

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075407.D
 Acq On : 23 Feb 2023 10:58
 Operator : KP/SY
 Sample : VSTD2.501
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5101

Quant Time: Feb 23 23:39:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:38:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	84300	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	76717	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	35011	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	4890	2.928	ug/L	0.00
7) Chloroethane-d5	2.799	69	4245	3.006	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	63	6661	2.672	ug/L	0.00
21) 2-Butanone-d5	6.981	46	993	3.987	ug/L	0.00
24) Chloroform-d	7.569	84	7084	2.915	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	3296	2.742	ug/L	0.00
32) Benzene-d6	8.199	84	13346	2.787	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	4127	2.899	ug/L	0.00
41) Toluene-d8	10.269	98	11181	2.582	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	1487	2.594	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	965	5.150	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.657	84	2859	2.841	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	3763	3.045	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	4474	2.767	ug/L	94
3) Chloromethane	2.146	50	5383	2.786	ug/L	98
5) Vinyl chloride	2.281	62	5993	2.790	ug/L	92
6) Bromomethane	2.699	94	2463	2.304	ug/L	99
8) Chloroethane	2.846	64	3360	2.568	ug/L	93
9) Trichlorofluoromethane	3.175	101	6266	2.579	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	2517	1.725	ug/L	94
12) 1,1-Dichloroethene	3.946	96	3302	2.630	ug/L #	65
13) Acetone	4.028	43	1827	5.412	ug/L	57
14) Carbon disulfide	4.275	76	11194	2.765	ug/L	97
15) Methyl Acetate	4.558	43	443	0.854	ug/L #	77
16) Methylene chloride	4.811	84	5556	3.296	ug/L	76
17) trans-1,2-Dichloroethene	5.316	96	2744	2.120	ug/L	92
18) Methyl tert-butyl Ether	5.322	73	6017	2.279	ug/L #	63
19) 1,1-Dichloroethane	6.116	63	6557	2.630	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	2967	2.148	ug/L	93
22) 2-Butanone	7.087	43	2007	5.109	ug/L #	71
23) Bromochloromethane	7.428	128	1384	2.263	ug/L #	70
25) Chloroform	7.604	83	6546	2.559	ug/L	93
27) 1,2-Dichloroethane	8.328	62	4300	2.674	ug/L	98
29) Cyclohexane	7.881	56	3855	1.835	ug/L #	80
30) 1,1,1-Trichloroethane	7.787	97	3114	1.335	ug/L #	53
31) Carbon tetrachloride	7.987	117	3340	1.667	ug/L #	61
33) Benzene	8.246	78	13803	2.510	ug/L	100
34) Trichloroethene	9.028	95	3638	2.489	ug/L #	87
35) Methylcyclohexane	9.275	83	5615	2.398	ug/L	98
37) 1,2-Dichloropropane	9.304	63	3723	2.598	ug/L #	87
38) Bromodichloromethane	9.587	83	4513	2.434	ug/L	96
39) cis-1,3-Dichloropropene	10.028	75	4707	2.263	ug/L	88
40) 4-Methyl-2-pentanone	10.157	43	3530	4.584	ug/L #	95
42) Toluene	10.334	91	13129	2.254	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	3745	2.164	ug/L	99

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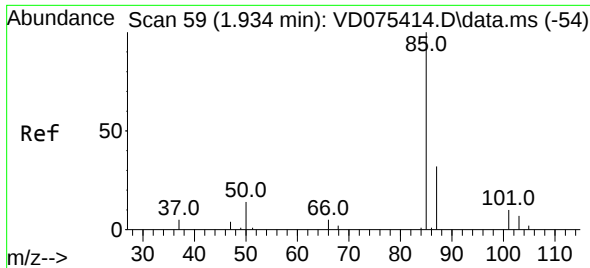
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5101

Quant Time: Feb 23 23:39:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:38:15 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.734	97	2578	2.574	ug/L	89
46) Tetrachloroethene	10.810	164	2935	2.545	ug/L	90
48) 2-Hexanone	10.928	43	2561	4.495	ug/L #	95
49) Dibromochloromethane	11.081	129	2781	2.362	ug/L	98
50) 1,2-Dibromoethane	11.181	107	2222	2.401	ug/L #	96
51) Chlorobenzene	11.610	112	8954	2.424	ug/L	95
52) Ethylbenzene	11.687	91	13896	2.159	ug/L	95
53) m,p-Xylene	11.793	106	4960	2.044	ug/L	96
54) o-Xylene	12.122	106	4789	2.088	ug/L	99
55) Styrene	12.134	104	8045	2.019	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	2858	2.569	ug/L #	94
59) Bromoform	12.304	173	1701	2.626	ug/L #	95
60) Isopropylbenzene	12.422	105	13503	2.297	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	968	1.402	ug/L #	24
62) 1,3,5-Trimethylbenzene	12.904	105	10035	2.178	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	9559	2.153	ug/L	96
64) 1,3-Dichlorobenzene	13.463	146	6544	2.557	ug/L	89
65) 1,4-Dichlorobenzene	13.539	146	6955	2.663	ug/L	92
67) 1,2-Dichlorobenzene	13.839	146	5781	2.577	ug/L #	92
69) 1,3,5-Trichlorobenzene	14.598	180	4125	2.446	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	3251	2.396	ug/L	95
71) Naphthalene	15.334	128	5493	2.239	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.528	180	2593	2.216	ug/L #	93

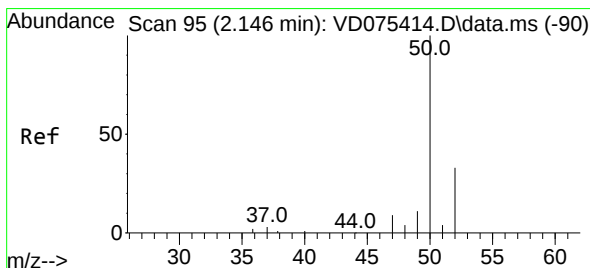
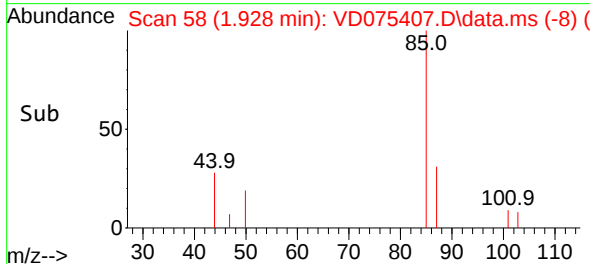
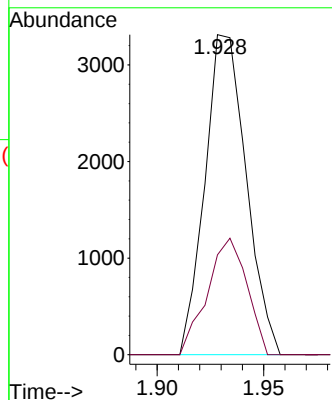
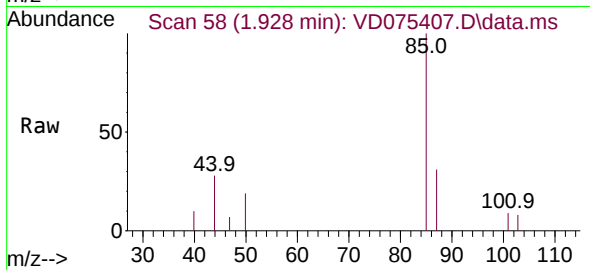
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 2.767 ug/L
 RT: 1.928 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

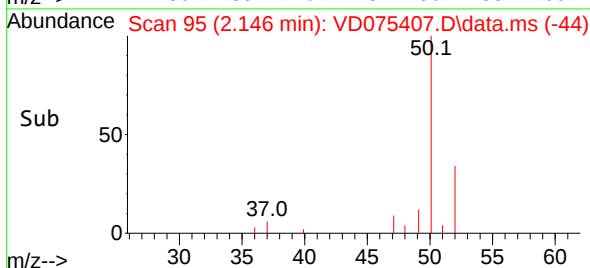
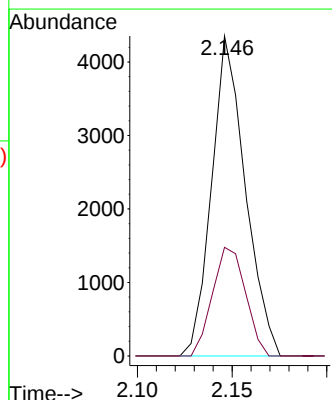
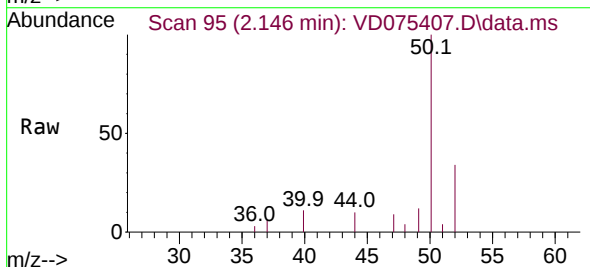
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5101

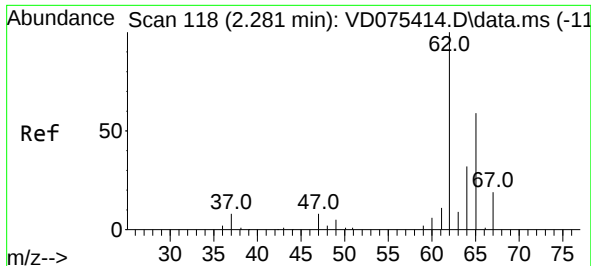
Tgt Ion: 85 Resp: 4474
 Ion Ratio Lower Upper
 85 100
 87 34.8 25.1 37.7



#3
 Chloromethane
 Concen: 2.786 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

Tgt Ion: 50 Resp: 5383
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.8 42.4

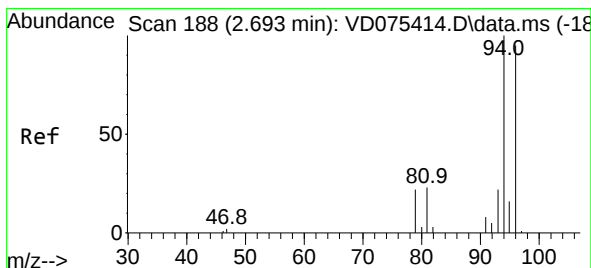
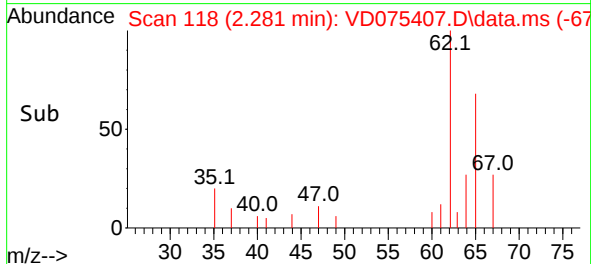
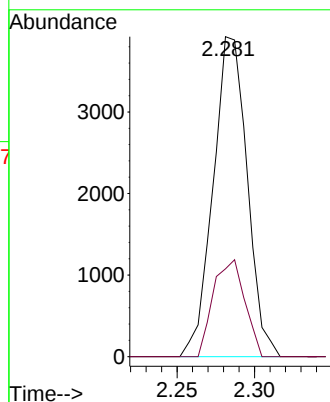
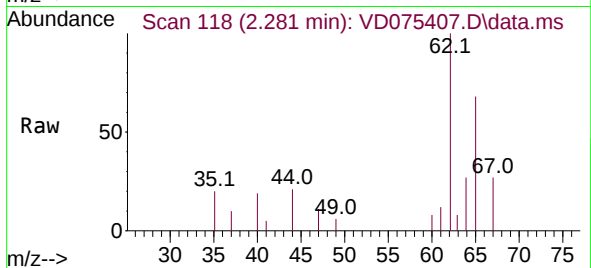




#5
 Vinyl chloride
 Concen: 2.790 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

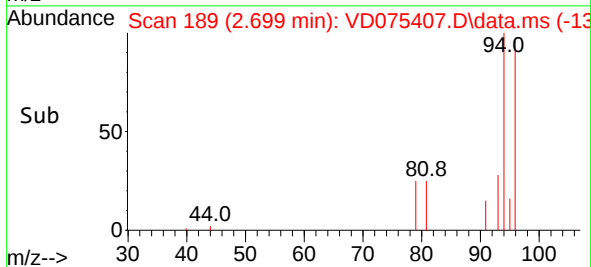
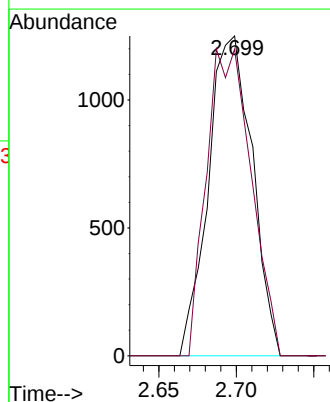
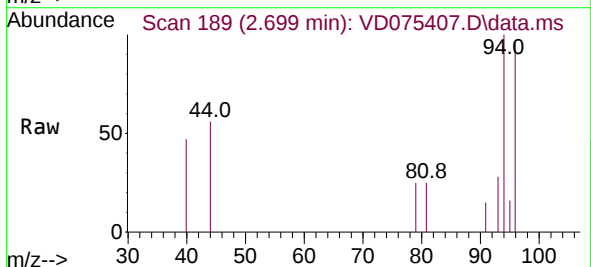
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 ClientSampleId :
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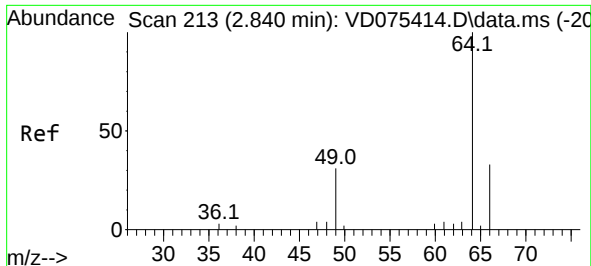
Tgt Ion: 62 Resp: 5993
 Ion Ratio Lower Upper
 62 100
 64 27.5 22.4 41.6



#6
 Bromomethane
 Concen: 2.304 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.006 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

Tgt Ion: 94 Resp: 2463
 Ion Ratio Lower Upper
 94 100
 96 95.9 66.4 123.4

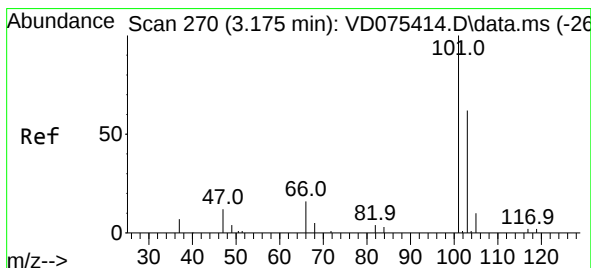
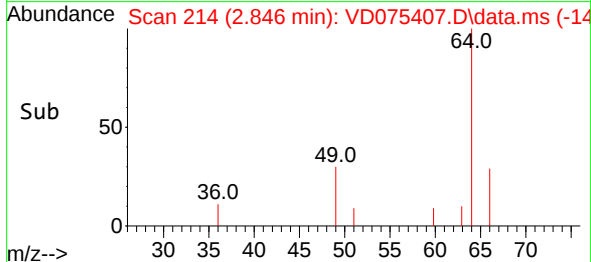
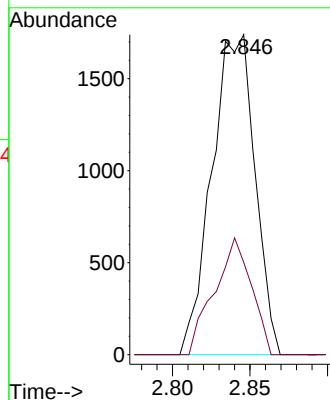
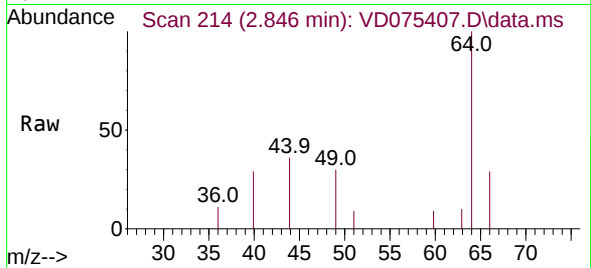




#8
Chloroethane
Concen: 2.568 ug/L
RT: 2.846 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

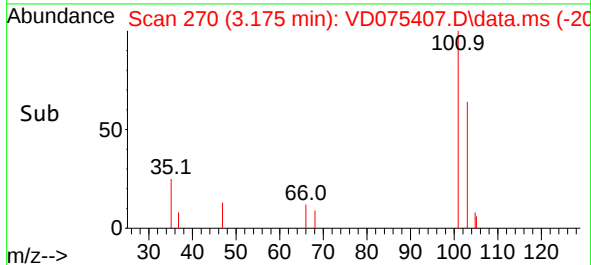
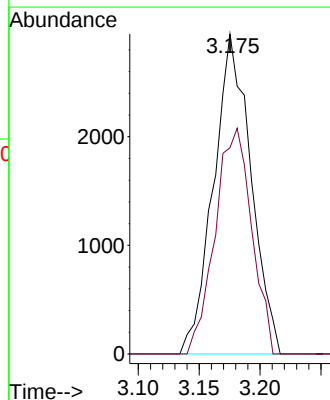
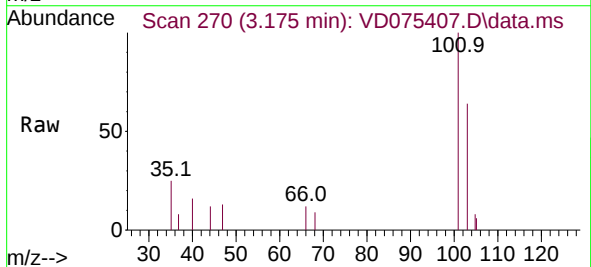
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

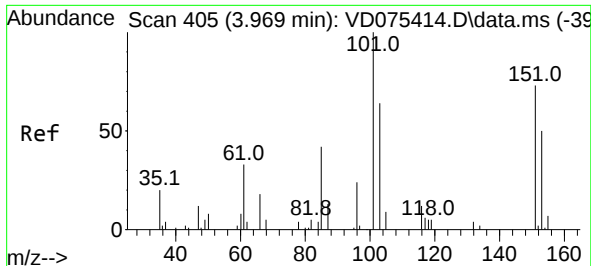
Tgt Ion: 64 Resp: 3360
Ion Ratio Lower Upper
64 100
66 28.9 23.2 43.0



#9
Trichlorofluoromethane
Concen: 2.579 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion:101 Resp: 6266
Ion Ratio Lower Upper
101 100
103 69.1 50.2 75.2

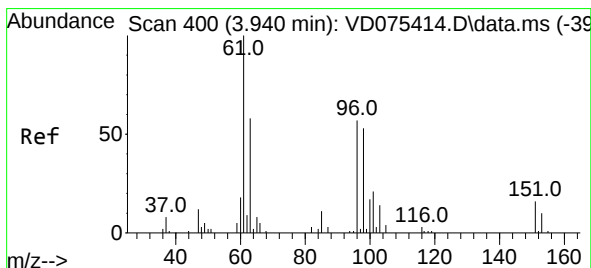
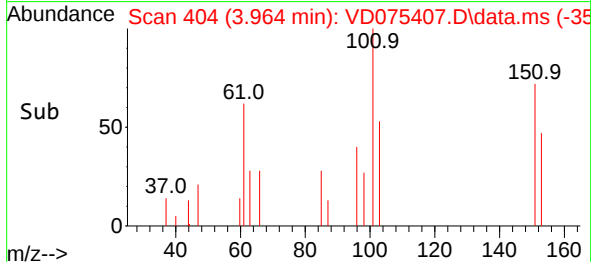
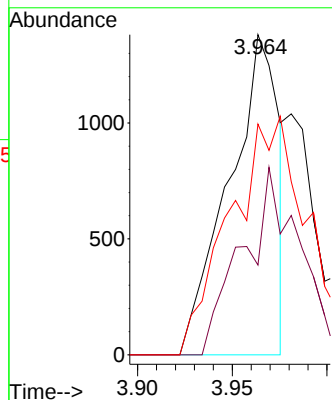
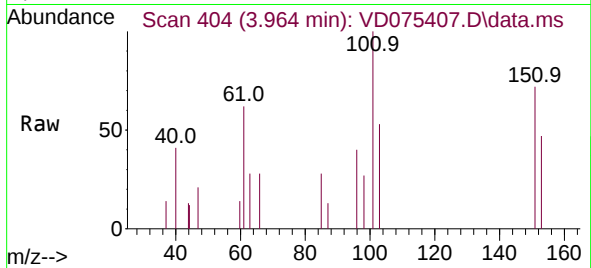




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.725 ug/L
 RT: 3.964 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

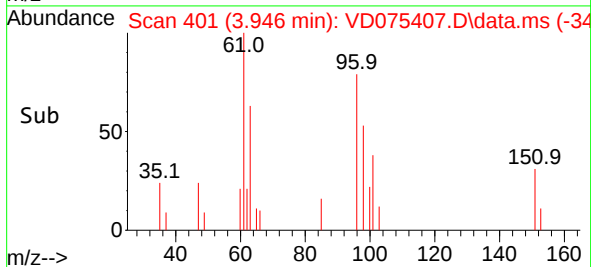
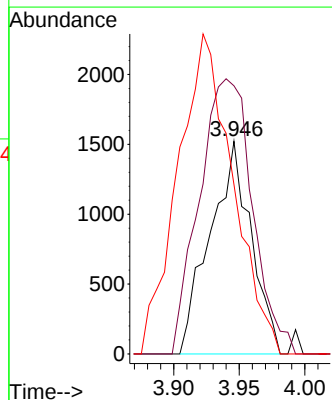
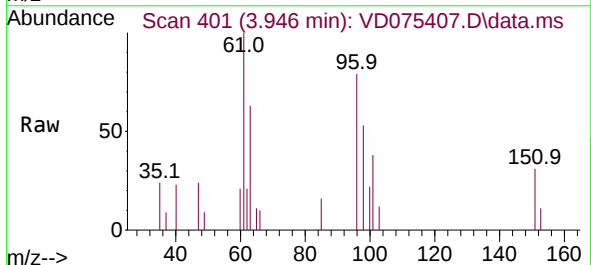
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5101

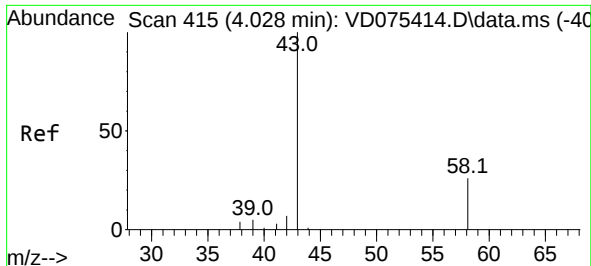
Tgt Ion:101 Resp: 2517
 Ion Ratio Lower Upper
 101 100
 85 40.5 36.7 55.1
 151 77.1 58.2 87.2



#12
 1,1-Dichloroethene
 Concen: 2.630 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

Tgt Ion: 96 Resp: 3302
 Ion Ratio Lower Upper
 96 100
 61 126.1 123.8 229.8
 63 79.6 81.3 150.9#





#13

Acetone

Concen: 5.412 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

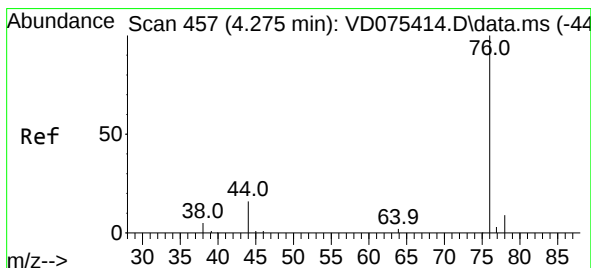
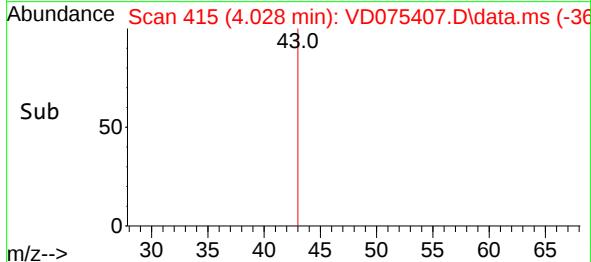
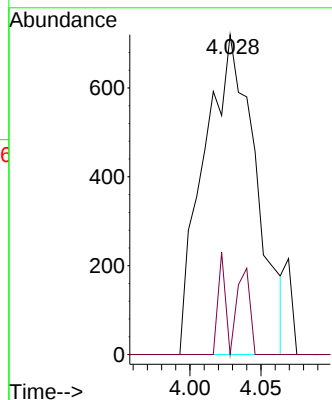
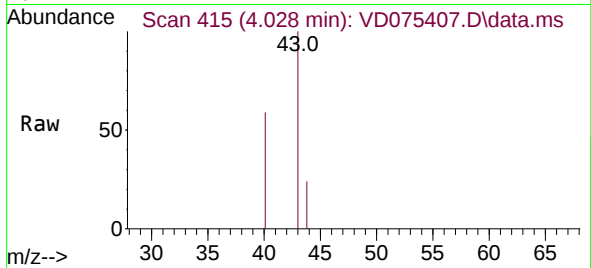
VSTD2.5101

Tgt Ion: 43 Resp: 1827

Ion Ratio Lower Upper

43 100

58 4.4 0.0 53.8



#14

Carbon disulfide

Concen: 2.765 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075407.D

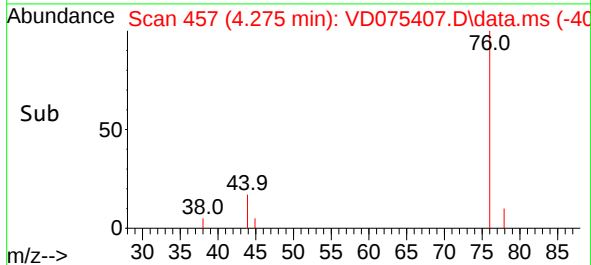
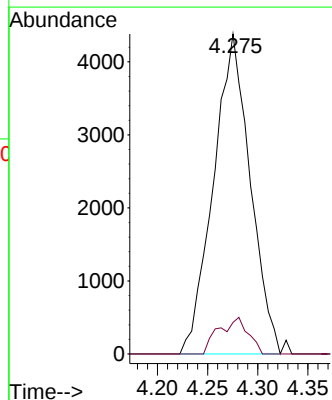
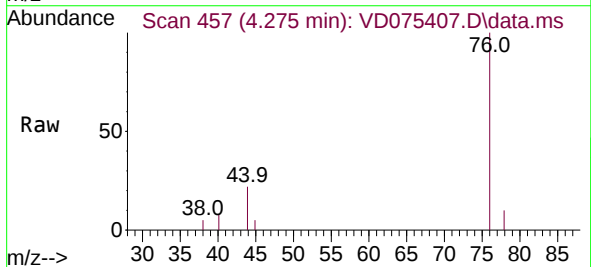
Acq: 23 Feb 2023 10:58

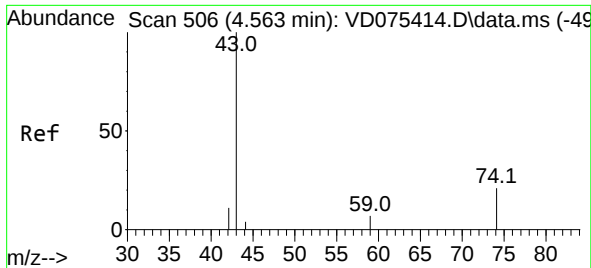
Tgt Ion: 76 Resp: 11194

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

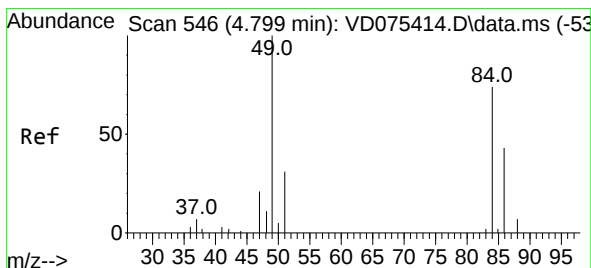
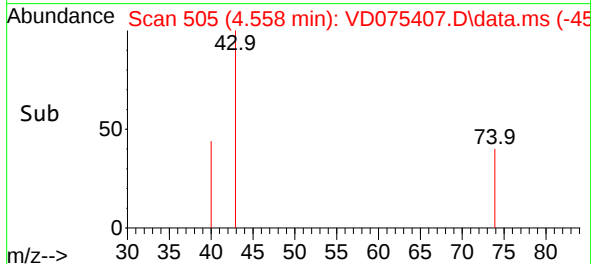
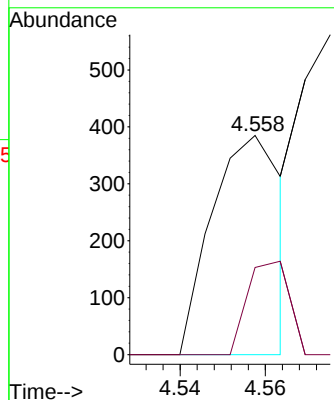
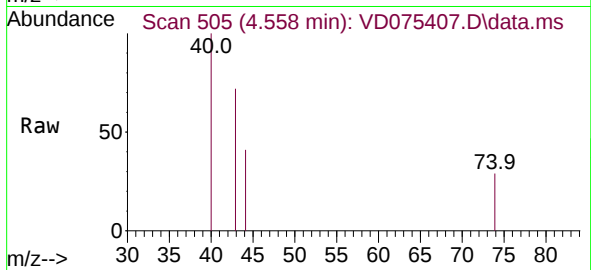




#15
Methyl Acetate
Concen: 0.854 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

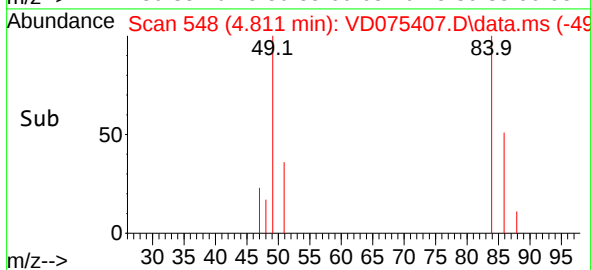
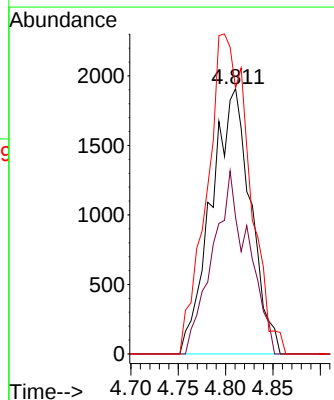
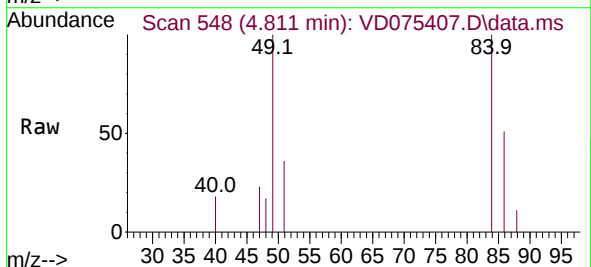
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MSVOA_D
ClientSampleId :
VSTD2.5101

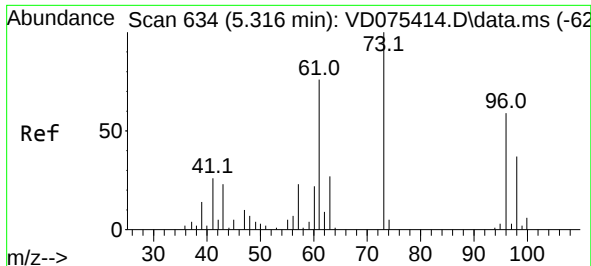
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
74 25.3 12.4 18.6#



#16
Methylene chloride
Concen: 3.296 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 84 Resp: 5556
Ion Ratio Lower Upper
84 100
86 51.5 41.0 76.2
49 100.2 95.2 176.8

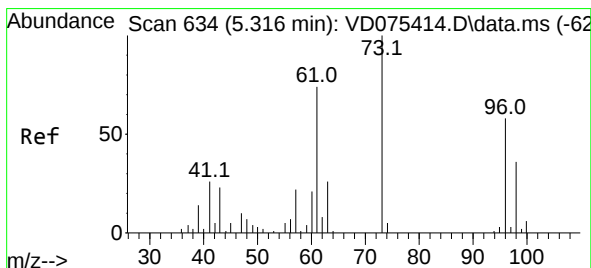
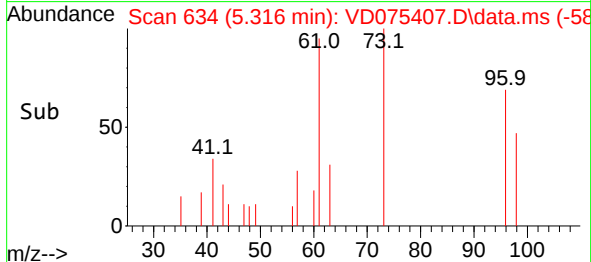
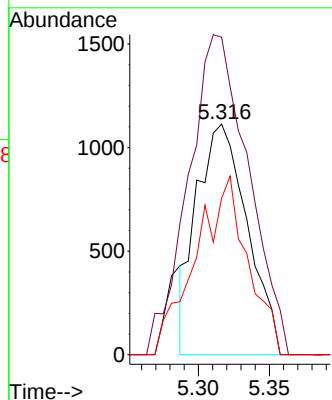
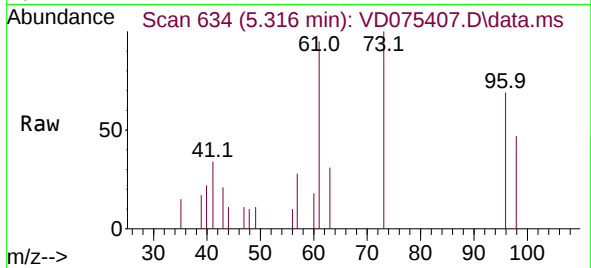




#17
trans-1,2-Dichloroethene
Concen: 2.120 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

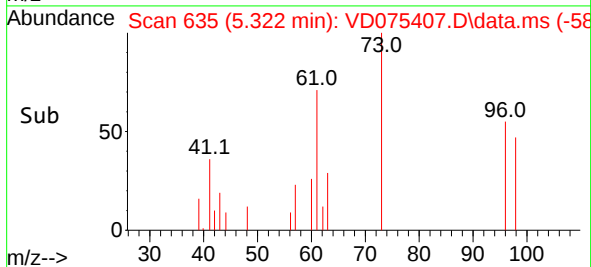
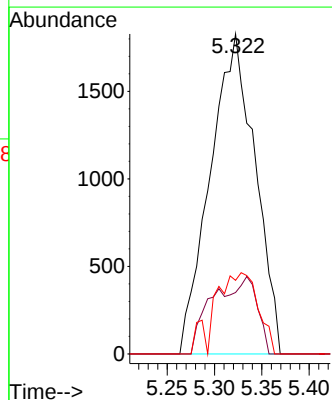
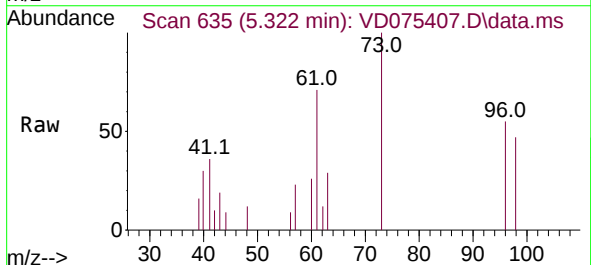
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

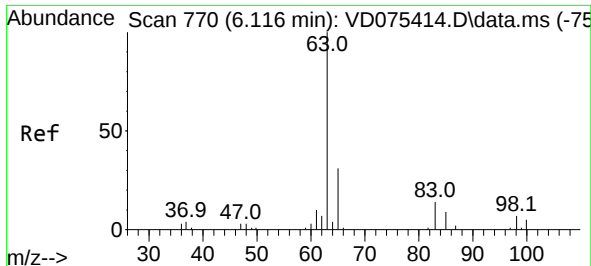
Tgt Ion: 96 Resp: 2744
Ion Ratio Lower Upper
96 100
61 137.7 90.2 167.4
98 67.9 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 2.279 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 73 Resp: 6017
Ion Ratio Lower Upper
73 100
43 9.7 17.8 26.6#
57 0.0 18.0 27.0#





#19

1,1-Dichloroethane

Concen: 2.630 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101

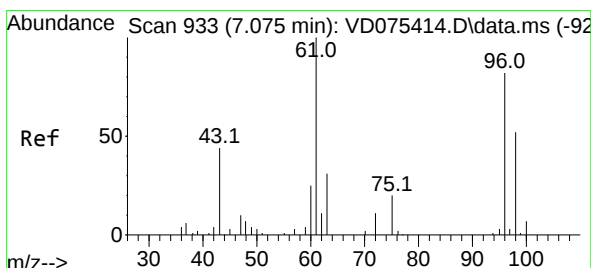
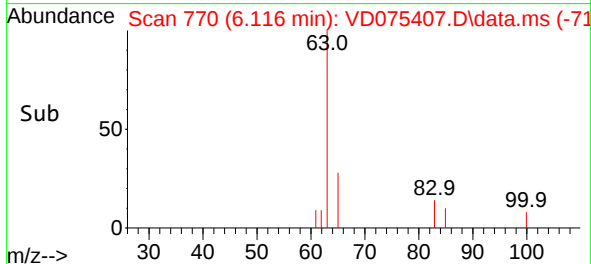
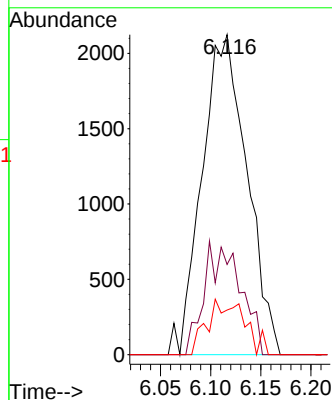
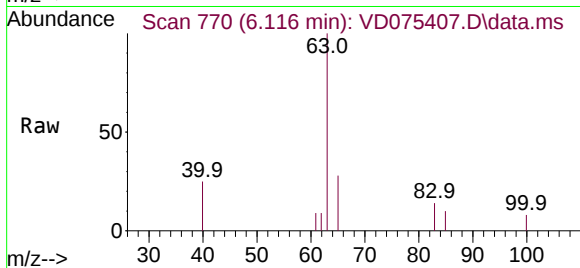
Tgt Ion: 63 Resp: 6557

Ion Ratio Lower Upper

63 100

65 28.2 21.8 40.4

83 13.9 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 2.148 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

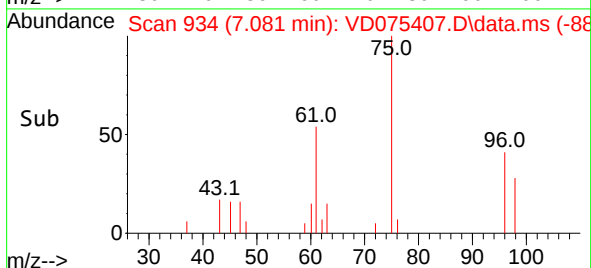
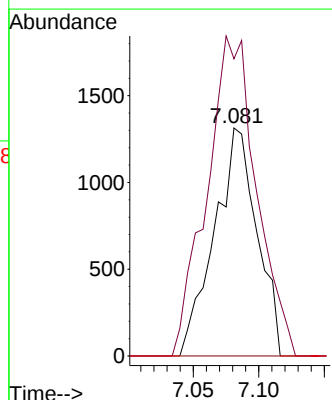
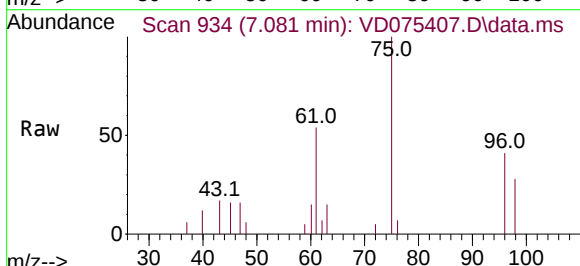
Tgt Ion: 96 Resp: 2967

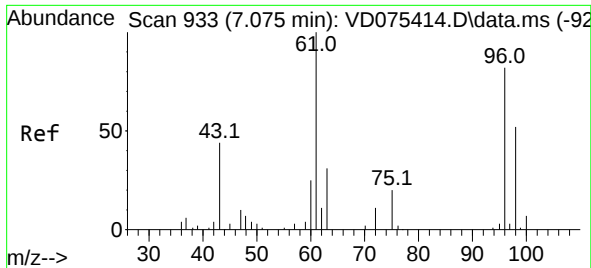
Ion Ratio Lower Upper

96 100

61 130.3 85.3 158.5

68 0.0 0.0 0.0

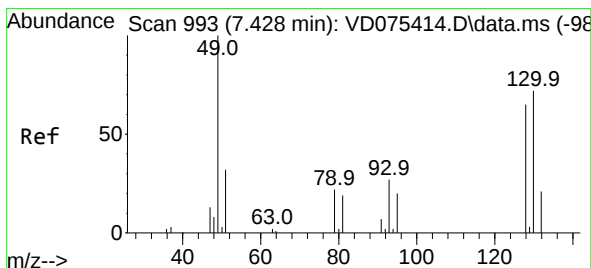
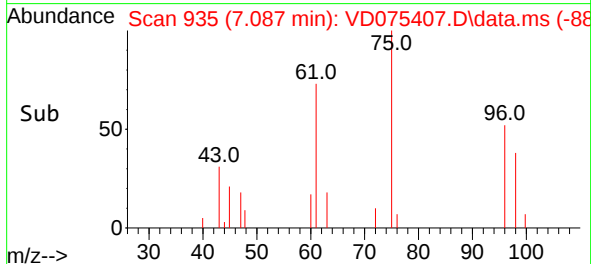
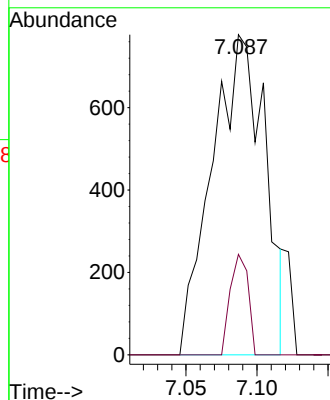
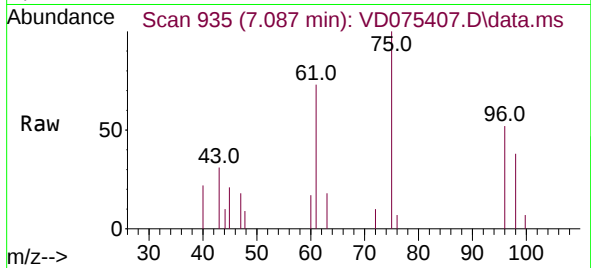




#22
2-Butanone
Concen: 5.109 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

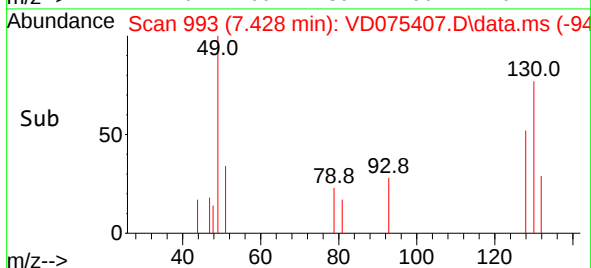
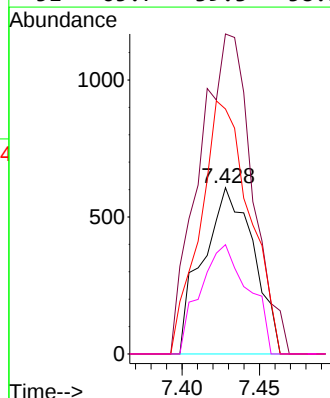
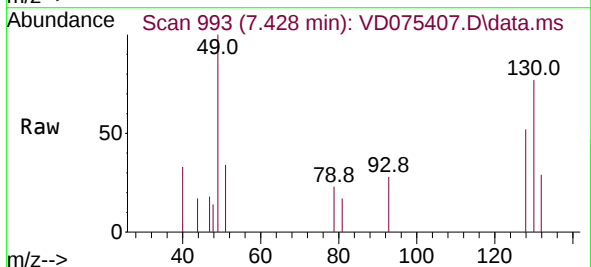
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

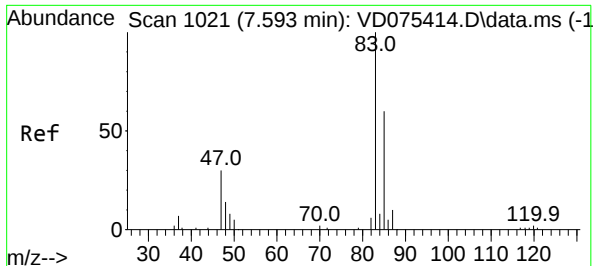
Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
72 10.7 12.8 38.3#



#23
Bromochloromethane
Concen: 2.263 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 128 Resp: 1384
Ion Ratio Lower Upper
128 100
49 192.4 108.4 201.2
130 147.3 77.9 144.7#
51 65.7 39.3 58.9#





#25

Chloroform

Concen: 2.559 ug/L

RT: 7.604 min Scan# 110

Delta R.T. 0.012 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

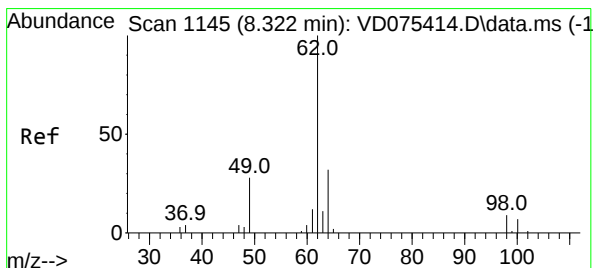
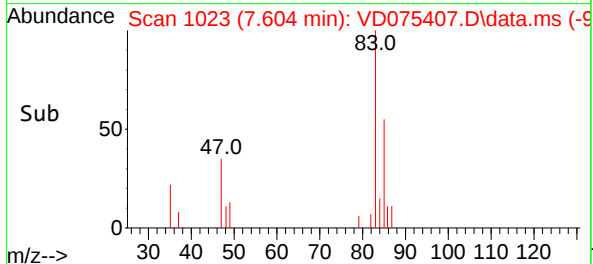
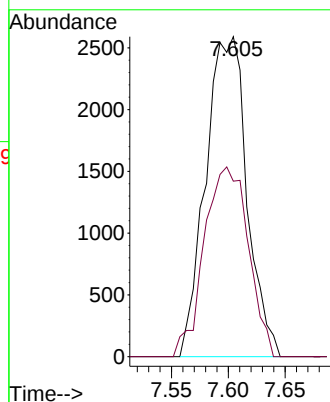
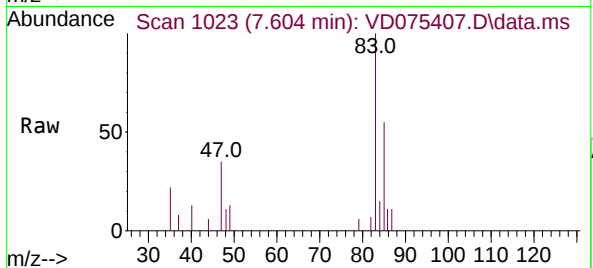
VSTD2.5101

Tgt Ion: 83 Resp: 6546

Ion Ratio Lower Upper

83 100

85 54.8 42.1 78.3



#27

1,2-Dichloroethane

Concen: 2.674 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075407.D

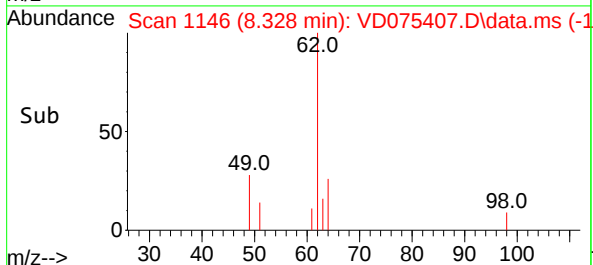
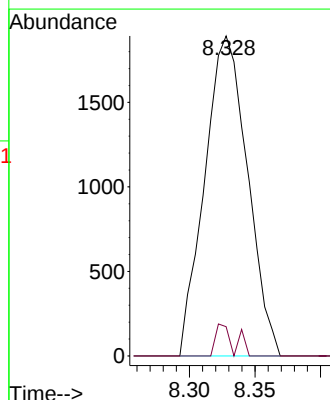
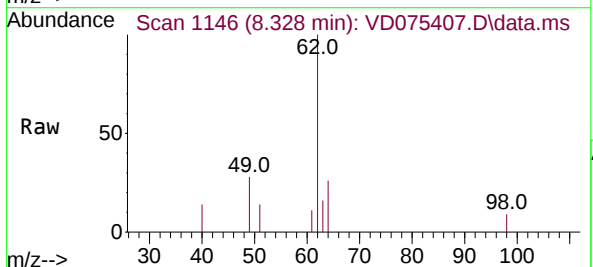
Acq: 23 Feb 2023 10:58

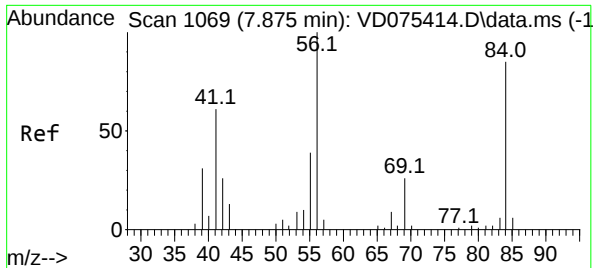
Tgt Ion: 62 Resp: 4300

Ion Ratio Lower Upper

62 100

98 9.1 6.8 10.2





#29

Cyclohexane

Concen: 1.835 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101

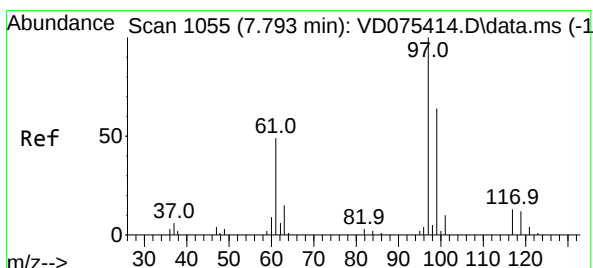
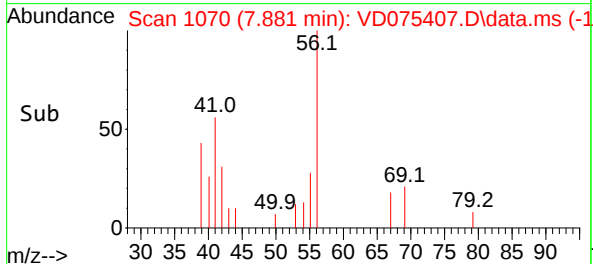
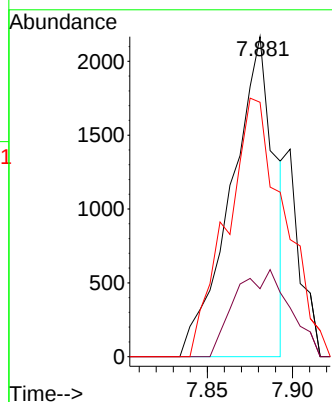
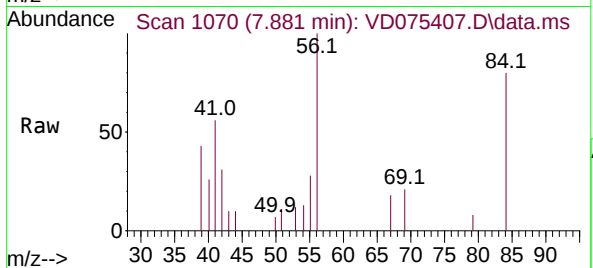
Tgt Ion: 56 Resp: 3855

Ion Ratio Lower Upper

56 100

69 18.0 23.2 34.8#

84 106.0 70.1 105.1#



#30

1,1,1-Trichloroethane

Concen: 1.335 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

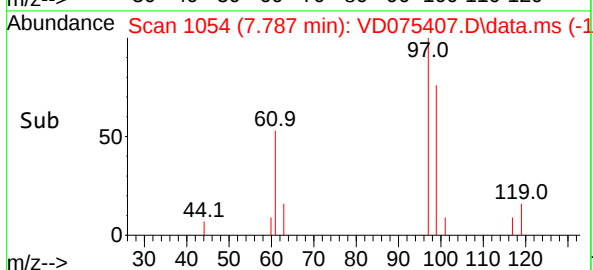
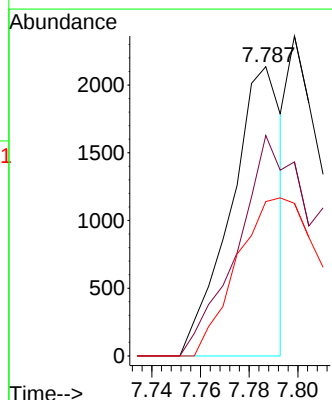
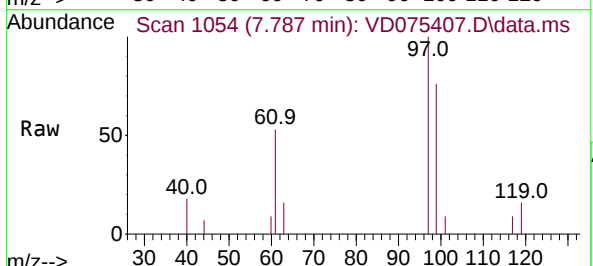
Tgt Ion: 97 Resp: 3114

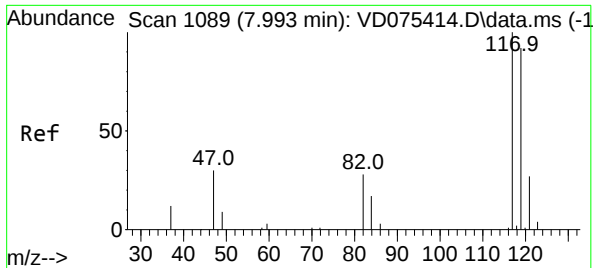
Ion Ratio Lower Upper

97 100

99 95.1 52.6 78.8#

61 88.9 37.8 56.8#

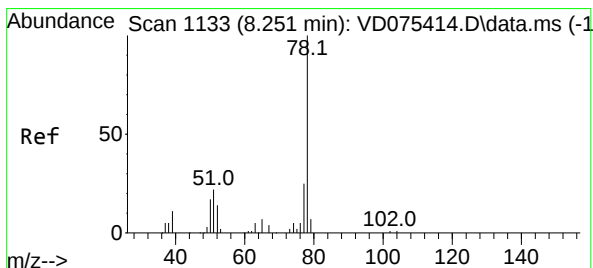
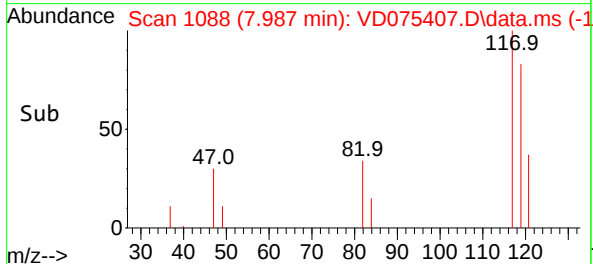
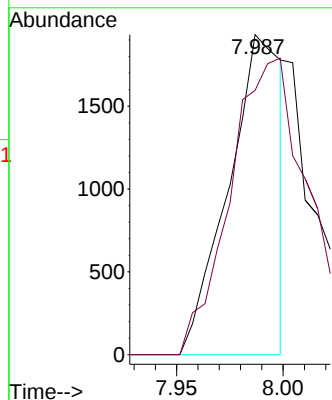
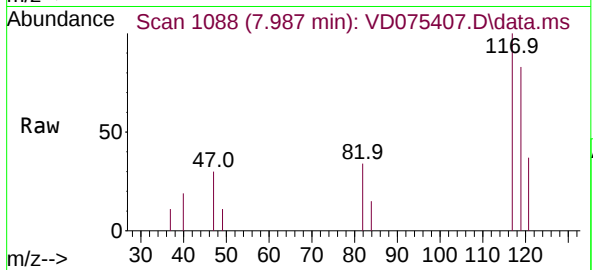




#31
Carbon tetrachloride
Concen: 1.667 ug/L
RT: 7.987 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

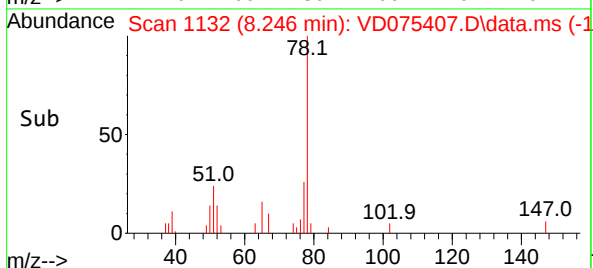
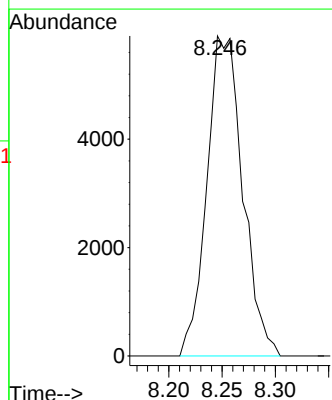
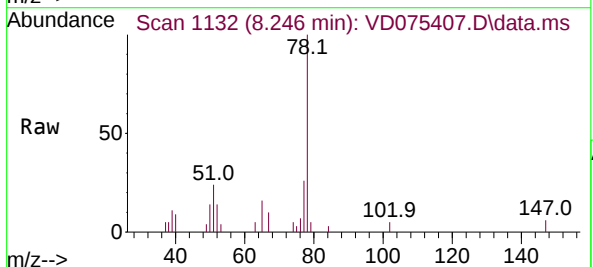
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

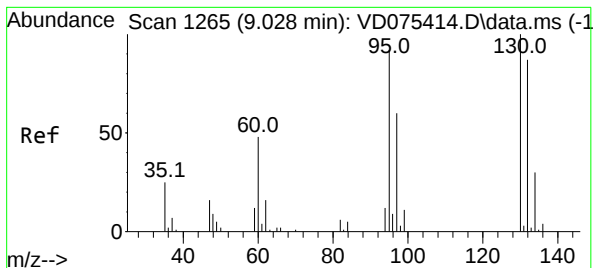
Tgt Ion:117 Resp: 3340
Ion Ratio Lower Upper
117 100
119 133.4 76.2 114.2#



#33
Benzene
Concen: 2.510 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 78 Resp: 13803





#34

Trichloroethene

Concen: 2.489 ug/L

RT: 9.028 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101

Tgt Ion: 95 Resp: 3638

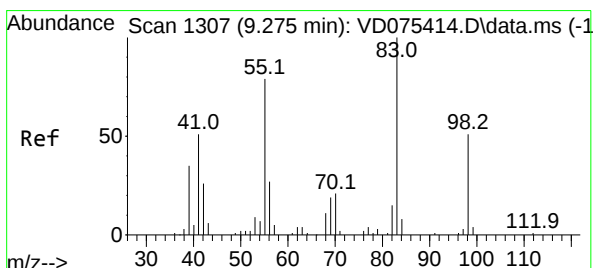
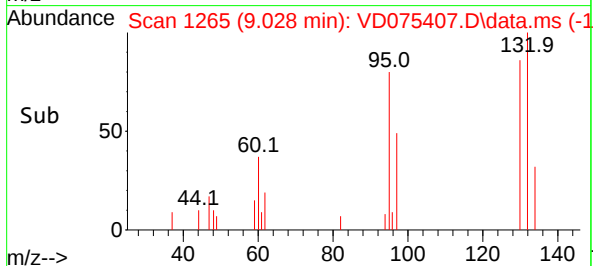
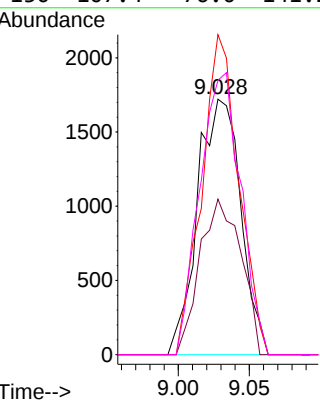
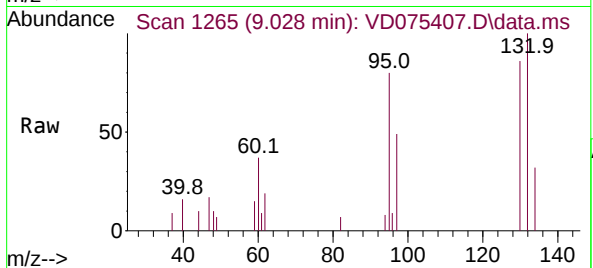
Ion Ratio Lower Upper

95 100

97 60.9 45.4 84.4

132 125.2 65.9 122.3#

130 107.4 76.0 141.2



#35

Methylcyclohexane

Concen: 2.398 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

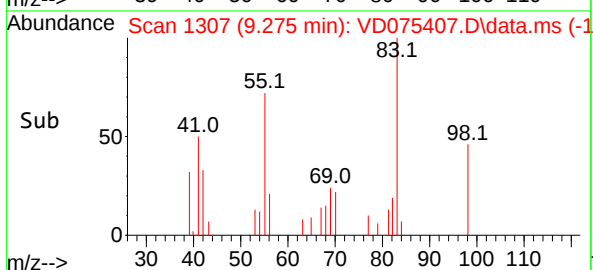
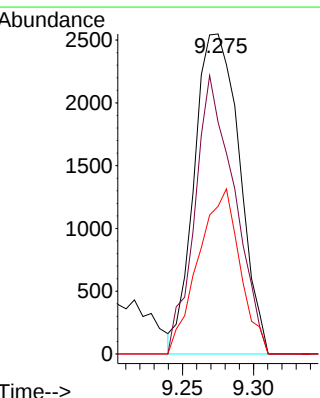
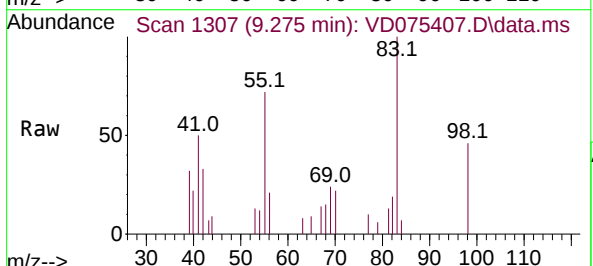
Tgt Ion: 83 Resp: 5615

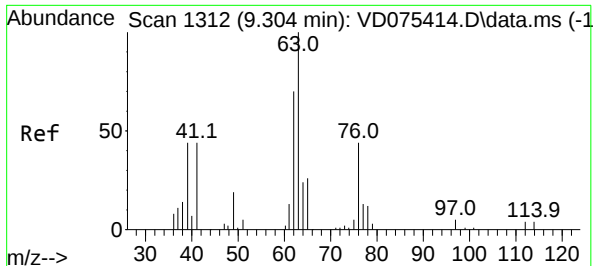
Ion Ratio Lower Upper

83 100

55 76.4 60.6 90.8

98 47.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 2.598 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

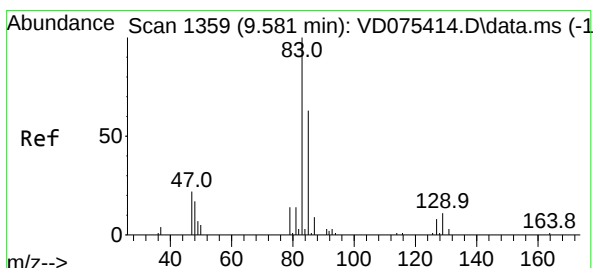
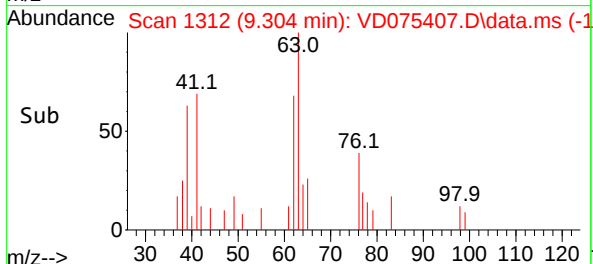
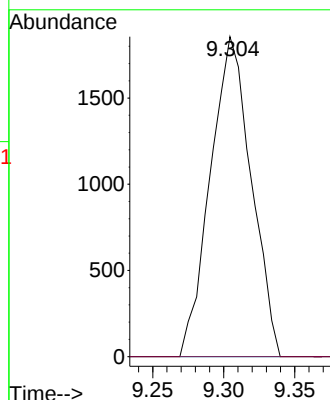
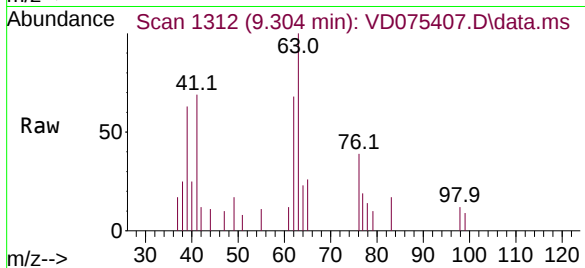
VSTD2.5101

Tgt Ion: 63 Resp: 3723

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#38

Bromodichloromethane

Concen: 2.434 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

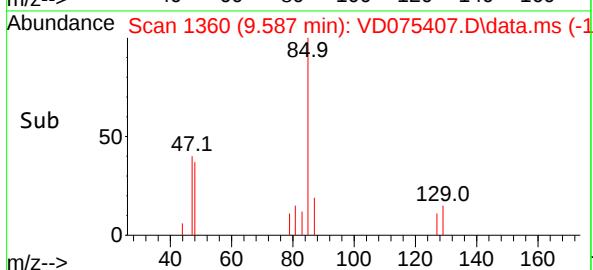
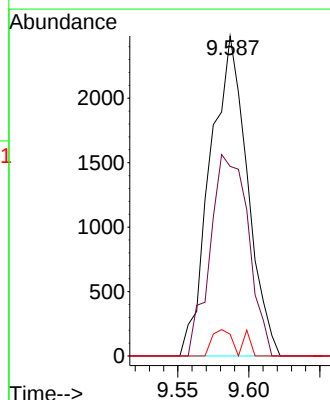
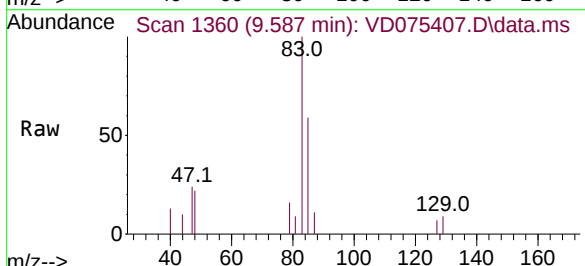
Tgt Ion: 83 Resp: 4513

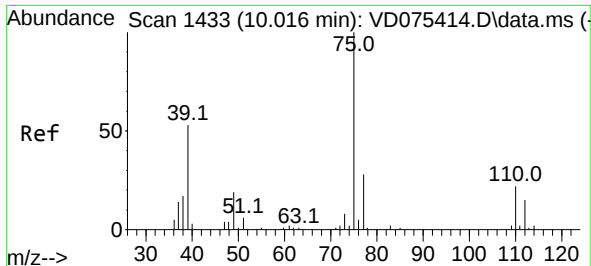
Ion Ratio Lower Upper

83 100

85 59.2 43.9 81.5

127 6.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 2.263 ug/L

RT: 10.028 min Scan# 1433

Delta R.T. 0.012 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

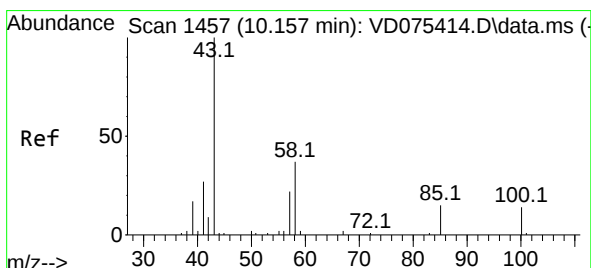
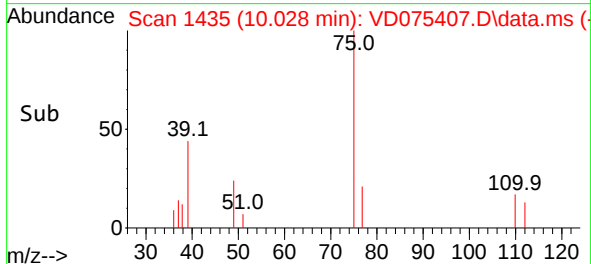
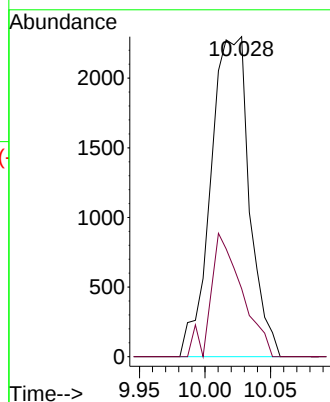
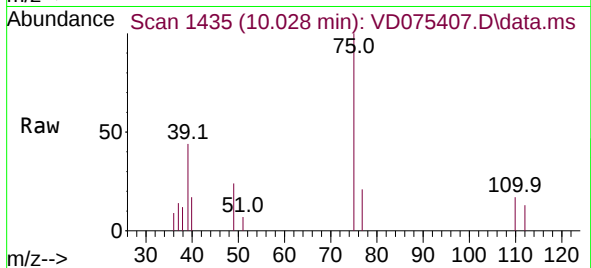
VSTD2.5101

Tgt Ion: 75 Resp: 4707

Ion Ratio Lower Upper

75 100

77 21.2 19.3 35.9



#40

4-Methyl-2-pentanone

Concen: 4.584 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

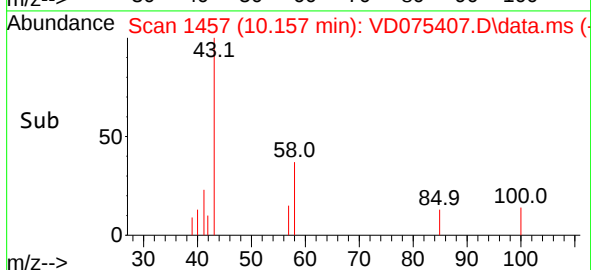
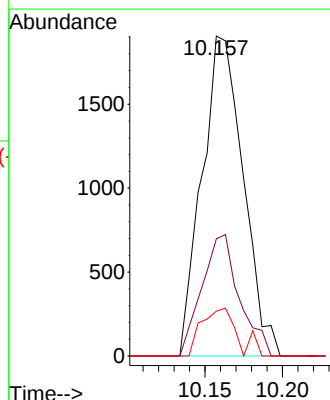
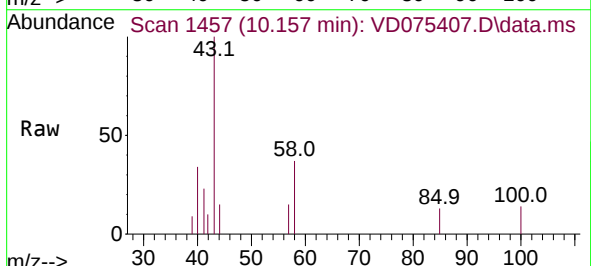
Tgt Ion: 43 Resp: 3530

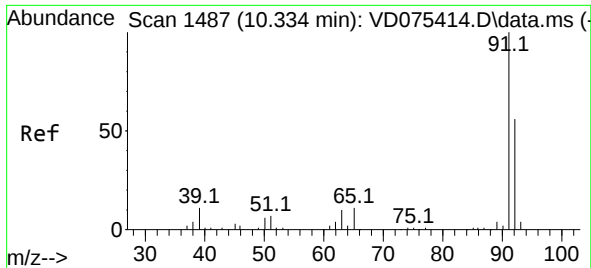
Ion Ratio Lower Upper

43 100

58 34.5 29.5 44.3

100 11.4 11.4 17.2#





#42

Toluene

Concen: 2.254 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

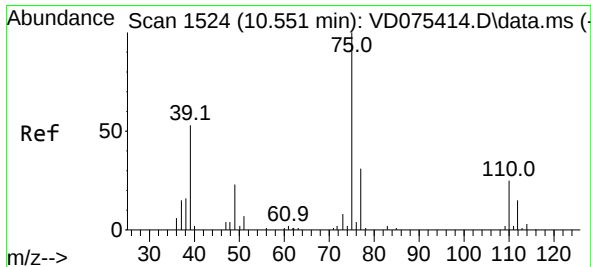
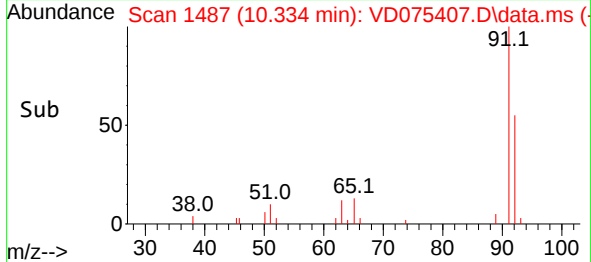
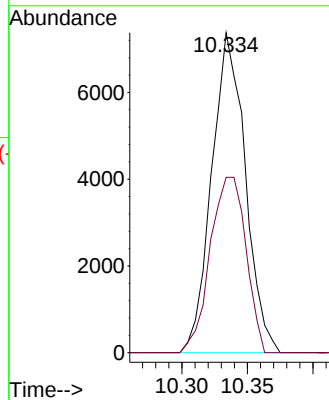
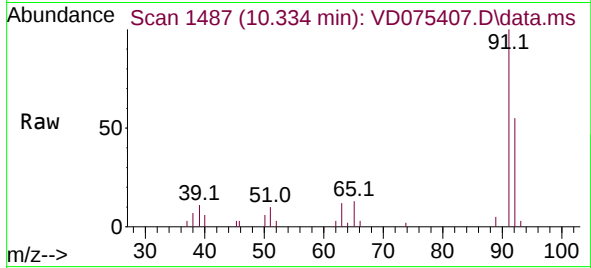
VSTD2.5101

Tgt Ion: 91 Resp: 13129

Ion Ratio Lower Upper

91 100

92 54.8 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 2.164 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD075407.D

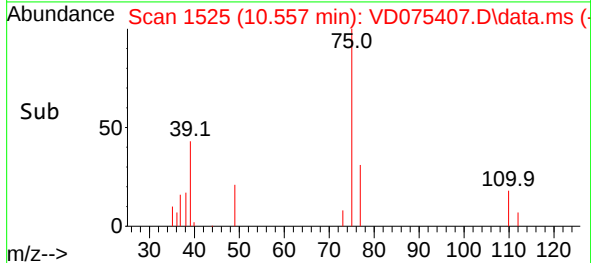
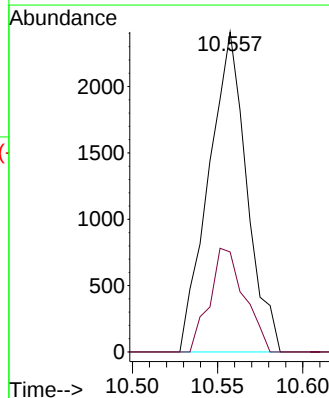
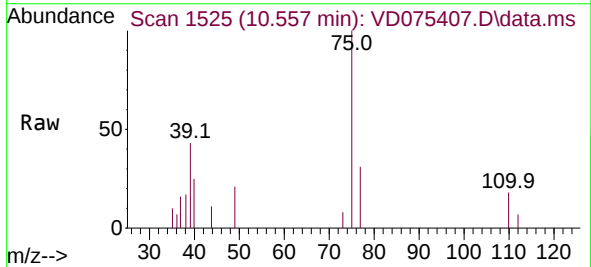
Acq: 23 Feb 2023 10:58

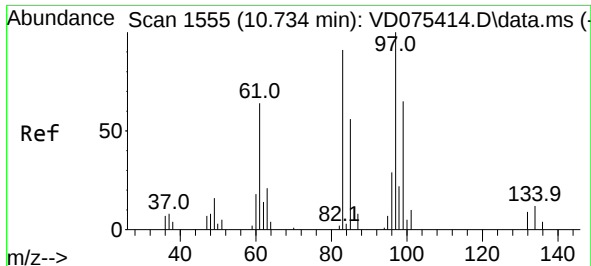
Tgt Ion: 75 Resp: 3745

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8

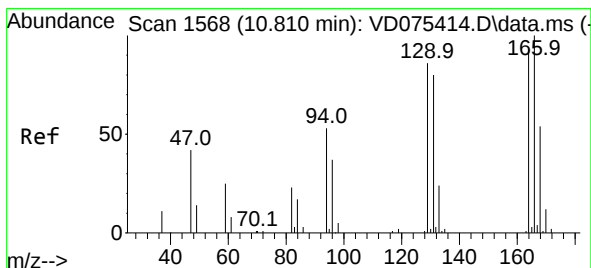
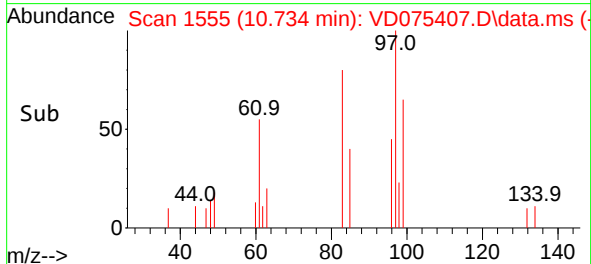
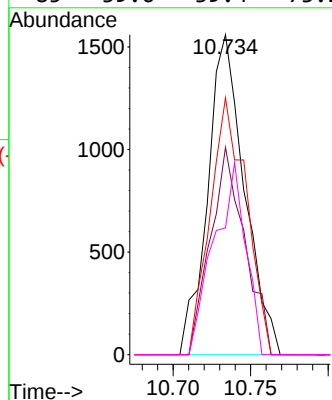
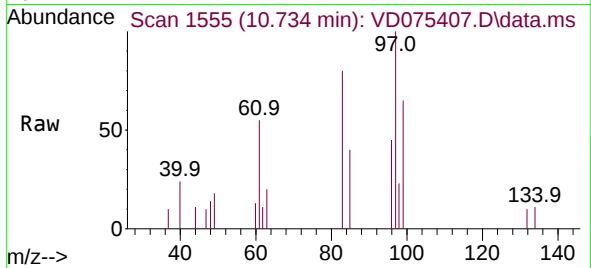




#45
1,1,2-Trichloroethane
Concen: 2.574 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

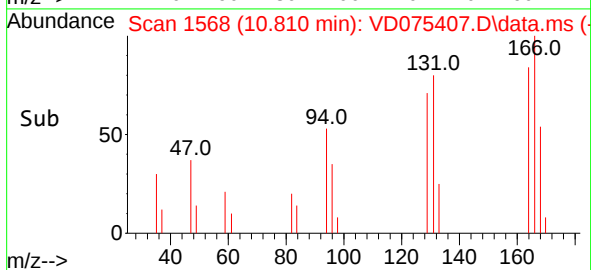
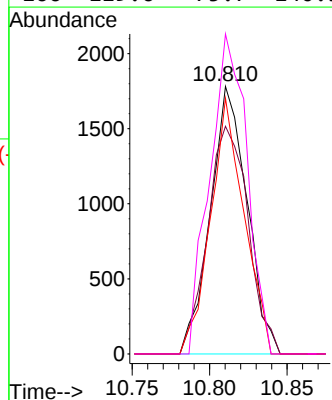
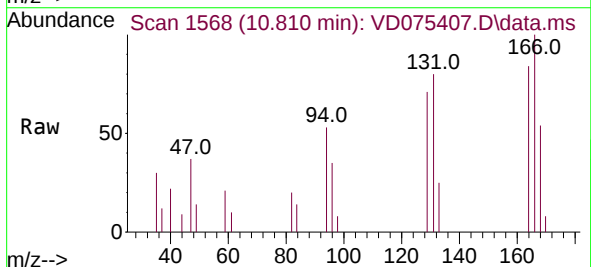
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

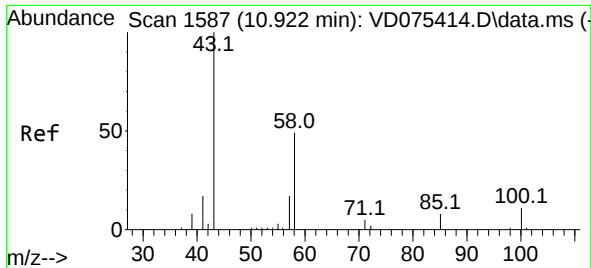
Tgt Ion:	97	Resp:	2578
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.4	84.2
83	80.3	63.8	118.6
85	39.6	39.4	73.2



#46
Tetrachloroethene
Concen: 2.545 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion:	164	Resp:	2935
Ion	Ratio	Lower	Upper
164	100		
129	85.1	64.8	120.4
131	95.6	60.1	111.5
166	119.6	75.7	140.5

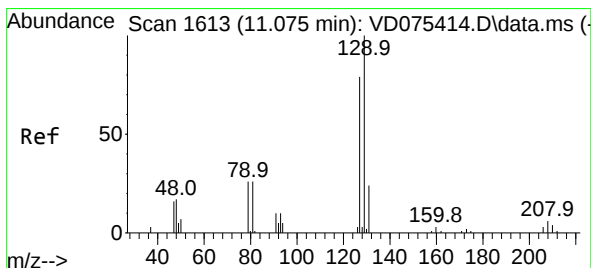
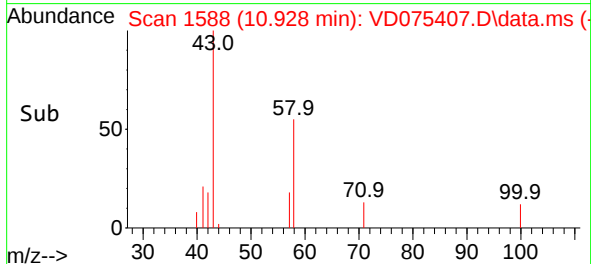
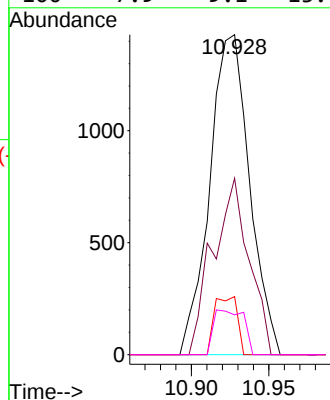
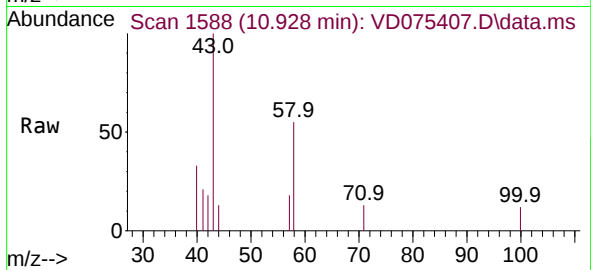




#48
2-Hexanone
Concen: 4.495 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

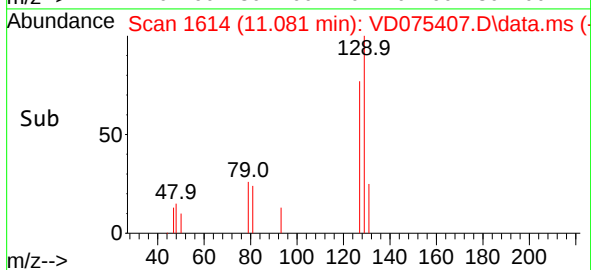
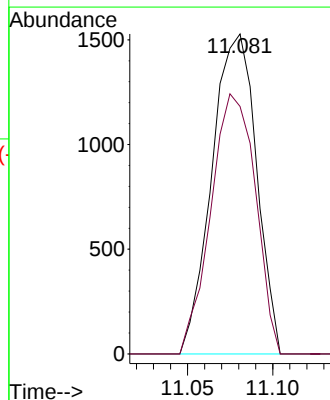
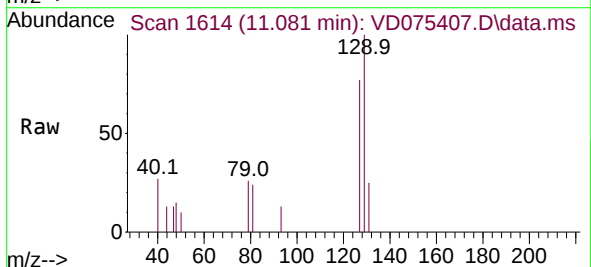
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

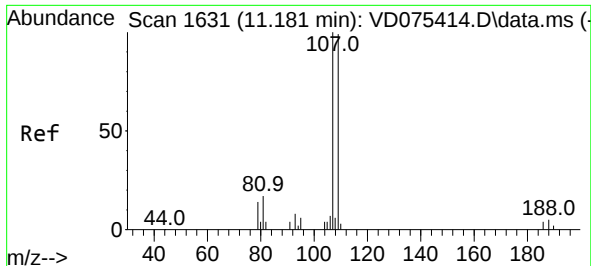
Tgt Ion: 43	Resp: 2561
Ion Ratio	Lower Upper
43 100	
58 49.9	40.3 60.5
57 10.3	13.4 20.0#
100 7.9	9.1 13.7#



#49
Dibromochloromethane
Concen: 2.362 ug/L
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion:129	Resp:	2781	
Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.3	102.7

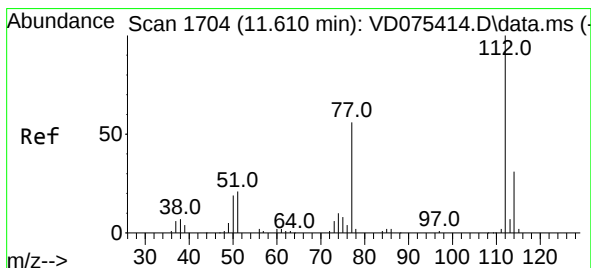
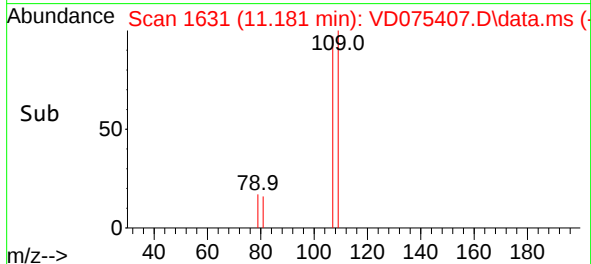
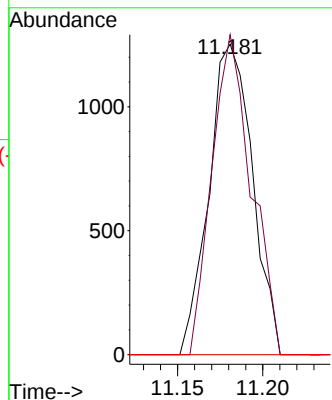
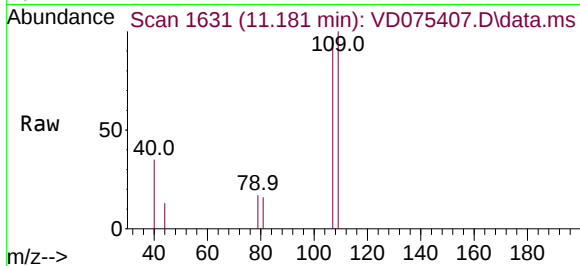




#50
1,2-Dibromoethane
Concen: 2.401 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

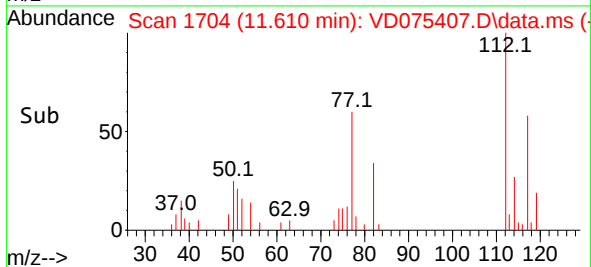
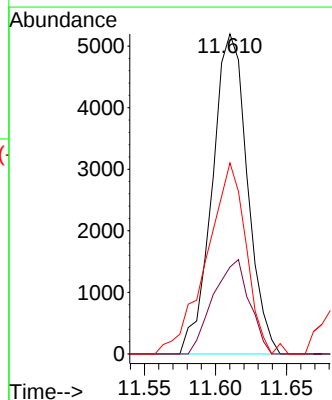
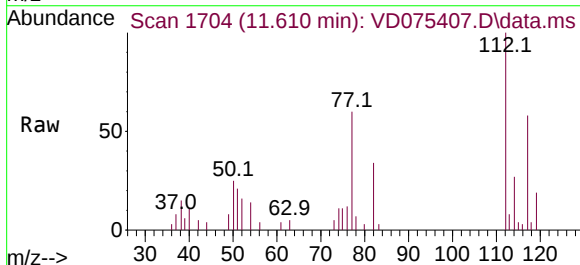
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

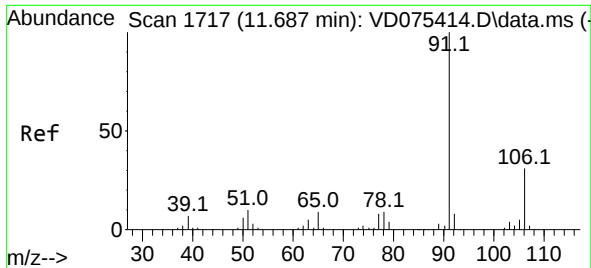
Tgt Ion:107 Resp: 2222
Ion Ratio Lower Upper
107 100
109 103.0 69.6 129.2
188 0.0 3.8 5.6#



#51
Chlorobenzene
Concen: 2.424 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion:112 Resp: 8954
Ion Ratio Lower Upper
112 100
114 27.2 21.4 39.8
77 59.7 45.1 67.7

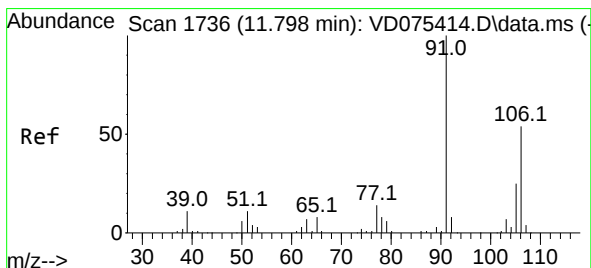
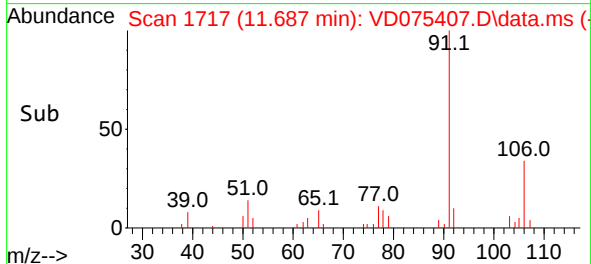
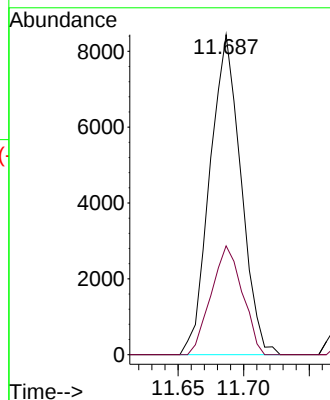
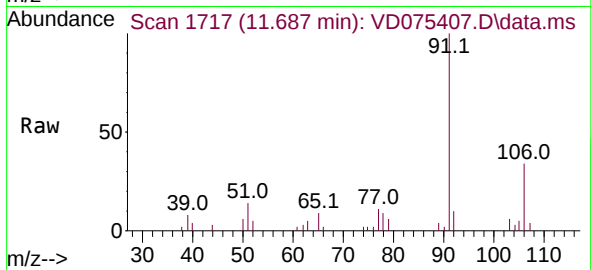




#52
Ethylbenzene
Concen: 2.159 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

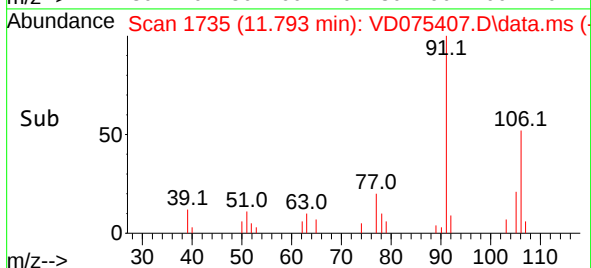
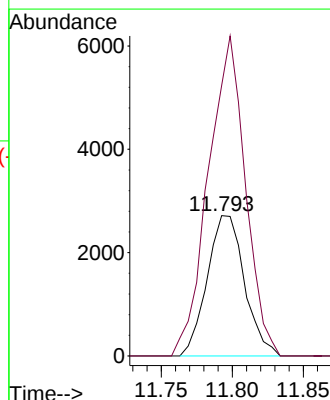
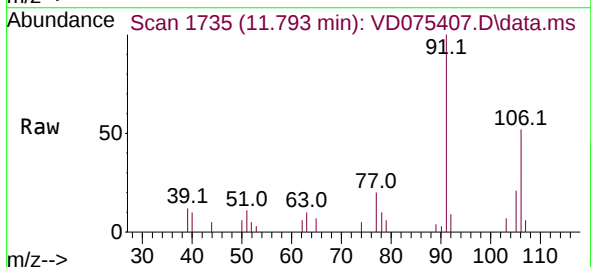
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

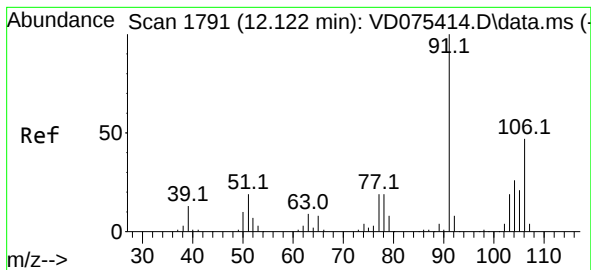
Tgt Ion: 91 Resp: 13896
Ion Ratio Lower Upper
91 100
106 34.0 21.8 40.6



#53
m,p-Xylene
Concen: 2.044 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 106 Resp: 4960
Ion Ratio Lower Upper
106 100
91 192.7 131.2 243.6





#54

o-Xylene

Concen: 2.088 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

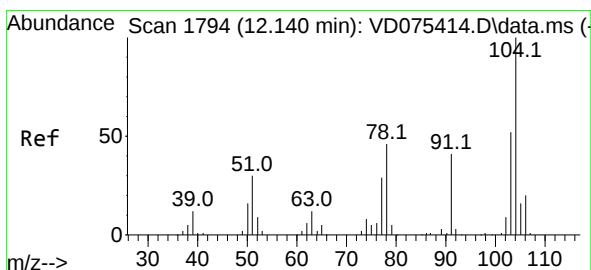
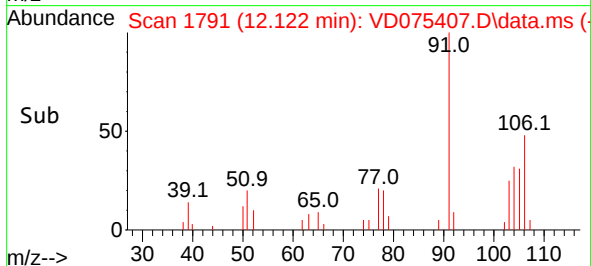
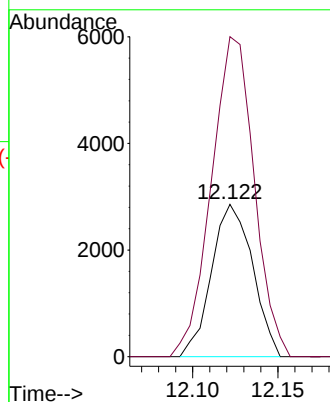
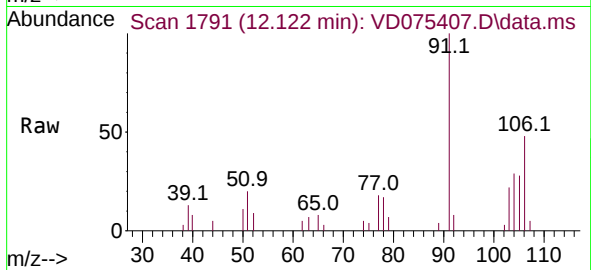
VSTD2.5101

Tgt Ion:106 Resp: 4789

Ion Ratio Lower Upper

106 100

91 210.0 147.7 274.3



#55

Styrene

Concen: 2.019 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD075407.D

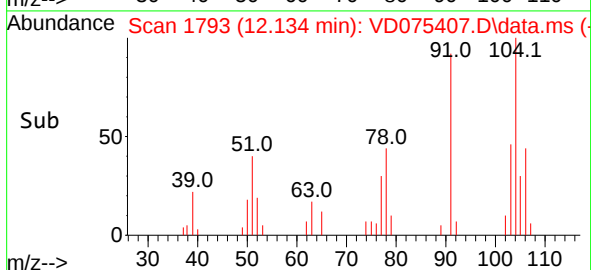
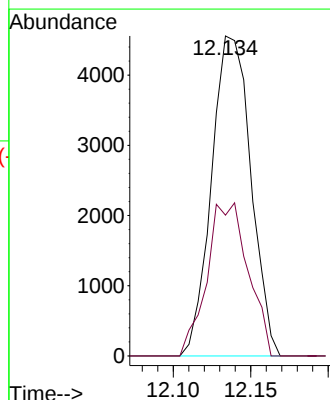
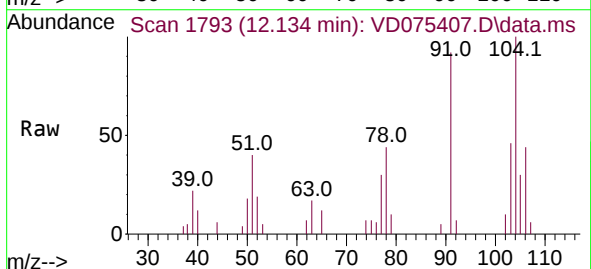
Acq: 23 Feb 2023 10:58

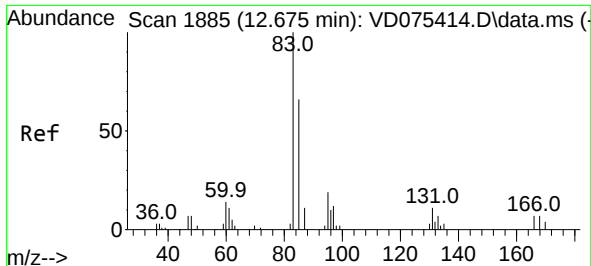
Tgt Ion:104 Resp: 8045

Ion Ratio Lower Upper

104 100

78 44.0 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.569 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101

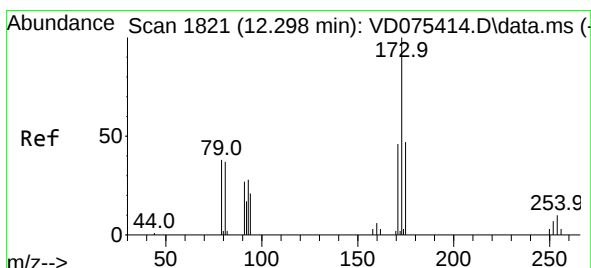
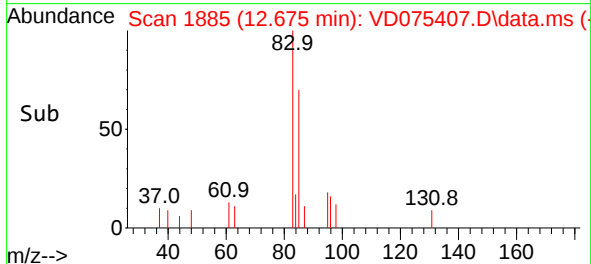
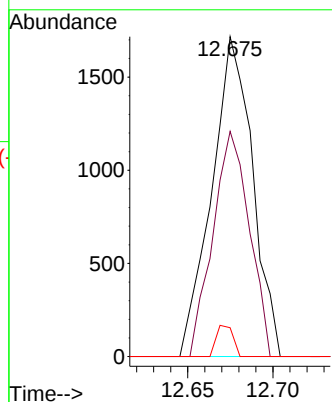
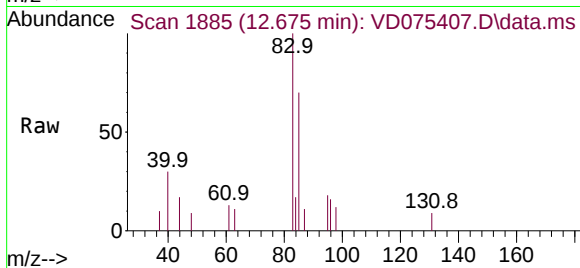
Tgt Ion: 83 Resp: 2858

Ion Ratio Lower Upper

83 100

85 70.4 45.9 85.3

131 9.0 9.0 13.6#



#59

Bromoform

Concen: 2.626 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

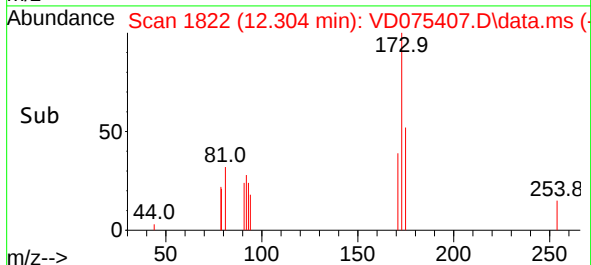
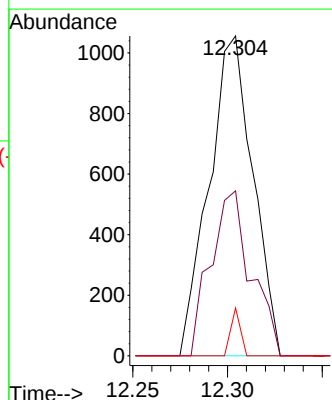
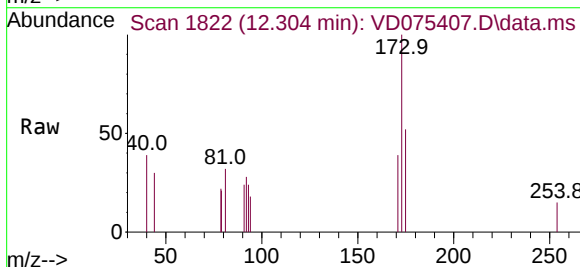
Tgt Ion: 173 Resp: 1701

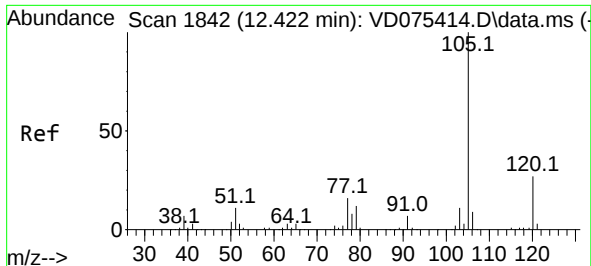
Ion Ratio Lower Upper

173 100

175 47.7 37.7 56.5

254 0.0 7.0 10.4#

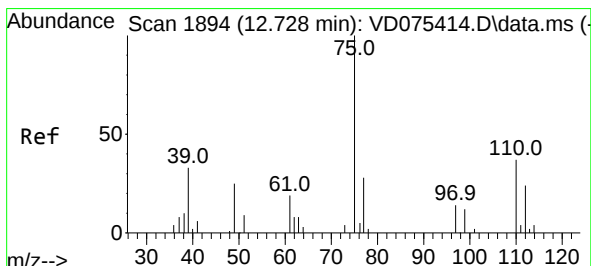
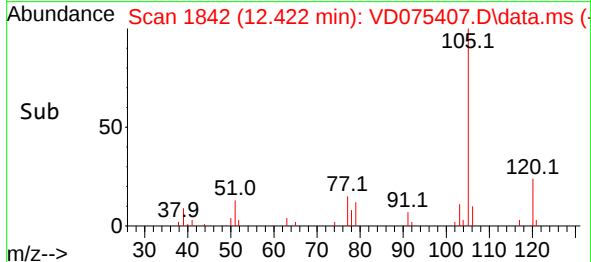
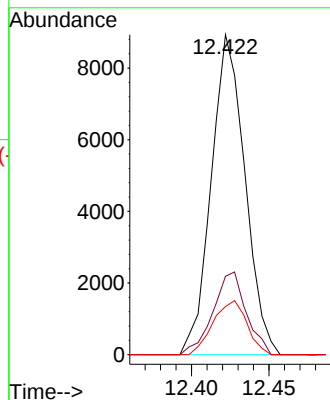
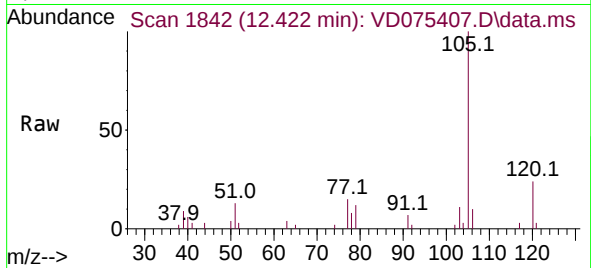




#60
Isopropylbenzene
Concen: 2.297 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

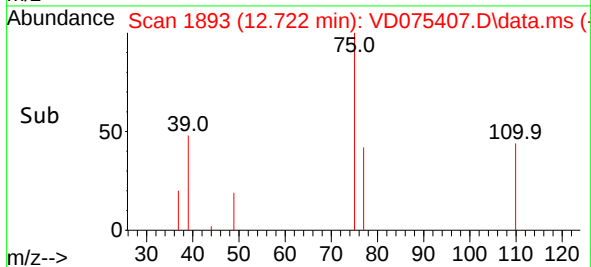
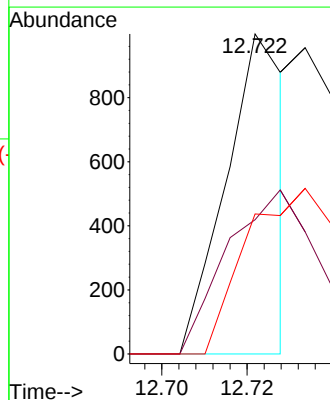
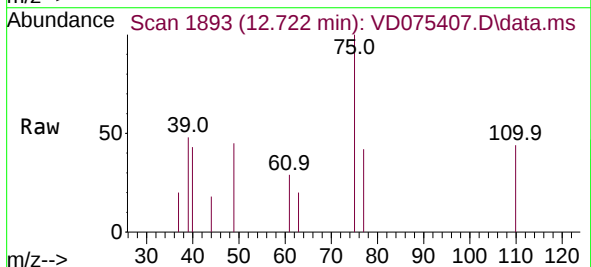
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

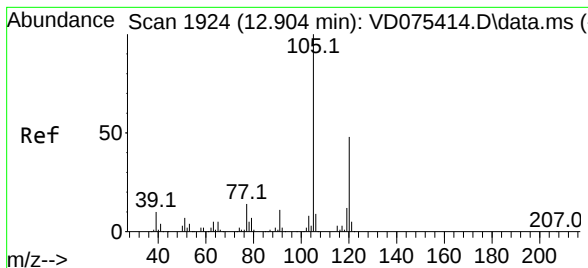
Tgt Ion:105 Resp: 13503
Ion Ratio Lower Upper
105 100
120 25.5 20.8 31.2
77 17.0 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 1.402 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion: 75 Resp: 968
Ion Ratio Lower Upper
75 100
77 82.7 24.6 36.8#
110 79.1 32.4 48.6#





#62

1,3,5-Trimethylbenzene

Concen: 2.178 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

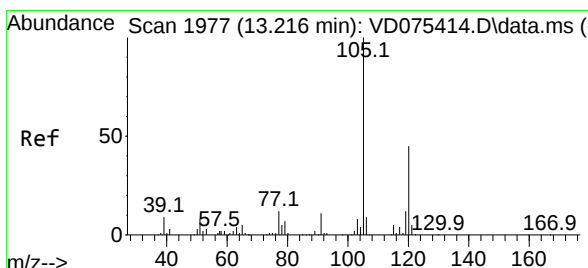
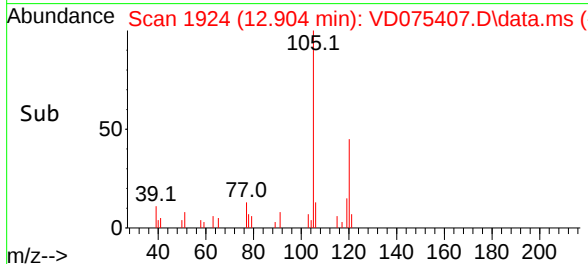
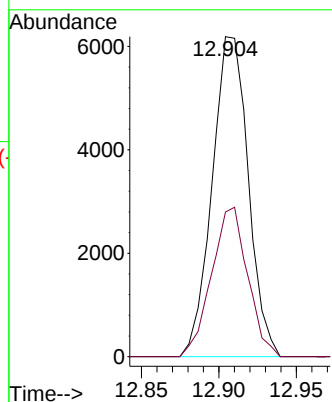
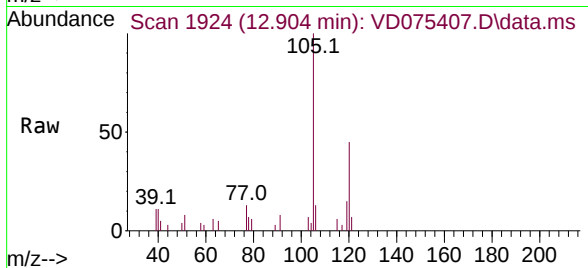
VSTD2.5101

Tgt Ion:105 Resp: 10035

Ion Ratio Lower Upper

105 100

120 46.6 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 2.153 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075407.D

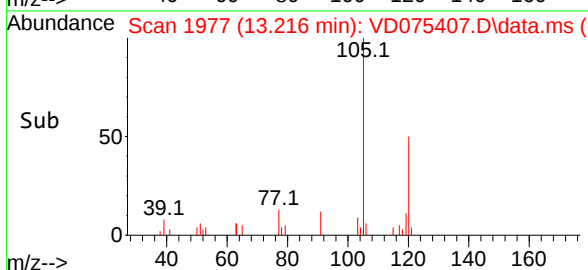
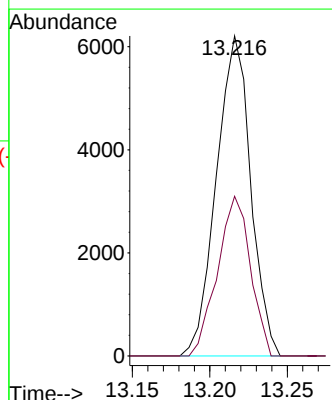
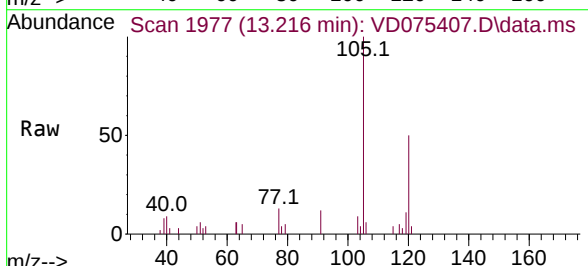
Acq: 23 Feb 2023 10:58

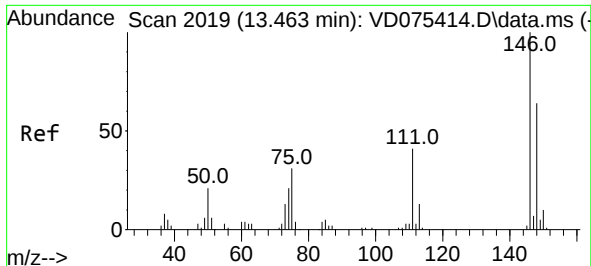
Tgt Ion:105 Resp: 9559

Ion Ratio Lower Upper

105 100

120 47.9 36.3 54.5

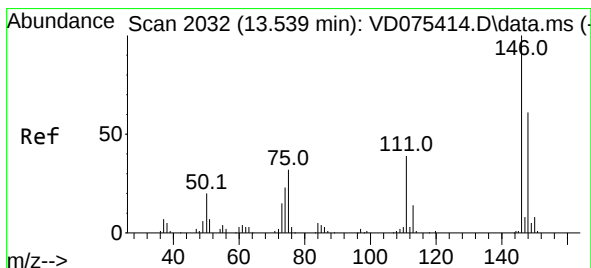
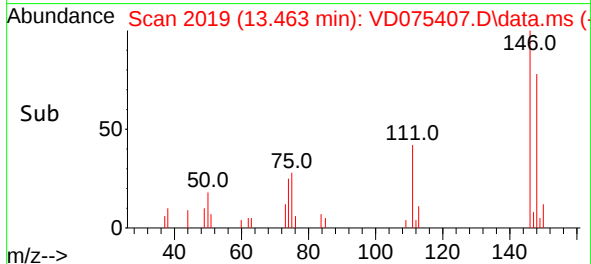
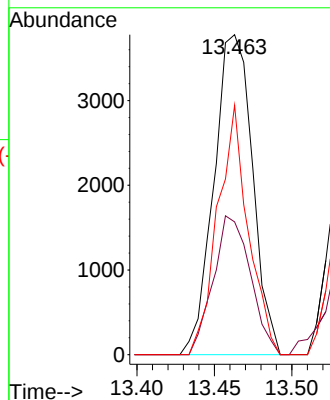
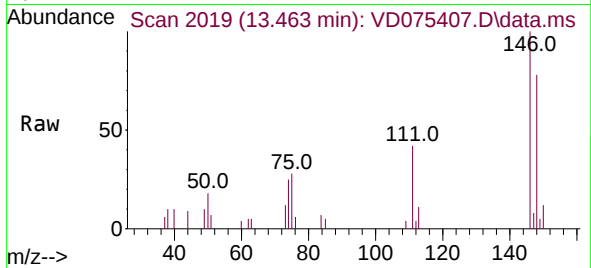




#64
1,3-Dichlorobenzene
Concen: 2.557 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

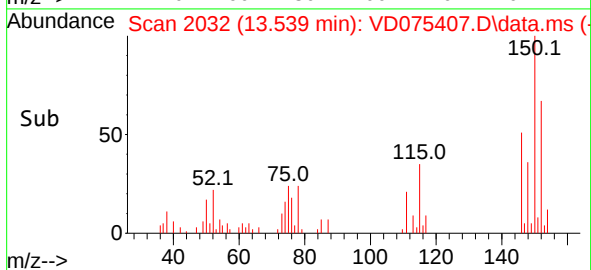
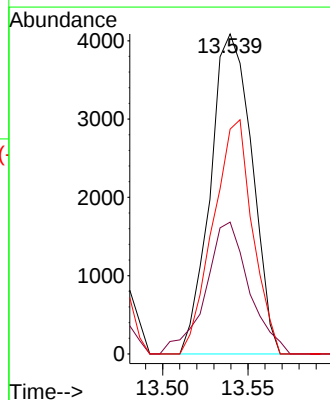
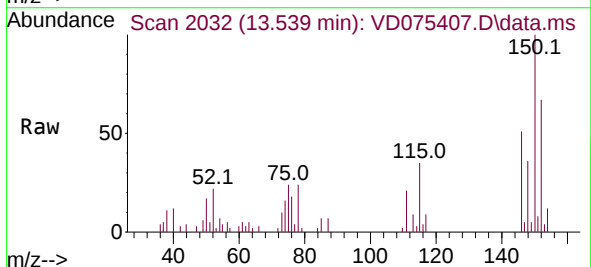
Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5101

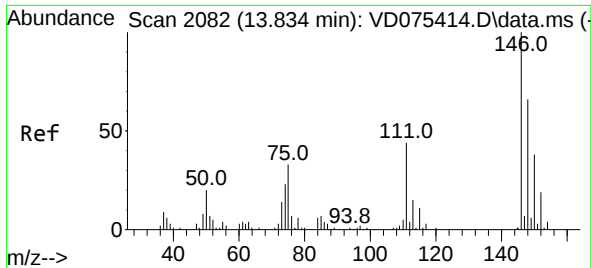
Tgt Ion:146 Resp: 6544
Ion Ratio Lower Upper
146 100
111 41.5 28.8 53.4
148 78.0 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 2.663 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075407.D
Acq: 23 Feb 2023 10:58

Tgt Ion:146 Resp: 6955
Ion Ratio Lower Upper
146 100
111 41.2 27.9 51.7
148 70.3 43.3 80.5

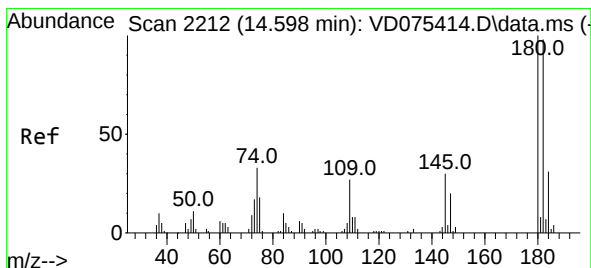
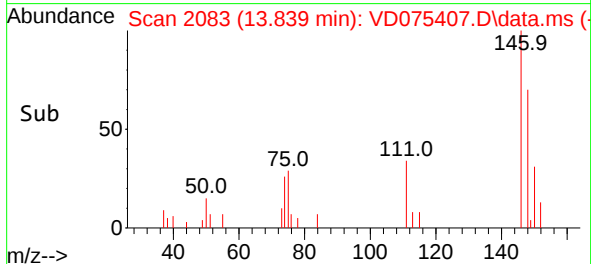
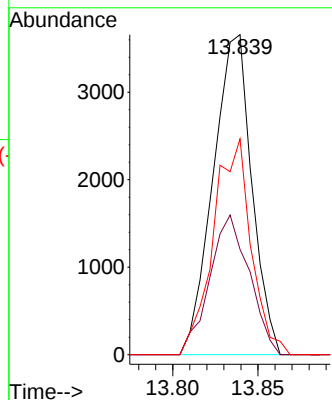
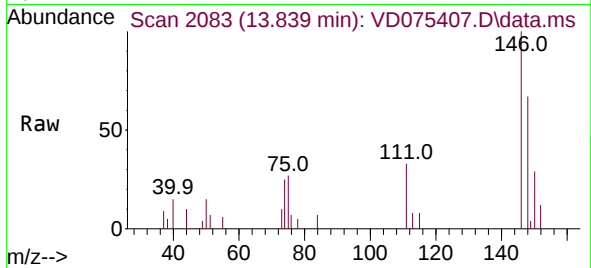




#67
 1,2-Dichlorobenzene
 Concen: 2.577 ug/L
 RT: 13.839 min Scan# 2083
 Delta R.T. 0.006 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

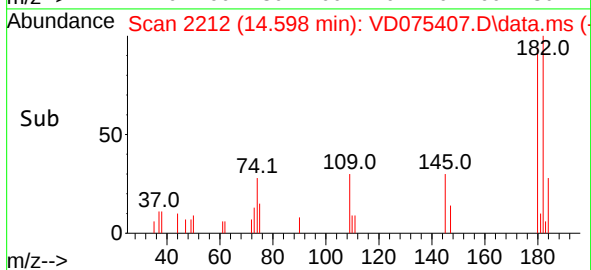
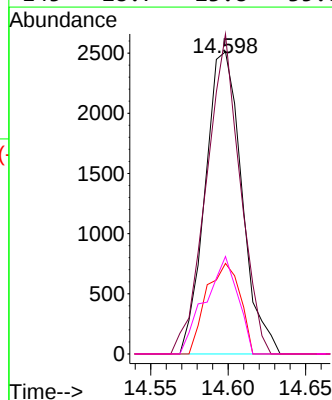
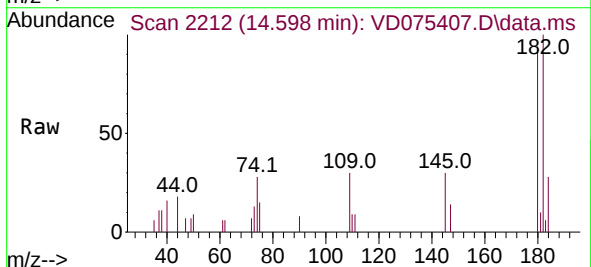
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5101

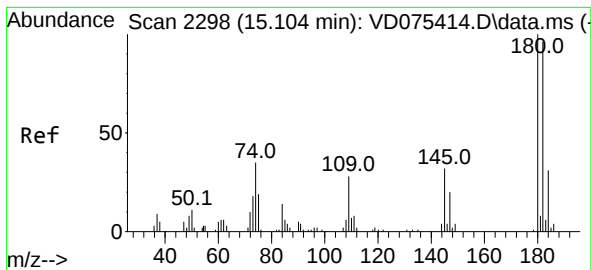
Tgt Ion:146 Resp: 5781
 Ion Ratio Lower Upper
 146 100
 111 32.9 35.0 52.6#
 148 67.4 52.7 79.1



#69
 1,3,5-Trichlorobenzene
 Concen: 2.446 ug/L
 RT: 14.598 min Scan# 2212
 Delta R.T. 0.000 min
 Lab File: VD075407.D
 Acq: 23 Feb 2023 10:58

Tgt Ion:180 Resp: 4125
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.0 112.6
 184 27.5 23.8 35.6
 145 28.7 23.8 35.8





#70

1,2,4-trichlorobenzene

Concen: 2.396 ug/L

RT: 15.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101

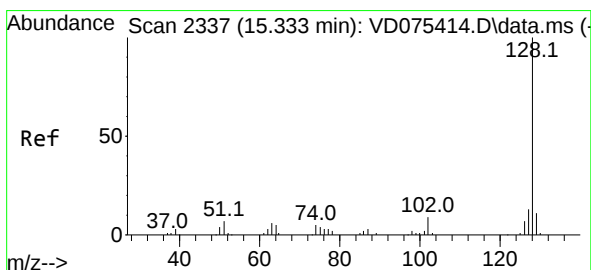
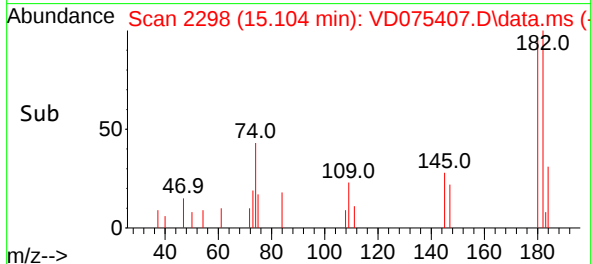
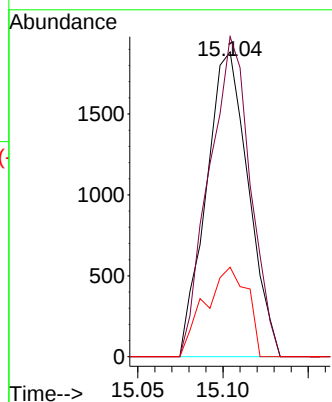
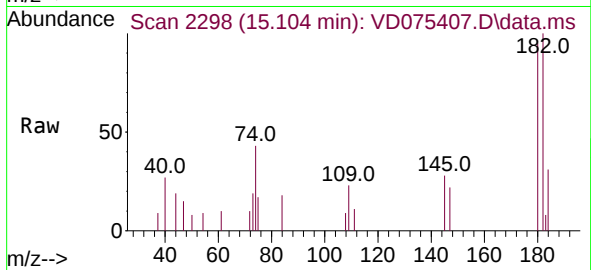
Tgt Ion:180 Resp: 3251

Ion Ratio Lower Upper

180 100

182 102.4 77.1 115.7

145 29.5 23.8 35.6



#71

Naphthalene

Concen: 2.239 ug/L

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD075407.D

Acq: 23 Feb 2023 10:58

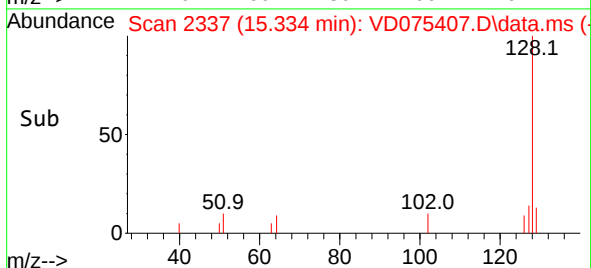
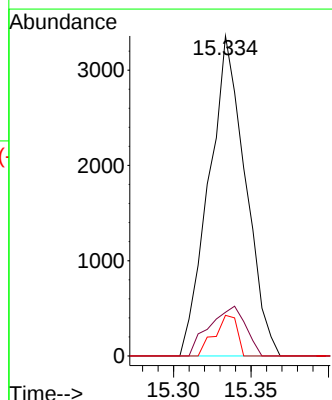
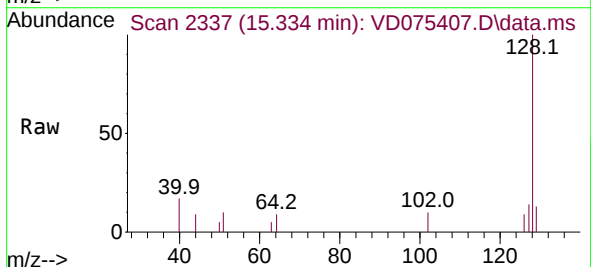
Tgt Ion:128 Resp: 5493

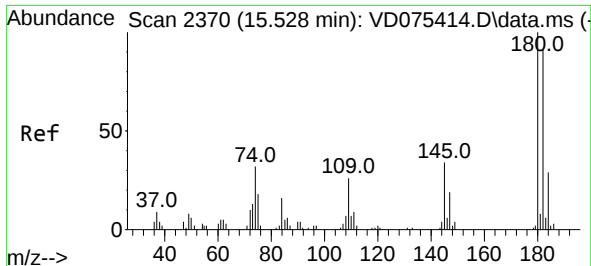
Ion Ratio Lower Upper

128 100

127 15.4 10.6 16.0

129 7.9 8.6 12.8#





#72

1,2,3-Trichlorobenzene

Concen: 2.216 ug/L

RT: 15.528 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075407.D

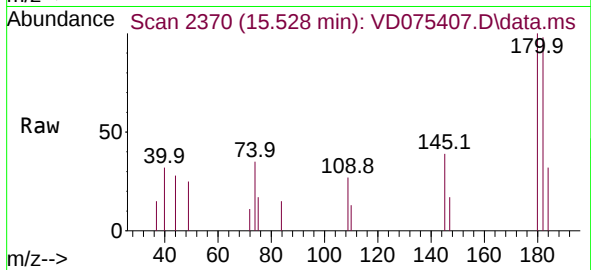
Acq: 23 Feb 2023 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD2.5101



Tgt Ion:	180	Resp:	2593
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.4	113.2
145	21.4	26.6	39.8#

