

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030123\
 Data File : VD075426.D
 Acq On : 01 Mar 2023 14:05
 Operator : KP/SY
 Sample : VSTD00512
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005112

Quant Time: Mar 02 01:02:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 02 01:01:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	330147	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	299226	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	144929	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	51414	6.272	ug/L	0.00
7) Chloroethane-d5	2.799	69	43533	6.135	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	63	43023	5.619	ug/L	0.00
21) 2-Butanone-d5	6.987	46	9198	12.108	ug/L	0.00
24) Chloroform-d	7.569	84	51901	5.999	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	23312	6.219	ug/L	0.00
32) Benzene-d6	8.204	84	106008	5.965	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.216	67	29896	5.952	ug/L	0.00
41) Toluene-d8	10.269	98	94068	5.803	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	11568	5.636	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	8026	11.077	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	25683	6.113	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	29202	5.760	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	26134	5.145	ug/L	99
3) Chloromethane	2.146	50	46240	5.413	ug/L	95
5) Vinyl chloride	2.281	62	55444	5.161	ug/L	96
6) Bromomethane	2.693	94	23763	4.668	ug/L	91
8) Chloroethane	2.834	64	33719	4.945	ug/L	97
9) Trichlorofluoromethane	3.175	101	41604	5.174	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	27442	4.940	ug/L #	87
12) 1,1-Dichloroethene	3.940	96	24032	4.912	ug/L	92
13) Acetone	4.028	43	9386	10.876	ug/L	97
14) Carbon disulfide	4.275	76	70068	5.123	ug/L	99
15) Methyl Acetate	4.569	43	7991	5.452	ug/L #	65
16) Methylene chloride	4.799	84	39995	5.734	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	25892	4.938	ug/L	92
18) Methyl tert-butyl Ether	5.322	73	47763	4.901	ug/L #	90
19) 1,1-Dichloroethane	6.116	63	45512	5.131	ug/L	94
20) cis-1,2-Dichloroethene	7.087	96	29091	4.911	ug/L	94
22) 2-Butanone	7.087	43	12067	11.082	ug/L	92
23) Bromochloromethane	7.428	128	13102	5.163	ug/L	97
25) Chloroform	7.593	83	48617	5.026	ug/L	96
27) 1,2-Dichloroethane	8.328	62	27635	5.298	ug/L #	88
29) Cyclohexane	7.881	56	28329	4.425	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	39176	4.869	ug/L	98
31) Carbon tetrachloride	7.993	117	29898	4.679	ug/L	98
33) Benzene	8.251	78	106306	4.943	ug/L	100
34) Trichloroethene	9.034	95	26903	4.790	ug/L	94
35) Methylcyclohexane	9.275	83	39477	4.506	ug/L	98
37) 1,2-Dichloropropane	9.304	63	26896	5.090	ug/L #	93
38) Bromodichloromethane	9.587	83	35193	5.035	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	39483	4.882	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	20298	10.016	ug/L	99
42) Toluene	10.334	91	108158	4.592	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	32358	4.856	ug/L	97

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 Quant Title : SFAM01.0
 QLast Update : Thu Mar 02 01:01:13 2023
 Response via : Initial Calibration

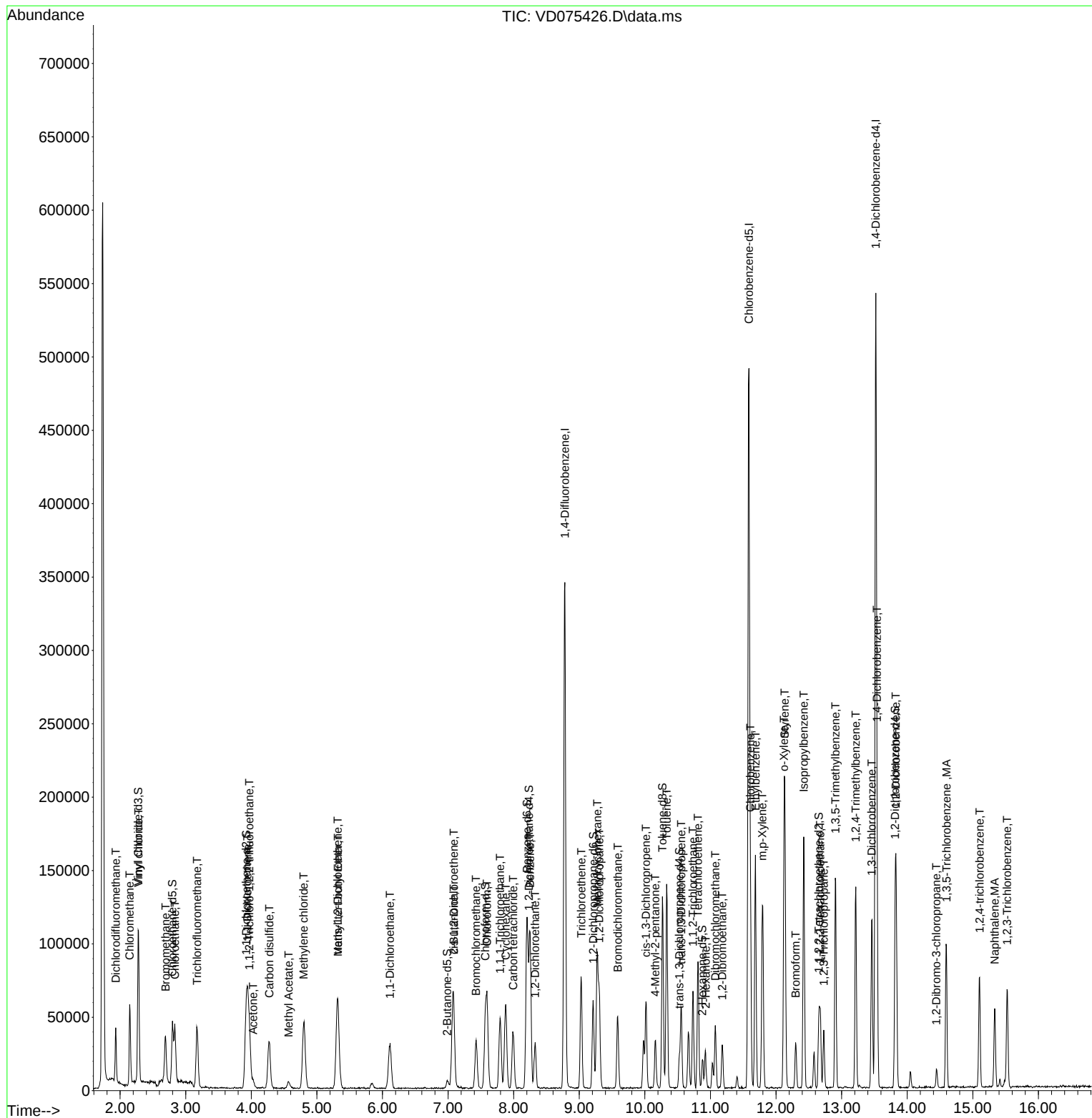
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	21972	5.206	ug/L	90
46) Tetrachloroethene	10.810	164	20380	4.736	ug/L	95
48) 2-Hexanone	10.928	43	14816	9.937	ug/L	99
49) Dibromochloromethane	11.075	129	22531	4.887	ug/L	96
50) 1,2-Dibromoethane	11.181	107	20210	5.297	ug/L #	95
51) Chlorobenzene	11.610	112	74278	4.854	ug/L	97
52) Ethylbenzene	11.687	91	112510	4.494	ug/L	99
53) m,p-Xylene	11.792	106	44798	4.542	ug/L	90
54) o-Xylene	12.122	106	40085	4.296	ug/L	98
55) Styrene	12.134	104	73628	4.443	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	24421	5.287	ug/L	96
59) Bromoform	12.298	173	14049	5.372	ug/L	96
60) Isopropylbenzene	12.422	105	110462	4.532	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	15537	5.348	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	76477	4.180	ug/L	96
63) 1,2,4-Trimethylbenzene	13.216	105	75668	4.229	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	51769	4.801	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	53748	4.846	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	46184	4.807	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	2834	5.023	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.598	180	31821	4.706	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	24756	4.554	ug/L	94
71) Naphthalene	15.333	128	48175	4.468	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	22576	4.711	ug/L	96

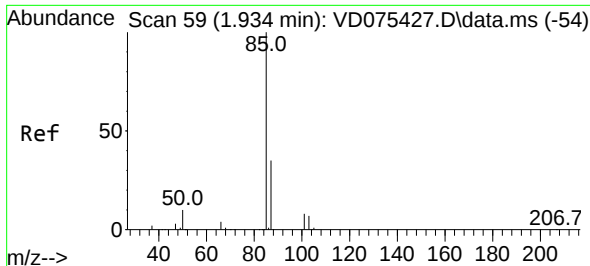
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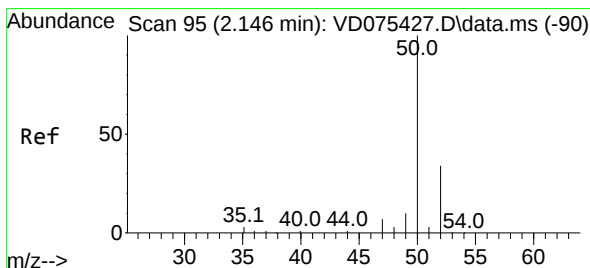
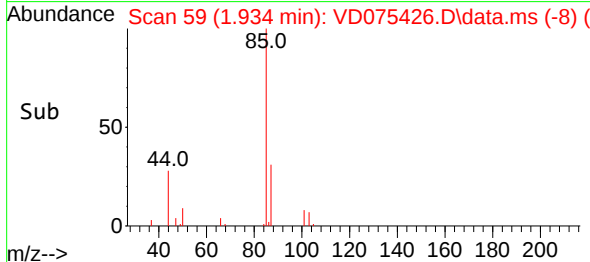
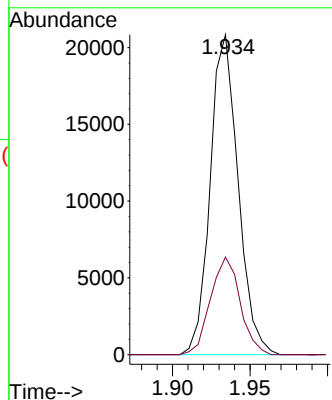
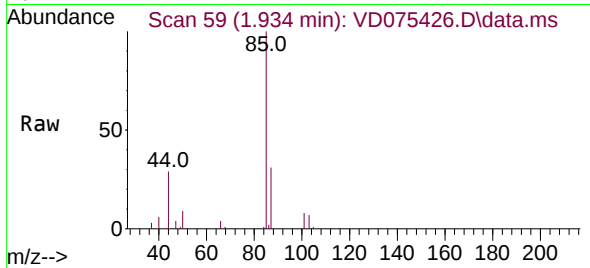




#2
Dichlorodifluoromethane
Concen: 5.145 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

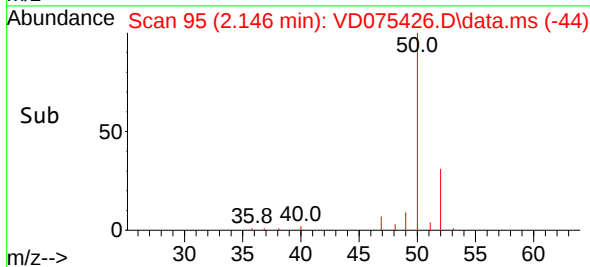
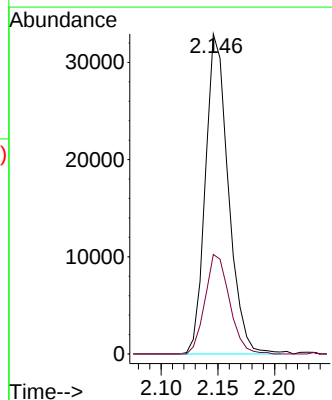
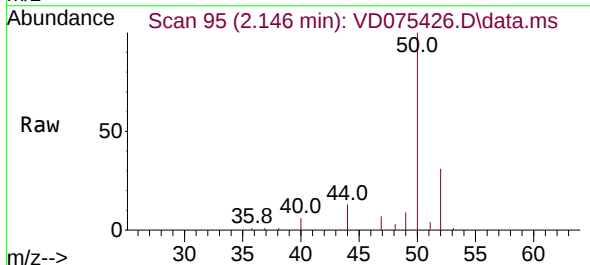
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

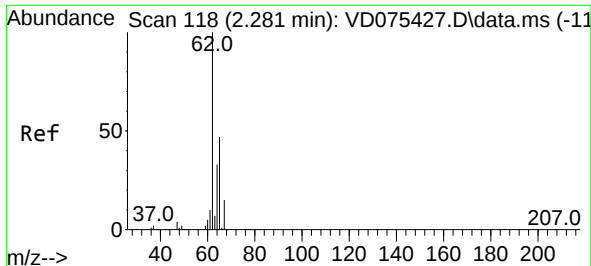
Tgt Ion: 85 Resp: 26134
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 5.413 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 50 Resp: 46240
Ion Ratio Lower Upper
50 100
52 31.1 23.7 43.9

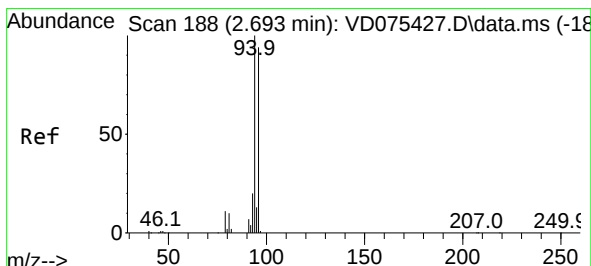
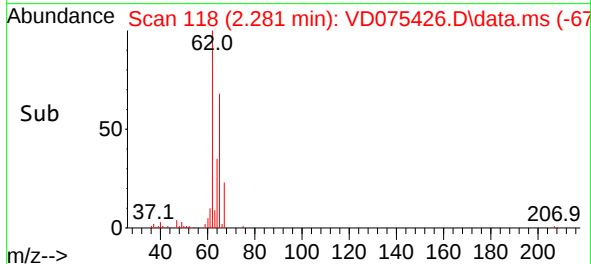
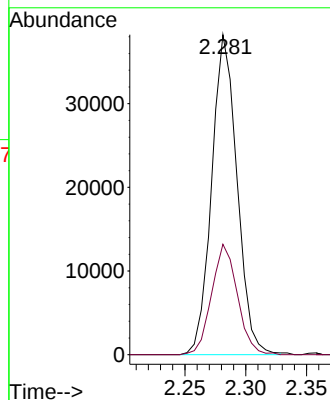
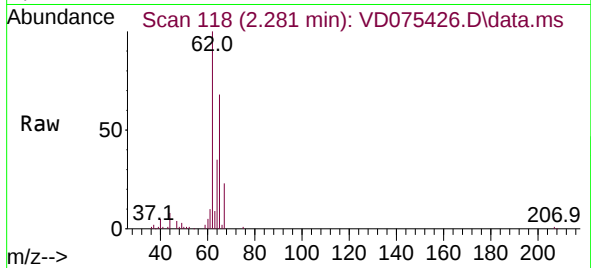




#5
Vinyl chloride
Concen: 5.161 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

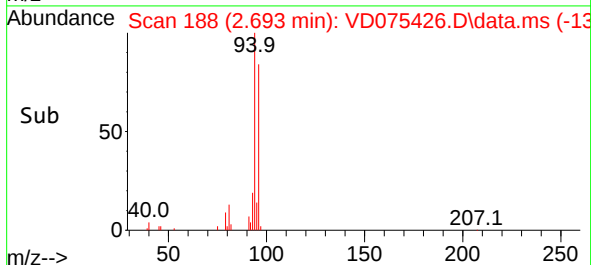
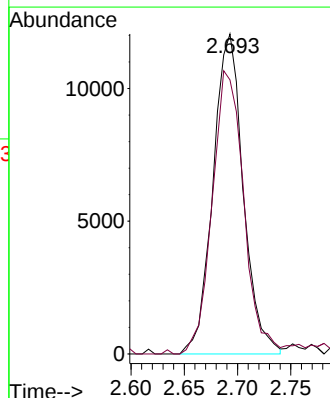
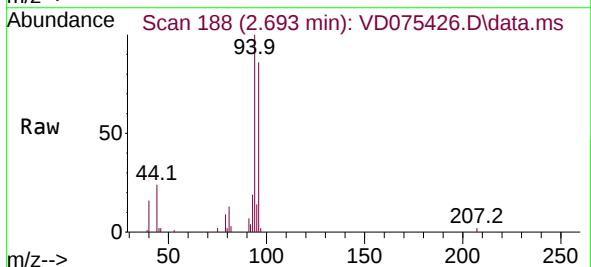
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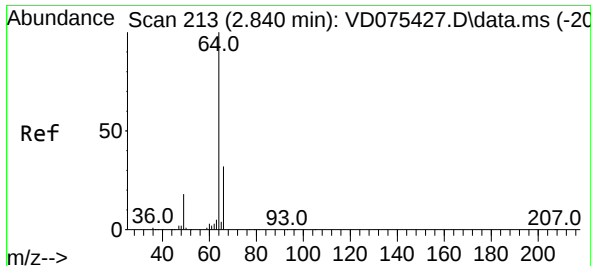
Tgt Ion: 62 Resp: 55444
Ion Ratio Lower Upper
62 100
64 34.5 22.7 42.3



#6
Bromomethane
Concen: 4.668 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 94 Resp: 23763
Ion Ratio Lower Upper
94 100
96 85.6 65.9 122.5

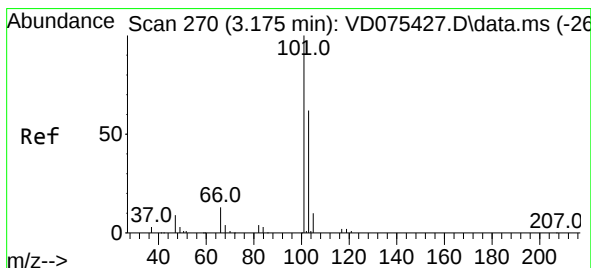
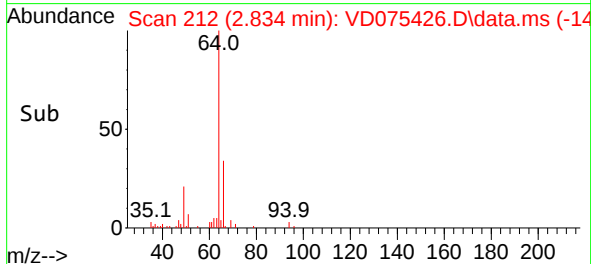
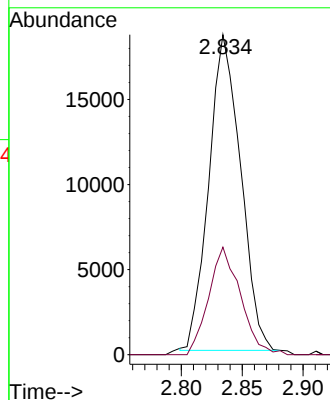
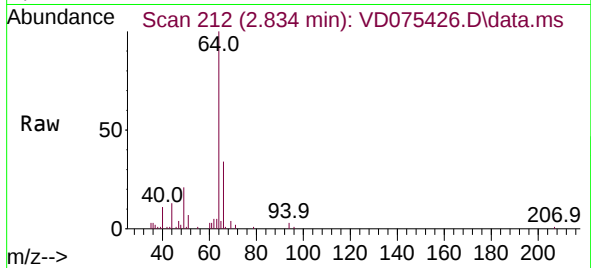




#8
Chloroethane
Concen: 4.945 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

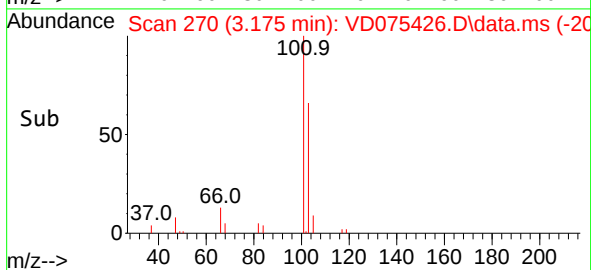
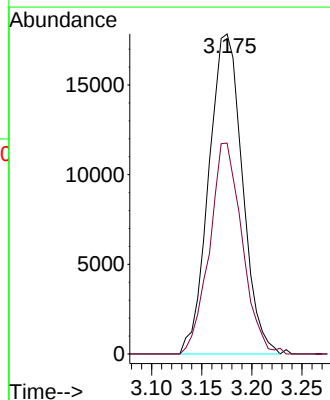
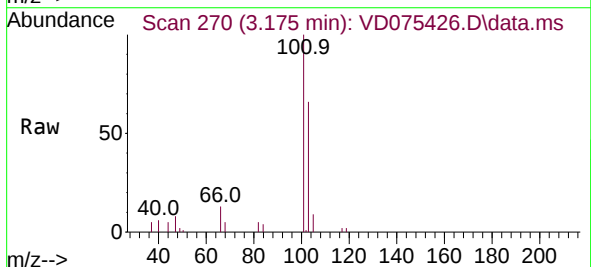
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

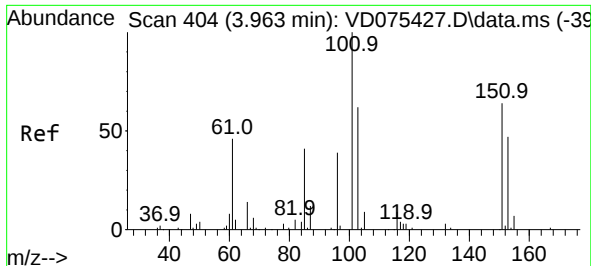
Tgt Ion: 64 Resp: 33719
Ion Ratio Lower Upper
64 100
66 33.6 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.174 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion:101 Resp: 41604
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.8





#10

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

Concen: 4.940 ug/L

RT: 3.969 min Scan# 404

Delta R.T. 0.006 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

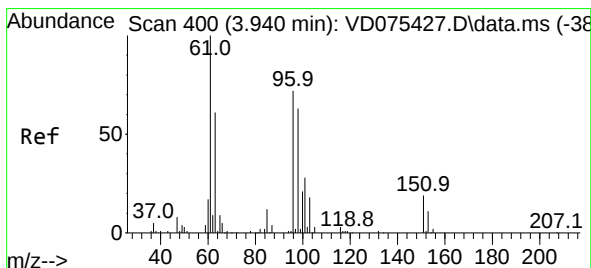
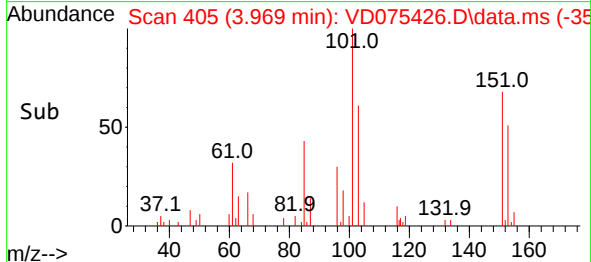
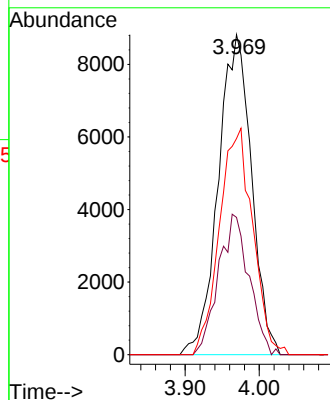
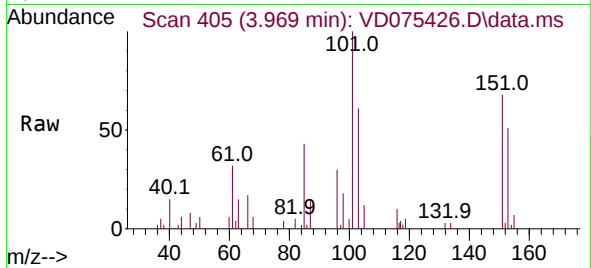
Tgt Ion:101 Resp: 27442

Ion Ratio Lower Upper

101 100

85 24.4 34.0 51.0#

151 70.9 54.8 82.2



#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

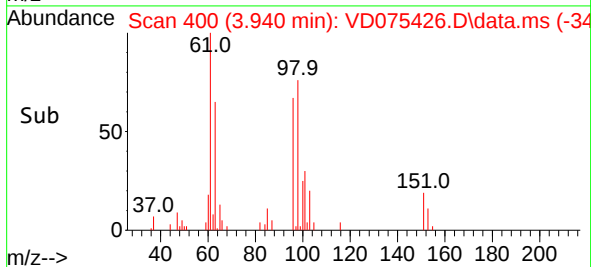
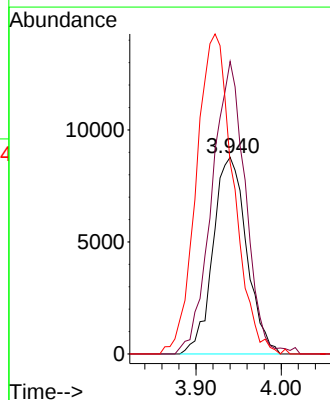
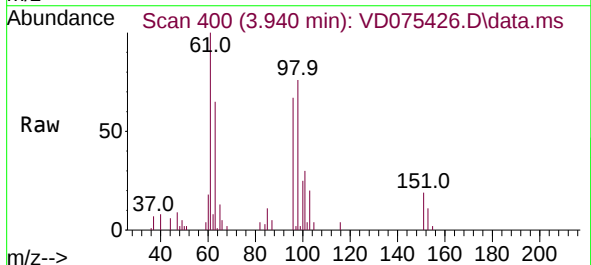
Tgt Ion: 96 Resp: 24032

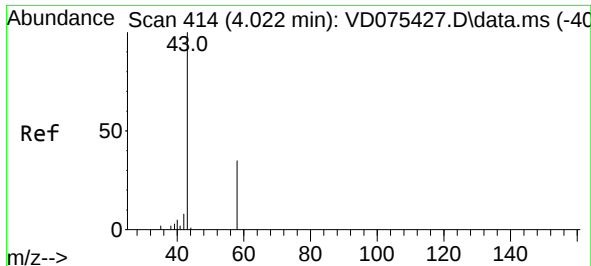
Ion Ratio Lower Upper

96 100

61 148.8 97.5 181.1

63 97.3 62.4 116.0





#13

Acetone

Concen: 10.876 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

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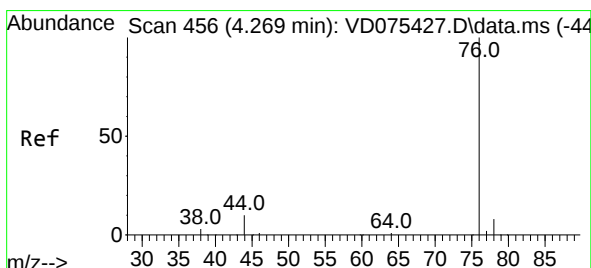
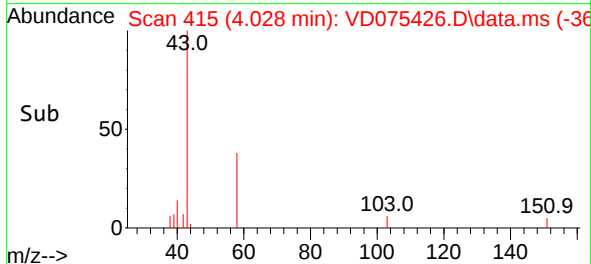
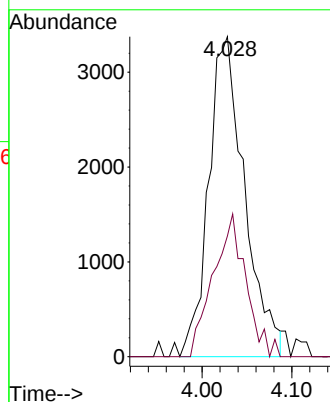
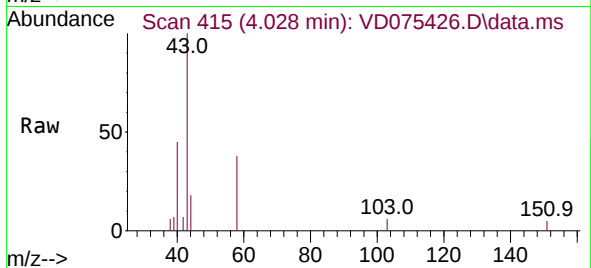
VSTD005112

Tgt Ion: 43 Resp: 9386

Ion Ratio Lower Upper

43 100

58 39.8 0.0 75.4



#14

Carbon disulfide

Concen: 5.123 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD075426.D

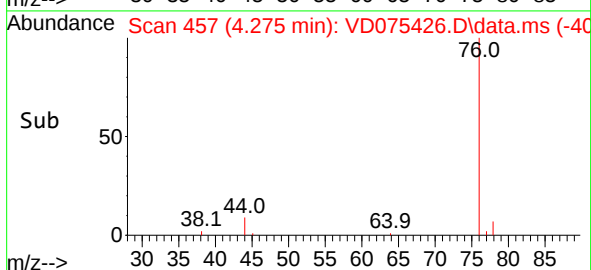
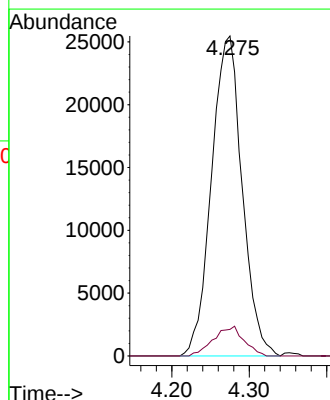
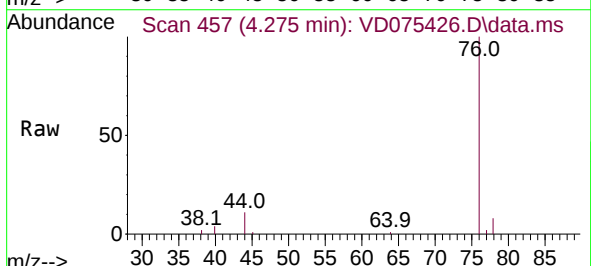
Acq: 01 Mar 2023 14:05

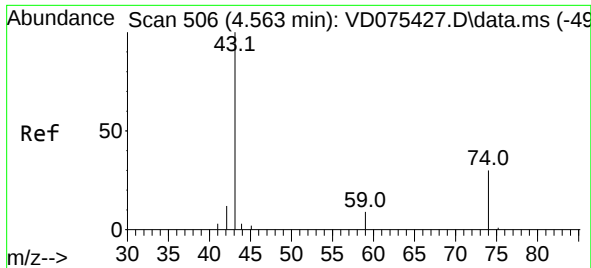
Tgt Ion: 76 Resp: 70068

Ion Ratio Lower Upper

76 100

78 8.3 6.8 10.2

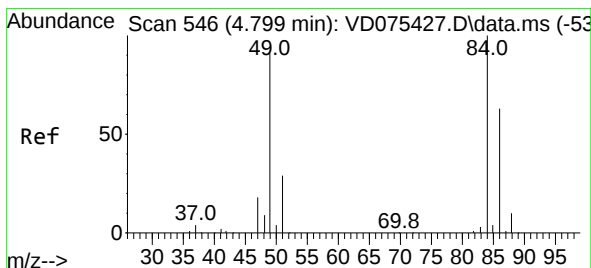
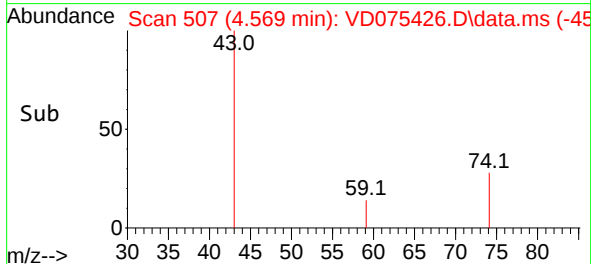
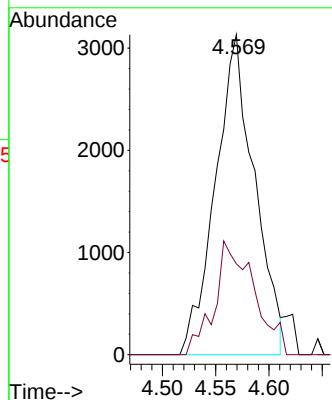
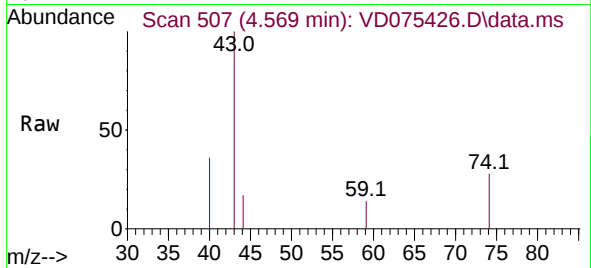




#15
Methyl Acetate
Concen: 5.452 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

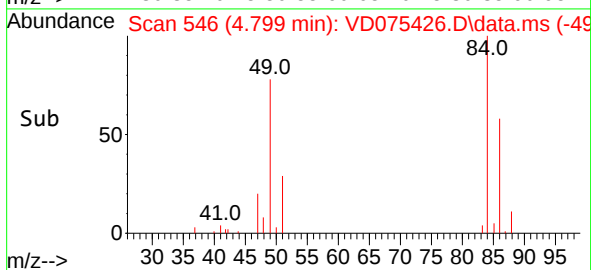
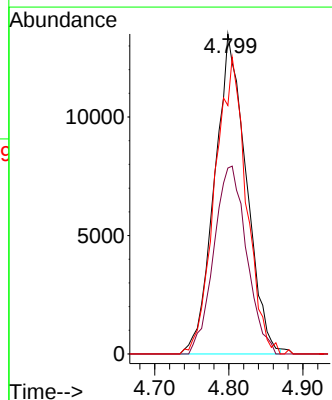
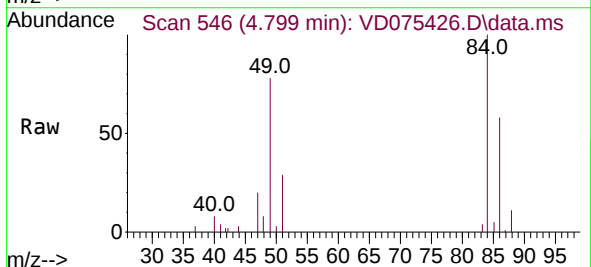
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

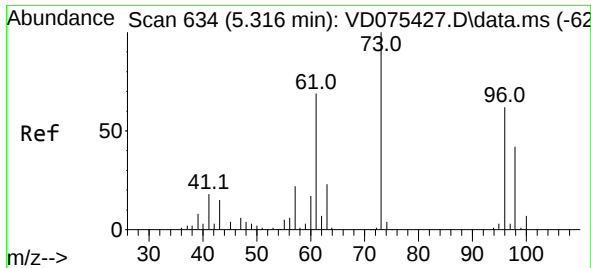
Tgt Ion: 43 Resp: 7991
Ion Ratio Lower Upper
43 100
74 12.6 25.7 38.5#



#16
Methylene chloride
Concen: 5.734 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 84 Resp: 39995
Ion Ratio Lower Upper
84 100
86 58.1 44.2 82.2
49 77.6 63.6 118.2

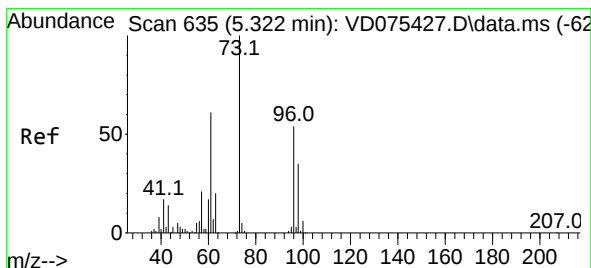
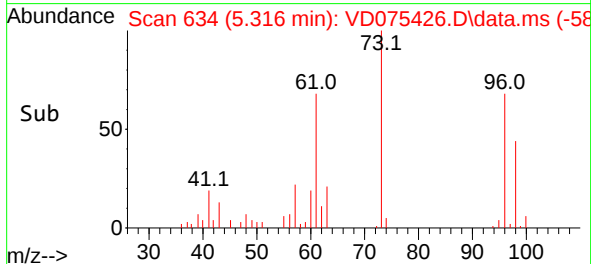
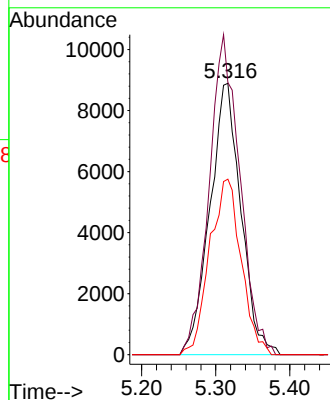
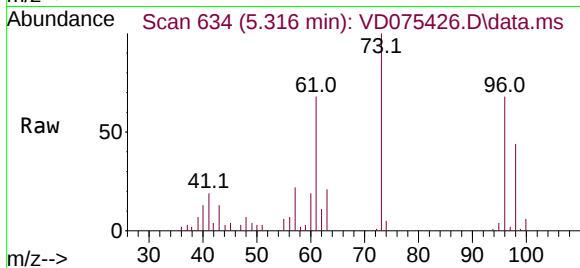




#17
trans-1,2-Dichloroethene
Concen: 4.938 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

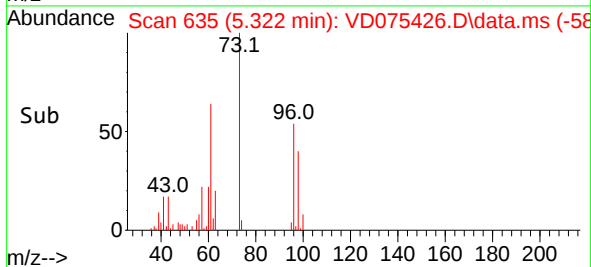
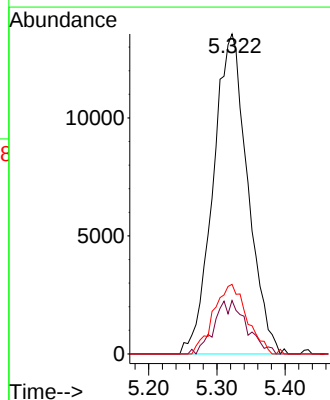
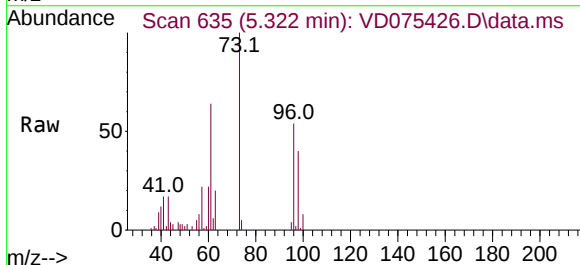
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

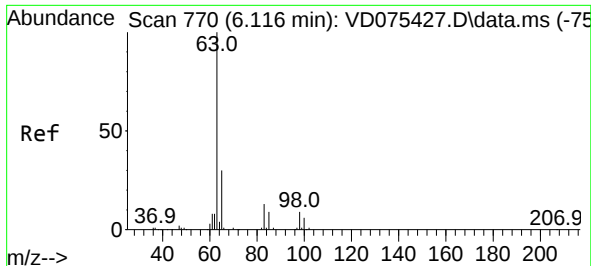
Tgt Ion: 96 Resp: 25892
Ion Ratio Lower Upper
96 100
61 100.3 77.8 144.6
98 64.7 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 4.901 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 73 Resp: 47763
Ion Ratio Lower Upper
73 100
43 7.2 12.1 18.1#
57 19.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 5.131 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

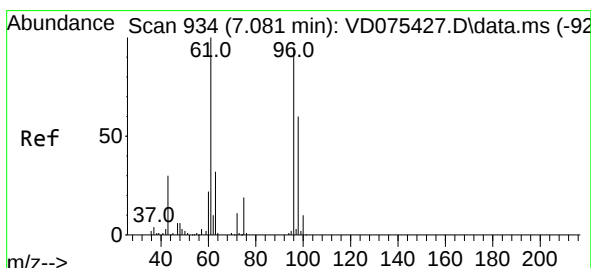
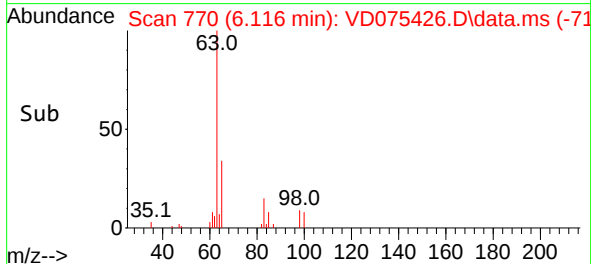
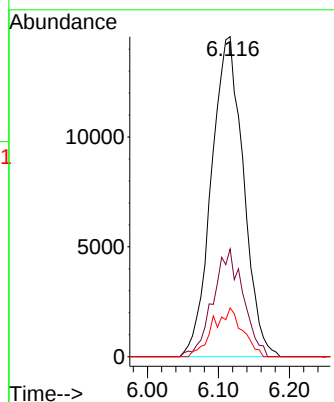
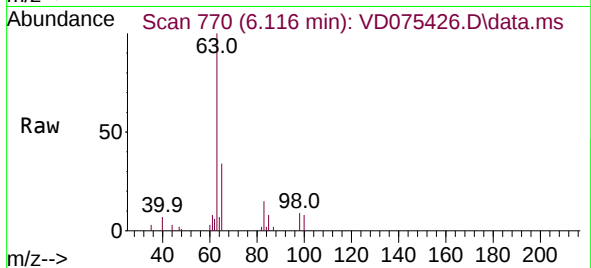
Tgt Ion: 63 Resp: 45512

Ion Ratio Lower Upper

63 100

65 33.6 21.1 39.3

83 15.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 4.911 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

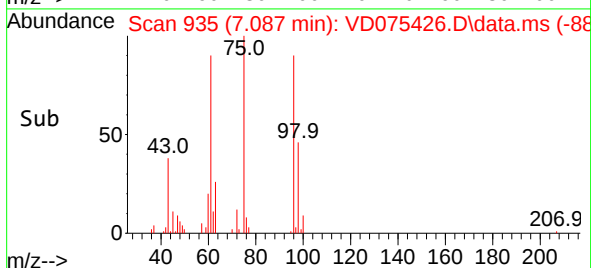
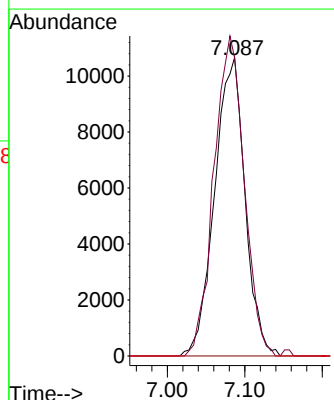
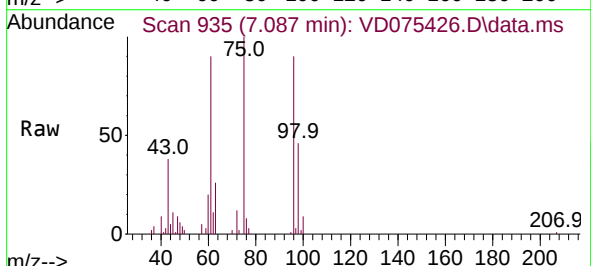
Tgt Ion: 96 Resp: 29091

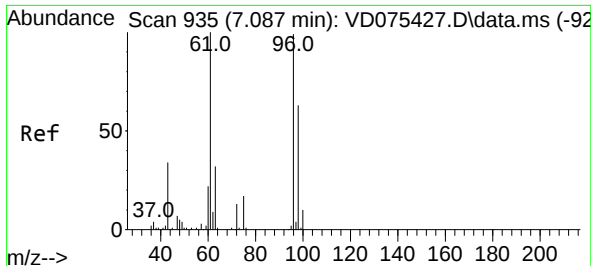
Ion Ratio Lower Upper

96 100

61 99.8 73.9 137.3

68 0.0 0.0 0.0

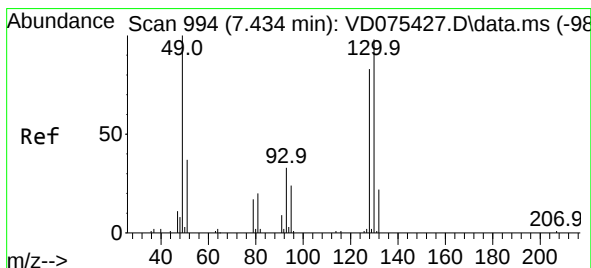
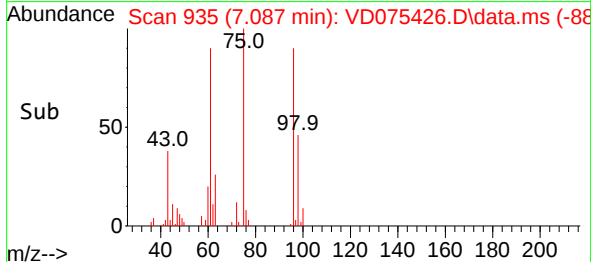
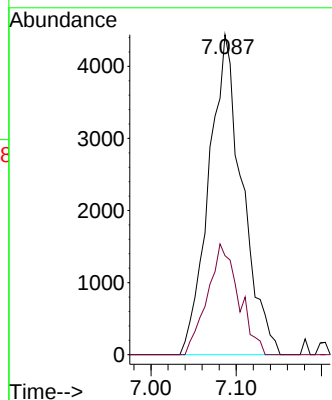
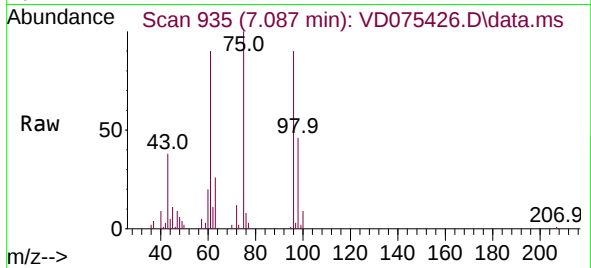




#22
2-Butanone
Concen: 11.082 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

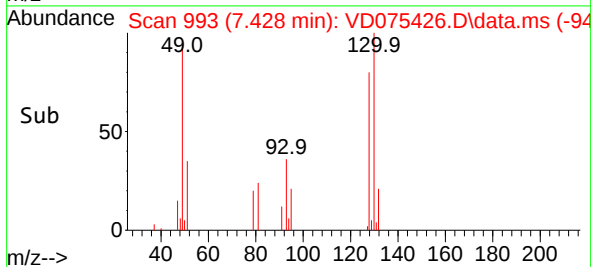
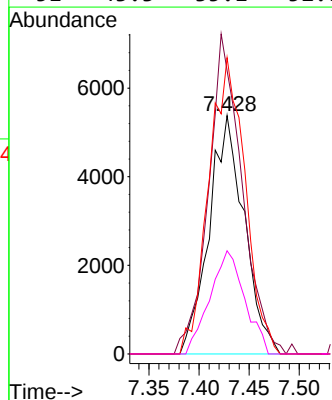
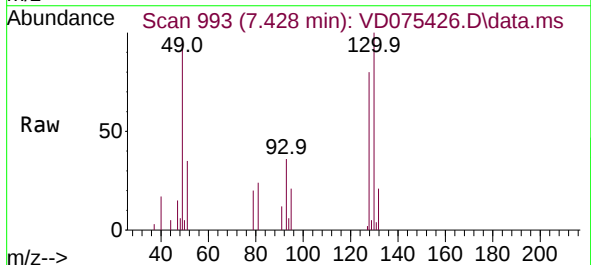
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

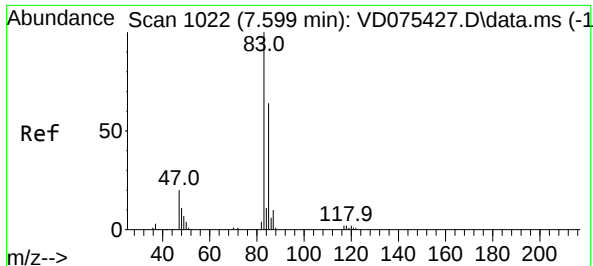
Tgt Ion: 43 Resp: 12067
Ion Ratio Lower Upper
43 100
72 32.0 18.3 54.9



#23
Bromochloromethane
Concen: 5.163 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 128 Resp: 13102
Ion Ratio Lower Upper
128 100
49 118.8 84.2 156.4
130 124.2 82.5 153.1
51 43.3 35.1 52.7





#25

Chloroform

Concen: 5.026 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

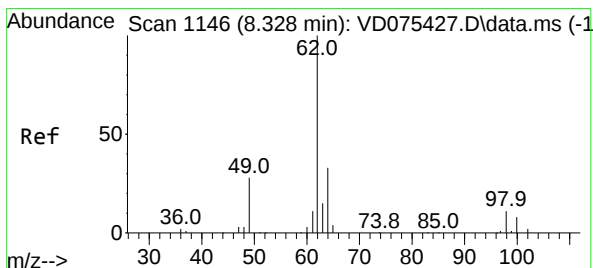
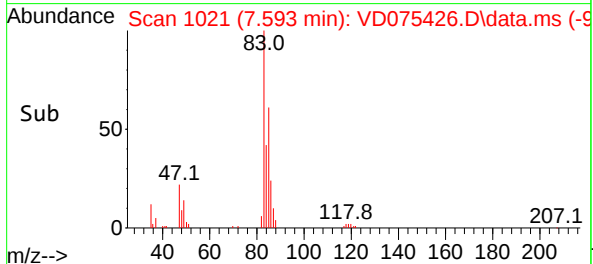
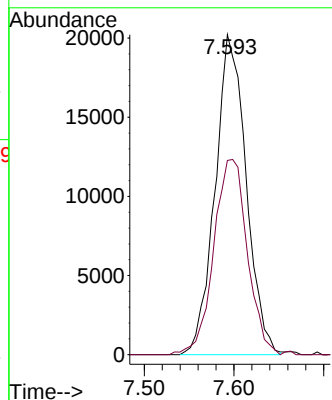
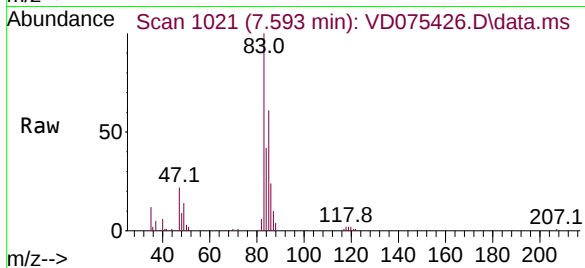
VSTD005112

Tgt Ion: 83 Resp: 48617

Ion Ratio Lower Upper

83 100

85 60.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 5.298 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075426.D

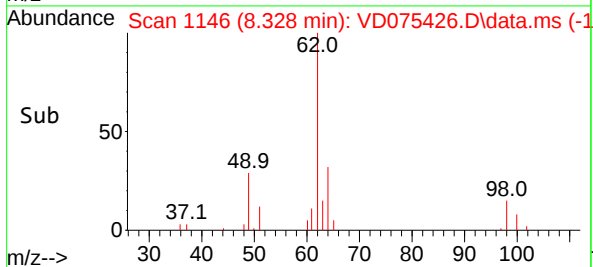
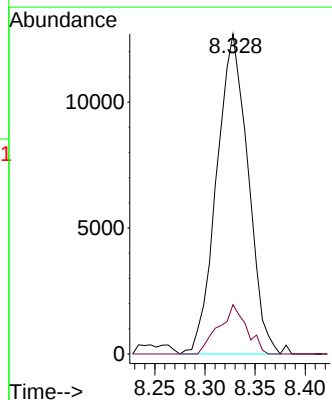
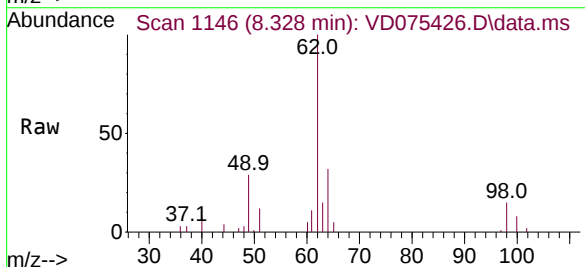
Acq: 01 Mar 2023 14:05

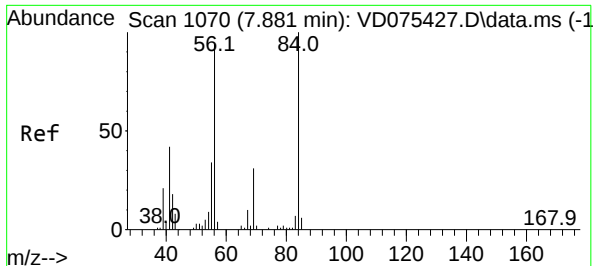
Tgt Ion: 62 Resp: 27635

Ion Ratio Lower Upper

62 100

98 15.4 8.8 13.2#





#29

Cyclohexane

Concen: 4.425 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

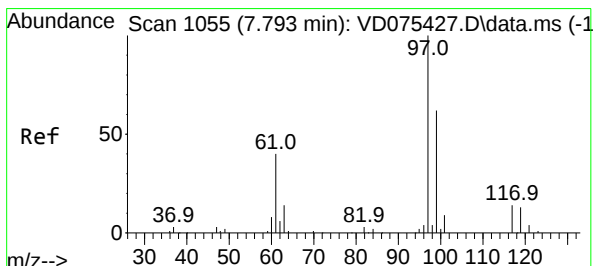
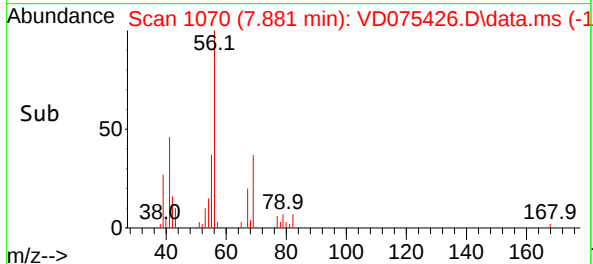
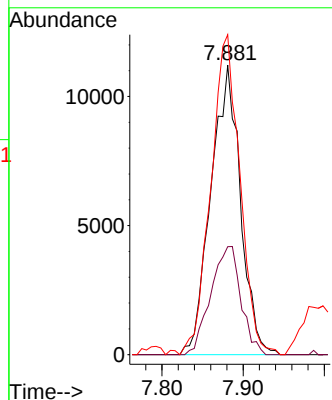
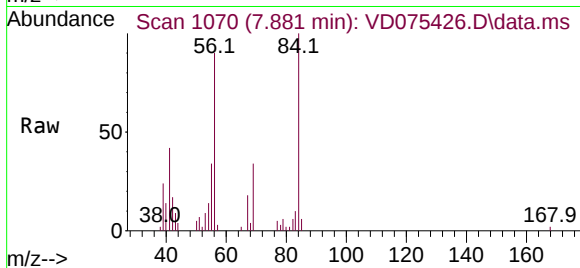
Tgt Ion: 56 Resp: 28329

Ion Ratio Lower Upper

56 100

69 38.2 27.0 40.6

84 108.8 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 4.869 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

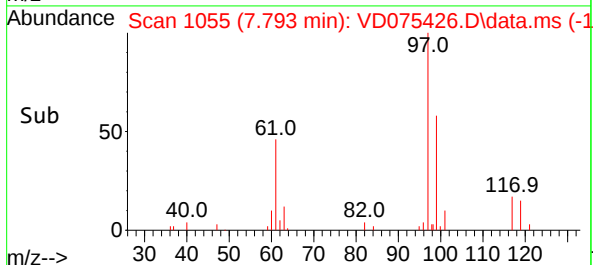
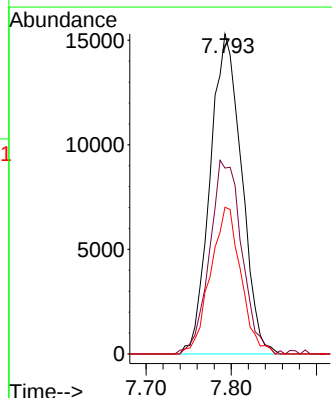
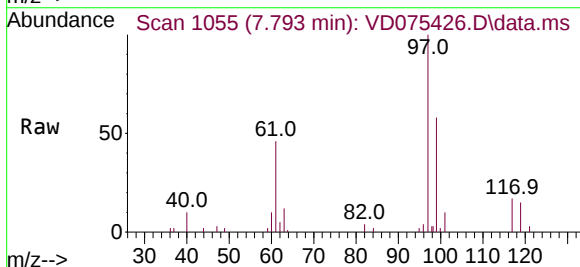
Tgt Ion: 97 Resp: 39176

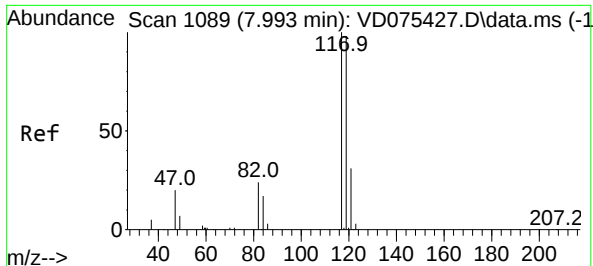
Ion Ratio Lower Upper

97 100

99 61.8 51.0 76.4

61 43.8 34.0 51.0

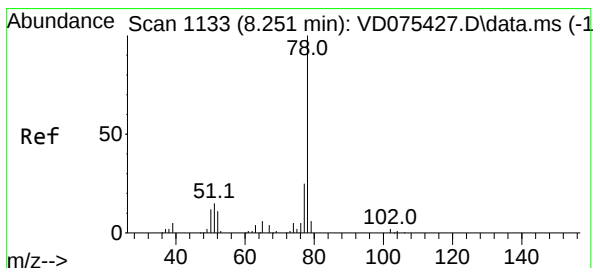
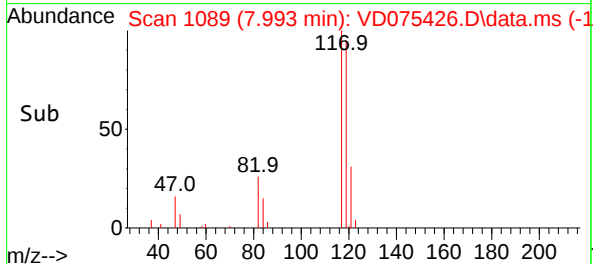
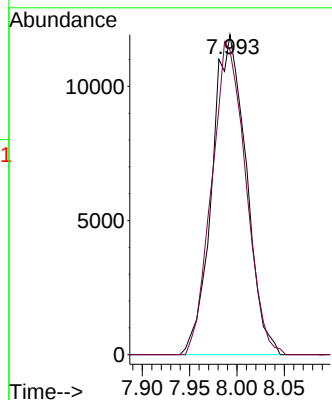
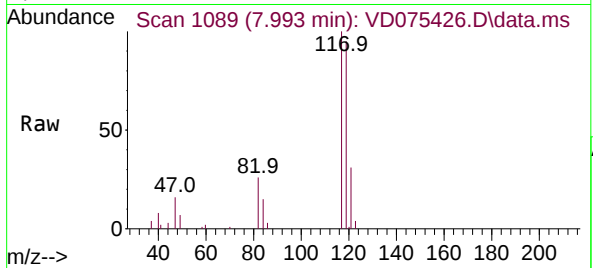




#31
Carbon tetrachloride
Concen: 4.679 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

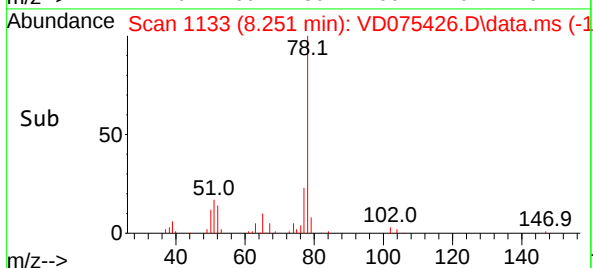
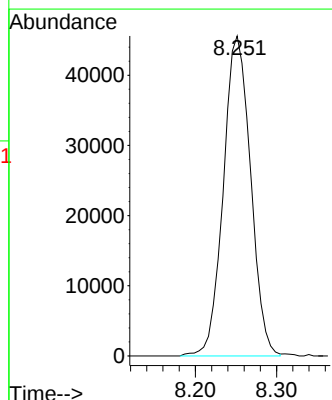
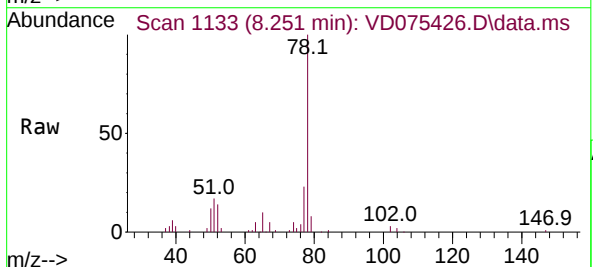
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

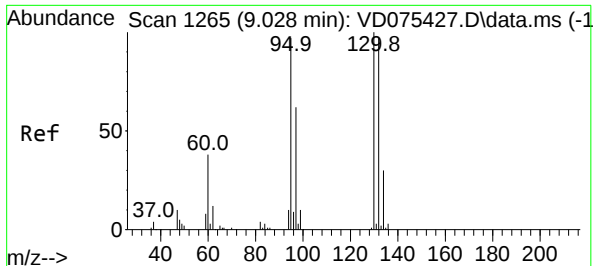
Tgt Ion:117 Resp: 29898
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2



#33
Benzene
Concen: 4.943 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 78 Resp: 106306



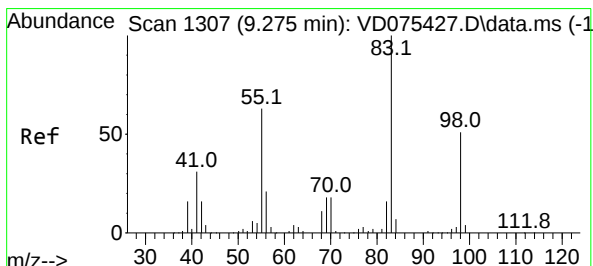
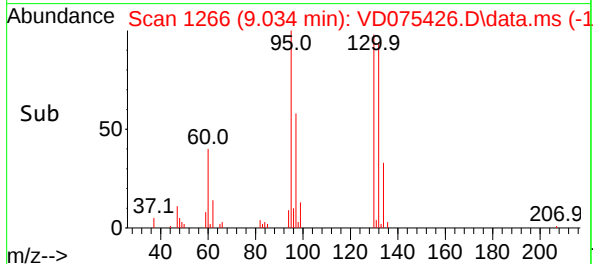
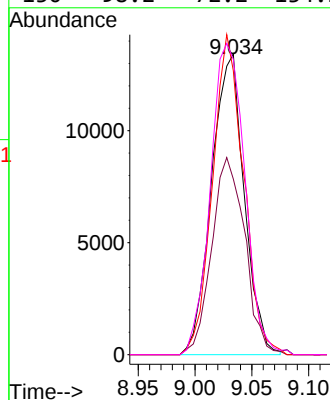
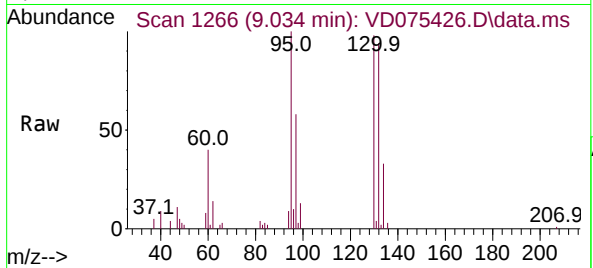


#34
Trichloroethene
Concen: 4.790 ug/L
RT: 9.034 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

Tgt Ion: 95 Resp: 26903

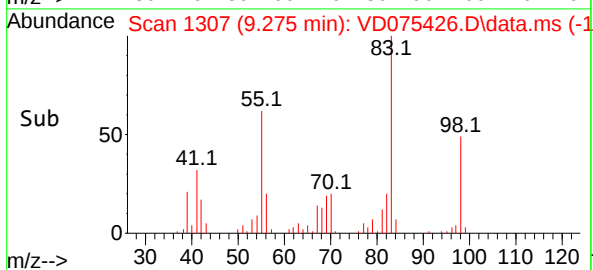
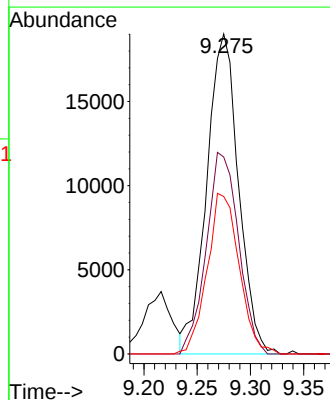
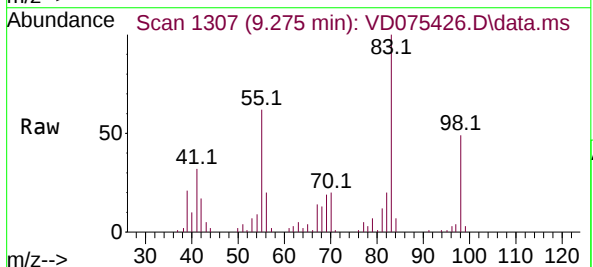
Ion	Ratio	Lower	Upper
95	100		
97	58.4	44.7	83.1
132	94.4	70.0	130.0
130	98.2	72.2	134.2

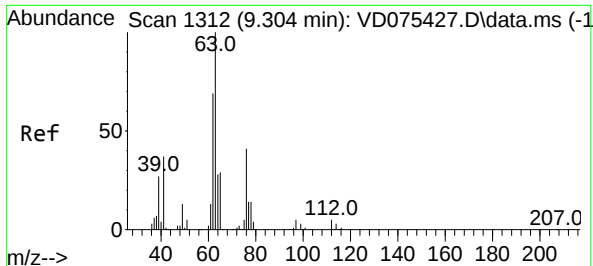


#35
Methylcyclohexane
Concen: 4.506 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 83 Resp: 39477

Ion	Ratio	Lower	Upper
83	100		
55	64.0	49.3	73.9
98	50.5	39.8	59.6

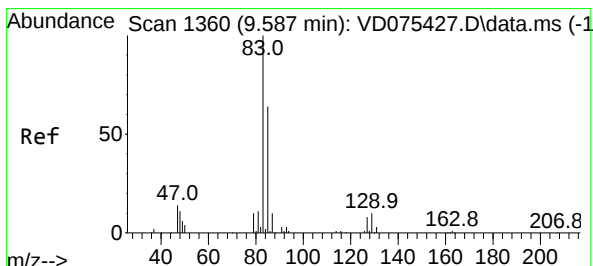
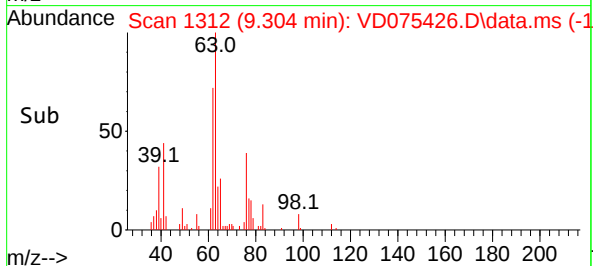
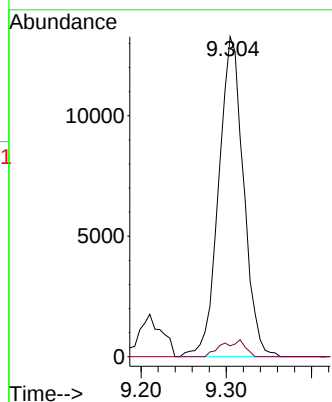
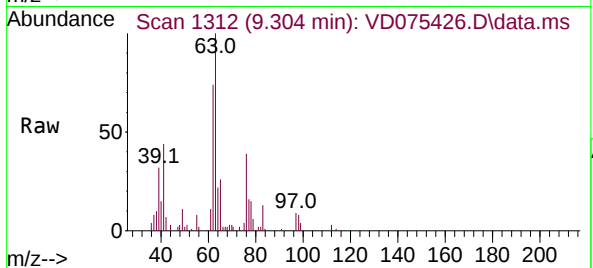




#37
1,2-Dichloropropane
Concen: 5.090 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

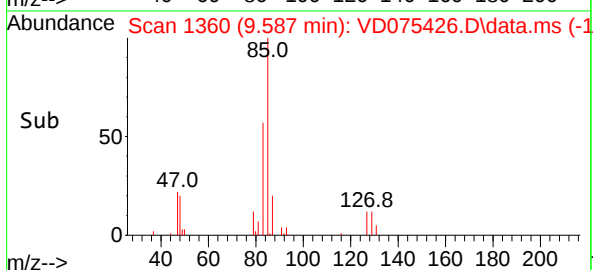
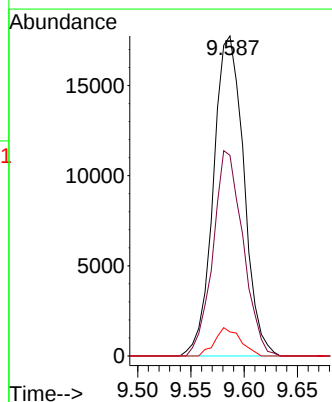
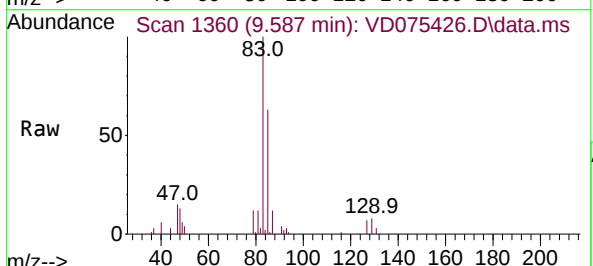
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

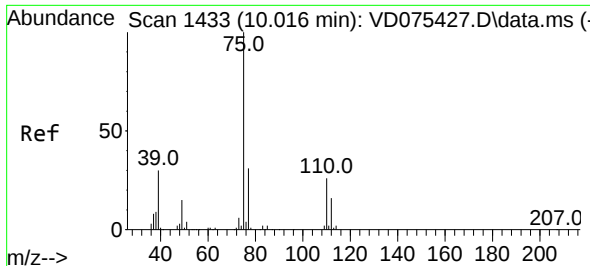
Tgt Ion: 63 Resp: 26896
Ion Ratio Lower Upper
63 100
112 2.5 3.8 5.6#



#38
Bromodichloromethane
Concen: 5.035 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 83 Resp: 35193
Ion Ratio Lower Upper
83 100
85 62.7 44.6 82.8
127 7.5 6.6 9.8

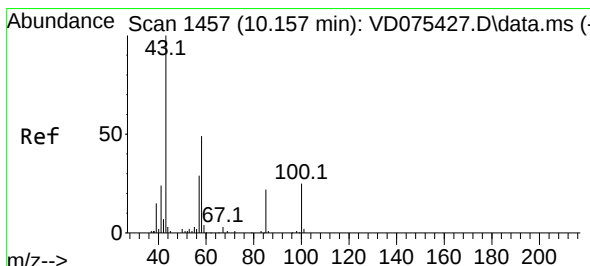
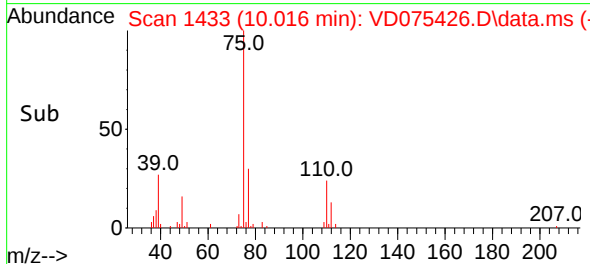
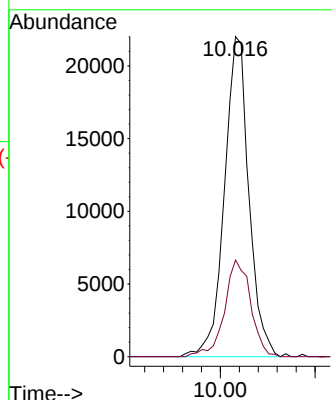
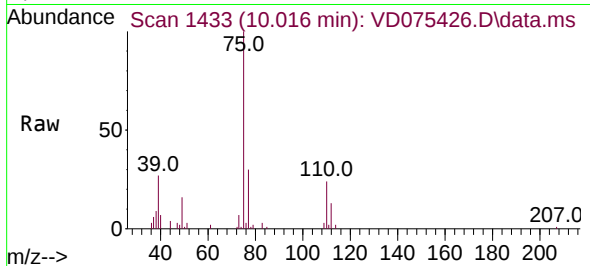




#39
 cis-1,3-Dichloropropene
 Concen: 4.882 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075426.D
 Acq: 01 Mar 2023 14:05

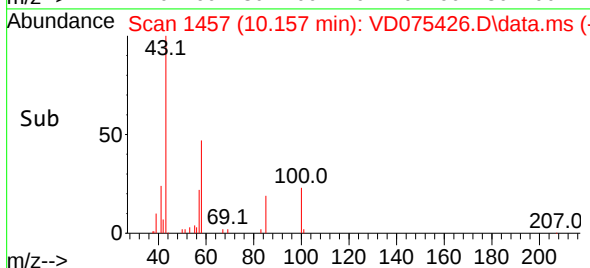
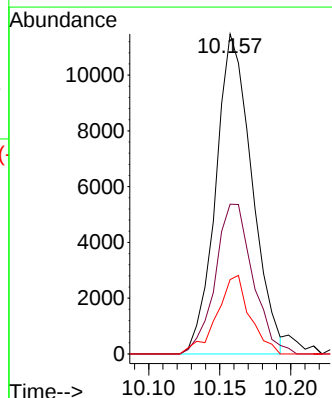
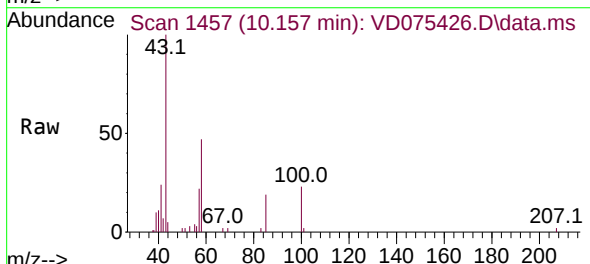
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005112

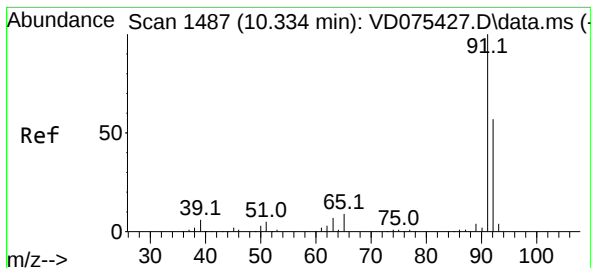
Tgt Ion: 75 Resp: 39483
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 10.016 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075426.D
 Acq: 01 Mar 2023 14:05

Tgt Ion: 43 Resp: 20298
 Ion Ratio Lower Upper
 43 100
 58 48.7 39.0 58.6
 100 22.4 18.7 28.1





#42

Toluene

Concen: 4.592 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

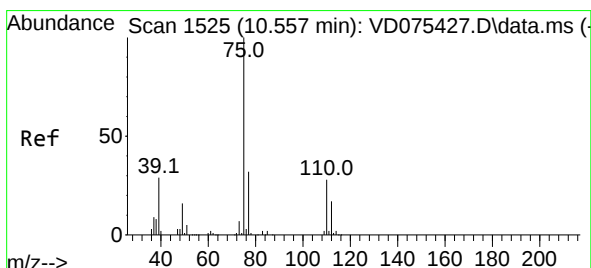
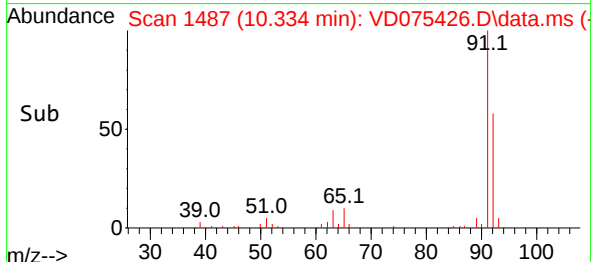
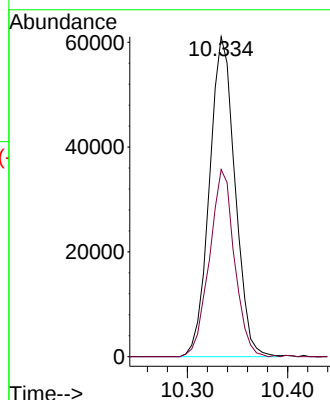
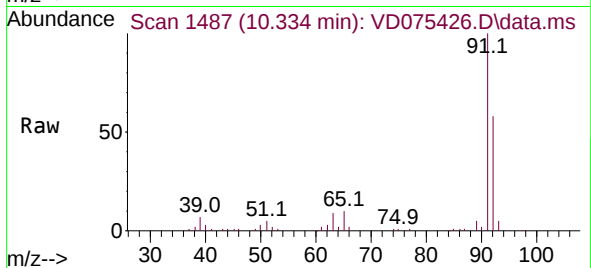
VSTD005112

Tgt Ion: 91 Resp: 108158

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.856 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD075426.D

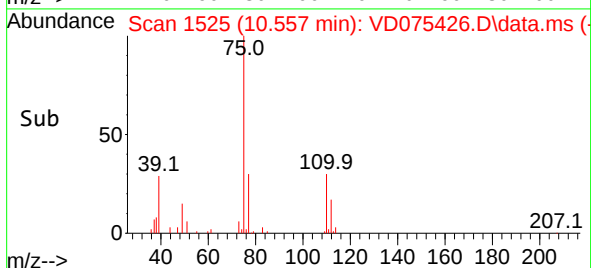
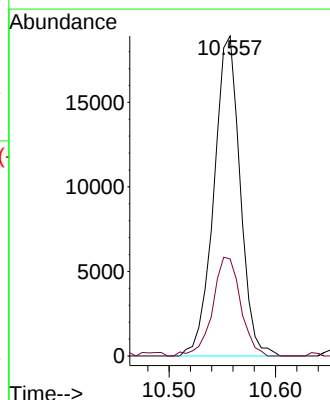
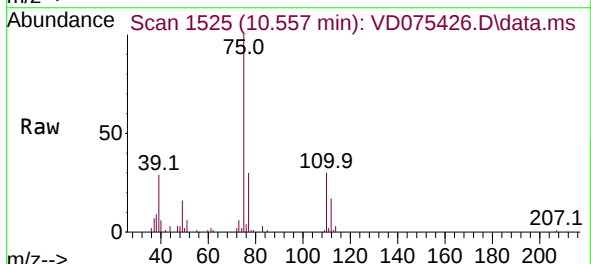
Acq: 01 Mar 2023 14:05

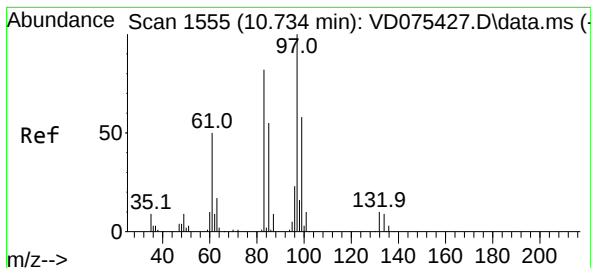
Tgt Ion: 75 Resp: 32358

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.206 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

Tgt Ion: 97 Resp: 21972

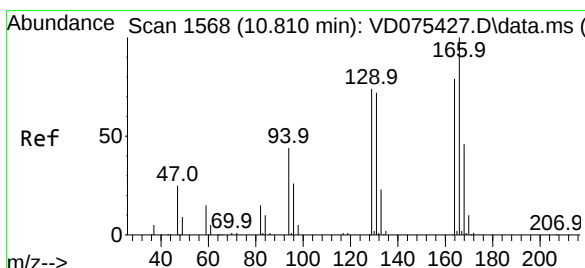
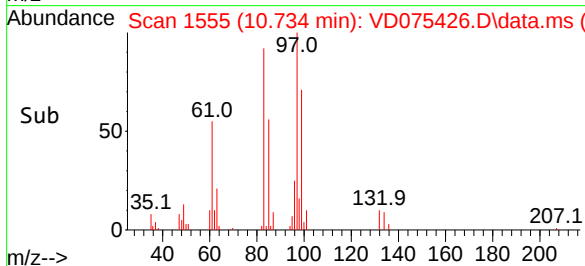
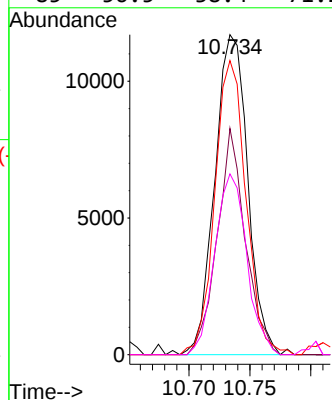
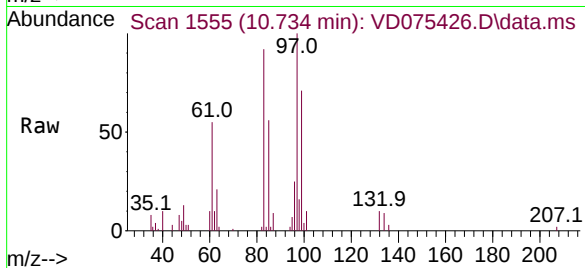
Ion Ratio Lower Upper

97 100

99 70.7 40.9 76.0

83 91.9 57.7 107.1

85 56.5 38.4 71.2



#46

Tetrachloroethene

Concen: 4.736 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Tgt Ion: 164 Resp: 20380

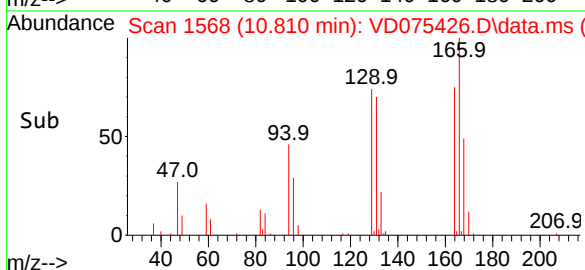
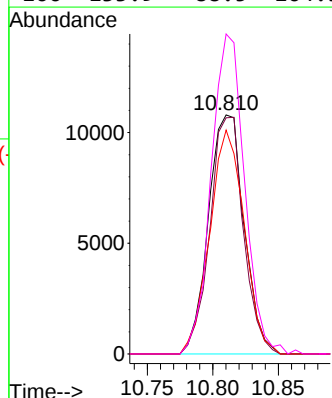
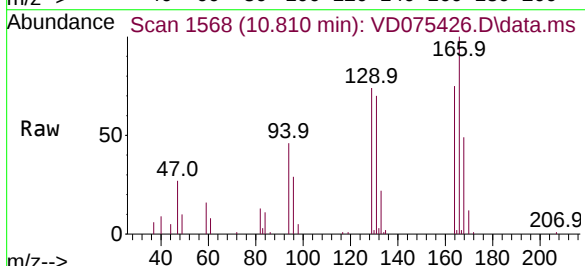
Ion Ratio Lower Upper

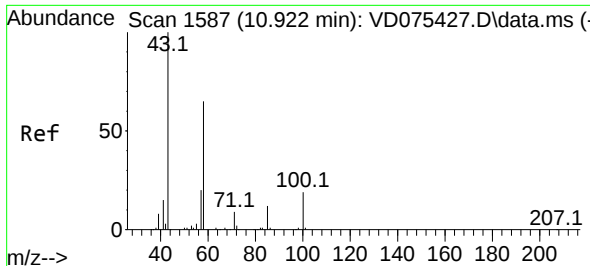
164 100

129 98.8 65.4 121.4

131 93.7 64.1 119.1

166 133.9 88.5 164.3

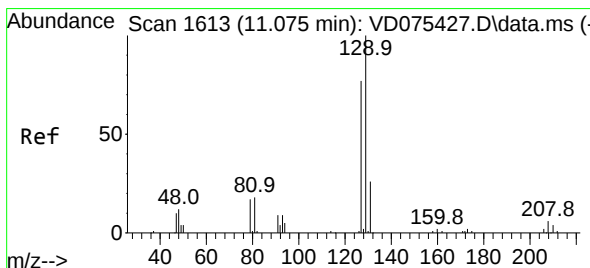
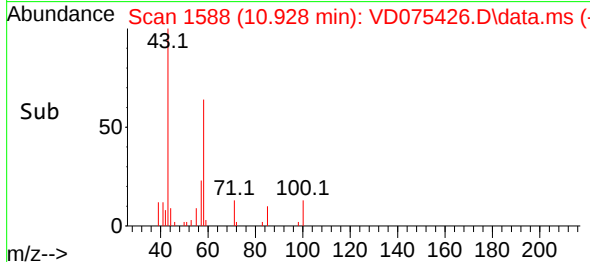
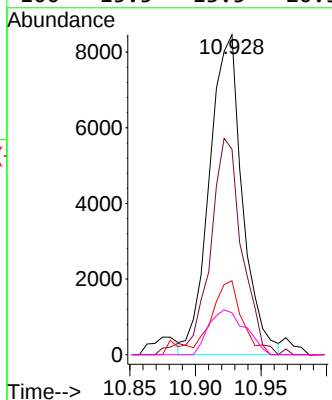
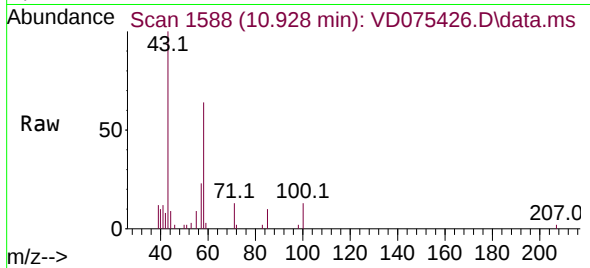




#48
2-Hexanone
Concen: 9.937 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

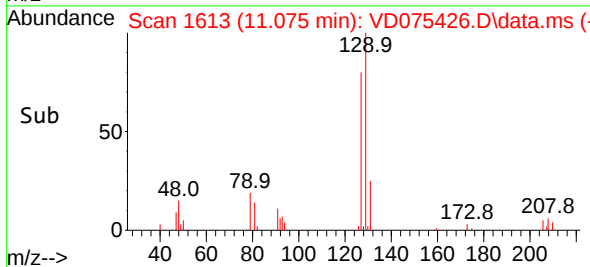
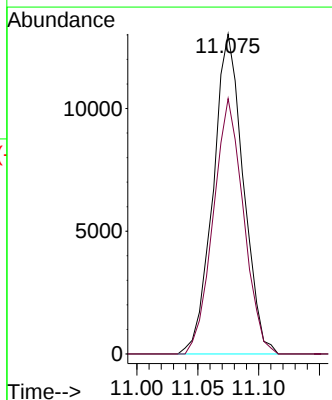
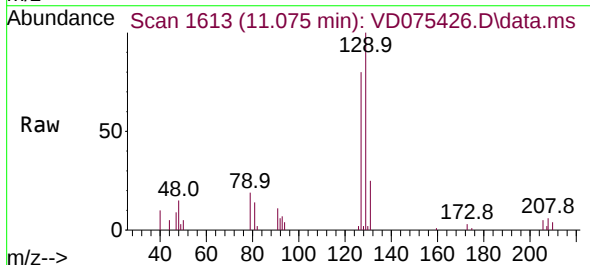
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

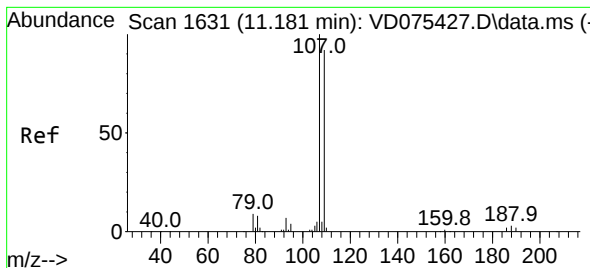
Tgt Ion: 43	Resp: 14816
Ion Ratio	Lower Upper
43 100	
58 65.4	53.1 79.7
57 20.7	16.7 25.1
100 15.5	13.5 20.3



#49
Dibromochloromethane
Concen: 4.887 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion:129	Resp:	22531	
Ion	Ratio	Lower	Upper
129	100		
127	79.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 5.297 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

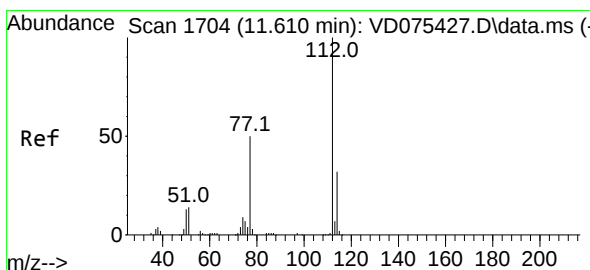
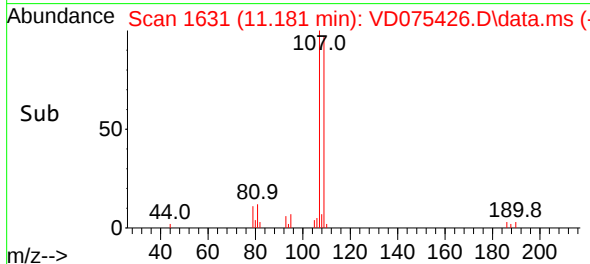
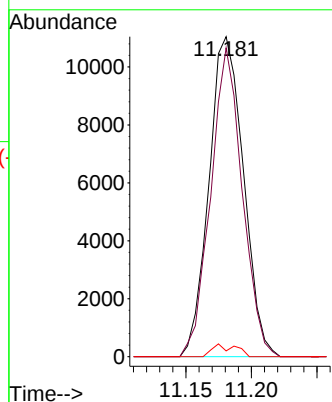
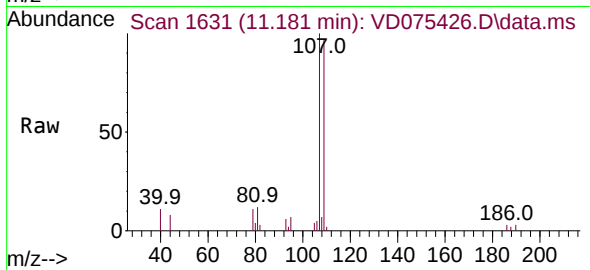
Tgt Ion:107 Resp: 20210

Ion Ratio Lower Upper

107 100

109 96.5 64.2 119.2

188 1.8 2.3 3.5#



#51

Chlorobenzene

Concen: 4.854 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

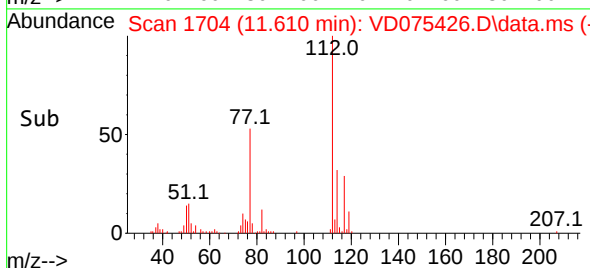
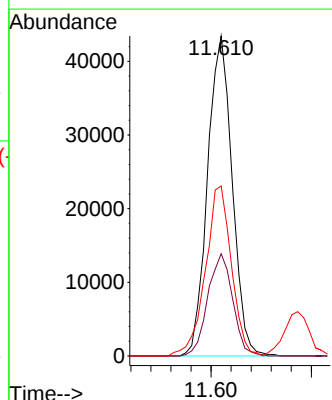
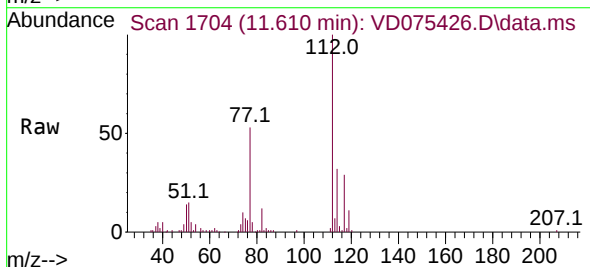
Tgt Ion:112 Resp: 74278

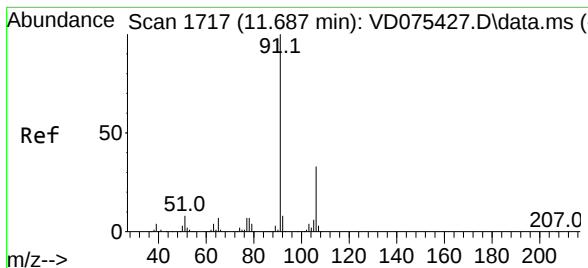
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 53.1 40.2 60.2

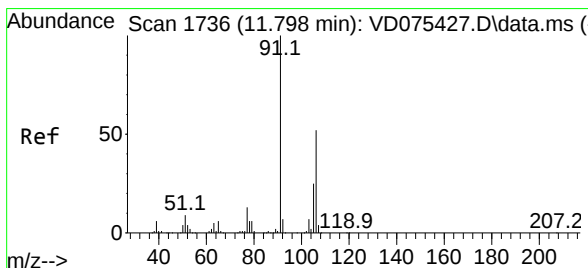
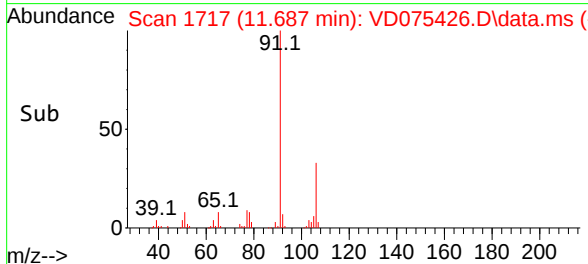
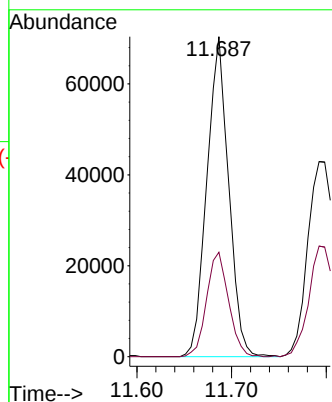
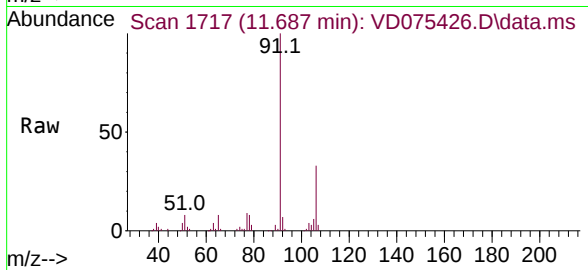




#52
Ethylbenzene
Concen: 4.494 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

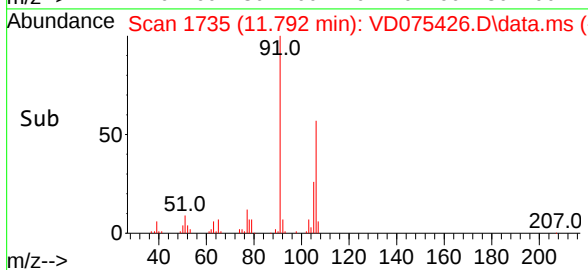
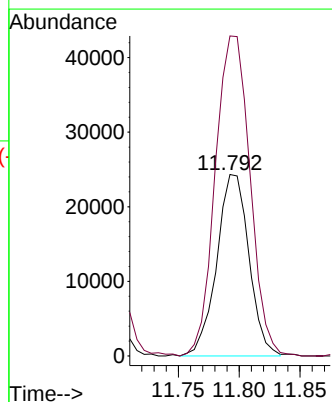
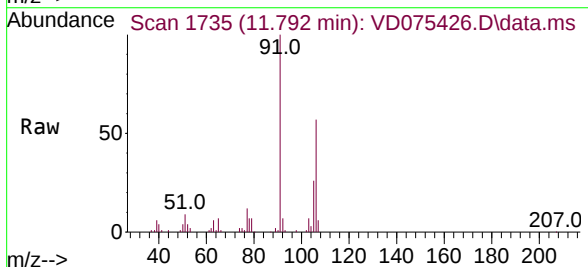
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

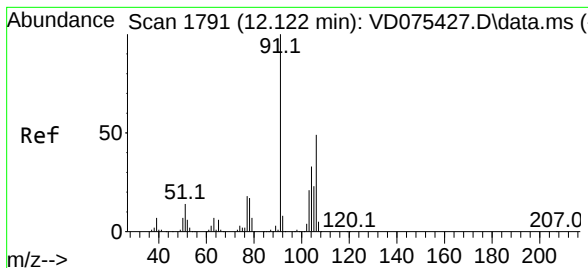
Tgt Ion: 91 Resp: 112510
Ion Ratio Lower Upper
91 100
106 32.6 23.1 42.9



#53
m,p-Xylene
Concen: 4.542 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 106 Resp: 44798
Ion Ratio Lower Upper
106 100
91 176.4 134.1 249.1

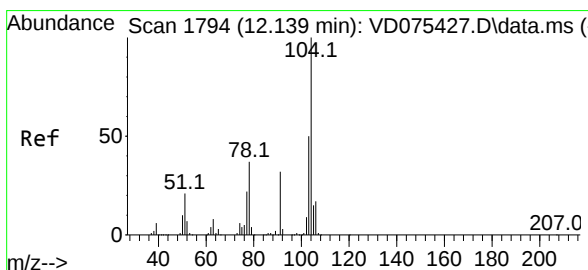
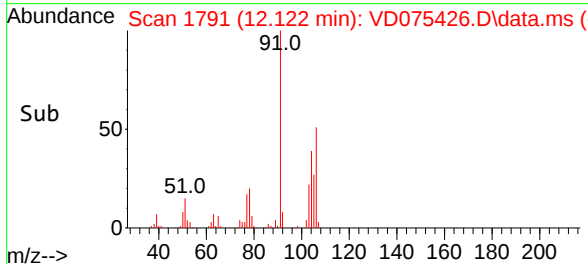
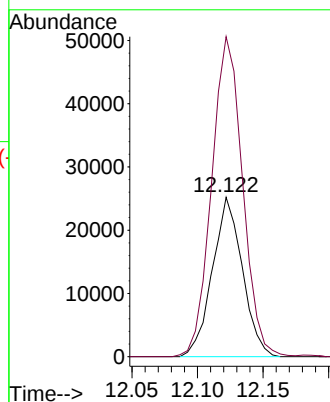
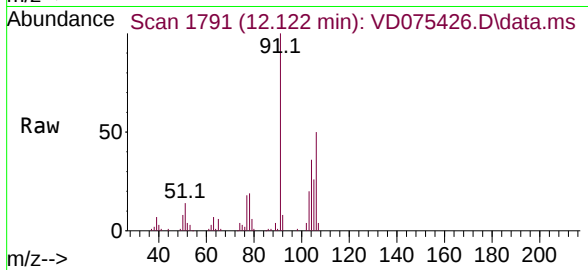




#54
o-Xylene
Concen: 4.296 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

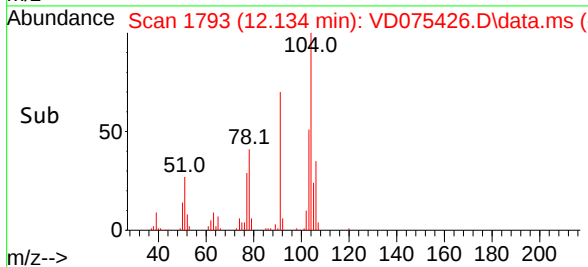
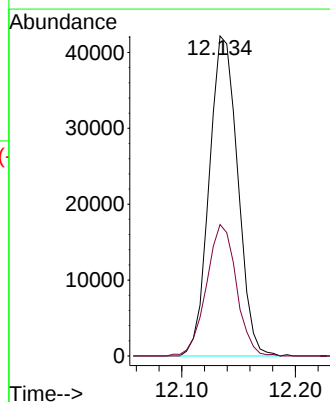
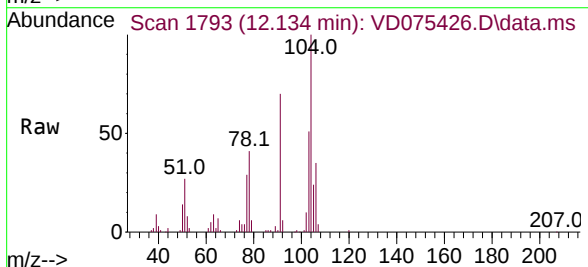
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

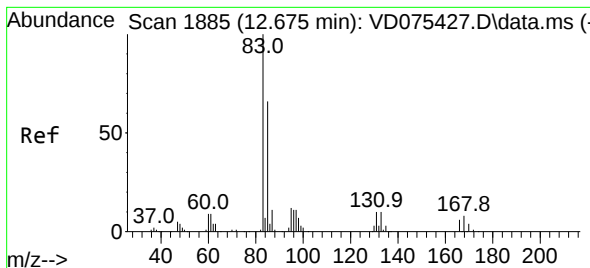
Tgt Ion:106 Resp: 40085
Ion Ratio Lower Upper
106 100
91 200.7 142.3 264.3



#55
Styrene
Concen: 4.443 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion:104 Resp: 73628
Ion Ratio Lower Upper
104 100
78 41.0 26.0 48.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.287 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

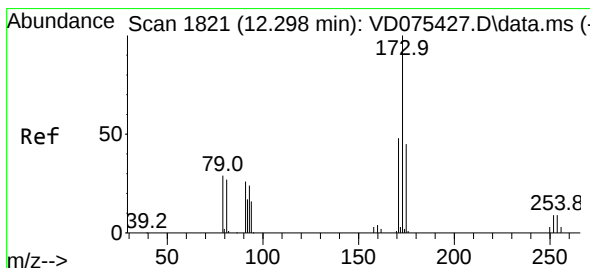
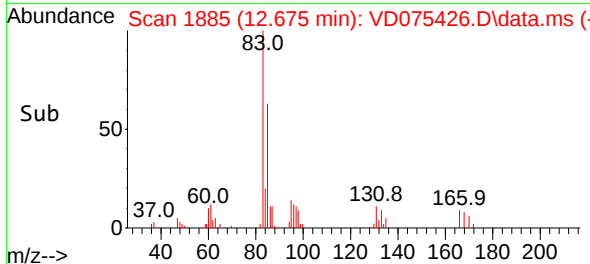
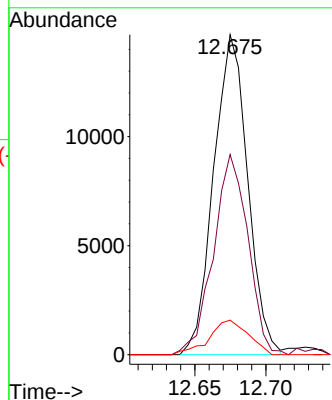
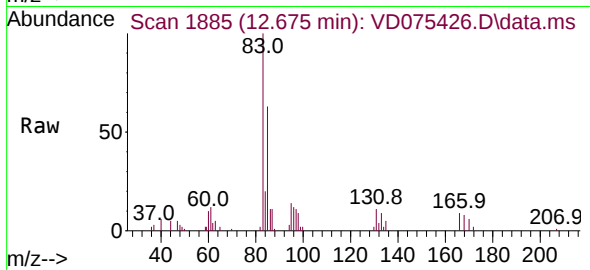
Tgt Ion: 83 Resp: 24421

Ion Ratio Lower Upper

83 100

85 62.6 46.3 85.9

131 10.8 8.1 12.1



#59

Bromoform

Concen: 5.372 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

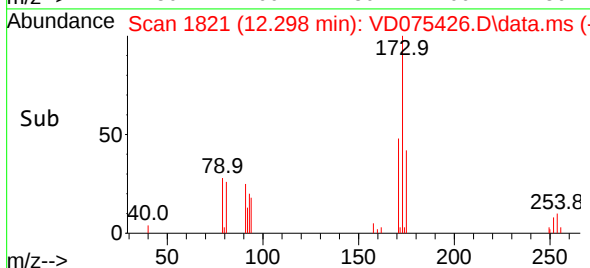
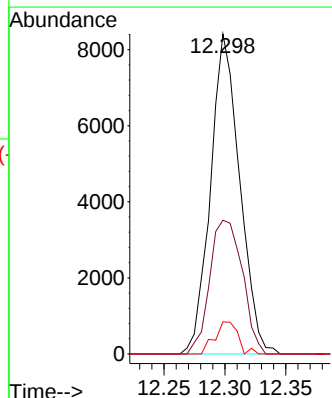
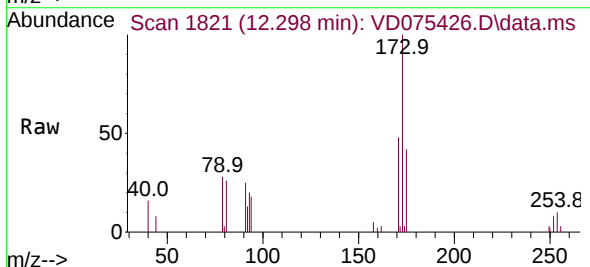
Tgt Ion: 173 Resp: 14049

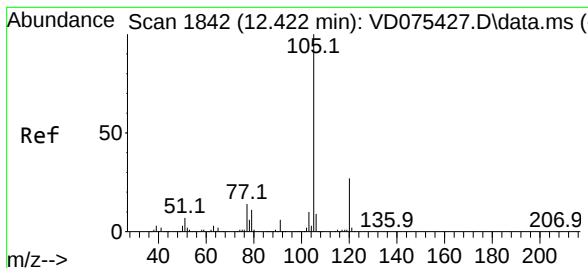
Ion Ratio Lower Upper

173 100

175 46.6 39.3 58.9

254 7.6 7.3 10.9





#60

Isopropylbenzene

Concen: 4.532 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

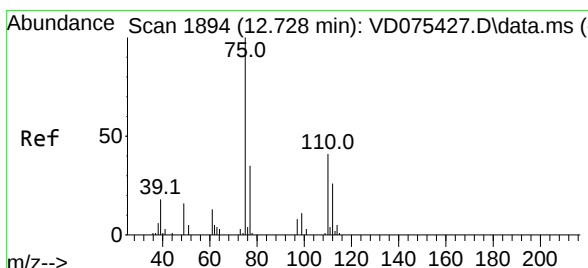
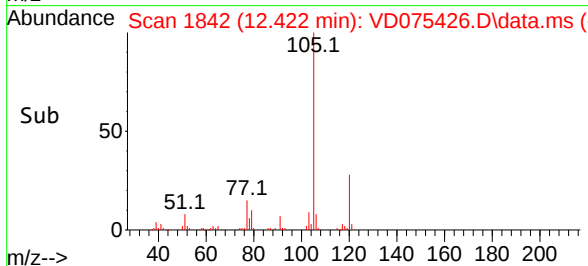
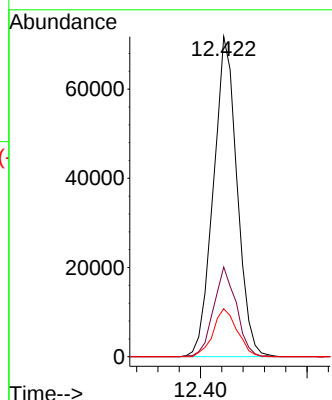
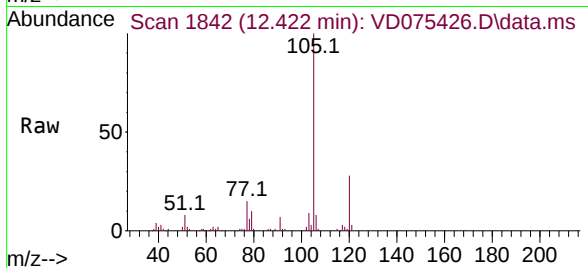
Tgt Ion:105 Resp: 110462

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

77 15.2 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 5.348 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

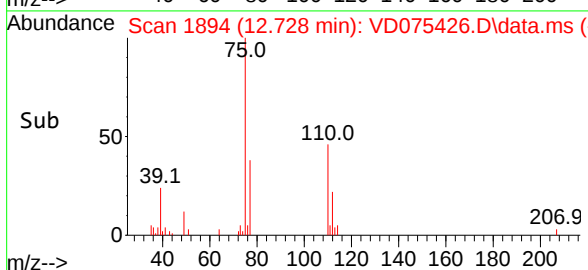
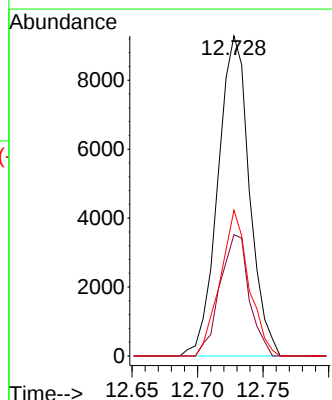
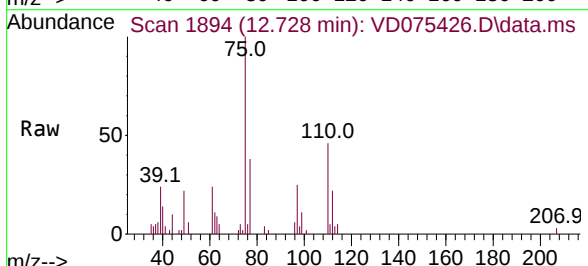
Tgt Ion: 75 Resp: 15537

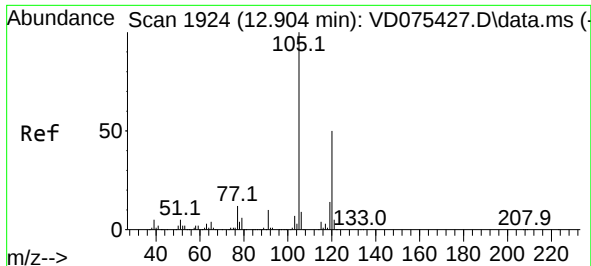
Ion Ratio Lower Upper

75 100

77 35.1 26.2 39.4

110 41.3 33.2 49.8





#62

1,3,5-Trimethylbenzene

Concen: 4.180 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

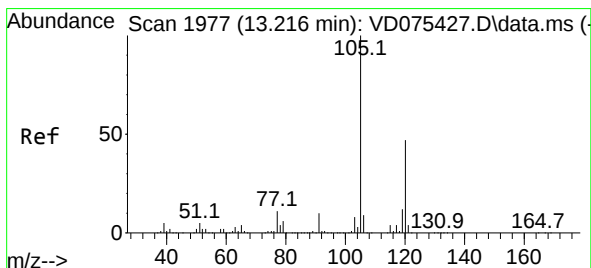
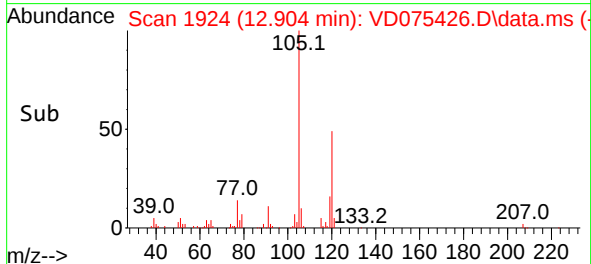
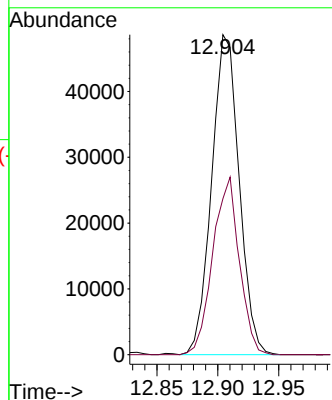
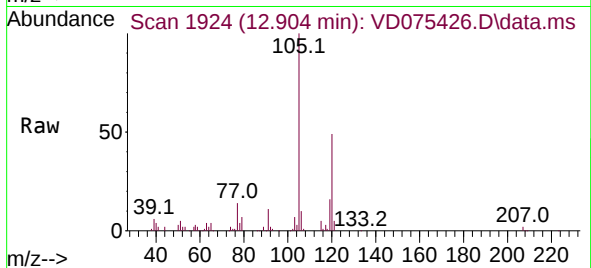
VSTD005112

Tgt Ion:105 Resp: 76477

Ion Ratio Lower Upper

105 100

120 53.4 40.6 60.8



#63

1,2,4-Trimethylbenzene

Concen: 4.229 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075426.D

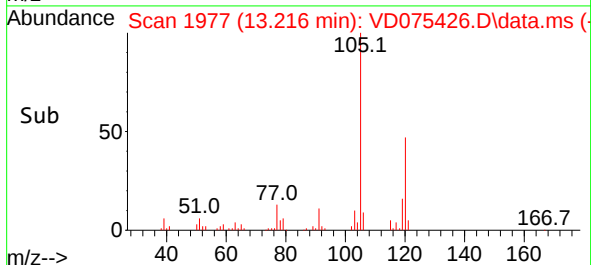
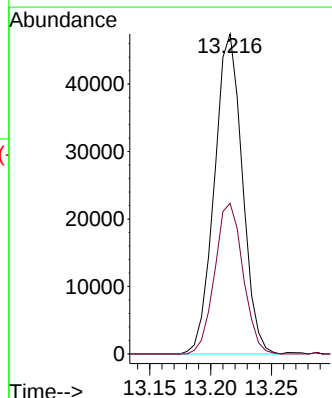
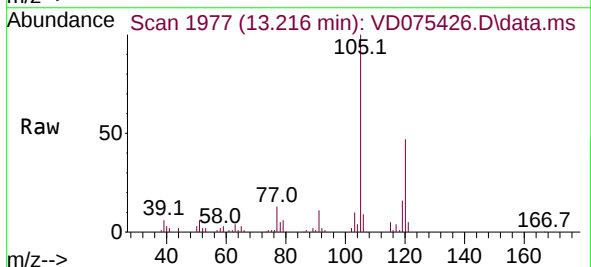
Acq: 01 Mar 2023 14:05

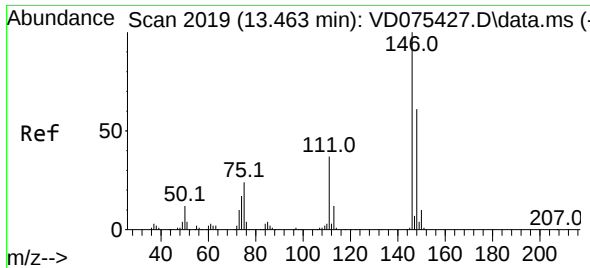
Tgt Ion:105 Resp: 75668

Ion Ratio Lower Upper

105 100

120 47.6 38.2 57.2

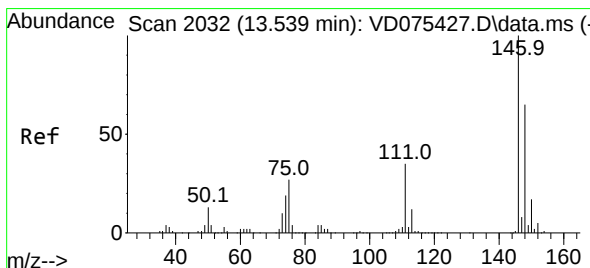
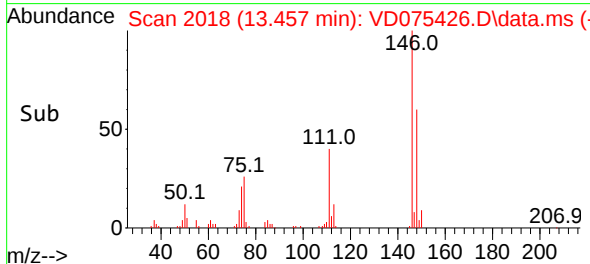
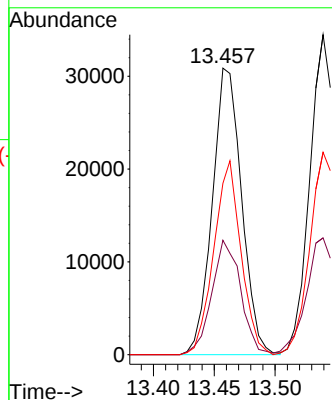
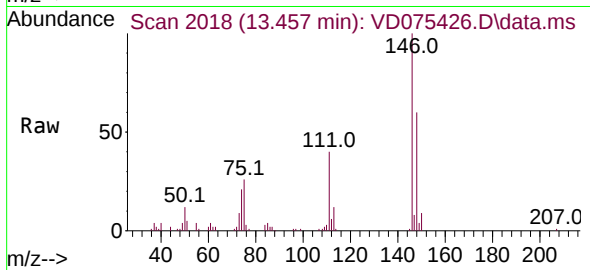




#64
1,3-Dichlorobenzene
Concen: 4.801 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

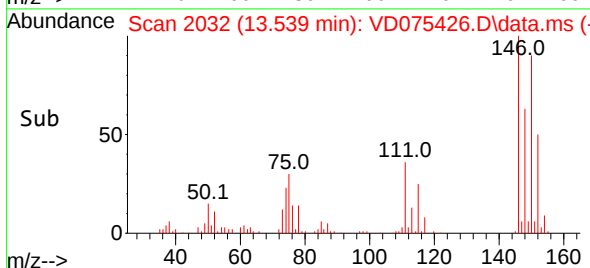
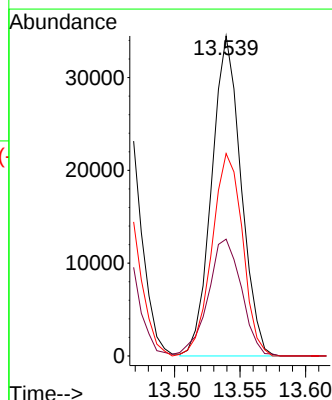
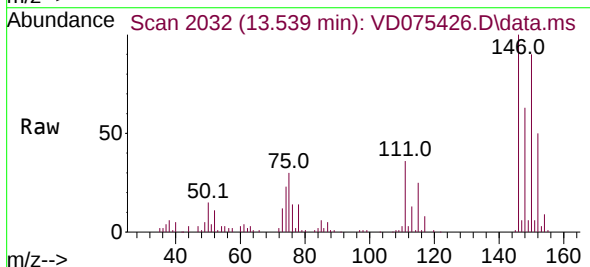
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

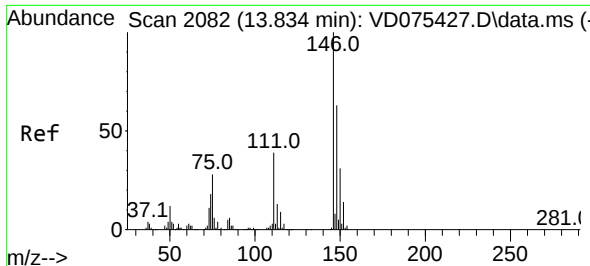
Tgt Ion:146 Resp: 51769
Ion Ratio Lower Upper
146 100
111 39.9 26.0 48.2
148 59.8 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 4.846 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion:146 Resp: 53748
Ion Ratio Lower Upper
146 100
111 36.5 24.8 46.1
148 63.2 45.6 84.6

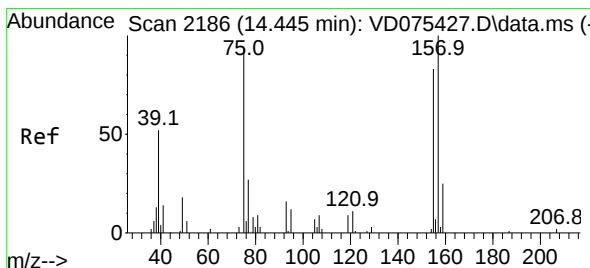
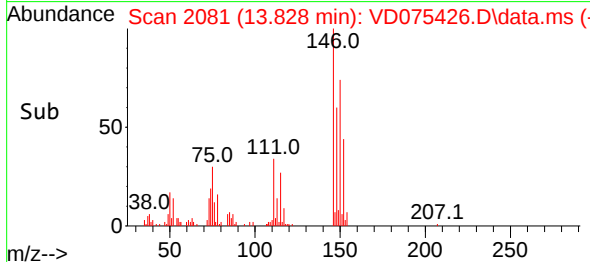
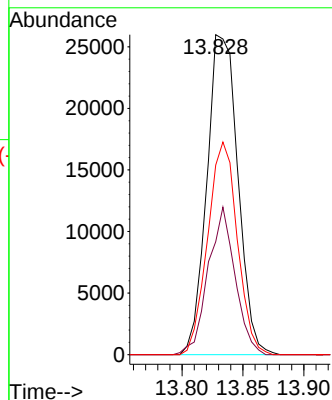
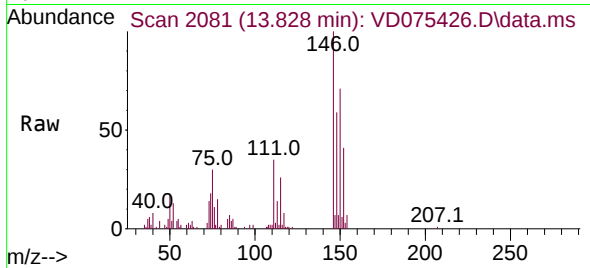




#67
1,2-Dichlorobenzene
Concen: 4.807 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

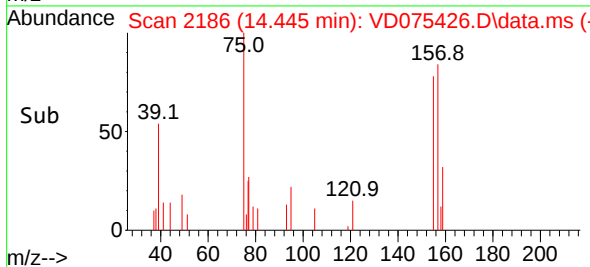
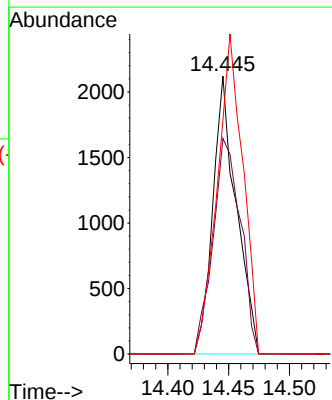
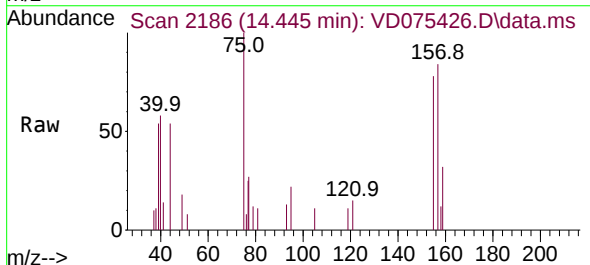
Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

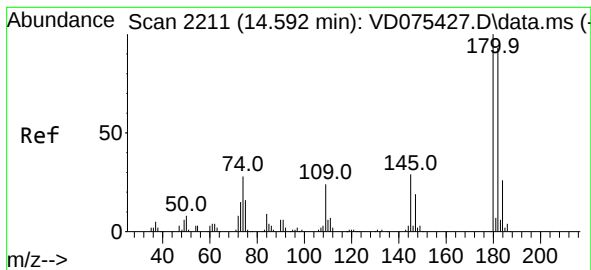
Tgt Ion:146	Resp:	46184
Ion Ratio	Lower	Upper
146	100	
111	35.3	31.0 46.6
148	59.3	50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.023 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. -0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion: 75	Resp:	2834
Ion Ratio	Lower	Upper
75	100	
155	77.6	71.3 106.9
157	84.2	85.8 128.6#





#69

1,3,5-Trichlorobenzene

Concen: 4.706 ug/L

RT: 14.598 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

Instrument :

MSVOA_D

ClientSampleId :

VSTD005112

Tgt Ion:180 Resp: 31821

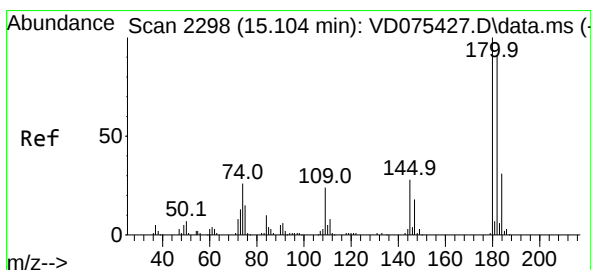
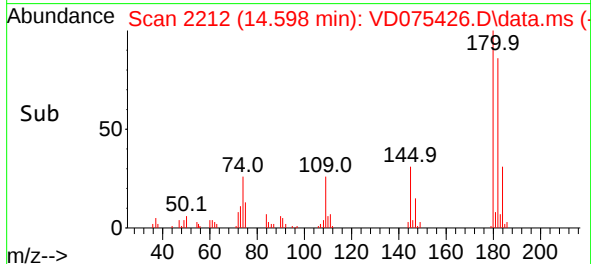
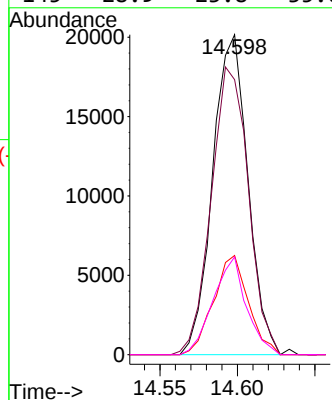
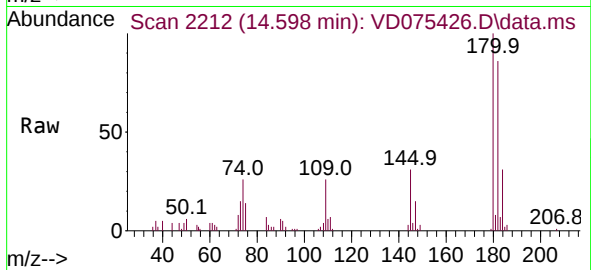
Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

184 30.8 23.6 35.4

145 28.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.554 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075426.D

Acq: 01 Mar 2023 14:05

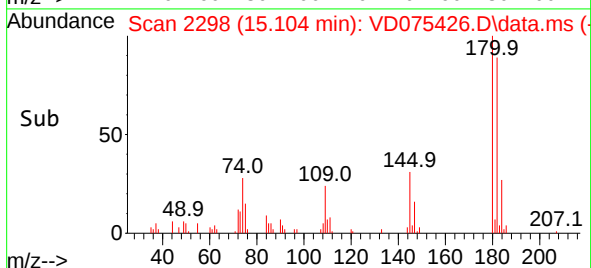
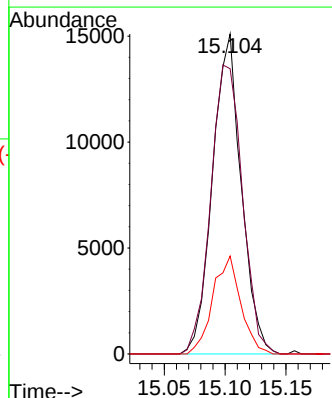
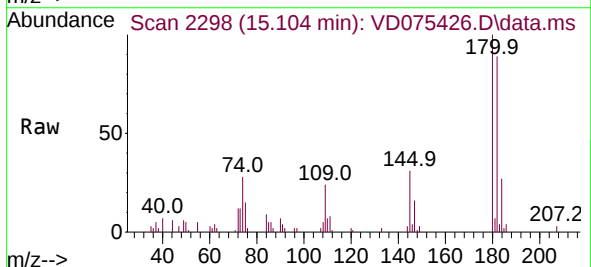
Tgt Ion:180 Resp: 24756

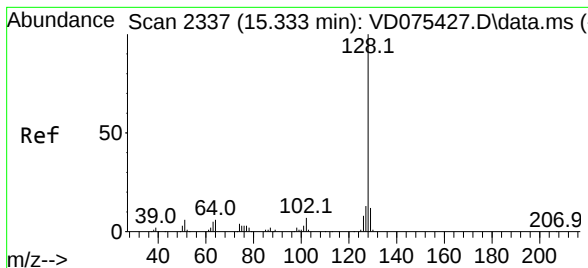
Ion Ratio Lower Upper

180 100

182 99.9 74.3 111.5

145 29.8 23.0 34.6

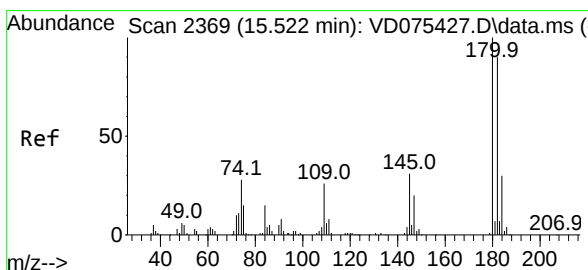
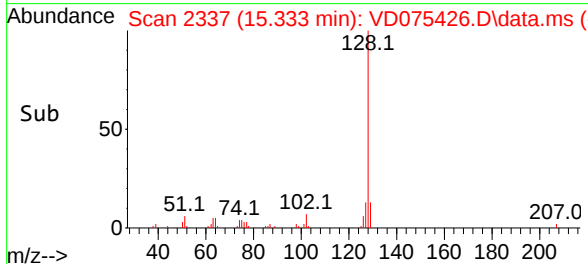
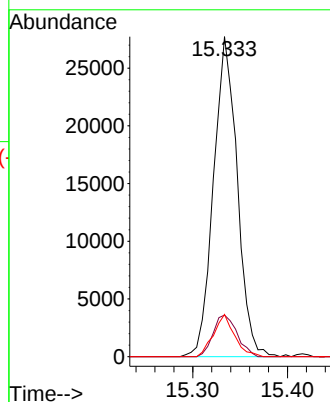
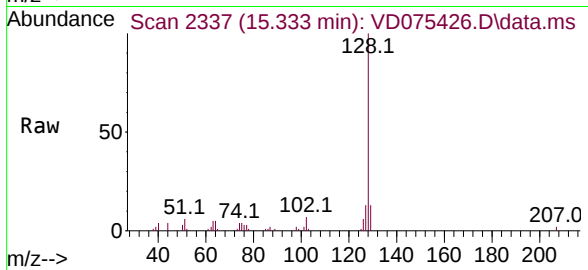




#71
Naphthalene
Concen: 4.468 ug/L
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Instrument :
MSVOA_D
ClientSampleId :
VSTD005112

Tgt Ion:128 Resp: 48175
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 4.711 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD075426.D
Acq: 01 Mar 2023 14:05

Tgt Ion:180 Resp: 22576
Ion Ratio Lower Upper
180 100
182 99.1 75.3 112.9
145 31.8 25.1 37.7

