

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032923\
 Data File : VD075539.D
 Acq On : 29 Mar 2023 18:29
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025115

Quant Time: Mar 29 23:38:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Mar 29 23:32:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	353526	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	325878	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	163462	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	116353	13.255	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.040%
7) Chloroethane-d5	2.805	69	127763	16.819	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.280%
11) 1,1-Dichloroethene-d2	3.922	63	121980	14.877	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.520%
21) 2-Butanone-d5	6.993	46	32334	39.750	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.500%
24) Chloroform-d	7.569	84	191525	20.672	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.680%
26) 1,2-Dichloroethane-d4	8.234	65	78332	19.516	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.080%
32) Benzene-d6	8.205	84	340337	17.586	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.360%
36) 1,2-Dichloropropane-d6	9.210	67	103648	18.949	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.800%
41) Toluene-d8	10.269	98	314111	17.791	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.160%
43) trans-1,3-Dichloroprop...	10.528	79	43076	19.271	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.080%
47) 2-Hexanone-d5	10.881	63	33439	42.376	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.760%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	106054	23.179	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	125669	21.979	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	87540	16.095	ug/L	97
3) Chloromethane	2.146	50	121908	13.328	ug/L	97
5) Vinyl chloride	2.281	62	186949	16.252	ug/L	97
6) Bromomethane	2.693	94	118330	21.705	ug/L	100
8) Chloroethane	2.840	64	129995	17.971	ug/L	97
9) Trichlorofluoromethane	3.175	101	159774	18.555	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	110517	18.579	ug/L	98
12) 1,1-Dichloroethene	3.940	96	89240	17.037	ug/L	92
13) Acetone	4.017	43	28220	30.711	ug/L	95
14) Carbon disulfide	4.269	76	214969	14.677	ug/L	97
15) Methyl Acetate	4.569	43	26142	16.764	ug/L	92
16) Methylene chloride	4.799	84	127518	17.079	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	97238	17.318	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	191389	18.341	ug/L	98
19) 1,1-Dichloroethane	6.116	63	165543	17.428	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	116881	18.427	ug/L	93
22) 2-Butanone	7.075	43	34712	29.769	ug/L	87
23) Bromochloromethane	7.428	128	54000	19.872	ug/L	92
25) Chloroform	7.599	83	197912	19.109	ug/L	99

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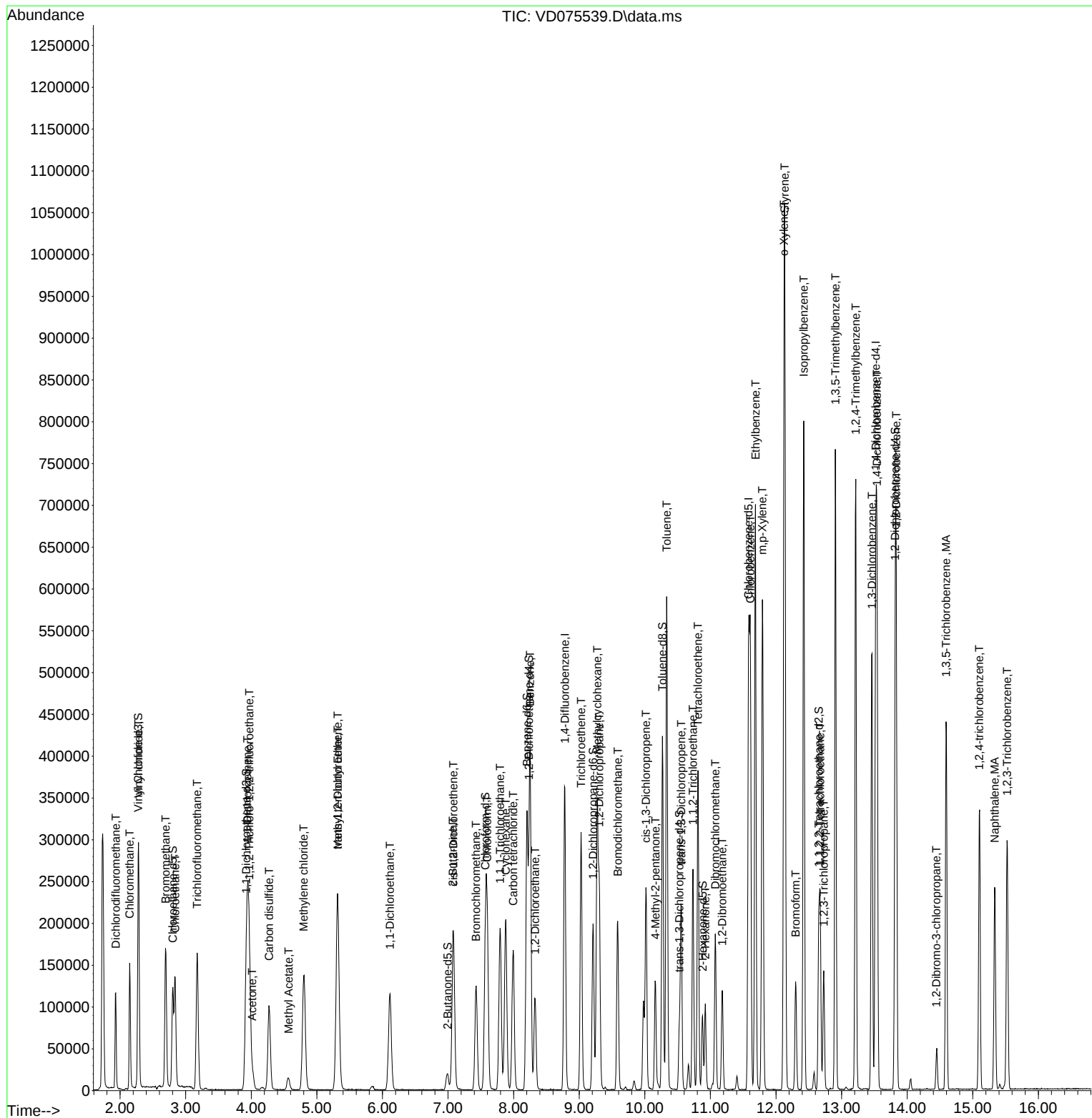
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	100321	17.962	ug/L	98
29) Cyclohexane	7.881	56	107679	15.443	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	163814	18.695	ug/L	97
31) Carbon tetrachloride	7.993	117	131163	18.846	ug/L	99
33) Benzene	8.252	78	414336	17.692	ug/L	100
34) Trichloroethene	9.028	95	109180	17.851	ug/L	98
35) Methylcyclohexane	9.275	83	158083	16.556	ug/L	96
37) 1,2-Dichloropropane	9.305	63	100835	17.521	ug/L	98
38) Bromodichloromethane	9.587	83	145116	19.062	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	156738	17.796	ug/L	94
40) 4-Methyl-2-pentanone	10.163	43	74647	33.823	ug/L	96
42) Toluene	10.334	91	478457	18.661	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	133435	18.389	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	92227	20.065	ug/L	97
46) Tetrachloroethene	10.810	164	86636	18.486	ug/L	98
48) 2-Hexanone	10.922	43	54074	33.301	ug/L	94
49) Dibromochloromethane	11.075	129	101325	20.180	ug/L	99
50) 1,2-Dibromoethane	11.181	107	80318	19.331	ug/L #	97
51) Chlorobenzene	11.610	112	315631	18.940	ug/L	99
52) Ethylbenzene	11.687	91	517299	18.972	ug/L	100
53) m,p-Xylene	11.793	106	205051	19.088	ug/L	98
54) o-Xylene	12.122	106	201132	19.792	ug/L	97
55) Styrene	12.134	104	364706	20.207	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	101083	20.093	ug/L	98
59) Bromoform	12.298	173	59867	20.297	ug/L	99
60) Isopropylbenzene	12.422	105	544253	19.797	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	60479	18.457	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	415518	20.134	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	407387	20.188	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	242695	19.956	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	248691	19.880	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	218479	20.162	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	11863	18.643	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	146215	19.173	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	114981	18.752	ug/L	98
71) Naphthalene	15.334	128	223664	18.391	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	108897	20.148	ug/L	99

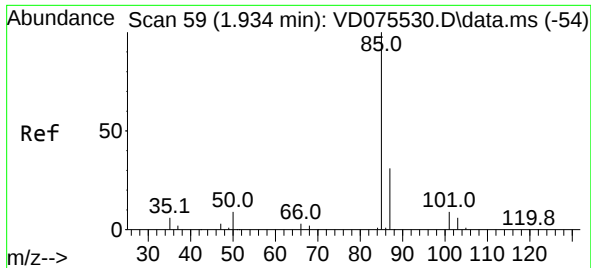
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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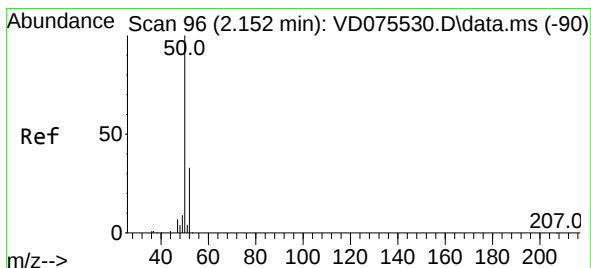
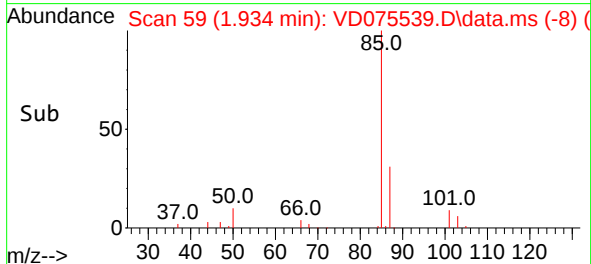
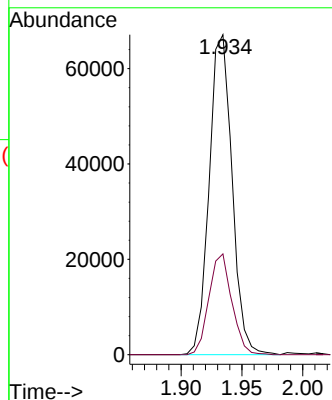
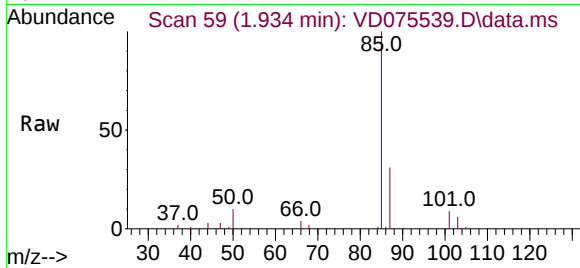




#2
 Dichlorodifluoromethane
 Concen: 16.095 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075539.D
 Acq: 29 Mar 2023 18:29

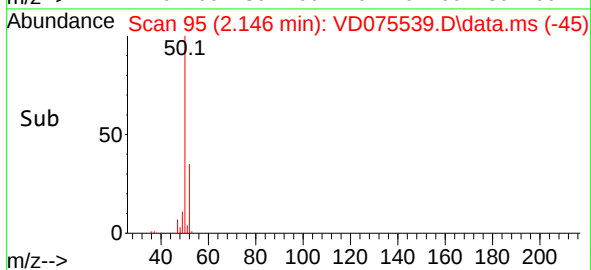
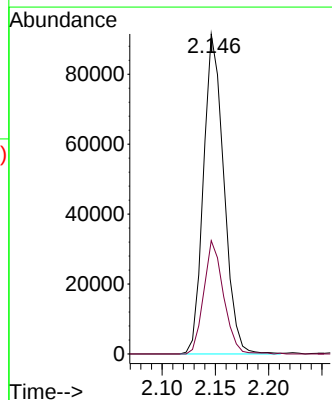
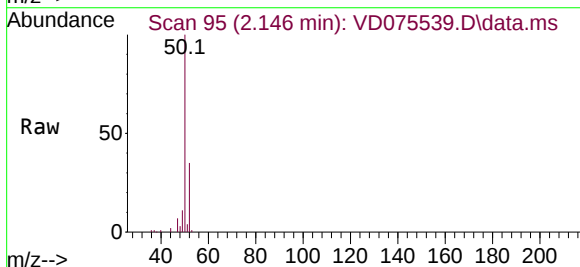
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 ClientSampleId :
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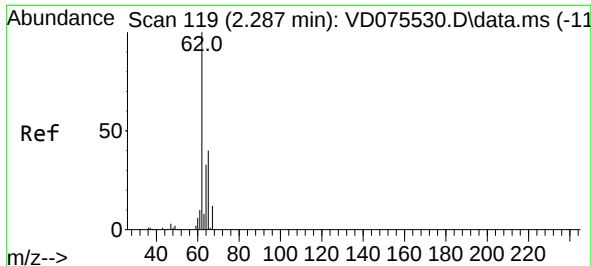
Tgt Ion: 85 Resp: 87540
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.4 39.6



#3
 Chloromethane
 Concen: 13.328 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VD075539.D
 Acq: 29 Mar 2023 18:29

Tgt Ion: 50 Resp: 121908
 Ion Ratio Lower Upper
 50 100
 52 35.4 23.7 43.9

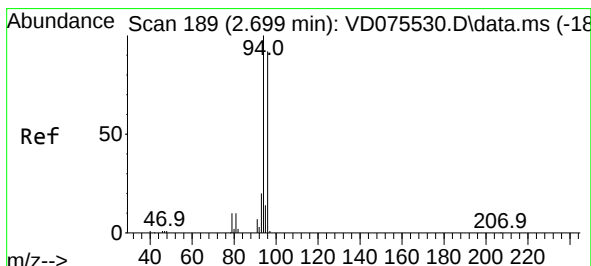
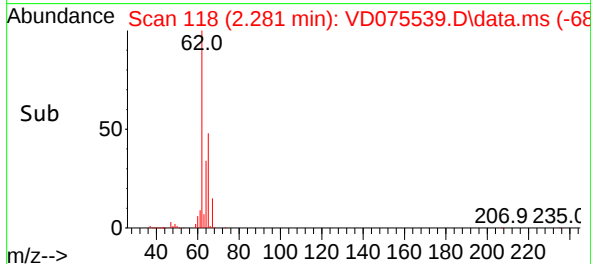
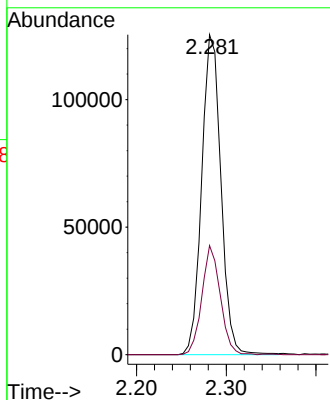
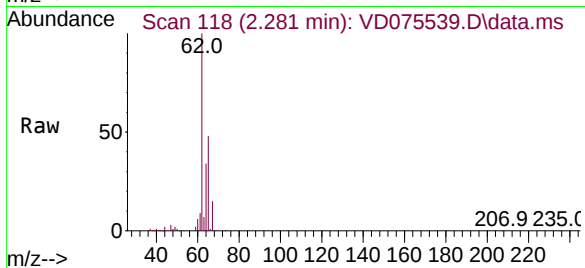




#5
Vinyl chloride
Concen: 16.252 ug/L
RT: 2.281 min Scan# 119
Delta R.T. -0.006 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

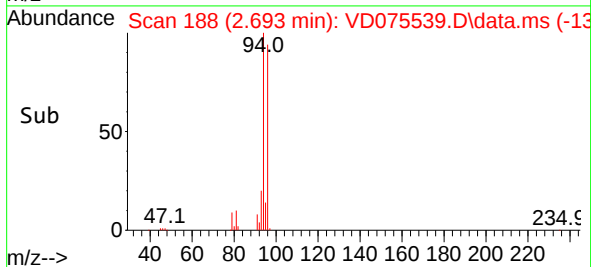
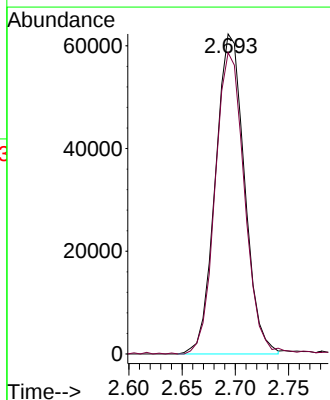
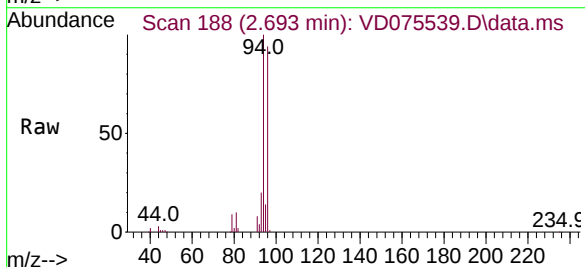
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

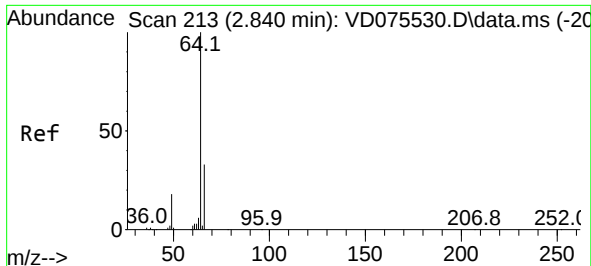
Tgt Ion: 62 Resp: 186949
Ion Ratio Lower Upper
62 100
64 34.1 22.7 42.3



#6
Bromomethane
Concen: 21.705 ug/L
RT: 2.693 min Scan# 188
Delta R.T. -0.006 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion: 94 Resp: 118330
Ion Ratio Lower Upper
94 100
96 94.1 65.9 122.5

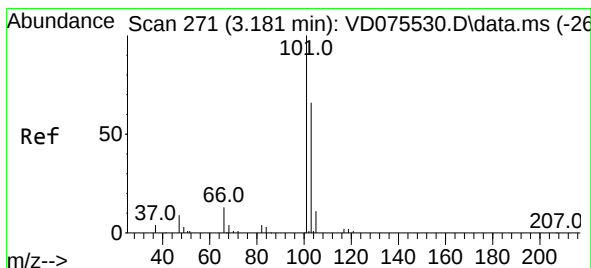
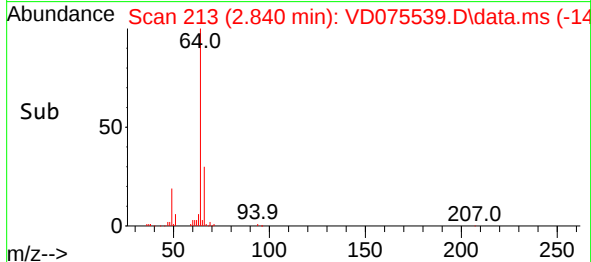
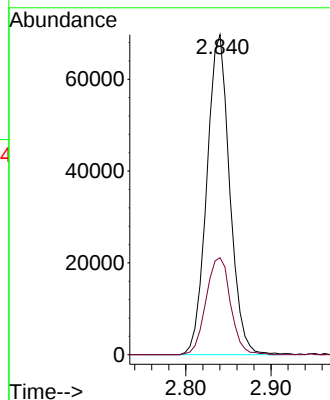
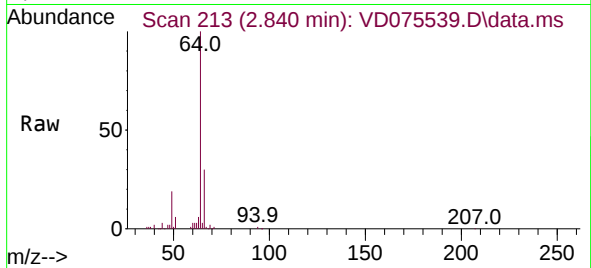




#8
Chloroethane
Concen: 17.971 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

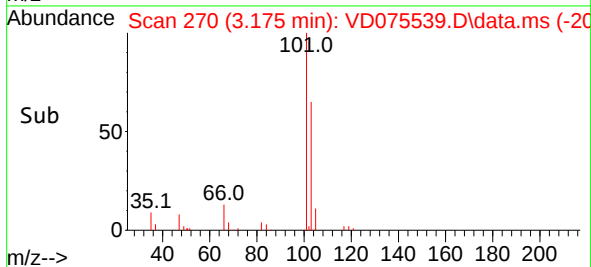
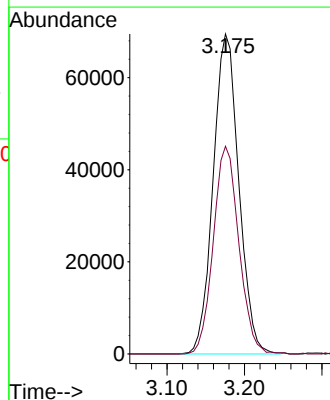
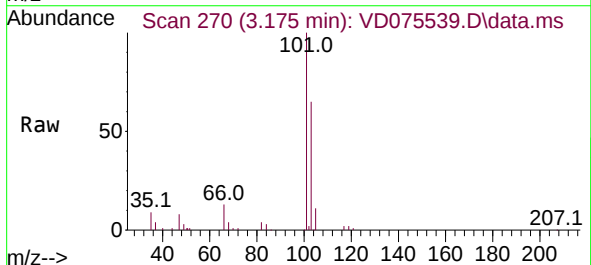
Instrument :
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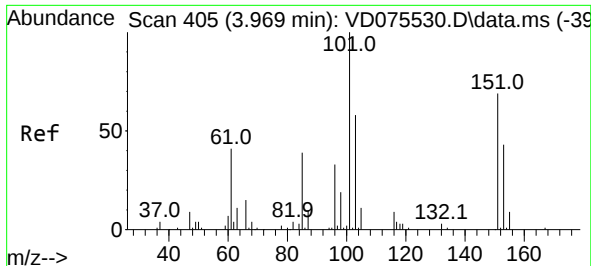
Tgt Ion: 64 Resp: 129995
Ion Ratio Lower Upper
64 100
66 30.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 18.555 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:101 Resp: 159774
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

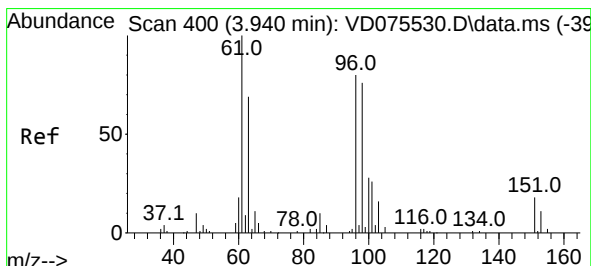
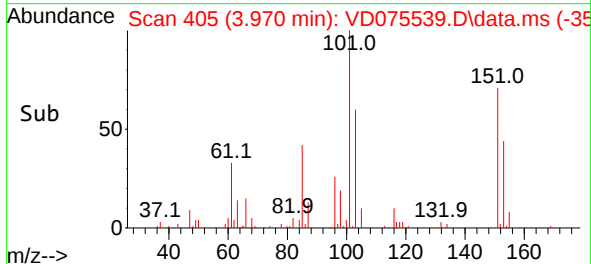
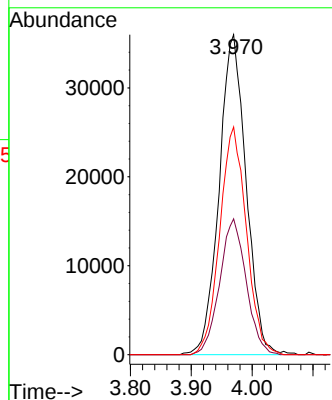
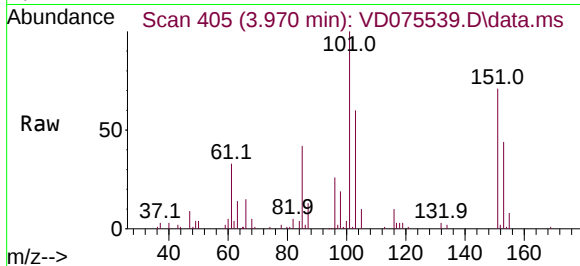




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 18.579 ug/L
 RT: 3.970 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075539.D
 Acq: 29 Mar 2023 18:29

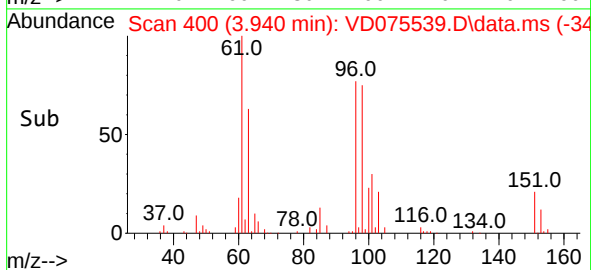
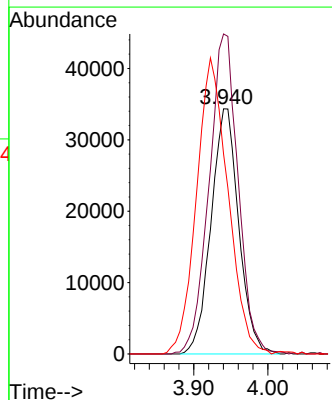
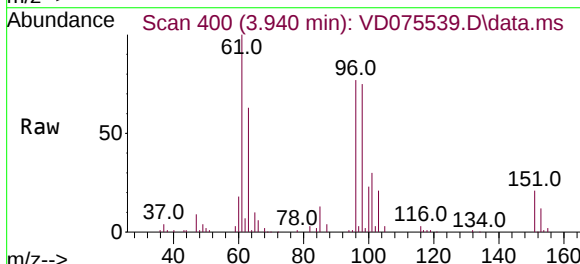
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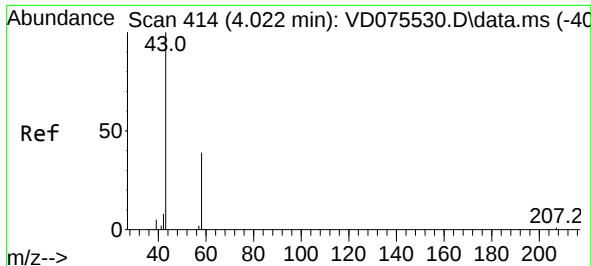
Tgt Ion:101 Resp: 110517
 Ion Ratio Lower Upper
 101 100
 85 41.8 34.0 51.0
 151 70.3 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 17.037 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD075539.D
 Acq: 29 Mar 2023 18:29

Tgt Ion: 96 Resp: 89240
 Ion Ratio Lower Upper
 96 100
 61 130.6 97.5 181.1
 63 81.6 62.4 116.0





#13

Acetone

Concen: 30.711 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

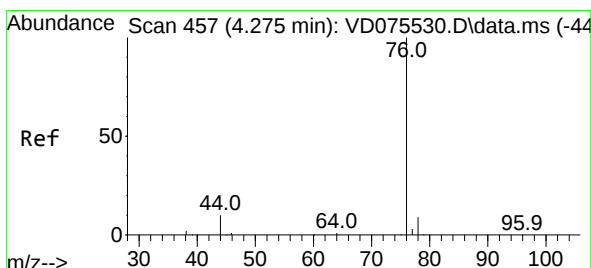
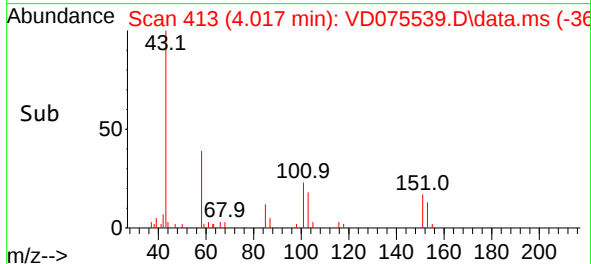
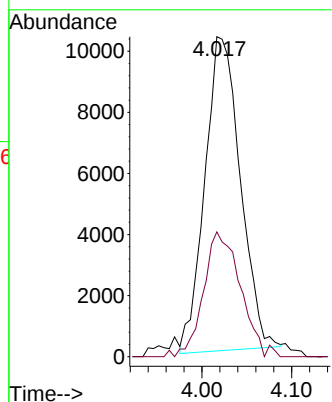
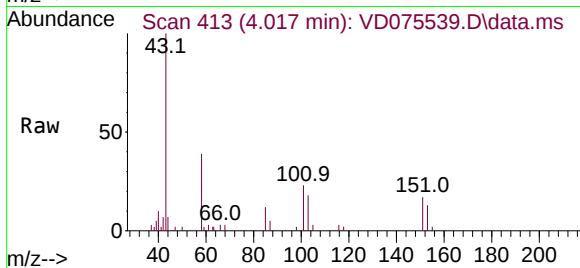
VSTD025115

Tgt Ion: 43 Resp: 28220

Ion Ratio Lower Upper

43 100

58 40.4 0.0 75.4



#14

Carbon disulfide

Concen: 14.677 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075539.D

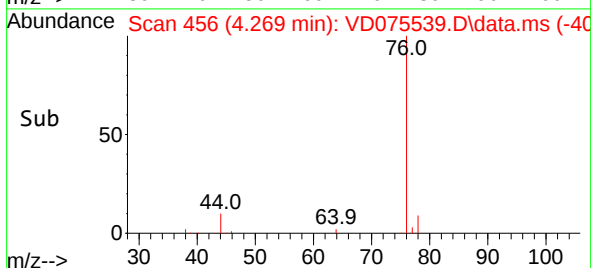
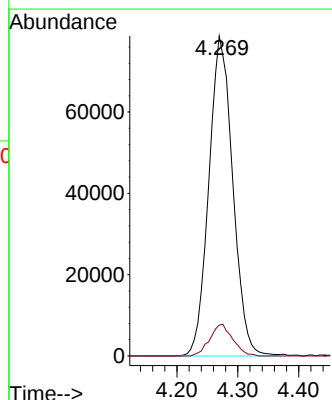
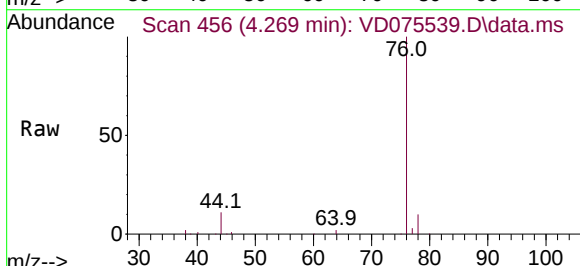
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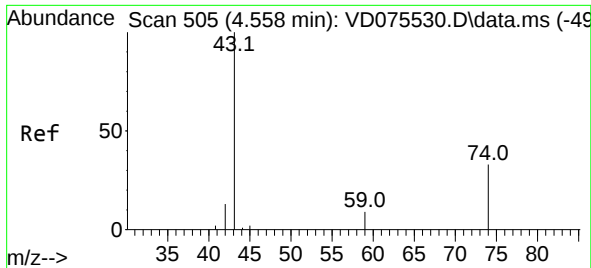
Tgt Ion: 76 Resp: 214969

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2

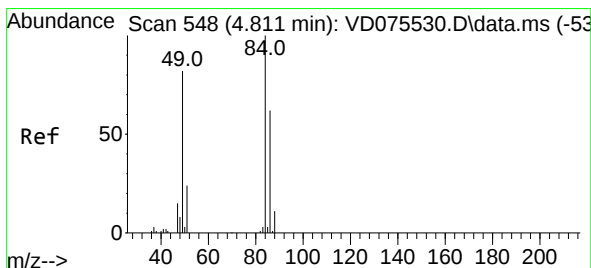
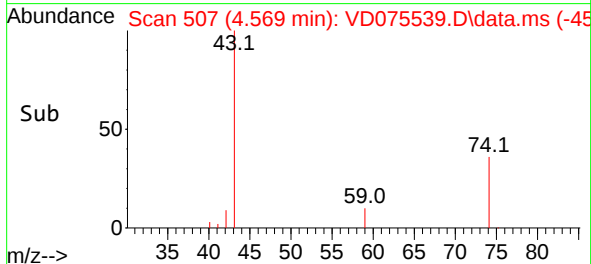
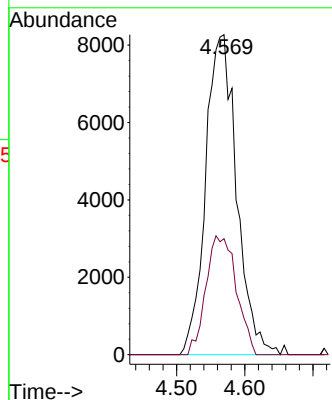
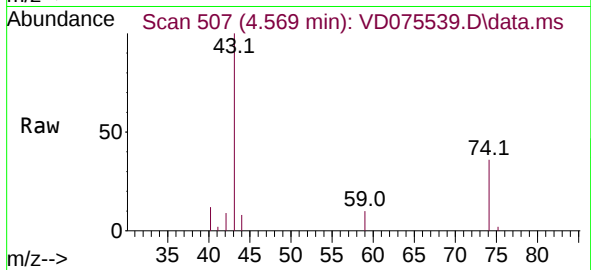




#15
Methyl Acetate
Concen: 16.764 ug/L
RT: 4.569 min Scan# 507
Delta R.T. 0.012 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

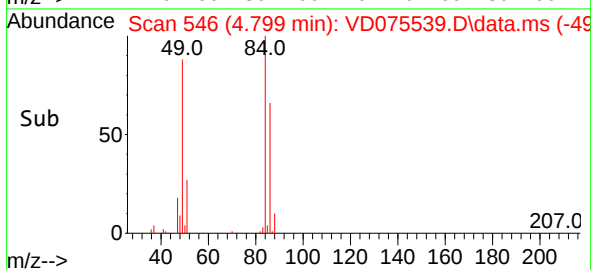
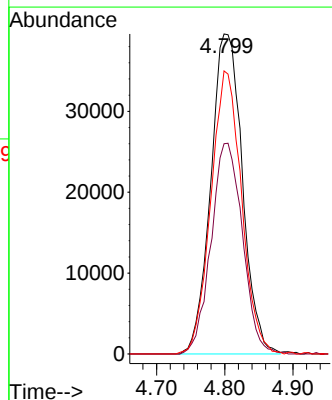
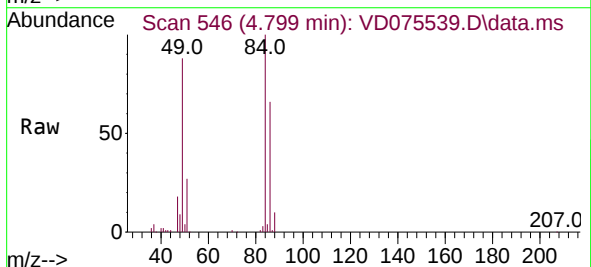
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

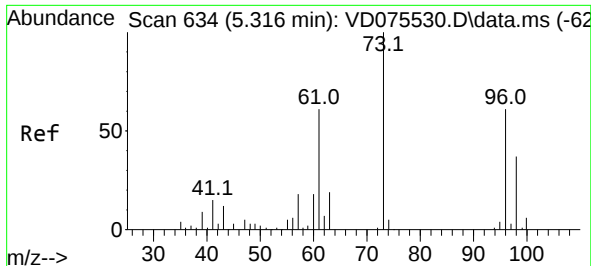
Tgt Ion: 43 Resp: 26142
Ion Ratio Lower Upper
43 100
74 36.3 25.7 38.5



#16
Methylene chloride
Concen: 17.079 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion: 84 Resp: 127518
Ion Ratio Lower Upper
84 100
86 65.7 44.2 82.2
49 88.5 63.6 118.2

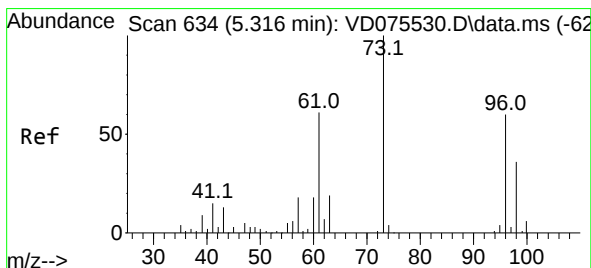
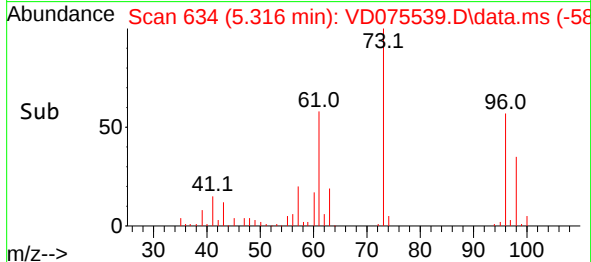
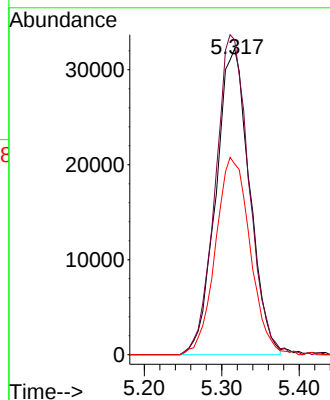
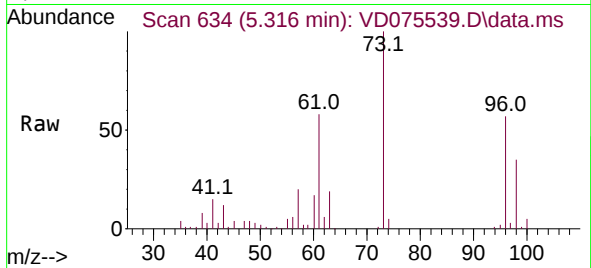




#17
trans-1,2-Dichloroethene
Concen: 17.318 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

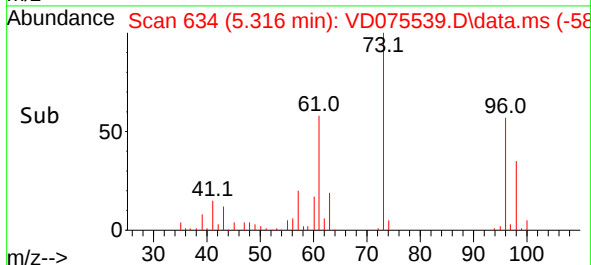
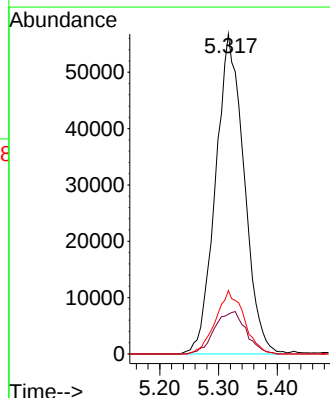
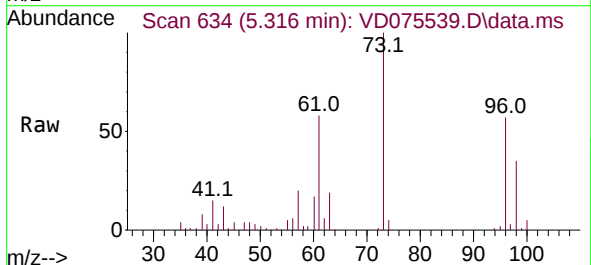
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

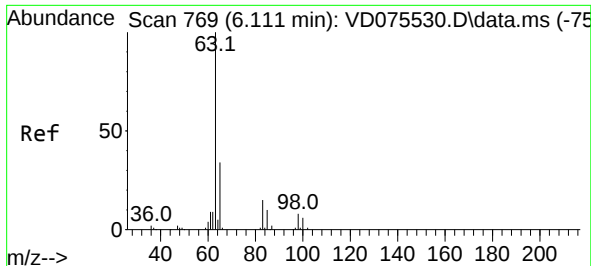
Tgt Ion: 96 Resp: 97238
Ion Ratio Lower Upper
96 100
61 102.9 77.8 144.6
98 62.4 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 18.341 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion: 73 Resp: 191389
Ion Ratio Lower Upper
73 100
43 14.7 12.1 18.1
57 19.7 17.0 25.4





#19

1,1-Dichloroethane

Concen: 17.428 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

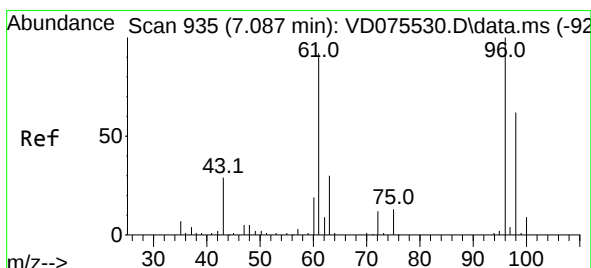
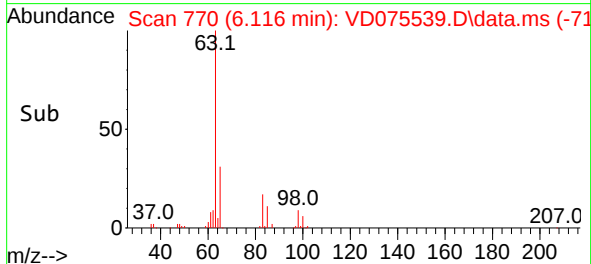
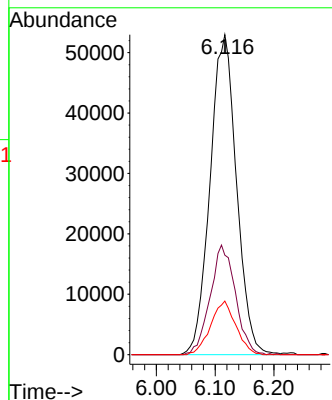
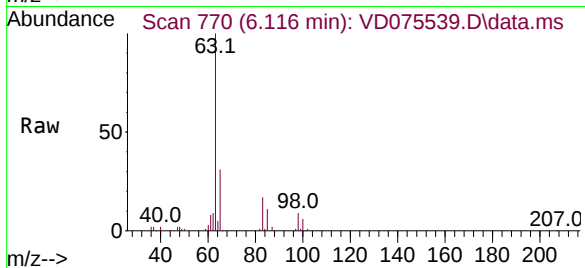
Tgt Ion: 63 Resp: 165543

Ion Ratio Lower Upper

63 100

65 31.1 21.1 39.3

83 16.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 18.427 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

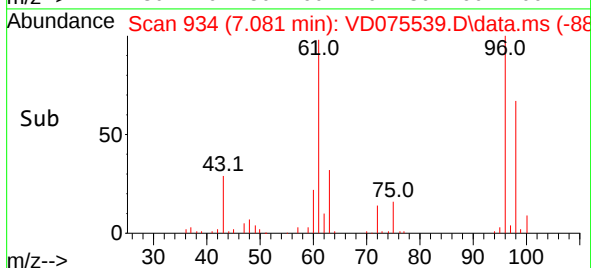
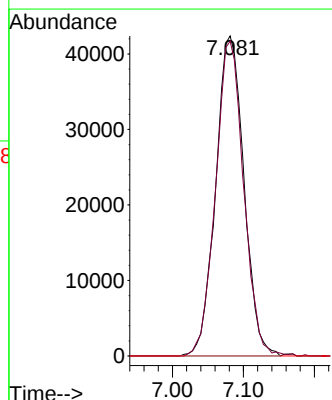
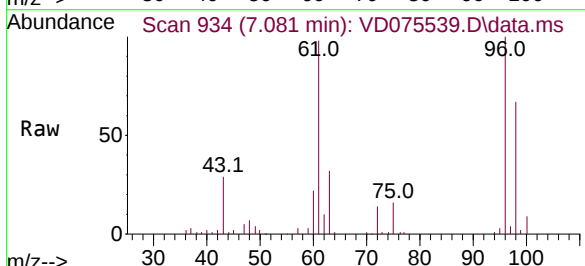
Tgt Ion: 96 Resp: 116881

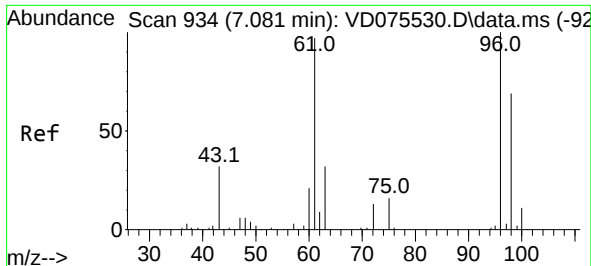
Ion Ratio Lower Upper

96 100

61 98.4 73.9 137.3

68 0.0 0.0 0.0

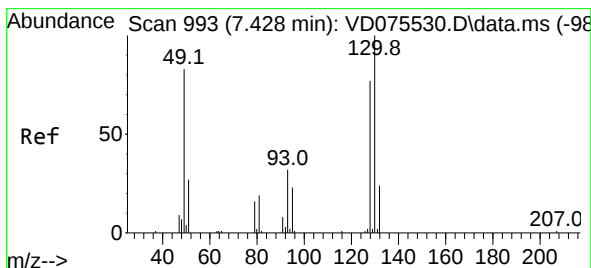
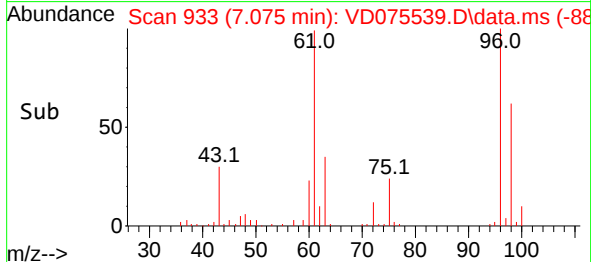
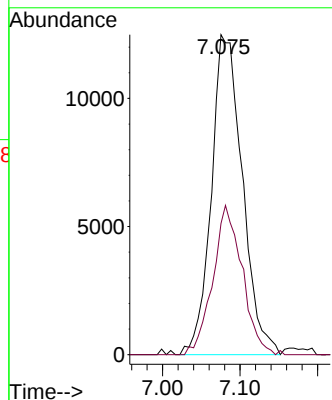
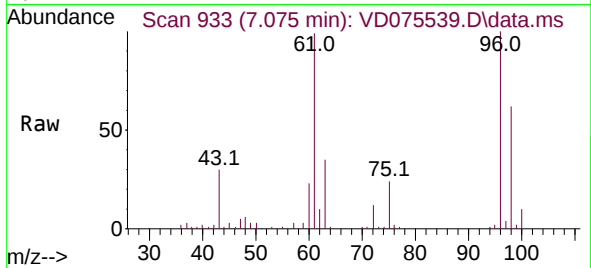




#22
2-Butanone
Concen: 29.769 ug/L
RT: 7.075 min Scan# 911
Delta R.T. -0.006 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

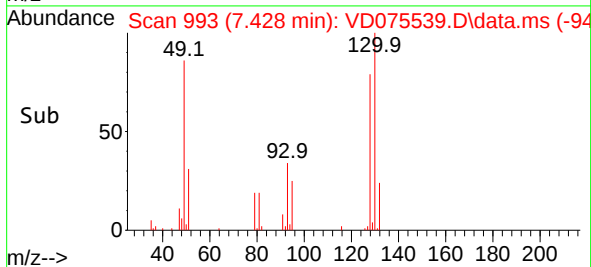
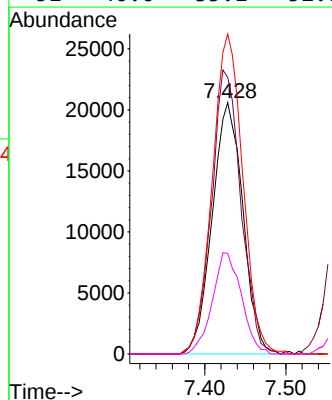
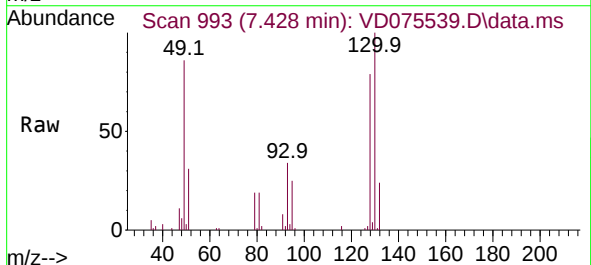
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

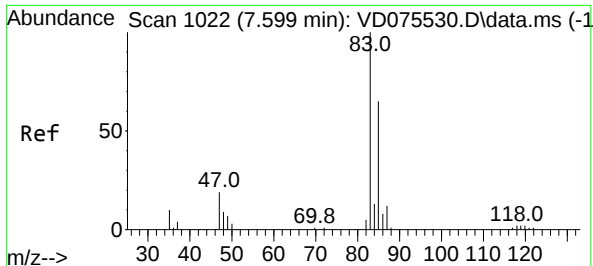
Tgt Ion: 43 Resp: 34712
Ion Ratio Lower Upper
43 100
72 44.0 18.3 54.9



#23
Bromochloromethane
Concen: 19.872 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:128 Resp: 54000
Ion Ratio Lower Upper
128 100
49 110.1 84.2 156.4
130 127.3 82.5 153.1
51 40.0 35.1 52.7





#25

Chloroform

Concen: 19.109 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

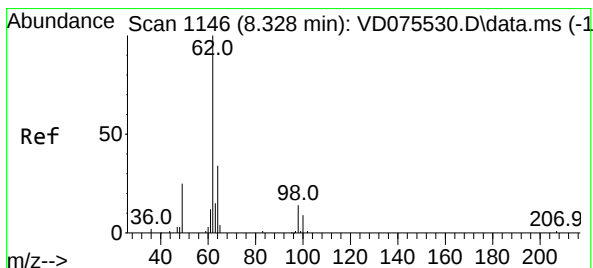
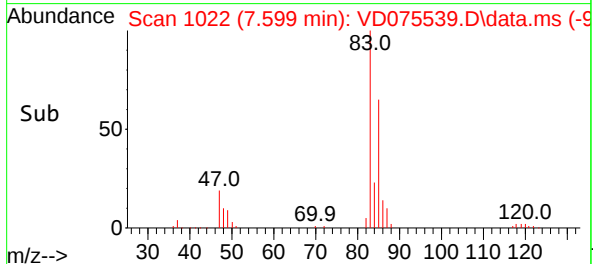
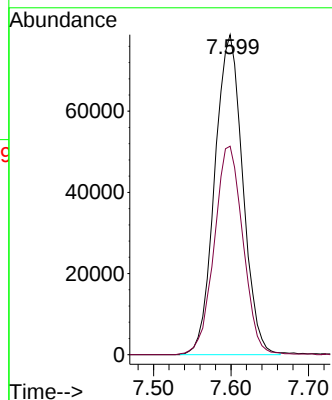
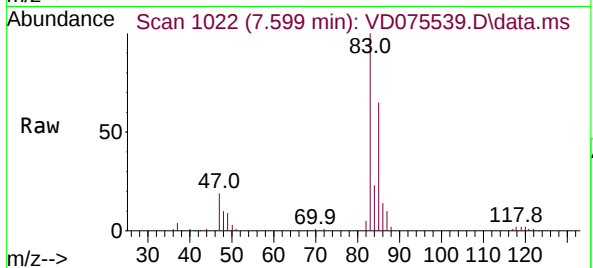
VSTD025115

Tgt Ion: 83 Resp: 197912

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 17.962 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075539.D

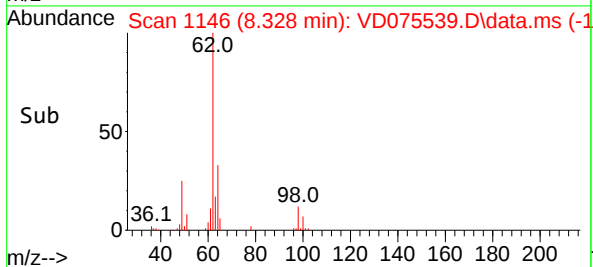
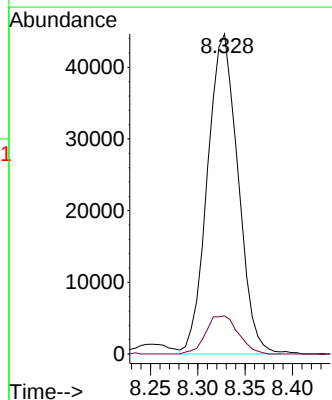
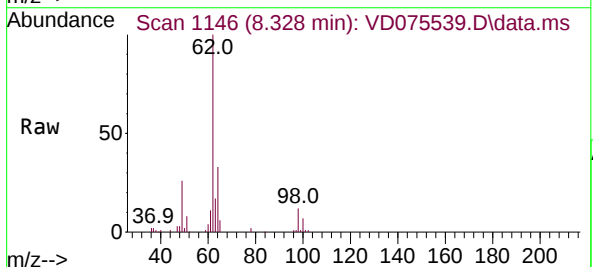
Acq: 29 Mar 2023 18:29

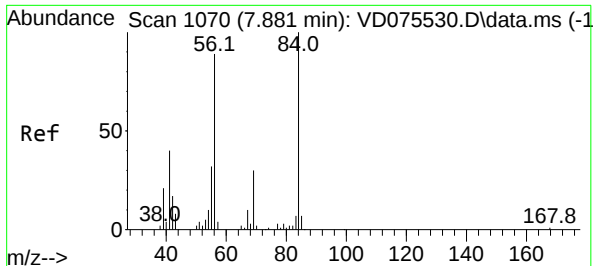
Tgt Ion: 62 Resp: 100321

Ion Ratio Lower Upper

62 100

98 11.9 8.8 13.2





#29

Cyclohexane

Concen: 15.443 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

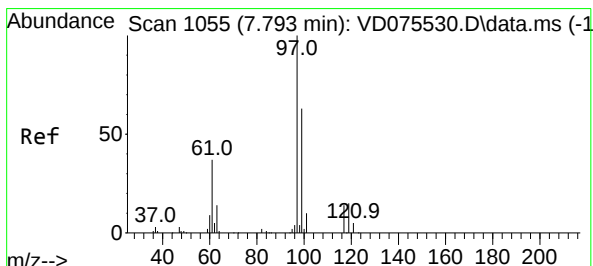
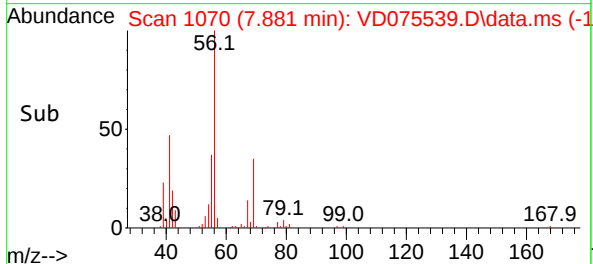
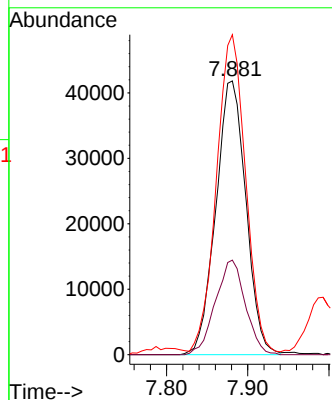
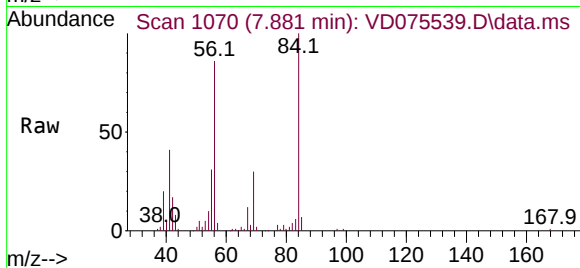
Tgt Ion: 56 Resp: 107679

Ion Ratio Lower Upper

56 100

69 34.4 27.0 40.6

84 114.1 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 18.695 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

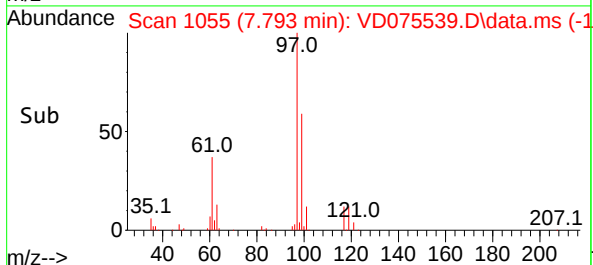
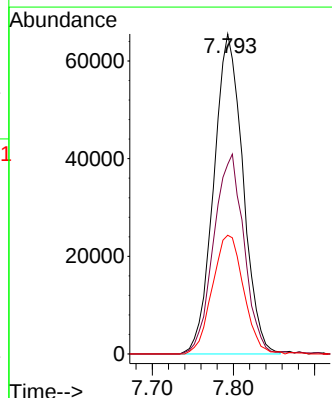
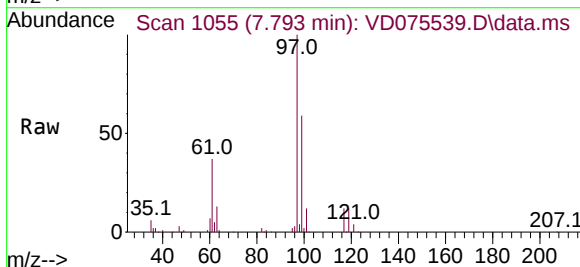
Tgt Ion: 97 Resp: 163814

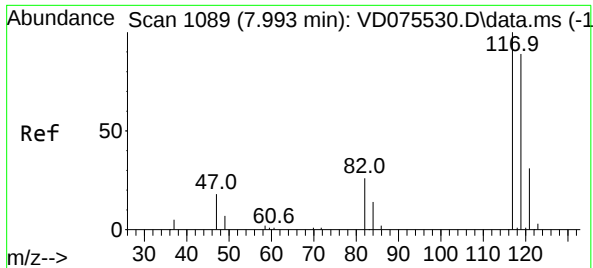
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 39.6 34.0 51.0

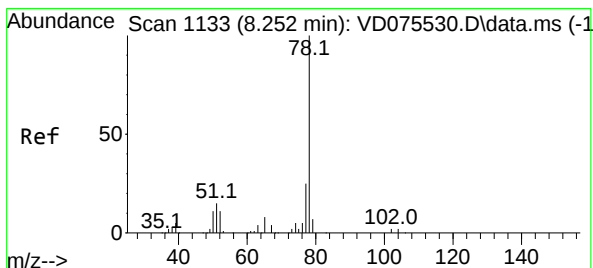
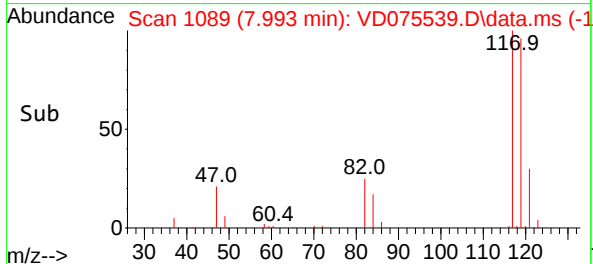
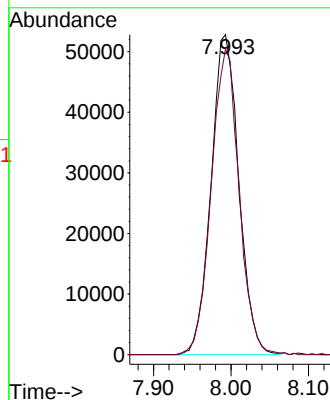
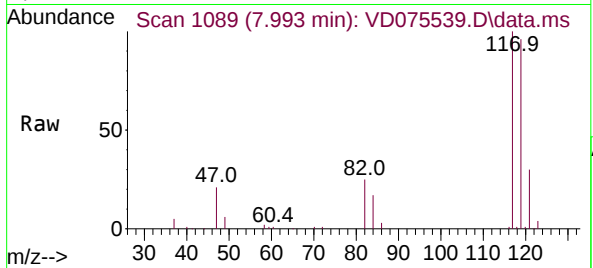




#31
Carbon tetrachloride
Concen: 18.846 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

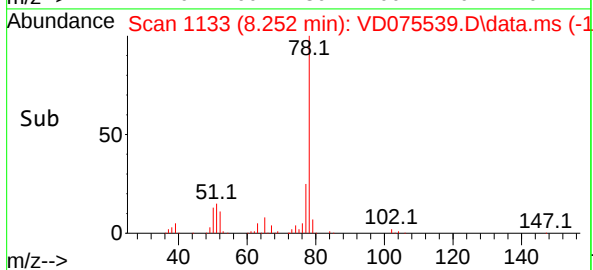
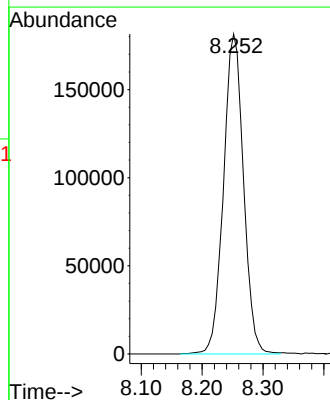
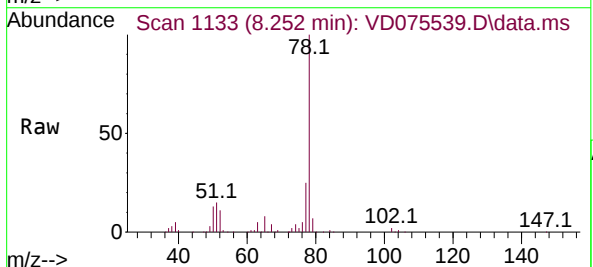
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

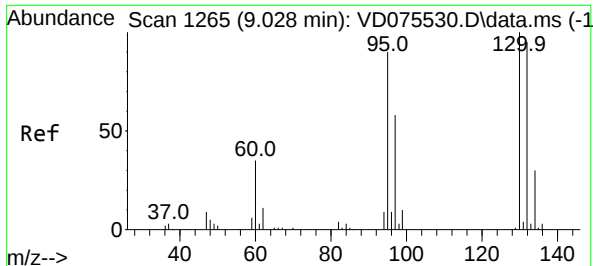
Tgt Ion:117 Resp: 131163
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2



#33
Benzene
Concen: 17.692 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion: 78 Resp: 414336



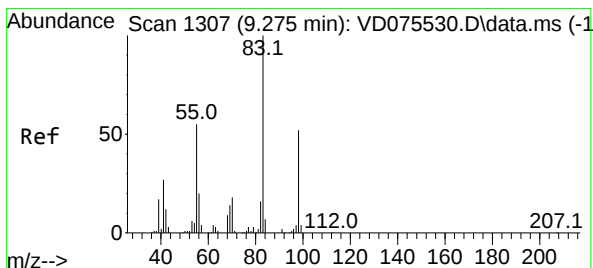
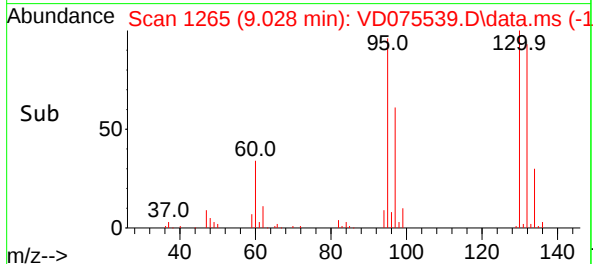
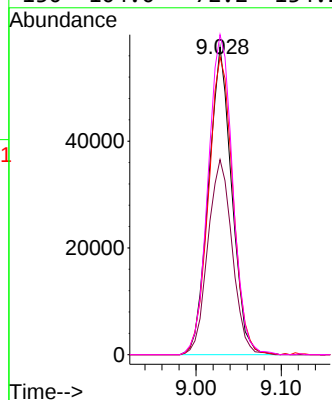
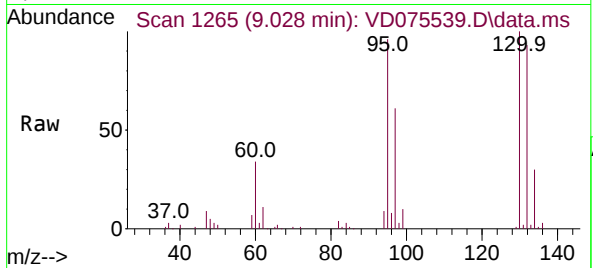


#34
Trichloroethene
Concen: 17.851 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

Tgt Ion: 95 Resp: 109180

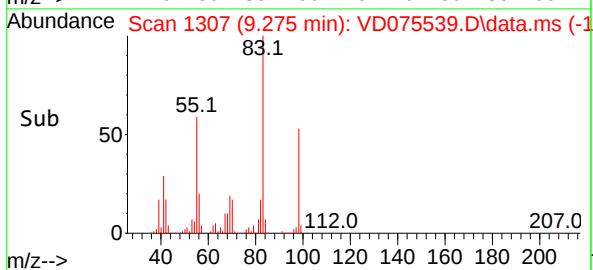
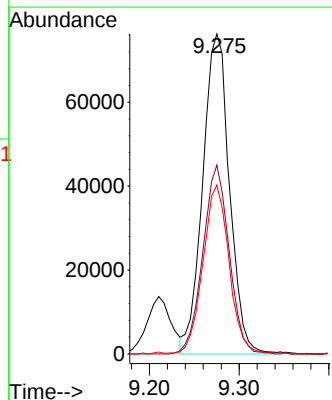
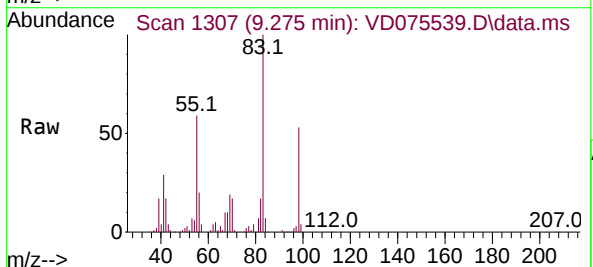
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.7	83.1
132	96.8	70.0	130.0
130	104.0	72.2	134.2

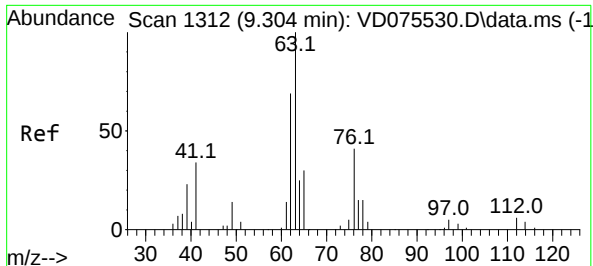


#35
Methylcyclohexane
Concen: 16.556 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion: 83 Resp: 158083

Ion	Ratio	Lower	Upper
83	100		
55	57.6	49.3	73.9
98	51.6	39.8	59.6





#37

1,2-Dichloropropane

Concen: 17.521 ug/L

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

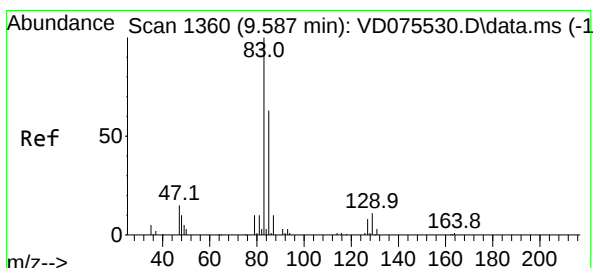
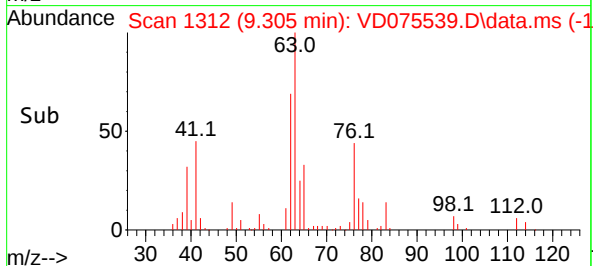
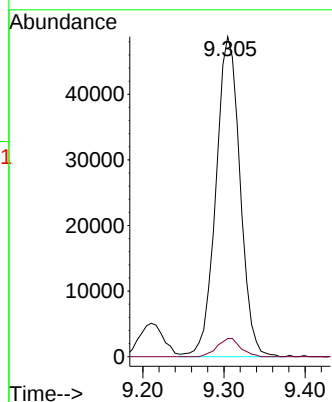
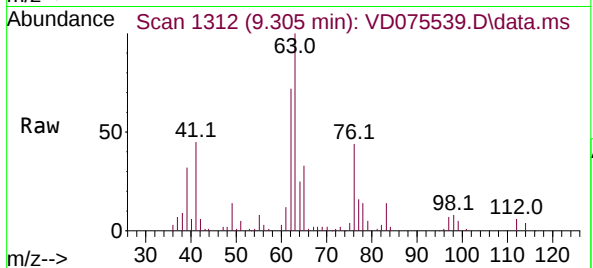
VSTD025115

Tgt Ion: 63 Resp: 100835

Ion Ratio Lower Upper

63 100

112 5.5 3.8 5.6



#38

Bromodichloromethane

Concen: 19.062 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

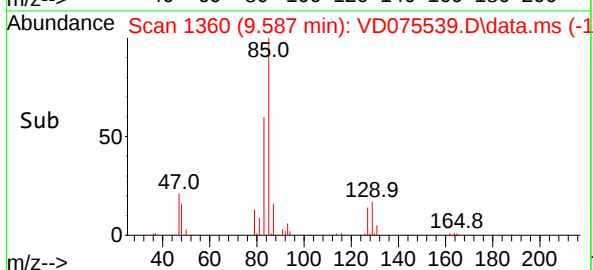
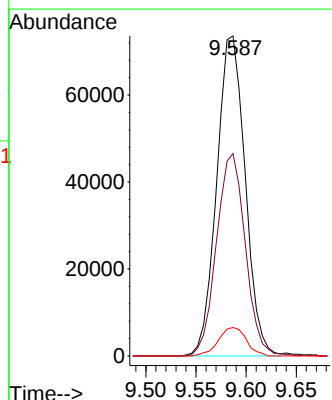
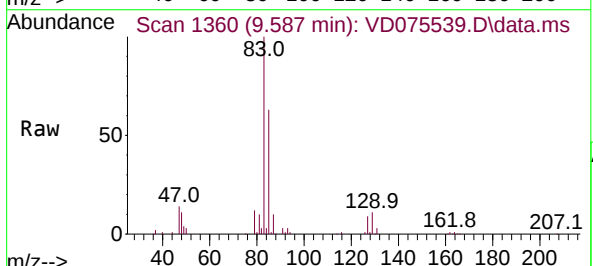
Tgt Ion: 83 Resp: 145116

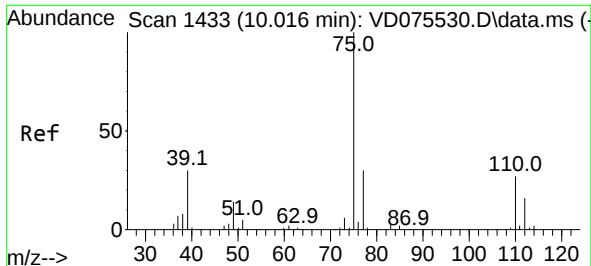
Ion Ratio Lower Upper

83 100

85 63.3 44.6 82.8

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 17.796 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

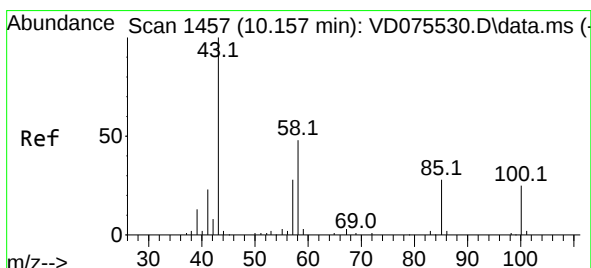
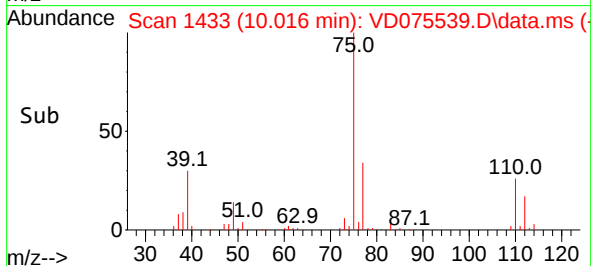
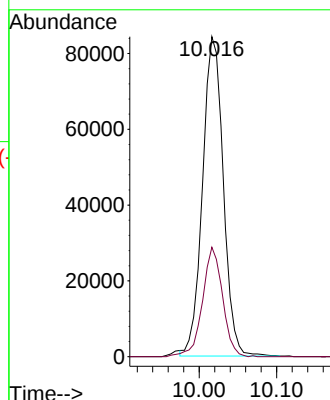
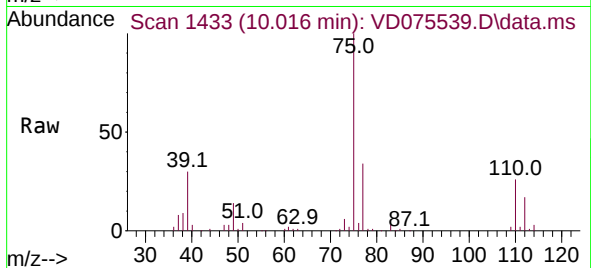
VSTD025115

Tgt Ion: 75 Resp: 156738

Ion Ratio Lower Upper

75 100

77 34.2 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 33.823 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

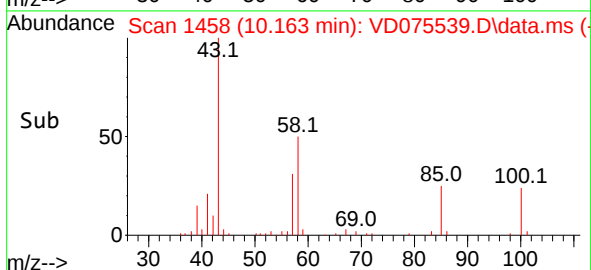
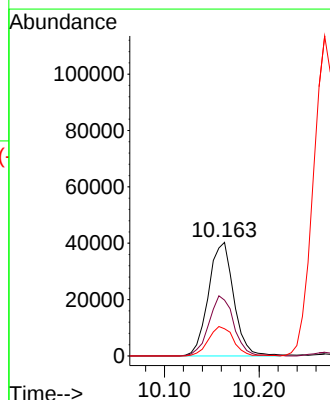
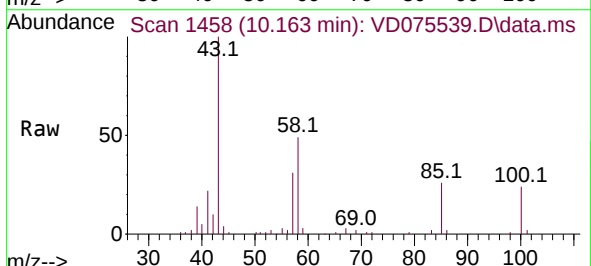
Tgt Ion: 43 Resp: 74647

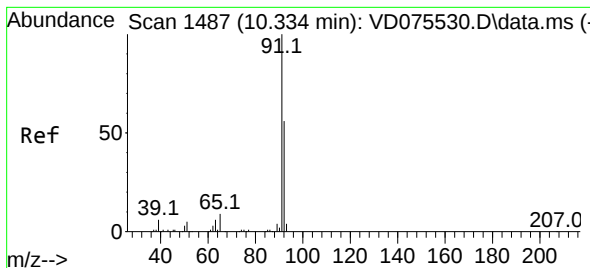
Ion Ratio Lower Upper

43 100

58 51.6 39.0 58.6

100 25.3 18.7 28.1





#42

Toluene

Concen: 18.661 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

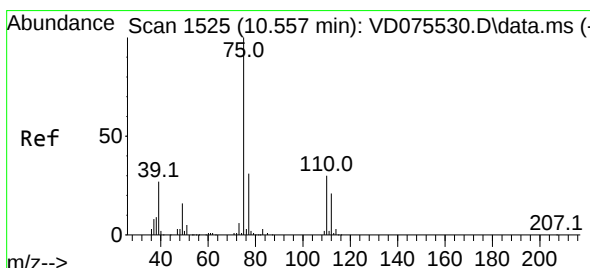
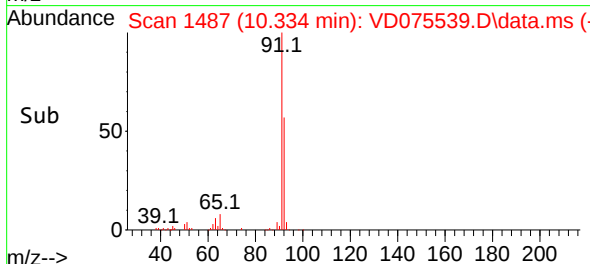
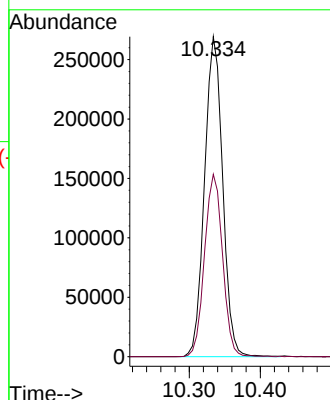
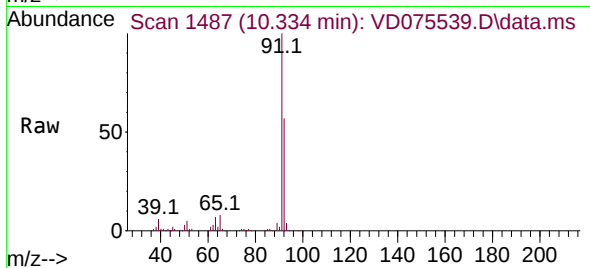
VSTD025115

Tgt Ion: 91 Resp: 478457

Ion Ratio Lower Upper

91 100

92 57.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 18.389 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD075539.D

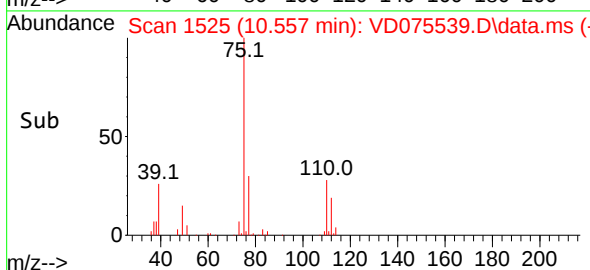
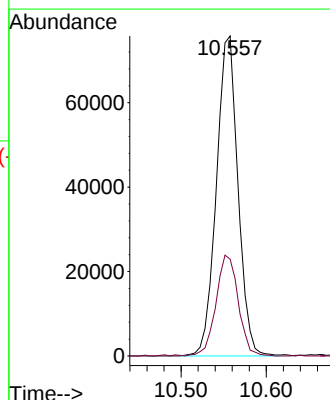
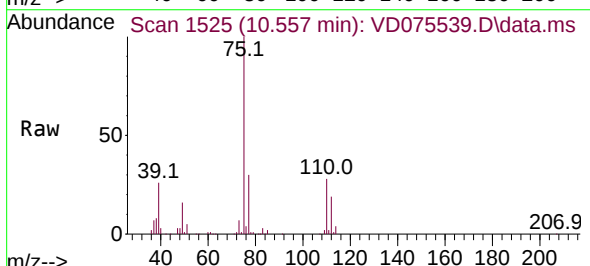
Acq: 29 Mar 2023 18:29

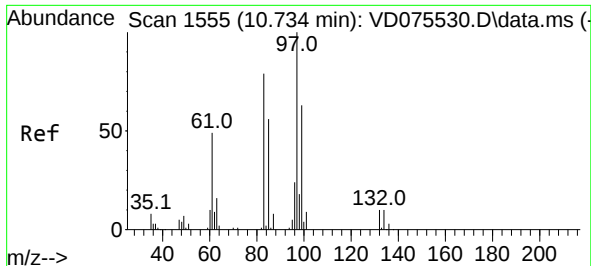
Tgt Ion: 75 Resp: 133435

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 20.065 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

Tgt Ion: 97 Resp: 92227

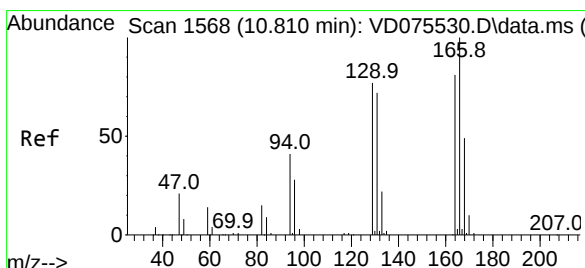
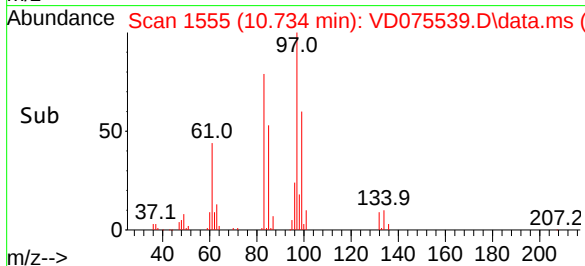
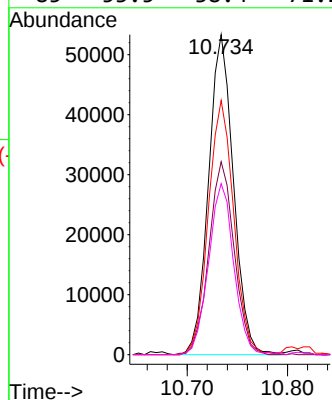
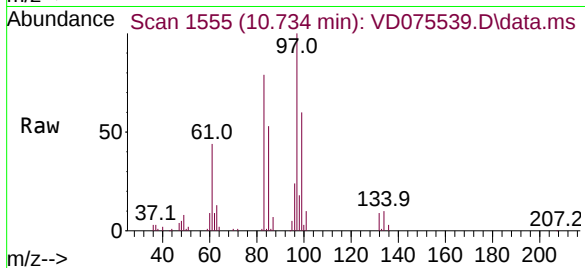
Ion Ratio Lower Upper

97 100

99 60.3 40.9 76.0

83 79.5 57.7 107.1

85 53.5 38.4 71.2



#46

Tetrachloroethene

Concen: 18.486 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Tgt Ion:164 Resp: 86636

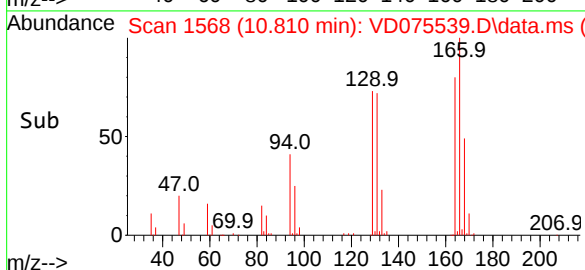
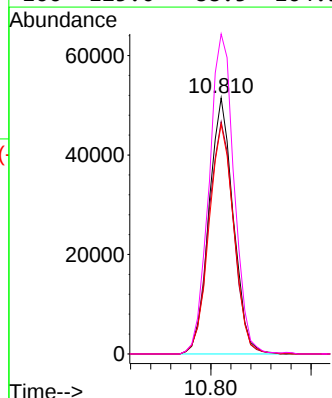
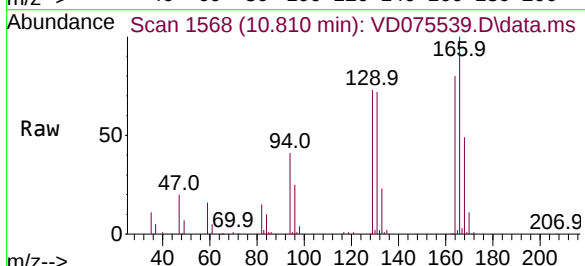
Ion Ratio Lower Upper

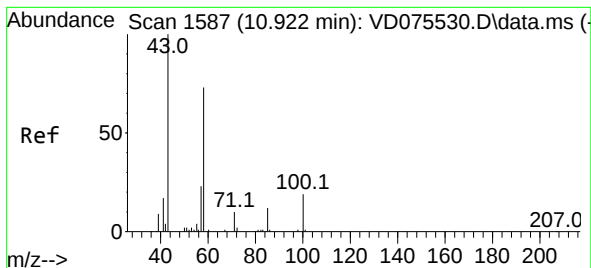
164 100

129 90.7 65.4 121.4

131 89.8 64.1 119.1

166 125.0 88.5 164.3





#48

2-Hexanone

Concen: 33.301 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

Tgt Ion: 43 Resp: 54074

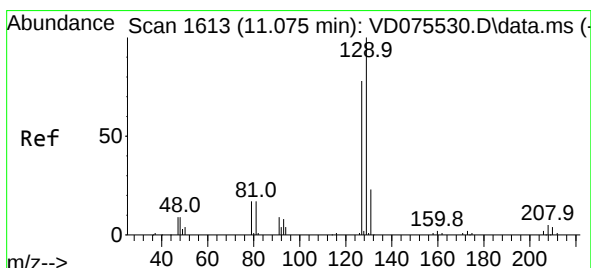
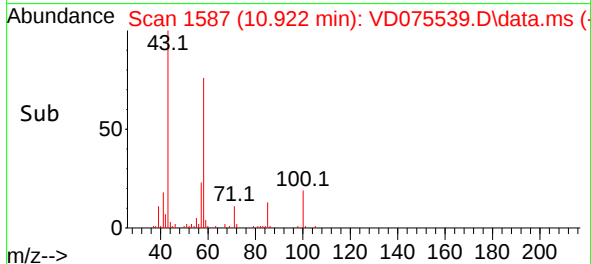
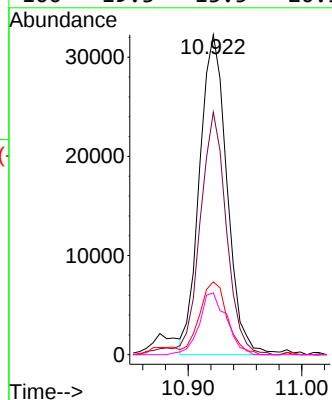
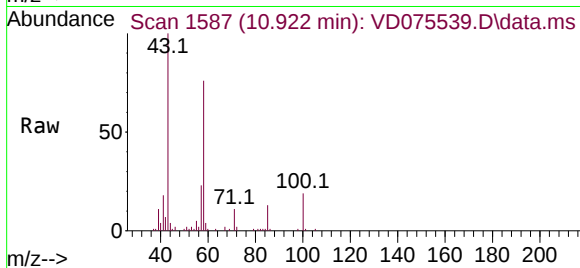
Ion Ratio Lower Upper

43 100

58 71.9 53.1 79.7

57 23.0 16.7 25.1

100 19.3 13.5 20.3



#49

Dibromochloromethane

Concen: 20.180 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075539.D

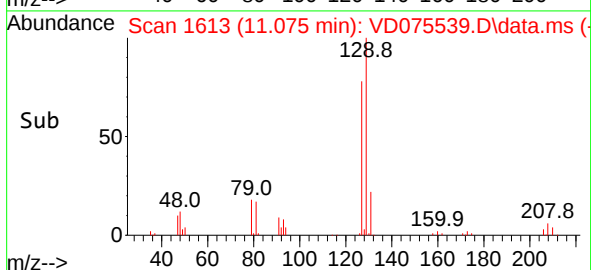
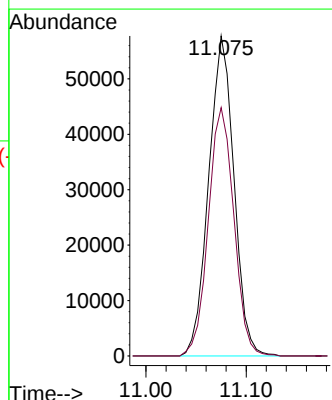
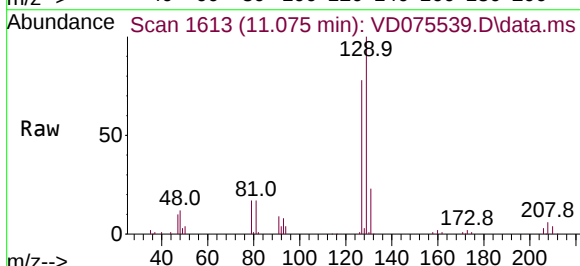
Acq: 29 Mar 2023 18:29

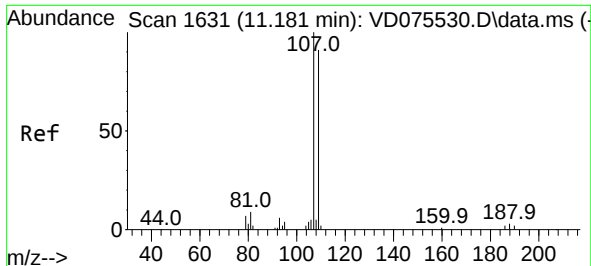
Tgt Ion: 129 Resp: 101325

Ion Ratio Lower Upper

129 100

127 77.6 53.7 99.7

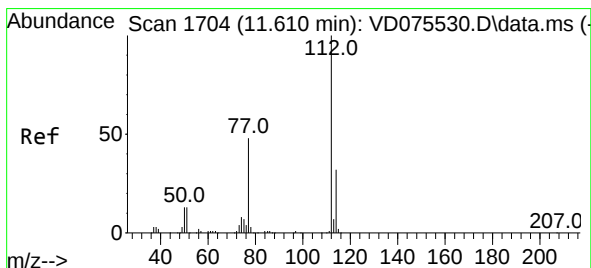
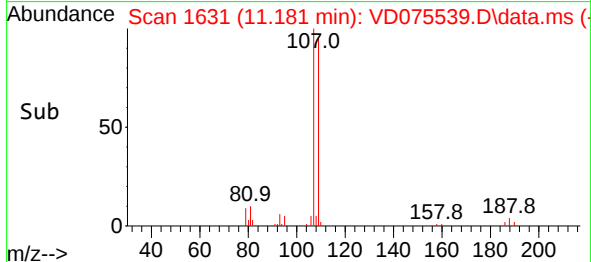
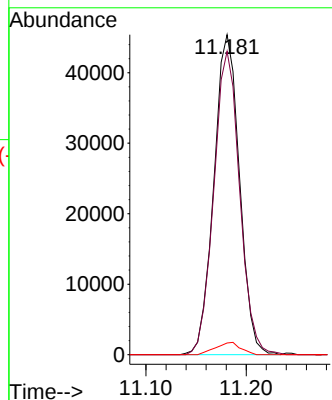
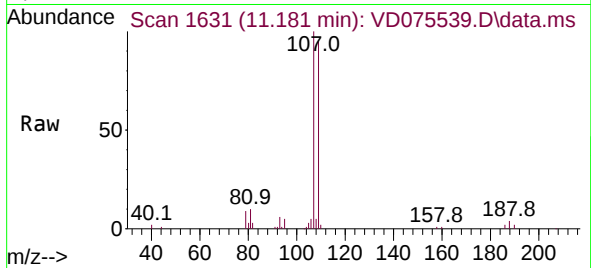




#50
1,2-Dibromoethane
Concen: 19.331 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

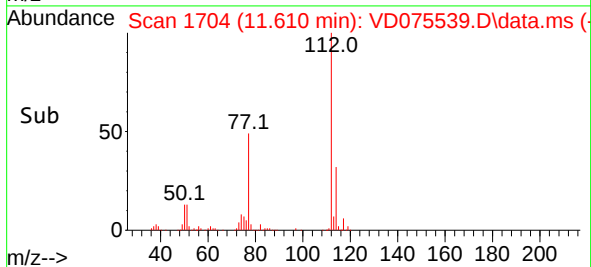
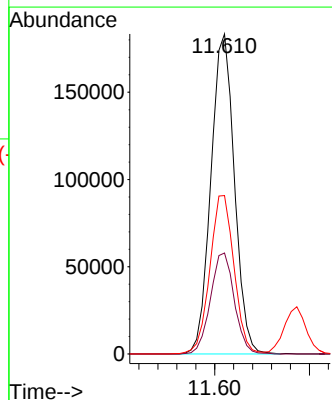
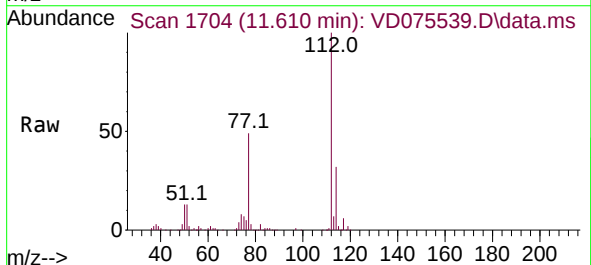
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

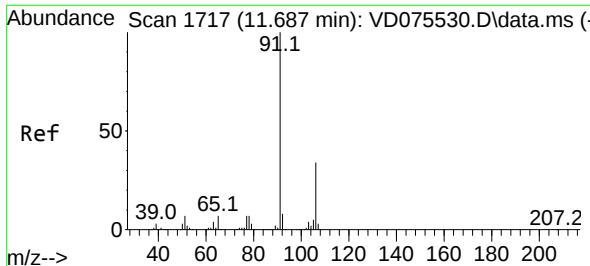
Tgt Ion:107 Resp: 80318
Ion Ratio Lower Upper
107 100
109 94.8 64.2 119.2
188 3.6 2.3 3.5#



#51
Chlorobenzene
Concen: 18.940 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:112 Resp: 315631
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 49.5 40.2 60.2

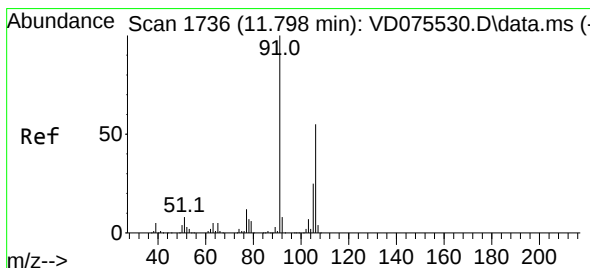
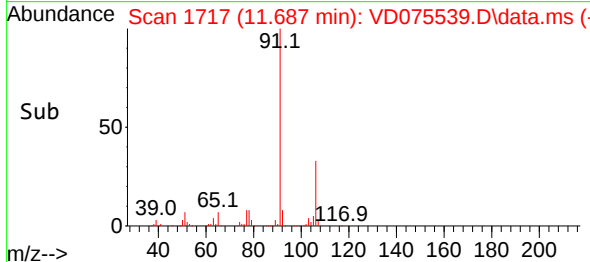
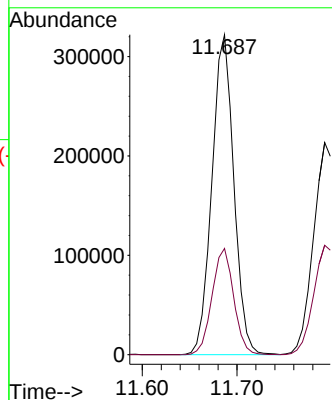
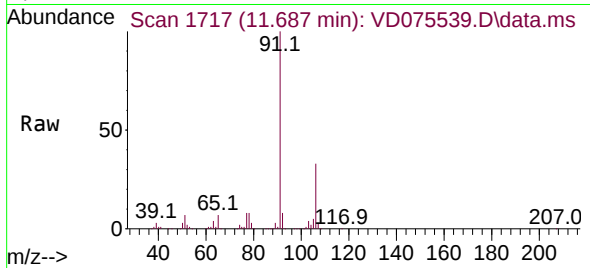




#52
Ethylbenzene
Concen: 18.972 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

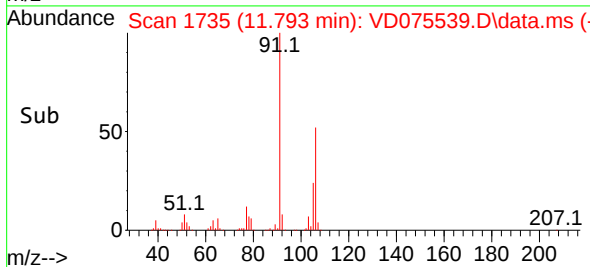
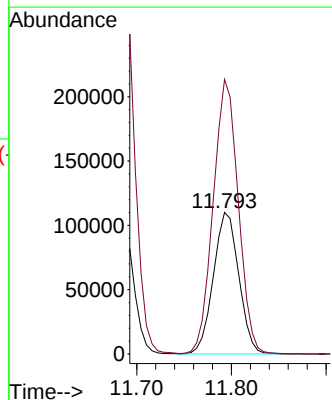
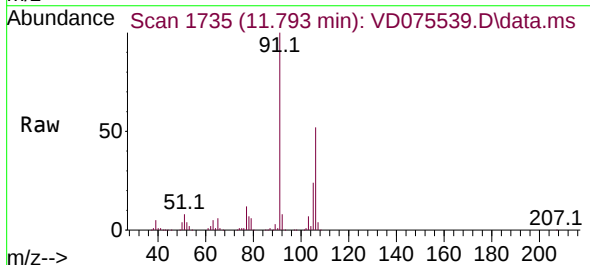
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

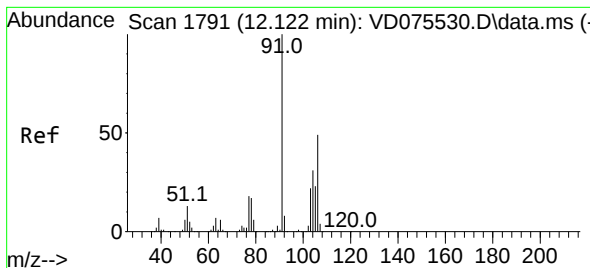
Tgt Ion: 91 Resp: 517299
Ion Ratio Lower Upper
91 100
106 33.2 23.1 42.9



#53
m,p-Xylene
Concen: 19.088 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:106 Resp: 205051
Ion Ratio Lower Upper
106 100
91 193.9 134.1 249.1





#54

o-Xylene

Concen: 19.792 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

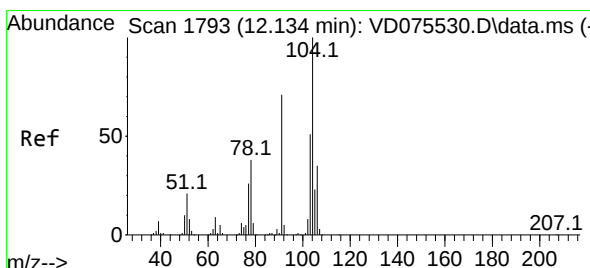
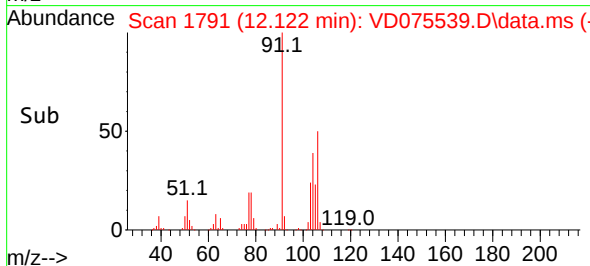
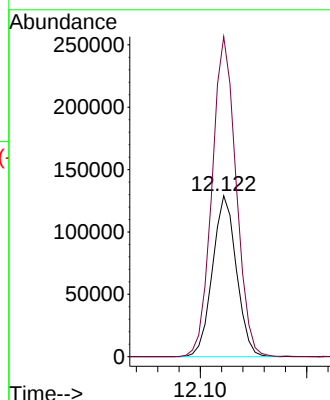
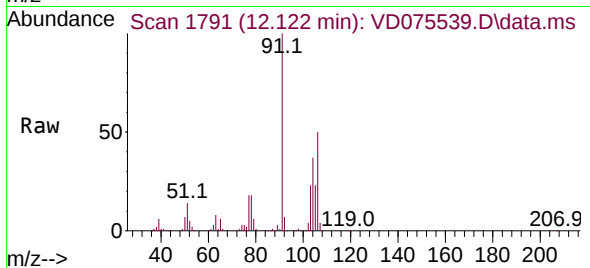
VSTD025115

Tgt Ion:106 Resp: 201132

Ion Ratio Lower Upper

106 100

91 198.8 142.3 264.3



#55

Styrene

Concen: 20.207 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD075539.D

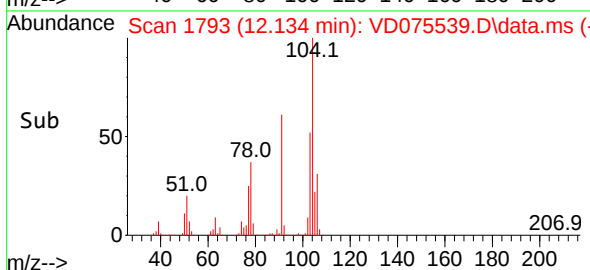
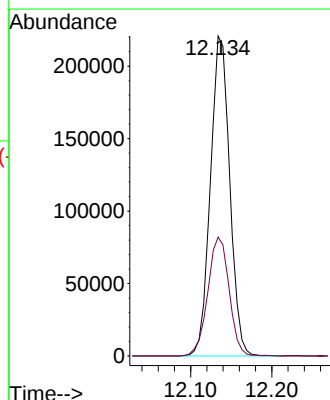
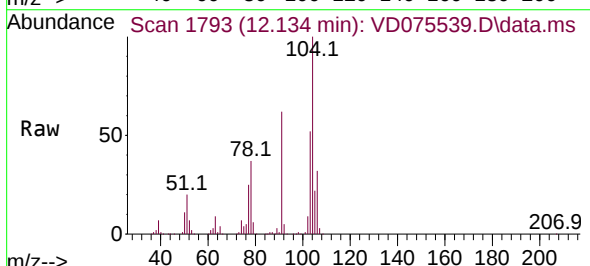
Acq: 29 Mar 2023 18:29

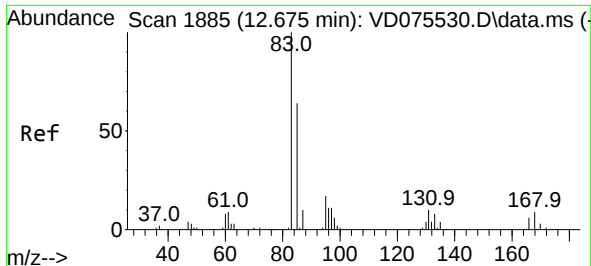
Tgt Ion:104 Resp: 364706

Ion Ratio Lower Upper

104 100

78 37.1 26.0 48.2





#57

1,1,2,2-Tetrachloroethane

Concen: 20.093 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

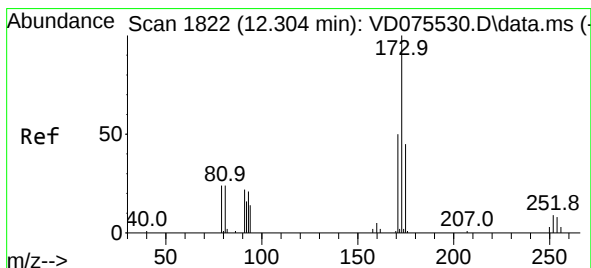
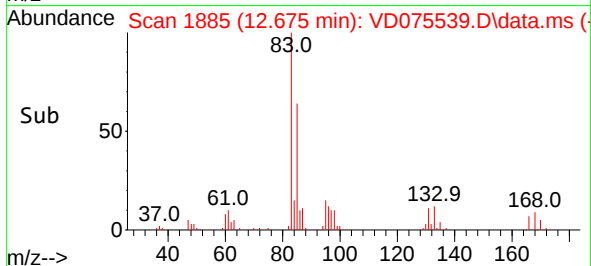
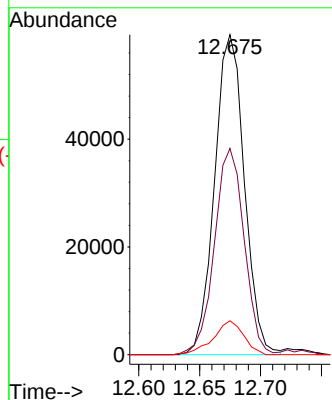
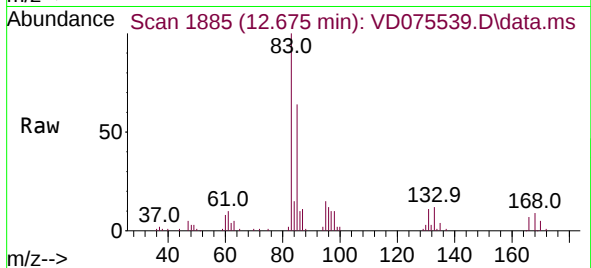
Tgt Ion: 83 Resp: 101083

Ion Ratio Lower Upper

83 100

85 64.4 46.3 85.9

131 10.6 8.1 12.1



#59

Bromoform

Concen: 20.297 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

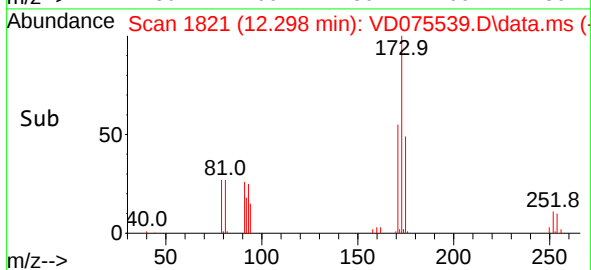
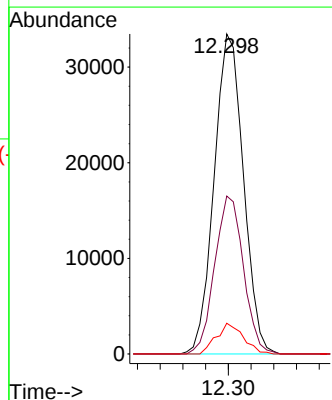
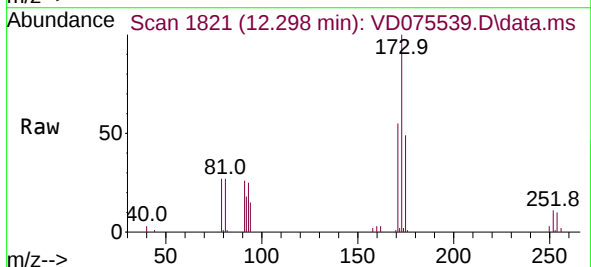
Tgt Ion: 173 Resp: 59867

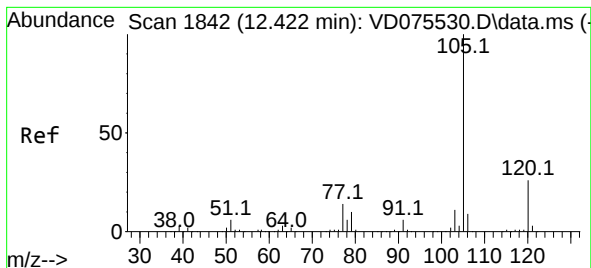
Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

254 8.8 7.3 10.9





#60

Isopropylbenzene

Concen: 19.797 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

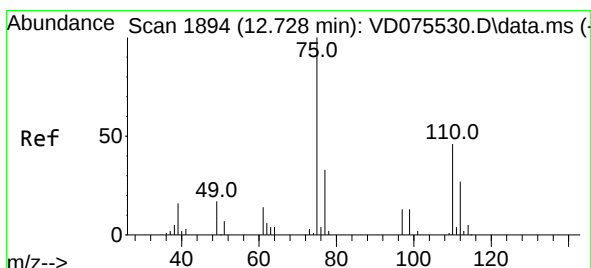
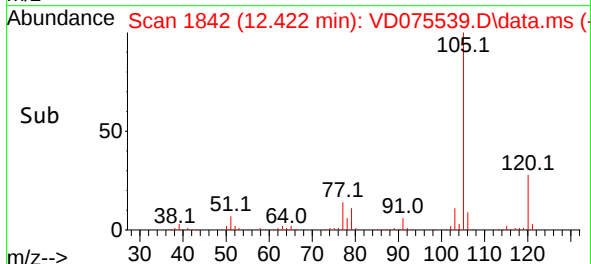
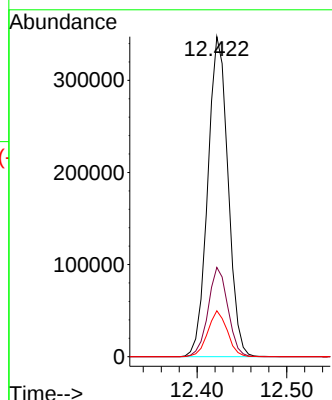
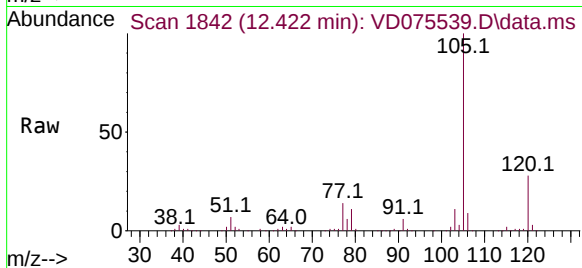
Tgt Ion:105 Resp: 544253

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 13.8 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 18.457 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

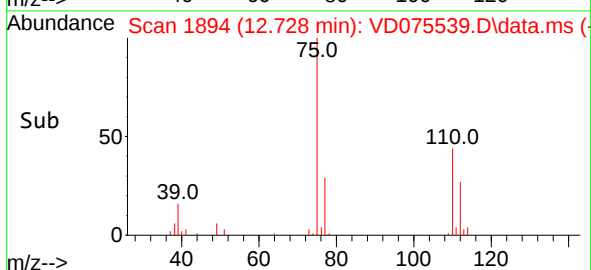
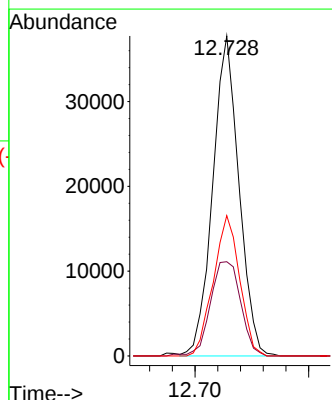
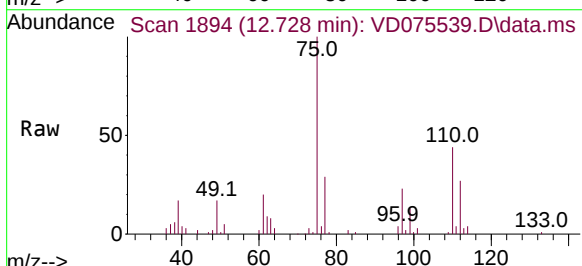
Tgt Ion: 75 Resp: 60479

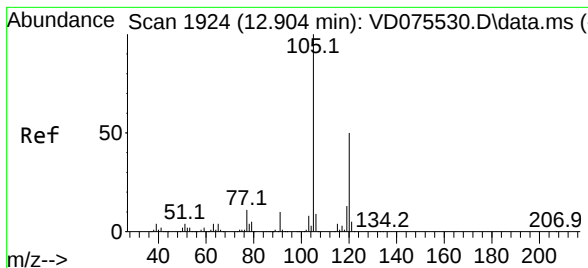
Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.4

110 43.9 33.2 49.8

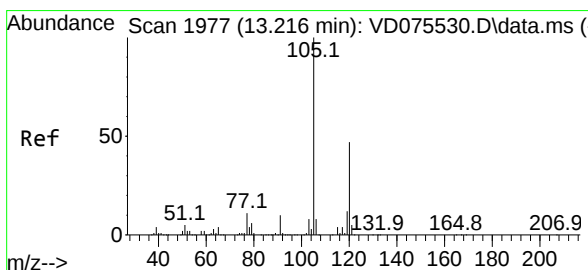
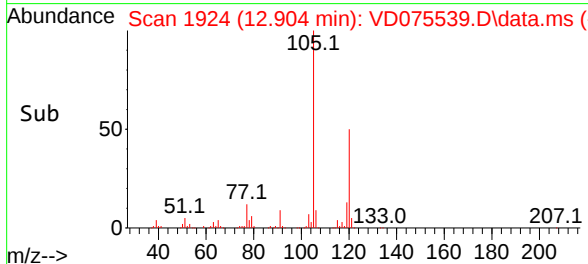
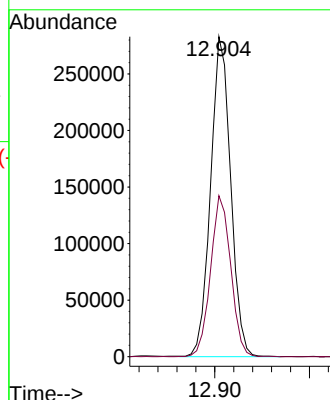
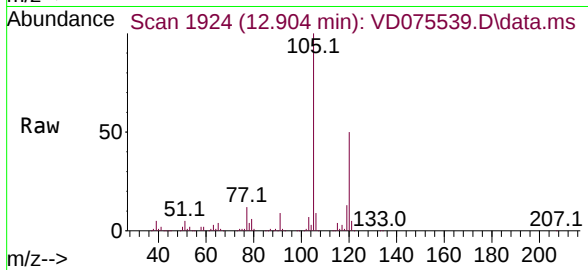




#62
1,3,5-Trimethylbenzene
Concen: 20.134 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

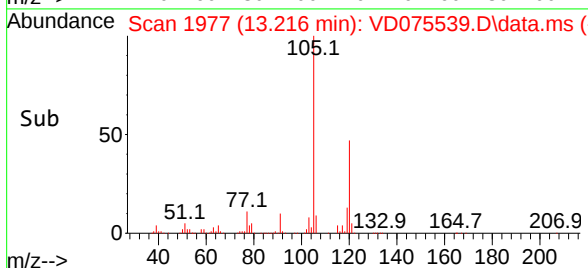
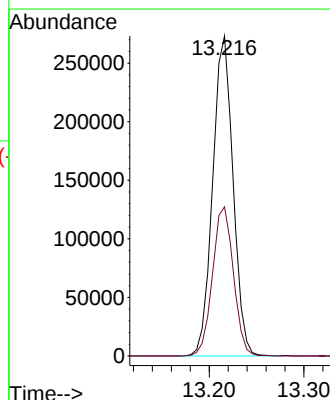
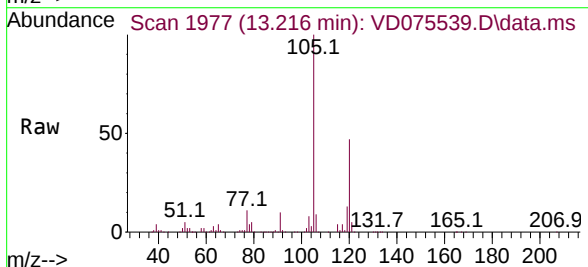
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

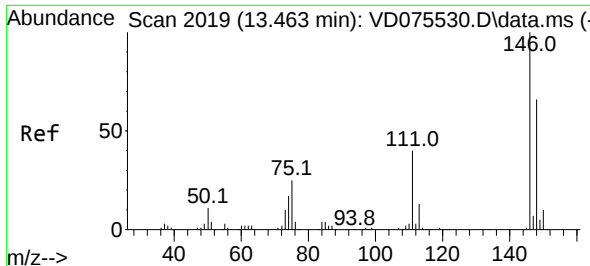
Tgt Ion:105 Resp: 415518
Ion Ratio Lower Upper
105 100
120 50.5 40.6 60.8



#63
1,2,4-Trimethylbenzene
Concen: 20.188 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:105 Resp: 407387
Ion Ratio Lower Upper
105 100
120 47.9 38.2 57.2





#64

1,3-Dichlorobenzene

Concen: 19.956 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

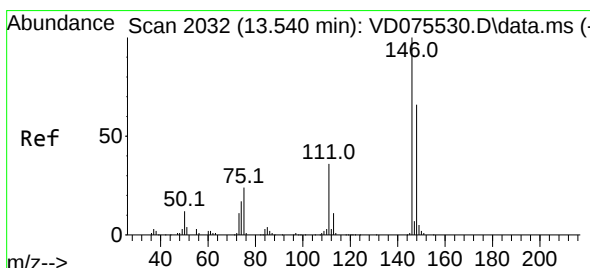
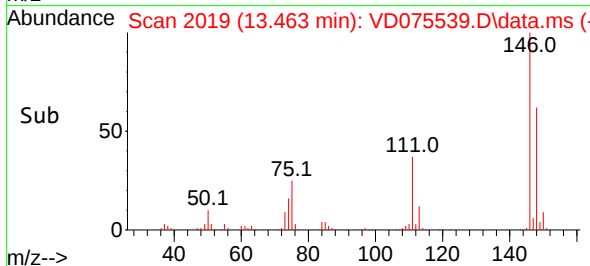
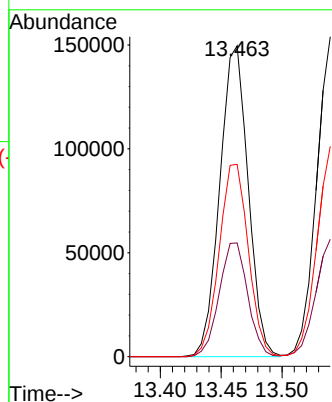
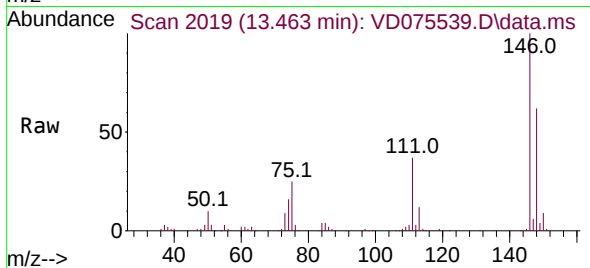
Tgt Ion:146 Resp: 242695

Ion Ratio Lower Upper

146 100

111 36.6 26.0 48.2

148 61.8 42.4 78.6



#65

1,4-Dichlorobenzene

Concen: 19.880 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

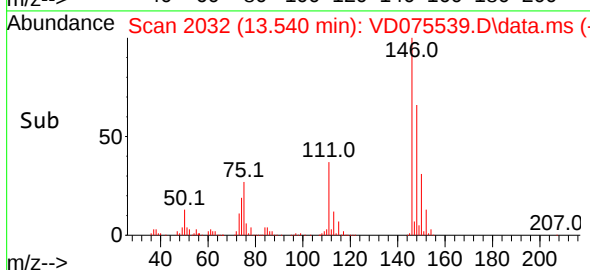
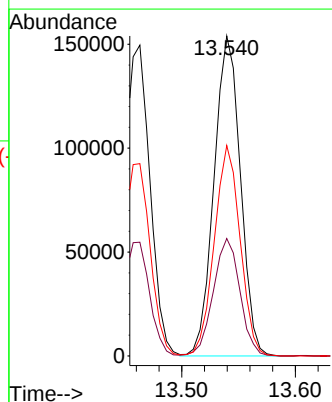
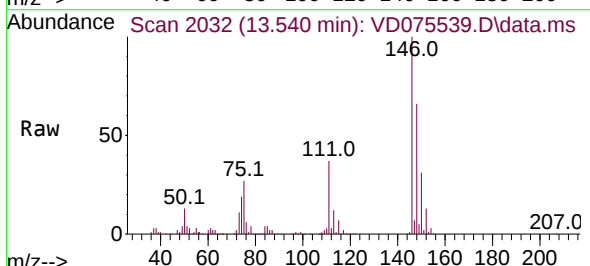
Tgt Ion:146 Resp: 248691

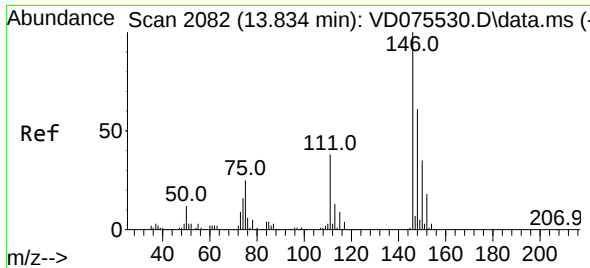
Ion Ratio Lower Upper

146 100

111 36.7 24.8 46.1

148 65.7 45.6 84.6

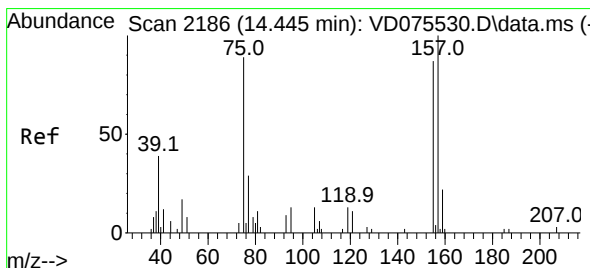
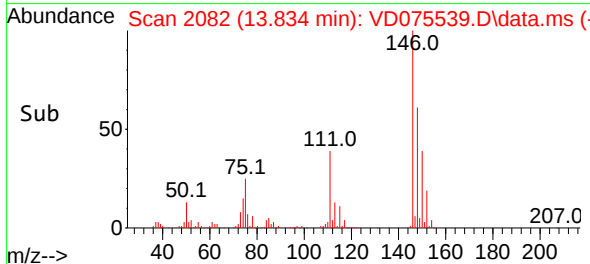
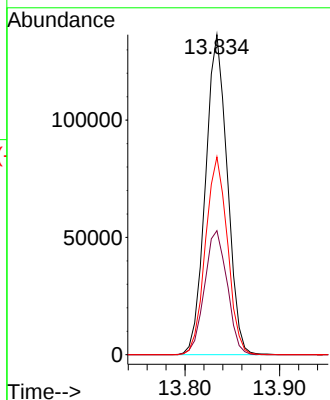
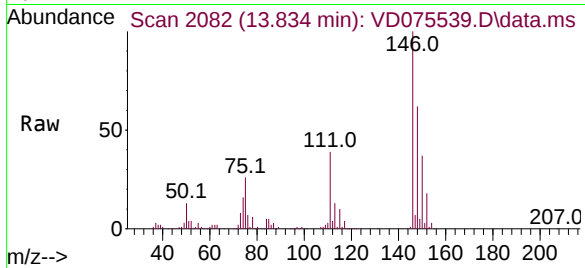




#67
1,2-Dichlorobenzene
Concen: 20.162 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

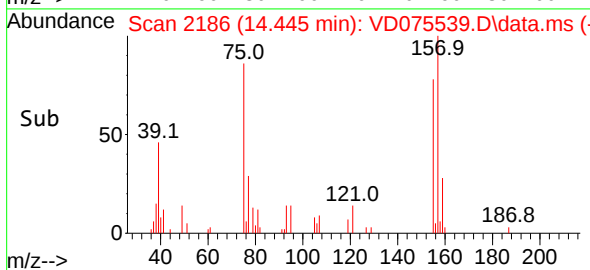
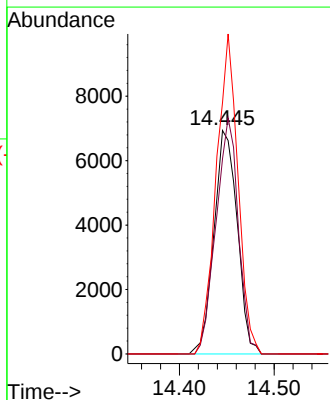
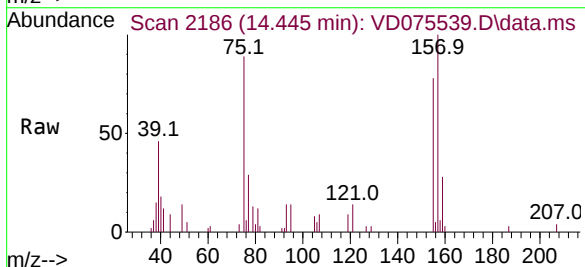
Instrument :
MSVOA_D
ClientSampleId :
VSTD025115

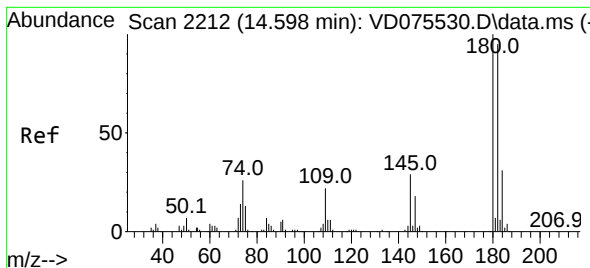
Tgt Ion:	146	Resp:	218479
Ion Ratio	Lower	Upper	
146	100		
111	38.8	31.0	46.6
148	61.8	50.4	75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 18.643 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD075539.D
Acq: 29 Mar 2023 18:29

Tgt Ion:	75	Resp:	11863
Ion Ratio	Lower	Upper	
75	100		
155	87.3	71.3	106.9
157	112.4	85.8	128.6





#69

1,3,5-Trichlorobenzene

Concen: 19.173 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

Tgt Ion:180 Resp: 146215

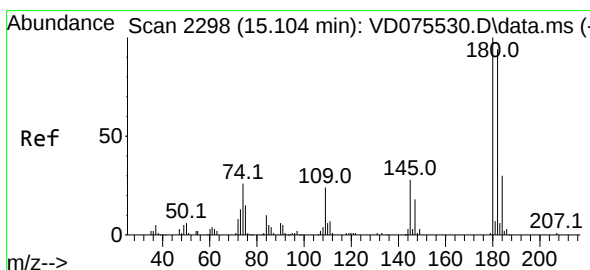
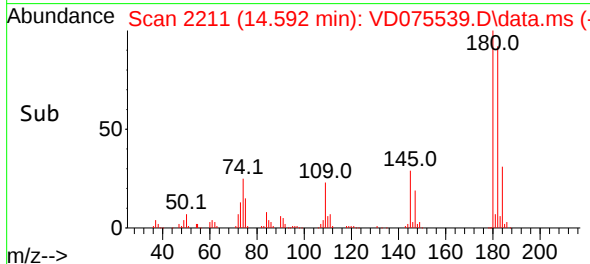
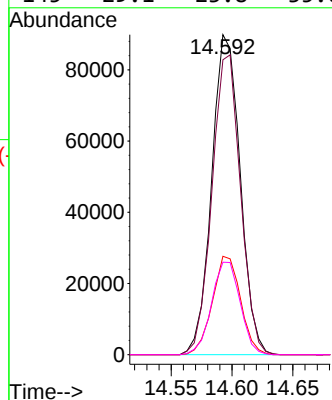
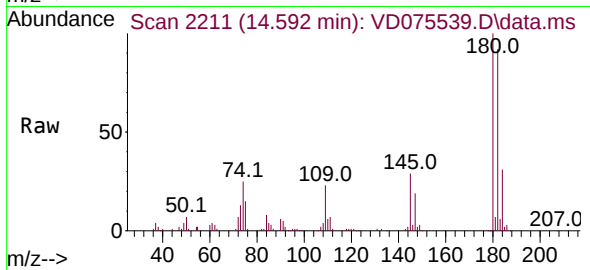
Ion Ratio Lower Upper

180 100

182 93.7 76.5 114.7

184 30.4 23.6 35.4

145 29.1 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 18.752 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

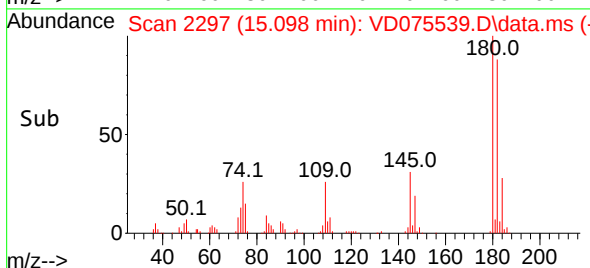
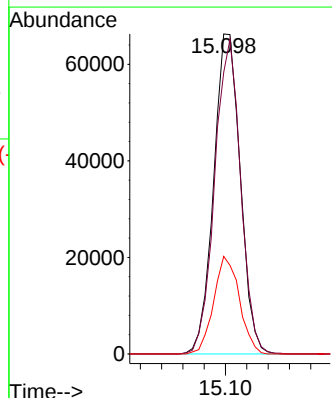
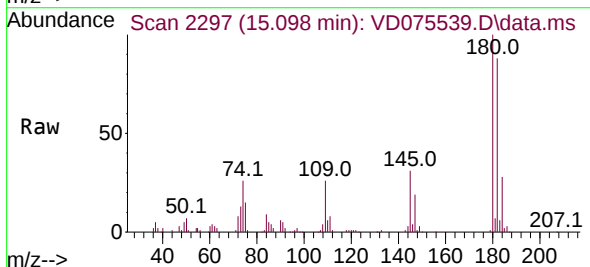
Tgt Ion:180 Resp: 114981

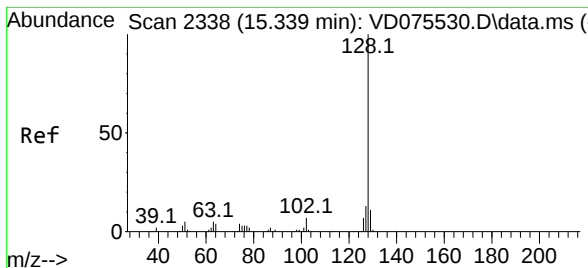
Ion Ratio Lower Upper

180 100

182 95.5 74.3 111.5

145 29.4 23.0 34.6





#71

Naphthalene

Concen: 18.391 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD025115

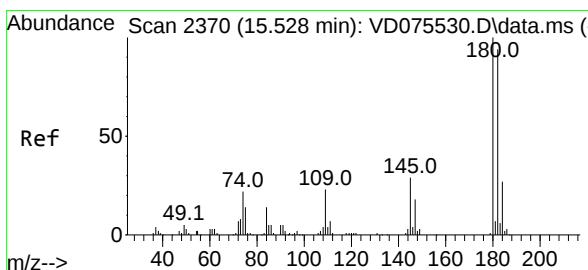
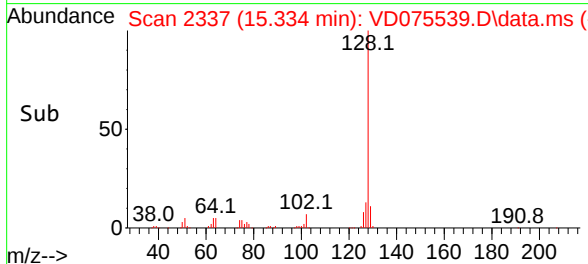
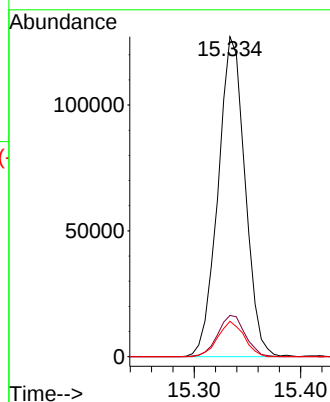
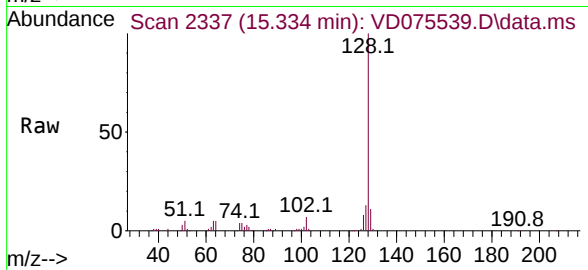
Tgt Ion:128 Resp: 223664

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 20.148 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD075539.D

Acq: 29 Mar 2023 18:29

Tgt Ion:180 Resp: 108897

Ion Ratio Lower Upper

180 100

182 93.4 75.3 112.9

145 30.3 25.1 37.7

