

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075423.D
 Acq On : 23 Feb 2023 20:03
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025101

Quant Time: Feb 24 00:03:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:55:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	84942	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	76407	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	39469	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	37711	22.409	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.640%
7) Chloroethane-d5	2.805	69	31908	22.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.680%
11) 1,1-Dichloroethene-d2	3.922	63	57036	22.702	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.800%
21) 2-Butanone-d5	6.993	46	11294	45.003	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.000%
24) Chloroform-d	7.569	84	58785	24.008	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.040%
26) 1,2-Dichloroethane-d4	8.234	65	28906	23.866	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.480%
32) Benzene-d6	8.204	84	112014	23.483	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.920%
36) 1,2-Dichloropropane-d6	9.210	67	33192	23.410	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.640%
41) Toluene-d8	10.269	98	102943	23.870	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.480%
43) trans-1,3-Dichloroprop...	10.528	79	13424	23.511	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.040%
47) 2-Hexanone-d5	10.881	63	8617	46.173	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.340%
56) 1,1,2,2-Tetrachloroeth...	12.657	84	24793	24.740	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	30782	22.093	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	37286	22.886	ug/L	97
3) Chloromethane	2.146	50	45465	23.351	ug/L	98
5) Vinyl chloride	2.287	62	49540	22.889	ug/L	99
6) Bromomethane	2.693	94	26260	24.375	ug/L	94
8) Chloroethane	2.840	64	31650	24.005	ug/L	96
9) Trichlorofluoromethane	3.181	101	57517	23.494	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	34520	23.485	ug/L	98
12) 1,1-Dichloroethene	3.946	96	29711	23.482	ug/L	96
13) Acetone	4.028	43	13477	39.619	ug/L	96
14) Carbon disulfide	4.275	76	93545	22.933	ug/L	99
15) Methyl Acetate	4.563	43	14299	27.368	ug/L #	86
16) Methylene chloride	4.805	84	36440	21.453	ug/L	87
17) trans-1,2-Dichloroethene	5.316	96	33143	25.414	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	69464	26.106	ug/L #	89
19) 1,1-Dichloroethane	6.116	63	63300	25.202	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	35714	25.655	ug/L	100
22) 2-Butanone	7.081	43	17476	44.148	ug/L	98
23) Bromochloromethane	7.428	128	15533	25.211	ug/L	84
25) Chloroform	7.599	83	65690	25.487	ug/L	87

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 Response via : Initial Calibration

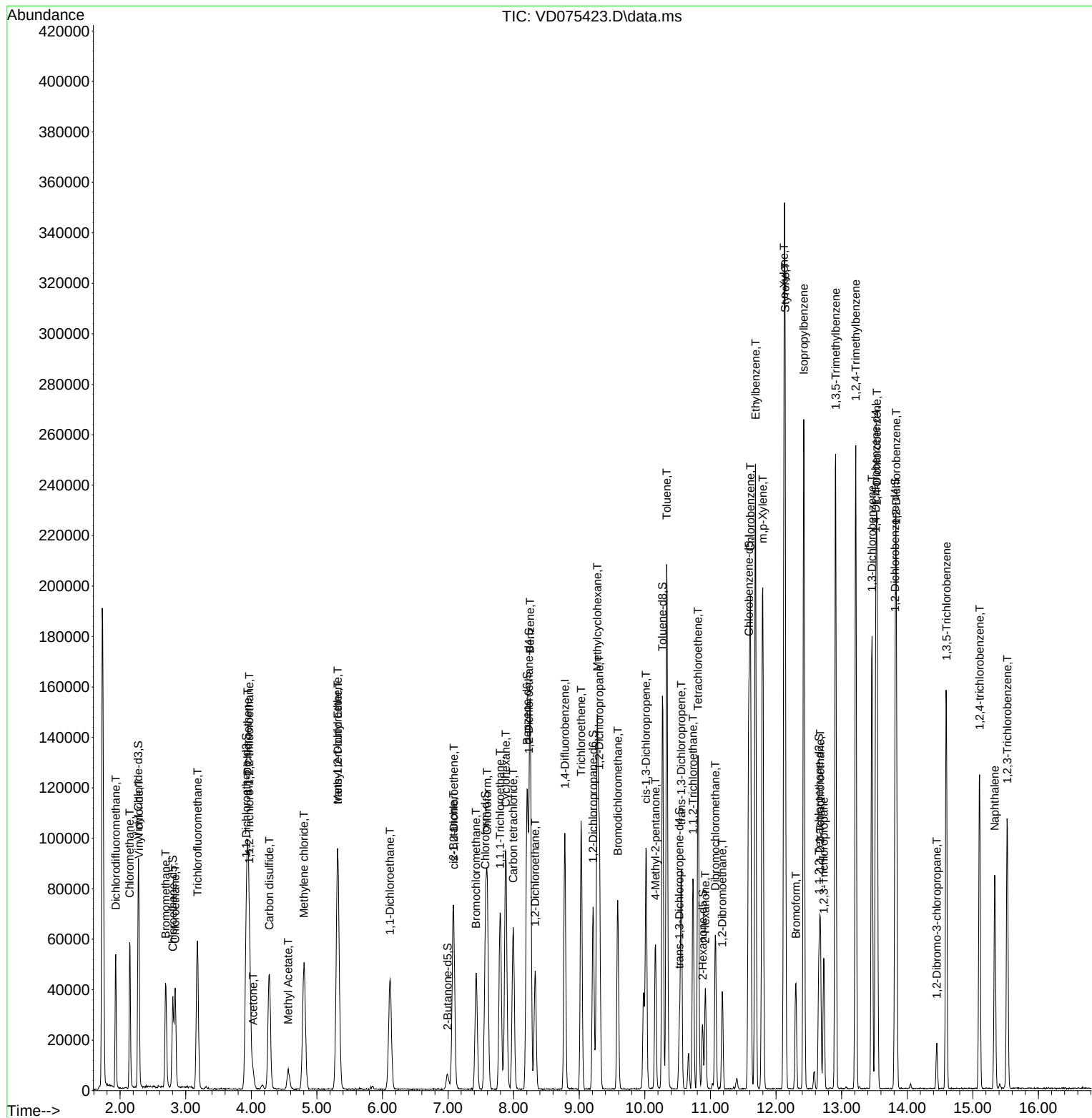
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	41687	25.731	ug/L	97
29) Cyclohexane	7.881	56	49641	23.725	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	56891	24.481	ug/L	99
31) Carbon tetrachloride	7.993	117	47150	23.631	ug/L	98
33) Benzene	8.252	78	137880	25.178	ug/L	100
34) Trichloroethene	9.028	95	35689	24.512	ug/L	95
35) Methylcyclohexane	9.275	83	55462	23.779	ug/L	99
37) 1,2-Dichloropropane	9.304	63	36112	25.300	ug/L	100
38) Bromodichloromethane	9.587	83	46960	25.431	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	52388	25.289	ug/L	89
40) 4-Methyl-2-pentanone	10.163	43	38473	50.162	ug/L	99
42) Toluene	10.334	91	147859	25.487	ug/L	96
44) trans-1,3-Dichloropropene	10.557	75	45118	26.182	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	25661	25.730	ug/L	94
46) Tetrachloroethene	10.810	164	27832	24.228	ug/L	87
48) 2-Hexanone	10.922	43	27095	47.747	ug/L	99
49) Dibromochloromethane	11.075	129	30346	25.883	ug/L	99
50) 1,2-Dibromoethane	11.181	107	23809	25.836	ug/L	98
51) Chlorobenzene	11.610	112	94208	25.605	ug/L	99
52) Ethylbenzene	11.687	91	165950	25.894	ug/L	100
53) m,p-Xylene	11.798	106	61931	25.628	ug/L	90
54) o-Xylene	12.122	106	58768	25.724	ug/L	95
55) Styrene	12.140	104	105270	26.521	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	28816	26.007	ug/L #	97
59) Bromoform	12.304	173	17878	24.480	ug/L	99
60) Isopropylbenzene	12.422	105	165215	24.929	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	19929	25.595	ug/L	98
62) 1,3,5-Trimethylbenzene	12.910	105	131326	25.287	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	129835	25.934	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	71653	24.839	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	72122	24.496	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	62238	24.611	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	4215	24.027	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.598	180	46448	24.427	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	37001	24.187	ug/L	99
71) Naphthalene	15.333	128	70551	25.509	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	33592	25.463	ug/L	99

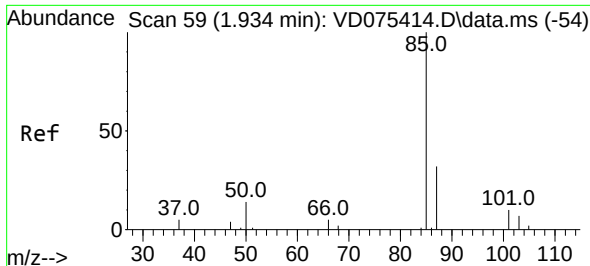
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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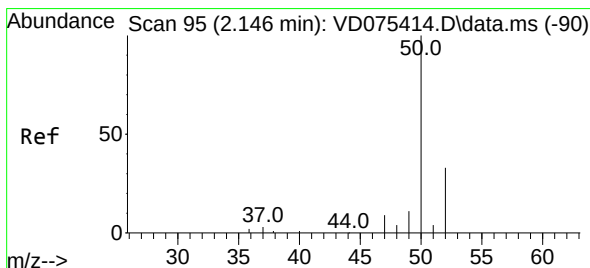
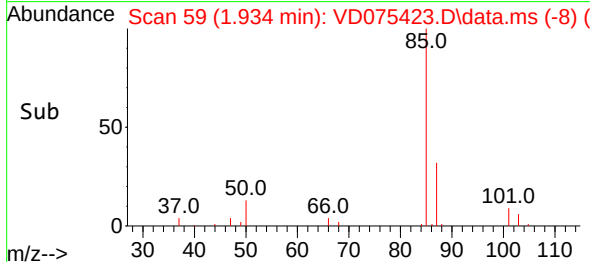
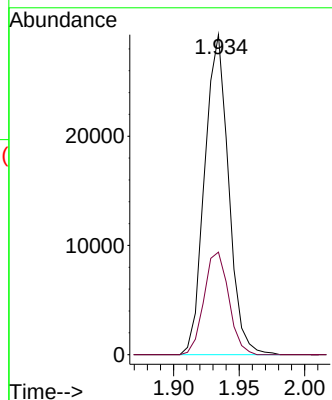
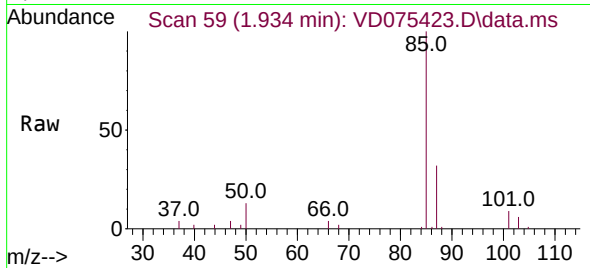




#2
 Dichlorodifluoromethane
 Concen: 22.886 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

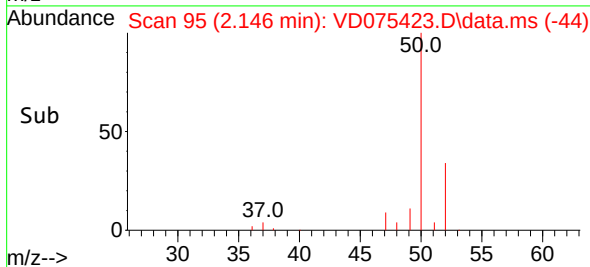
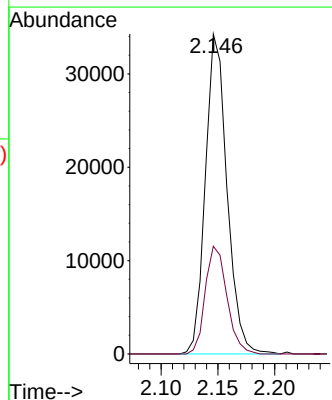
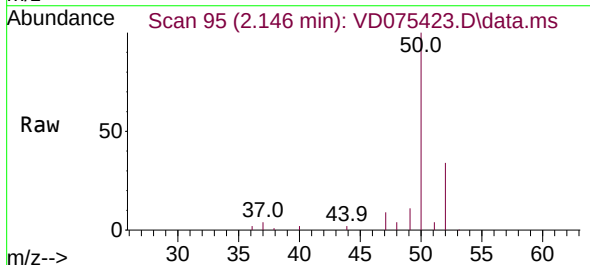
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025101

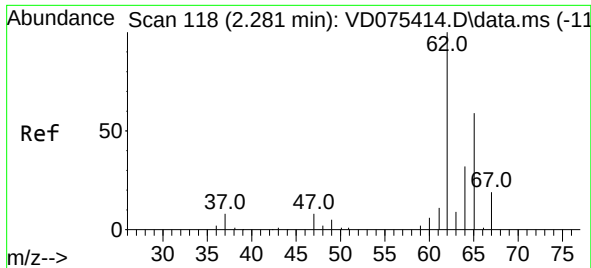
Tgt Ion: 85 Resp: 37286
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.1 37.7



#3
 Chloromethane
 Concen: 23.351 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

Tgt Ion: 50 Resp: 45465
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.8 42.4

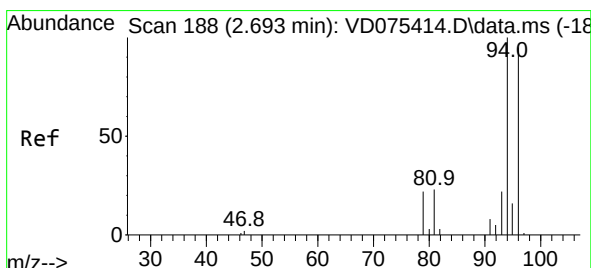
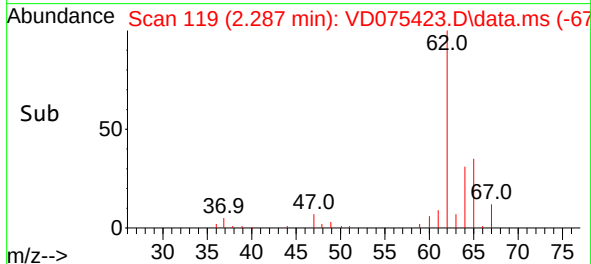
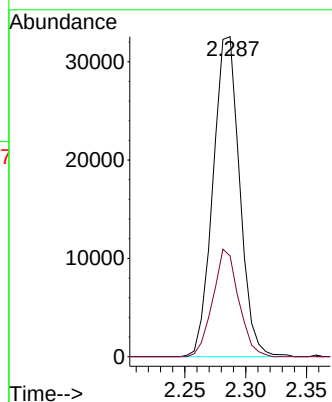
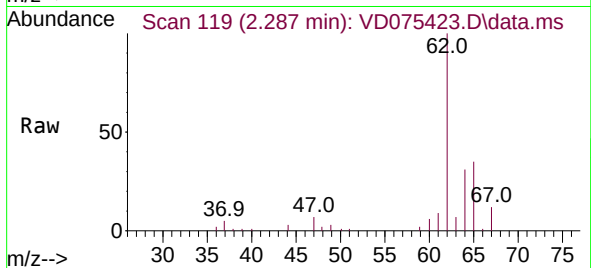




#5
 Vinyl chloride
 Concen: 22.889 ug/L
 RT: 2.287 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

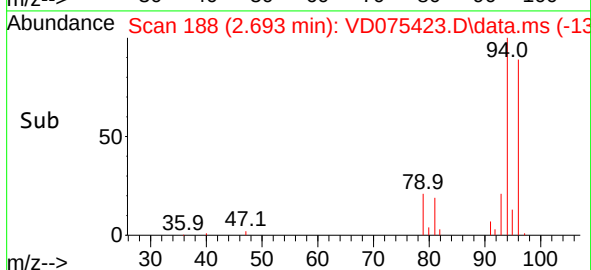
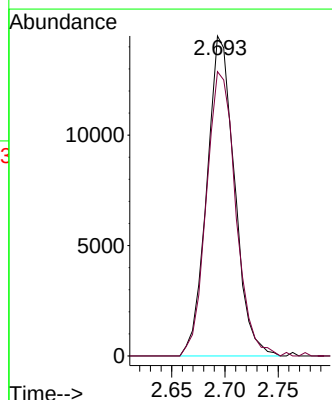
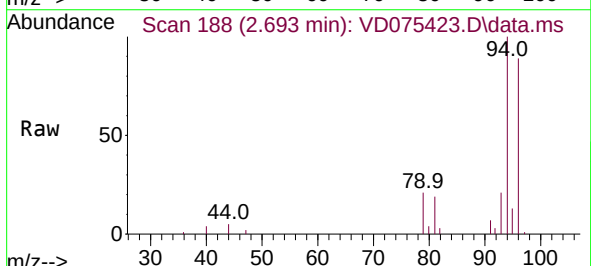
Instrument :
 MSVOA_D
 ClientSampleId :
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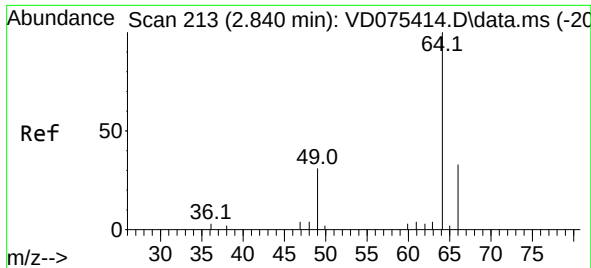
Tgt Ion: 62 Resp: 49540
 Ion Ratio Lower Upper
 62 100
 64 31.4 22.4 41.6



#6
 Bromomethane
 Concen: 24.375 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

Tgt Ion: 94 Resp: 26260
 Ion Ratio Lower Upper
 94 100
 96 88.8 66.4 123.4

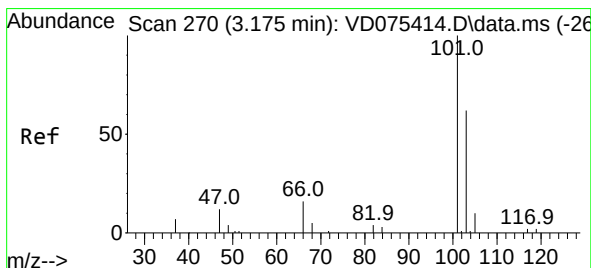
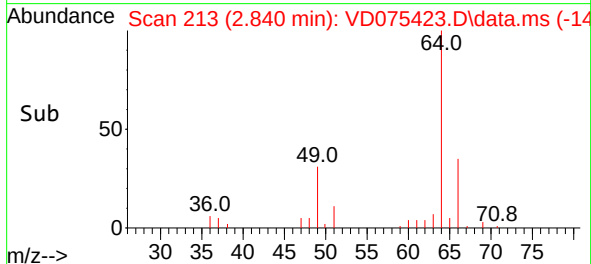
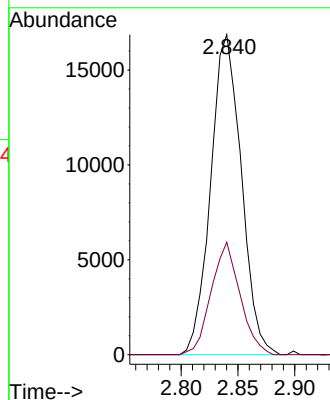
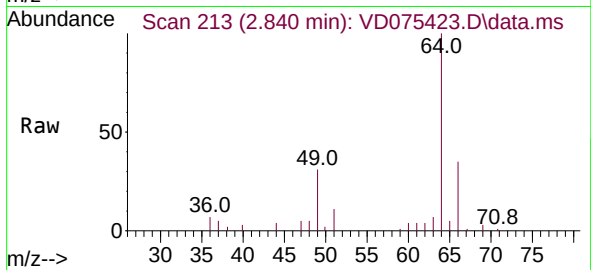




#8
Chloroethane
Concen: 24.005 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

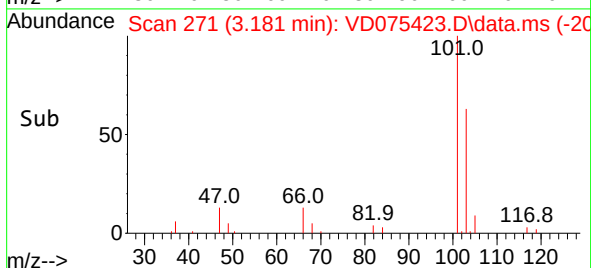
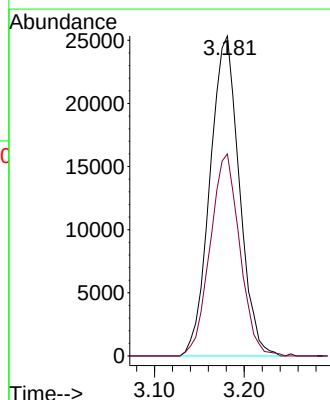
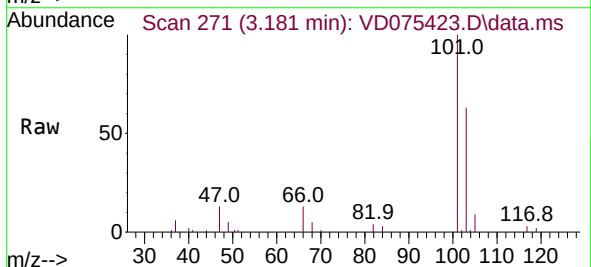
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

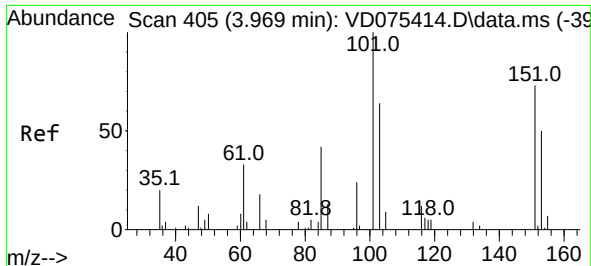
Tgt Ion: 64 Resp: 31650
Ion Ratio Lower Upper
64 100
66 35.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 23.494 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion:101 Resp: 57517
Ion Ratio Lower Upper
101 100
103 63.7 50.2 75.2





#10

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

Concen: 23.485 ug/L

RT: 3.969 min Scan# 405

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

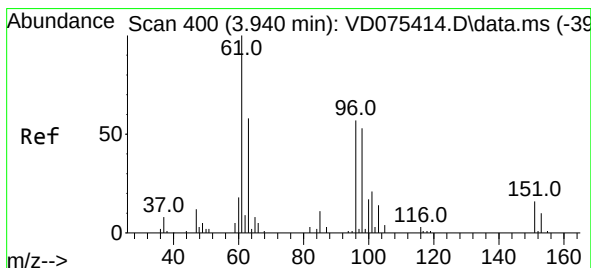
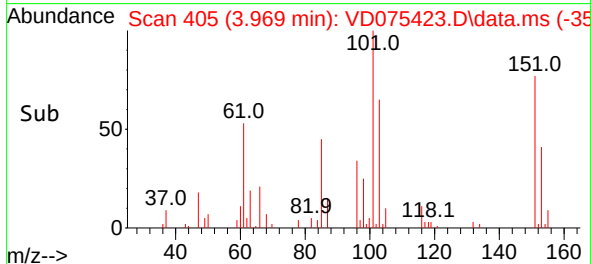
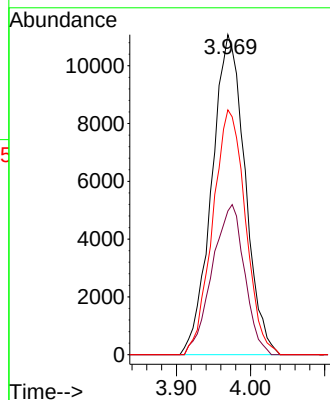
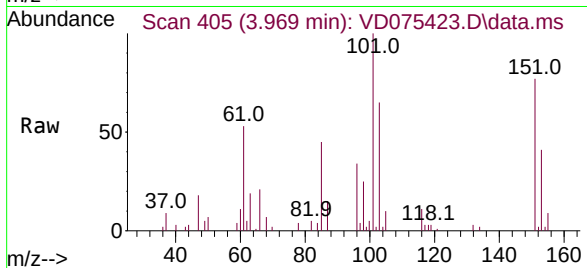
Tgt Ion:101 Resp: 34520

Ion Ratio Lower Upper

101 100

85 45.6 36.7 55.1

151 75.3 58.2 87.2



#12

1,1-Dichloroethene

Concen: 23.482 ug/L

RT: 3.946 min Scan# 401

Delta R.T. 0.006 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

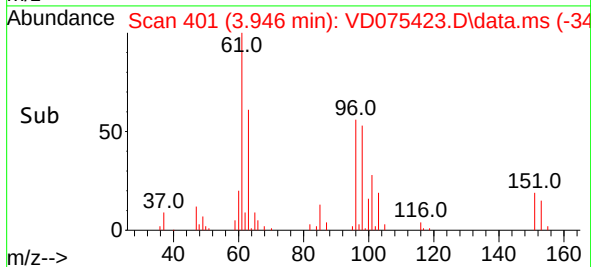
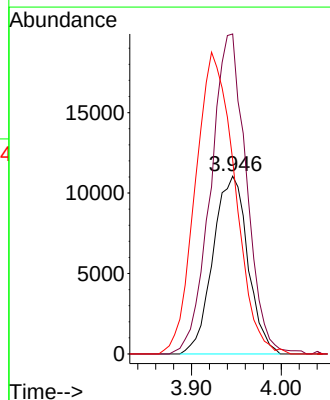
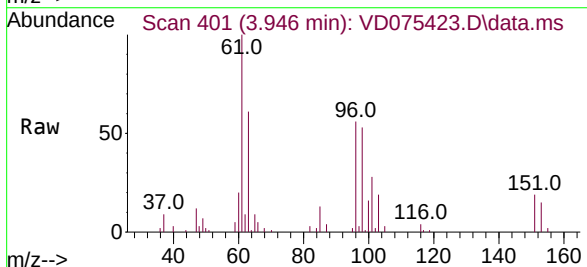
Tgt Ion: 96 Resp: 29711

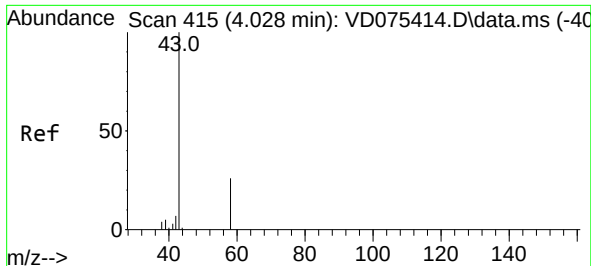
Ion Ratio Lower Upper

96 100

61 180.1 123.8 229.8

63 109.1 81.3 150.9





#13

Acetone

Concen: 39.619 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

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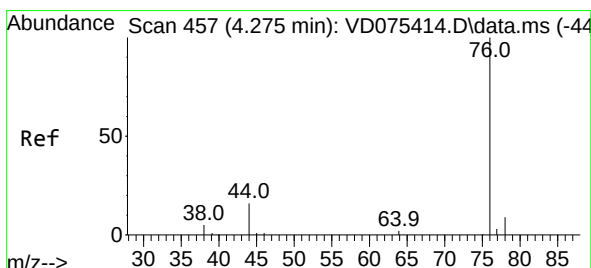
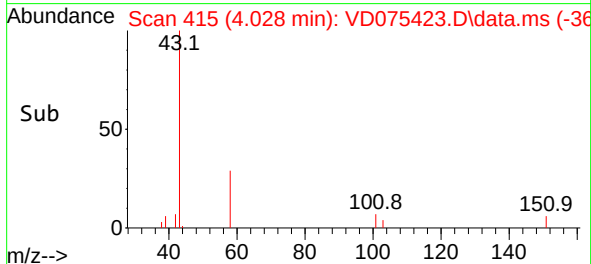
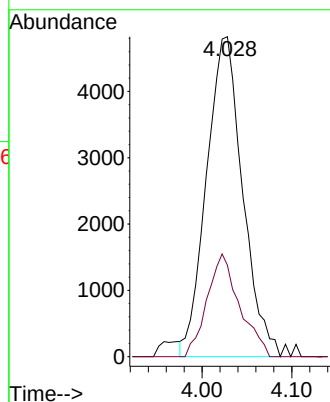
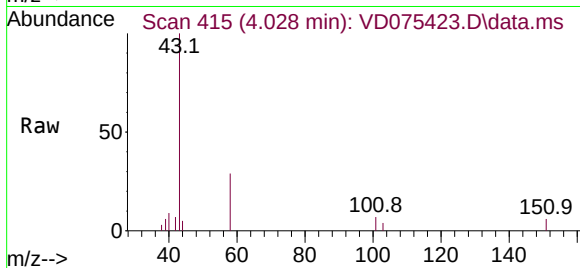
VSTD025101

Tgt Ion: 43 Resp: 13477

Ion Ratio Lower Upper

43 100

58 28.8 0.0 53.8



#14

Carbon disulfide

Concen: 22.933 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075423.D

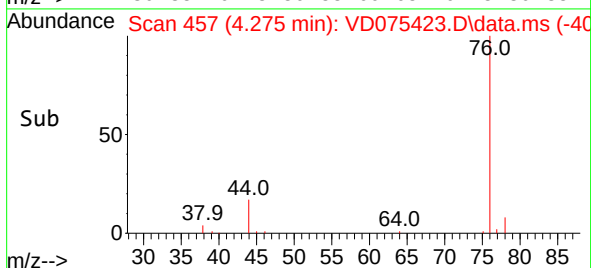
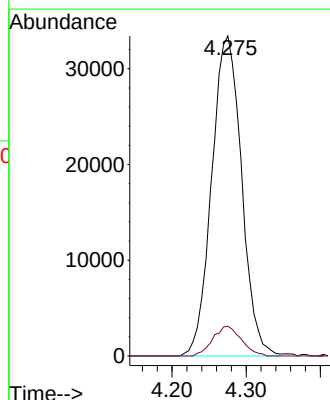
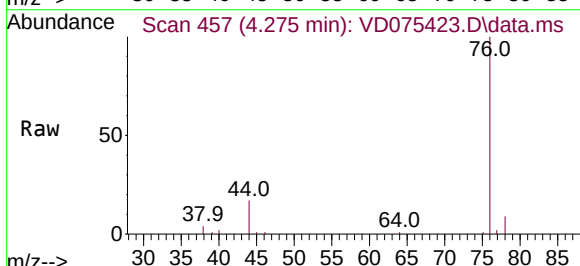
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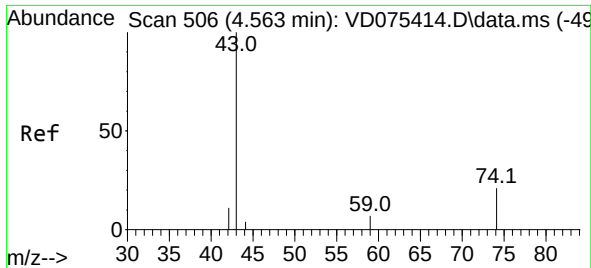
Tgt Ion: 76 Resp: 93545

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

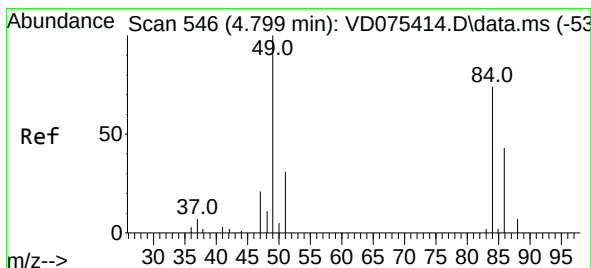
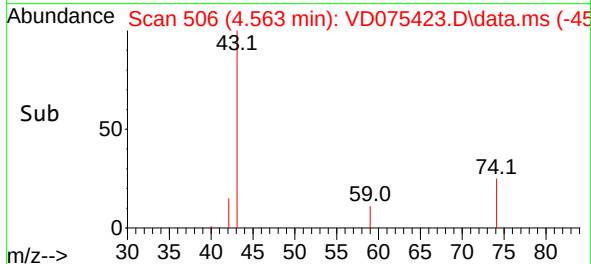
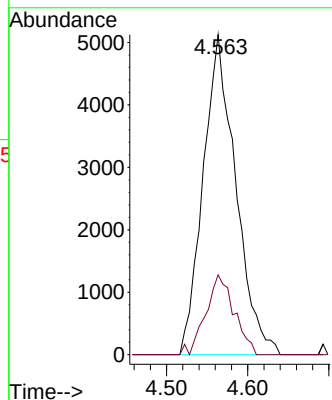
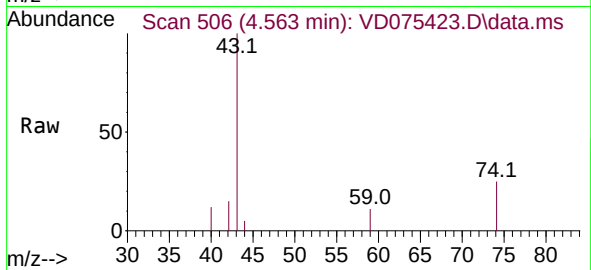




#15
Methyl Acetate
Concen: 27.368 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

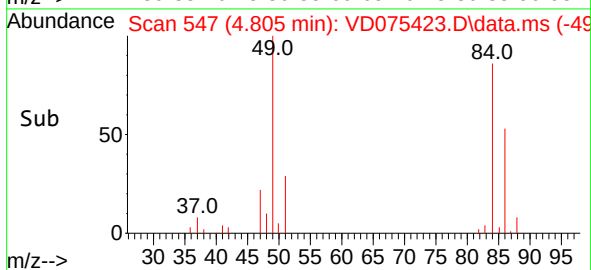
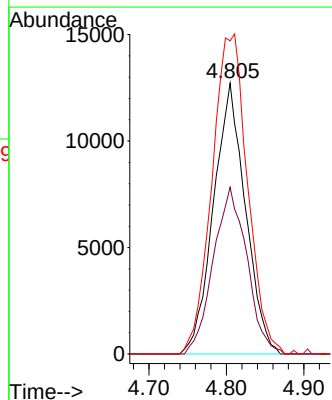
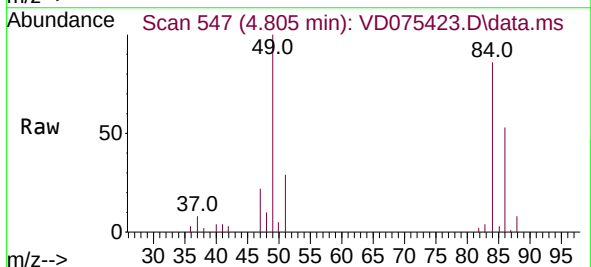
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

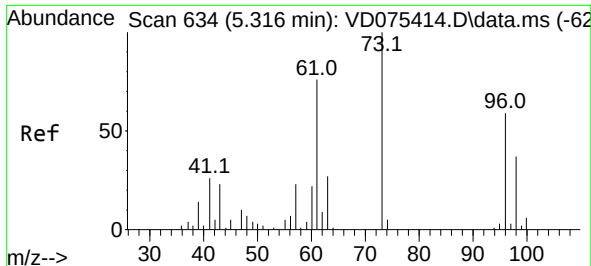
Tgt Ion: 43 Resp: 14299
Ion Ratio Lower Upper
43 100
74 21.3 12.4 18.6#



#16
Methylene chloride
Concen: 21.453 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 84 Resp: 36440
Ion Ratio Lower Upper
84 100
86 61.6 41.0 76.2
49 115.6 95.2 176.8

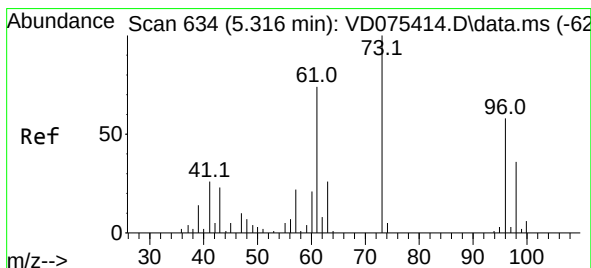
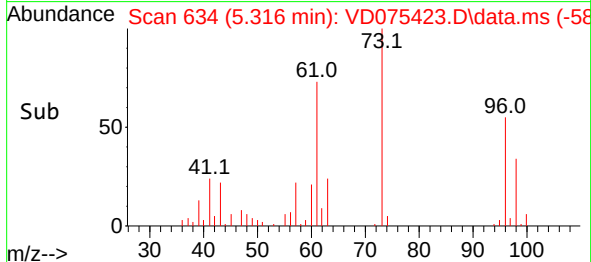
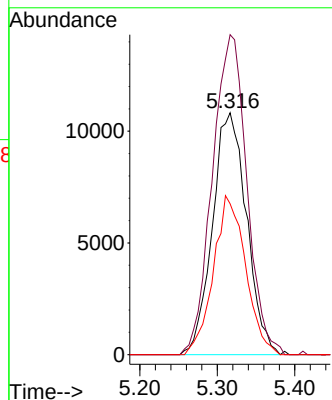
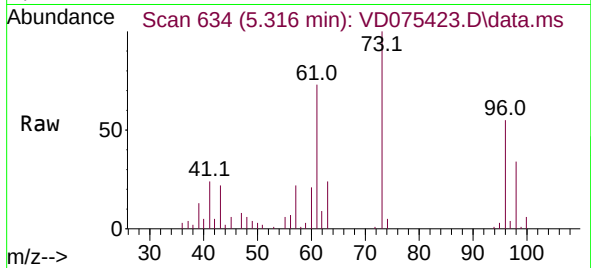




#17
trans-1,2-Dichloroethene
Concen: 25.414 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

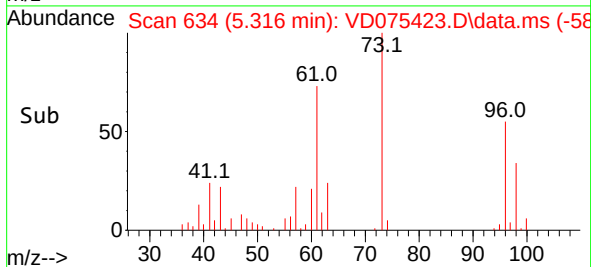
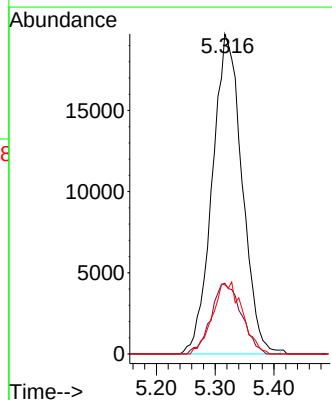
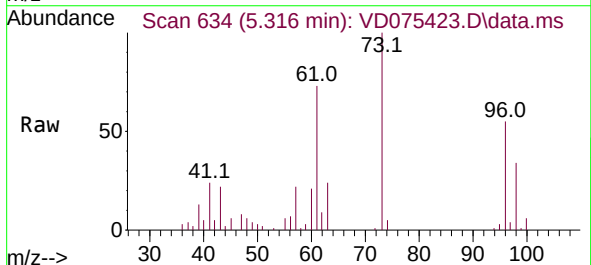
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

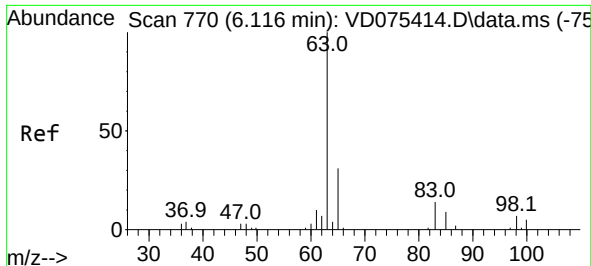
Tgt Ion: 96 Resp: 33143
Ion Ratio Lower Upper
96 100
61 132.2 90.2 167.4
98 62.3 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 26.106 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 73 Resp: 69464
Ion Ratio Lower Upper
73 100
43 22.5 17.8 26.6
57 12.6 18.0 27.0#





#19

1,1-Dichloroethane

Concen: 25.202 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

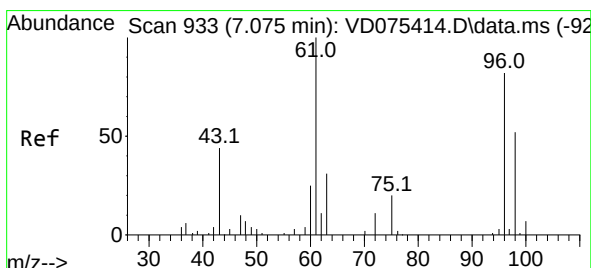
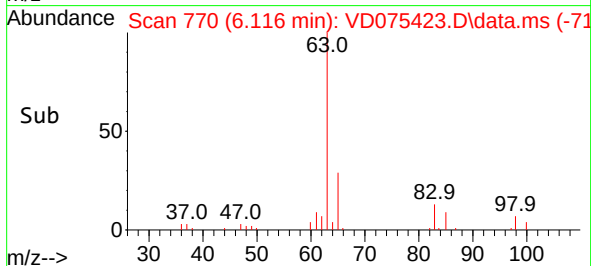
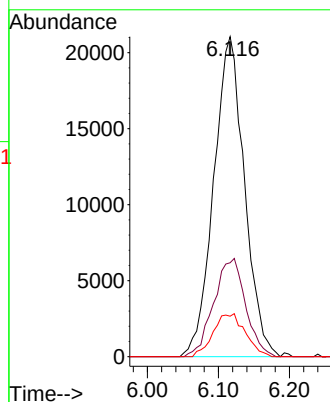
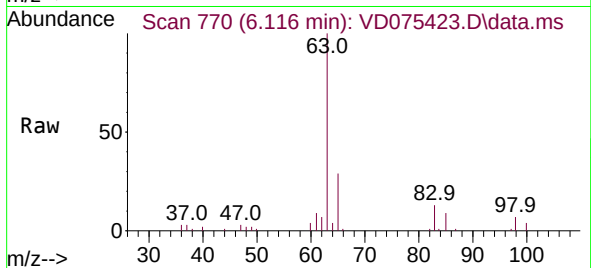
Tgt Ion: 63 Resp: 63300

Ion Ratio Lower Upper

63 100

65 29.4 21.8 40.4

83 13.5 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 25.655 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.012 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

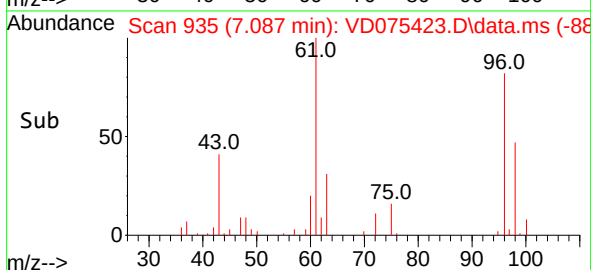
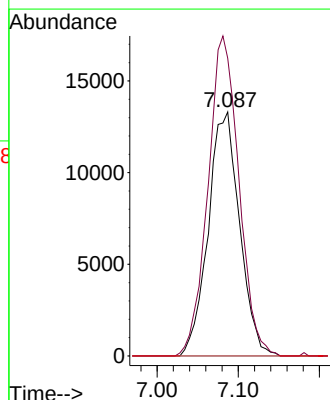
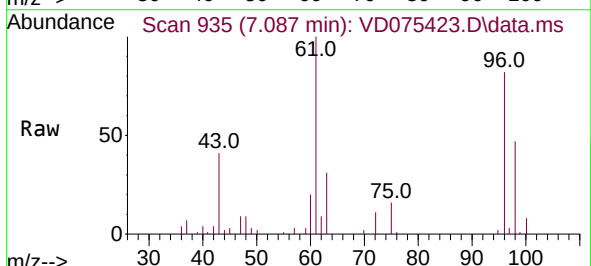
Tgt Ion: 96 Resp: 35714

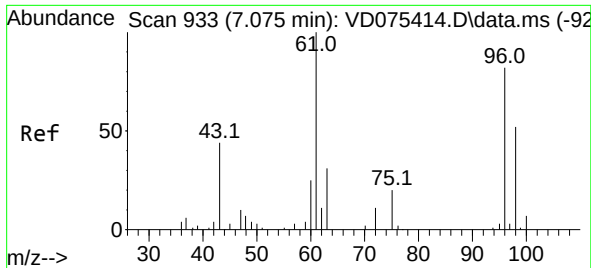
Ion Ratio Lower Upper

96 100

61 122.0 85.3 158.5

68 0.0 0.0 0.0

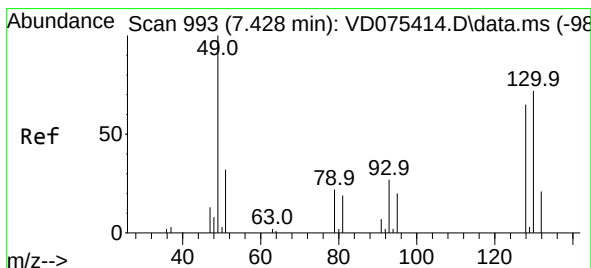
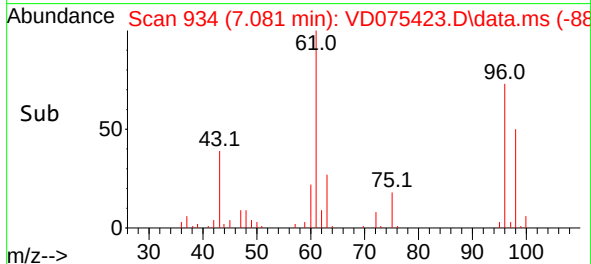
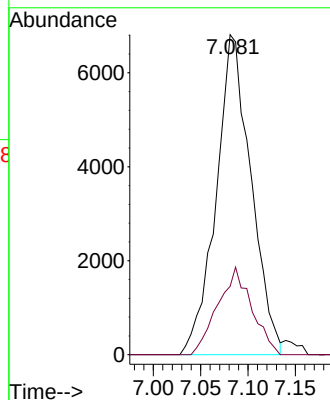
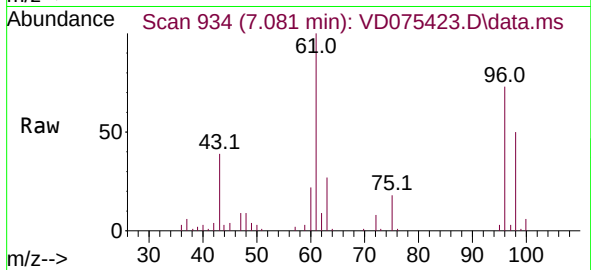




#22
2-Butanone
Concen: 44.148 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

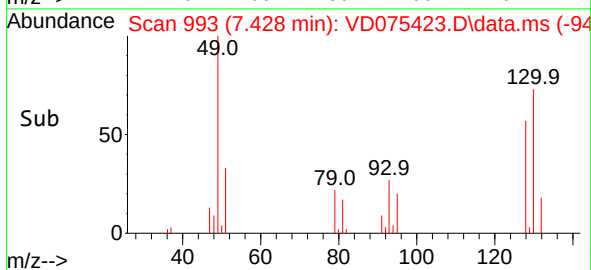
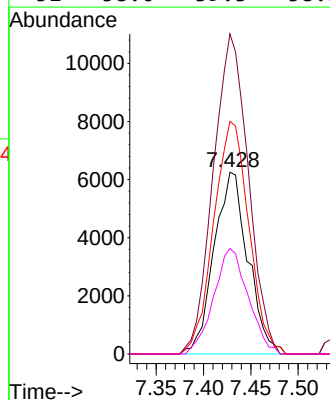
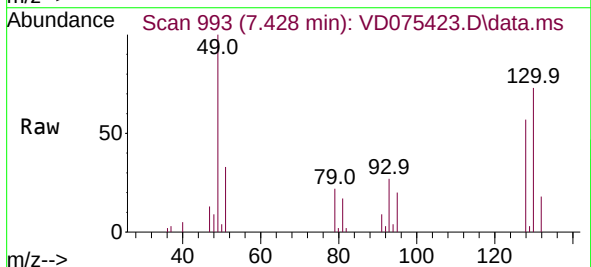
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

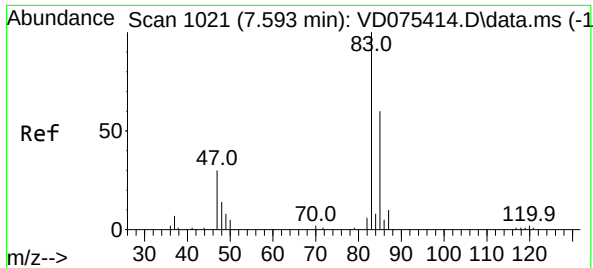
Tgt Ion: 43 Resp: 17476
Ion Ratio Lower Upper
43 100
72 26.5 12.8 38.3



#23
Bromochloromethane
Concen: 25.211 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 128 Resp: 15533
Ion Ratio Lower Upper
128 100
49 176.1 108.4 201.2
130 128.0 77.9 144.7
51 58.0 39.3 58.9





#25

Chloroform

Concen: 25.487 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

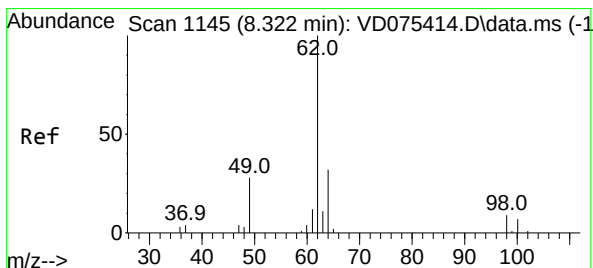
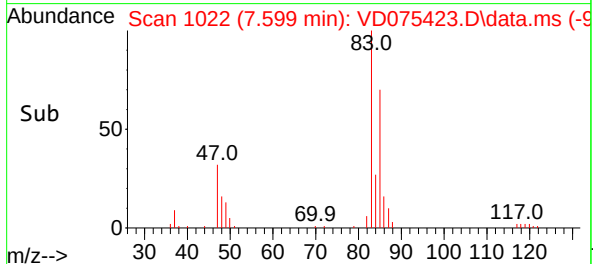
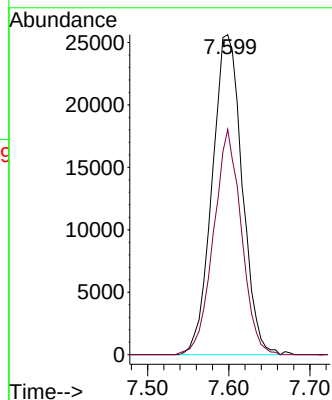
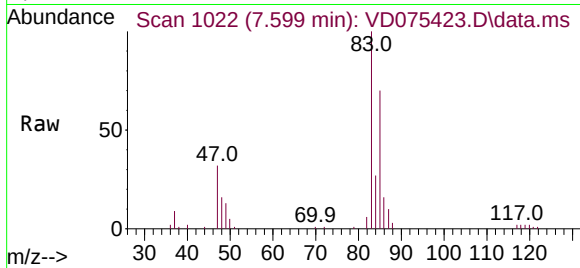
VSTD025101

Tgt Ion: 83 Resp: 65690

Ion Ratio Lower Upper

83 100

85 70.4 42.1 78.3



#27

1,2-Dichloroethane

Concen: 25.731 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075423.D

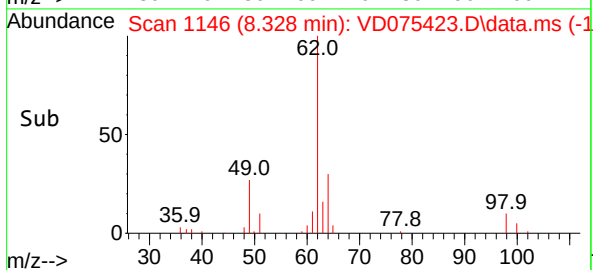
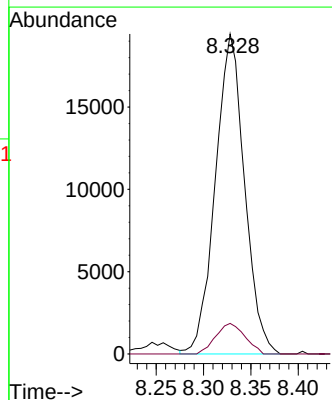
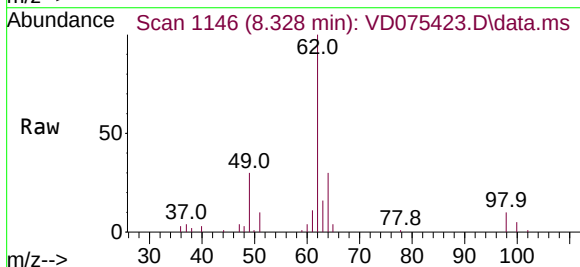
Acq: 23 Feb 2023 20:03

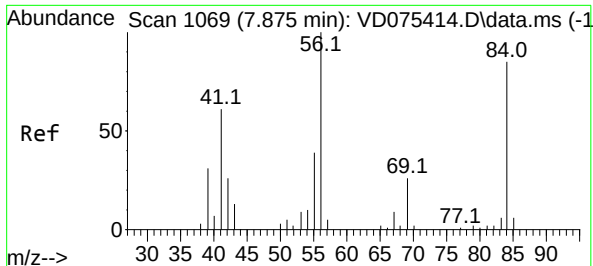
Tgt Ion: 62 Resp: 41687

Ion Ratio Lower Upper

62 100

98 9.6 6.8 10.2





#29

Cyclohexane

Concen: 23.725 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

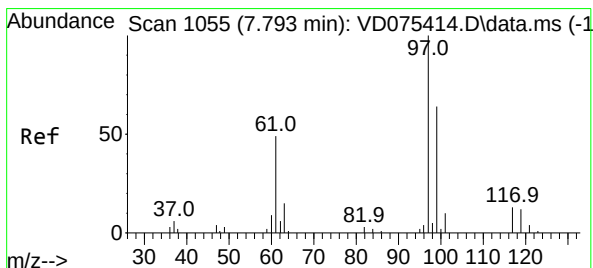
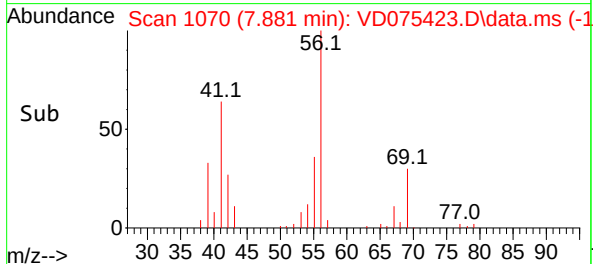
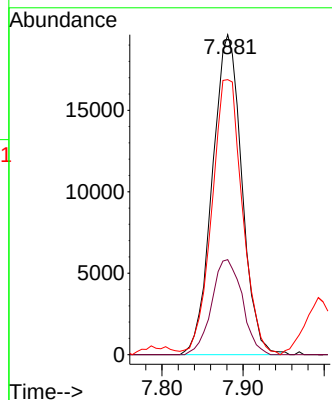
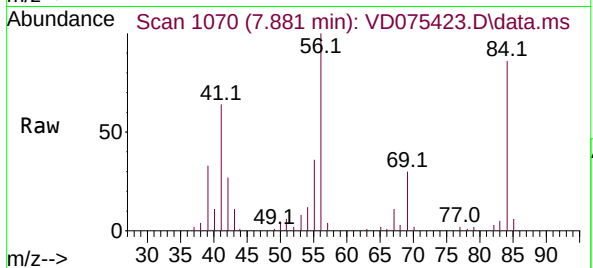
Tgt Ion: 56 Resp: 49641

Ion Ratio Lower Upper

56 100

69 30.7 23.2 34.8

84 89.0 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 24.481 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

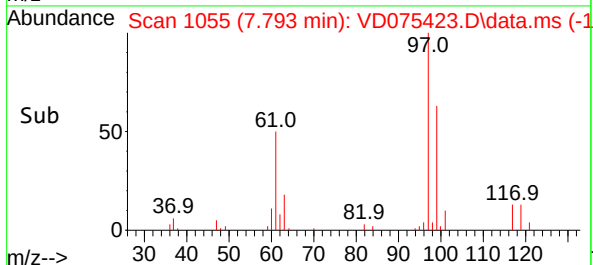
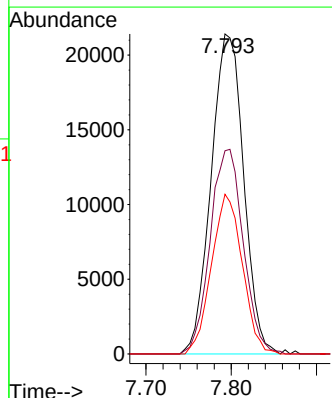
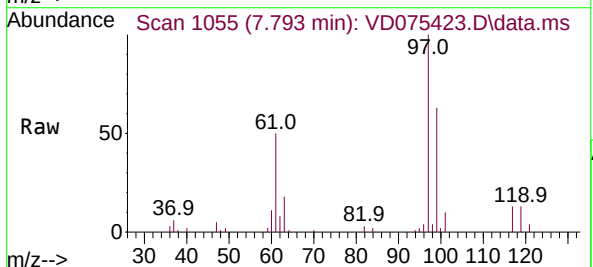
Tgt Ion: 97 Resp: 56891

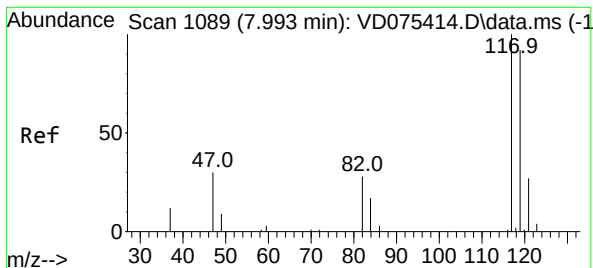
Ion Ratio Lower Upper

97 100

99 64.9 52.6 78.8

61 47.4 37.8 56.8





#31

Carbon tetrachloride

Concen: 23.631 ug/L

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

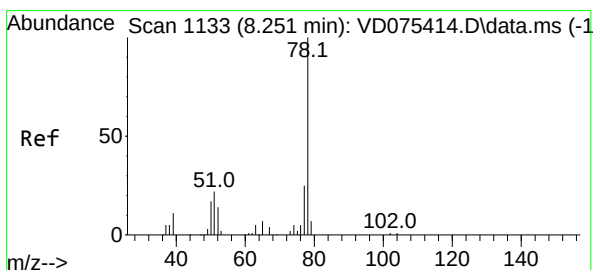
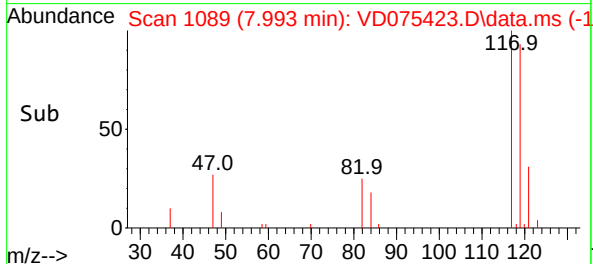
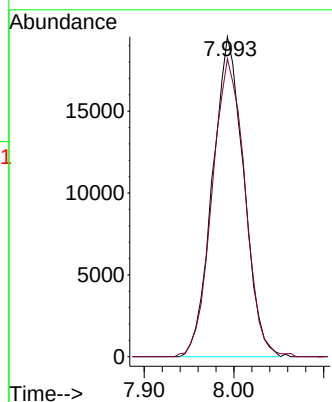
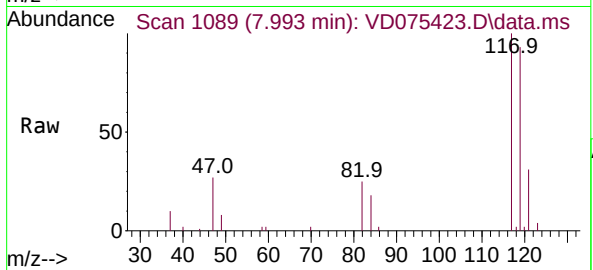
VSTD025101

Tgt Ion:117 Resp: 47150

Ion Ratio Lower Upper

117 100

119 97.5 76.2 114.2



#33

Benzene

Concen: 25.178 ug/L

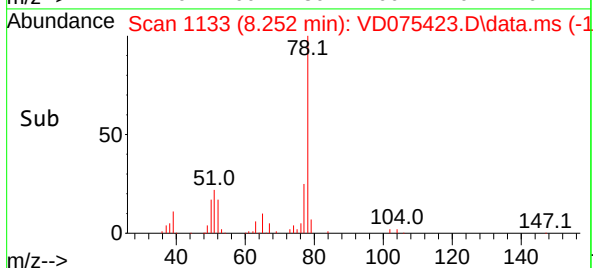
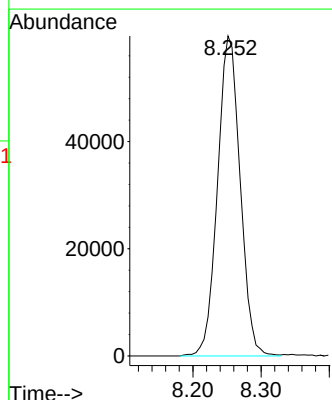
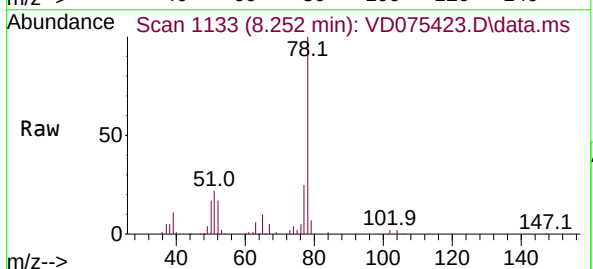
RT: 8.252 min Scan# 1133

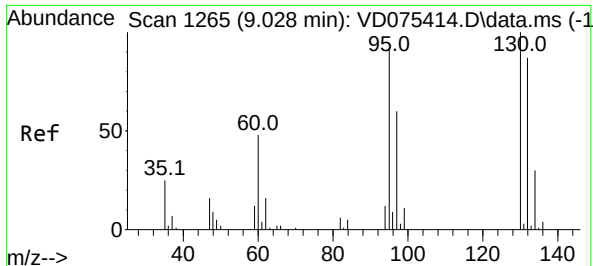
Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Tgt Ion: 78 Resp: 137880

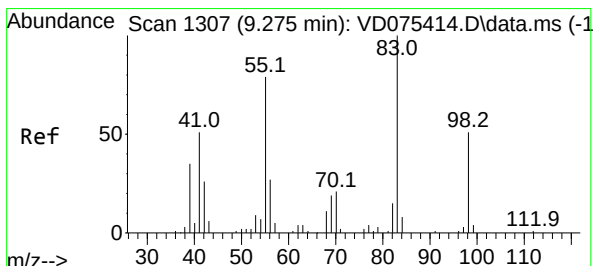
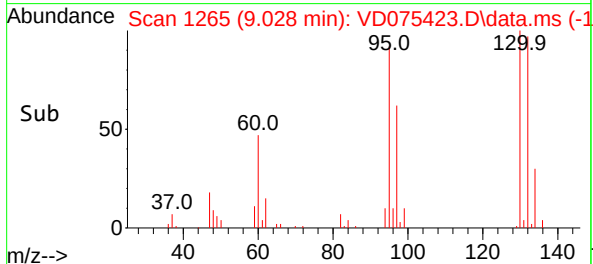
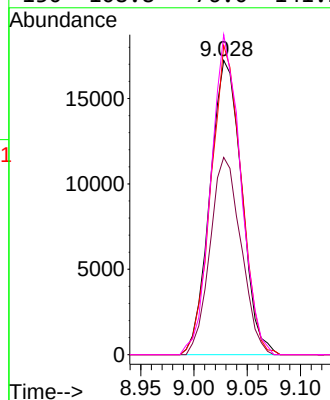
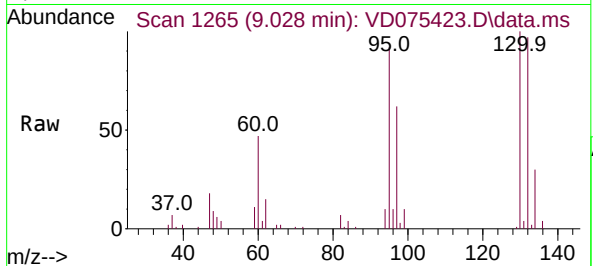




#34
Trichloroethene
Concen: 24.512 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

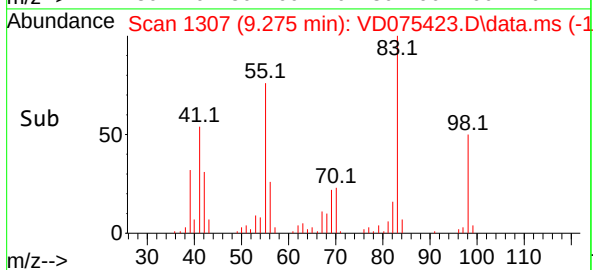
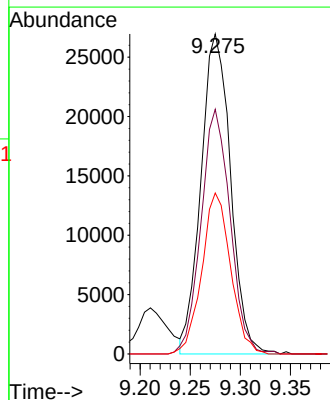
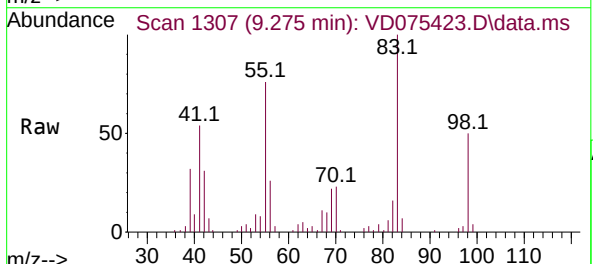
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

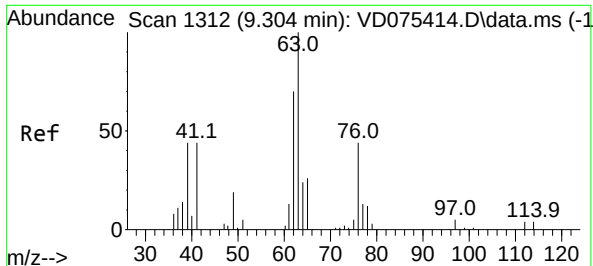
Tgt Ion: 95 Resp: 35689
Ion Ratio Lower Upper
95 100
97 67.1 45.4 84.4
132 105.2 65.9 122.3
130 108.8 76.0 141.2



#35
Methylcyclohexane
Concen: 23.779 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 83 Resp: 55462
Ion Ratio Lower Upper
83 100
55 75.0 60.6 90.8
98 48.9 39.6 59.4

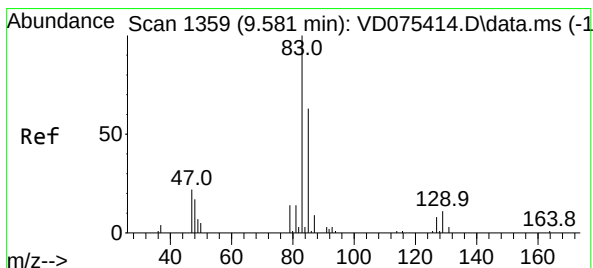
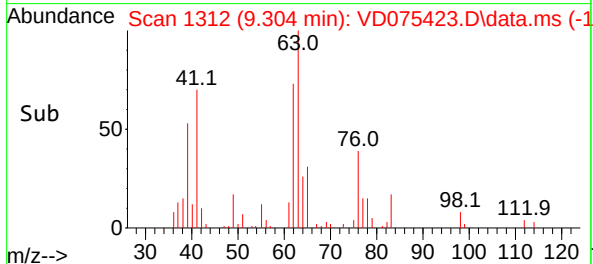
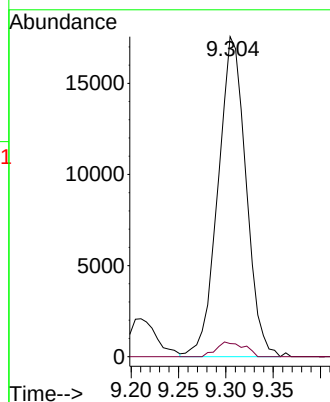
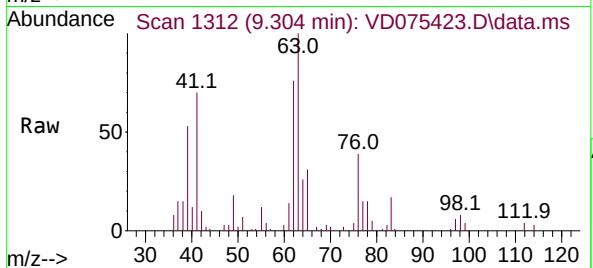




#37
1,2-Dichloropropane
Concen: 25.300 ug/L
RT: 9.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

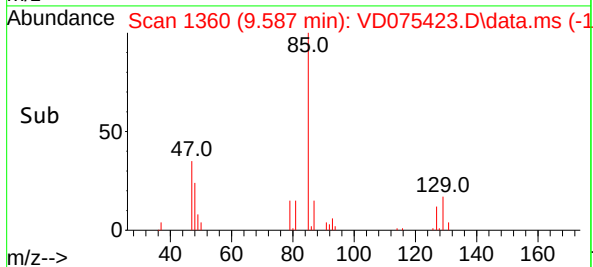
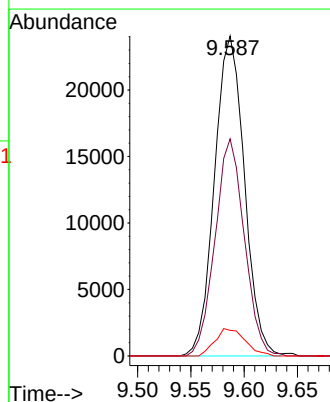
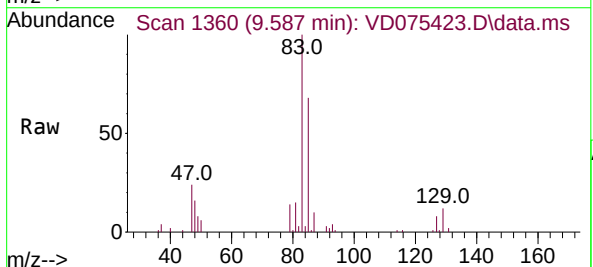
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

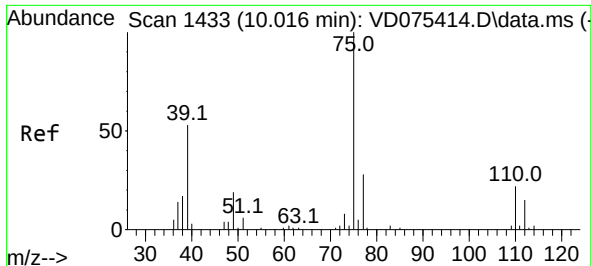
Tgt Ion: 63 Resp: 36112
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 25.431 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 83 Resp: 46960
Ion Ratio Lower Upper
83 100
85 67.8 43.9 81.5
127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 25.289 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

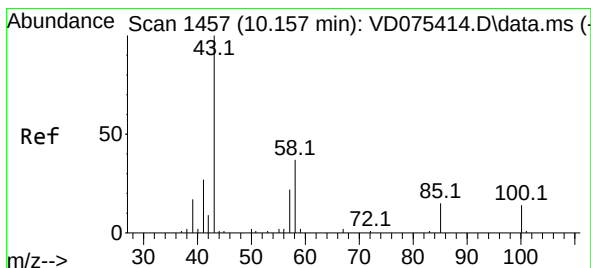
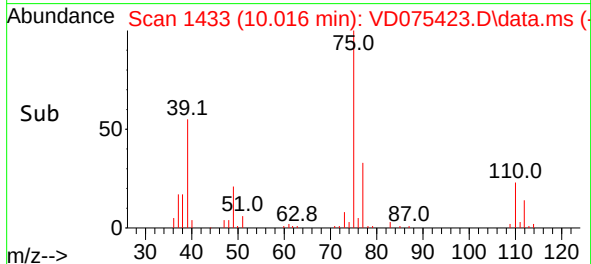
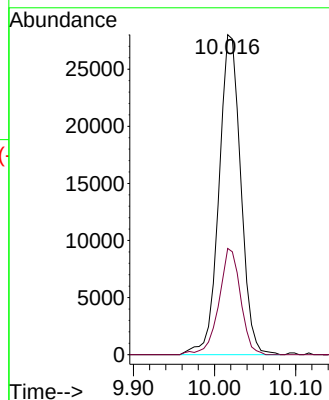
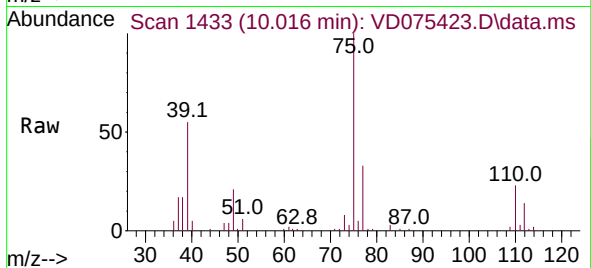
VSTD025101

Tgt Ion: 75 Resp: 52388

Ion Ratio Lower Upper

75 100

77 33.2 19.3 35.9



#40

4-Methyl-2-pentanone

Concen: 50.162 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

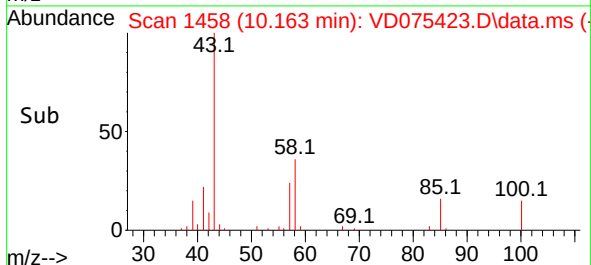
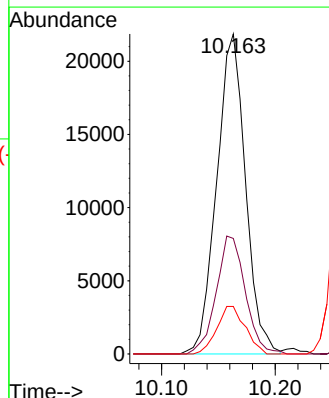
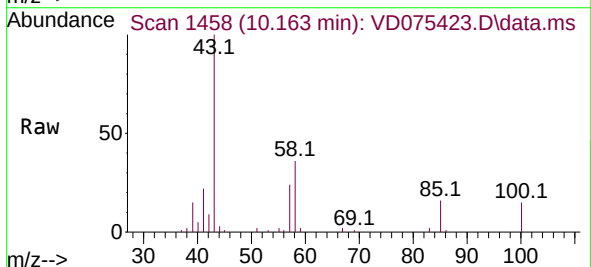
Tgt Ion: 43 Resp: 38473

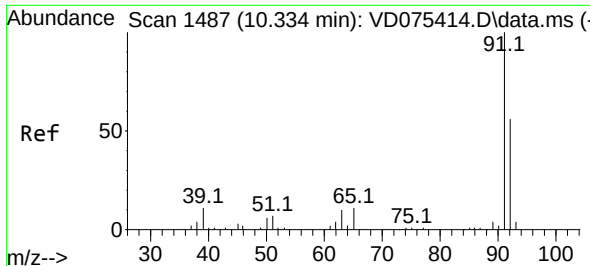
Ion Ratio Lower Upper

43 100

58 37.3 29.5 44.3

100 14.7 11.4 17.2

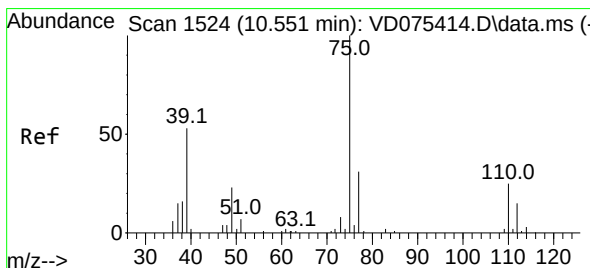
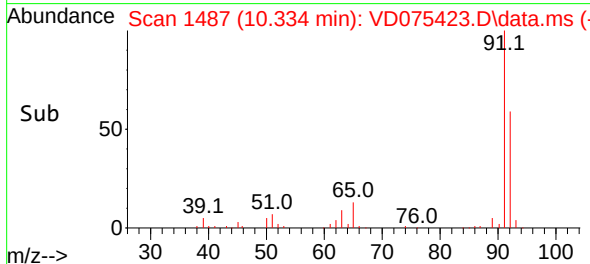
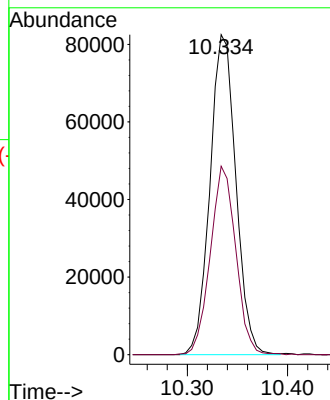
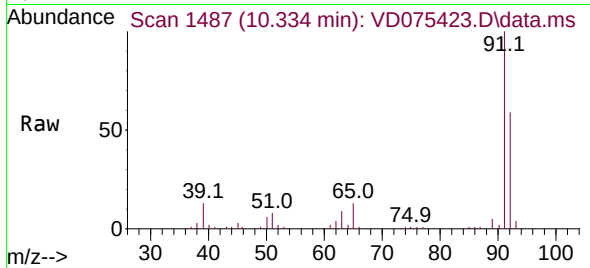




#42
Toluene
Concen: 25.487 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

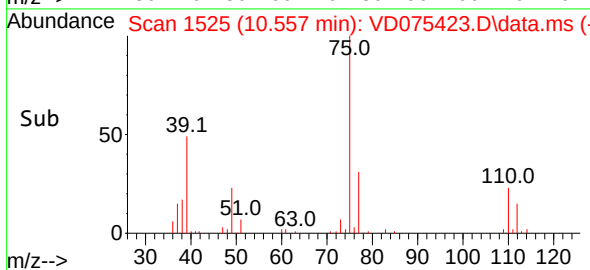
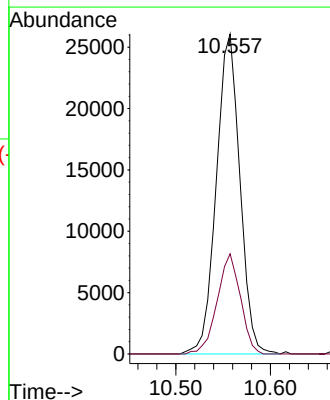
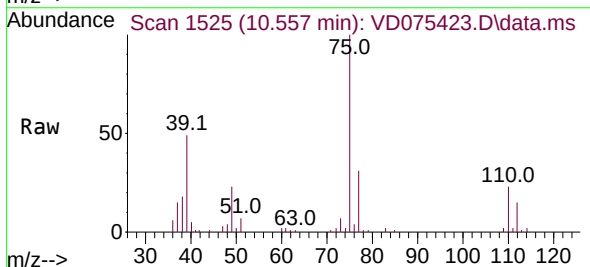
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

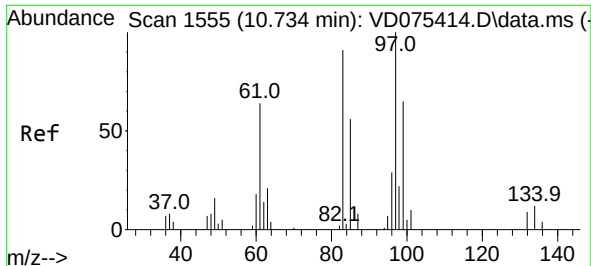
Tgt Ion: 91 Resp: 147859
Ion Ratio Lower Upper
91 100
92 58.9 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 26.182 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 75 Resp: 45118
Ion Ratio Lower Upper
75 100
77 31.3 21.4 39.8

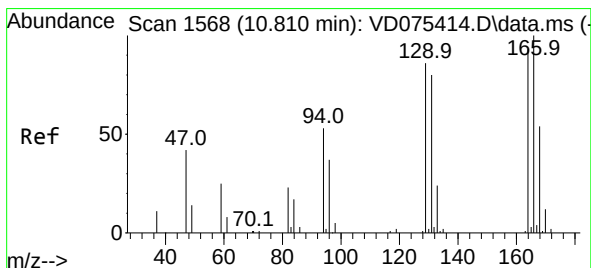
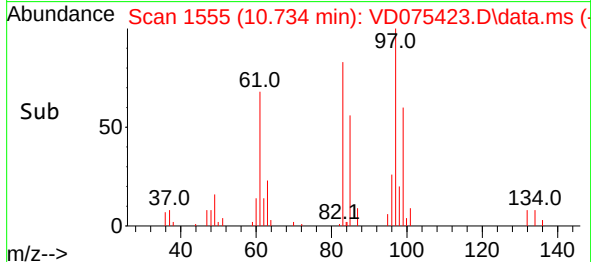
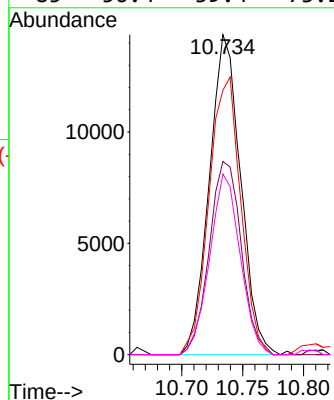
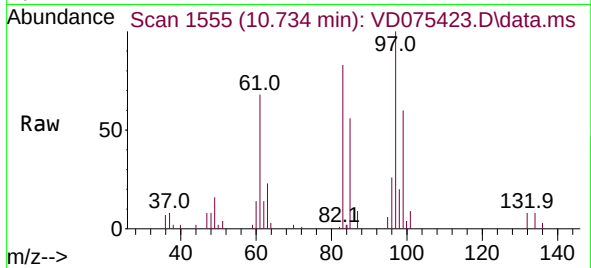




#45
1,1,2-Trichloroethane
Concen: 25.730 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

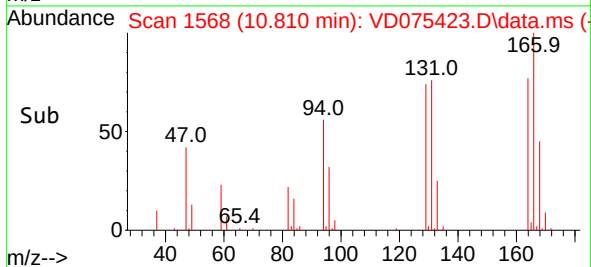
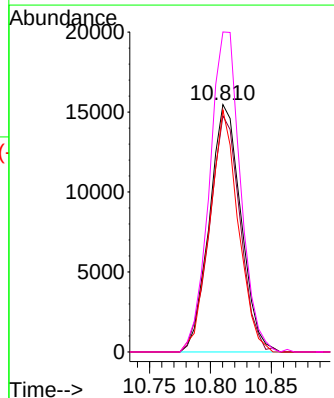
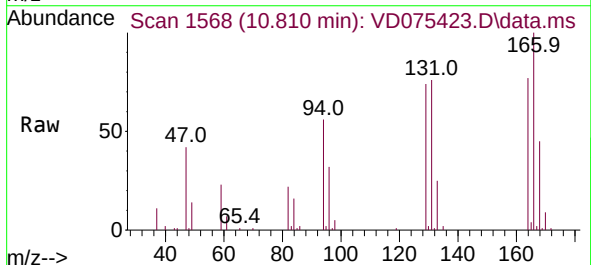
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

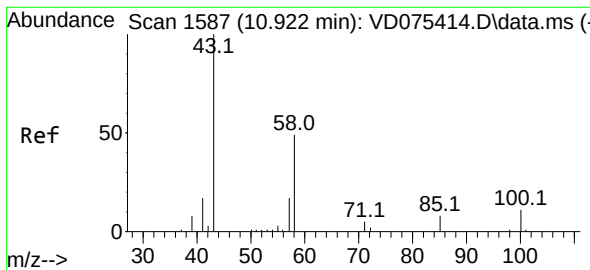
Tgt Ion: 97	Resp: 25661
Ion Ratio	Lower Upper
97 100	
99 60.4	45.4 84.2
83 82.6	63.8 118.6
85 56.4	39.4 73.2



#46
Tetrachloroethene
Concen: 24.228 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt	Ion:164	Resp:	27832
Ion	Ratio	Lower	Upper
164	100		
129	95.4	64.8	120.4
131	97.8	60.1	111.5
166	129.3	75.7	140.5

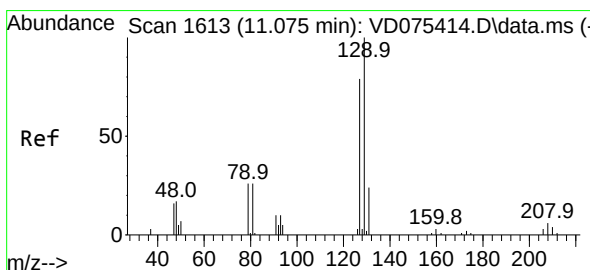
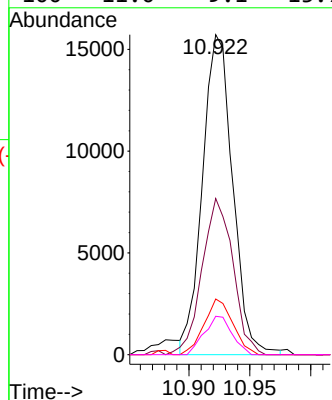
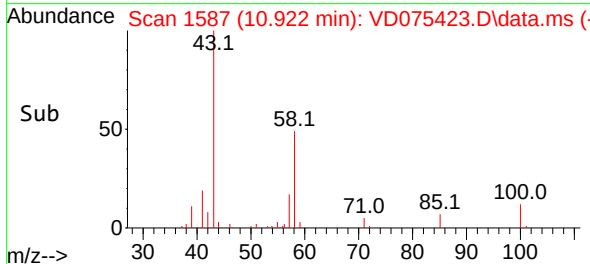
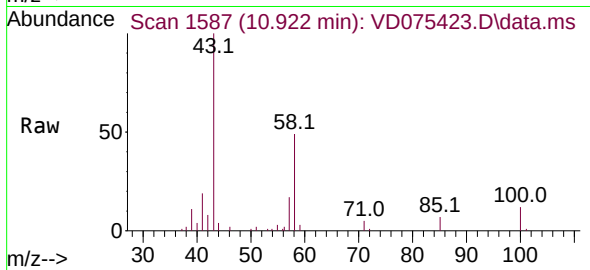




#48
2-Hexanone
Concen: 47.747 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

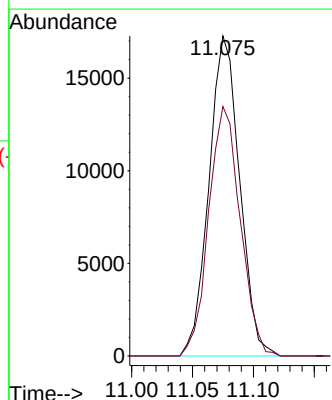
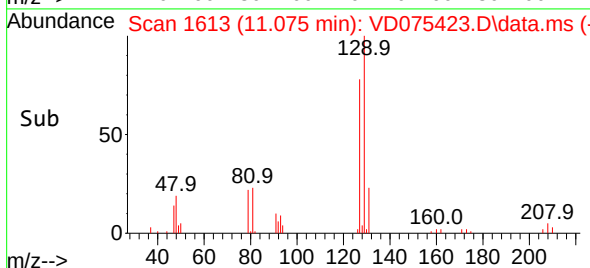
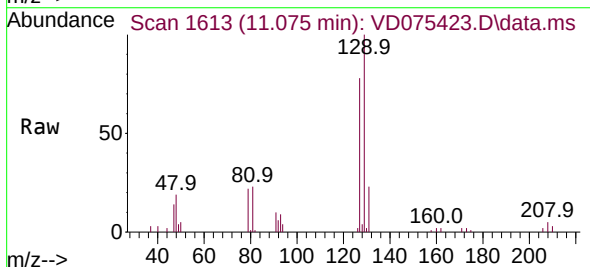
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

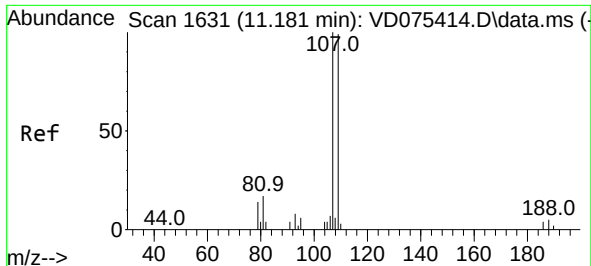
Tgt Ion:	43	Resp:	27095
Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.3	60.5
57	16.6	13.4	20.0
100	11.0	9.1	13.7



#49
Dibromochloromethane
Concen: 25.883 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion:	129	Resp:	30346
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.3	102.7





#50

1,2-Dibromoethane

Concen: 25.836 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

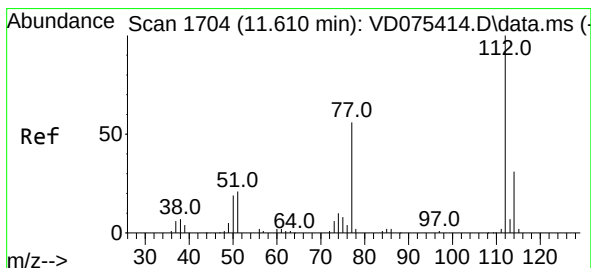
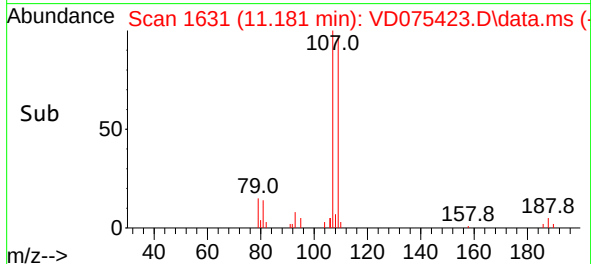
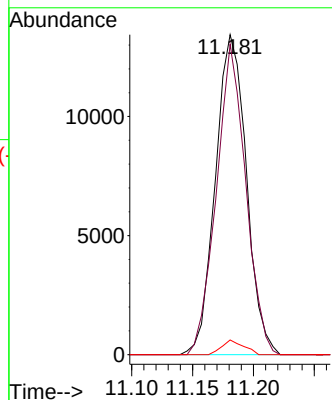
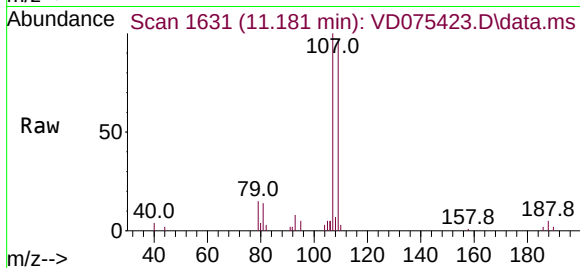
Tgt Ion:107 Resp: 23809

Ion Ratio Lower Upper

107 100

109 97.0 69.6 129.2

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 25.605 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

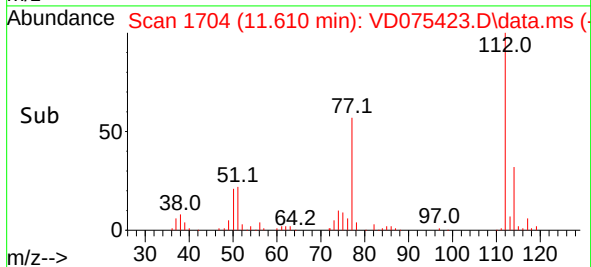
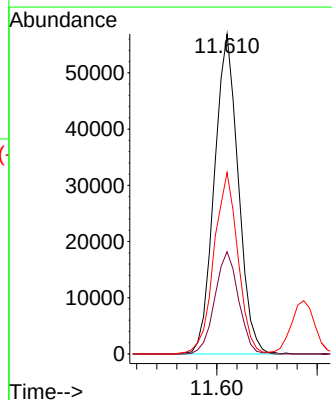
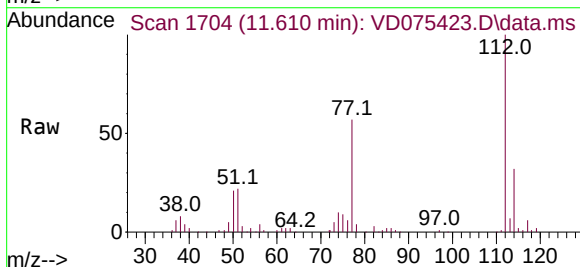
Tgt Ion:112 Resp: 94208

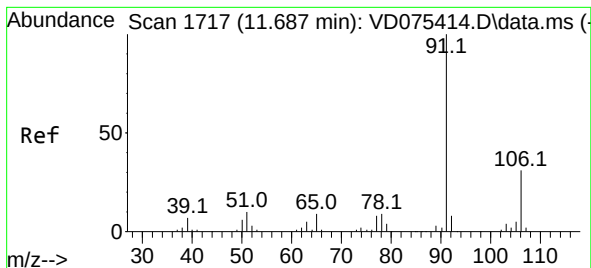
Ion Ratio Lower Upper

112 100

114 31.9 21.4 39.8

77 56.7 45.1 67.7

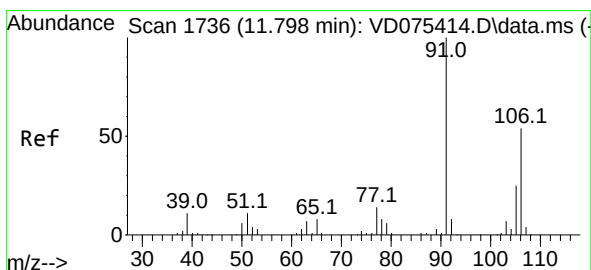
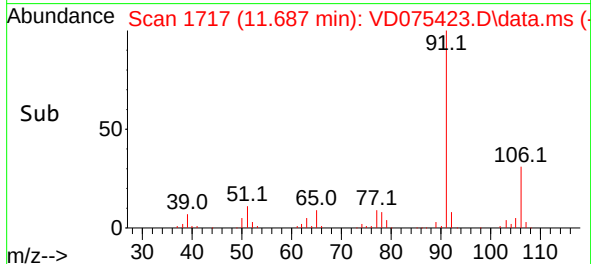
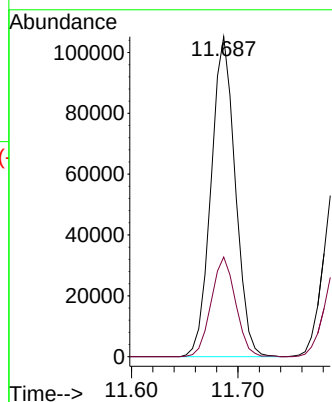
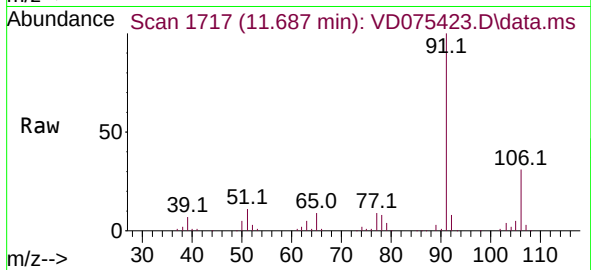




#52
Ethylbenzene
Concen: 25.894 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

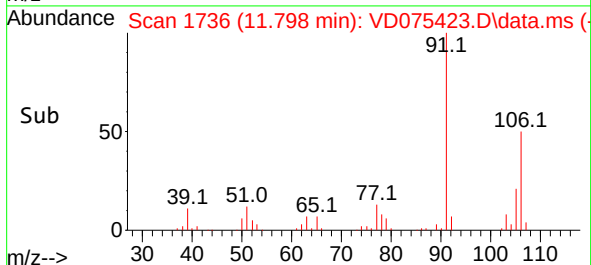
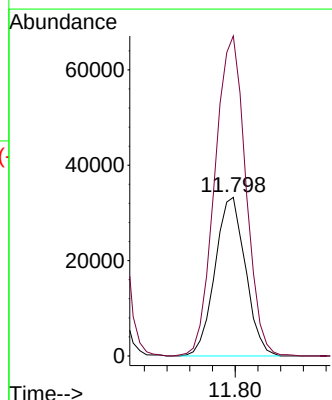
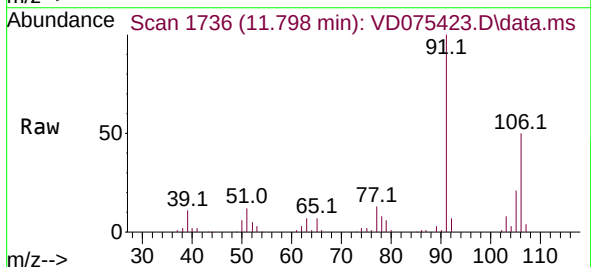
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

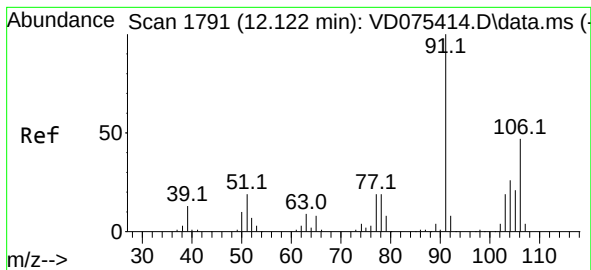
Tgt Ion: 91 Resp: 165950
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 25.628 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 106 Resp: 61931
Ion Ratio Lower Upper
106 100
91 201.8 131.2 243.6





#54

o-Xylene

Concen: 25.724 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

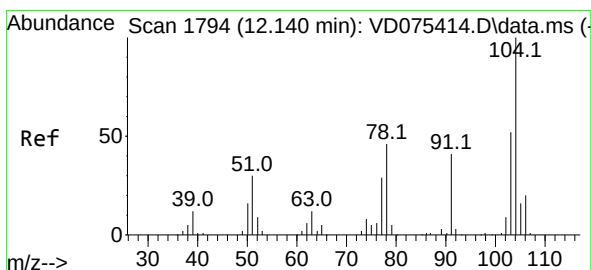
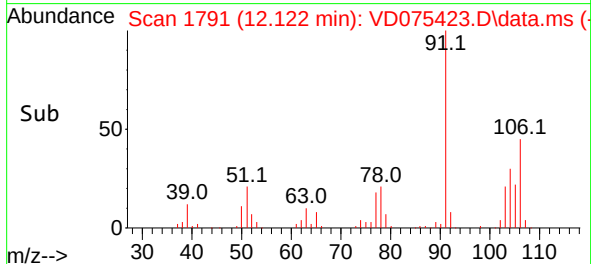
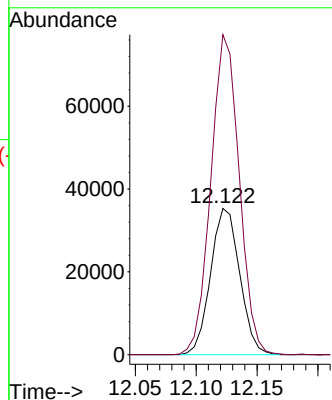
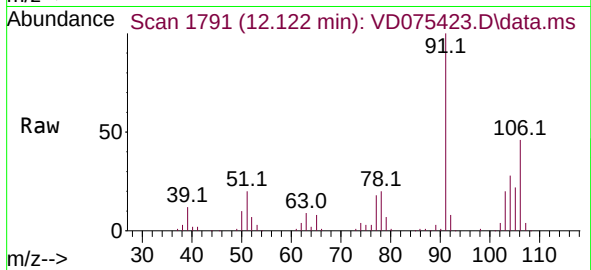
VSTD025101

Tgt Ion:106 Resp: 58768

Ion Ratio Lower Upper

106 100

91 218.8 147.7 274.3



#55

Styrene

Concen: 26.521 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075423.D

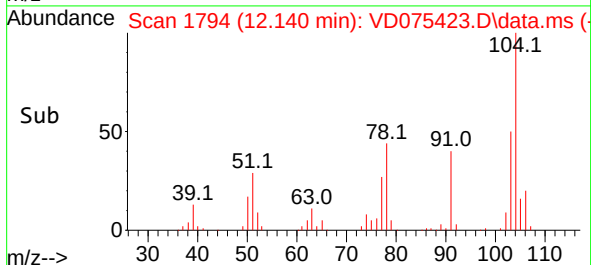
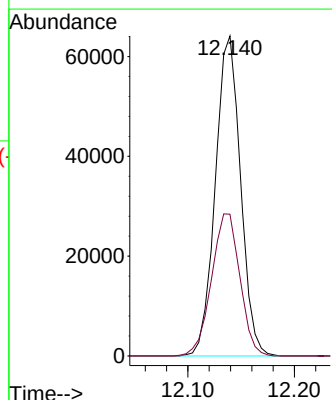
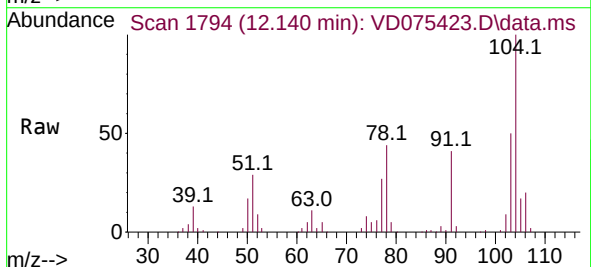
Acq: 23 Feb 2023 20:03

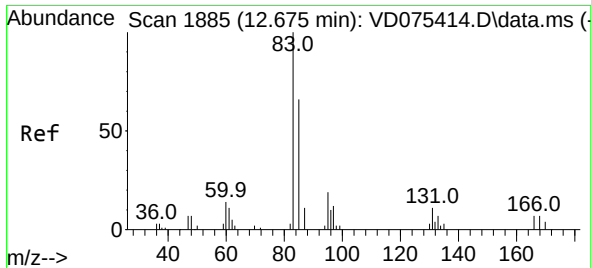
Tgt Ion:104 Resp: 105270

Ion Ratio Lower Upper

104 100

78 44.3 32.5 60.3

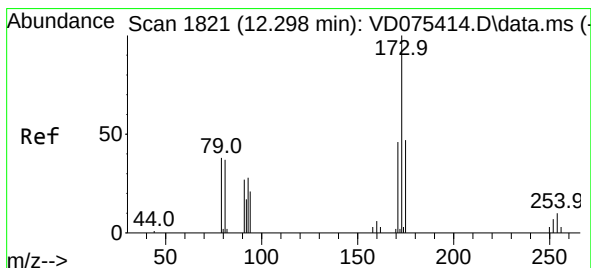
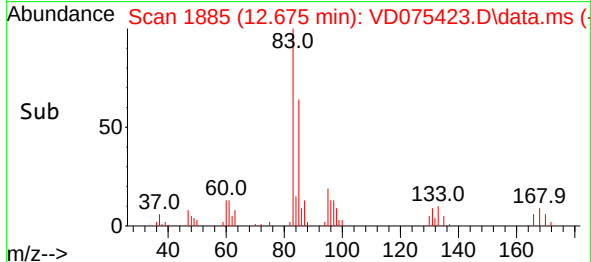
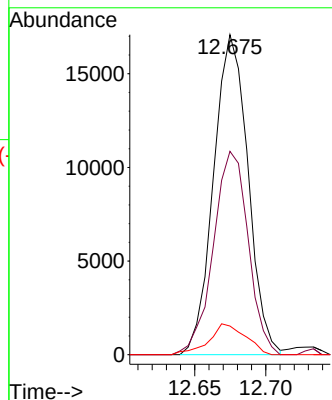
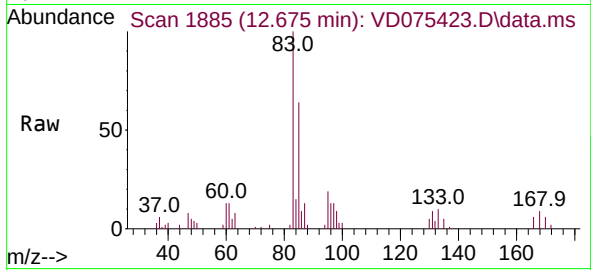




#57
1,1,2,2-Tetrachloroethane
Concen: 26.007 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

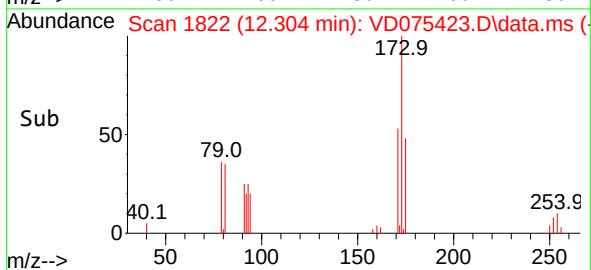
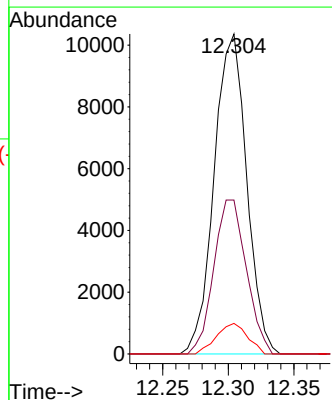
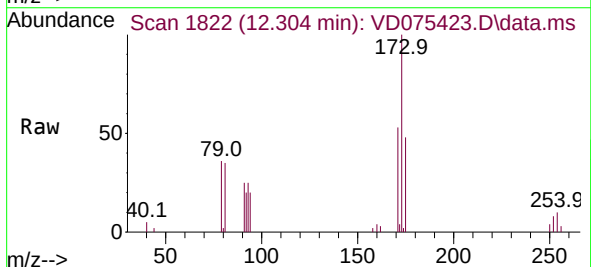
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

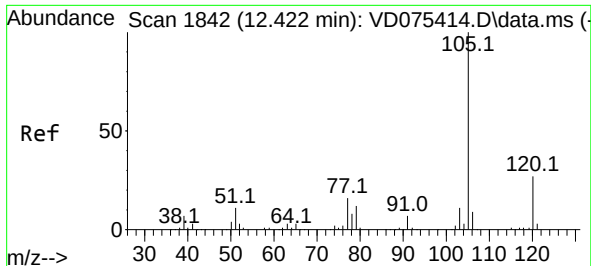
Tgt Ion: 83 Resp: 28816
Ion Ratio Lower Upper
83 100
85 63.6 45.9 85.3
131 9.0 9.0 13.6#



#59
Bromoform
Concen: 24.480 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 173 Resp: 17878
Ion Ratio Lower Upper
173 100
175 48.1 37.7 56.5
254 9.1 7.0 10.4

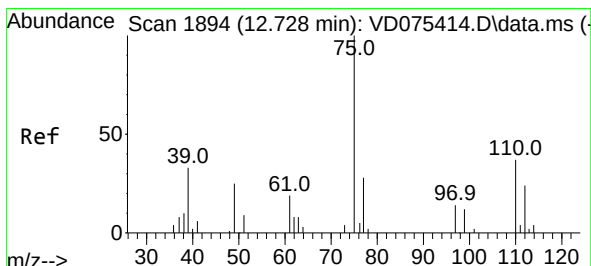
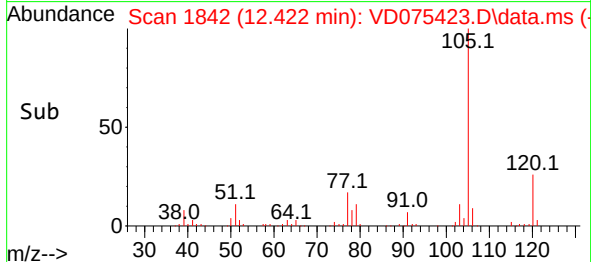
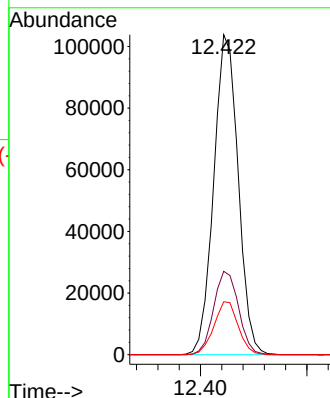
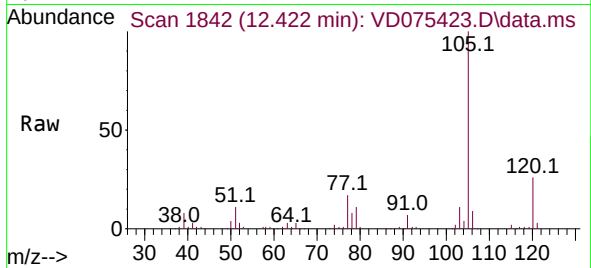




#60
Isopropylbenzene
Concen: 24.929 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

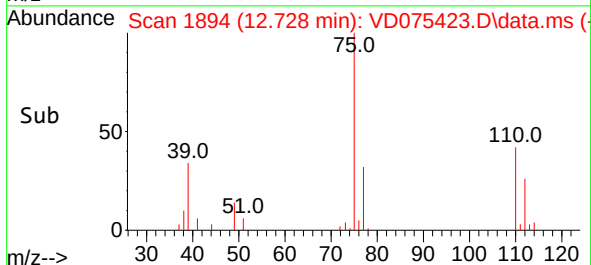
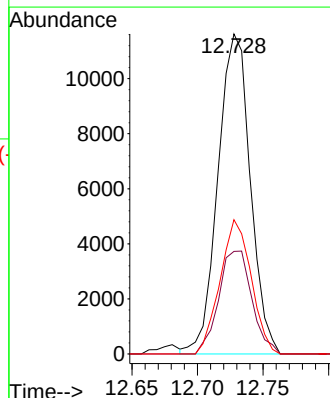
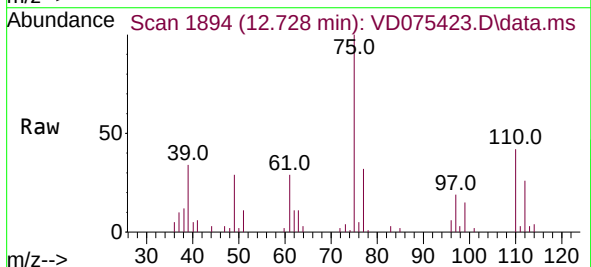
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

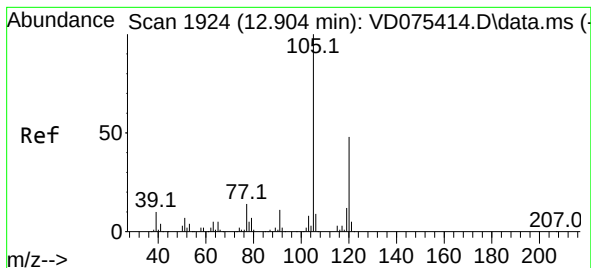
Tgt Ion:105 Resp: 165215
Ion Ratio Lower Upper
105 100
120 26.6 20.8 31.2
77 16.5 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 25.595 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion: 75 Resp: 19929
Ion Ratio Lower Upper
75 100
77 33.0 24.6 36.8
110 40.3 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 25.287 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

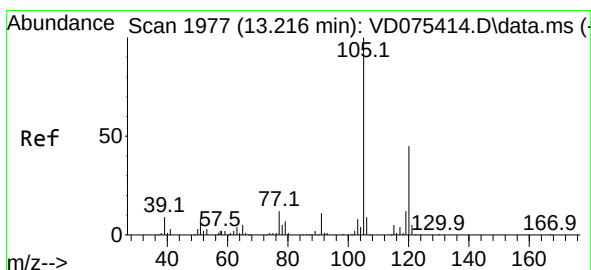
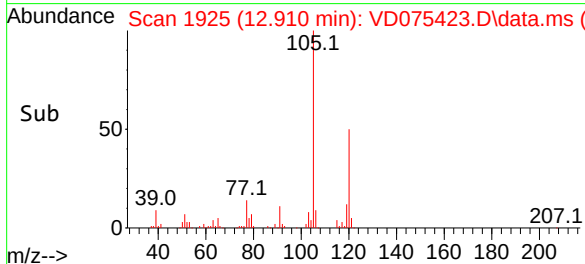
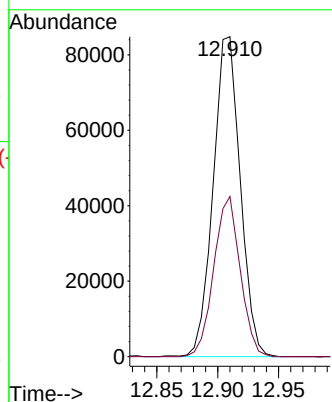
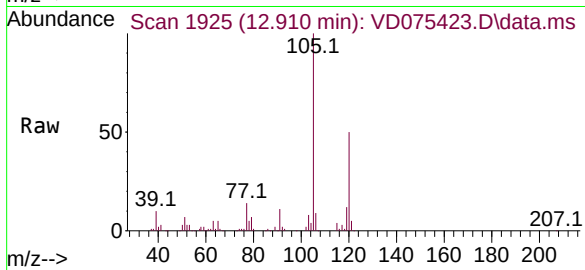
VSTD025101

Tgt Ion:105 Resp: 131326

Ion Ratio Lower Upper

105 100

120 48.7 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 25.934 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075423.D

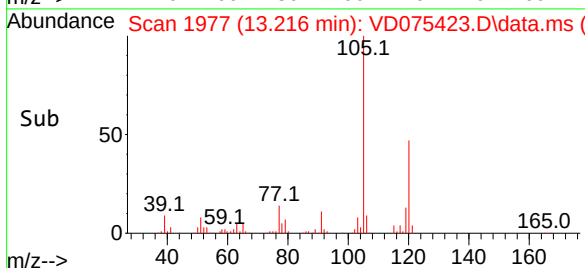
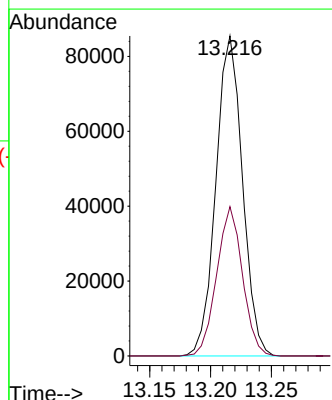
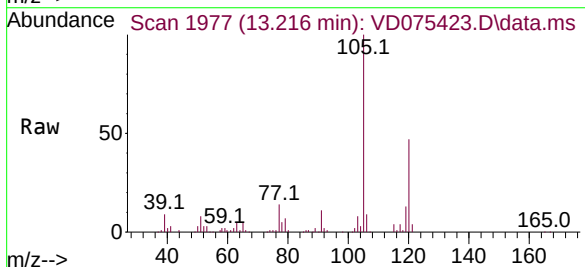
Acq: 23 Feb 2023 20:03

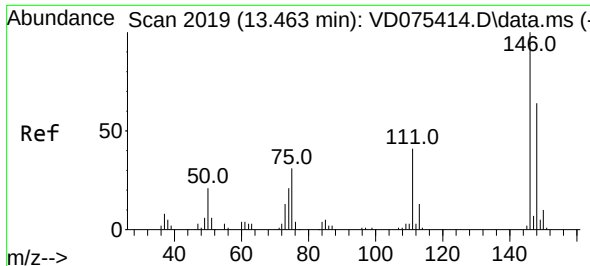
Tgt Ion:105 Resp: 129835

Ion Ratio Lower Upper

105 100

120 45.2 36.3 54.5

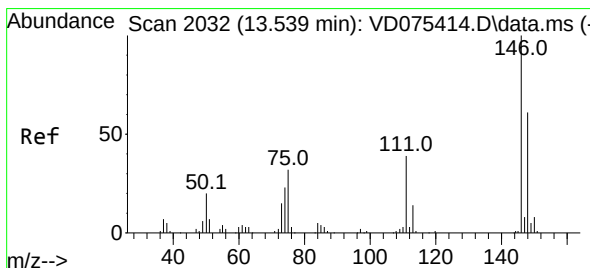
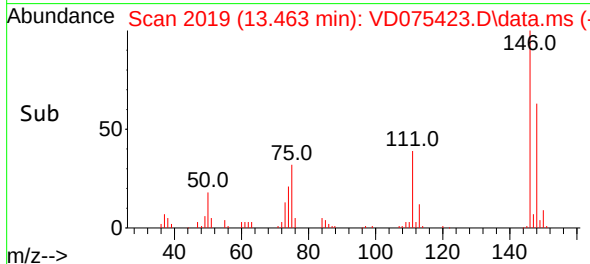
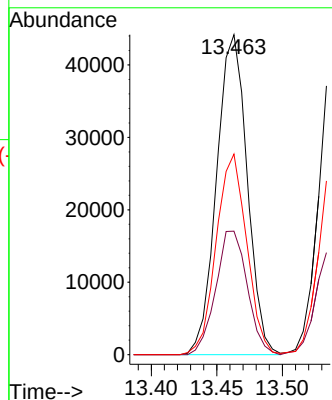
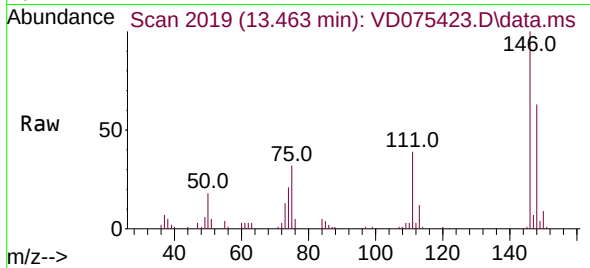




#64
1,3-Dichlorobenzene
Concen: 24.839 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

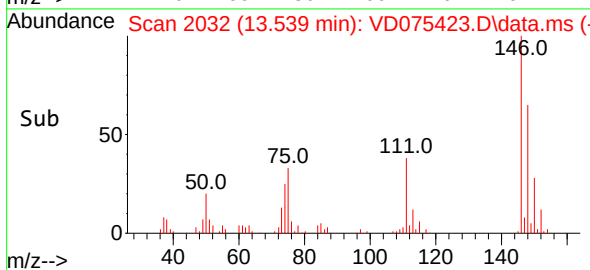
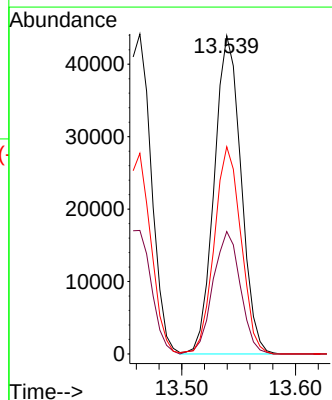
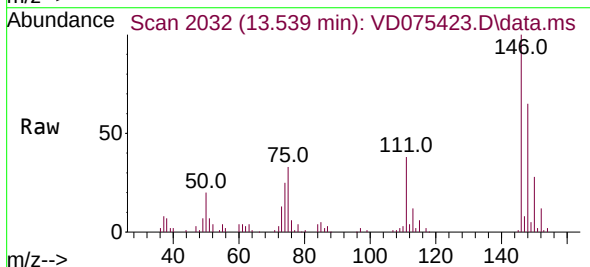
Instrument :
MSVOA_D
ClientSampleId :
VSTD025101

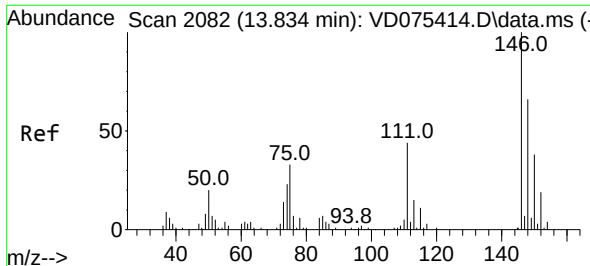
Tgt Ion:146 Resp: 71653
Ion Ratio Lower Upper
146 100
111 38.6 28.8 53.4
148 62.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 24.496 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075423.D
Acq: 23 Feb 2023 20:03

Tgt Ion:146 Resp: 72122
Ion Ratio Lower Upper
146 100
111 38.4 27.9 51.7
148 65.1 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 24.611 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

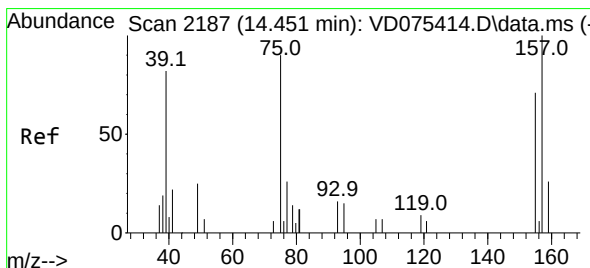
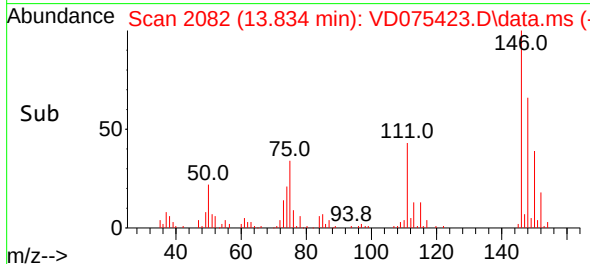
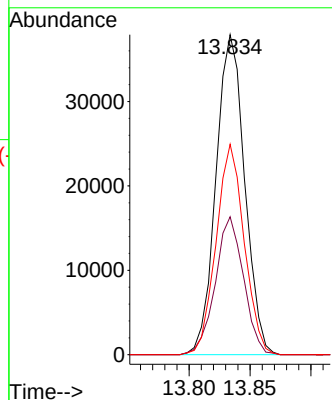
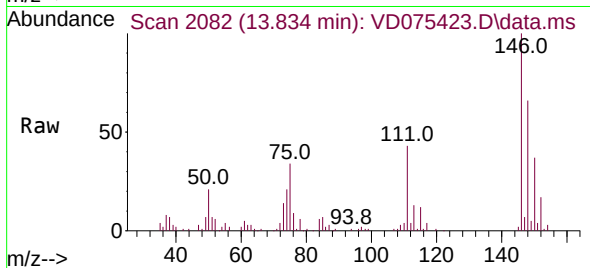
Tgt Ion:146 Resp: 62238

Ion Ratio Lower Upper

146 100

111 43.1 35.0 52.6

148 65.7 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 24.027 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

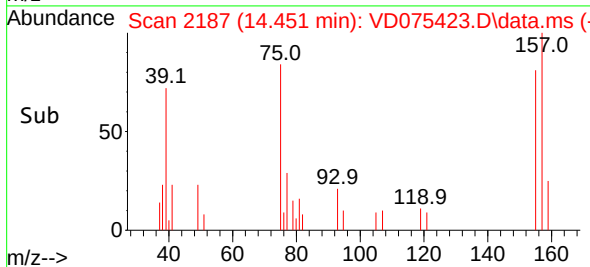
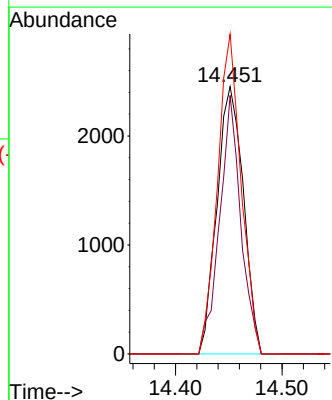
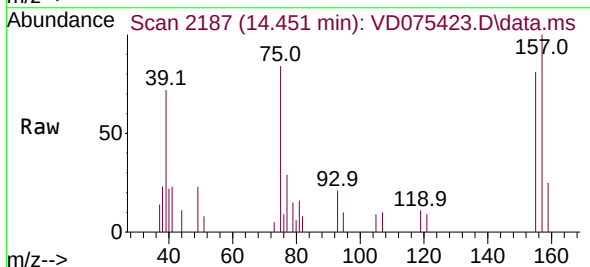
Tgt Ion: 75 Resp: 4215

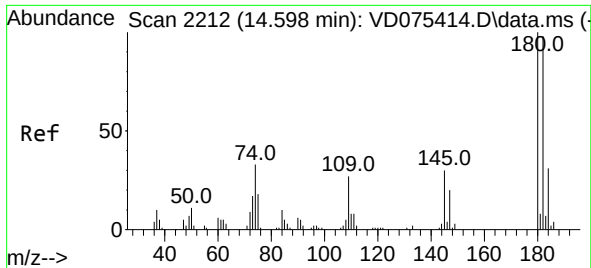
Ion Ratio Lower Upper

75 100

155 96.7 63.1 94.7#

157 119.7 89.2 133.8

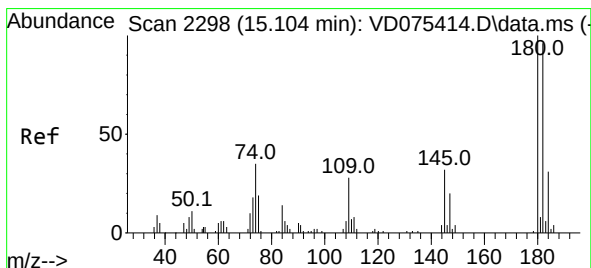
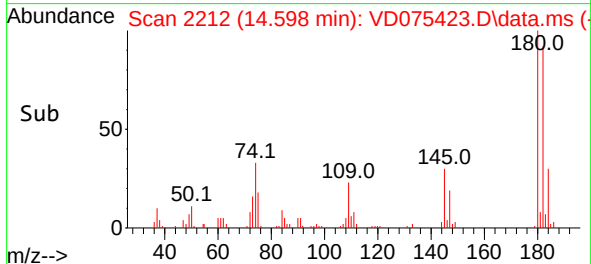
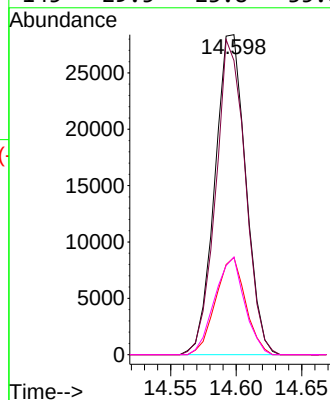
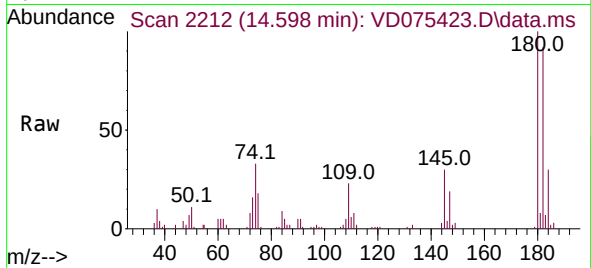




#69
 1,3,5-Trichlorobenzene
 Concen: 24.427 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

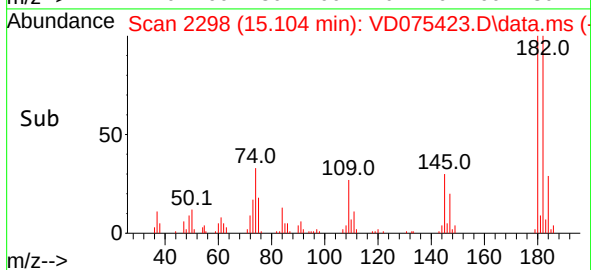
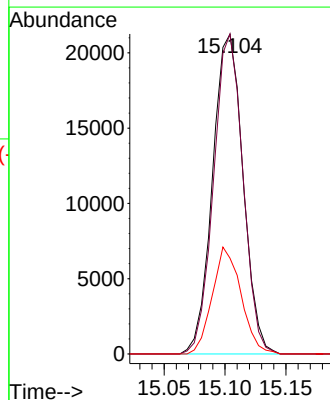
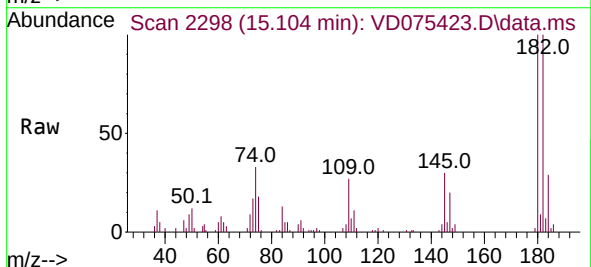
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025101

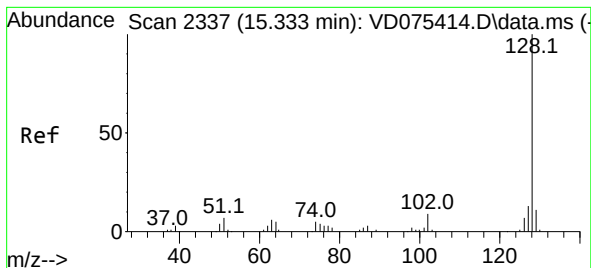
Tgt Ion:180 Resp: 46448
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.0 112.6
 184 29.4 23.8 35.6
 145 29.5 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 24.187 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075423.D
 Acq: 23 Feb 2023 20:03

Tgt Ion:180 Resp: 37001
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.1 115.7
 145 31.6 23.8 35.6





#71

Naphthalene

Concen: 25.509 ug/L

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025101

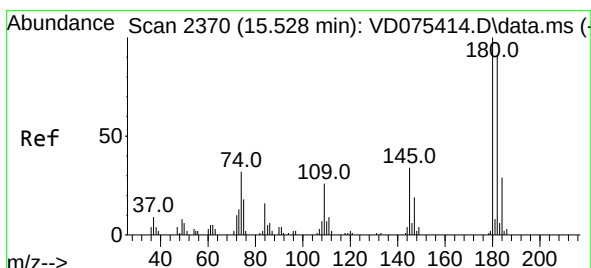
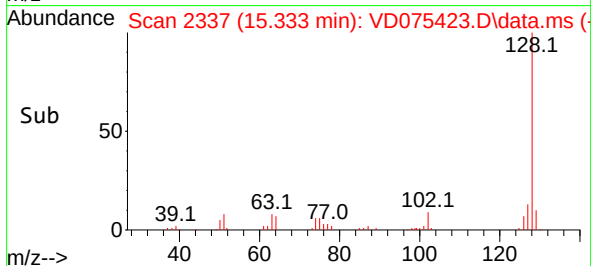
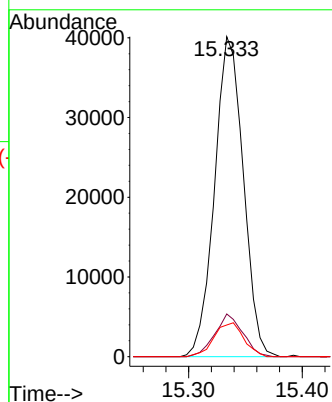
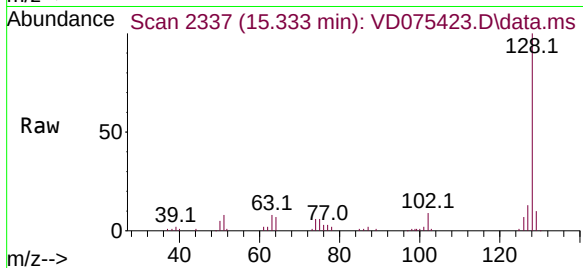
Tgt Ion:128 Resp: 70551

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 25.463 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.000 min

Lab File: VD075423.D

Acq: 23 Feb 2023 20:03

Tgt Ion:180 Resp: 33592

Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.2

145 34.2 26.6 39.8

