

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076431.D
 Acq On : 15 Jun 2023 10:40
 Operator : KP/SY
 Sample : VSTD2.552
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 01:14:12 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	262043	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	232447	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	109699	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	17737	2.779	ug/L	0.00
7) Chloroethane-d5	2.799	69	13450	2.604	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	2260	1.357	ug/L	0.00
21) 2-Butanone-d5	6.981	46	2329	2.254	ug/L	0.00
24) Chloroform-d	7.569	84	17295	2.505	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	8065	2.368	ug/L	0.00
32) Benzene-d6	8.199	84	36888	2.594	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	11888	2.619	ug/L	0.00
41) Toluene-d8	10.269	98	32742	2.487	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	4892	2.591	ug/L	0.00
47) 2-Hexanone-d5	10.887	63	3444	4.888	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	12.651	84	7971	2.469	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	10108	2.514	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	10756	2.634	ug/L	100
3) Chloromethane	2.146	50	18748	2.762	ug/L	93
5) Vinyl chloride	2.281	62	18564	2.535	ug/L #	78
6) Bromomethane	2.693	94	10421	2.569	ug/L	100
8) Chloroethane	2.834	64	11916	2.657	ug/L	98
9) Trichlorofluoromethane	3.175	101	14411	2.722	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	8372	2.438	ug/L #	79
12) 1,1-Dichloroethene	3.946	96	4437	1.300	ug/L	85
13) Acetone	4.028	43	2566	3.277	ug/L	99
14) Carbon disulfide	4.264	76	33684	2.732	ug/L	97
15) Methyl Acetate	4.558	43	3679	1.954	ug/L #	70
16) Methylene chloride	4.793	84	18734	4.107	ug/L	86
17) trans-1,2-Dichloroethene	5.311	96	9953	2.615	ug/L	83
18) Methyl tert-butyl Ether	5.322	73	22486	2.605	ug/L #	89
19) 1,1-Dichloroethane	6.105	63	18462	2.663	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	11517	2.711	ug/L	90
22) 2-Butanone	7.052	43	1185	0.889	ug/L	94
23) Bromochloromethane	7.411	128	2609	1.452	ug/L #	65
25) Chloroform	7.599	83	17747	2.623	ug/L	86
27) 1,2-Dichloroethane	8.316	62	7109	1.709	ug/L	98
29) Cyclohexane	7.869	56	16000	2.588	ug/L	98
30) 1,1,1-Trichloroethane	7.781	97	8208	1.520	ug/L #	63
31) Carbon tetrachloride	7.981	117	10178	2.357	ug/L	98
33) Benzene	8.246	78	38417	2.497	ug/L	100
34) Trichloroethene	9.022	95	10372	2.625	ug/L	96
35) Methylcyclohexane	9.269	83	16050	2.519	ug/L	95
37) 1,2-Dichloropropane	9.305	63	10939	2.608	ug/L	100
38) Bromodichloromethane	9.581	83	12286	2.568	ug/L #	90
39) cis-1,3-Dichloropropene	10.016	75	16771	2.619	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	14010	5.369	ug/L	97
42) Toluene	10.334	91	43220	2.629	ug/L	96
44) trans-1,3-Dichloropropene	10.552	75	13468	2.587	ug/L	100

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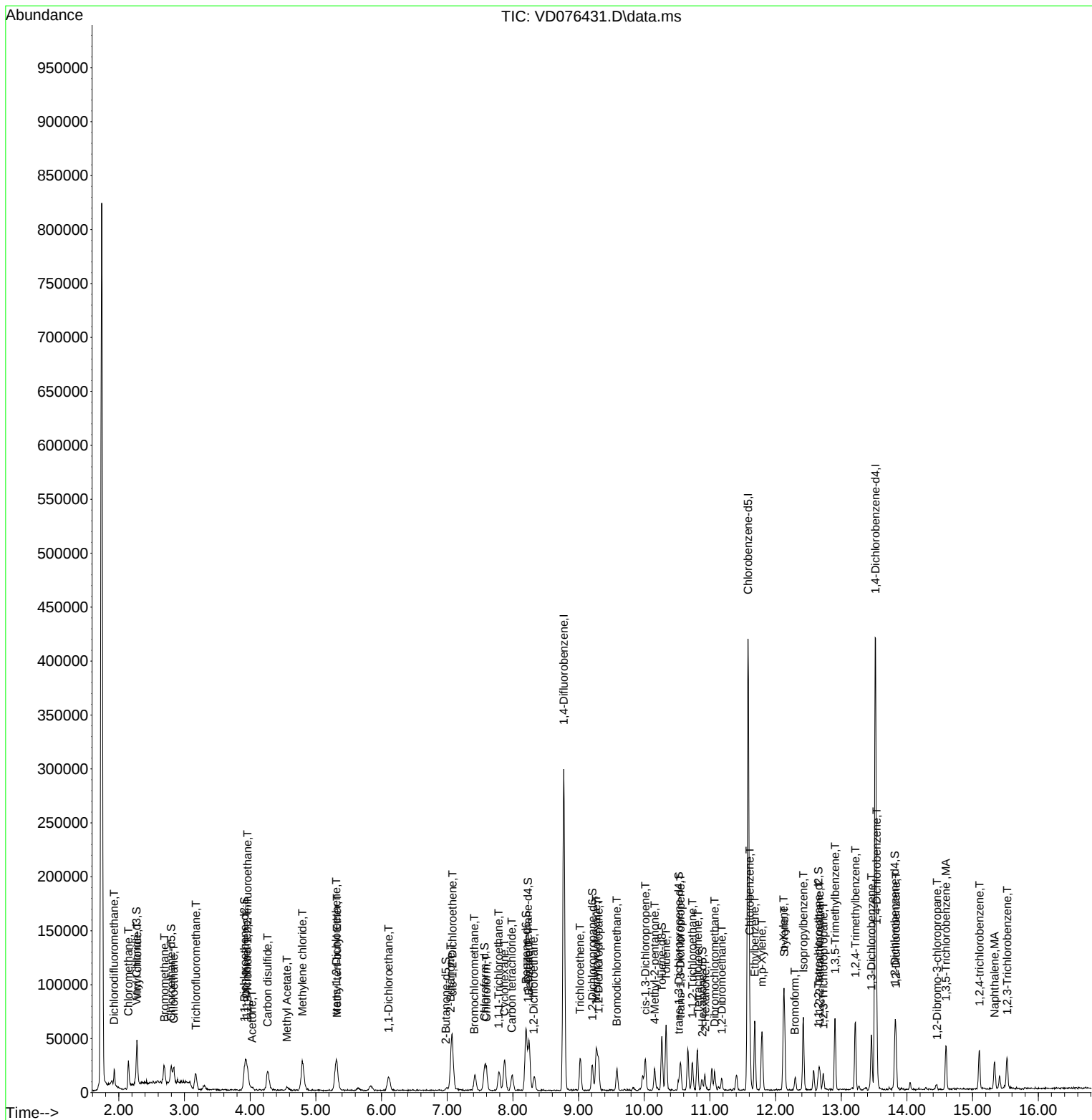
Instrument :
 MSVOA_D
 ClientSampleId :

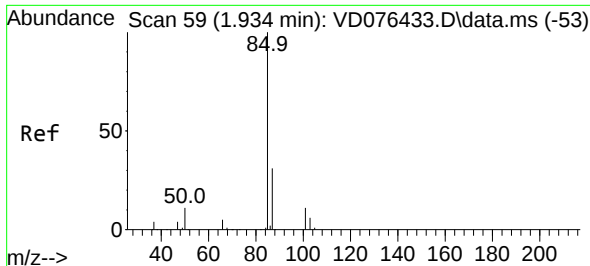
Quant Time: Jun 16 01:14:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:13:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	7606	2.644	ug/L	97
46) Tetrachloroethene	10.816	164	8426	2.712	ug/L	79
48) 2-Hexanone	10.928	43	9659	5.405	ug/L #	95
49) Dibromochloromethane	11.069	129	8006	2.449	ug/L	83
50) 1,2-Dibromoethane	11.181	107	7409	2.653	ug/L #	98
51) Chlorobenzene	11.604	112	26820	2.613	ug/L	96
52) Ethylbenzene	11.681	91	45219	2.552	ug/L	97
53) m,p-Xylene	11.793	106	18443	2.648	ug/L	87
54) o-Xylene	12.122	106	16816	2.536	ug/L	84
55) Styrene	12.134	104	28556	2.493	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	8610	2.619	ug/L	87
59) Bromoform	12.293	173	5089	2.591	ug/L #	95
60) Isopropylbenzene	12.422	105	42145	2.512	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	5696	2.675	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	34410	2.563	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	33652	2.540	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	19909	2.667	ug/L	89
65) 1,4-Dichlorobenzene	13.540	146	20809	2.765	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	17387	2.615	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.457	75	1326	2.797	ug/L #	43
69) 1,3,5-Trichlorobenzene	14.593	180	13348	2.681	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	11242	2.538	ug/L	97
71) Naphthalene	15.334	128	22016	2.596	ug/L	98
72) 1,2,3-Trichlorobenzene	15.528	180	9560	2.485	ug/L	93

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

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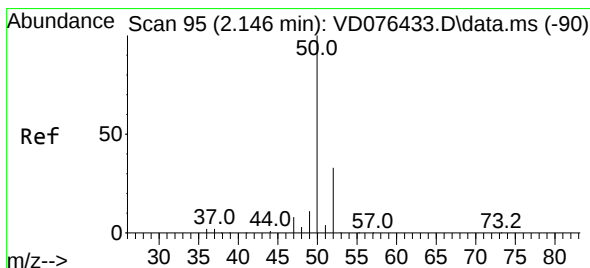
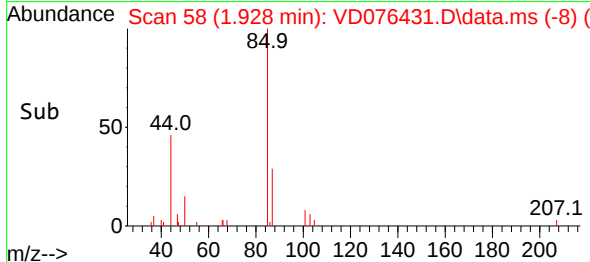
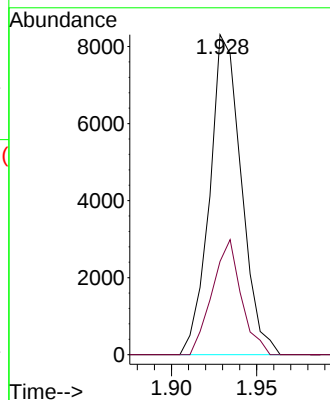
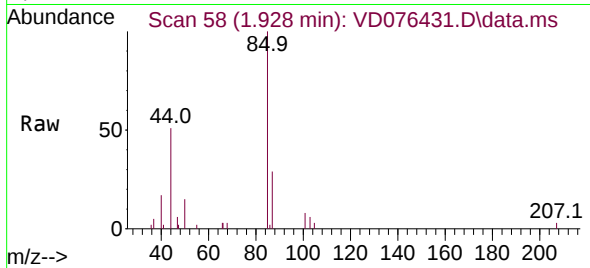




#2
Dichlorodifluoromethane
Concen: 2.634 ug/L
RT: 1.928 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

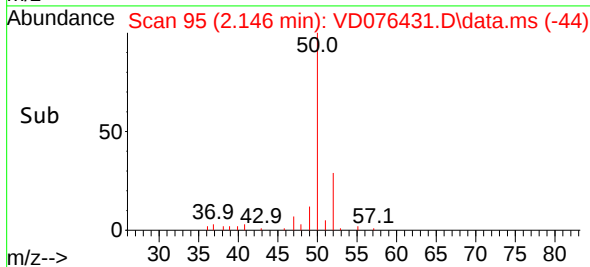
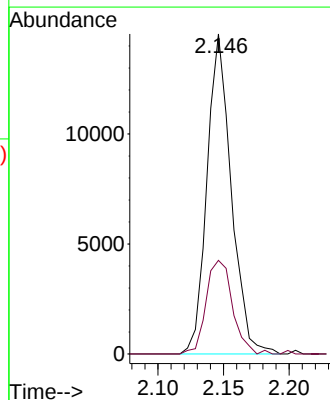
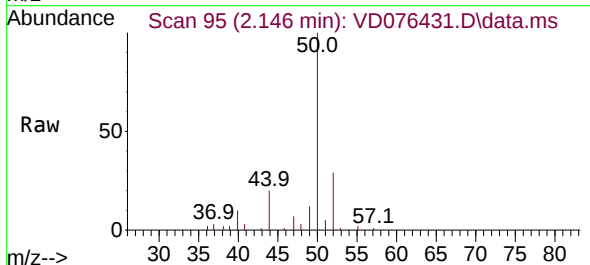
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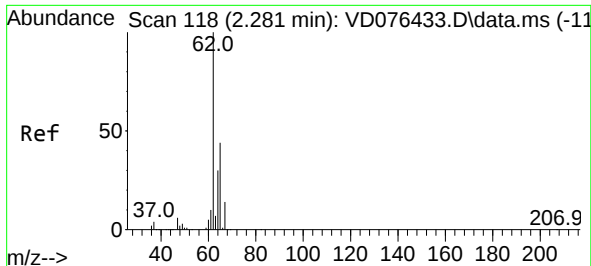
Tgt Ion: 85 Resp: 10756
Ion Ratio Lower Upper
85 100
87 32.9 26.3 39.5



#3
Chloromethane
Concen: 2.762 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 50 Resp: 18748
Ion Ratio Lower Upper
50 100
52 29.2 23.2 43.2

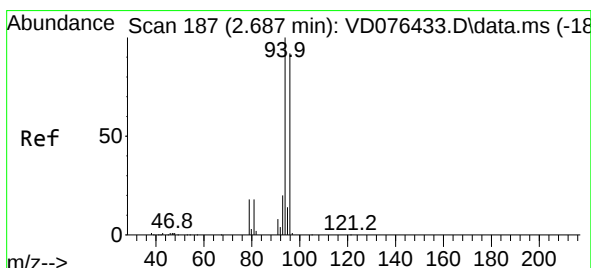
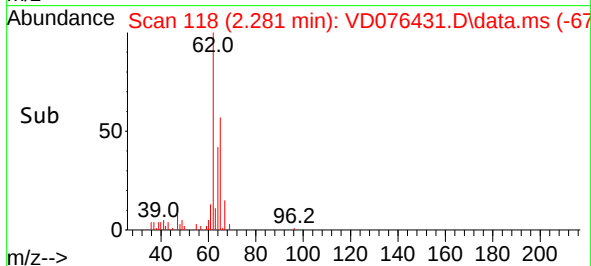
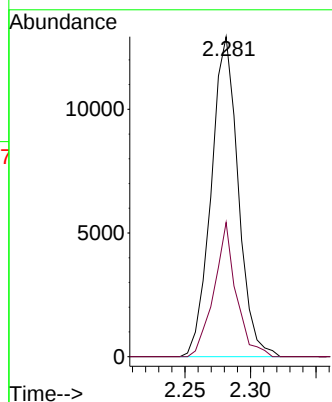
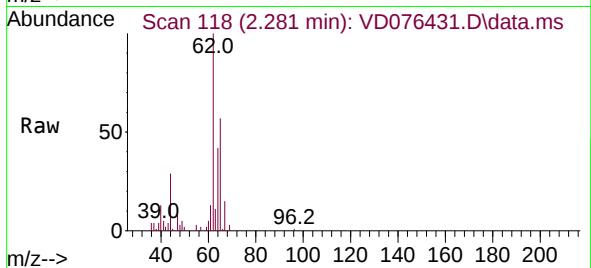




#5
 Vinyl chloride
 Concen: 2.535 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

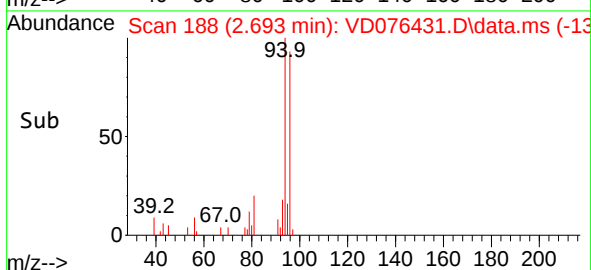
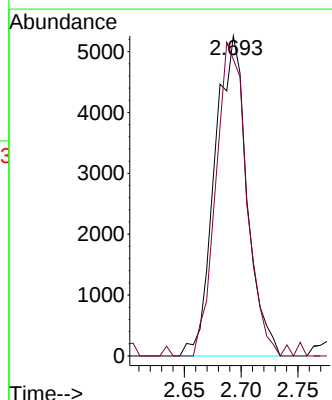
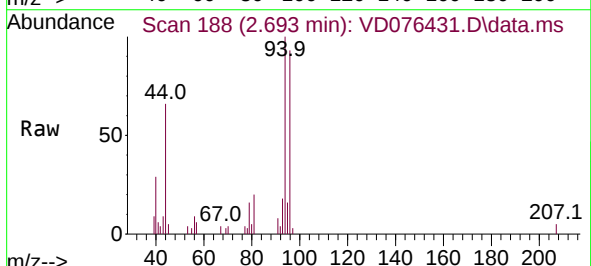
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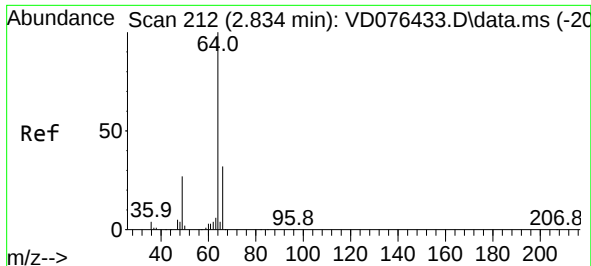
Tgt Ion: 62 Resp: 18564
 Ion Ratio Lower Upper
 62 100
 64 42.0 21.1 39.1#



#6
 Bromomethane
 Concen: 2.569 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

Tgt Ion: 94 Resp: 10421
 Ion Ratio Lower Upper
 94 100
 96 92.7 64.7 120.1

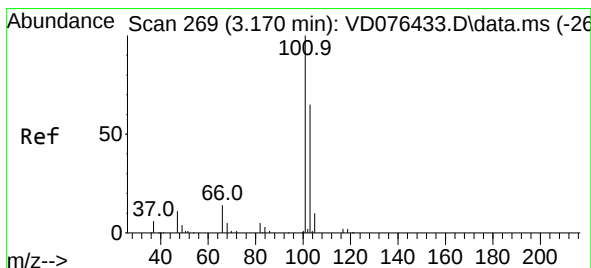
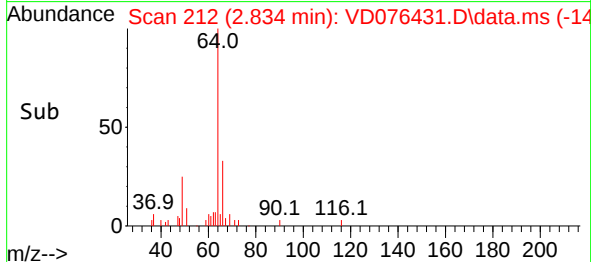
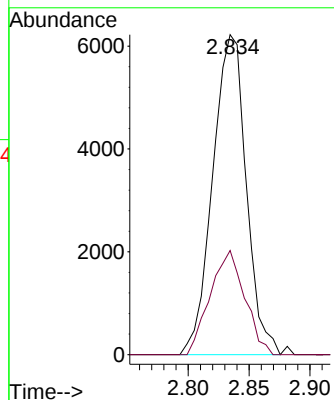
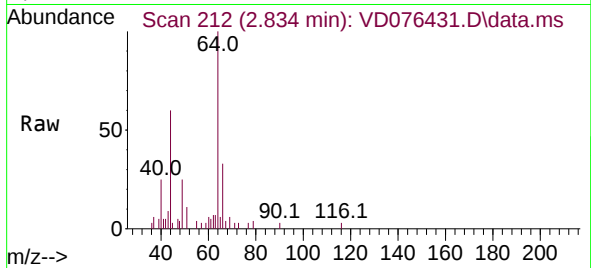




#8
Chloroethane
Concen: 2.657 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

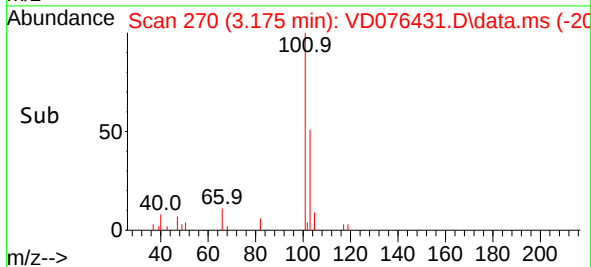
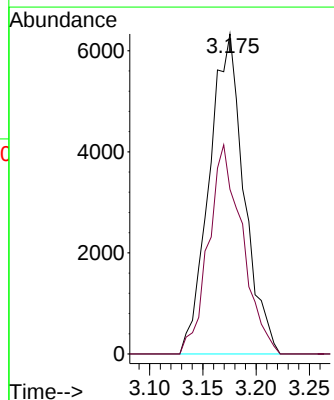
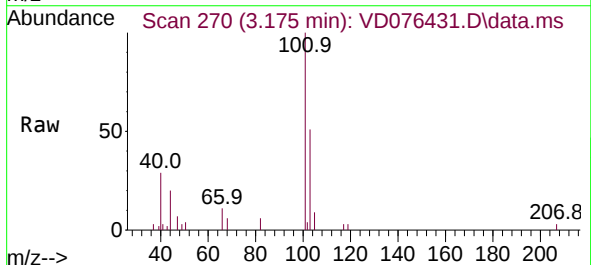
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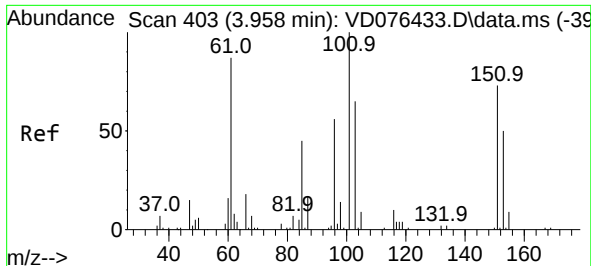
Tgt Ion: 64 Resp: 11916
Ion Ratio Lower Upper
64 100
66 32.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.722 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:101 Resp: 14411
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.6

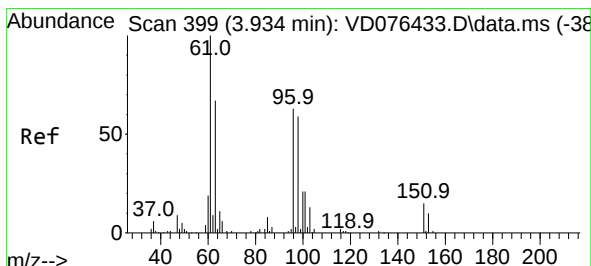
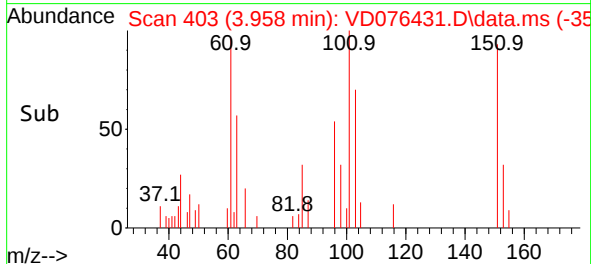
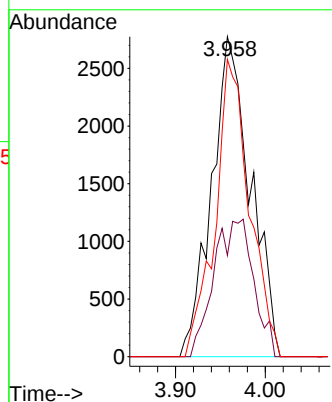
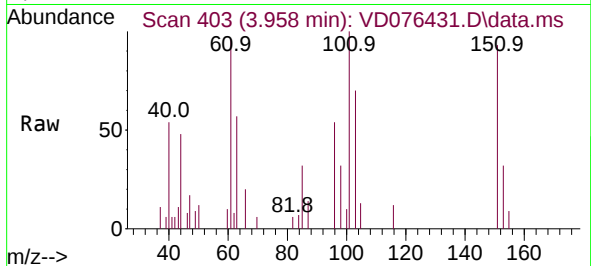




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.438 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

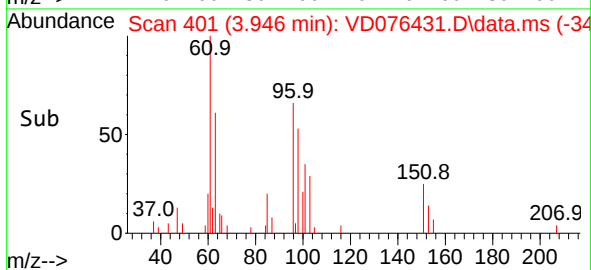
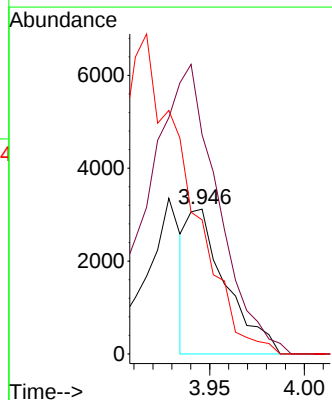
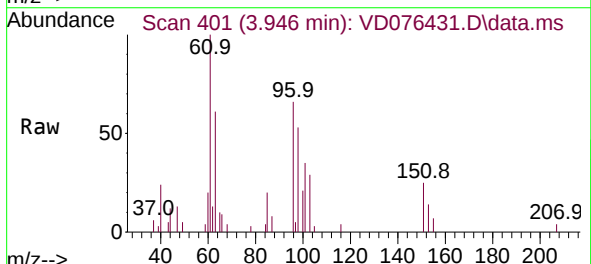
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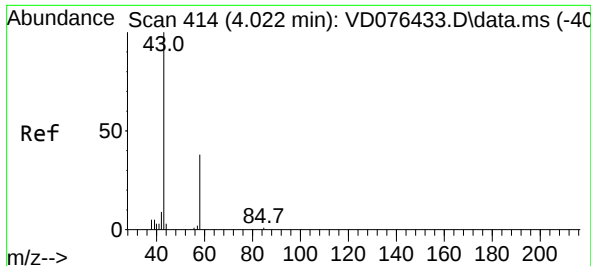
Tgt Ion:101 Resp: 8372
 Ion Ratio Lower Upper
 101 100
 85 18.4 35.5 53.3#
 151 81.6 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 1.300 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.012 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

Tgt Ion: 96 Resp: 4437
 Ion Ratio Lower Upper
 96 100
 61 151.4 113.0 209.8
 63 92.6 83.6 155.2





#13

Acetone

Concen: 3.277 ug/L

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

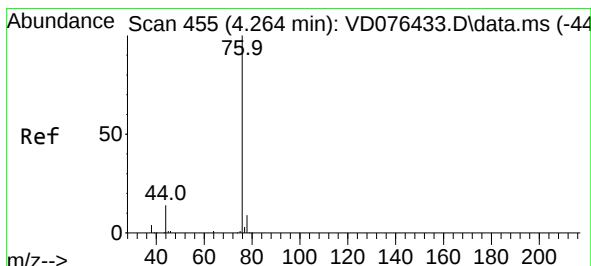
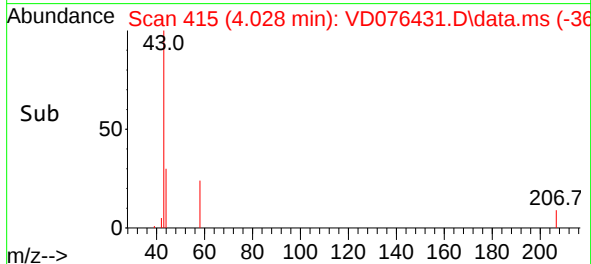
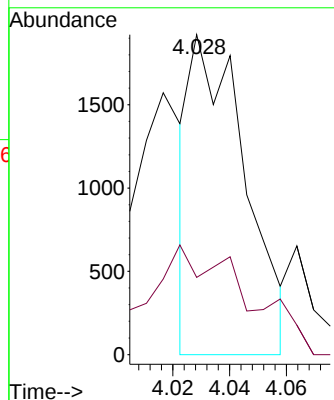
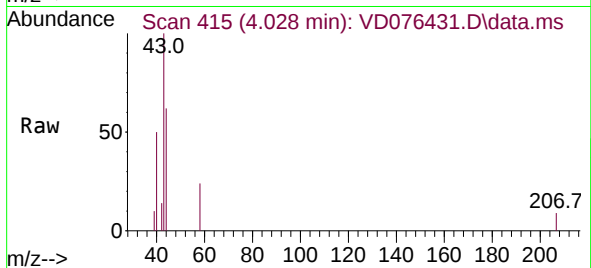
ClientSampleId :

Tgt Ion: 43 Resp: 2566

Ion Ratio Lower Upper

43 100

58 34.3 0.0 67.4



#14

Carbon disulfide

Concen: 2.732 ug/L

RT: 4.264 min Scan# 455

Delta R.T. 0.000 min

Lab File: VD076431.D

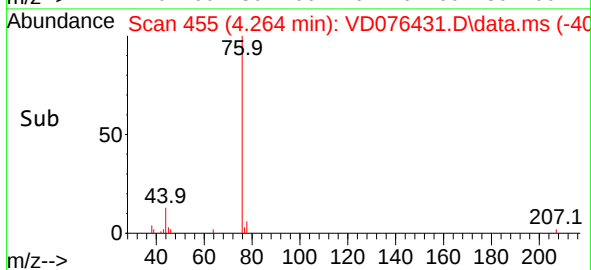
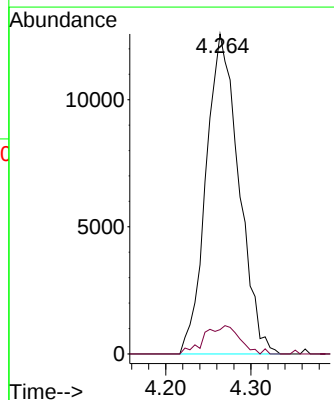
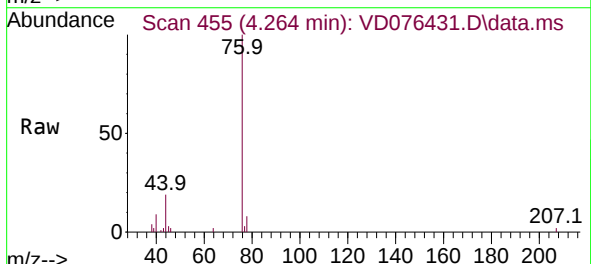
Acq: 15 Jun 2023 10:40

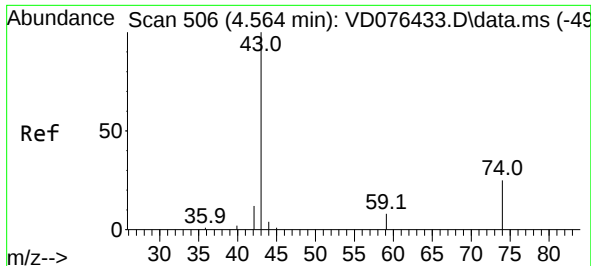
Tgt Ion: 76 Resp: 33684

Ion Ratio Lower Upper

76 100

78 7.6 7.0 10.4

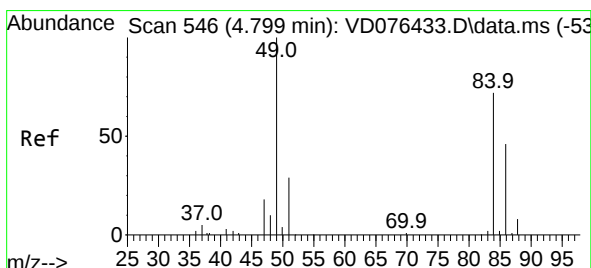
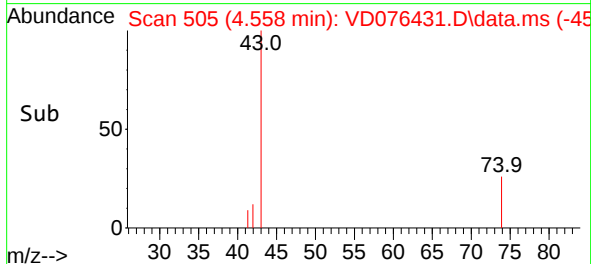
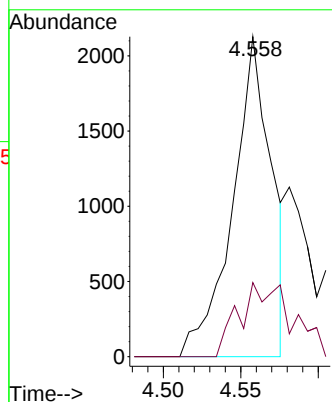
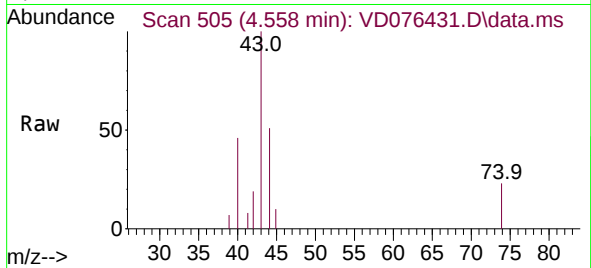




#15
Methyl Acetate
Concen: 1.954 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

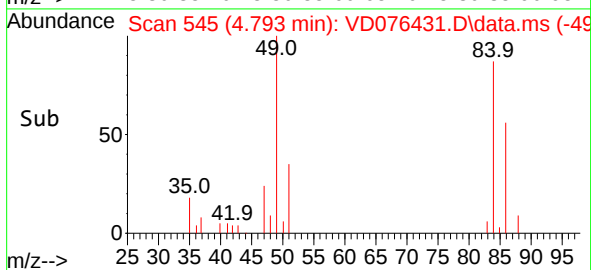
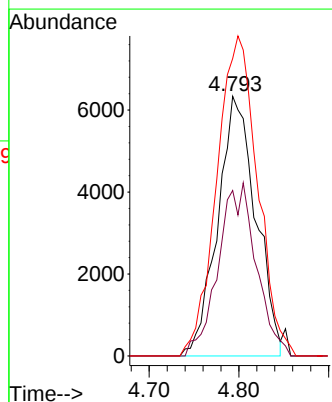
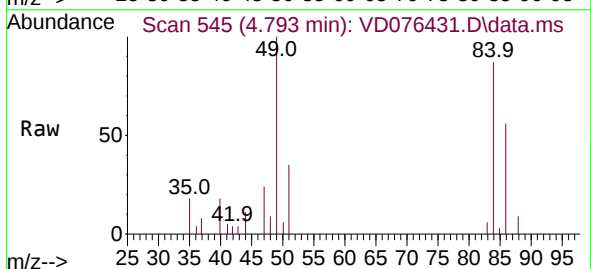
Instrument :
MSVOA_D
ClientSampleId :

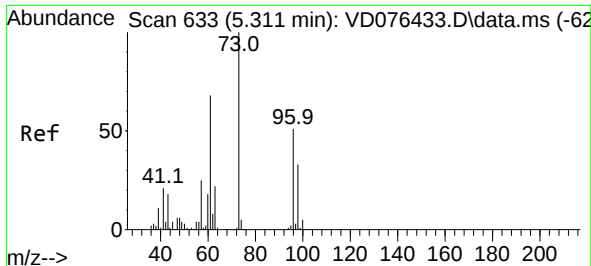
Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
74 8.2 18.2 27.2#



#16
Methylene chloride
Concen: 4.107 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 84 Resp: 18734
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.9
49 114.5 97.2 180.6

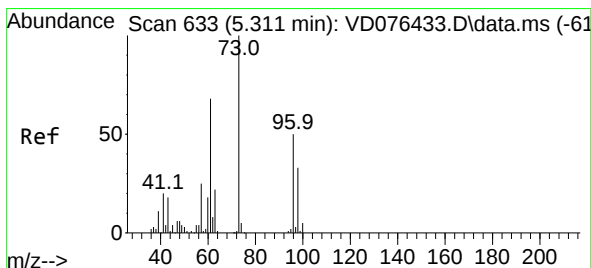
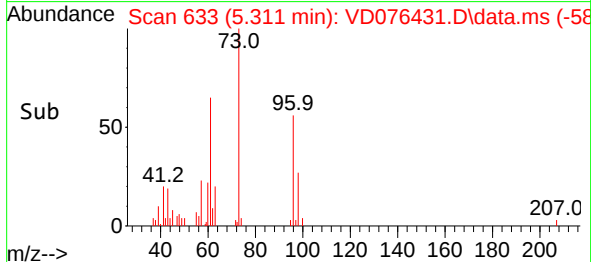
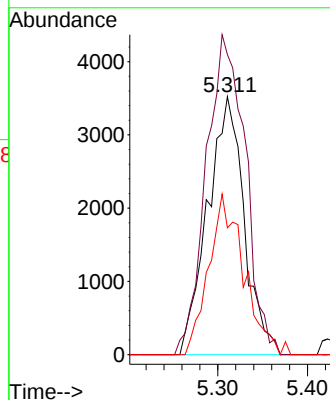
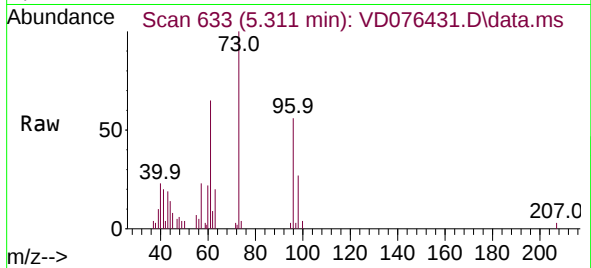




#17
trans-1,2-Dichloroethene
Concen: 2.615 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

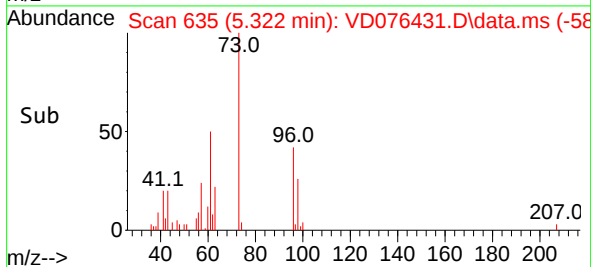
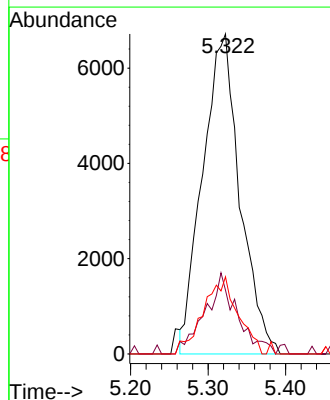
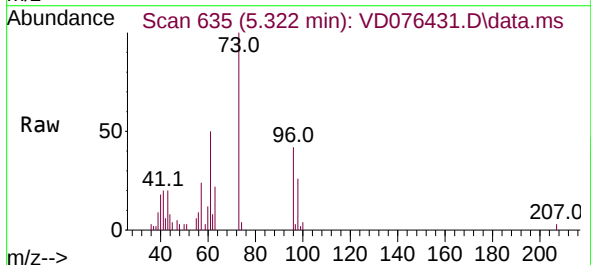
Instrument :
MSVOA_D
ClientSampleId :

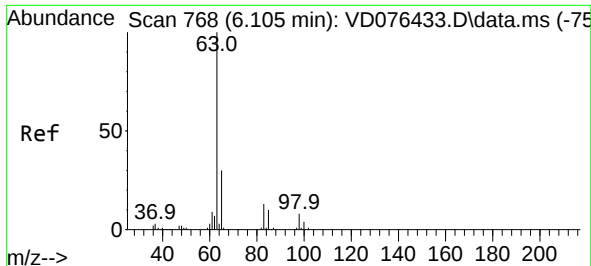
Tgt Ion: 96 Resp: 9953
Ion Ratio Lower Upper
96 100
61 116.3 94.5 175.5
98 49.1 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 2.605 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.012 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 73 Resp: 22486
Ion Ratio Lower Upper
73 100
43 20.4 7.2 10.8#
57 21.6 18.6 28.0





#19

1,1-Dichloroethane

Concen: 2.663 ug/L

RT: 6.105 min Scan# 768

Delta R.T. 0.000 min

Lab File: VD076431.D

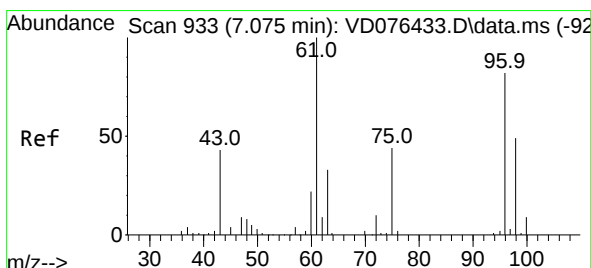
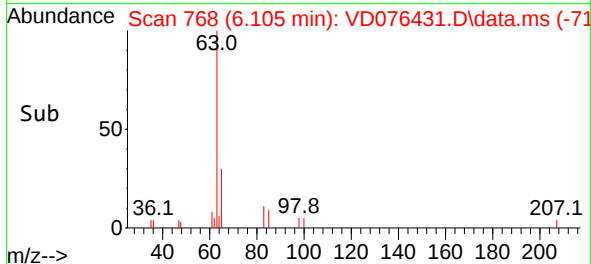
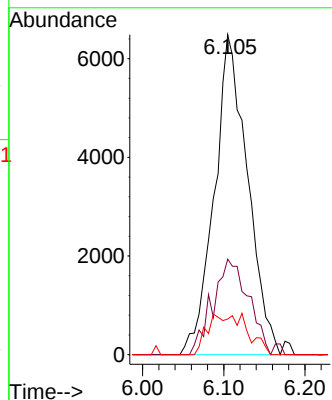
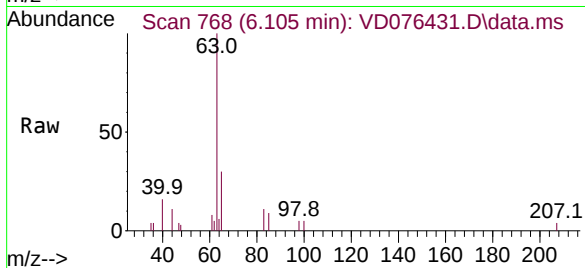
Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	63	Resp:	18462
Ion	Ratio	Lower	Upper
63	100		
65	29.9	20.8	38.6
83	11.2	8.9	16.5



#20

cis-1,2-Dichloroethene

Concen: 2.711 ug/L

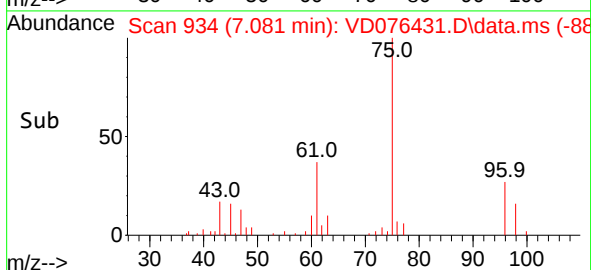
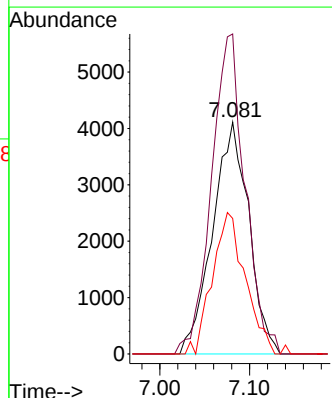
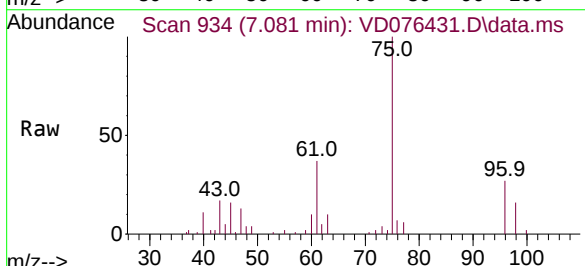
RT: 7.081 min Scan# 934

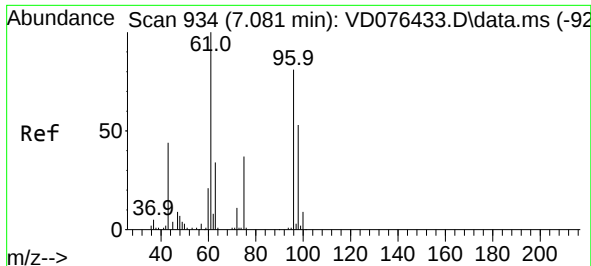
Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion:	96	Resp:	11517
Ion	Ratio	Lower	Upper
96	100		
61	138.0	86.0	159.6
98	58.4	42.2	78.4

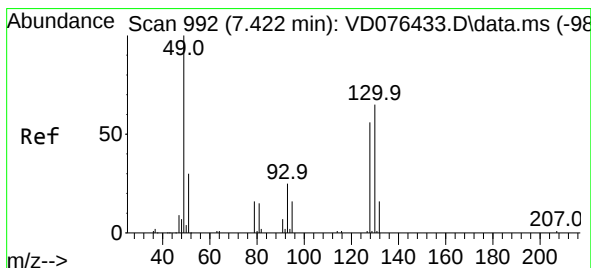
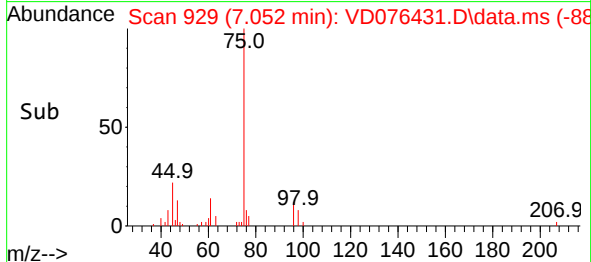
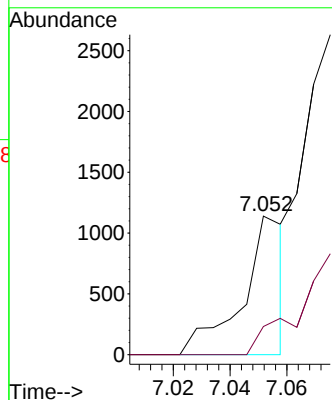
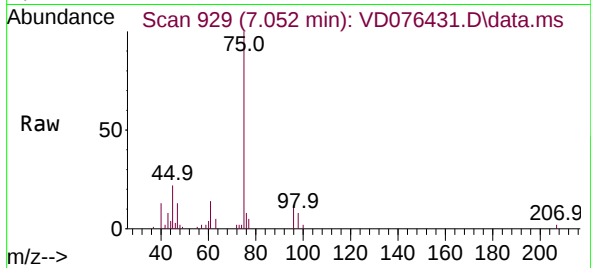




#22
2-Butanone
Concen: 0.889 ug/L
RT: 7.052 min Scan# 911
Delta R.T. -0.029 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

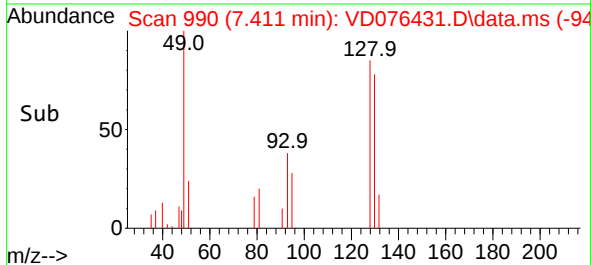
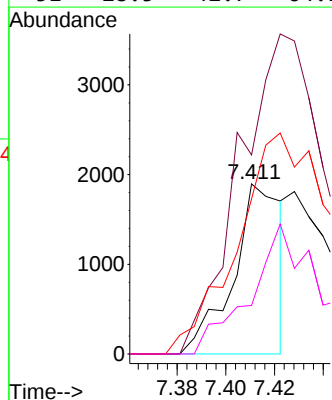
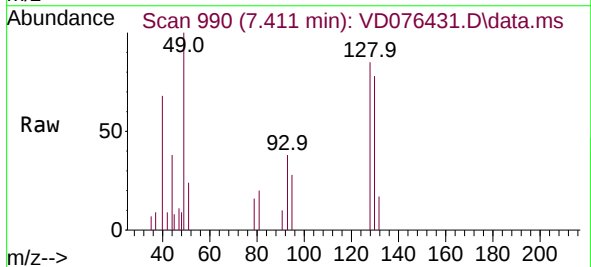
Instrument :
MSVOA_D
ClientSampleId :

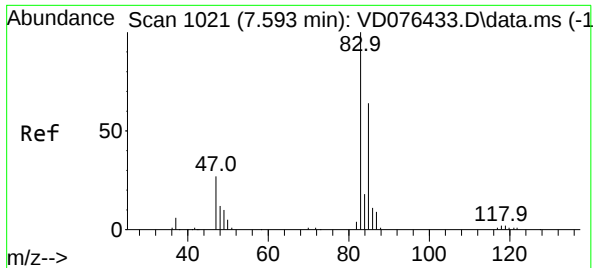
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
72 22.5 12.9 38.7



#23
Bromochloromethane
Concen: 1.452 ug/L
RT: 7.411 min Scan# 990
Delta R.T. -0.012 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:128 Resp: 2609
Ion Ratio Lower Upper
128 100
49 117.1 124.7 231.7#
130 91.1 80.0 148.6
51 28.5 42.7 64.1#





#25

Chloroform

Concen: 2.623 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

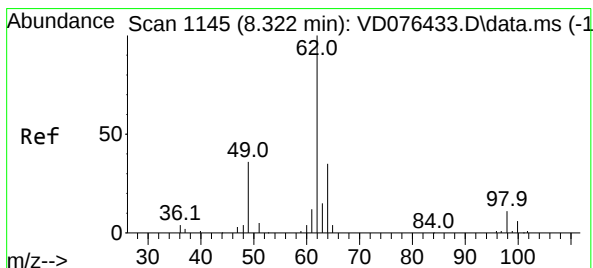
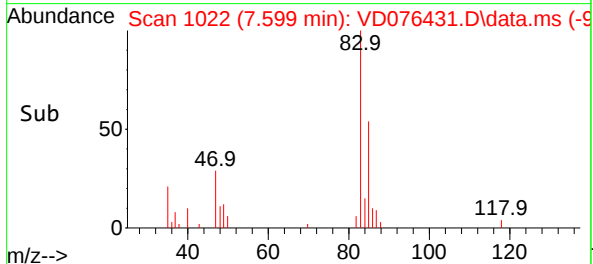
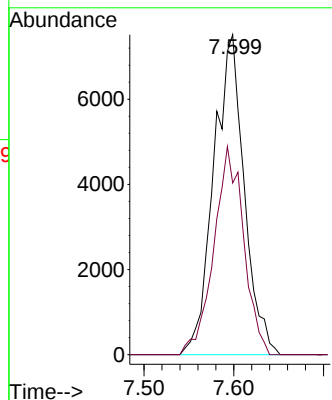
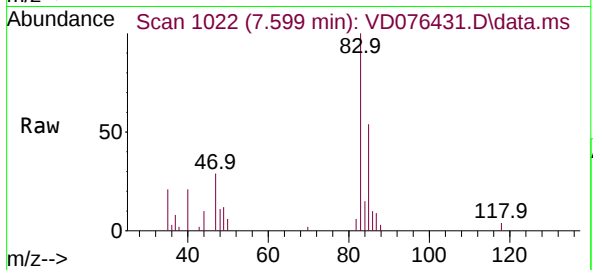
ClientSampleId :

Tgt Ion: 83 Resp: 17747

Ion Ratio Lower Upper

83 100

85 53.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 1.709 ug/L

RT: 8.316 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VD076431.D

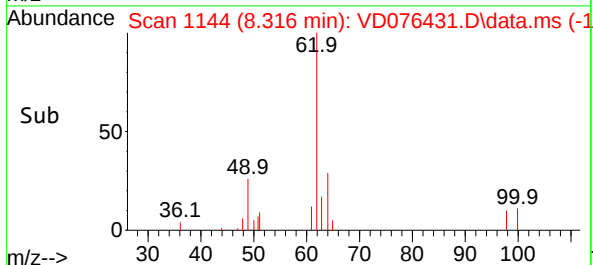
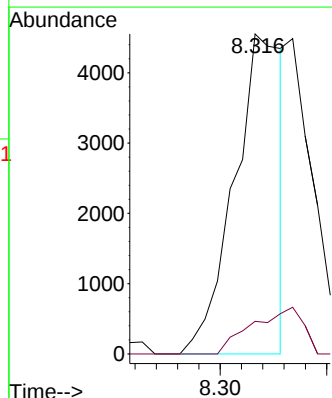
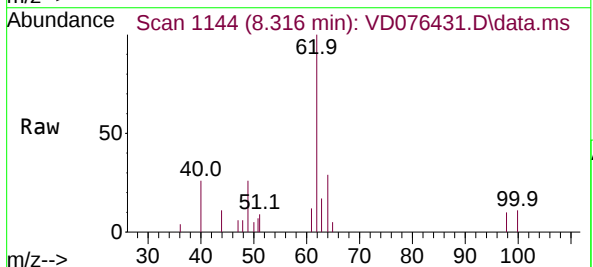
Acq: 15 Jun 2023 10:40

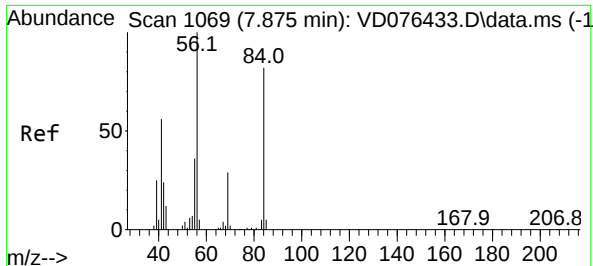
Tgt Ion: 62 Resp: 7109

Ion Ratio Lower Upper

62 100

98 10.2 8.7 13.1





#29

Cyclohexane

Concen: 2.588 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

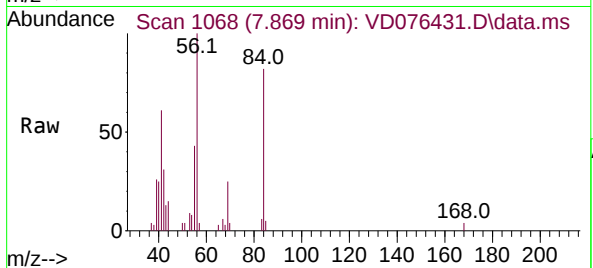
Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

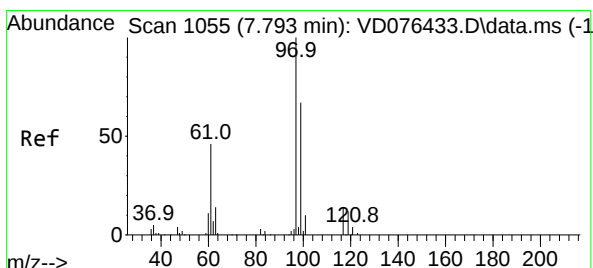
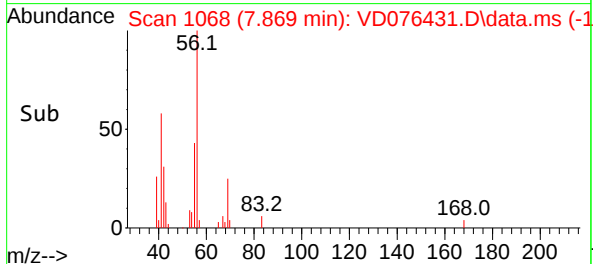
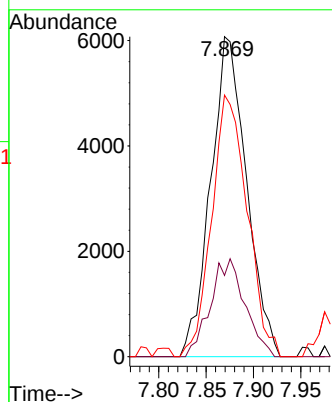
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 16000
Ion Ratio	Lower Upper
56	100
69	29.5 23.4 35.0
84	81.1 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 1.520 ug/L

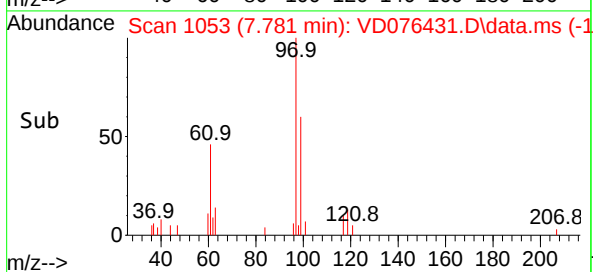
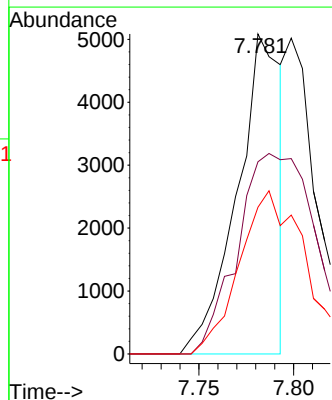
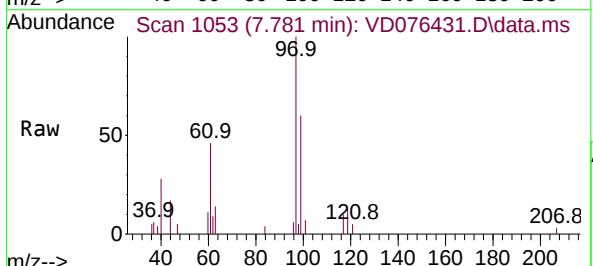
RT: 7.781 min Scan# 1053

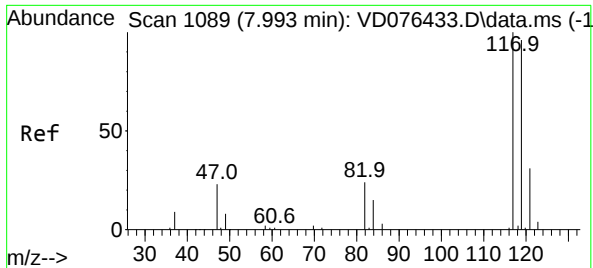
Delta R.T. -0.012 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion: 97	Resp: 8208
Ion Ratio	Lower Upper
97	100
99	111.4 51.0 76.6#
61	48.3 36.4 54.6

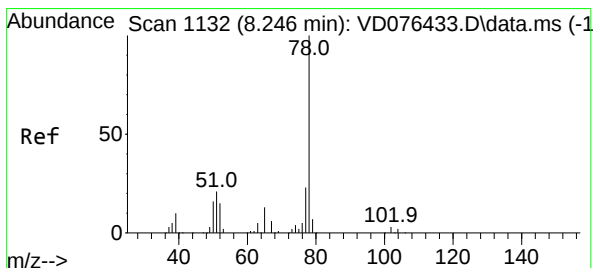
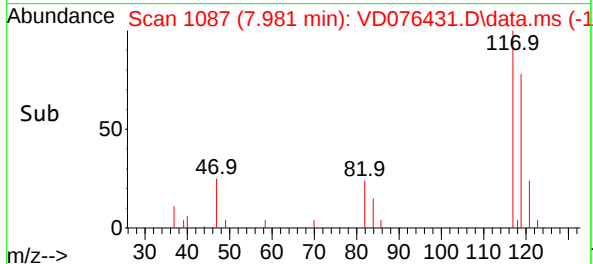
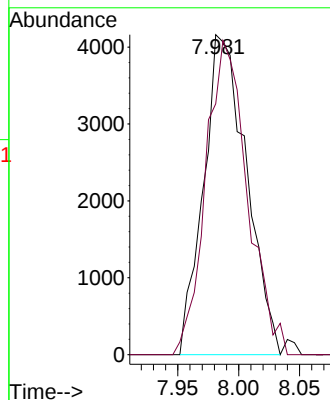
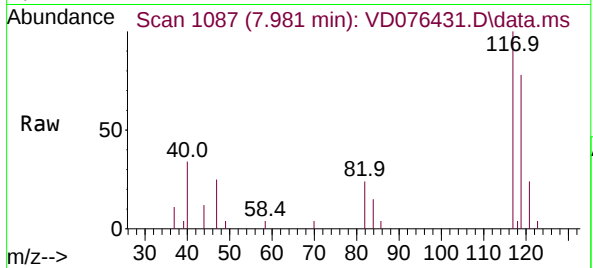




#31
Carbon tetrachloride
Concen: 2.357 ug/L
RT: 7.981 min Scan# 1087
Delta R.T. -0.012 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

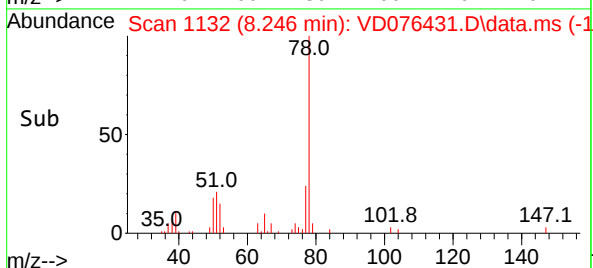
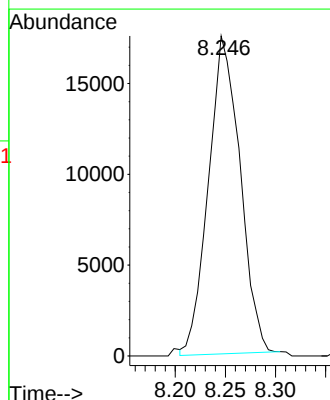
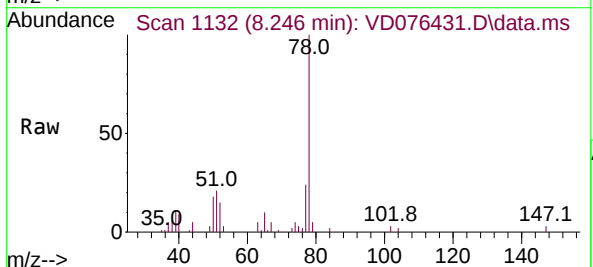
Instrument :
MSVOA_D
ClientSampleId :

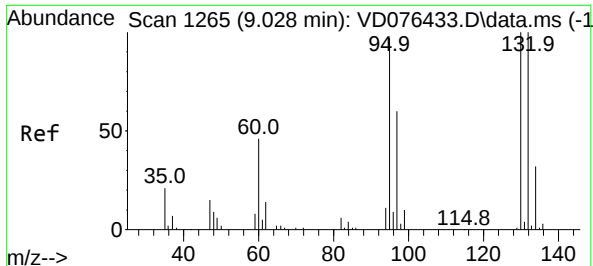
Tgt Ion:117 Resp: 10178
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6



#33
Benzene
Concen: 2.497 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 78 Resp: 38417



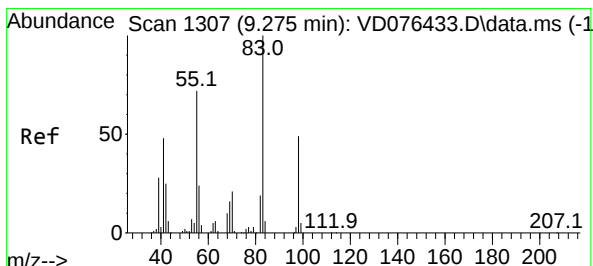
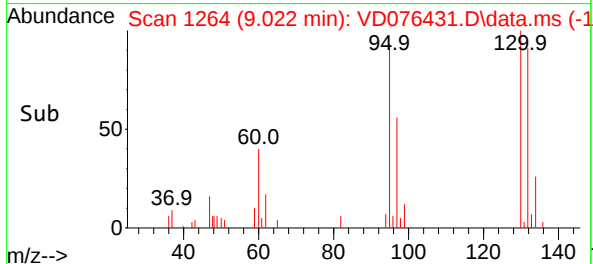
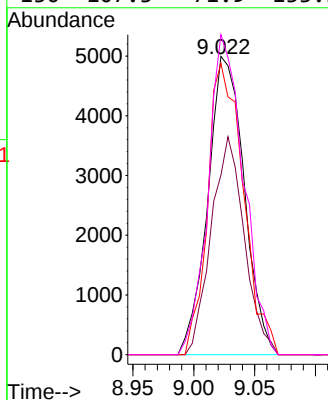
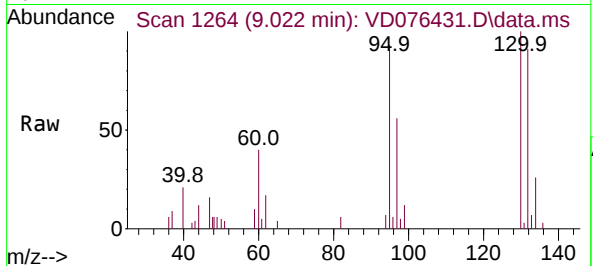


#34
Trichloroethene
Concen: 2.625 ug/L
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 10372

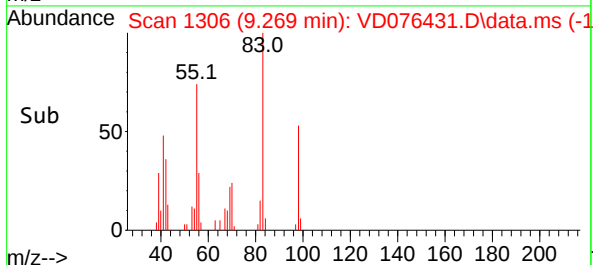
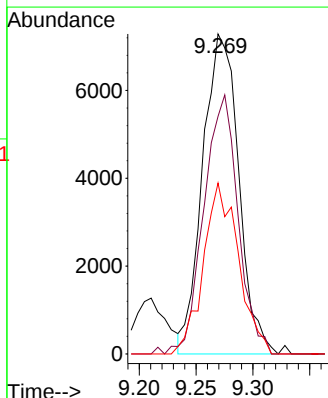
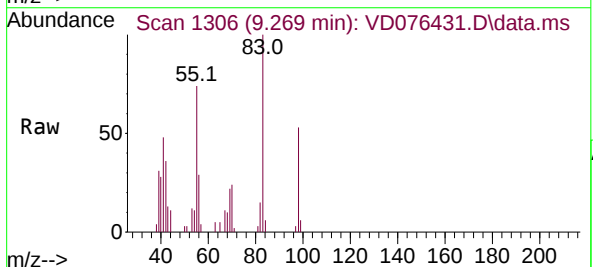
Ion	Ratio	Lower	Upper
95	100		
97	60.2	43.1	80.1
132	97.6	71.8	133.4
130	107.3	71.9	133.5

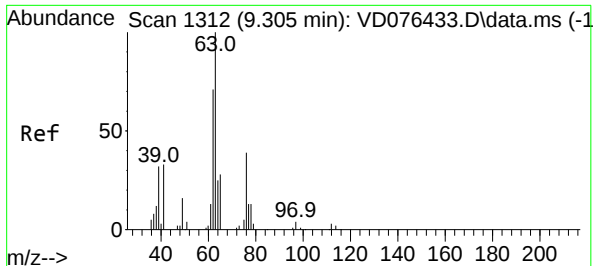


#35
Methylcyclohexane
Concen: 2.519 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 83 Resp: 16050

Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.8	89.6
98	52.2	37.8	56.6





#37

1,2-Dichloropropane

Concen: 2.608 ug/L

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

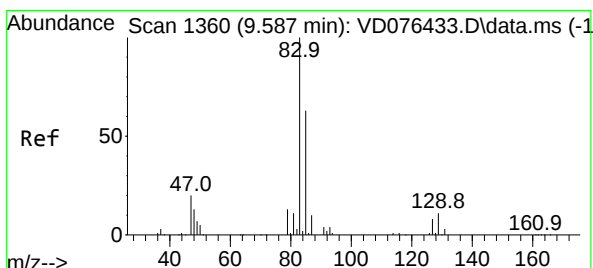
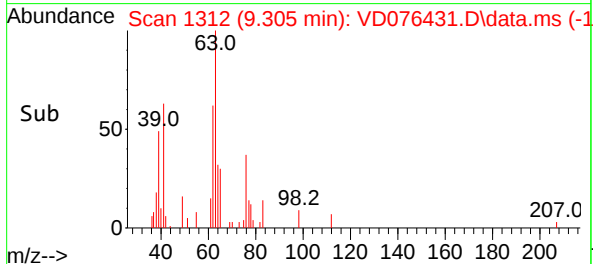
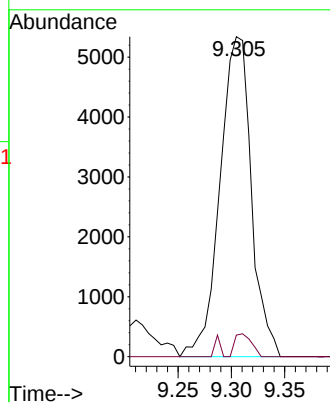
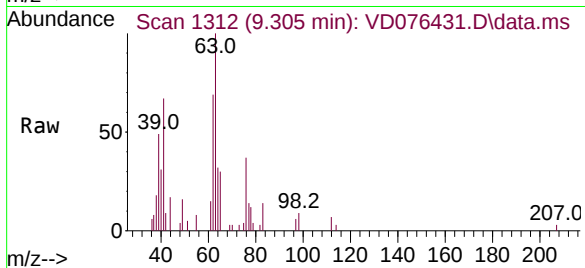
ClientSampleId :

Tgt Ion: 63 Resp: 10939

Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



#38

Bromodichloromethane

Concen: 2.568 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

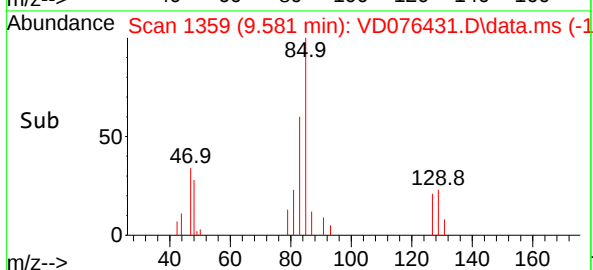
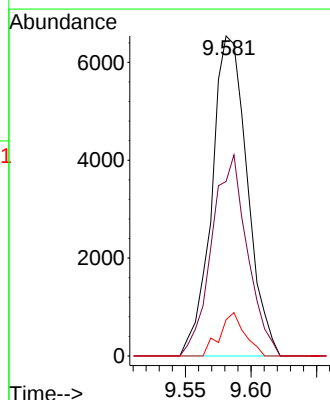
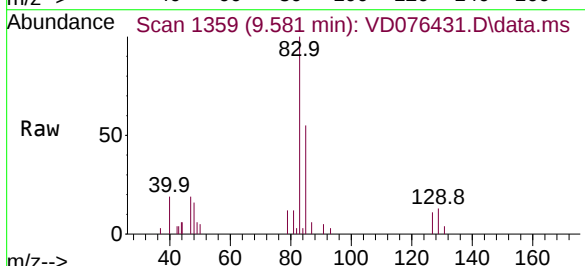
Tgt Ion: 83 Resp: 12286

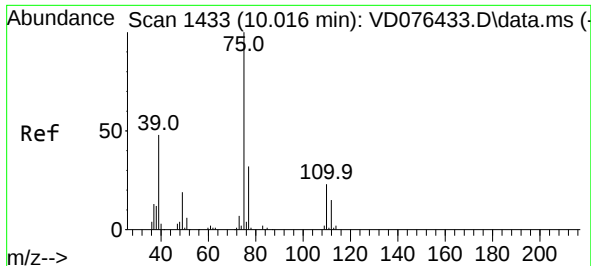
Ion Ratio Lower Upper

83 100

85 54.5 43.9 81.5

127 11.3 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 2.619 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

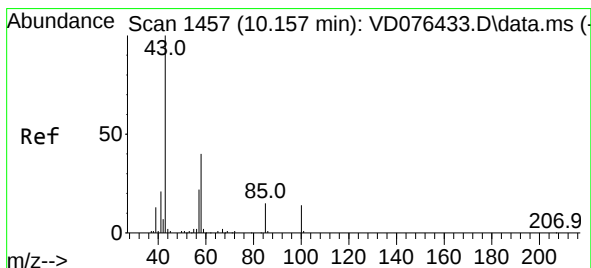
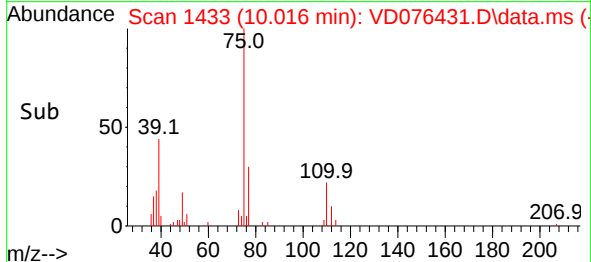
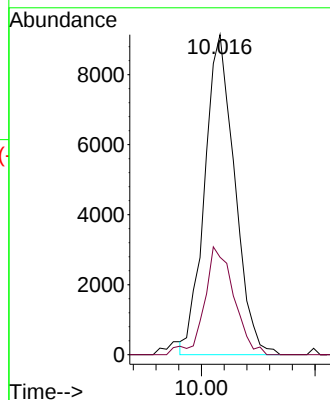
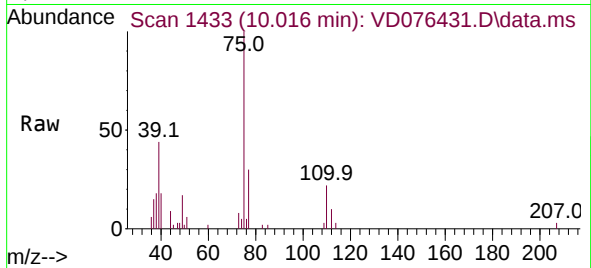
ClientSampleId :

Tgt Ion: 75 Resp: 16771

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 5.369 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

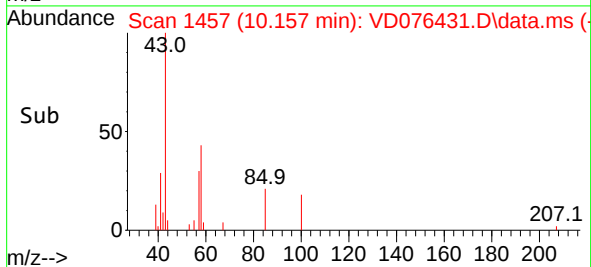
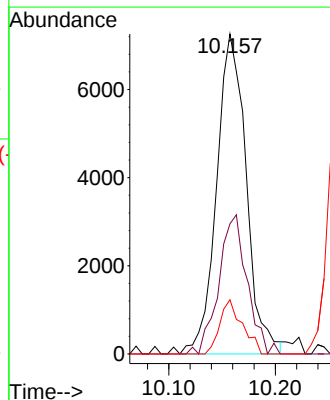
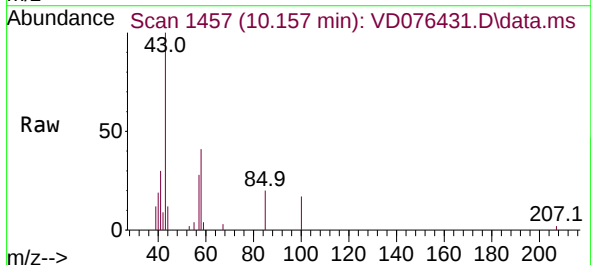
Tgt Ion: 43 Resp: 14010

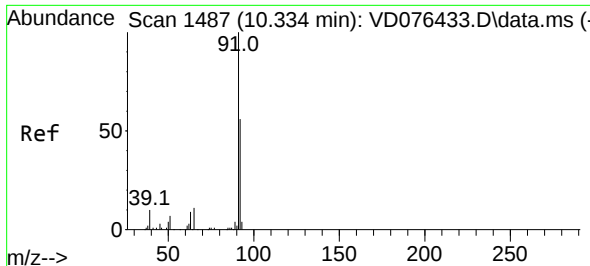
Ion Ratio Lower Upper

43 100

58 40.6 30.7 46.1

100 12.9 11.0 16.4





#42

Toluene

Concen: 2.629 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

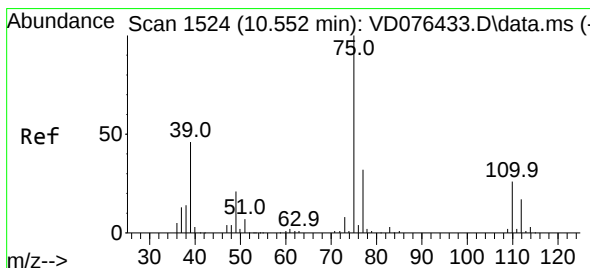
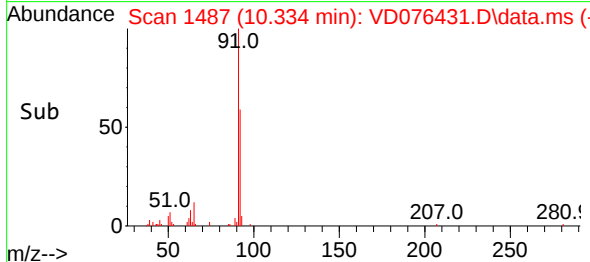
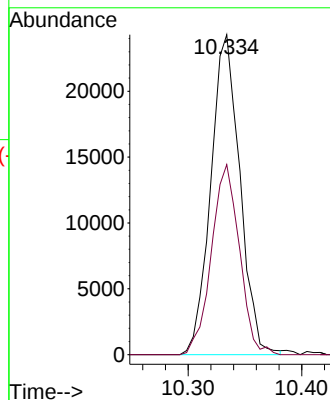
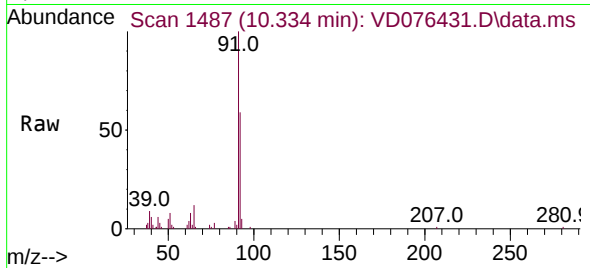
ClientSampleId :

Tgt Ion: 91 Resp: 43220

Ion Ratio Lower Upper

91 100

92 59.4 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 2.587 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD076431.D

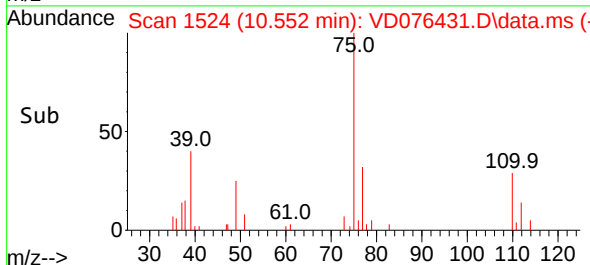
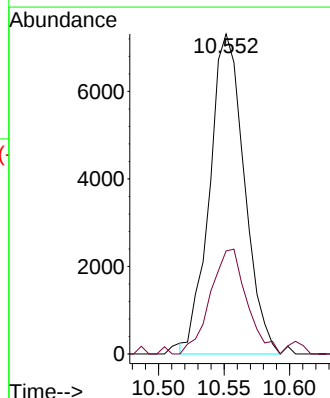
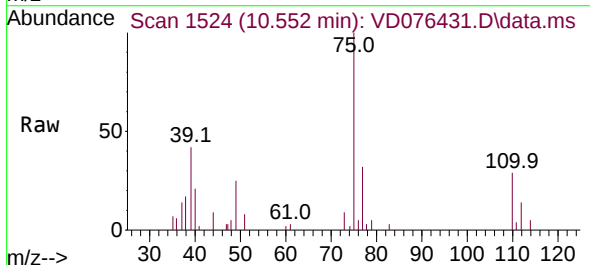
Acq: 15 Jun 2023 10:40

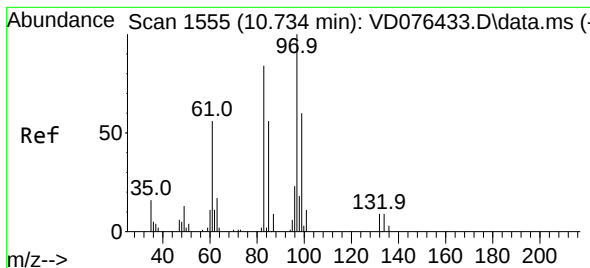
Tgt Ion: 75 Resp: 13468

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 2.644 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 7606

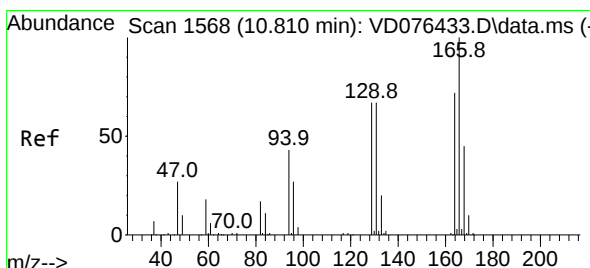
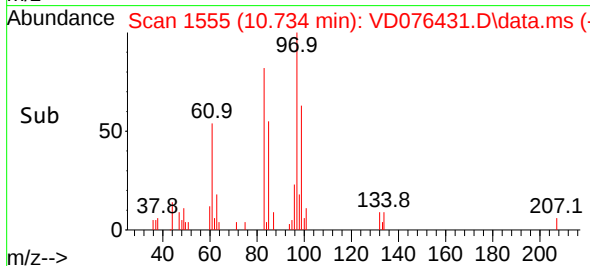
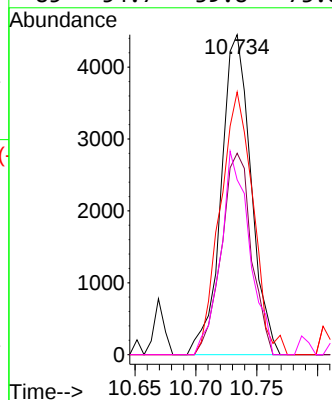
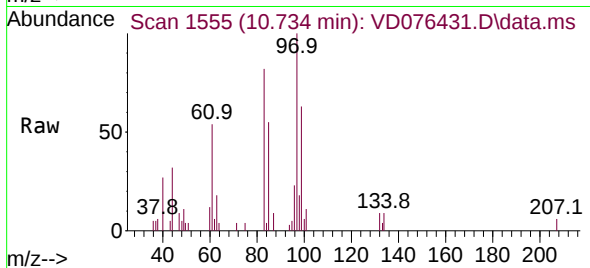
Ion Ratio Lower Upper

97 100

99 63.0 41.9 77.9

83 82.1 59.2 110.0

85 54.7 39.8 73.8



#46

Tetrachloroethene

Concen: 2.712 ug/L

RT: 10.816 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion:164 Resp: 8426

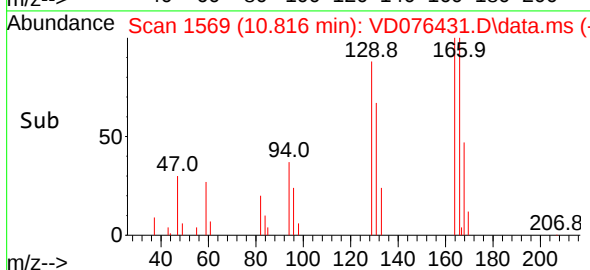
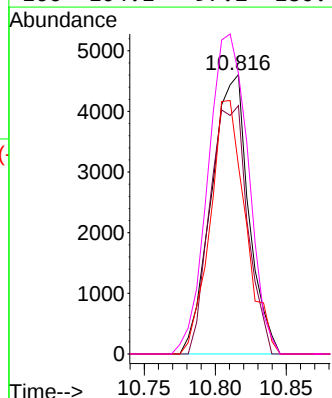
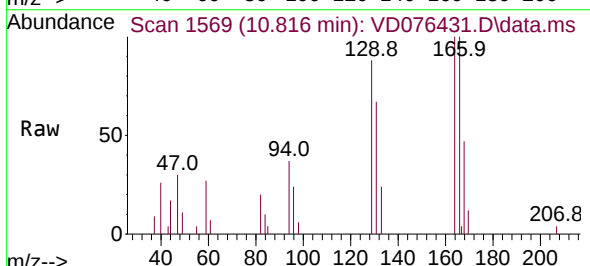
Ion Ratio Lower Upper

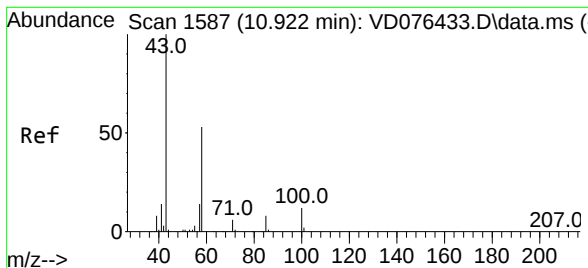
164 100

129 88.9 65.5 121.6

131 67.4 64.8 120.3

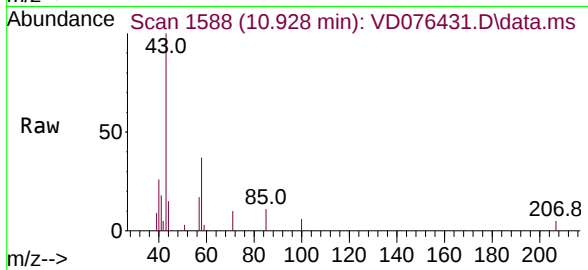
166 104.1 97.2 180.4



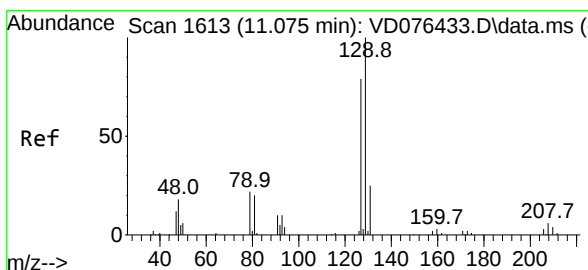
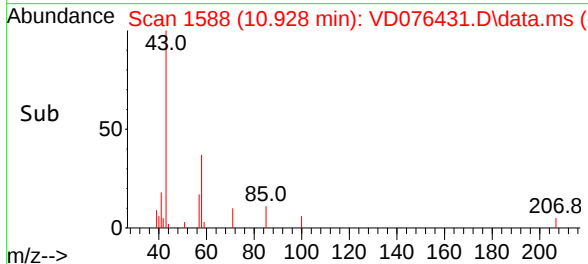
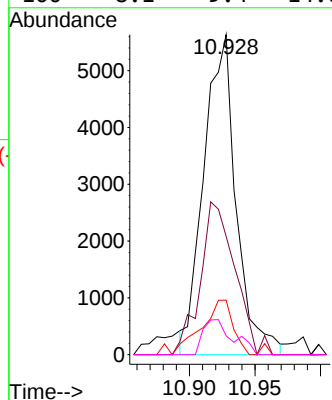


#48
2-Hexanone
Concen: 5.405 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Instrument :
MSVOA_D
ClientSampleId :

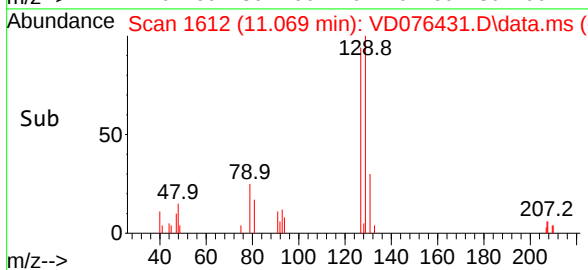
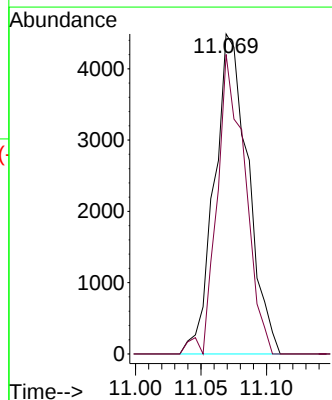
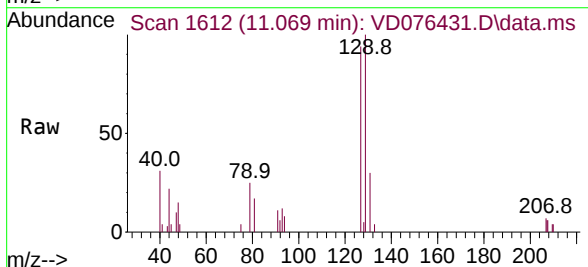


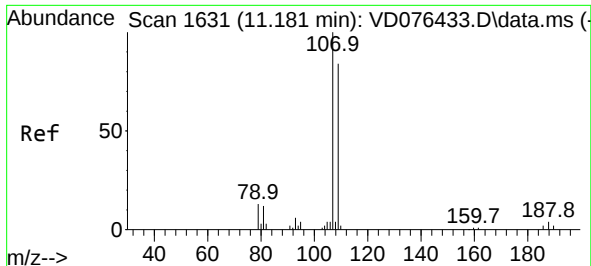
Tgt Ion: 43 Resp: 9659
Ion Ratio Lower Upper
43 100
58 50.2 42.9 64.3
57 16.6 13.7 20.5
100 8.1 9.4 14.0#



#49
Dibromochloromethane
Concen: 2.449 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion: 129 Resp: 8006
Ion Ratio Lower Upper
129 100
127 93.6 55.2 102.6

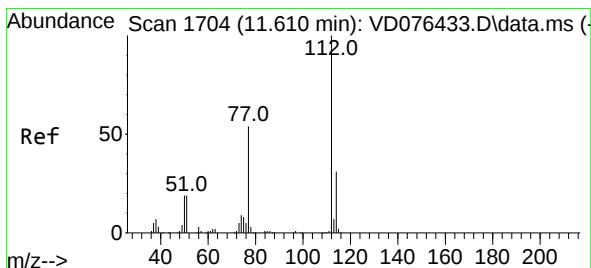
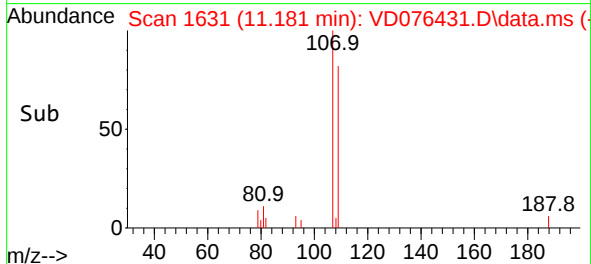
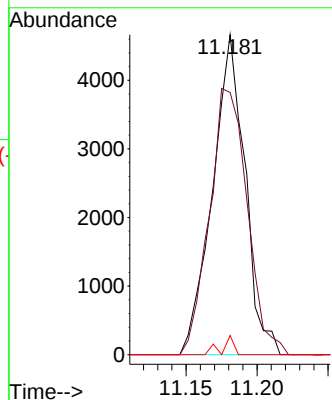
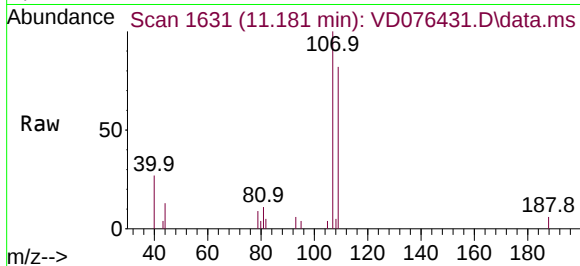




#50
1,2-Dibromoethane
Concen: 2.653 ug/L
RT: 11.181 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

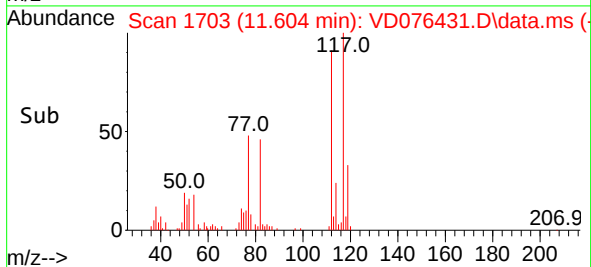
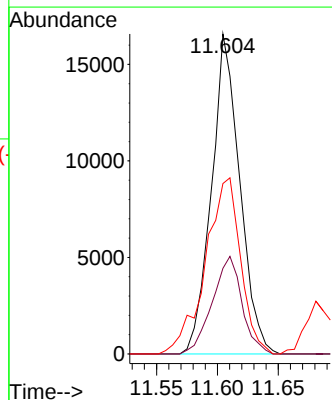
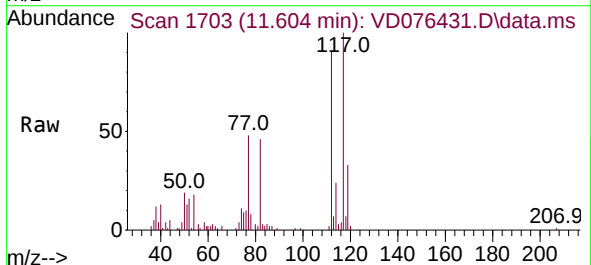
Instrument :
MSVOA_D
ClientSampleId :

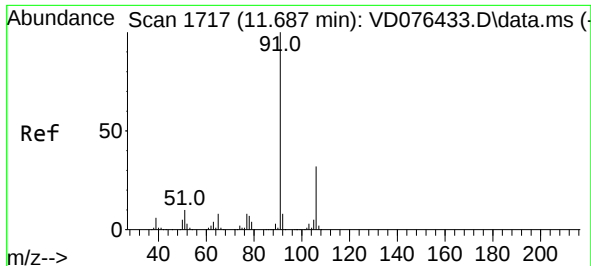
Tgt Ion:107 Resp: 7409
Ion Ratio Lower Upper
107 100
109 82.0 58.8 109.2
188 6.0 2.9 4.3#



#51
Chlorobenzene
Concen: 2.613 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:112 Resp: 26820
Ion Ratio Lower Upper
112 100
114 26.8 21.5 39.9
77 53.3 43.4 65.2

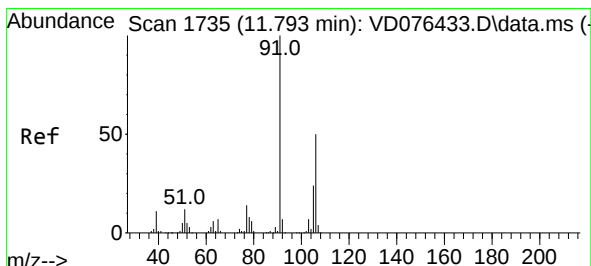
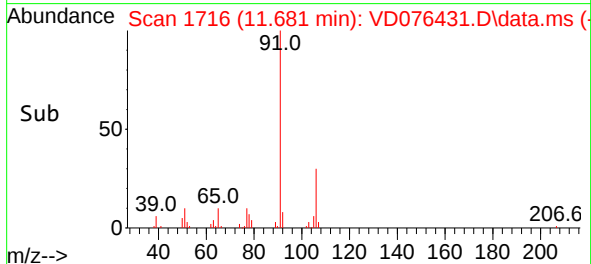
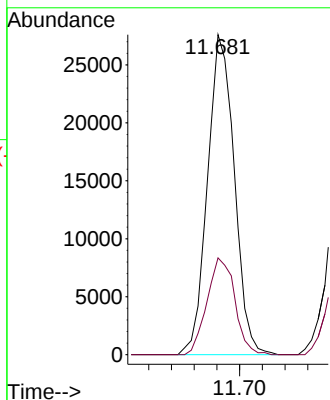
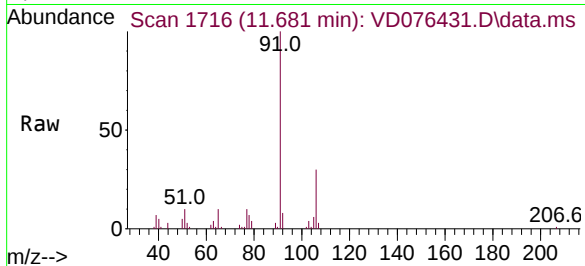




#52
Ethylbenzene
Concen: 2.552 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

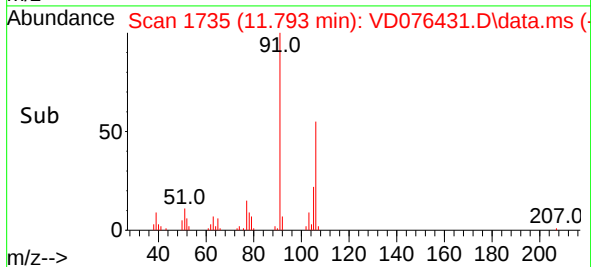
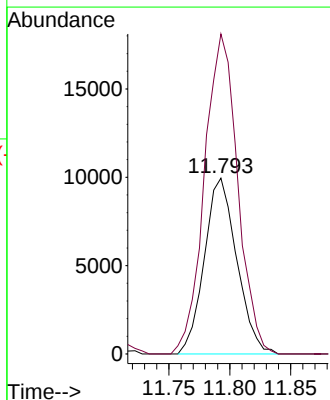
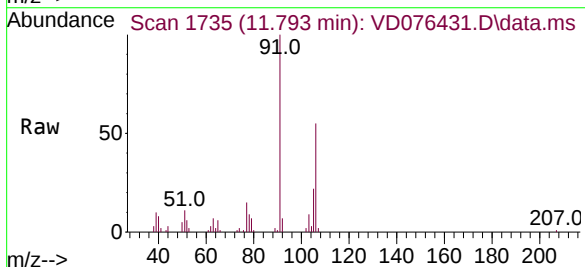
Instrument :
MSVOA_D
ClientSampleId :

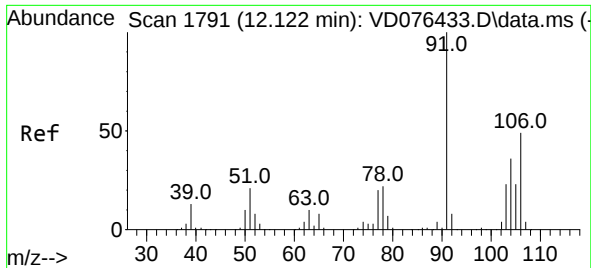
Tgt Ion: 91 Resp: 45219
Ion Ratio Lower Upper
91 100
106 30.3 22.4 41.6



#53
m,p-Xylene
Concen: 2.648 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:106 Resp: 18443
Ion Ratio Lower Upper
106 100
91 181.9 141.5 262.9

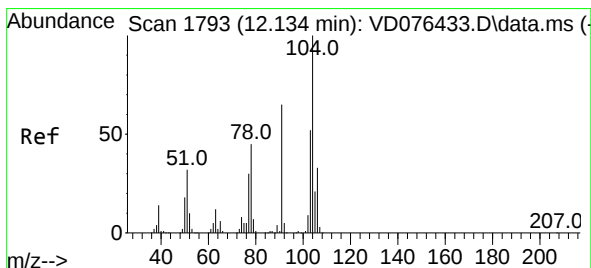
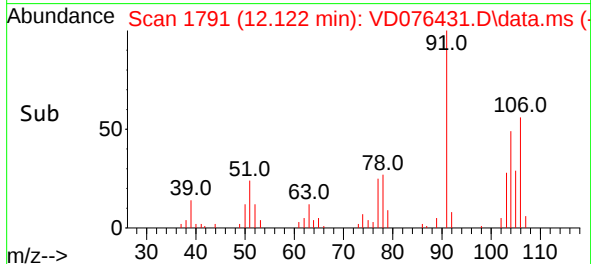
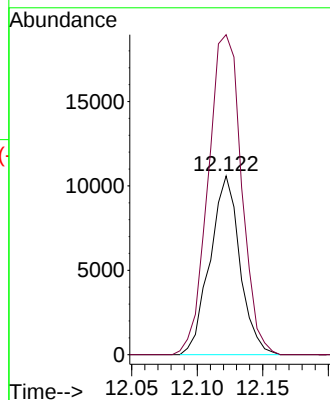
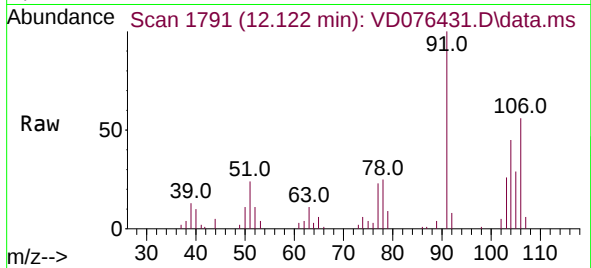




#54
o-Xylene
Concen: 2.536 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

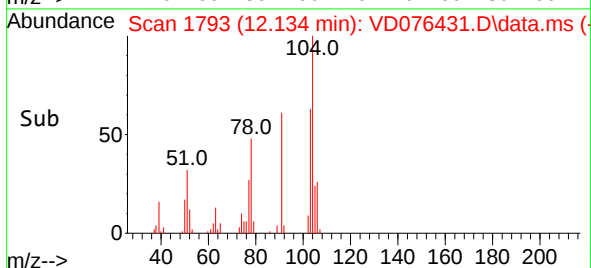
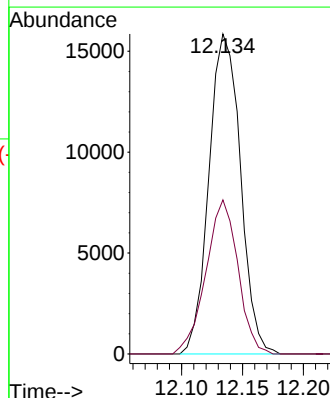
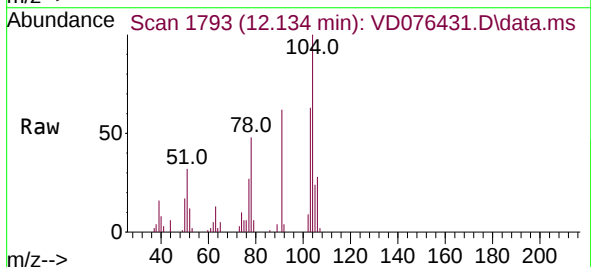
Instrument :
MSVOA_D
ClientSampleId :

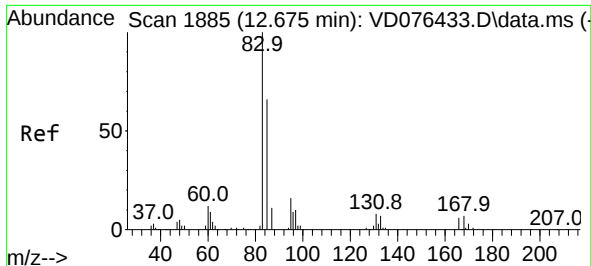
Tgt Ion:106 Resp: 16816
Ion Ratio Lower Upper
106 100
91 179.0 142.2 264.2



#55
Styrene
Concen: 2.493 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:104 Resp: 28556
Ion Ratio Lower Upper
104 100
78 48.1 31.3 58.1





#57

1,1,2-Tetrachloroethane

Concen: 2.619 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD076431.D

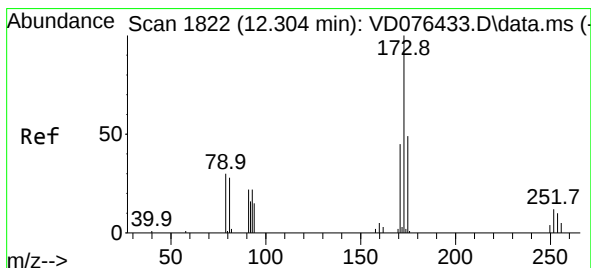
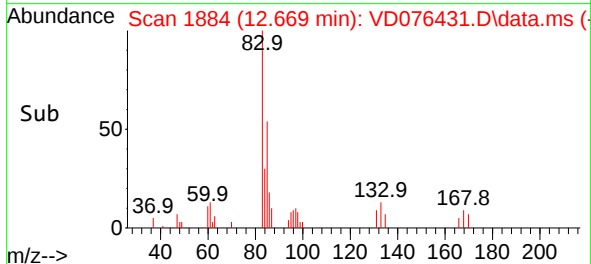
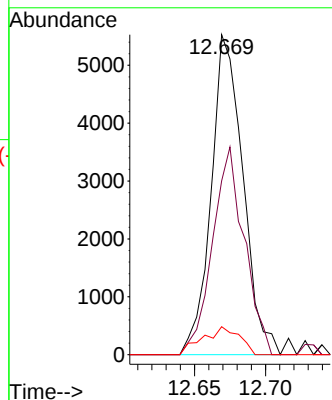
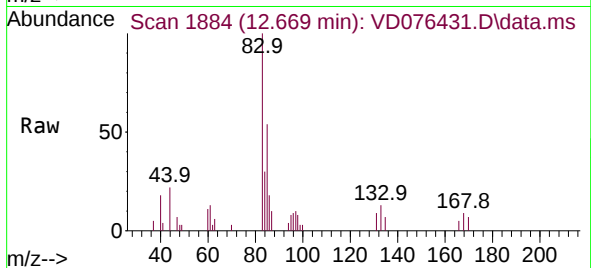
Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	8610
Ion Ratio	Lower	Upper	
83	100		
85	54.3	46.3	86.1
131	8.8	7.0	10.4



#59

Bromoform

Concen: 2.591 ug/L

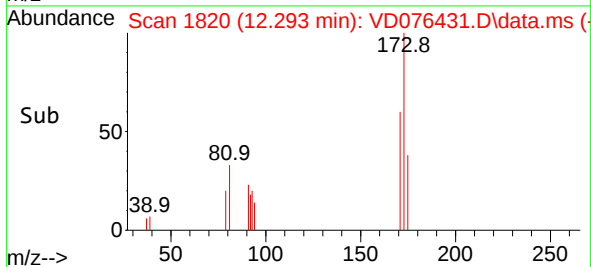
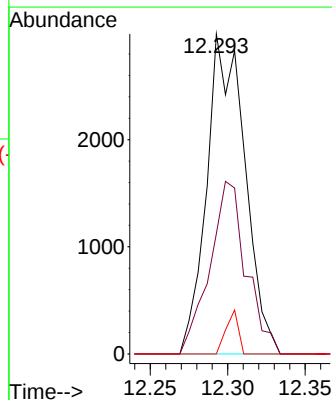
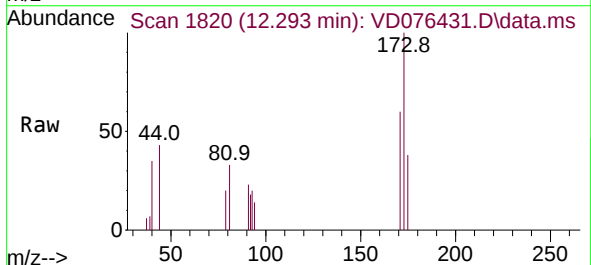
RT: 12.293 min Scan# 1820

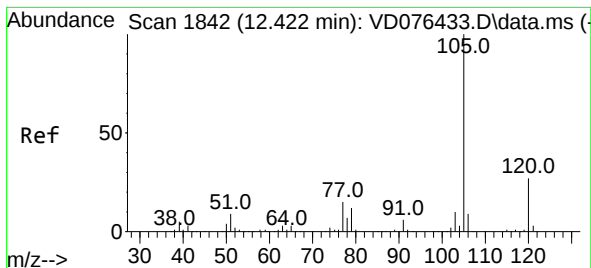
Delta R.T. -0.012 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion:	173	Resp:	5089
Ion Ratio	Lower	Upper	
173	100		
175	51.8	39.0	58.4
254	4.4	5.3	7.9





#60

Isopropylbenzene

Concen: 2.512 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD076431.D

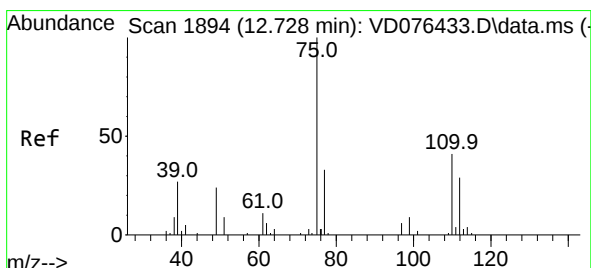
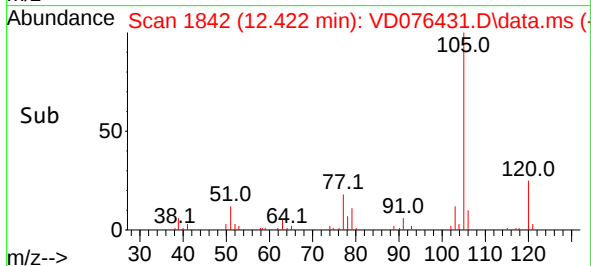
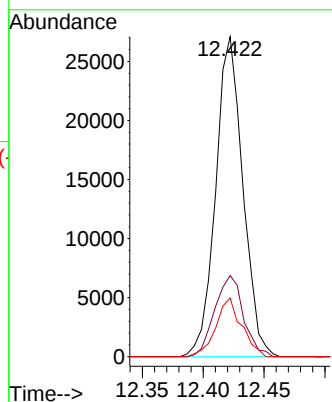
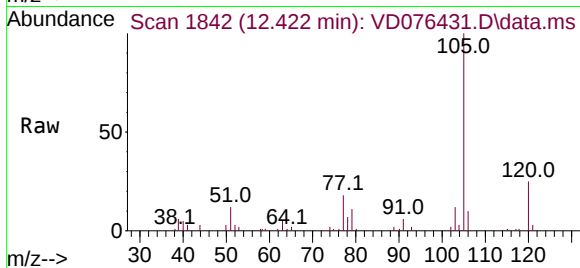
Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	105	Resp:	42145
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.3	31.9
77	17.4	12.2	18.4



#61

1,2,3-Trichloropropane

Concen: 2.675 ug/L

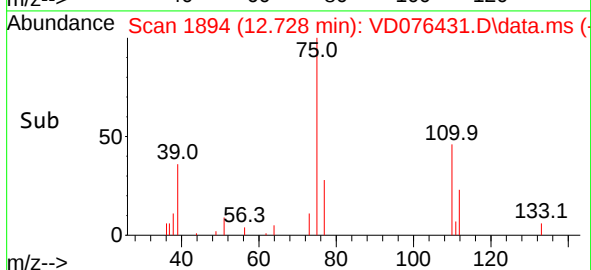
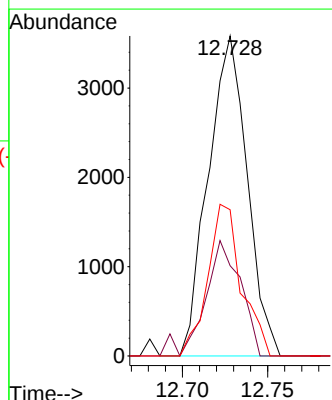
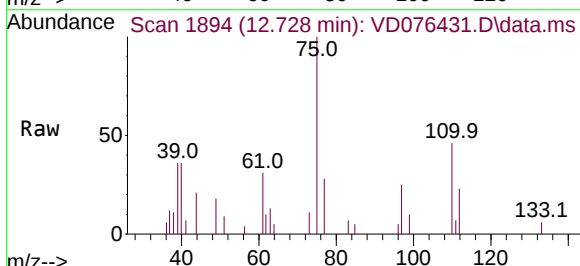
RT: 12.728 min Scan# 1894

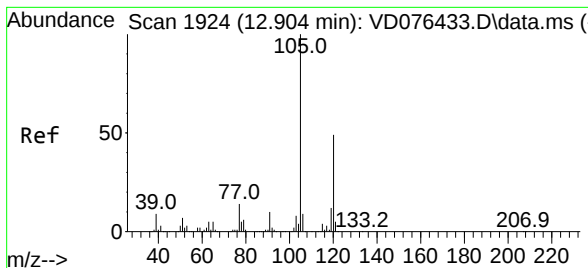
Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion:	75	Resp:	5696
Ion Ratio	Lower	Upper	
75	100		
77	31.5	27.2	40.8
110	41.0	31.8	47.6





#62

1,3,5-Trimethylbenzene

Concen: 2.563 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

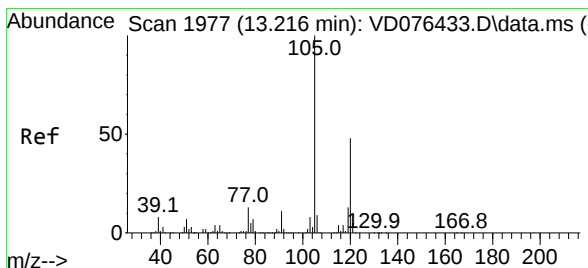
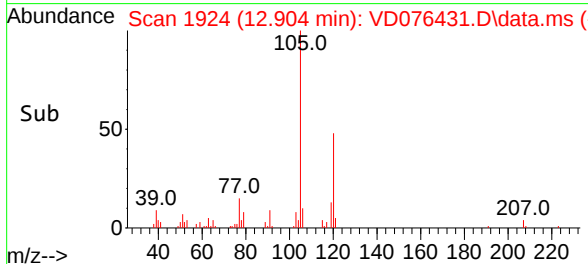
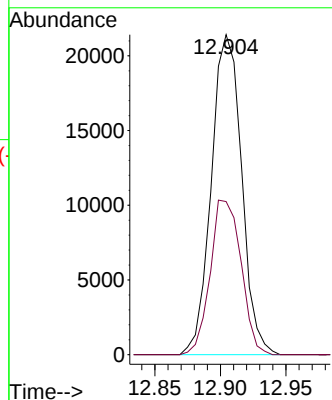
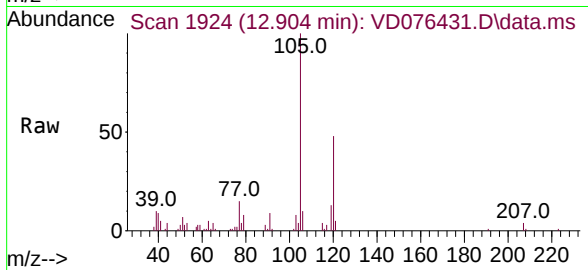
ClientSampleId :

Tgt Ion:105 Resp: 34410

Ion Ratio Lower Upper

105 100

120 49.1 39.8 59.6



#63

1,2,4-Trimethylbenzene

Concen: 2.540 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD076431.D

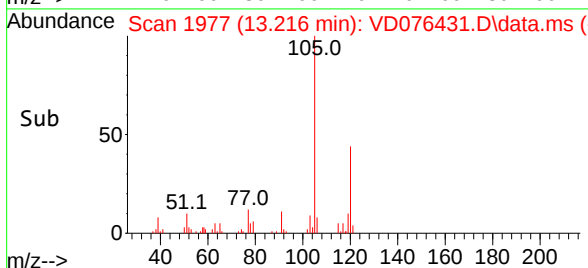
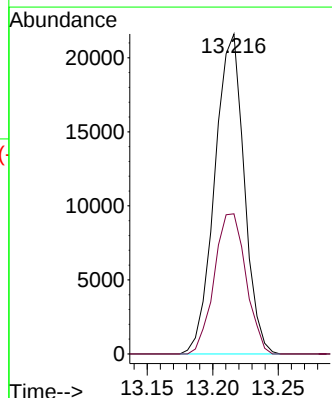
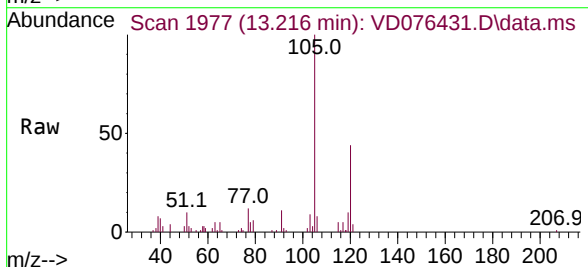
Acq: 15 Jun 2023 10:40

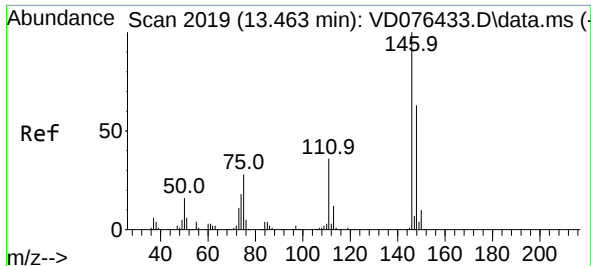
Tgt Ion:105 Resp: 33652

Ion Ratio Lower Upper

105 100

120 47.2 37.5 56.3

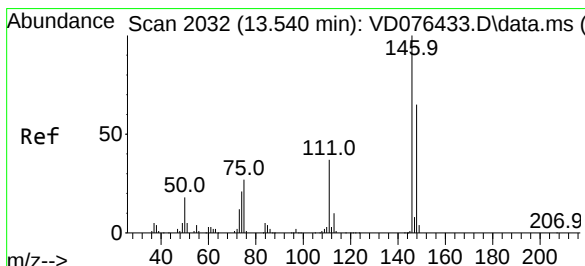
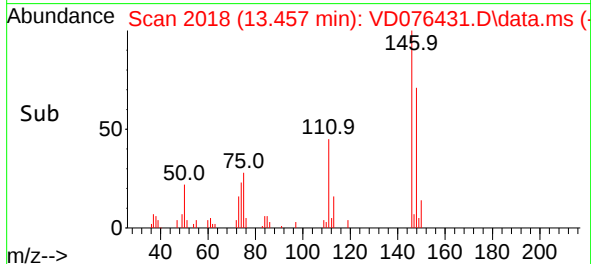
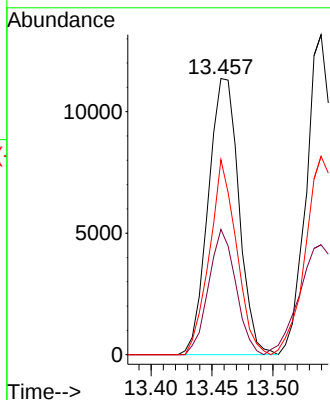
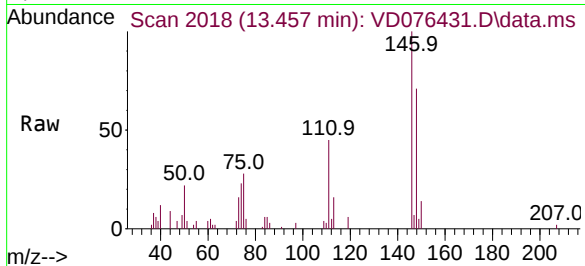




#64
1,3-Dichlorobenzene
Concen: 2.667 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

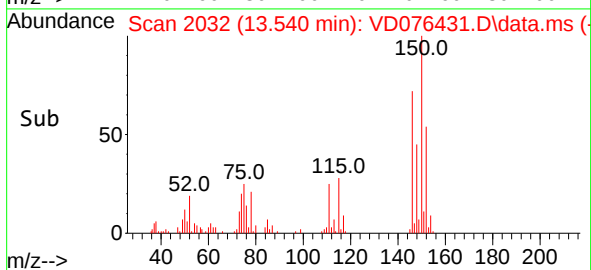
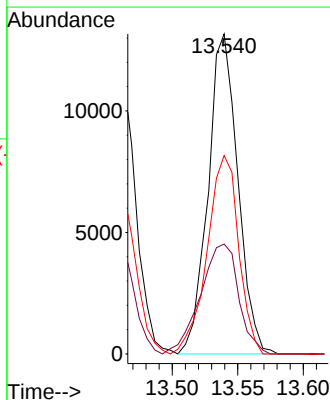
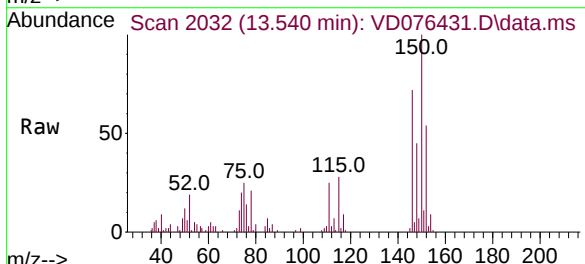
Instrument :
MSVOA_D
ClientSampleId :

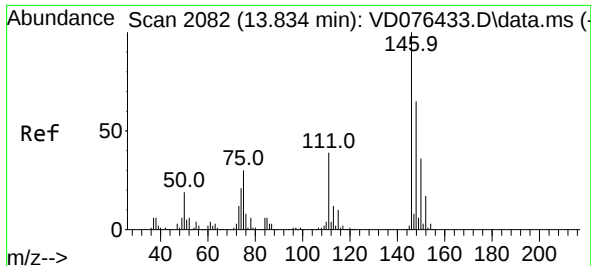
Tgt Ion:146 Resp: 19909
Ion Ratio Lower Upper
146 100
111 45.4 25.6 47.4
148 70.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 2.765 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076431.D
Acq: 15 Jun 2023 10:40

Tgt Ion:146 Resp: 20809
Ion Ratio Lower Upper
146 100
111 34.3 25.7 47.7
148 62.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 2.615 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

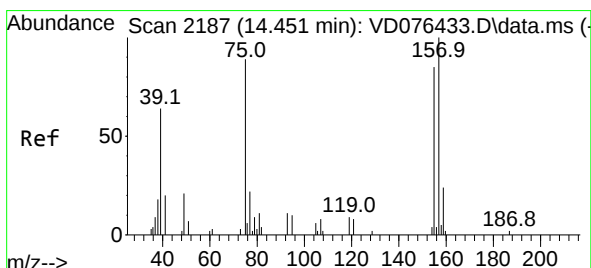
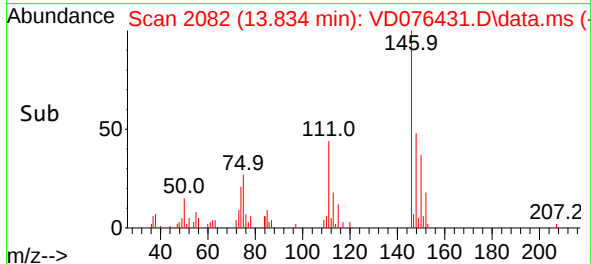
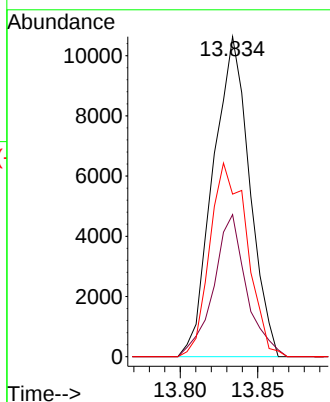
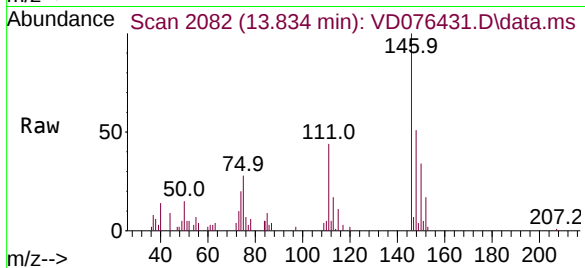
Tgt Ion:146 Resp: 17387

Ion Ratio Lower Upper

146 100

111 44.4 31.3 46.9

148 50.8 51.7 77.5#



#68

1,2-Dibromo-3-chloropropane

Concen: 2.797 ug/L

RT: 14.457 min Scan# 2188

Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

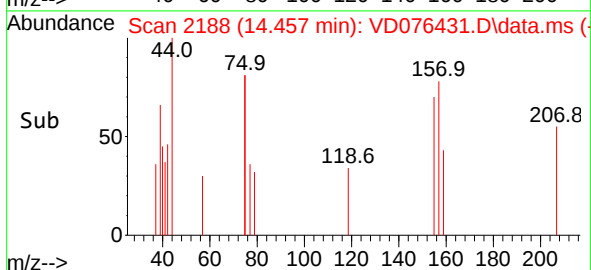
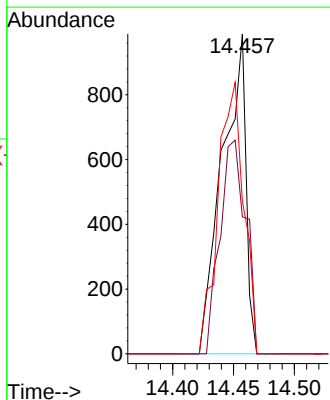
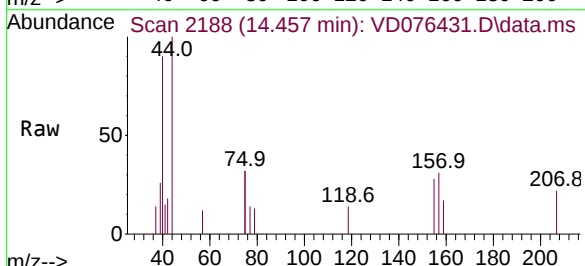
Tgt Ion: 75 Resp: 1326

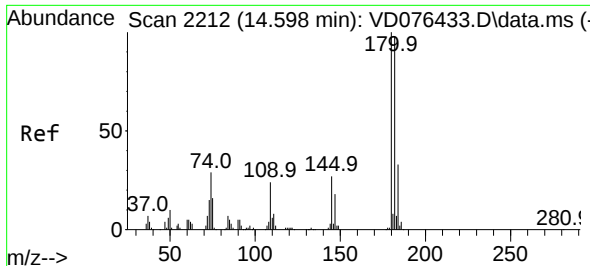
Ion Ratio Lower Upper

75 100

155 42.8 76.2 114.4#

157 47.7 89.4 134.2#

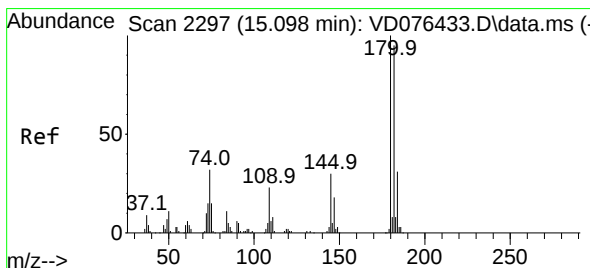
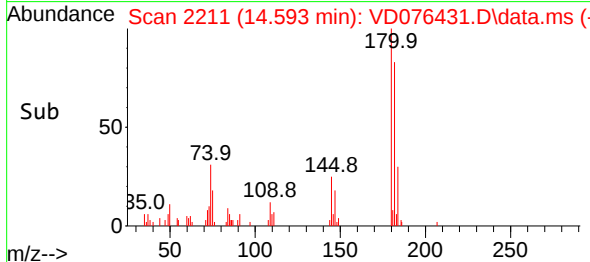
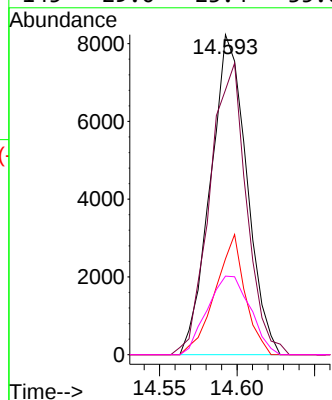
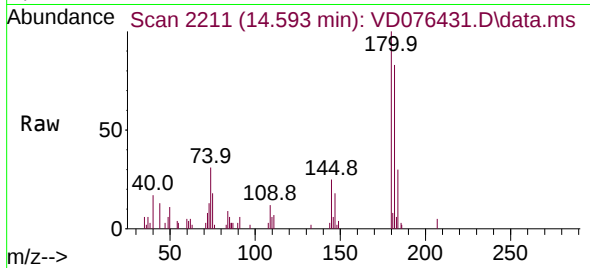




#69
 1,3,5-Trichlorobenzene
 Concen: 2.681 ug/L
 RT: 14.593 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

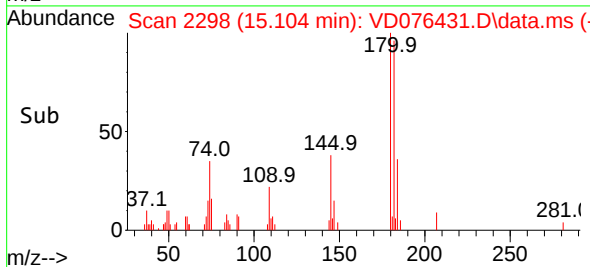
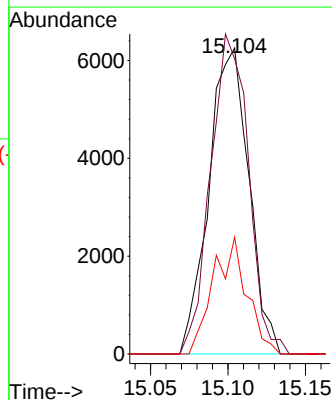
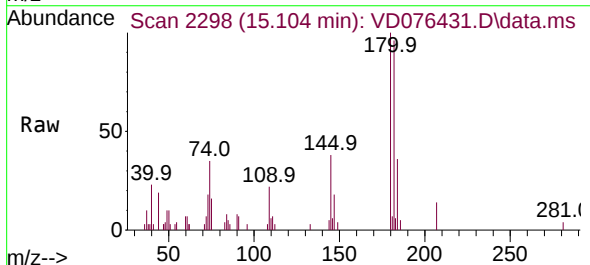
Instrument :
 MSVOA_D
 ClientSampleId :

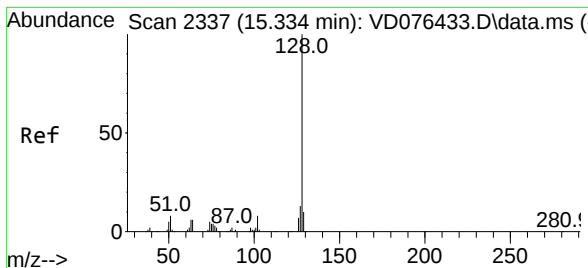
Tgt Ion:180	Resp:	13348
Ion Ratio	Lower	Upper
180	100	
182	92.2	77.1 115.7
184	31.1	25.0 37.4
145	29.0	23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 2.538 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.006 min
 Lab File: VD076431.D
 Acq: 15 Jun 2023 10:40

Tgt Ion:180	Resp:	11242
Ion Ratio	Lower	Upper
180	100	
182	98.9	76.9 115.3
145	32.0	23.5 35.3





#71

Naphthalene

Concen: 2.596 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Instrument :

MSVOA_D

ClientSampleId :

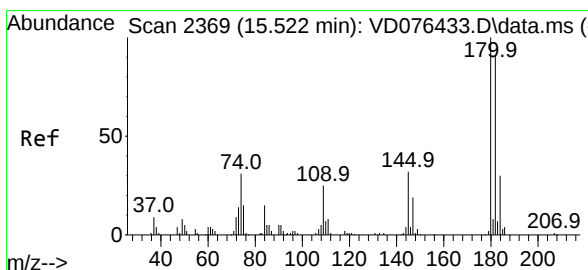
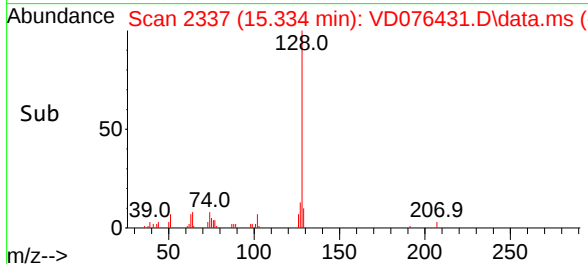
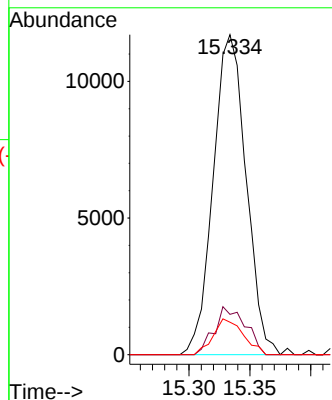
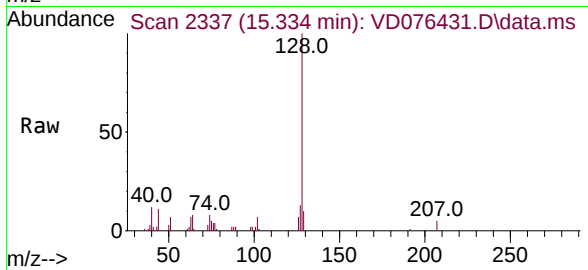
Tgt Ion:128 Resp: 22016

Ion Ratio Lower Upper

128 100

127 14.2 10.8 16.2

129 10.2 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 2.485 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD076431.D

Acq: 15 Jun 2023 10:40

Tgt Ion:180 Resp: 9560

Ion Ratio Lower Upper

180 100

182 100.6 74.3 111.5

145 32.4 25.0 37.6

