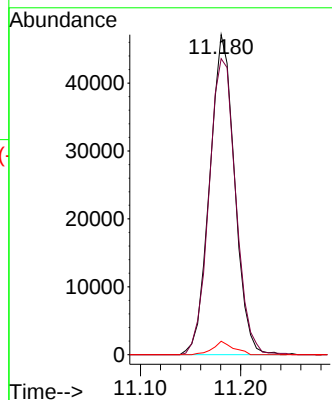
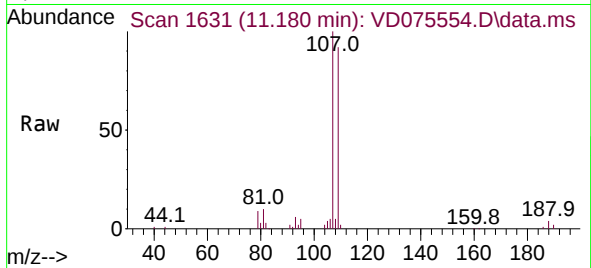




#50
1,2-Dibromoethane
Concen: 21.873 ug/L
RT: 11.180 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

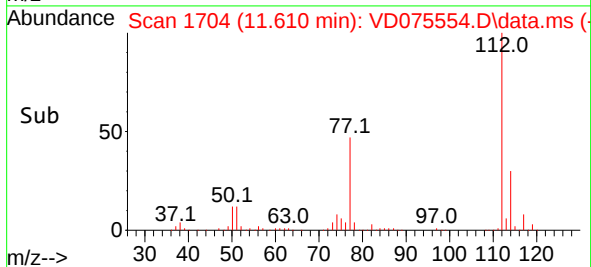
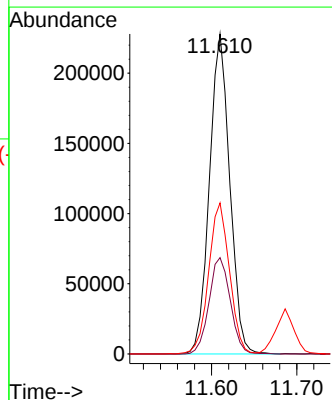
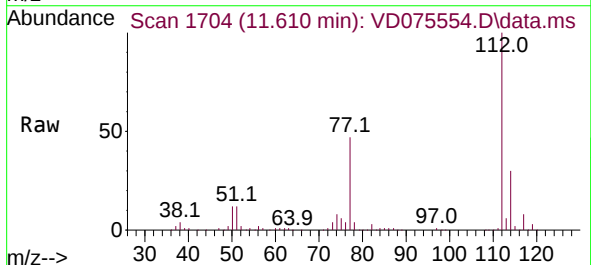
Instrument :
MSVOA_D
ClientSampleId :

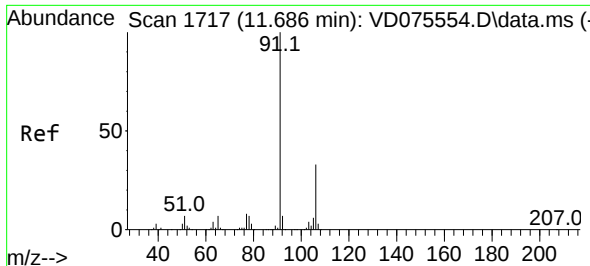
Tgt Ion:107 Resp: 81384
Ion Ratio Lower Upper
107 100
109 92.5 64.8 120.3
188 4.2 3.4 5.0



#51
Chlorobenzene
Concen: 25.700 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion:112 Resp: 378249
Ion Ratio Lower Upper
112 100
114 30.1 21.1 39.1
77 47.2 37.8 56.6

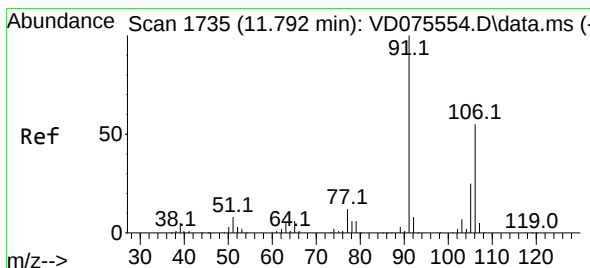
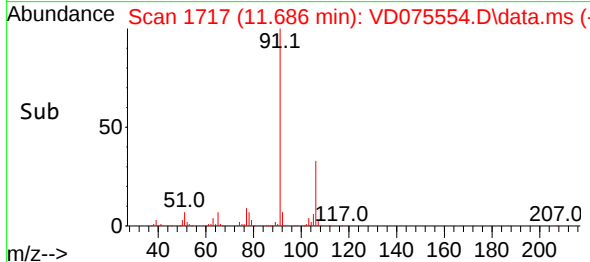
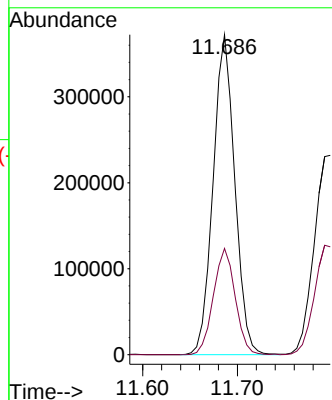
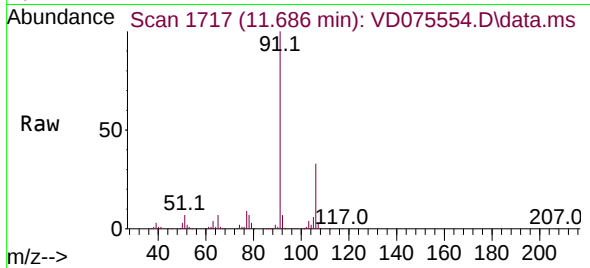




#52
Ethylbenzene
Concen: 25.769 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

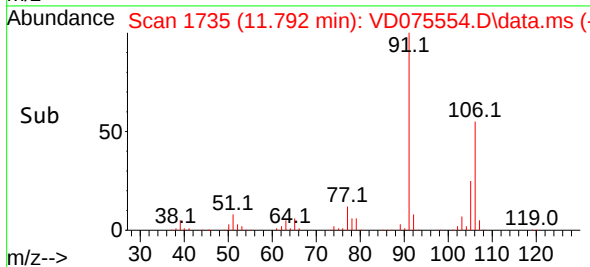
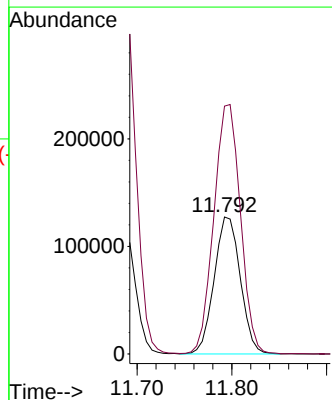
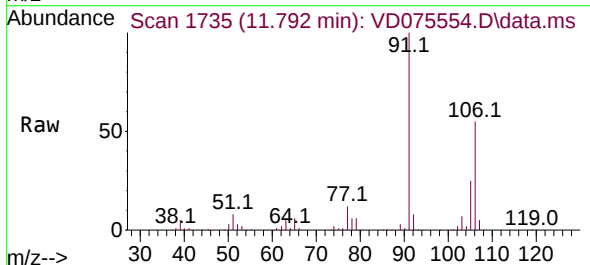
Instrument :
MSVOA_D
ClientSampleId :

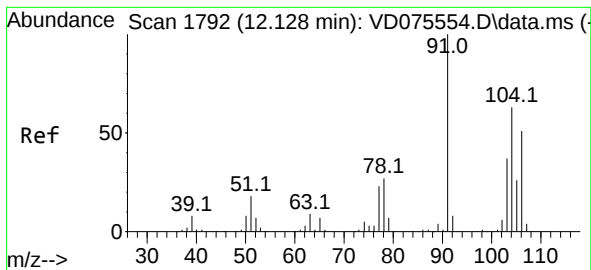
Tgt Ion: 91 Resp: 592187
Ion Ratio Lower Upper
91 100
106 33.2 23.2 43.2



#53
m,p-Xylene
Concen: 27.100 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion: 106 Resp: 244202
Ion Ratio Lower Upper
106 100
91 181.0 126.7 235.3





#54

o-Xylene

Concen: 26.791 ug/L

RT: 12.128 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

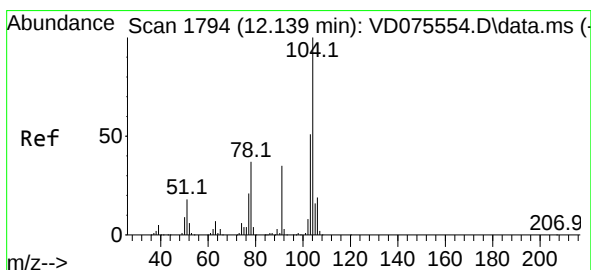
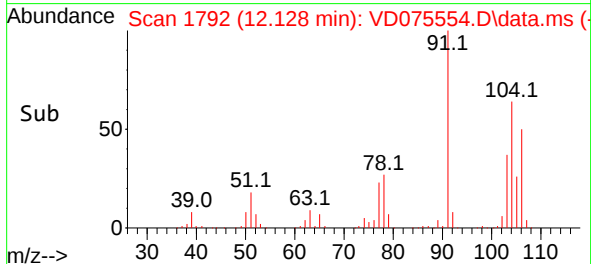
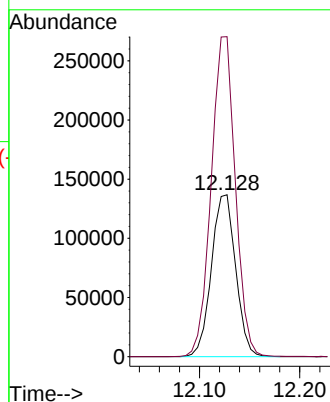
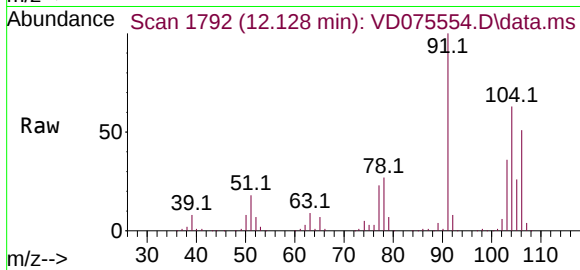
ClientSampleId :

Tgt Ion:106 Resp: 229883

Ion Ratio Lower Upper

106 100

91 197.6 138.3 256.9



#55

Styrene

Concen: 28.022 ug/L

RT: 12.139 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075554.D

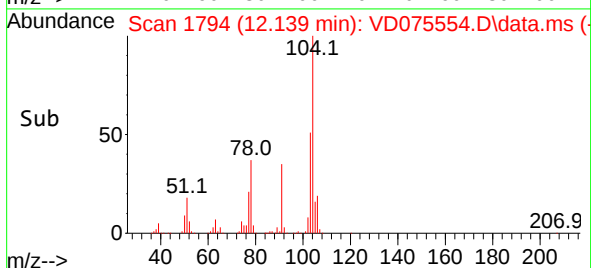
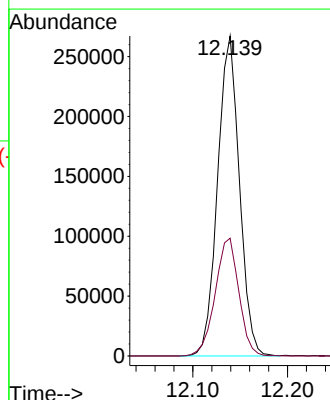
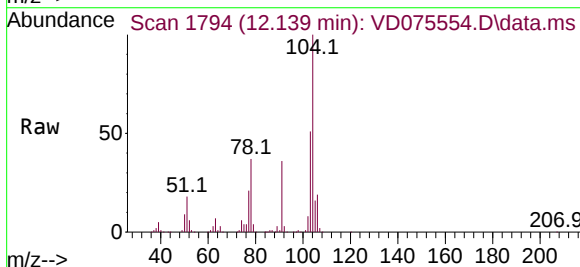
Acq: 31 Mar 2023 12:13

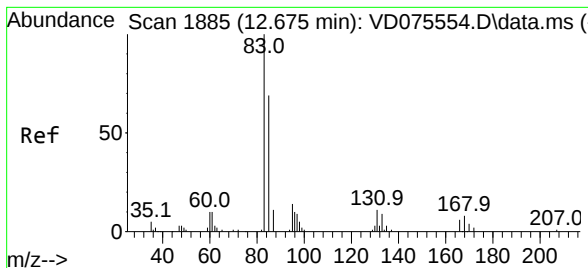
Tgt Ion:104 Resp: 428437

Ion Ratio Lower Upper

104 100

78 36.8 25.8 47.8

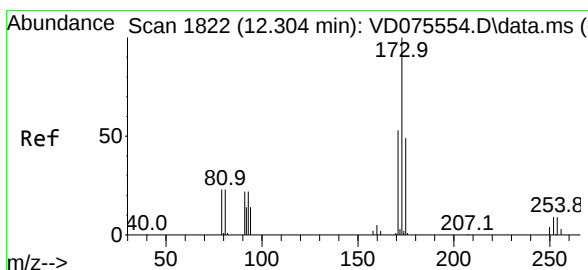
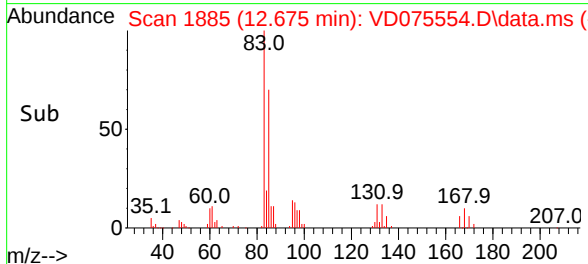
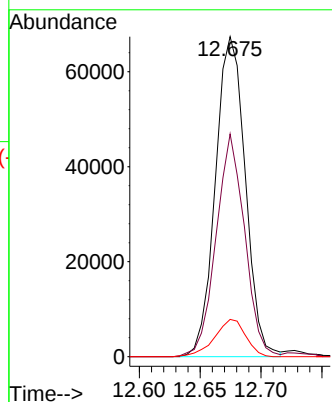
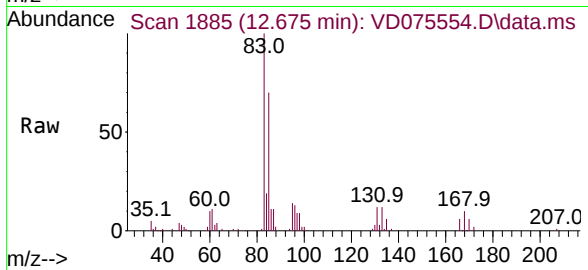




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.300 ug/L
 RT: 12.675 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

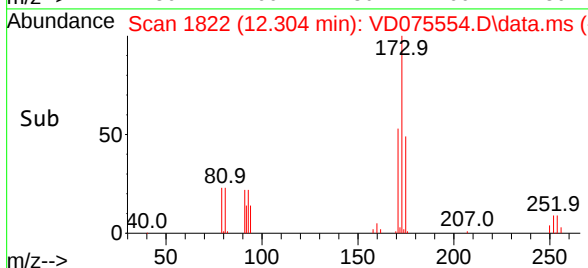
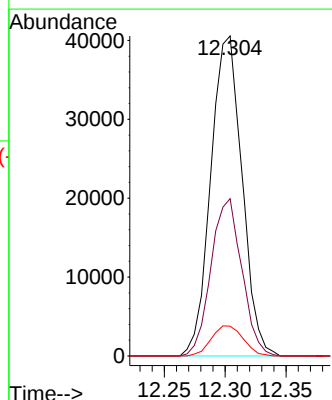
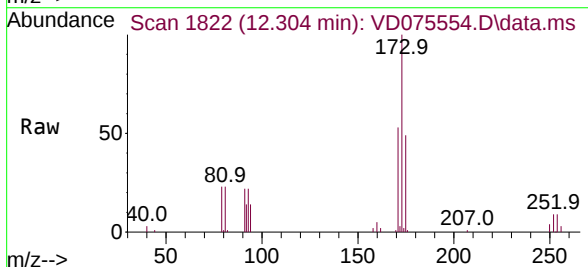
Instrument :
 MSVOA_D
 ClientSampleId :

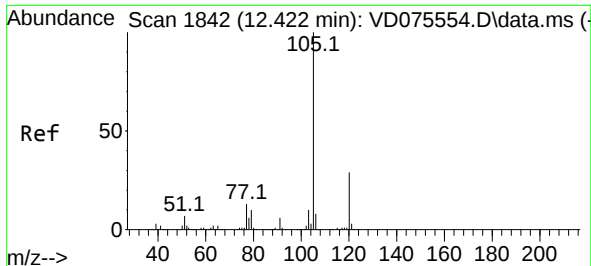
Tgt Ion: 83 Resp: 115258
 Ion Ratio Lower Upper
 83 100
 85 69.6 48.7 90.5
 131 11.6 9.3 13.9



#59
 Bromoform
 Concen: 28.961 ug/L
 RT: 12.304 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: VD075554.D
 Acq: 31 Mar 2023 12:13

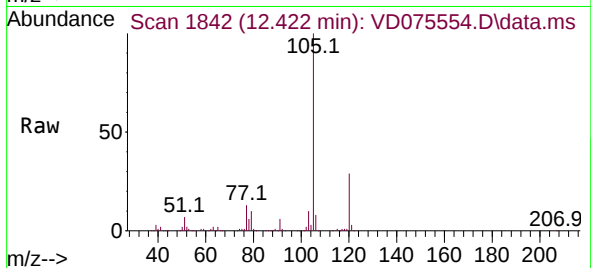
Tgt Ion: 173 Resp: 72506
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 9.6 7.7 11.5



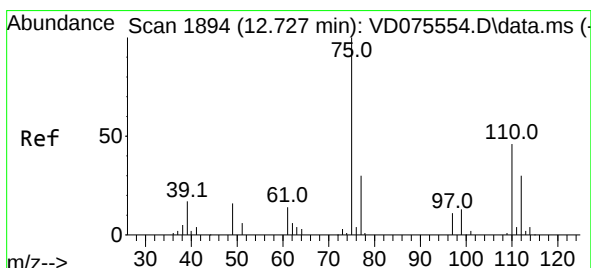
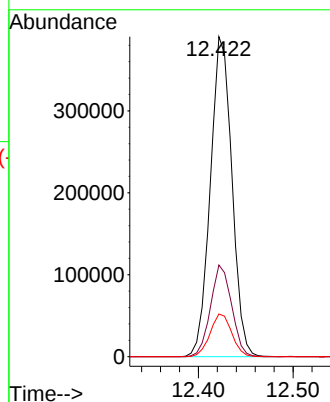
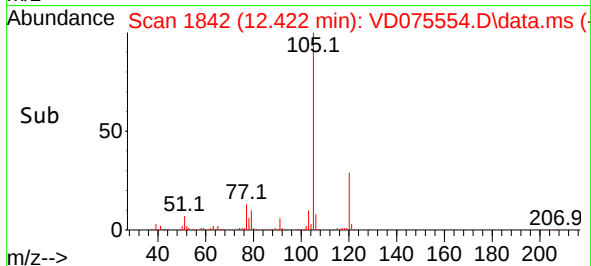


#60
Isopropylbenzene
Concen: 28.893 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Instrument :
MSVOA_D
ClientSampleId :

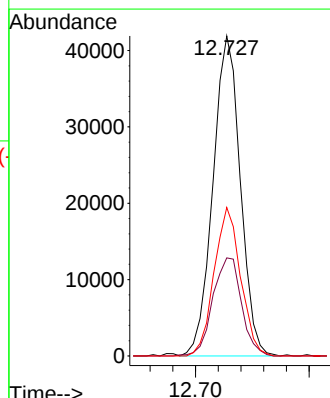
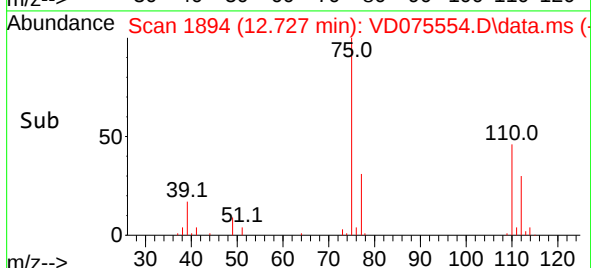
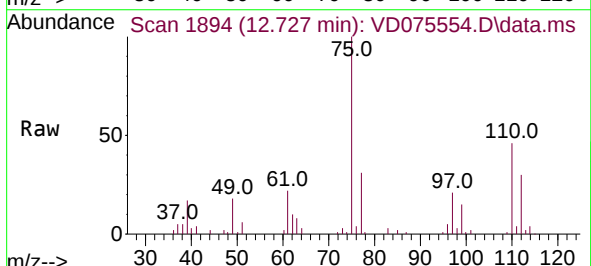


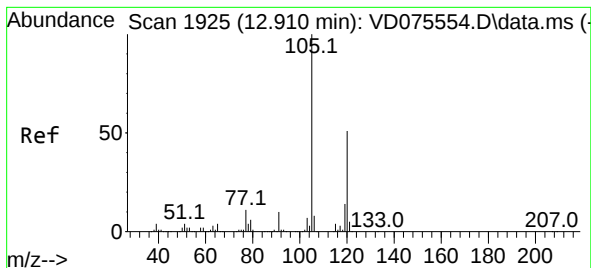
Tgt Ion:105 Resp: 617564
Ion Ratio Lower Upper
105 100
120 28.1 22.5 33.7
77 13.4 10.7 16.1



#61
1,2,3-Trichloropropane
Concen: 27.363 ug/L
RT: 12.727 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion: 75 Resp: 70111
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
110 44.9 35.9 53.9





#62

1,3,5-Trimethylbenzene

Concen: 29.360 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

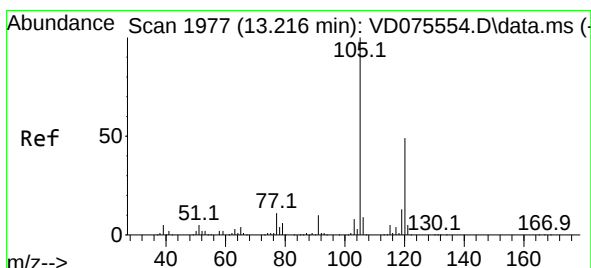
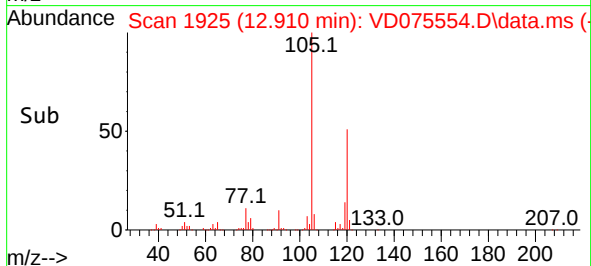
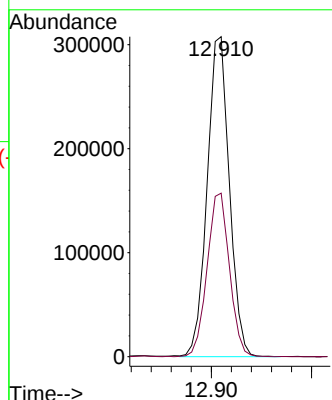
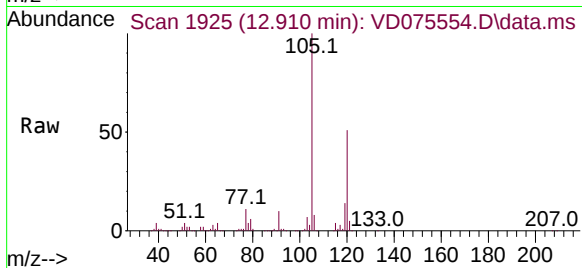
ClientSampleId :

Tgt Ion:105 Resp: 473361

Ion Ratio Lower Upper

105 100

120 51.4 41.1 61.7



#63

1,2,4-Trimethylbenzene

Concen: 29.763 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075554.D

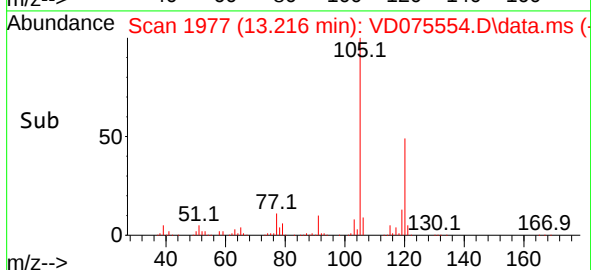
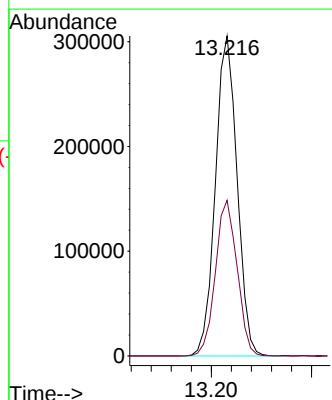
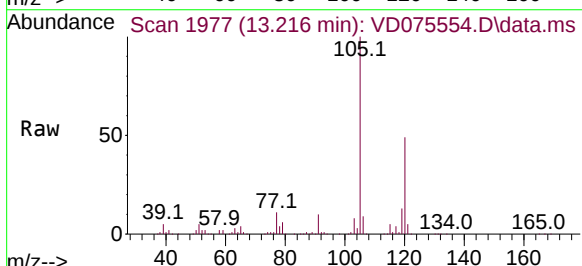
Acq: 31 Mar 2023 12:13

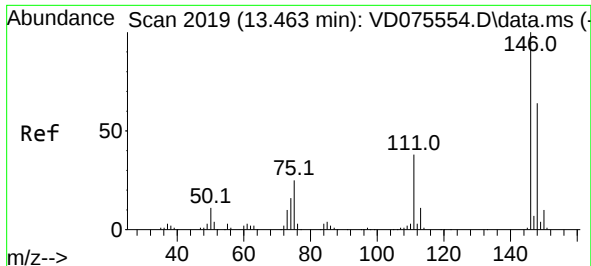
Tgt Ion:105 Resp: 458865

Ion Ratio Lower Upper

105 100

120 48.7 39.0 58.4

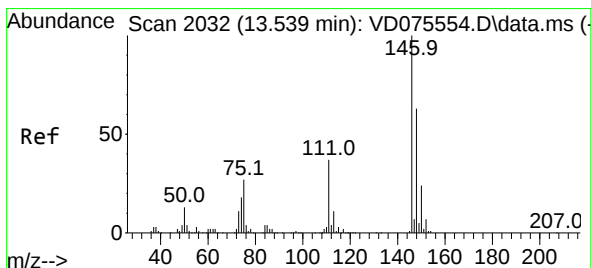
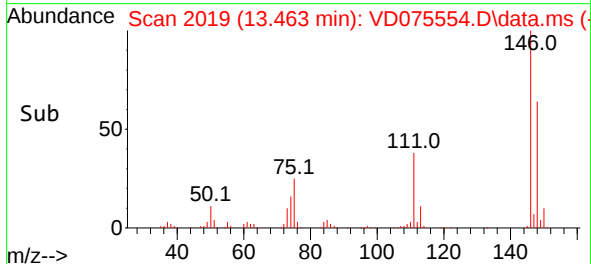
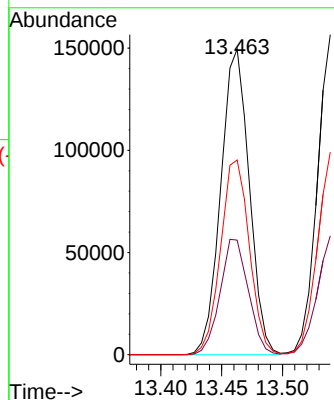
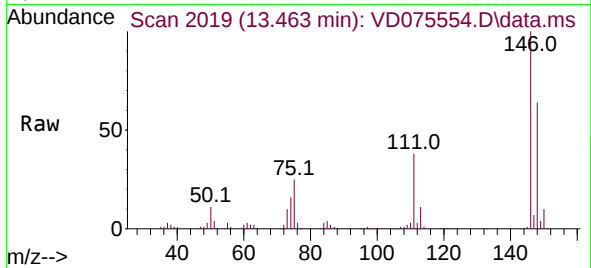




#64
1,3-Dichlorobenzene
Concen: 25.142 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

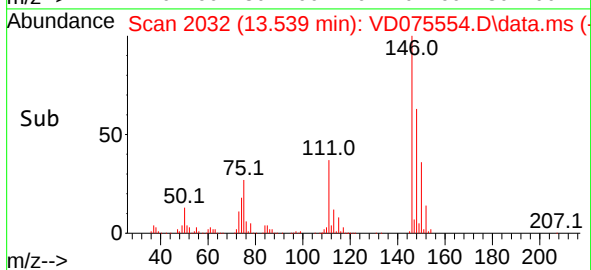
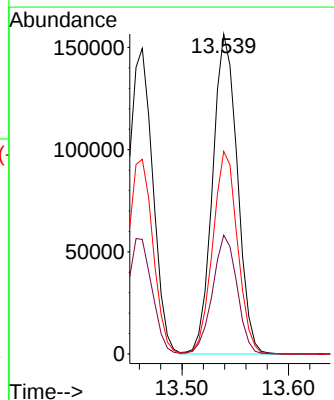
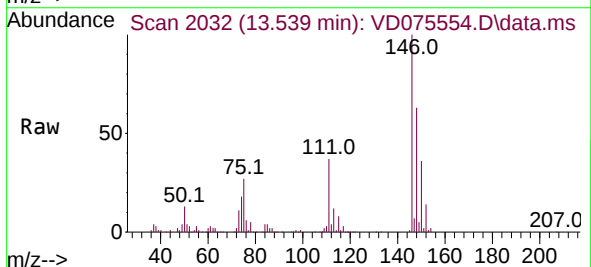
Instrument :
MSVOA_D
ClientSampleId :

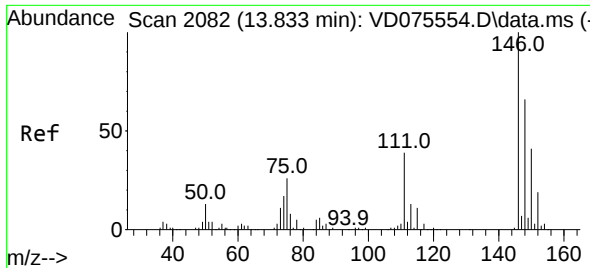
Tgt Ion:146 Resp: 243340
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 63.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 25.029 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075554.D
Acq: 31 Mar 2023 12:13

Tgt Ion:146 Resp: 252680
Ion Ratio Lower Upper
146 100
111 37.2 26.0 48.4
148 63.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 25.167 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :

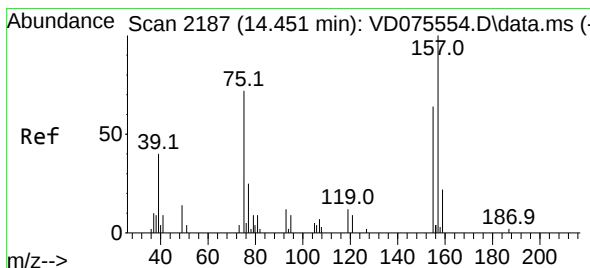
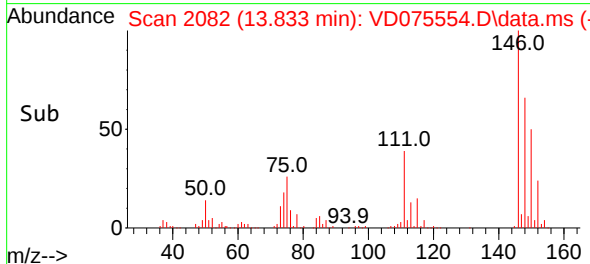
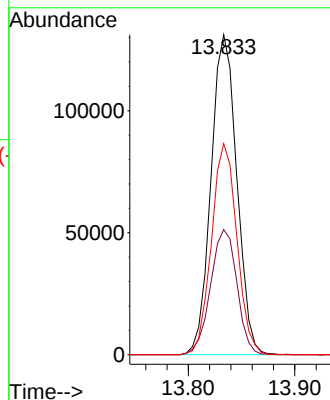
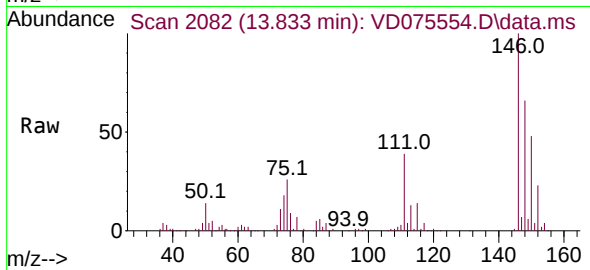
Tgt Ion:146 Resp: 220613

Ion Ratio Lower Upper

146 100

111 39.1 31.3 46.9

148 66.0 52.8 79.2



#68

1,2-Dibromo-3-chloropropane

Concen: 22.995 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

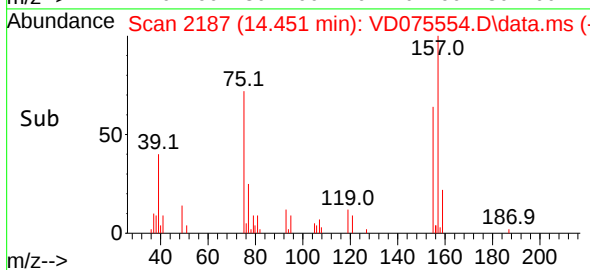
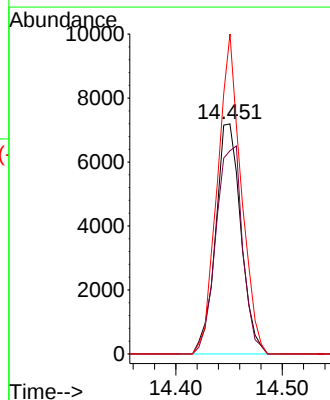
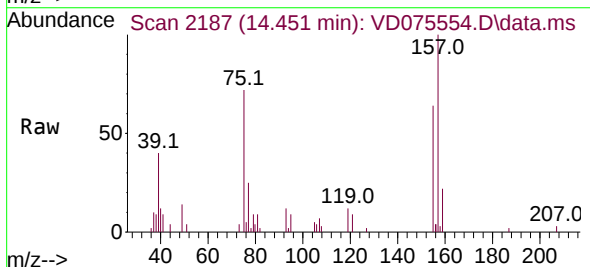
Tgt Ion: 75 Resp: 11865

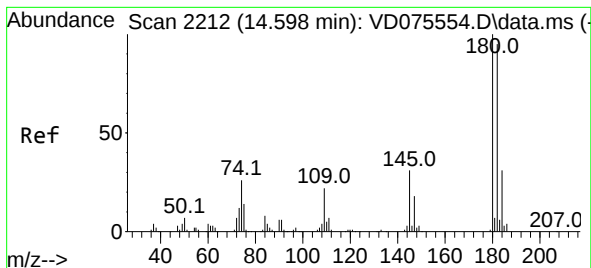
Ion Ratio Lower Upper

75 100

155 88.3 70.6 106.0

157 139.1 111.3 166.9





#69

1,3,5-Trichlorobenzene

Concen: 24.453 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

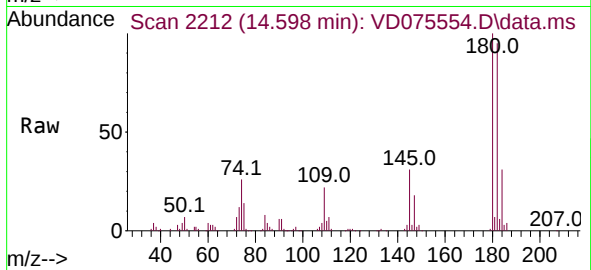
Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 145957

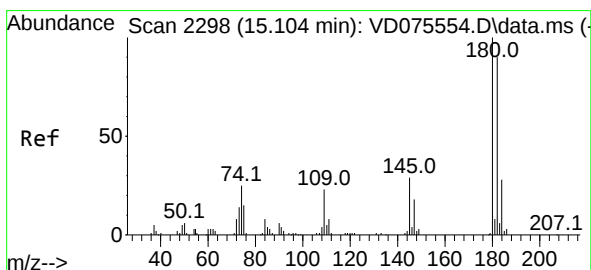
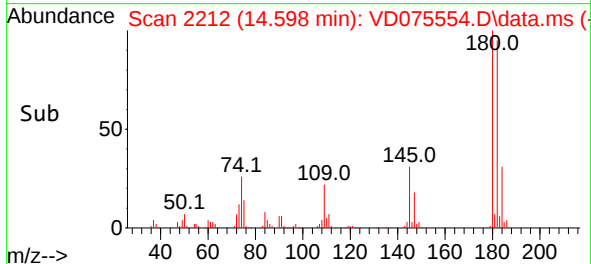
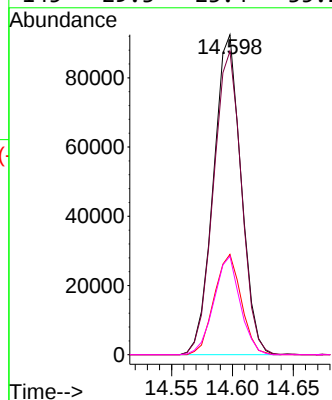
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

184 30.7 24.6 36.8

145 29.3 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 25.200 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

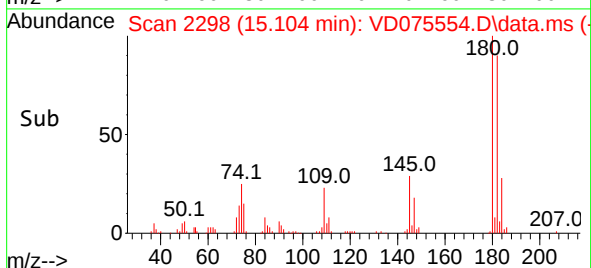
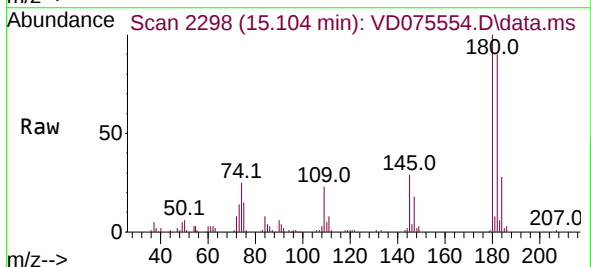
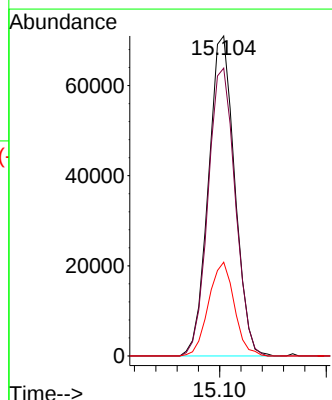
Tgt Ion:180 Resp: 121768

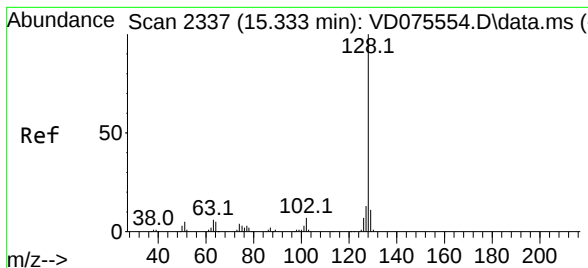
Ion Ratio Lower Upper

180 100

182 92.7 74.2 111.2

145 28.6 22.9 34.3





#71

Naphthalene

Concen: 25.490 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Instrument :

MSVOA_D

ClientSampleId :

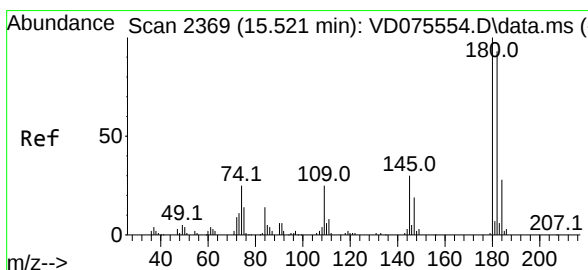
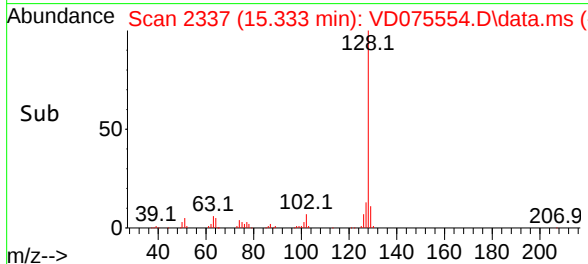
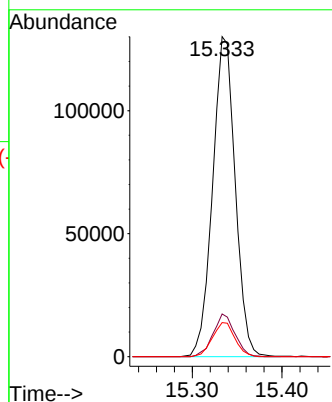
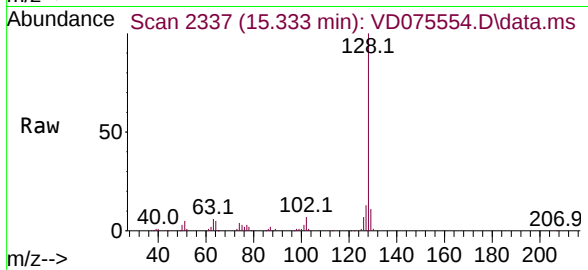
Tgt Ion:128 Resp: 227723

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 25.190 ug/L

RT: 15.521 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD075554.D

Acq: 31 Mar 2023 12:13

Tgt Ion:180 Resp: 109030

Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

145 31.5 25.2 37.8

