

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076432.D
 Acq On : 15 Jun 2023 11:09
 Operator : KP/SY
 Sample : VSTD00553
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005153

Quant Time: Jun 16 01:14:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:13:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	265301	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	235509	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.521	152	111648	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	35252	5.456	ug/L	0.00
7) Chloroethane-d5	2.799	69	28763	5.500	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.910	65	8960	5.313	ug/L	0.00
21) 2-Butanone-d5	6.992	46	9778	9.346	ug/L	0.00
24) Chloroform-d	7.569	84	35280	5.047	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	17200	4.988	ug/L	0.00
32) Benzene-d6	8.198	84	73014	5.068	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	23201	5.045	ug/L	0.00
41) Toluene-d8	10.269	98	66347	4.974	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	9776	5.111	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	6783	9.502	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.657	84	16125	4.929	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	20332	4.968	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	20718	5.012	ug/L	98
3) Chloromethane	2.146	50	36299	5.282	ug/L	99
5) Vinyl chloride	2.281	62	37752	5.092	ug/L	91
6) Bromomethane	2.687	94	19316	4.704	ug/L	89
8) Chloroethane	2.834	64	22541	4.964	ug/L	93
9) Trichlorofluoromethane	3.169	101	27003	5.037	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	17203	4.948	ug/L	98
12) 1,1-Dichloroethene	3.934	96	17190	4.973	ug/L	94
13) Acetone	4.022	43	8057	10.164	ug/L	98
14) Carbon disulfide	4.269	76	63243	5.067	ug/L	97
15) Methyl Acetate	4.569	43	9171	4.811	ug/L #	85
16) Methylene chloride	4.798	84	25116	5.439	ug/L	87
17) trans-1,2-Dichloroethene	5.310	96	11988	3.111	ug/L	94
18) Methyl tert-butyl Ether	5.310	73	41771	4.780	ug/L #	84
19) 1,1-Dichloroethane	6.110	63	34342	4.893	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	21164	4.920	ug/L	85
22) 2-Butanone	7.081	43	9650	7.149	ug/L #	66
23) Bromochloromethane	7.428	128	9200	5.056	ug/L	90
25) Chloroform	7.598	83	34054	4.972	ug/L	97
27) 1,2-Dichloroethane	8.322	62	21093	5.008	ug/L	95
29) Cyclohexane	7.869	56	31262	4.992	ug/L	98
30) 1,1,1-Trichloroethane	7.792	97	27711	5.065	ug/L	97
31) Carbon tetrachloride	7.986	117	20874	4.771	ug/L	100
33) Benzene	8.245	78	76552	4.911	ug/L	100
34) Trichloroethene	9.028	95	19899	4.970	ug/L	95
35) Methylcyclohexane	9.269	83	31573	4.890	ug/L	97
37) 1,2-Dichloropropane	9.304	63	20975	4.936	ug/L #	93
38) Bromodichloromethane	9.581	83	23620	4.873	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	30946	4.769	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	25718	9.728	ug/L	99
42) Toluene	10.333	91	81306	4.881	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	24418	4.630	ug/L	98

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

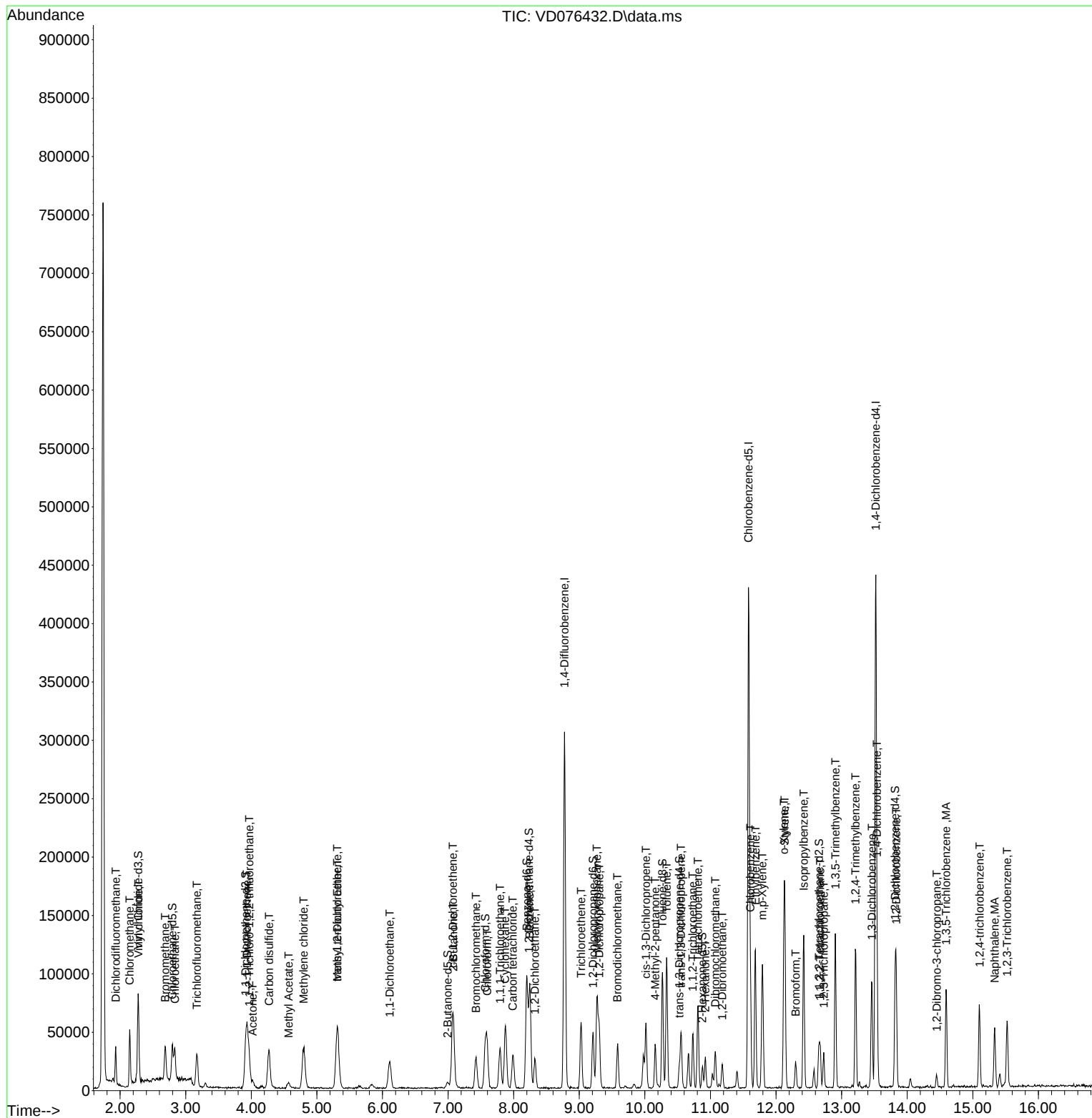
45) 1,1,2-Trichloroethane	10.728	97	14652	5.027	ug/L	97
46) Tetrachloroethene	10.810	164	15416	4.897	ug/L	94
48) 2-Hexanone	10.922	43	17881	9.876	ug/L	98
49) Dibromochloromethane	11.075	129	15124	4.566	ug/L	92
50) 1,2-Dibromoethane	11.180	107	13599	4.807	ug/L	85
51) Chlorobenzene	11.610	112	50695	4.875	ug/L	95
52) Ethylbenzene	11.686	91	86125	4.797	ug/L	98
53) m,p-Xylene	11.792	106	33017	4.680	ug/L	93
54) o-Xylene	12.122	106	32385	4.821	ug/L	99
55) Styrene	12.133	104	54674	4.711	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.674	83	15884	4.768	ug/L #	90
59) Bromoform	12.298	173	9722	4.864	ug/L #	96
60) Isopropylbenzene	12.422	105	84253	4.934	ug/L	100
61) 1,2,3-Trichloropropane	12.727	75	10765	4.968	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	67240	4.921	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	65867	4.885	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	36832	4.848	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	37856	4.943	ug/L	95
67) 1,2-Dichlorobenzene	13.833	146	33300	4.920	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	2447	5.072	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.592	180	25686	5.069	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	22462	4.982	ug/L	97
71) Naphthalene	15.333	128	41041	4.754	ug/L	99
72) 1,2,3-Trichlorobenzene	15.521	180	18995	4.851	ug/L	99

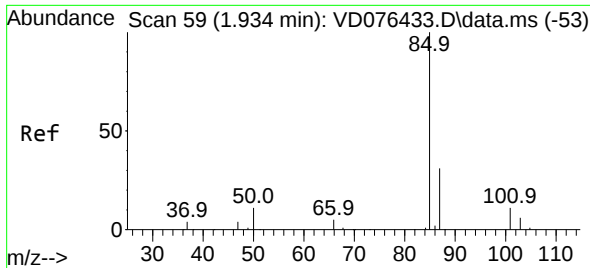
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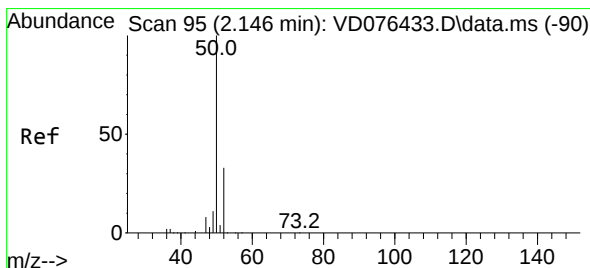
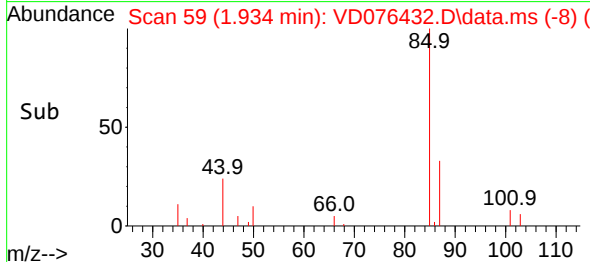
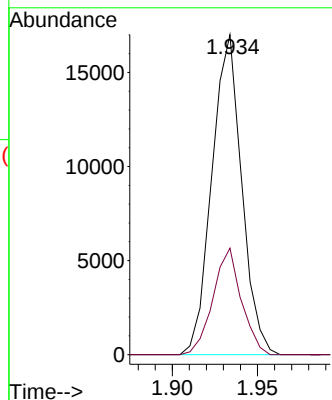
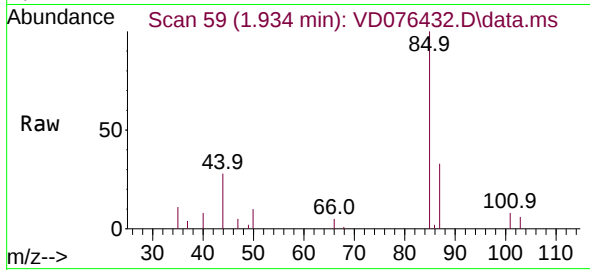




#2
 Dichlorodifluoromethane
 Concen: 5.012 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

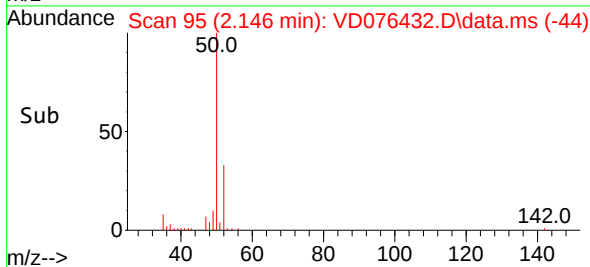
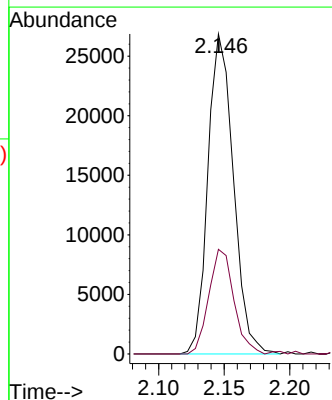
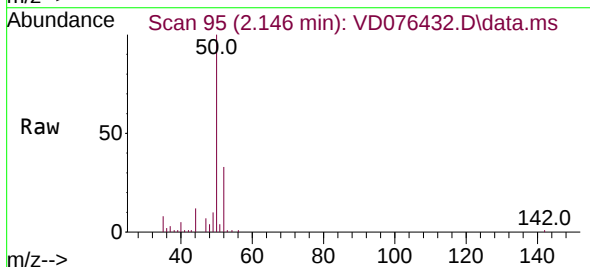
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005153

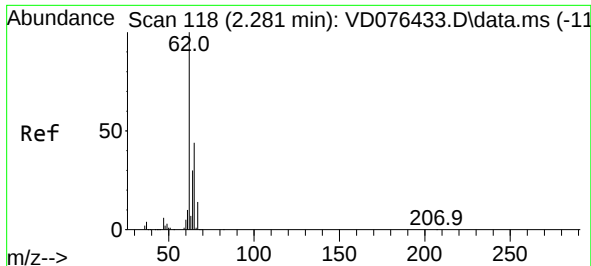
Tgt Ion: 85 Resp: 20718
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.3 39.5



#3
 Chloromethane
 Concen: 5.282 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

Tgt Ion: 50 Resp: 36299
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2

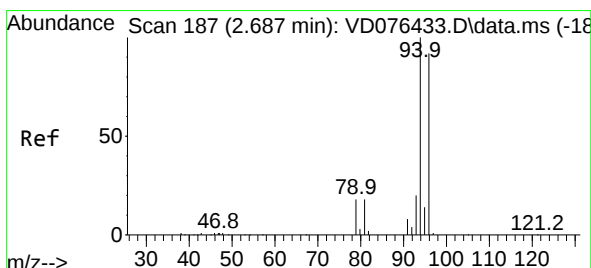
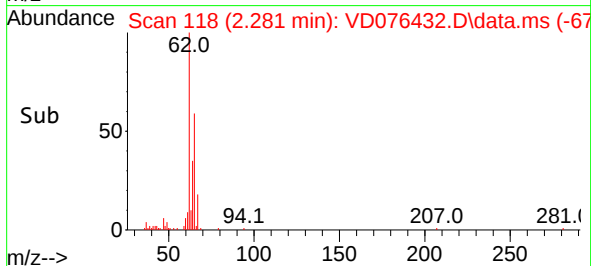
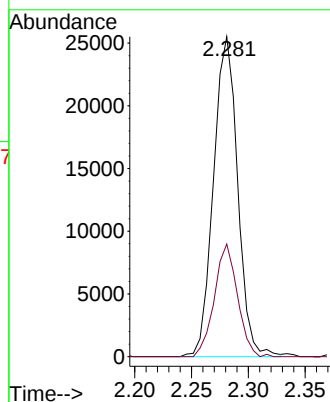
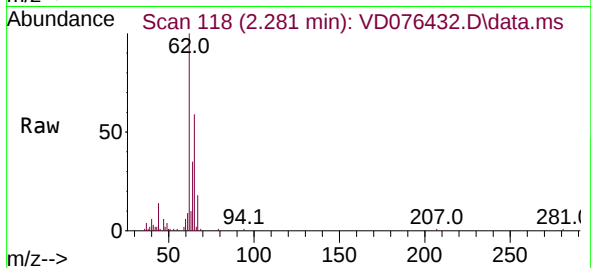




#5
Vinyl chloride
Concen: 5.092 ug/L
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

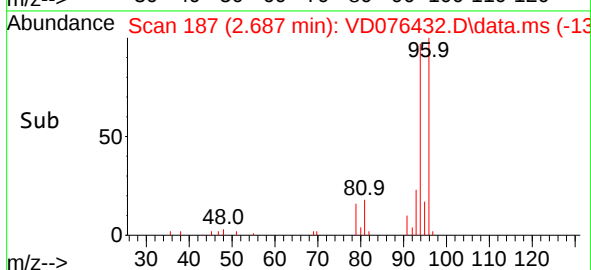
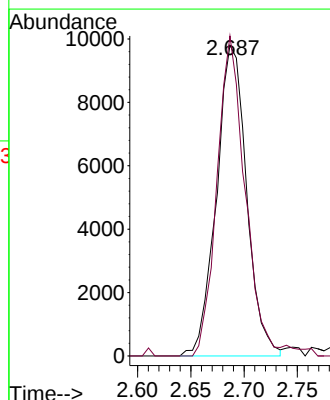
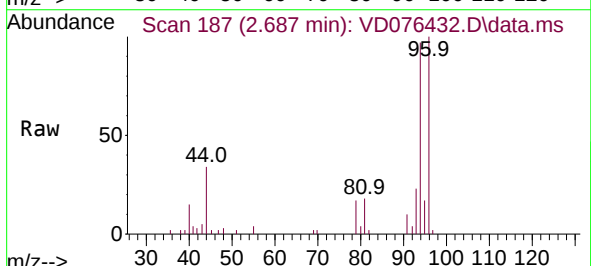
Instrument :
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ClientSampleId :
VSTD005153

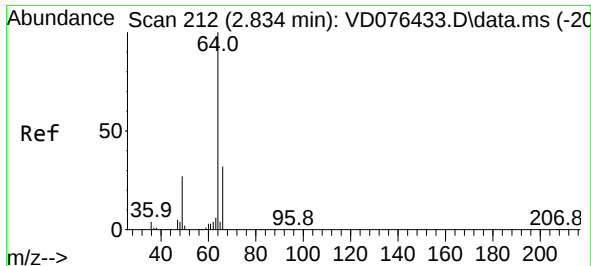
Tgt Ion: 62 Resp: 37752
Ion Ratio Lower Upper
62 100
64 35.2 21.1 39.1



#6
Bromomethane
Concen: 4.704 ug/L
RT: 2.687 min Scan# 187
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 94 Resp: 19316
Ion Ratio Lower Upper
94 100
96 103.0 64.7 120.1

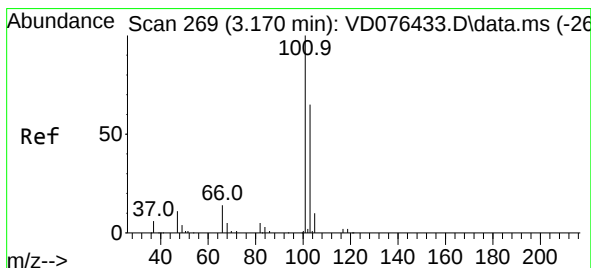
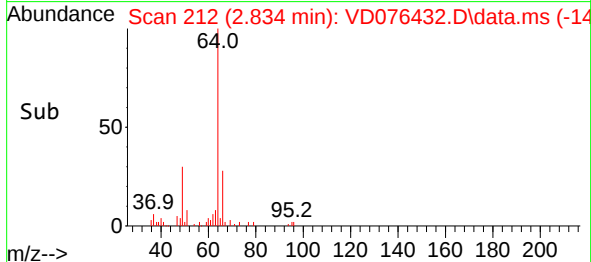
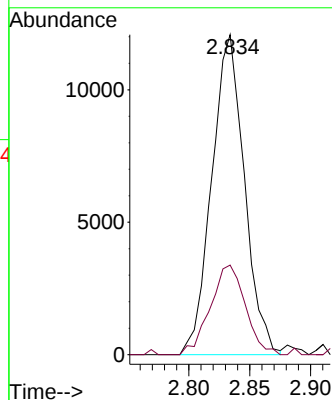
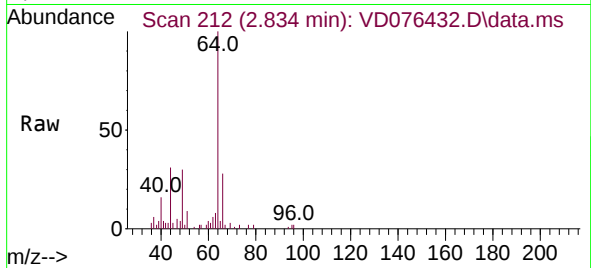




#8
Chloroethane
Concen: 4.964 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

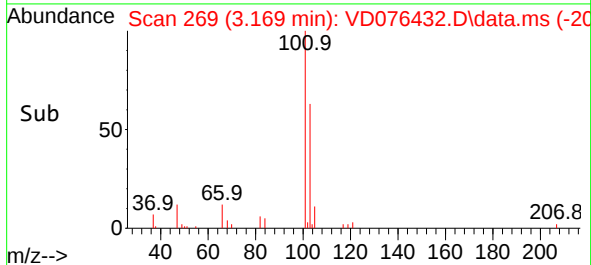
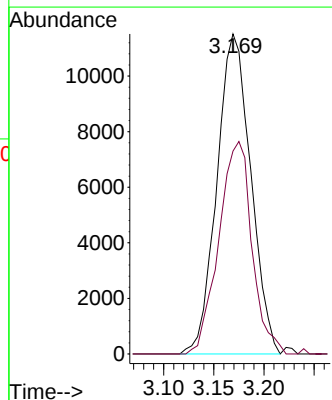
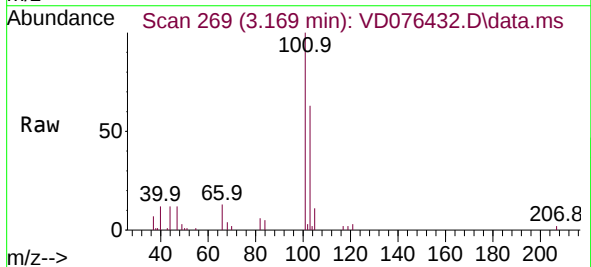
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

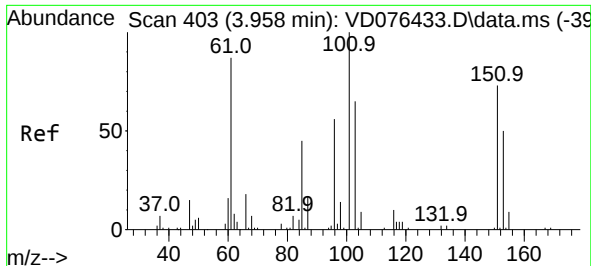
Tgt Ion: 64 Resp: 22541
Ion Ratio Lower Upper
64 100
66 28.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.037 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion:101 Resp: 27003
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6

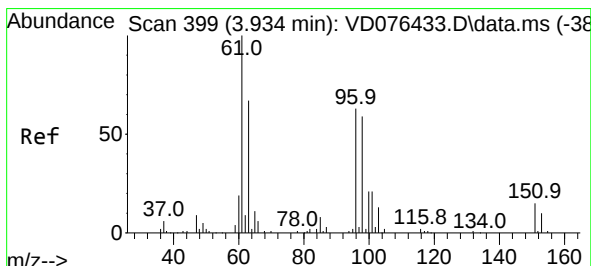
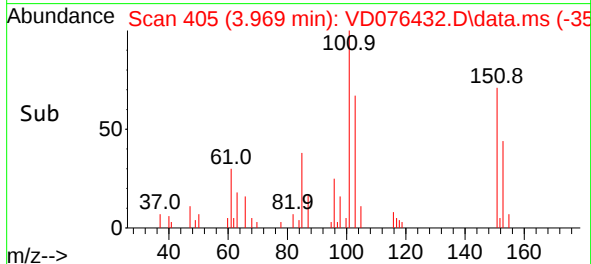
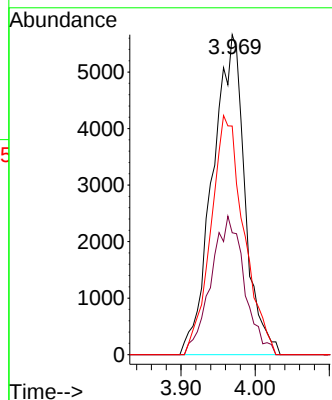
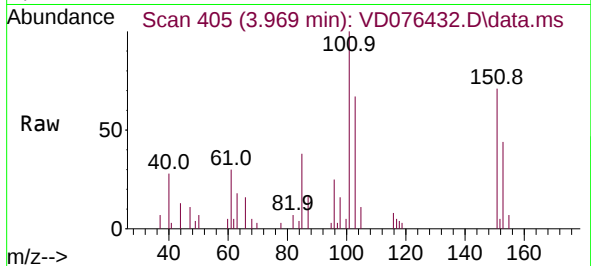




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.948 ug/L
 RT: 3.969 min Scan# 403
 Delta R.T. 0.011 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

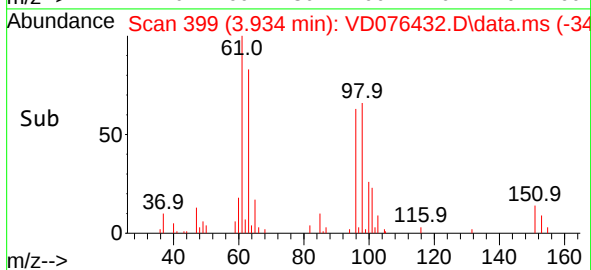
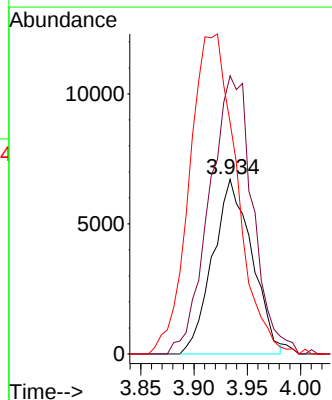
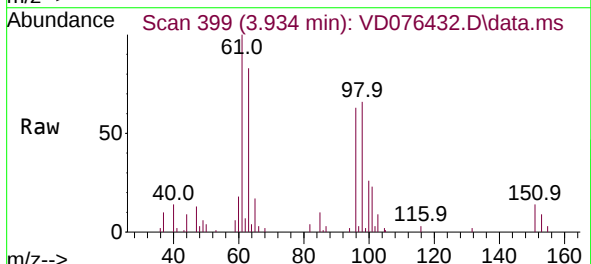
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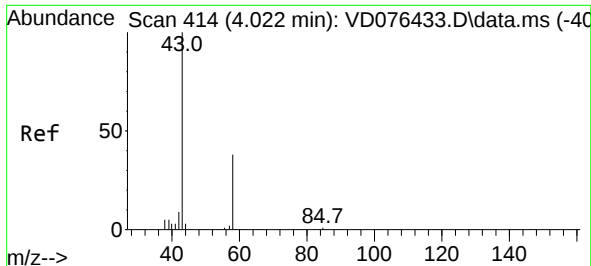
Tgt Ion:101 Resp: 17203
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.5 53.3
 151 75.8 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 4.973 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

Tgt Ion: 96 Resp: 17190
 Ion Ratio Lower Upper
 96 100
 61 159.3 113.0 209.8
 63 132.5 83.6 155.2





#13

Acetone

Concen: 10.164 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

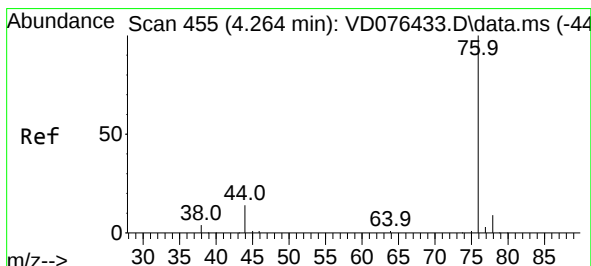
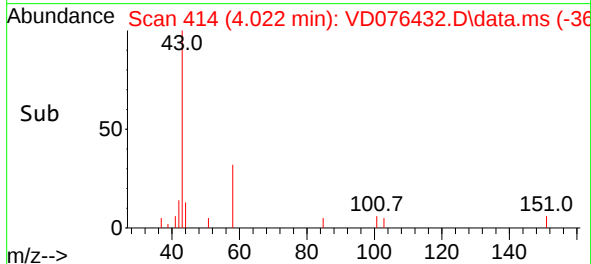
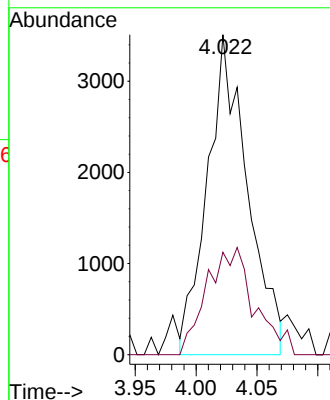
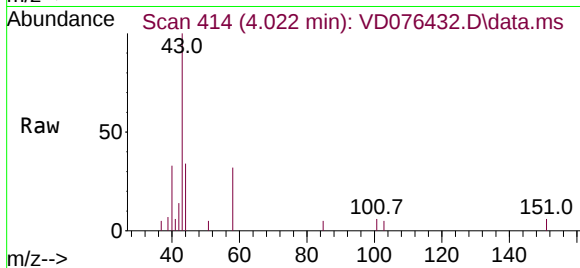
VSTD005153

Tgt Ion: 43 Resp: 8057

Ion Ratio Lower Upper

43 100

58 32.6 0.0 67.4



#14

Carbon disulfide

Concen: 5.067 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.005 min

Lab File: VD076432.D

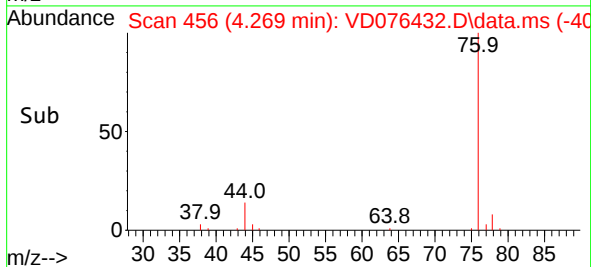
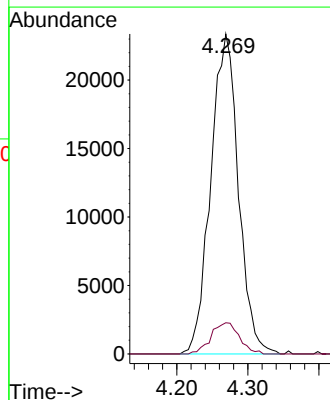
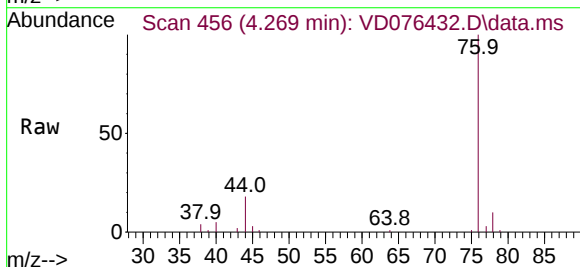
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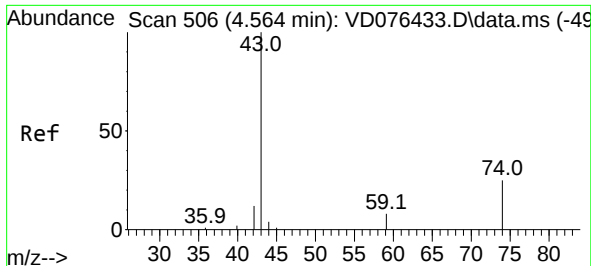
Tgt Ion: 76 Resp: 63243

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4

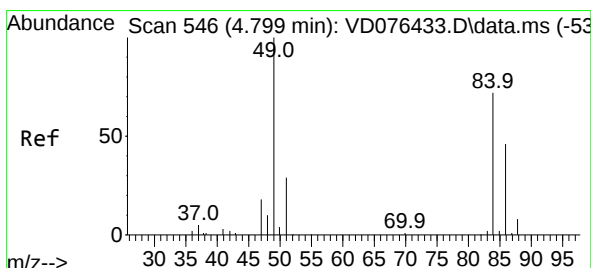
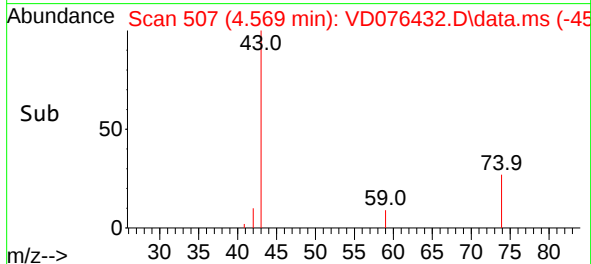
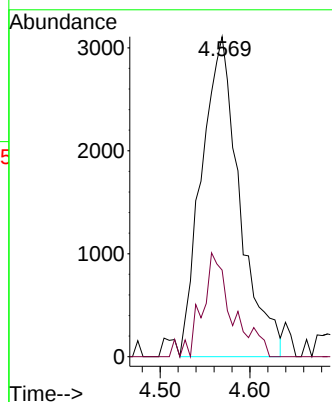
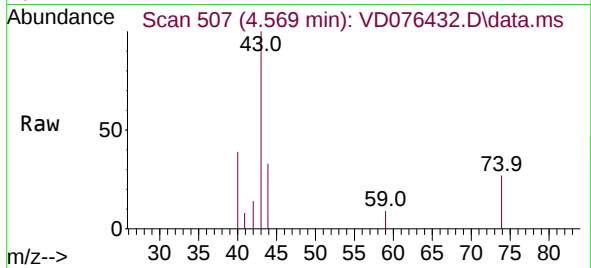




#15
Methyl Acetate
Concen: 4.811 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.005 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

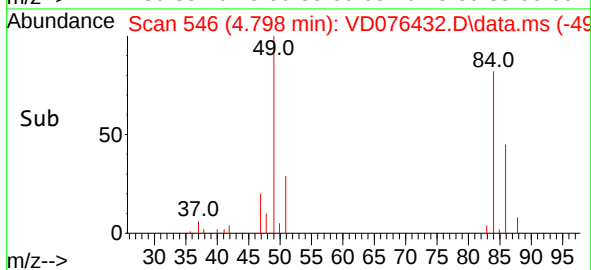
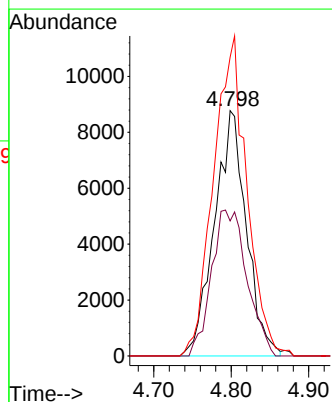
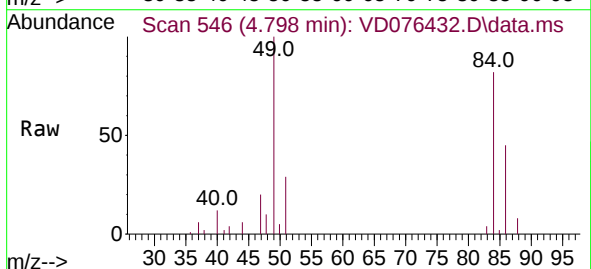
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

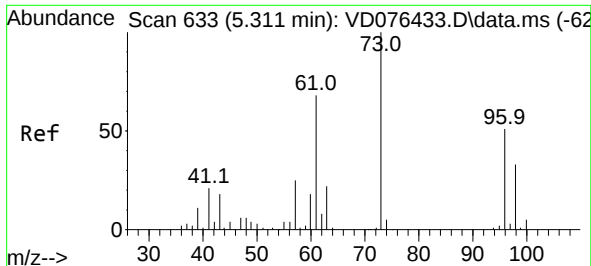
Tgt Ion: 43 Resp: 9171
Ion Ratio Lower Upper
43 100
74 15.5 18.2 27.2#



#16
Methylene chloride
Concen: 5.439 ug/L
RT: 4.798 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 84 Resp: 25116
Ion Ratio Lower Upper
84 100
86 55.1 45.1 83.9
49 121.8 97.2 180.6





#17

trans-1,2-Dichloroethene

Concen: 3.111 ug/L

RT: 5.310 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

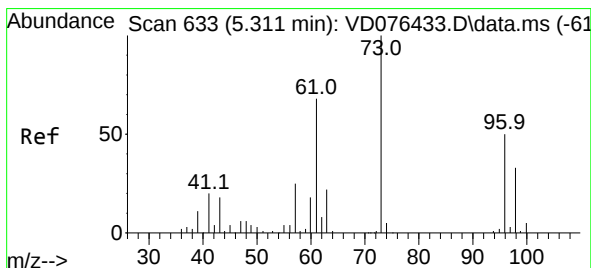
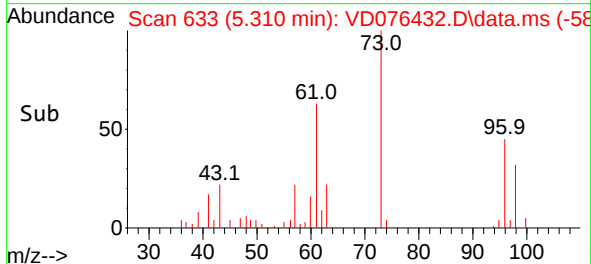
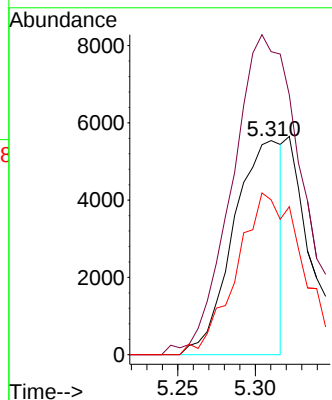
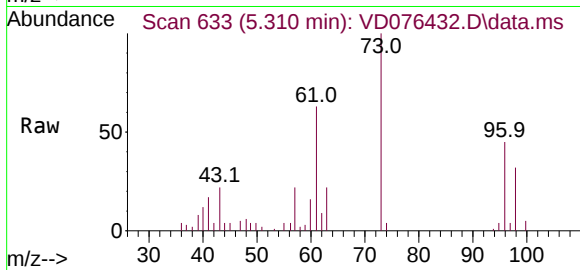
Tgt Ion: 96 Resp: 11988

Ion Ratio Lower Upper

96 100

61 141.5 94.5 175.5

98 72.4 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 4.780 ug/L

RT: 5.310 min Scan# 633

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

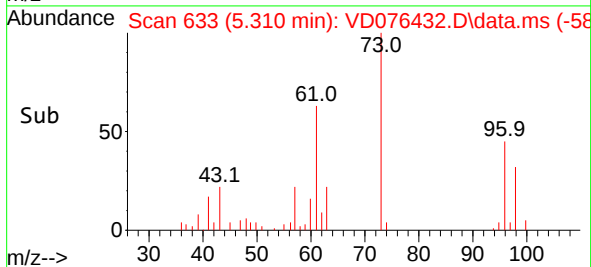
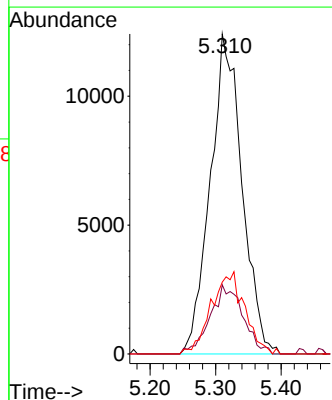
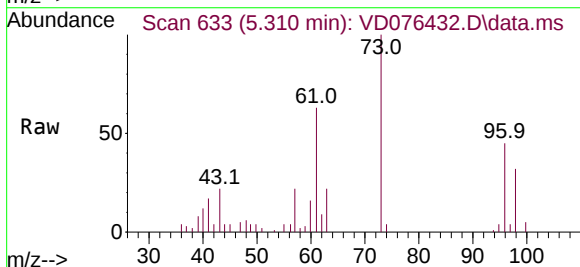
Tgt Ion: 73 Resp: 41771

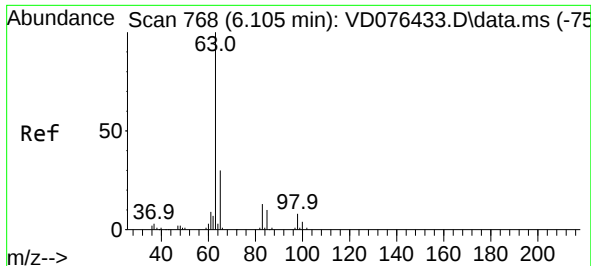
Ion Ratio Lower Upper

73 100

43 11.8 7.2 10.8#

57 14.2 18.6 28.0#





#19

1,1-Dichloroethane

Concen: 4.893 ug/L

RT: 6.110 min Scan# 769

Delta R.T. 0.005 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

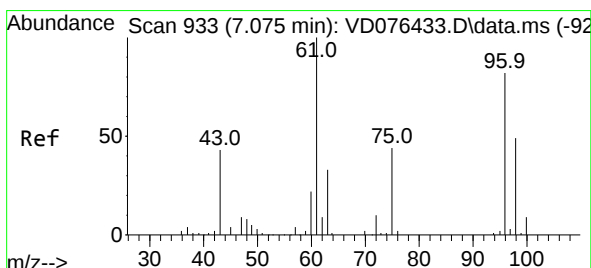
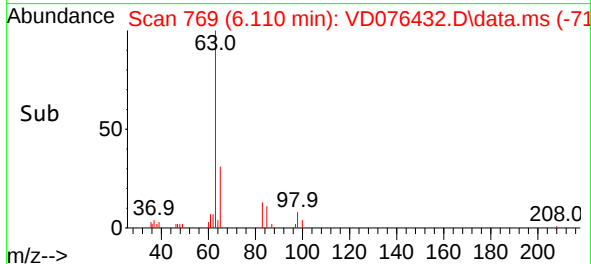
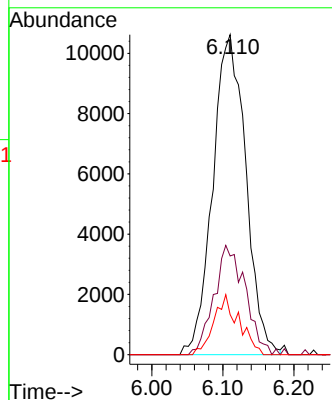
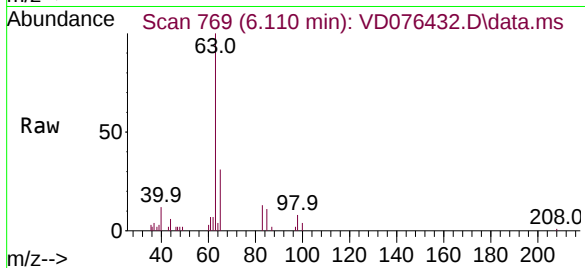
Tgt Ion: 63 Resp: 34342

Ion Ratio Lower Upper

63 100

65 30.9 20.8 38.6

83 12.6 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 4.920 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

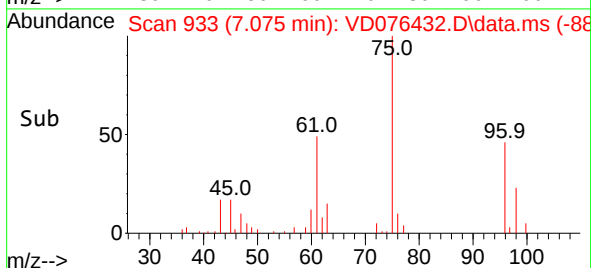
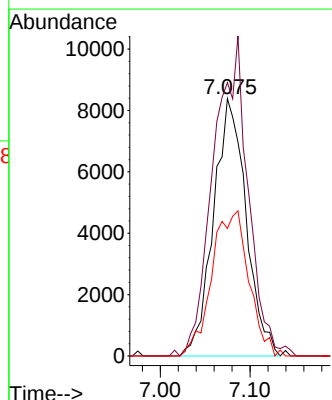
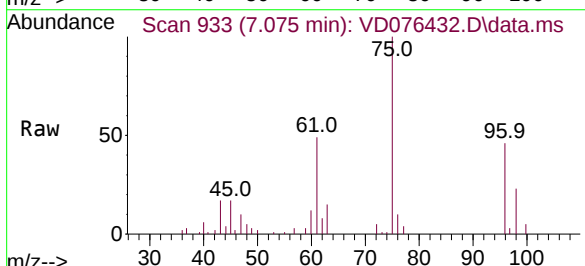
Tgt Ion: 96 Resp: 21164

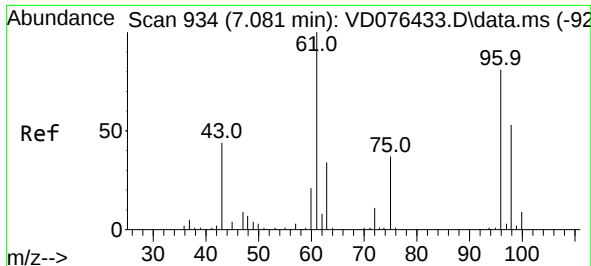
Ion Ratio Lower Upper

96 100

61 106.3 86.0 159.6

98 49.6 42.2 78.4

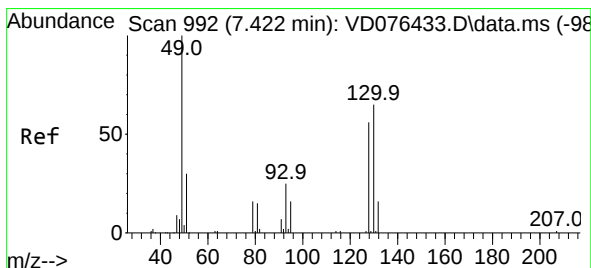
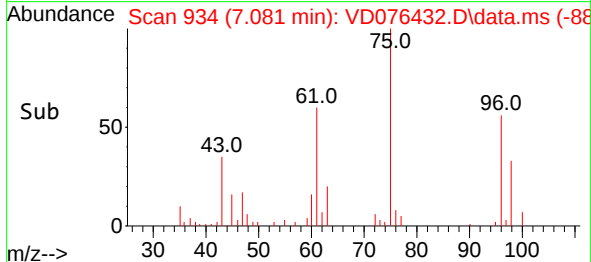
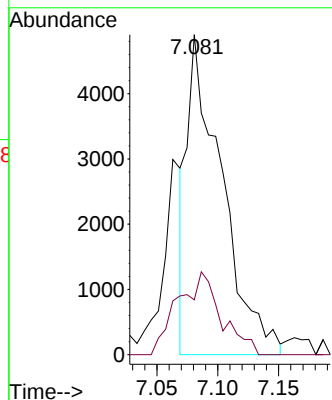
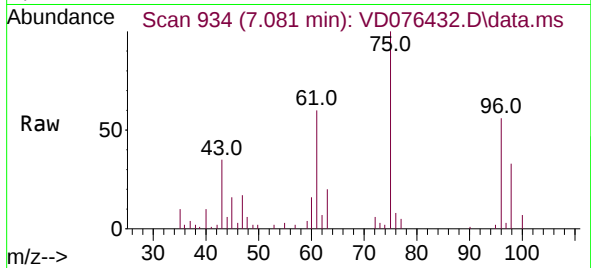




#22
2-Butanone
Concen: 7.149 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

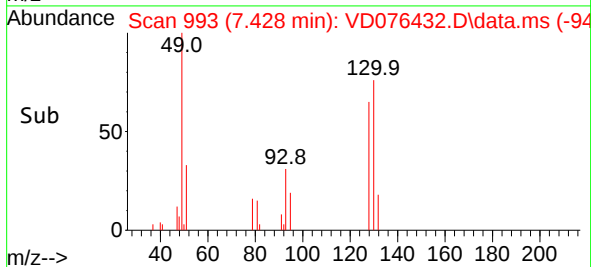
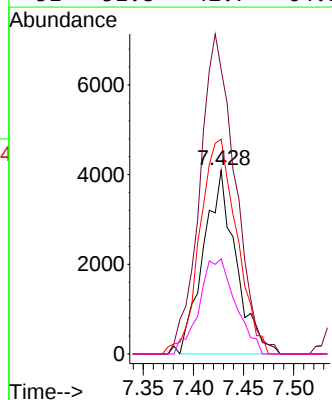
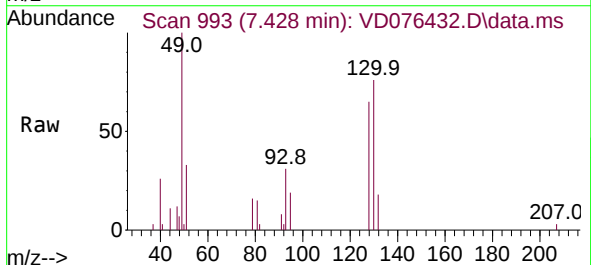
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

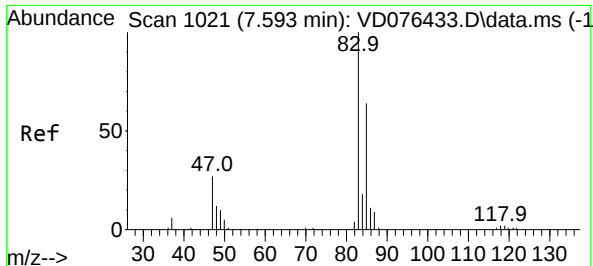
Tgt Ion: 43 Resp: 9650
Ion Ratio Lower Upper
43 100
72 8.6 12.9 38.7#



#23
Bromochloromethane
Concen: 5.056 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.005 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 128 Resp: 9200
Ion Ratio Lower Upper
128 100
49 154.9 124.7 231.7
130 117.0 80.0 148.6
51 51.8 42.7 64.1





#25

Chloroform

Concen: 4.972 ug/L

RT: 7.598 min Scan# 1021

Delta R.T. 0.005 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

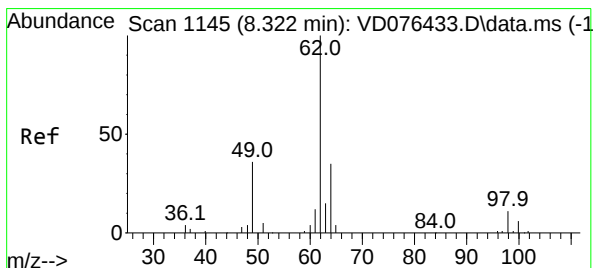
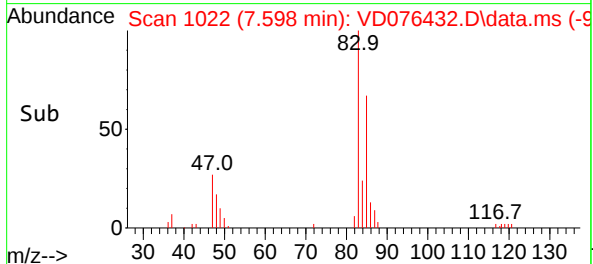
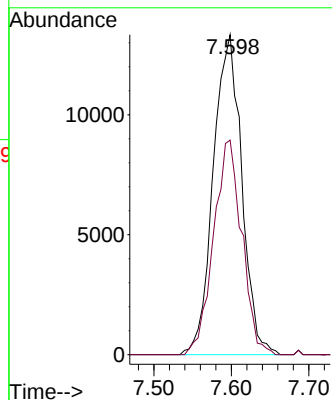
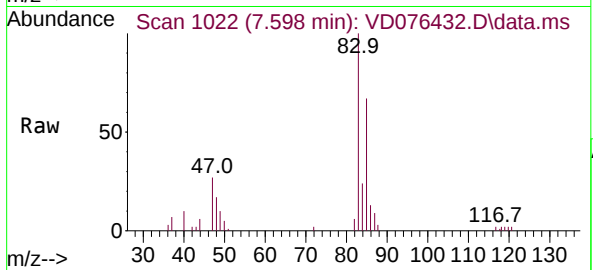
VSTD005153

Tgt Ion: 83 Resp: 34054

Ion Ratio Lower Upper

83 100

85 67.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.008 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VD076432.D

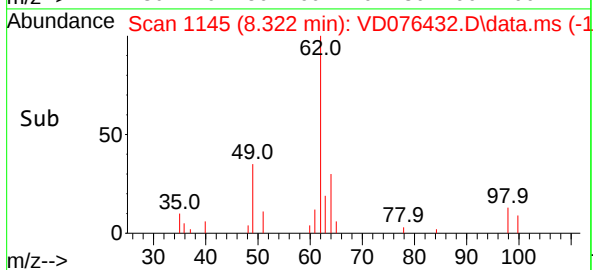
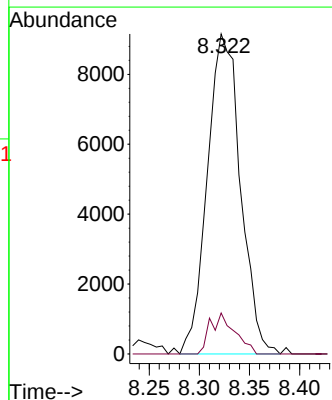
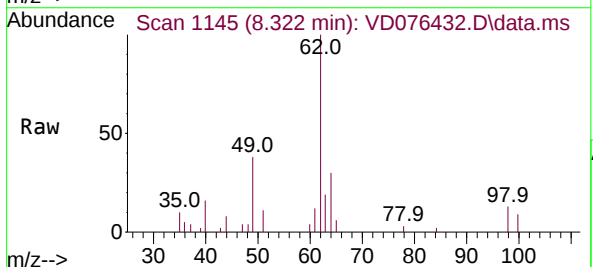
Acq: 15 Jun 2023 11:09

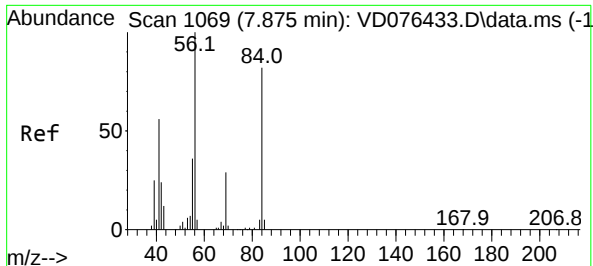
Tgt Ion: 62 Resp: 21093

Ion Ratio Lower Upper

62 100

98 12.8 8.7 13.1





#29

Cyclohexane

Concen: 4.992 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

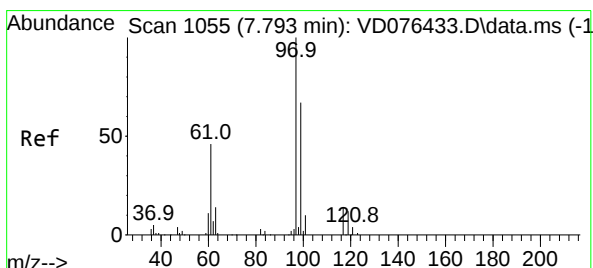
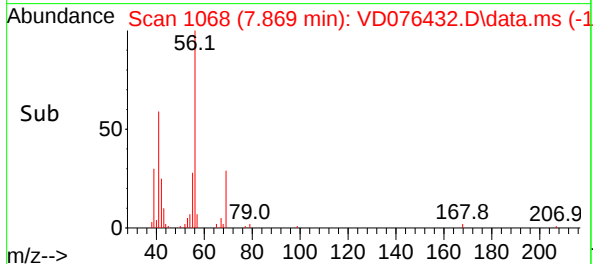
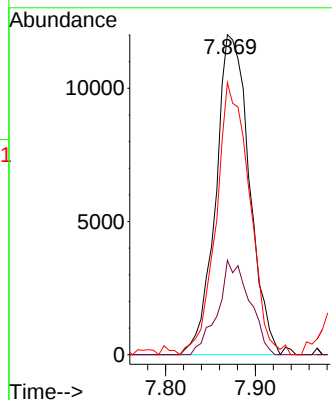
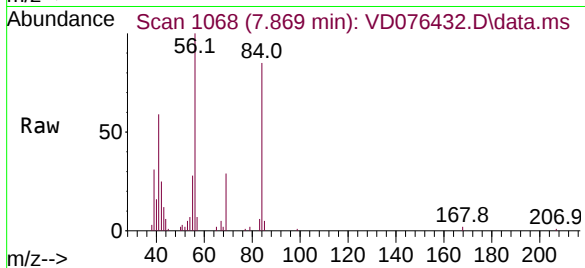
Tgt Ion: 56 Resp: 31262

Ion Ratio Lower Upper

56 100

69 27.9 23.4 35.0

84 84.1 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 5.065 ug/L

RT: 7.792 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

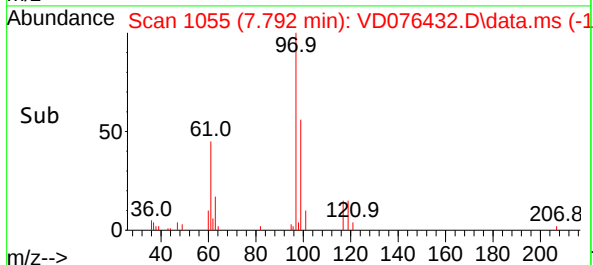
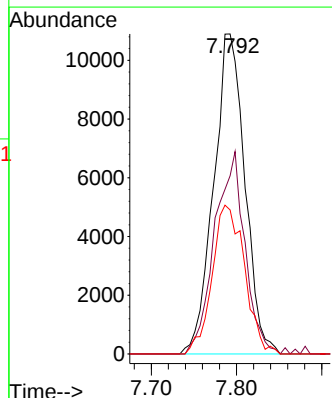
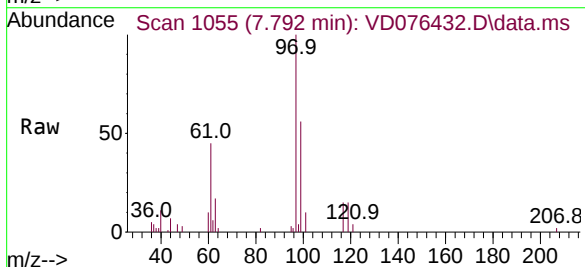
Tgt Ion: 97 Resp: 27711

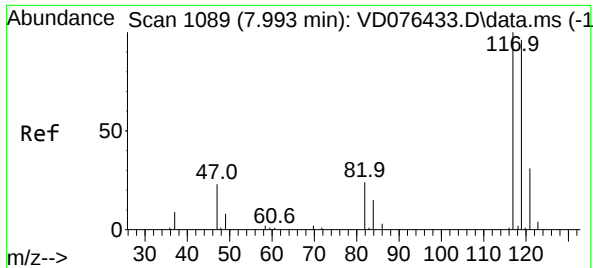
Ion Ratio Lower Upper

97 100

99 61.4 51.0 76.6

61 47.8 36.4 54.6

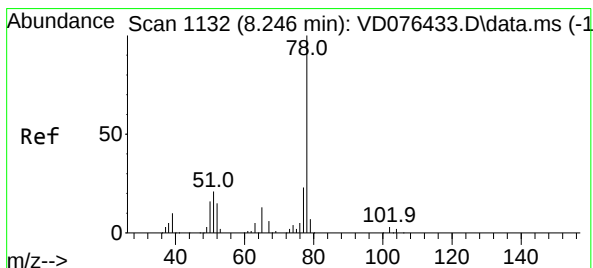
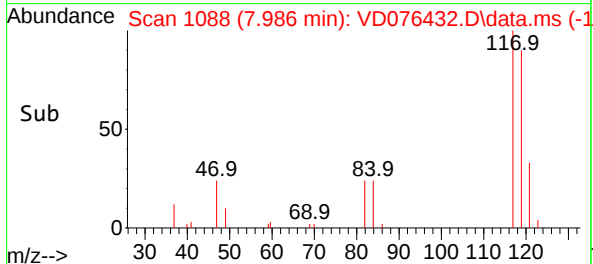
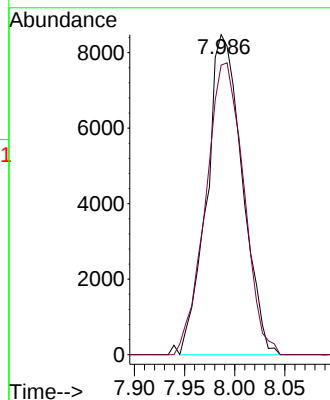
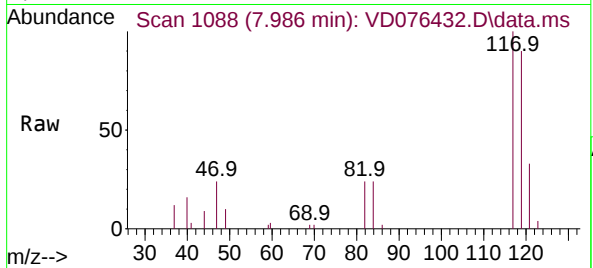




#31
Carbon tetrachloride
Concen: 4.771 ug/L
RT: 7.986 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

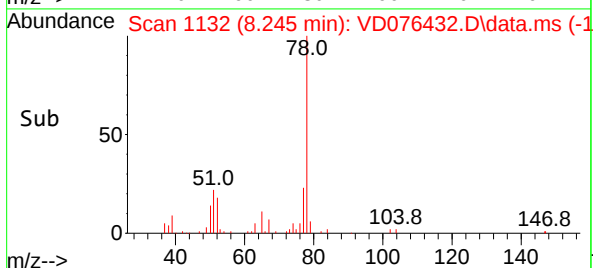
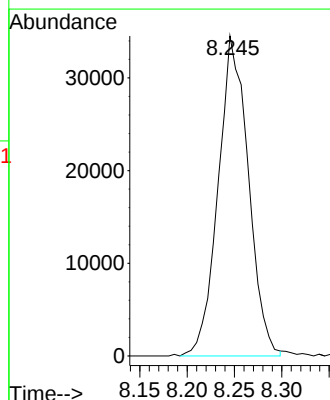
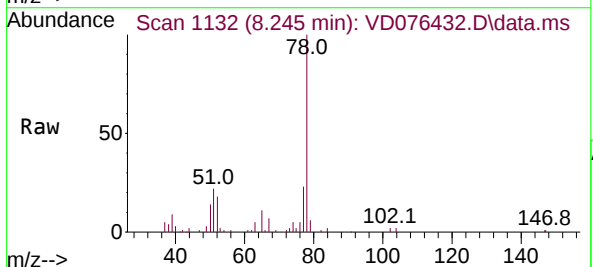
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

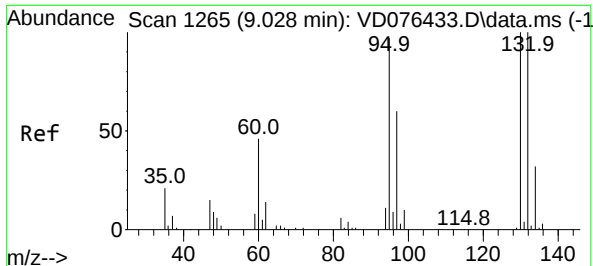
Tgt Ion:117 Resp: 20874
Ion Ratio Lower Upper
117 100
119 97.7 77.8 116.6



#33
Benzene
Concen: 4.911 ug/L
RT: 8.245 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 78 Resp: 76552



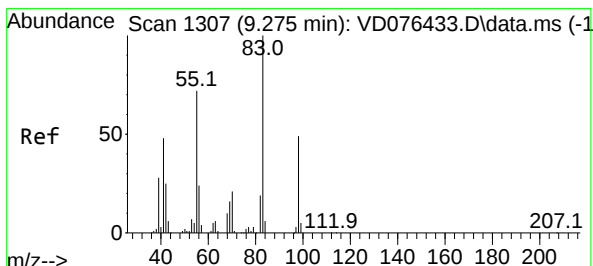
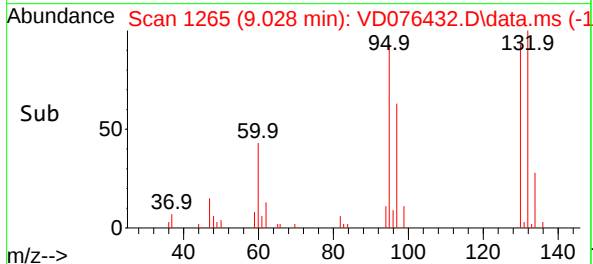
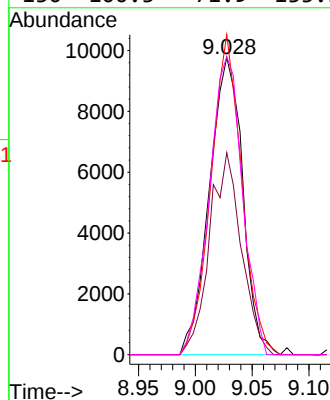
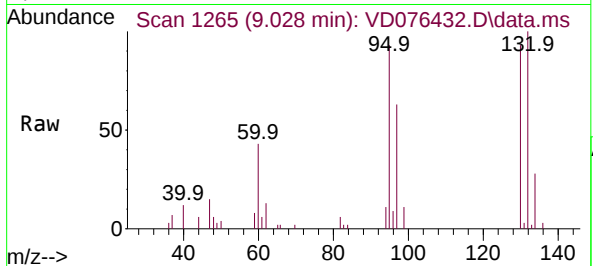


#34
Trichloroethene
Concen: 4.970 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

Tgt Ion: 95 Resp: 19899

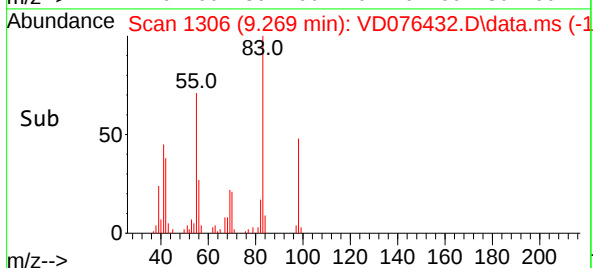
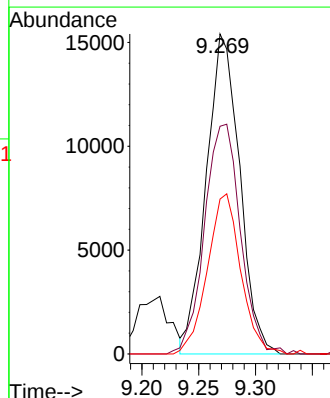
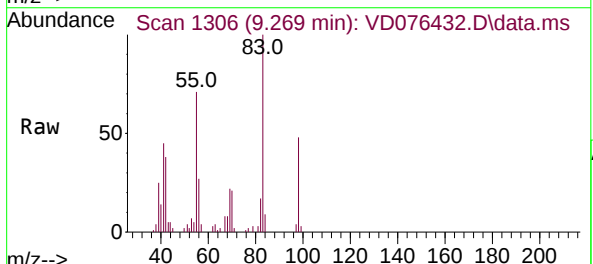
Ion	Ratio	Lower	Upper
95	100		
97	67.9	43.1	80.1
132	107.7	71.8	133.4
130	100.3	71.9	133.5

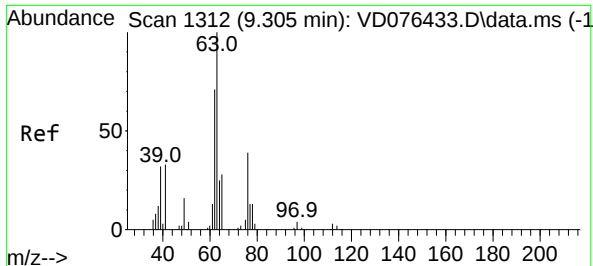


#35
Methylcyclohexane
Concen: 4.890 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 83 Resp: 31573

Ion	Ratio	Lower	Upper
83	100		
55	76.4	59.8	89.6
98	49.9	37.8	56.6





#37

1,2-Dichloropropane

Concen: 4.936 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

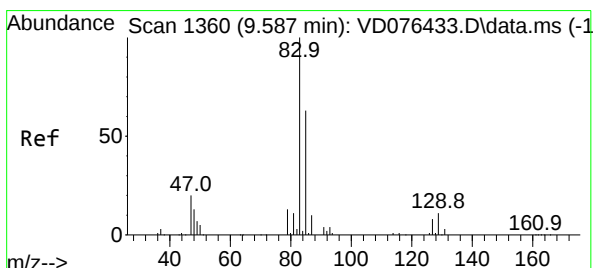
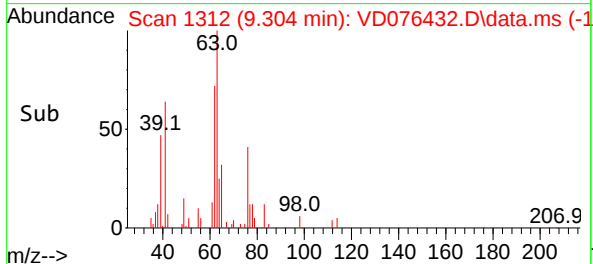
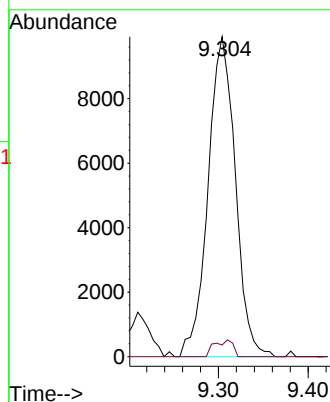
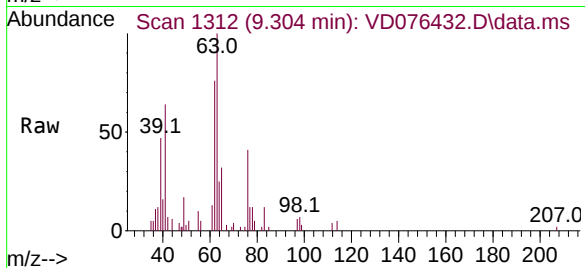
VSTD005153

Tgt Ion: 63 Resp: 20975

Ion Ratio Lower Upper

63 100

112 1.6 3.1 4.7#



#38

Bromodichloromethane

Concen: 4.873 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

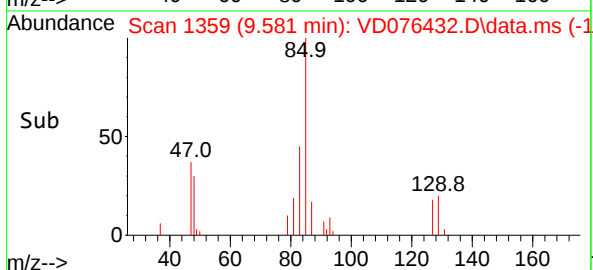
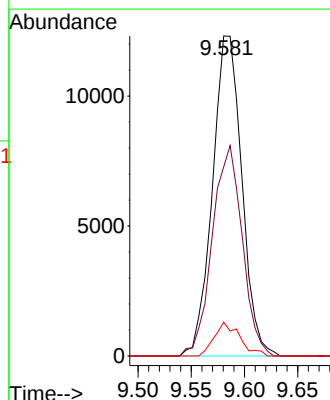
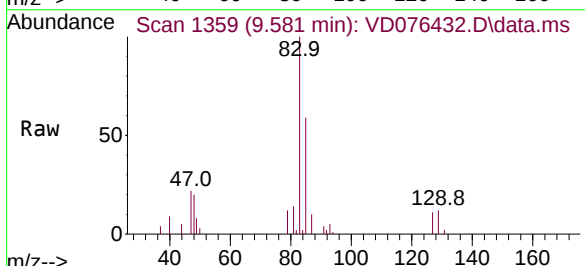
Tgt Ion: 83 Resp: 23620

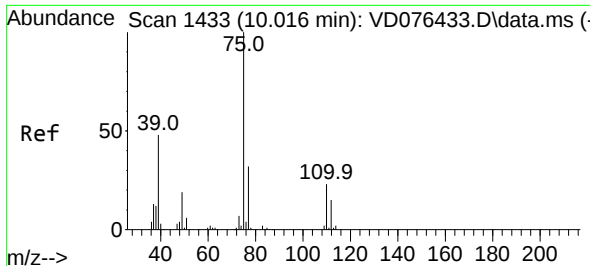
Ion Ratio Lower Upper

83 100

85 59.1 43.9 81.5

127 10.5 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 4.769 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

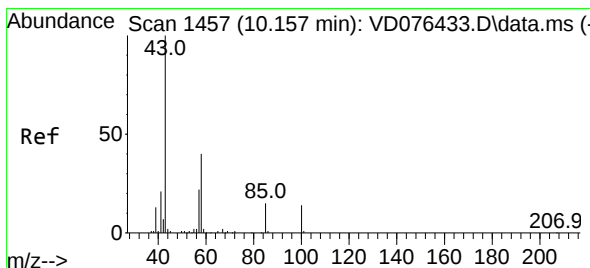
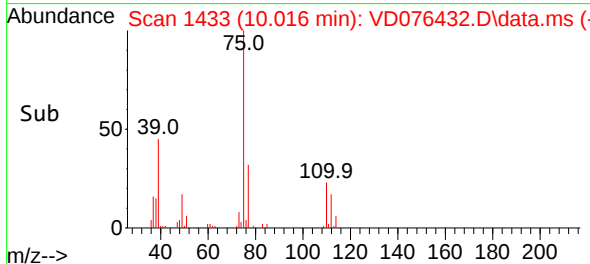
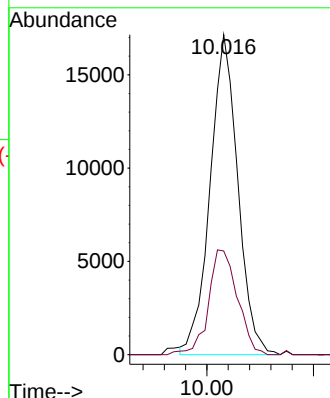
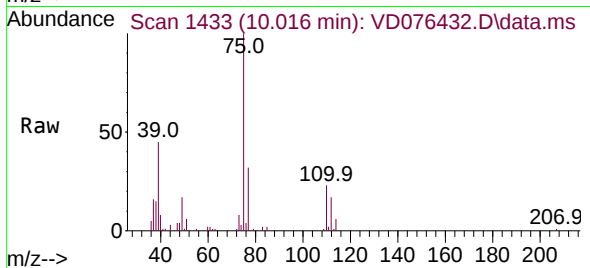
VSTD005153

Tgt Ion: 75 Resp: 30946

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 9.728 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

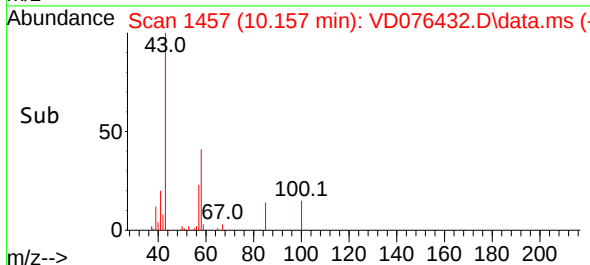
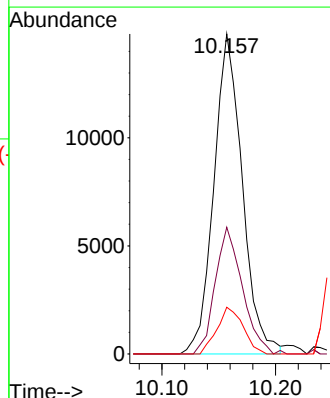
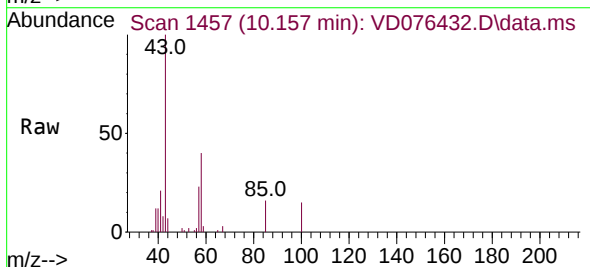
Tgt Ion: 43 Resp: 25718

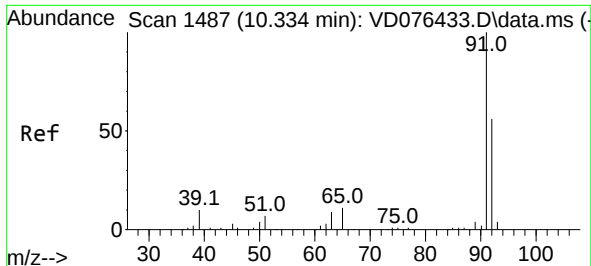
Ion Ratio Lower Upper

43 100

58 37.6 30.7 46.1

100 13.5 11.0 16.4

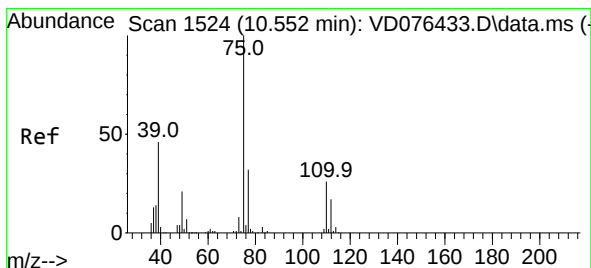
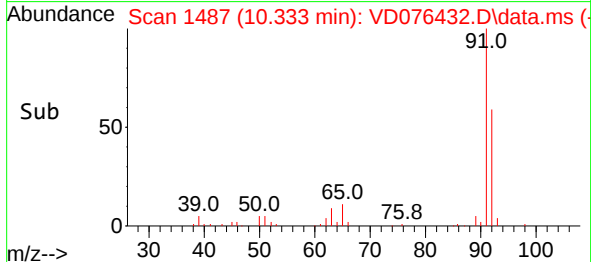
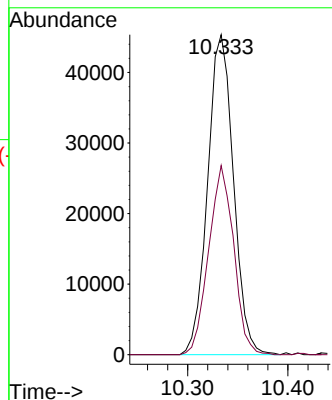
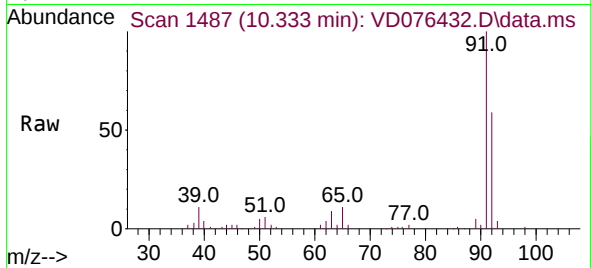




#42
Toluene
Concen: 4.881 ug/L
RT: 10.333 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

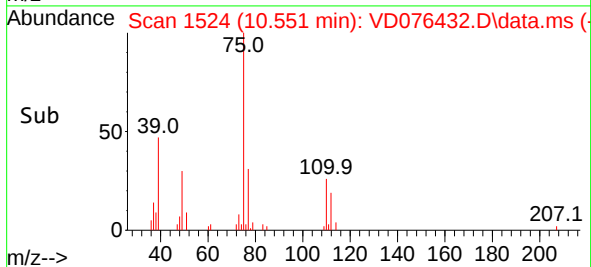
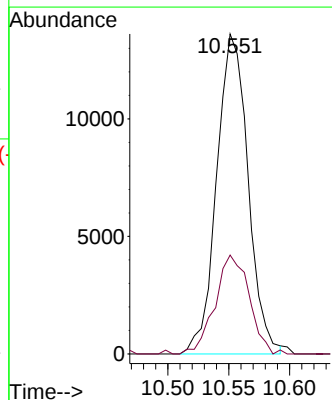
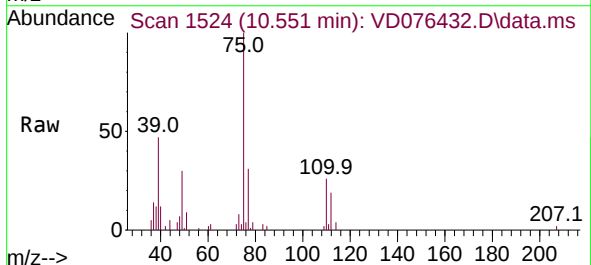
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

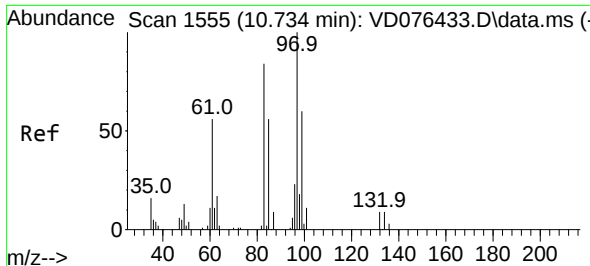
Tgt Ion: 91 Resp: 81306
Ion Ratio Lower Upper
91 100
92 59.1 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 4.630 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 75 Resp: 24418
Ion Ratio Lower Upper
75 100
77 30.9 22.5 41.7

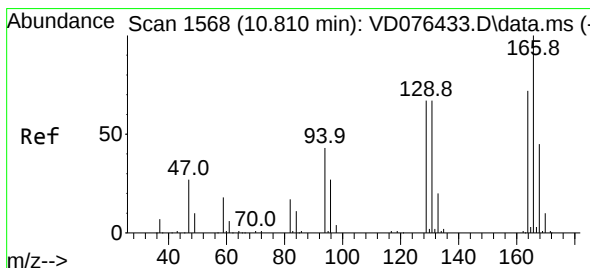
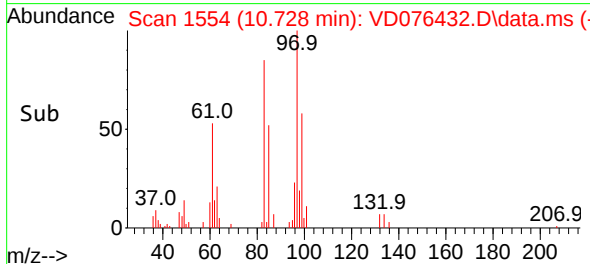
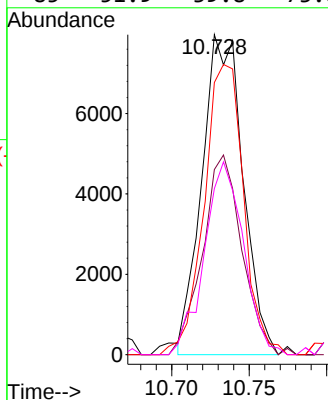
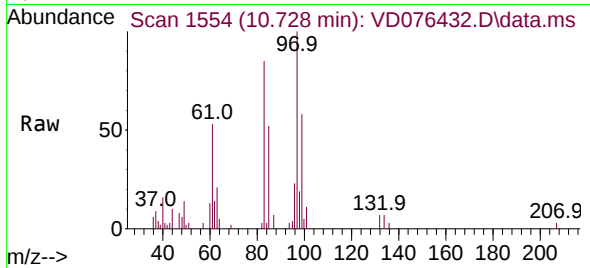




#45
1,1,2-Trichloroethane
Concen: 5.027 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

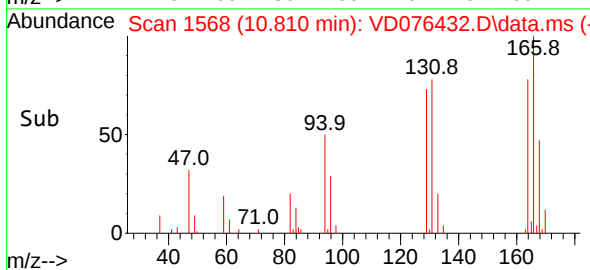
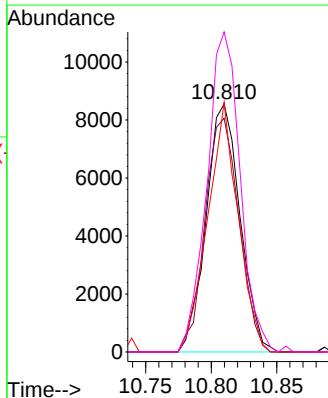
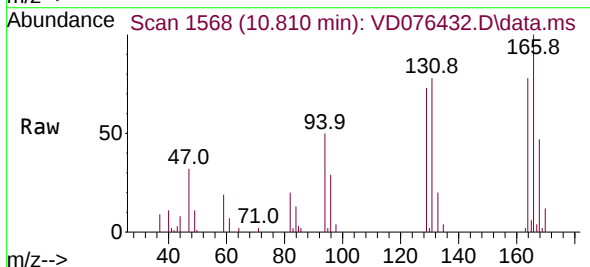
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

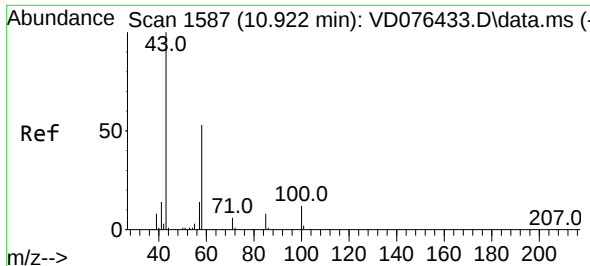
Tgt Ion: 97	Resp: 14652
Ion Ratio	Lower Upper
97 100	
99 57.8	41.9 77.9
83 85.0	59.2 110.0
85 51.9	39.8 73.8



#46
Tetrachloroethene
Concen: 4.897 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt	Ion:164	Resp:	15416
Ion	Ratio	Lower	Upper
164	100		
129	94.3	65.5	121.6
131	100.7	64.8	120.3
166	129.0	97.2	180.4

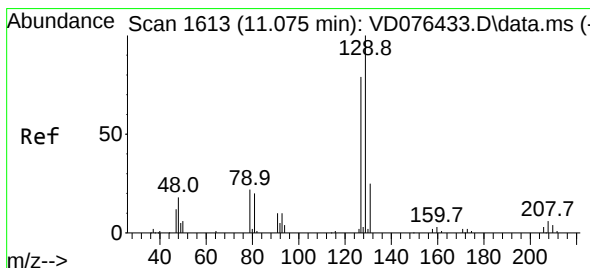
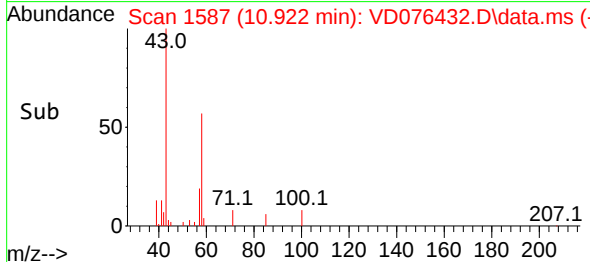
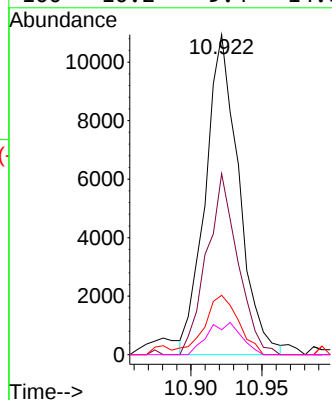
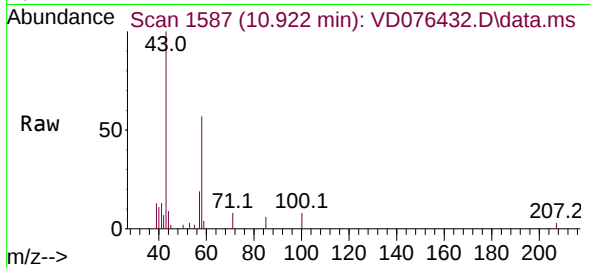




#48
2-Hexanone
Concen: 9.876 ug/L
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

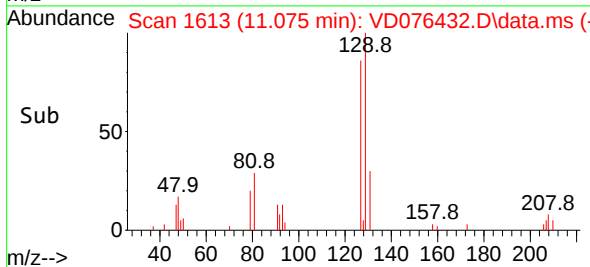
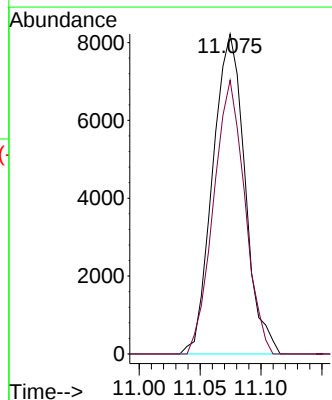
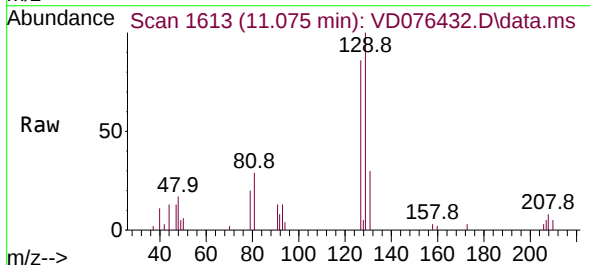
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

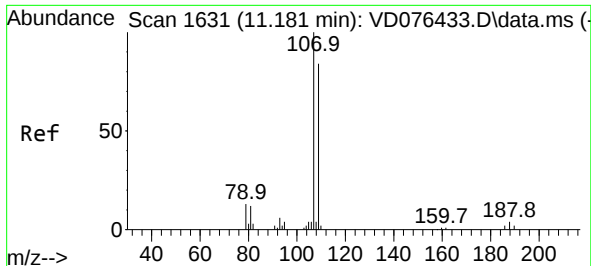
Tgt Ion: 43 Resp: 17881
Ion Ratio Lower Upper
43 100
58 52.8 42.9 64.3
57 19.0 13.7 20.5
100 10.2 9.4 14.0



#49
Dibromochloromethane
Concen: 4.566 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion: 129 Resp: 15124
Ion Ratio Lower Upper
129 100
127 85.5 55.2 102.6

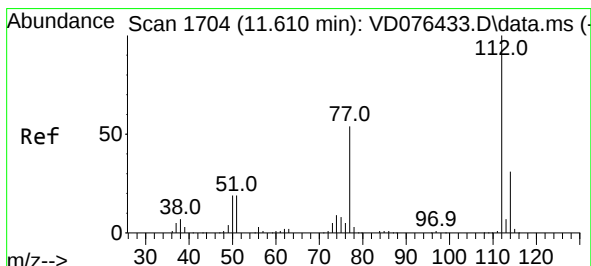
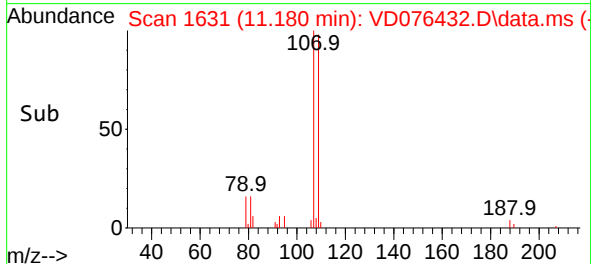
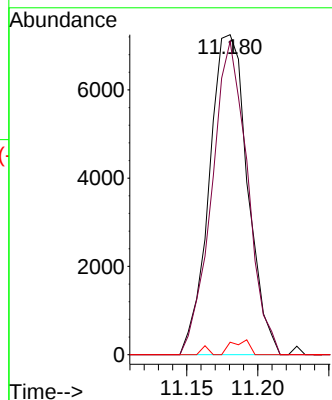
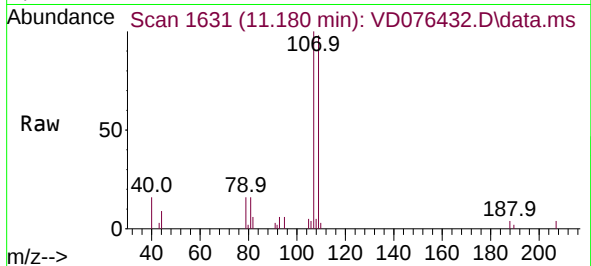




#50
1,2-Dibromoethane
Concen: 4.807 ug/L
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

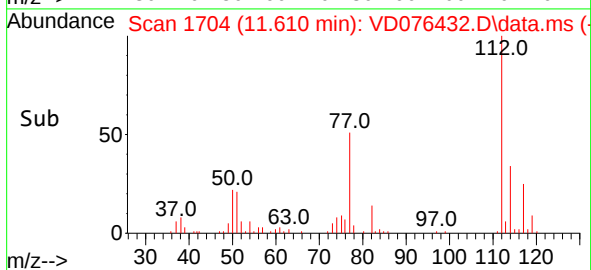
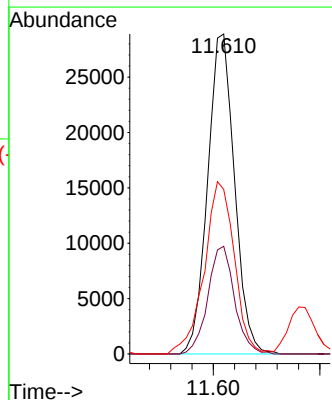
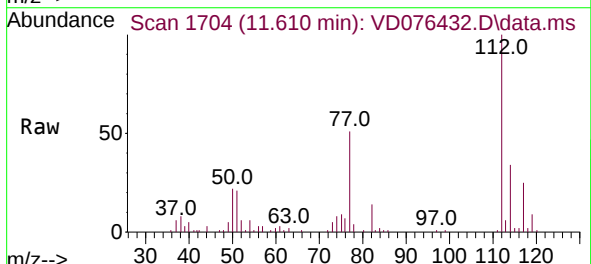
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

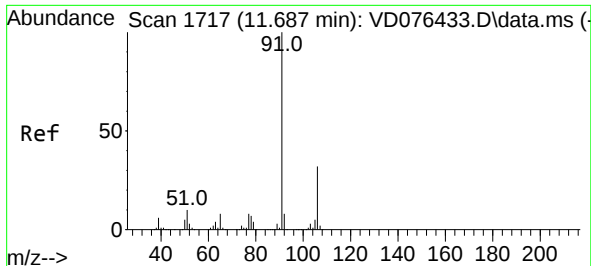
Tgt Ion:	107	Resp:	13599
Ion	Ratio	Lower	Upper
107	100		
109	97.8	58.8	109.2
188	3.9	2.9	4.3



#51
Chlorobenzene
Concen: 4.875 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion:	112	Resp:	50695
Ion	Ratio	Lower	Upper
112	100		
114	33.6	21.5	39.9
77	51.4	43.4	65.2





#52

Ethylbenzene

Concen: 4.797 ug/L

RT: 11.686 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

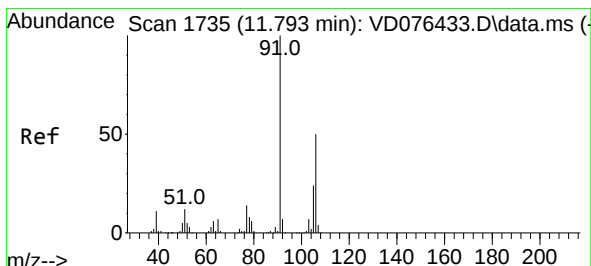
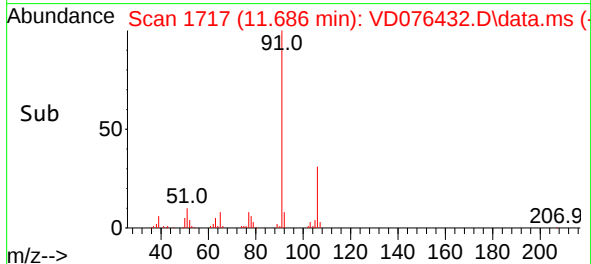
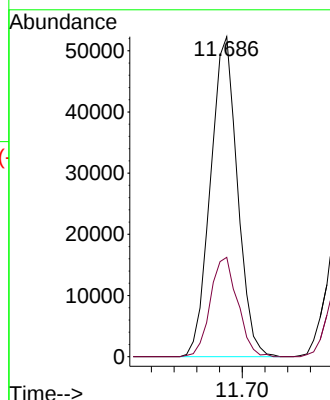
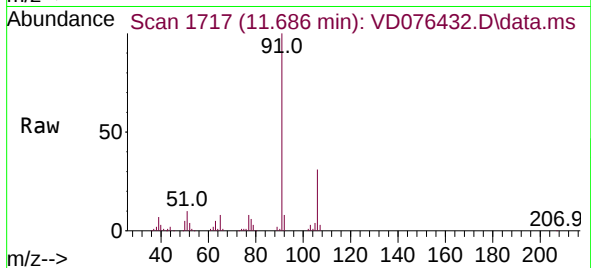
VSTD005153

Tgt Ion: 91 Resp: 86125

Ion Ratio Lower Upper

91 100

106 31.1 22.4 41.6



#53

m,p-Xylene

Concen: 4.680 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD076432.D

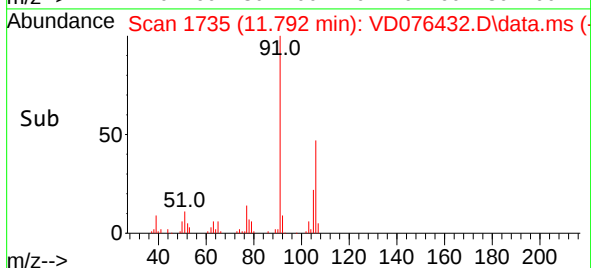
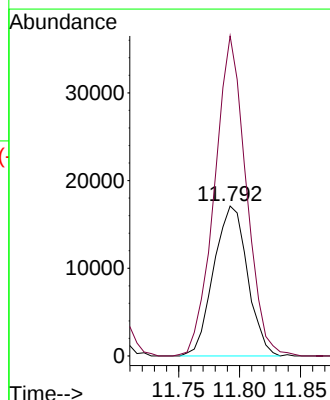
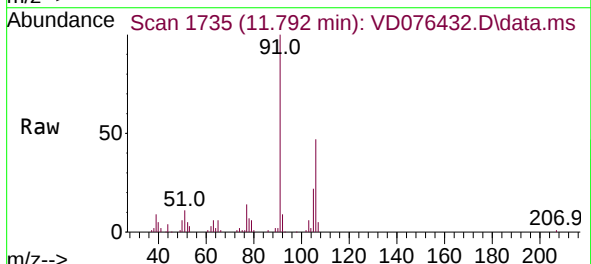
Acq: 15 Jun 2023 11:09

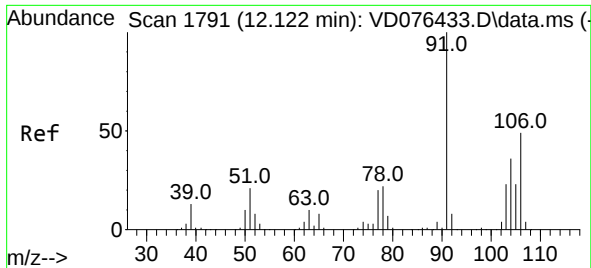
Tgt Ion: 106 Resp: 33017

Ion Ratio Lower Upper

106 100

91 213.5 141.5 262.9

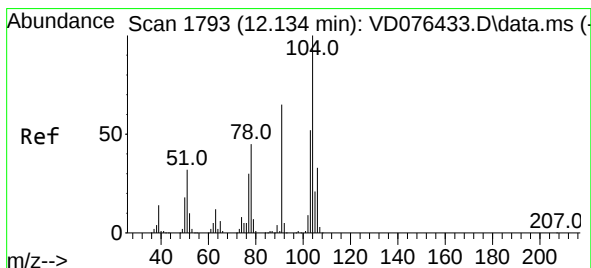
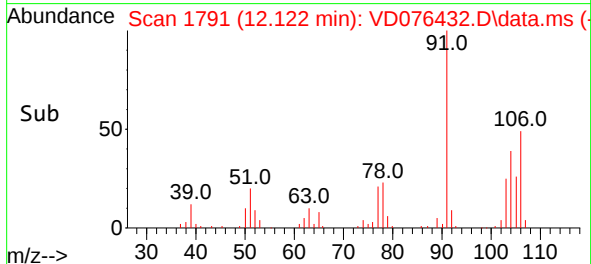
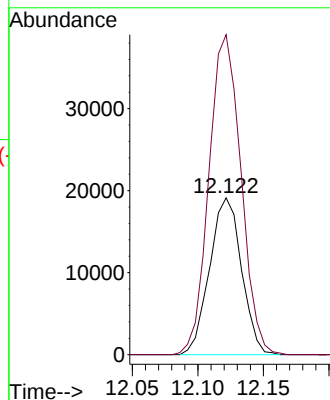
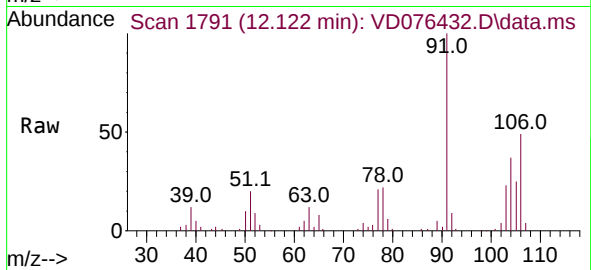




#54
o-Xylene
Concen: 4.821 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

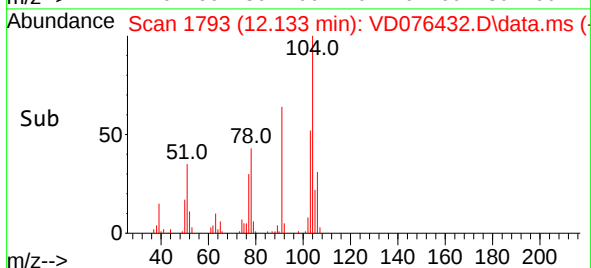
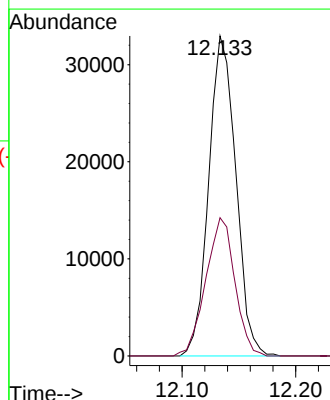
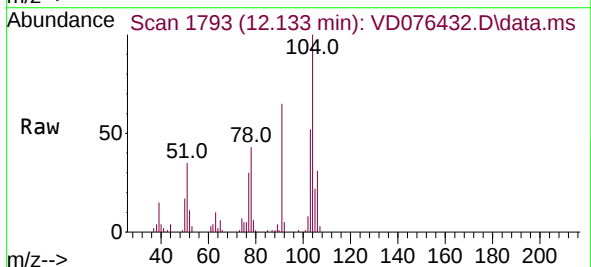
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

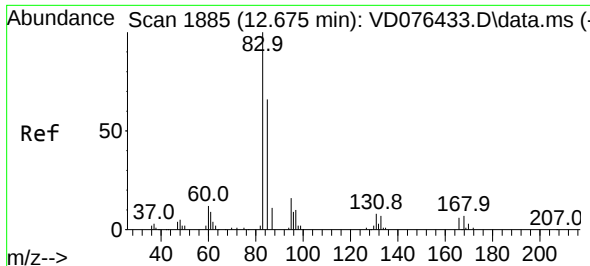
Tgt Ion:106 Resp: 32385
Ion Ratio Lower Upper
106 100
91 204.1 142.2 264.2



#55
Styrene
Concen: 4.711 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion:104 Resp: 54674
Ion Ratio Lower Upper
104 100
78 43.2 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.768 ug/L

RT: 12.674 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

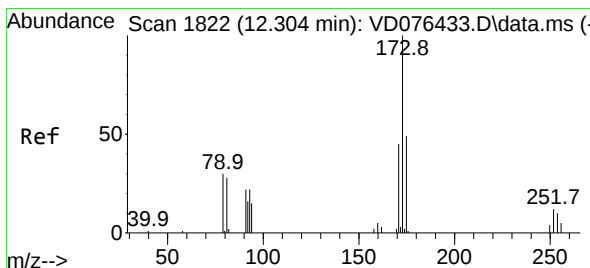
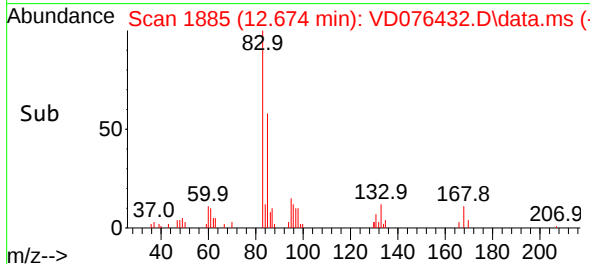
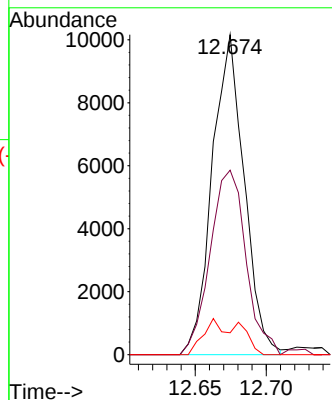
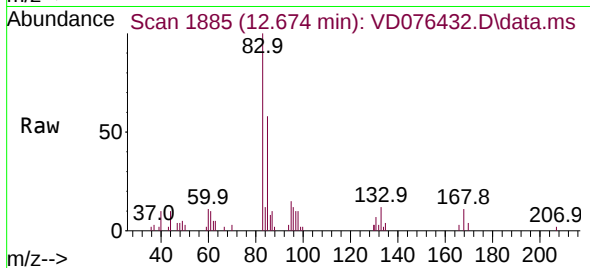
Tgt Ion: 83 Resp: 15884

Ion Ratio Lower Upper

83 100

85 57.7 46.3 86.1

131 6.8 7.0 10.4#



#59

Bromoform

Concen: 4.864 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

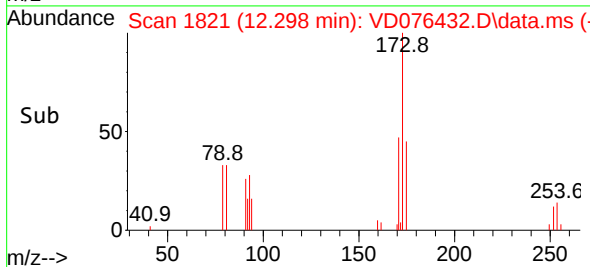
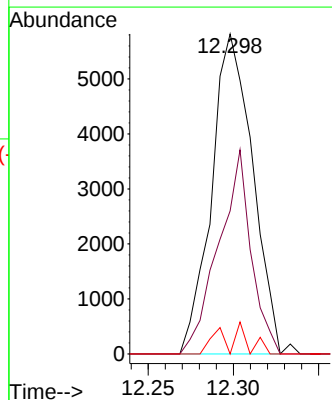
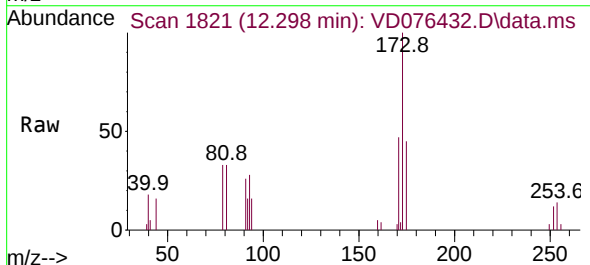
Tgt Ion:173 Resp: 9722

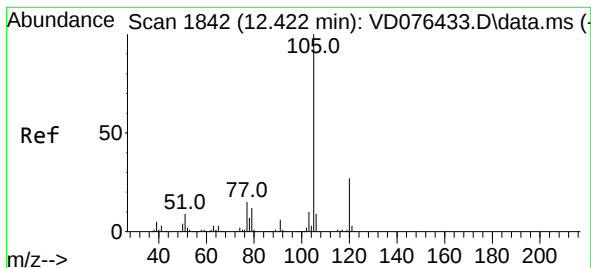
Ion Ratio Lower Upper

173 100

175 50.6 39.0 58.4

254 2.1 5.3 7.9#





#60

Isopropylbenzene

Concen: 4.934 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

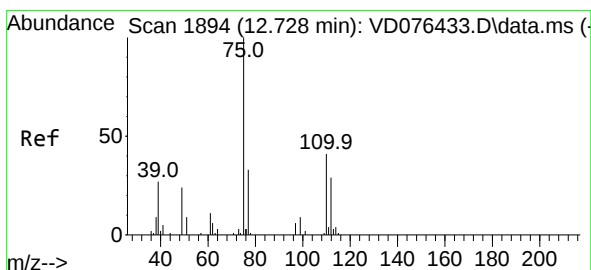
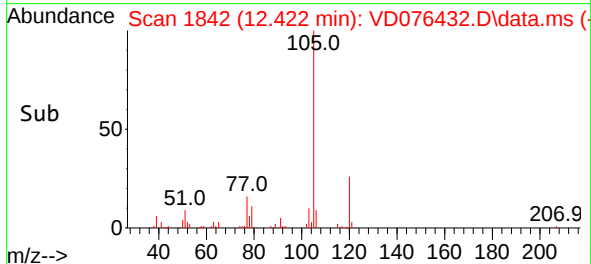
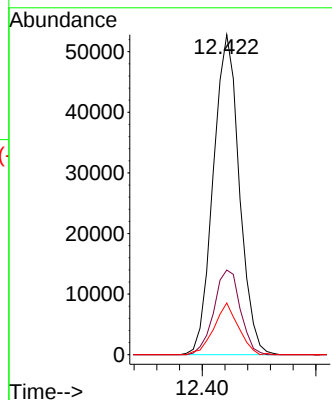
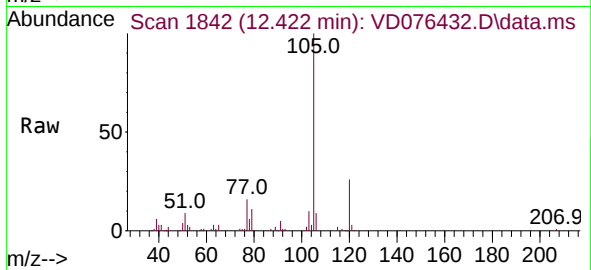
Tgt Ion:105 Resp: 84253

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

77 15.1 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 4.968 ug/L

RT: 12.727 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

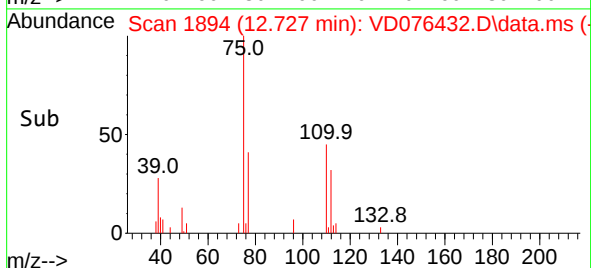
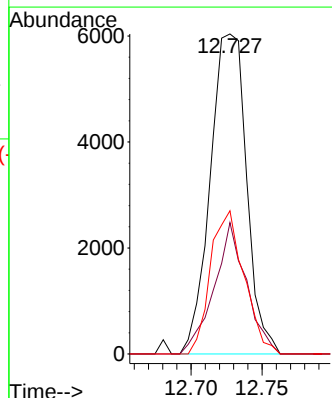
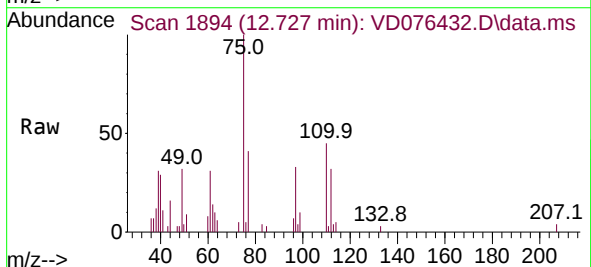
Tgt Ion: 75 Resp: 10765

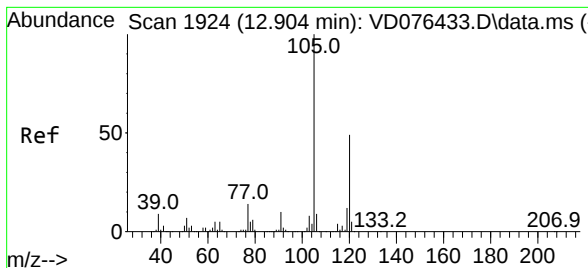
Ion Ratio Lower Upper

75 100

77 36.4 27.2 40.8

110 41.3 31.8 47.6

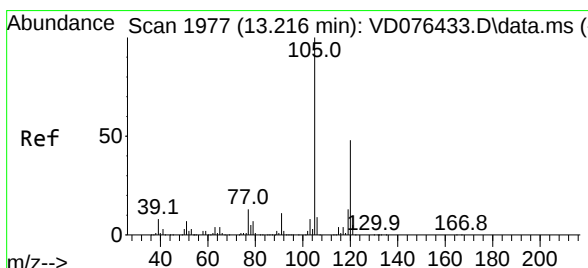
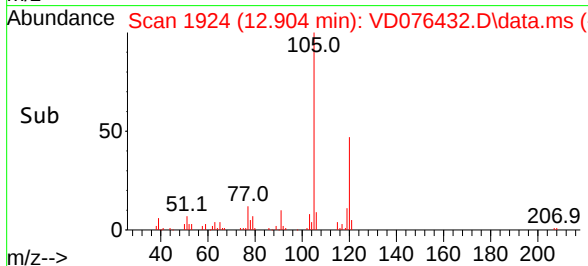
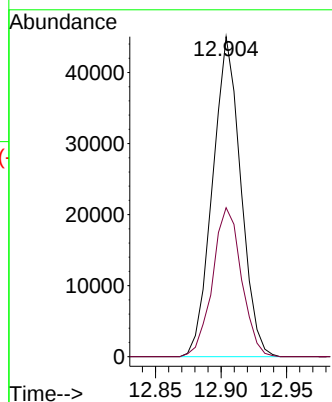
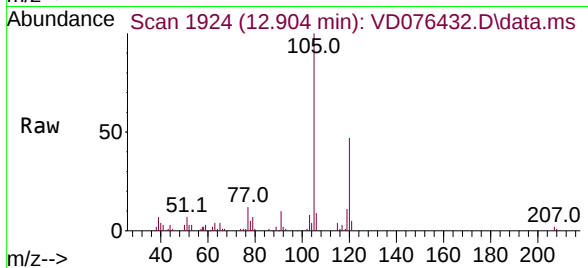




#62
 1,3,5-Trimethylbenzene
 Concen: 4.921 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

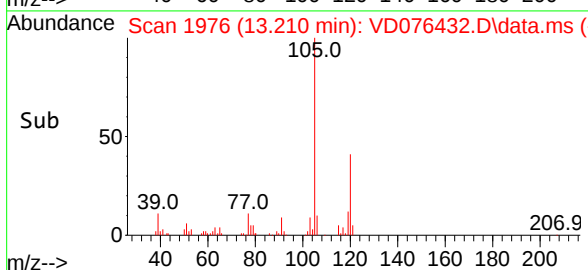
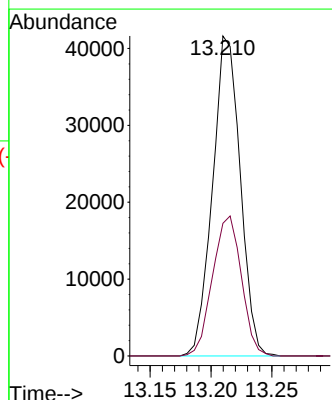
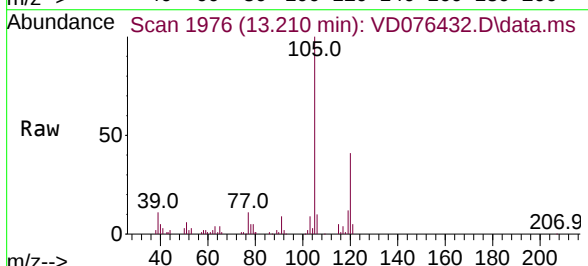
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005153

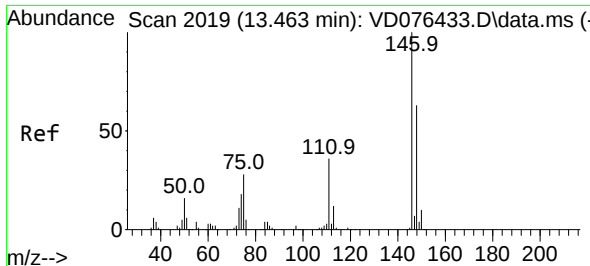
Tgt Ion:105 Resp: 67240
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.885 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: VD076432.D
 Acq: 15 Jun 2023 11:09

Tgt Ion:105 Resp: 65867
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.5 56.3

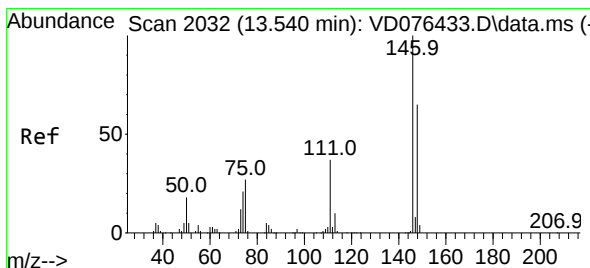
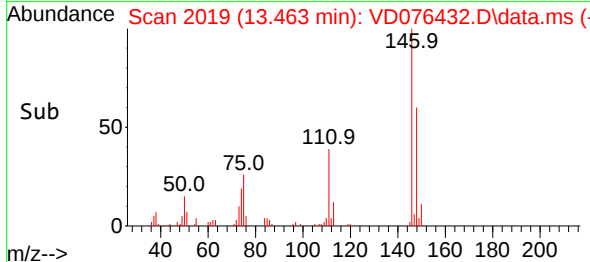
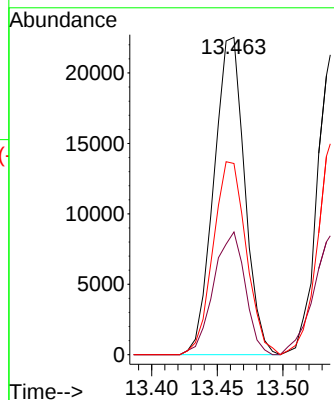
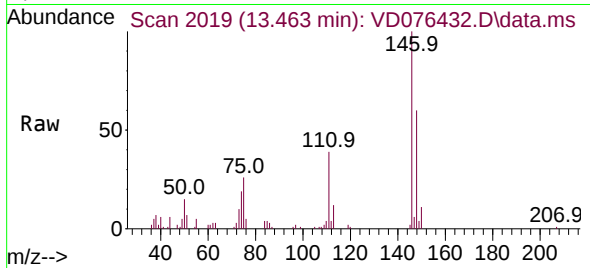




#64
1,3-Dichlorobenzene
Concen: 4.848 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

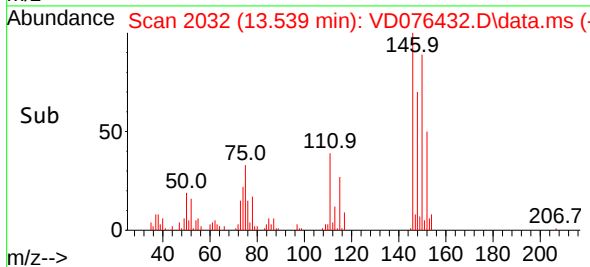
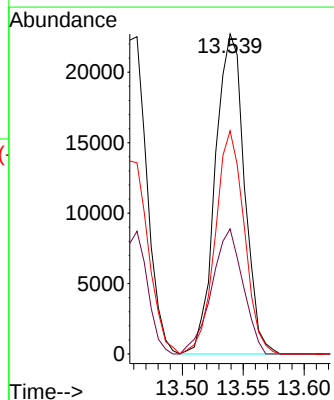
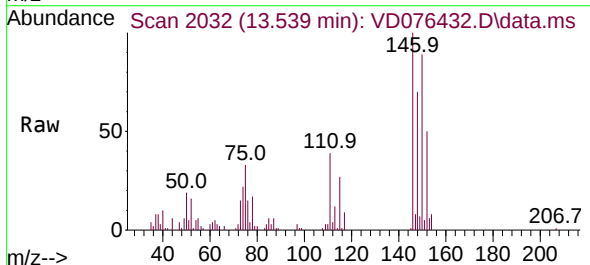
Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

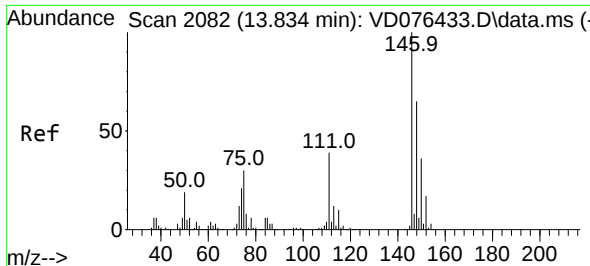
Tgt Ion:146 Resp: 36832
Ion Ratio Lower Upper
146 100
111 38.7 25.6 47.4
148 60.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.943 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion:146 Resp: 37856
Ion Ratio Lower Upper
146 100
111 39.0 25.7 47.7
148 69.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.920 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

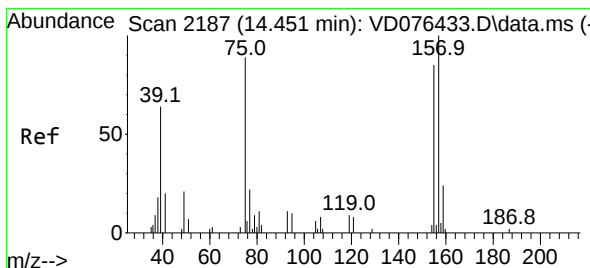
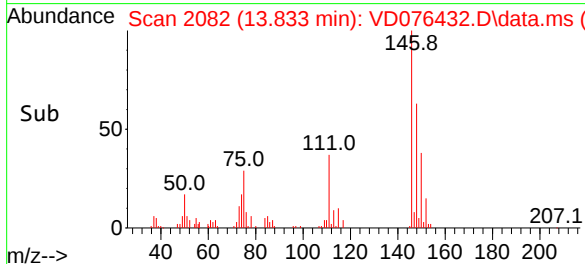
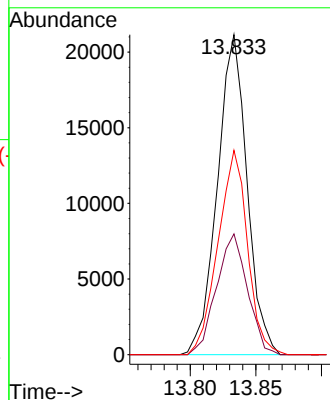
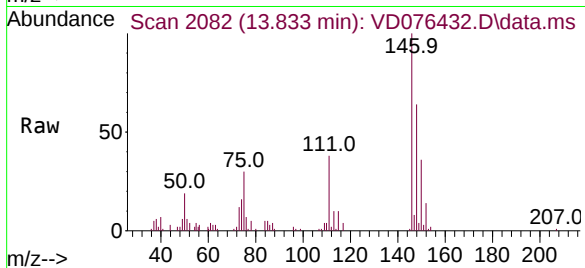
Tgt Ion:146 Resp: 33300

Ion Ratio Lower Upper

146 100

111 37.7 31.3 46.9

148 63.9 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.072 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

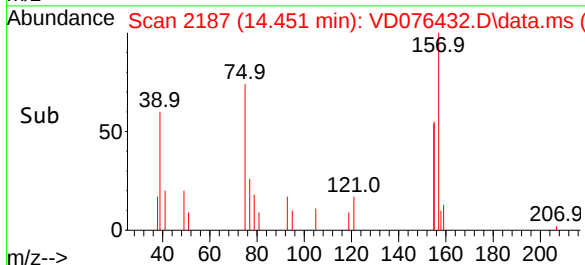
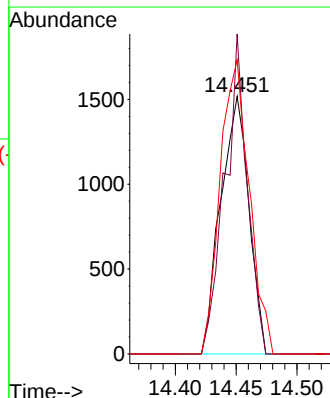
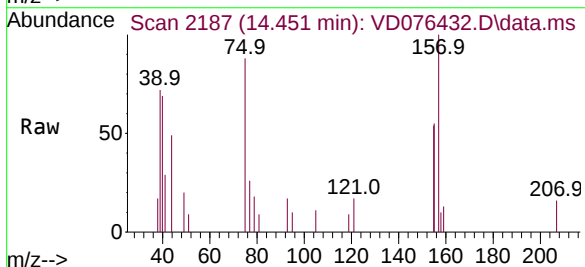
Tgt Ion: 75 Resp: 2447

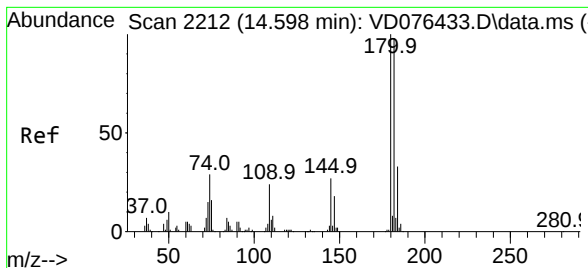
Ion Ratio Lower Upper

75 100

155 124.2 76.2 114.4#

157 114.2 89.4 134.2





#69

1,3,5-Trichlorobenzene

Concen: 5.069 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTD005153

Tgt Ion:180 Resp: 25686

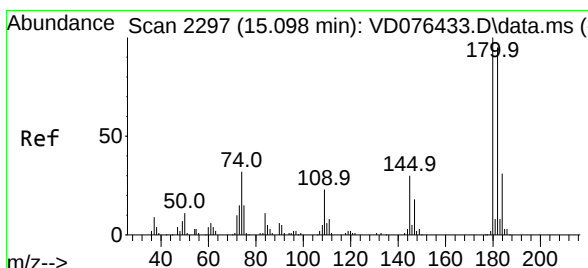
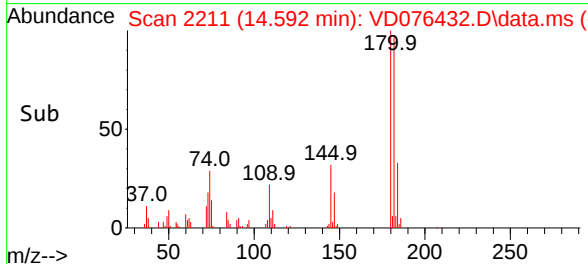
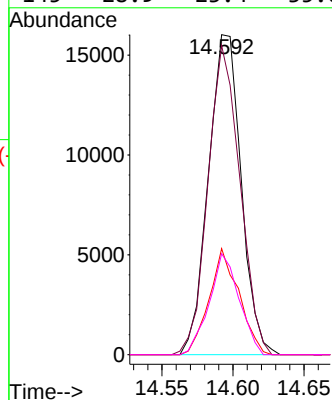
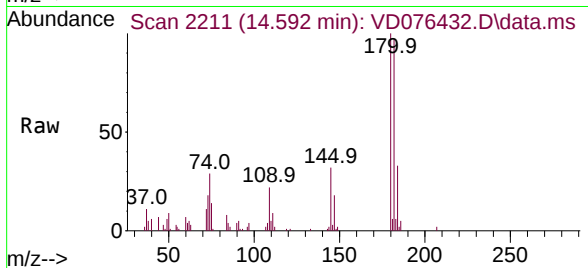
Ion Ratio Lower Upper

180 100

182 94.4 77.1 115.7

184 30.3 25.0 37.4

145 28.9 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 4.982 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.005 min

Lab File: VD076432.D

Acq: 15 Jun 2023 11:09

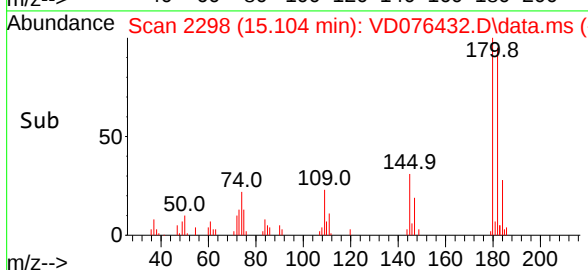
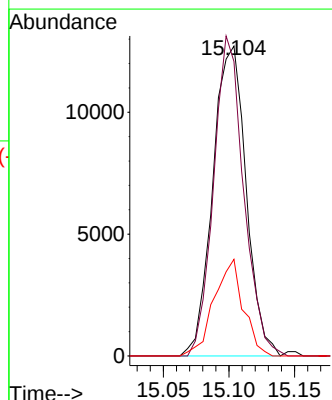
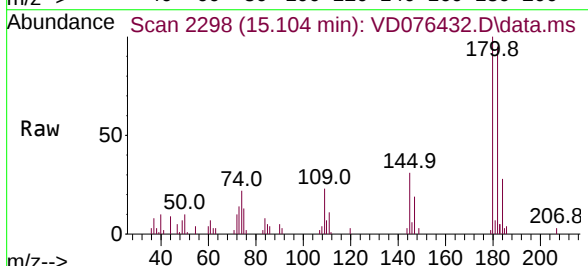
Tgt Ion:180 Resp: 22462

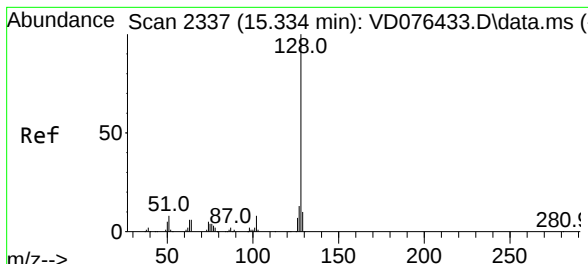
Ion Ratio Lower Upper

180 100

182 93.1 76.9 115.3

145 27.5 23.5 35.3

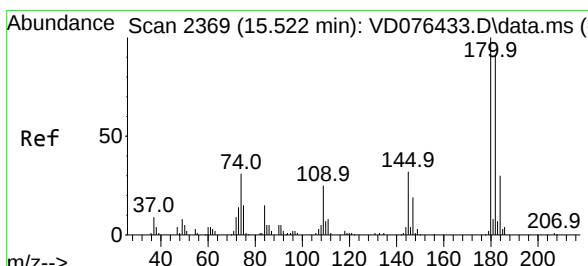
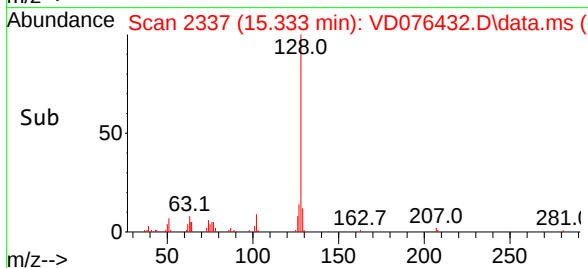
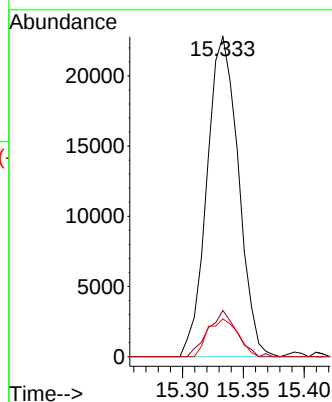
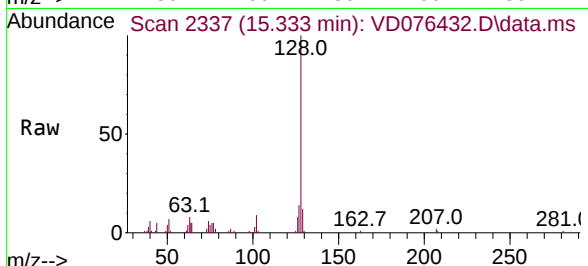




#71
Naphthalene
Concen: 4.754 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTD005153

Tgt Ion:	128	Resp:	41041
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.8	16.2
129	11.3	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 4.851 ug/L
RT: 15.521 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD076432.D
Acq: 15 Jun 2023 11:09

Tgt Ion:	180	Resp:	18995
Ion Ratio	Lower	Upper	
180	100		
182	93.4	74.3	111.5
145	29.8	25.0	37.6

