

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
 Data File : VD078993.D
 Acq On : 23 May 2024 09:33
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 24 02:07:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	173671	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	175840	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	93682	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	114034	26.785	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.120%
7) Chloroethane-d5	2.799	69	113280	24.856	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.440%
11) 1,1-Dichloroethene-d2	3.917	65	22341	26.902	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.600%
21) 2-Butanone-d5	6.981	46	20144	33.428	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.860%
24) Chloroform-d	7.569	84	113003	21.857	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.440%
26) 1,2-Dichloroethane-d4	8.228	65	53397	21.748	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	8.199	84	227687	25.377	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.520%
36) 1,2-Dichloropropane-d6	9.210	67	63346	23.171	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.680%
41) Toluene-d8	10.269	98	216393	26.165	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.680%
43) trans-1,3-Dichloroprop...	10.528	79	27634	21.944	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.760%
47) 2-Hexanone-d5	10.875	63	19292	35.211	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.420%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	59429	19.110	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.440%
66) 1,2-Dichlorobenzene-d4	13.816	152	72083	22.670	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	65166	18.754	ug/L	99
3) Chloromethane	2.152	50	82250	19.291	ug/L	94
5) Vinyl chloride	2.281	62	135956	19.489	ug/L	95
6) Bromomethane	2.693	94	88043	17.648	ug/L	94
8) Chloroethane	2.840	64	107296	19.915	ug/L	94
9) Trichlorofluoromethane	3.175	101	116118	21.343	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	45977	13.331	ug/L #	84
12) 1,1-Dichloroethene	3.940	96	60867	20.269	ug/L	95
13) Acetone	4.022	43	27343	37.562	ug/L	93
14) Carbon disulfide	4.269	76	150696	17.318	ug/L	99
15) Methyl Acetate	4.558	43	23844	20.160	ug/L	96
16) Methylene chloride	4.799	84	76185	18.519	ug/L	97
17) trans-1,2-Dichloroethene	5.311	96	64710	21.164	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	143837	22.080	ug/L #	93
19) 1,1-Dichloroethane	6.111	63	114160	22.229	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	76302	21.878	ug/L	97
22) 2-Butanone	7.087	43	35332	42.216	ug/L	96
23) Bromochloromethane	7.428	128	36263	20.809	ug/L #	83
25) Chloroform	7.599	83	133341	21.601	ug/L	93

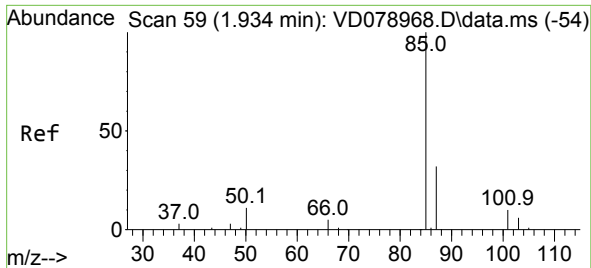
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
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 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	78133	21.854	ug/L	96
29) Cyclohexane	7.875	56	76475	22.629	ug/L	94
30) 1,1,1-Trichloroethane	7.787	97	114463	23.528	ug/L	98
31) Carbon tetrachloride	7.993	117	104148	23.250	ug/L	99
33) Benzene	8.252	78	278758	23.127	ug/L	100
34) Trichloroethene	9.028	95	69611	22.417	ug/L	90
35) Methylcyclohexane	9.269	83	109904	23.542	ug/L	99
37) 1,2-Dichloropropane	9.304	63	71292	23.339	ug/L	100
38) Bromodichloromethane	9.581	83	99510	23.038	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	110997	23.164	ug/L	90
40) 4-Methyl-2-pentanone	10.157	43	72823	47.198	ug/L	97
42) Toluene	10.334	91	317482	23.958	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	99124	23.399	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	64486	23.087	ug/L	97
46) Tetrachloroethene	10.804	164	58950	22.065	ug/L	98
48) 2-Hexanone	10.922	43	53623	44.832	ug/L	99
49) Dibromochloromethane	11.075	129	74896	22.055	ug/L	99
50) 1,2-Dibromoethane	11.175	107	57466	21.780	ug/L	99
51) Chlorobenzene	11.604	112	213092	22.761	ug/L	98
52) Ethylbenzene	11.681	91	342073	23.918	ug/L	98
53) m,p-Xylene	11.793	106	135986	23.767	ug/L	99
54) o-Xylene	12.122	106	130231	23.369	ug/L	97
55) Styrene	12.134	104	244654	24.844	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	78572	23.193	ug/L	96
59) Bromoform	12.298	173	48104	22.688	ug/L	98
60) Isopropylbenzene	12.422	105	361224	26.081	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	50562	23.546	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	272915	26.658	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	269628	25.919	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	168606	25.066	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	176319	24.313	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	154949	24.339	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	10353	23.144	ug/L	86
69) 1,3,5-Trichlorobenzene	14.592	180	107491	24.605	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	88941	24.049	ug/L	97
71) Naphthalene	15.328	128	176953	23.451	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	83643	24.197	ug/L	98

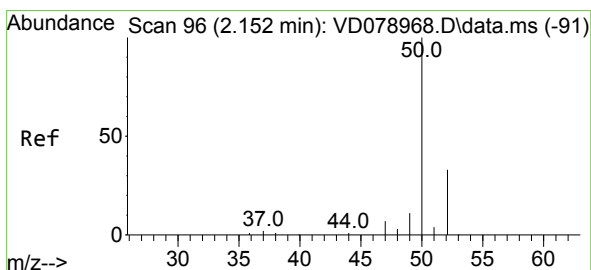
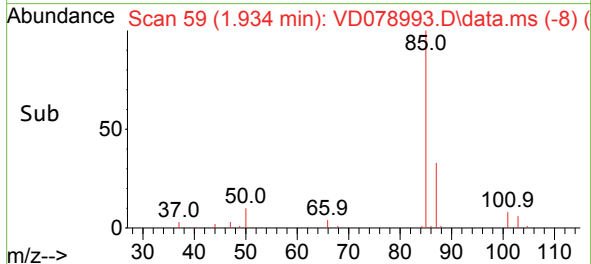
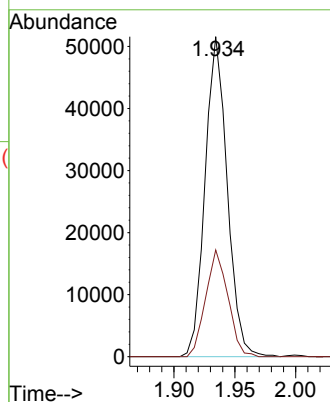
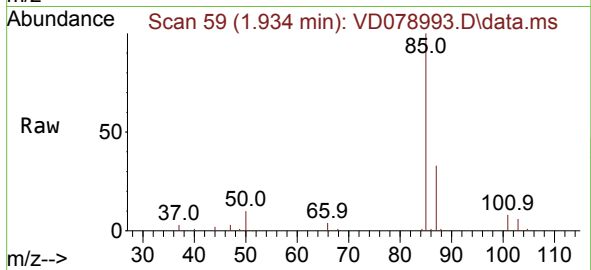
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 18.754 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

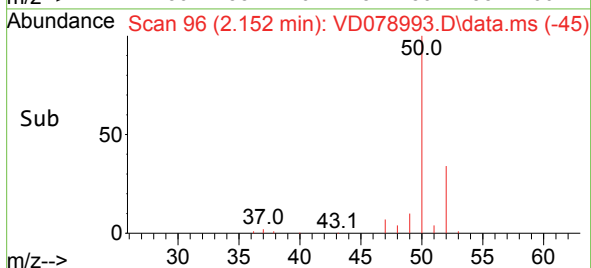
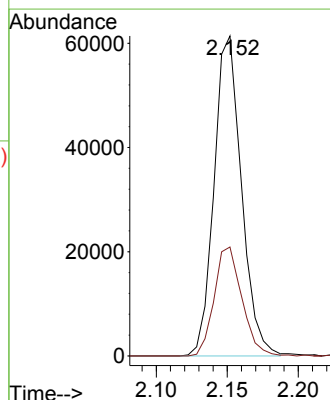
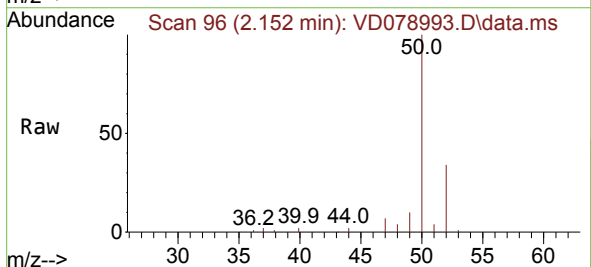
Instrument :
 MSVOA_D
 ClientSampleId :

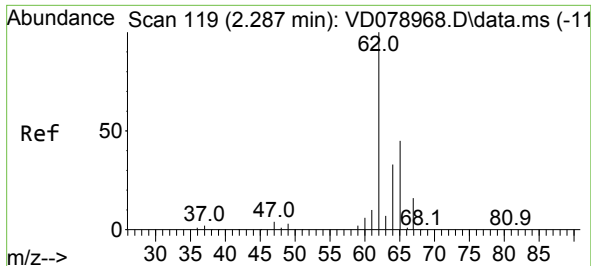
Tgt Ion: 85 Resp: 65166
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.3 39.5



#3
 Chloromethane
 Concen: 19.291 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

Tgt Ion: 50 Resp: 82250
 Ion Ratio Lower Upper
 50 100
 52 34.1 26.5 49.3

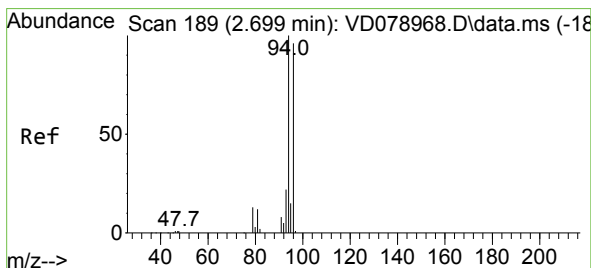
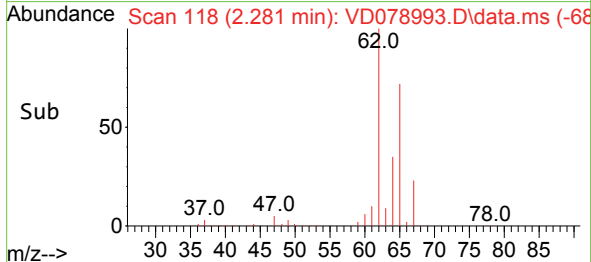
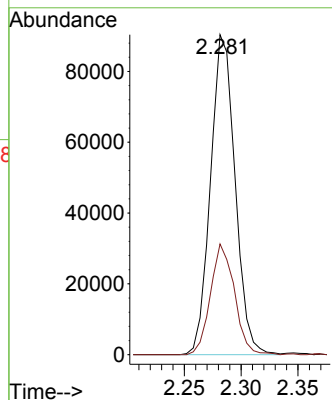
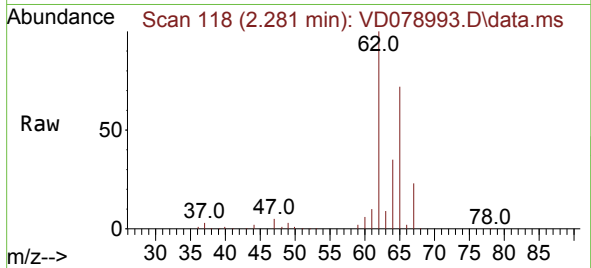




#5
 Vinyl chloride
 Concen: 19.489 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

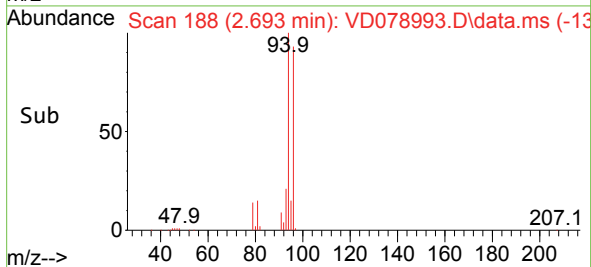
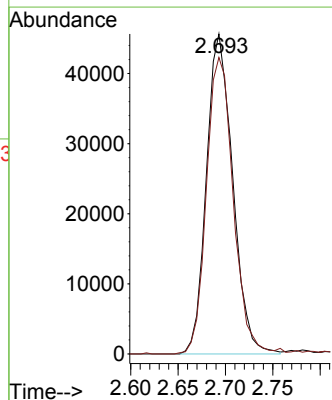
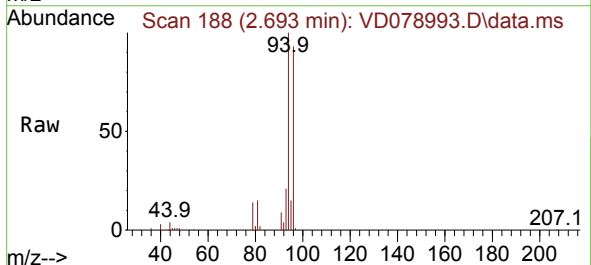
Instrument :
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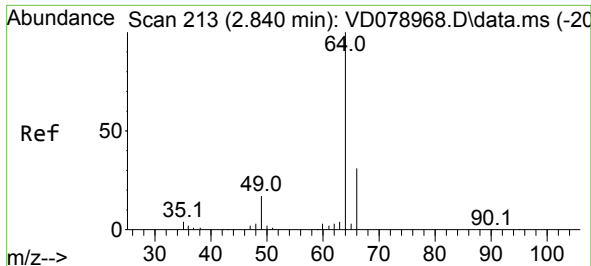
Tgt Ion: 62 Resp: 135956
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.3 41.3



#6
 Bromomethane
 Concen: 17.648 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

Tgt Ion: 94 Resp: 88043
 Ion Ratio Lower Upper
 94 100
 96 92.7 69.0 128.1

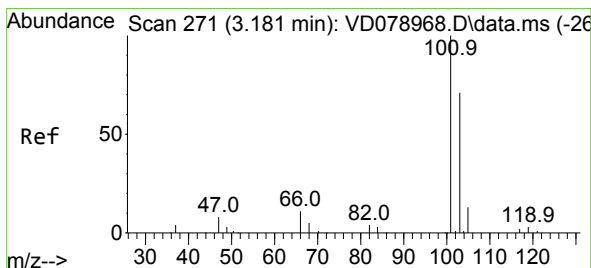
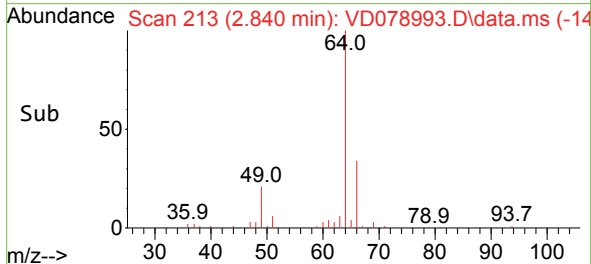
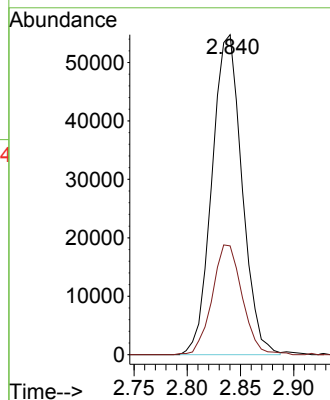
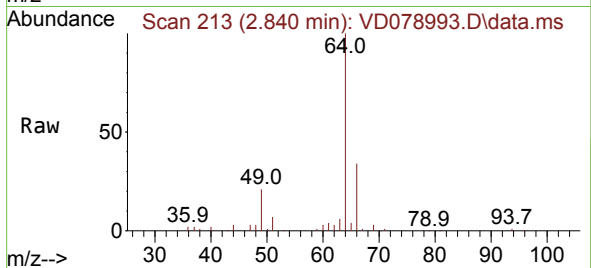




#8
Chloroethane
Concen: 19.915 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

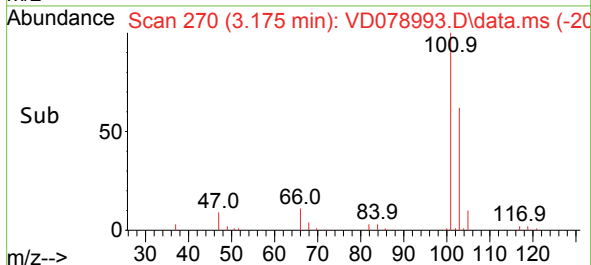
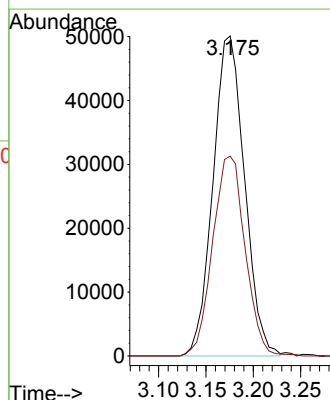
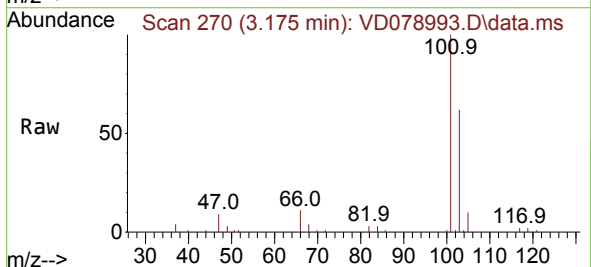
Instrument :
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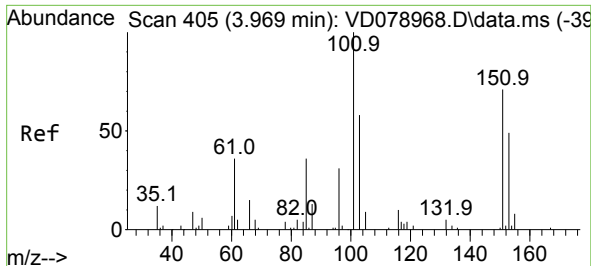
Tgt Ion: 64 Resp: 107296
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 21.343 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:101 Resp: 116118
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9

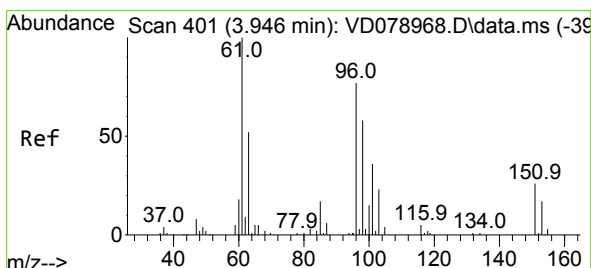
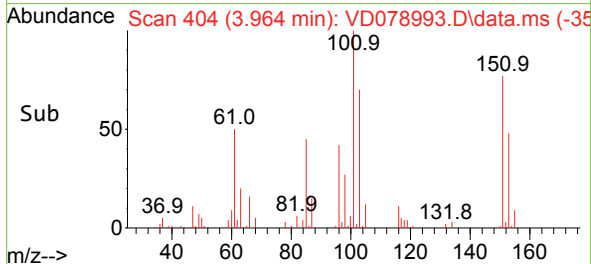
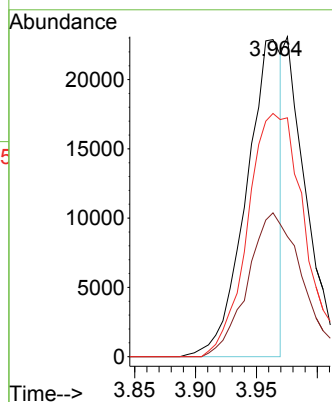
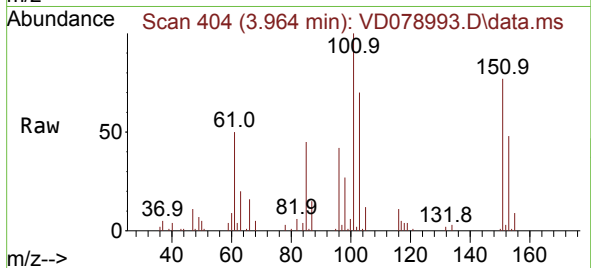




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 13.331 ug/L
RT: 3.964 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

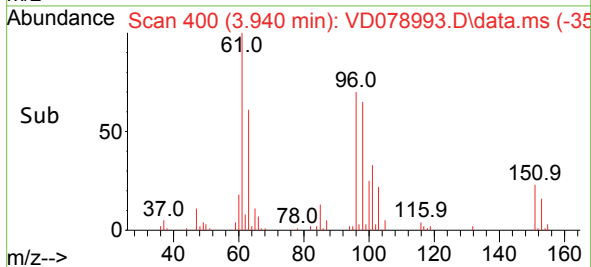
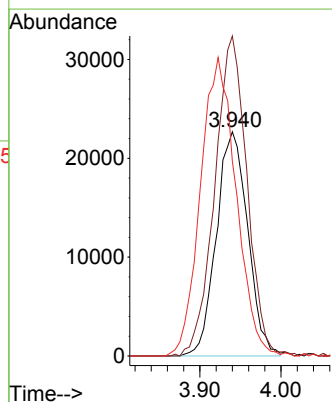
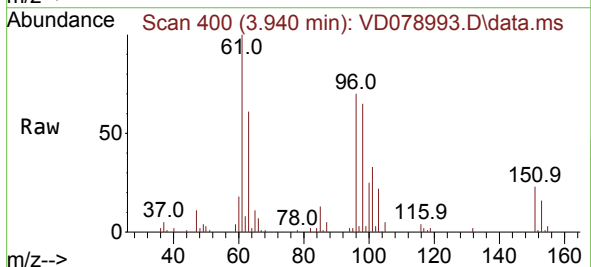
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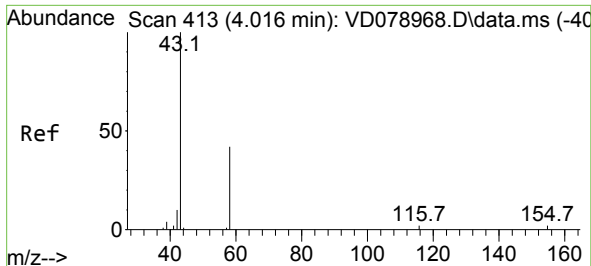
Tgt Ion:101 Resp: 45977
Ion Ratio Lower Upper
101 100
85 69.5 36.2 54.2#
151 75.1 62.9 94.3



#12
1,1-Dichloroethene
Concen: 20.269 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion: 96 Resp: 60867
Ion Ratio Lower Upper
96 100
61 142.8 98.6 183.0
63 86.9 68.3 126.8





#13

Acetone

Concen: 37.562 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

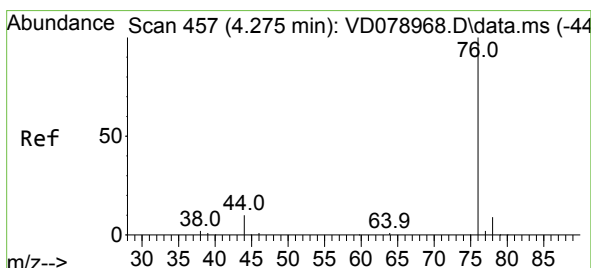
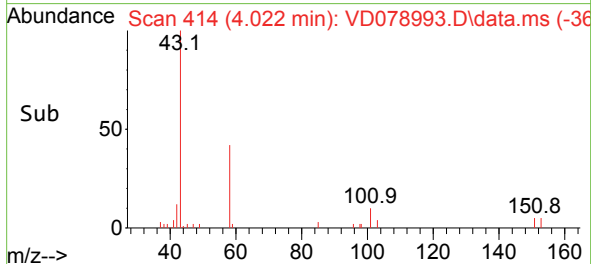
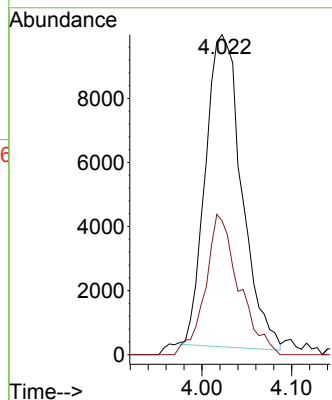
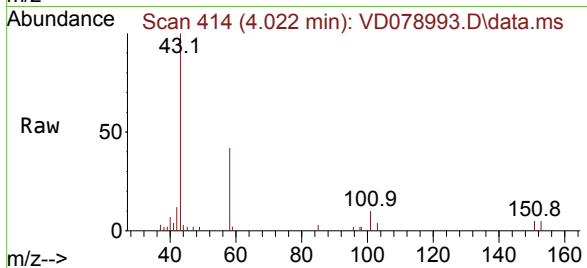
ClientSampleId :

Tgt Ion: 43 Resp: 27343

Ion Ratio Lower Upper

43 100

58 41.6 0.0 75.0



#14

Carbon disulfide

Concen: 17.318 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD078993.D

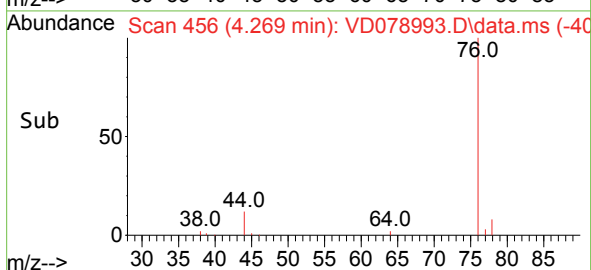
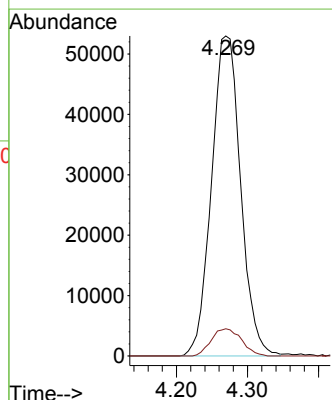
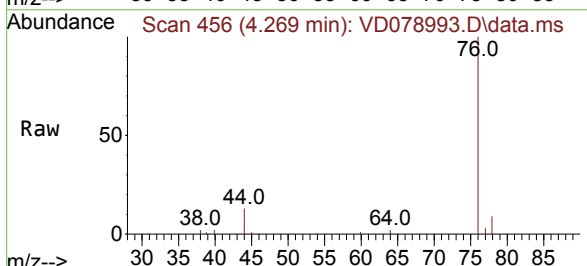
Acq: 23 May 2024 09:33

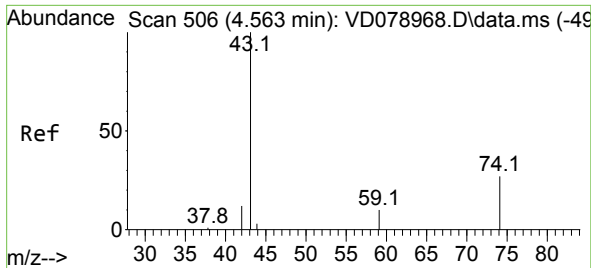
Tgt Ion: 76 Resp: 150696

Ion Ratio Lower Upper

76 100

78 8.5 6.5 9.7

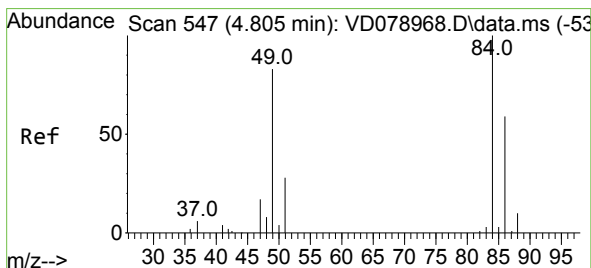
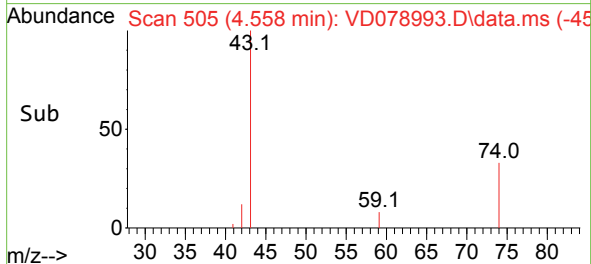
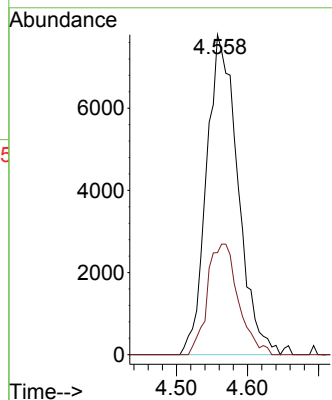
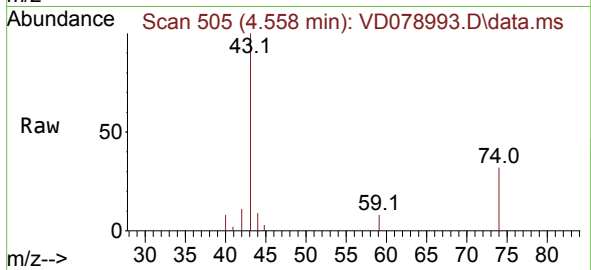




#15
Methyl Acetate
Concen: 20.160 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

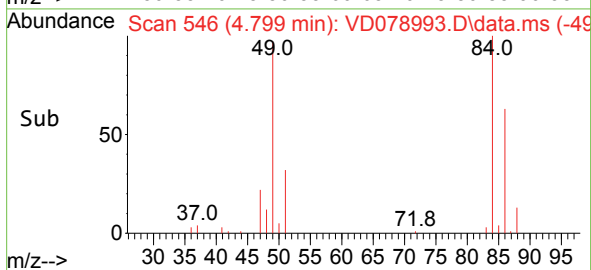
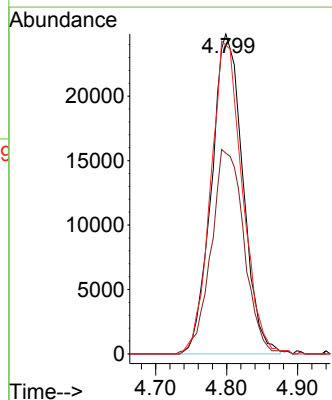
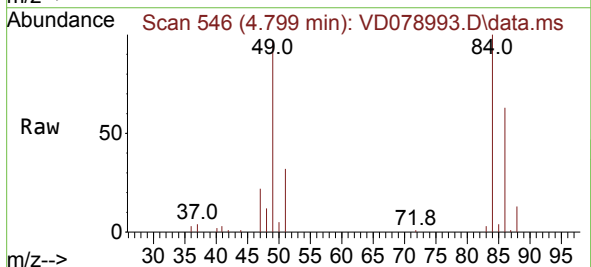
Instrument :
MSVOA_D
ClientSampleId :

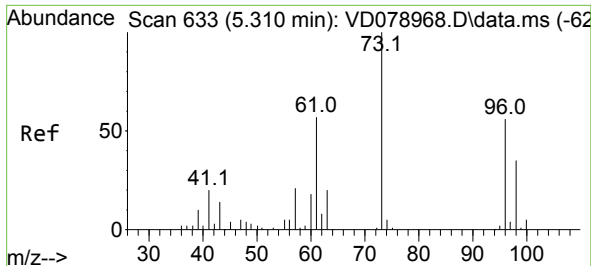
Tgt Ion: 43 Resp: 23844
Ion Ratio Lower Upper
43 100
74 33.5 25.1 37.7



#16
Methylene chloride
Concen: 18.519 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion: 84 Resp: 76185
Ion Ratio Lower Upper
84 100
86 62.7 43.7 81.1
49 96.6 64.0 119.0





#17

trans-1,2-Dichloroethene

Concen: 21.164 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

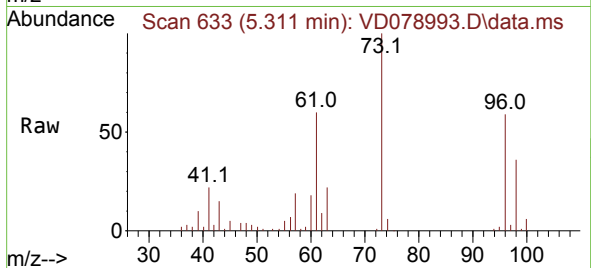
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



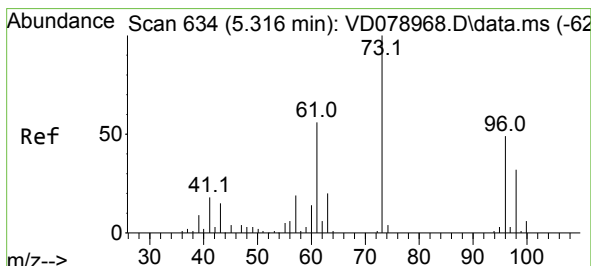
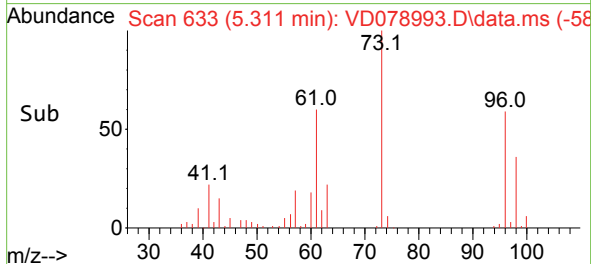
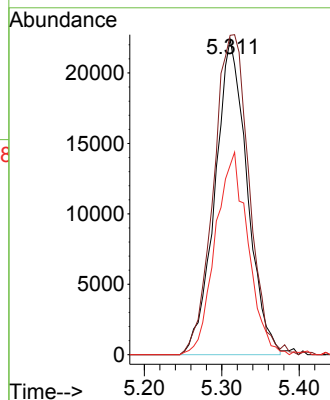
Tgt Ion: 96 Resp: 64710

Ion Ratio Lower Upper

96 100

61 101.4 75.5 140.1

98 60.1 39.1 72.7



#18

Methyl tert-butyl Ether

Concen: 22.080 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

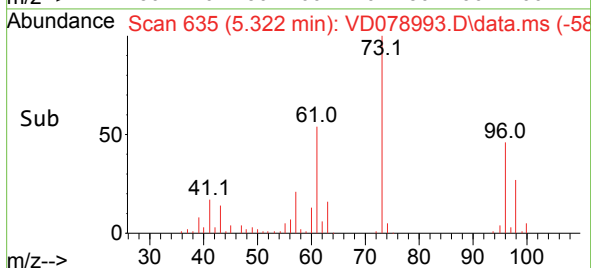
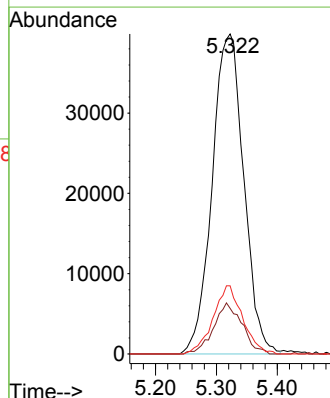
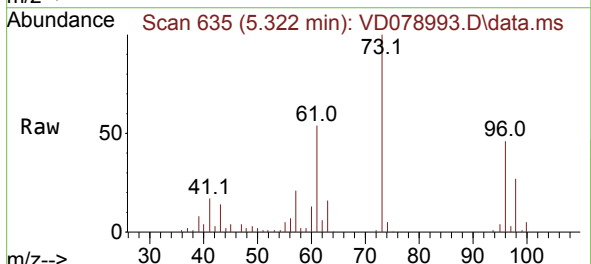
Tgt Ion: 73 Resp: 143837

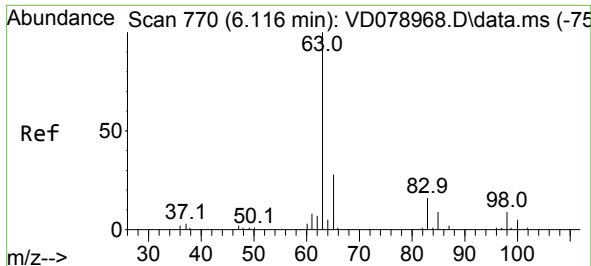
Ion Ratio Lower Upper

73 100

43 14.2 6.7 10.1#

57 19.7 16.8 25.2





#19

1,1-Dichloroethane

Concen: 22.229 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :

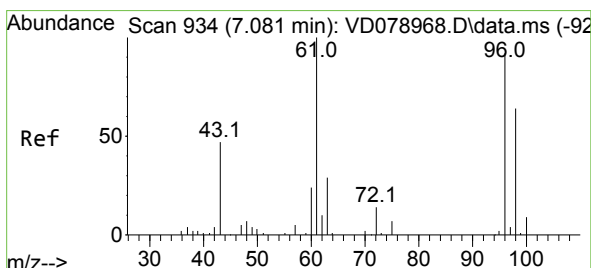
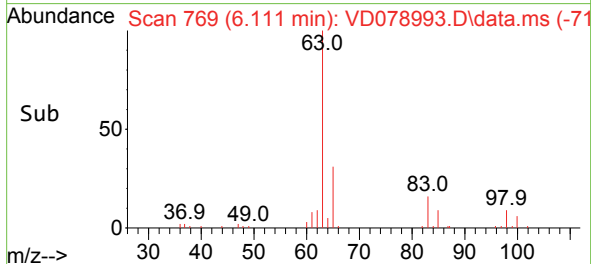
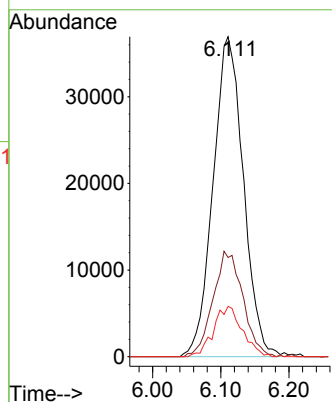
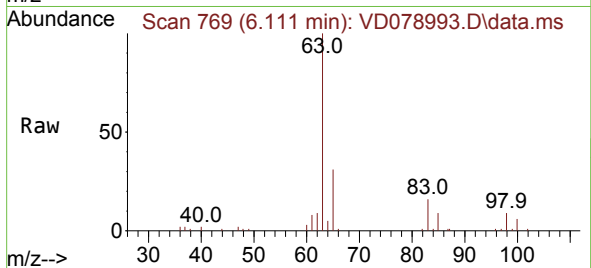
Tgt Ion: 63 Resp: 114160

Ion Ratio Lower Upper

63 100

65 31.0 23.5 43.7

83 15.7 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 21.878 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

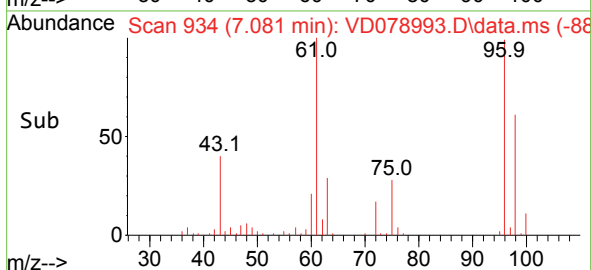
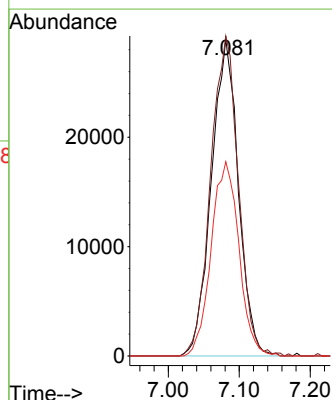
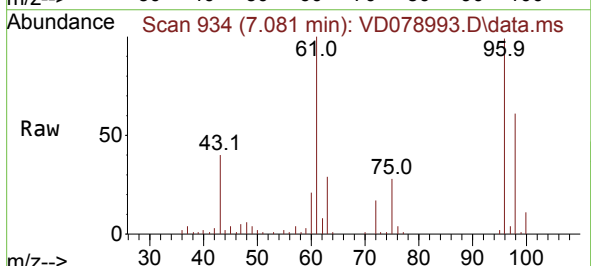
Tgt Ion: 96 Resp: 76302

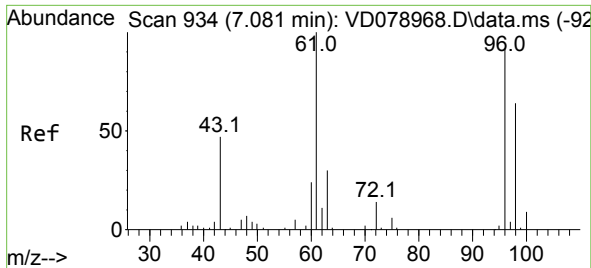
Ion Ratio Lower Upper

96 100

61 101.1 71.6 133.0

98 61.4 40.1 74.5

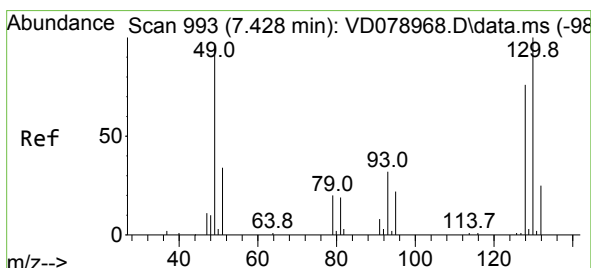
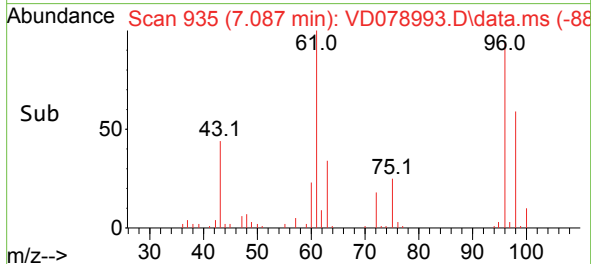
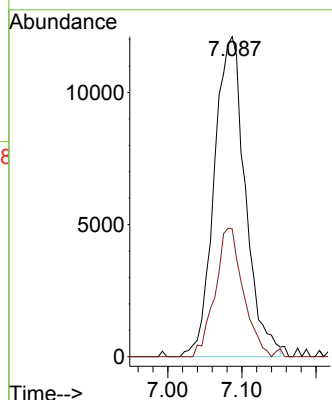
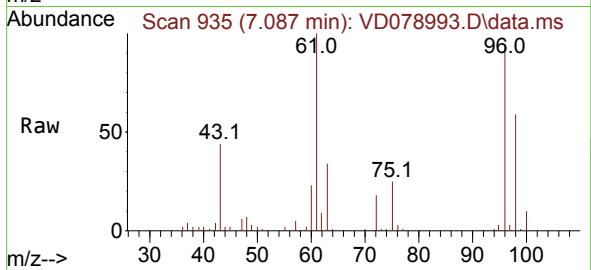




#22
2-Butanone
Concen: 42.216 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

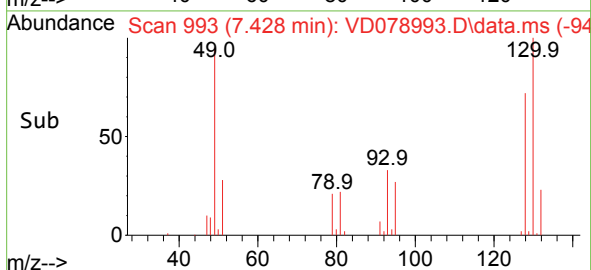
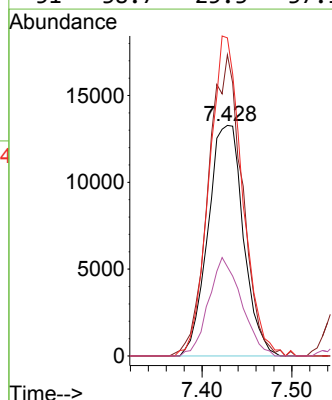
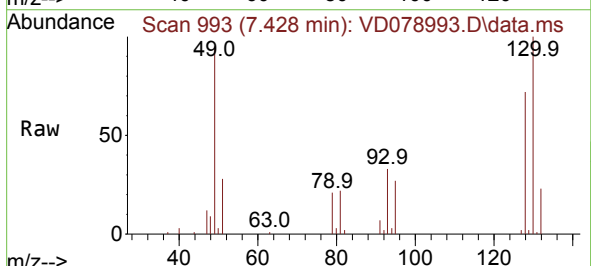
Instrument :
MSVOA_D
ClientSampleId :

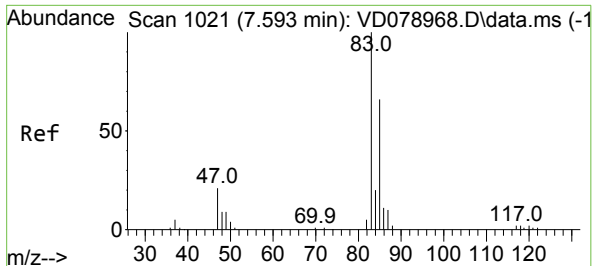
Tgt Ion: 43 Resp: 35332
Ion Ratio Lower Upper
43 100
72 36.1 17.1 51.2



#23
Bromochloromethane
Concen: 20.809 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:128 Resp: 36263
Ion Ratio Lower Upper
128 100
49 130.6 77.3 143.5
130 138.0 83.4 154.8
51 38.7 25.3 37.9#





#25

Chloroform

Concen: 21.601 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

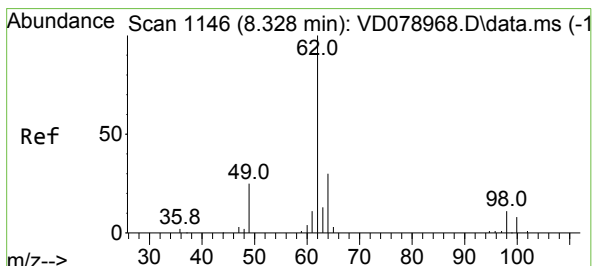
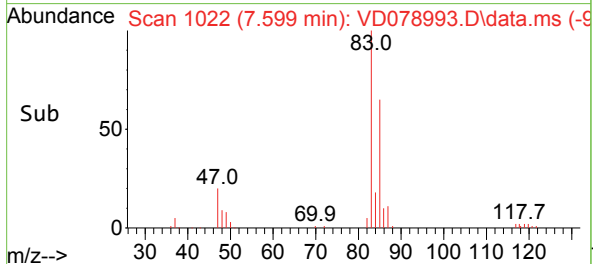
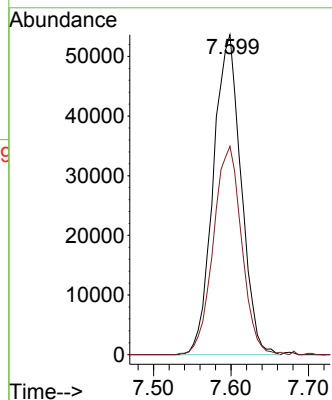
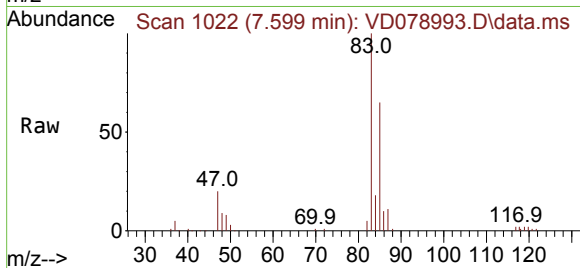
ClientSampleId :

Tgt Ion: 83 Resp: 133341

Ion Ratio Lower Upper

83 100

85 65.1 41.8 77.6



#27

1,2-Dichloroethane

Concen: 21.854 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD078993.D

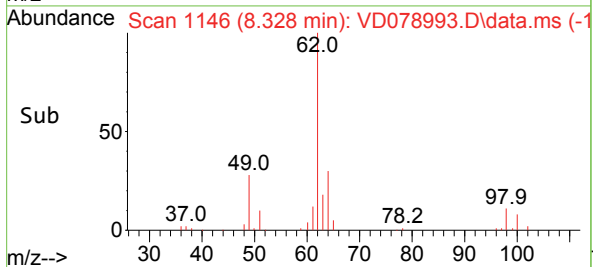
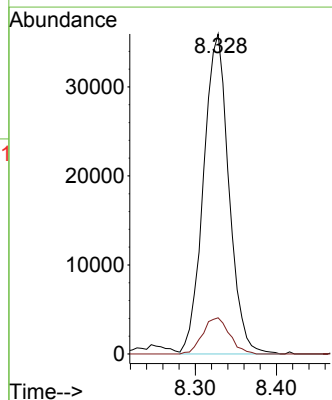
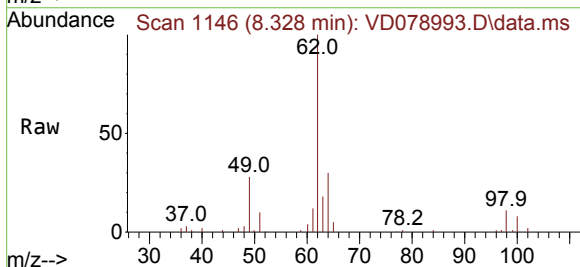
Acq: 23 May 2024 09:33

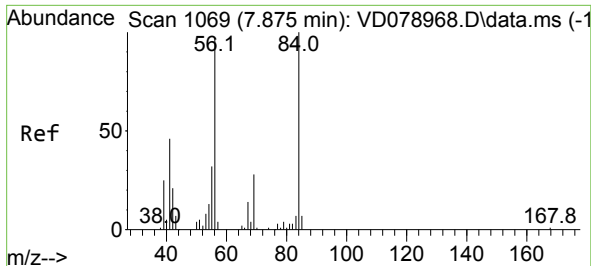
Tgt Ion: 62 Resp: 78133

Ion Ratio Lower Upper

62 100

98 11.3 10.2 15.4





#29

Cyclohexane

Concen: 22.629 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

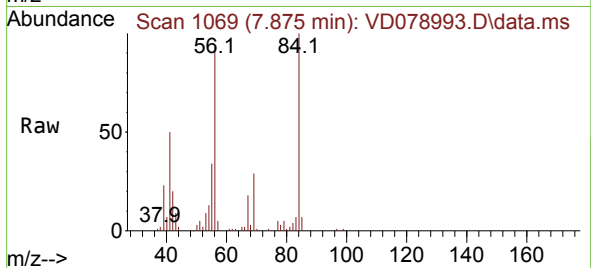
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



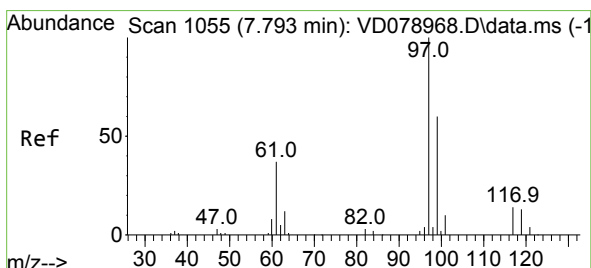
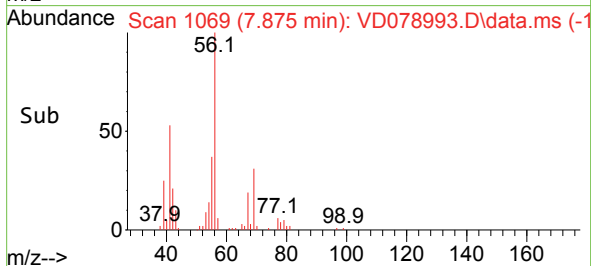
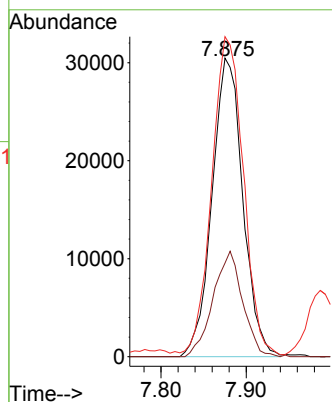
Tgt Ion: 56 Resp: 76475

Ion Ratio Lower Upper

56 100

69 33.9 25.2 37.8

84 110.7 83.4 125.2



#30

1,1,1-Trichloroethane

Concen: 23.528 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

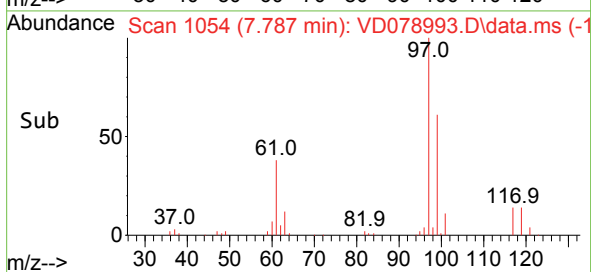
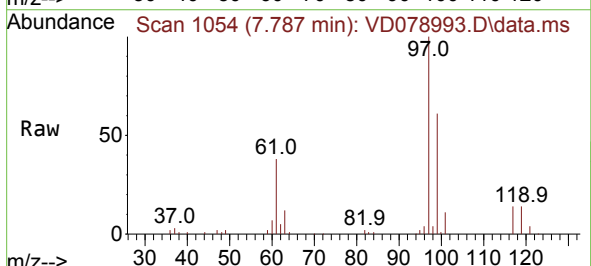
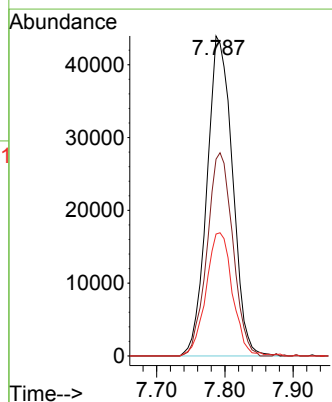
Tgt Ion: 97 Resp: 114463

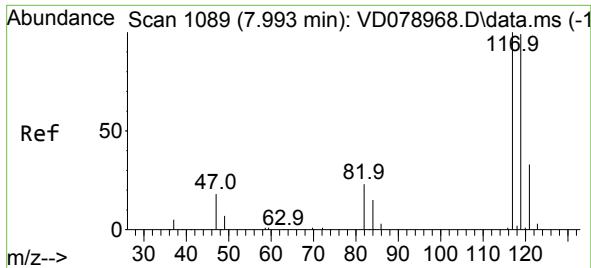
Ion Ratio Lower Upper

97 100

99 64.0 52.6 78.8

61 39.6 32.6 48.8

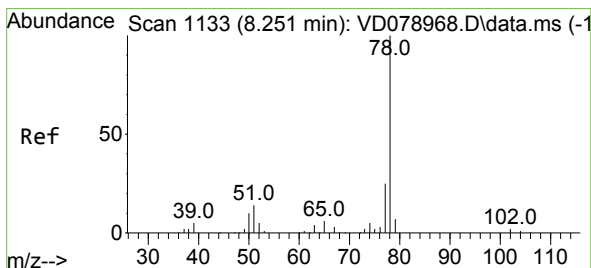
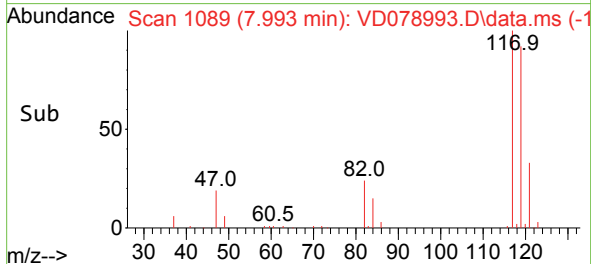
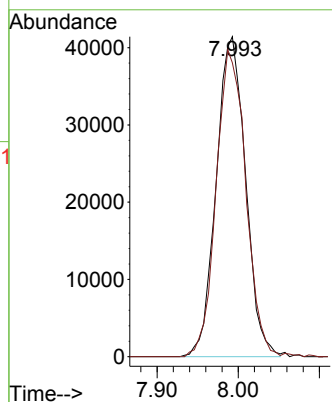
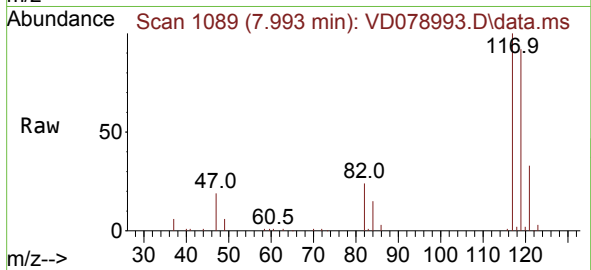




#31
Carbon tetrachloride
Concen: 23.250 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

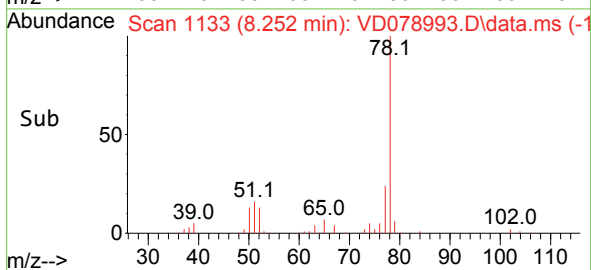
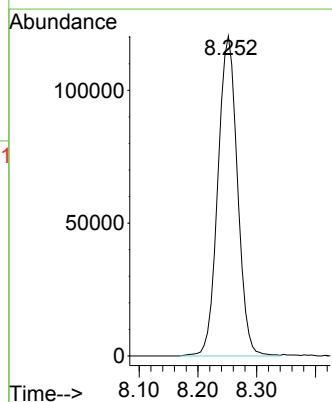
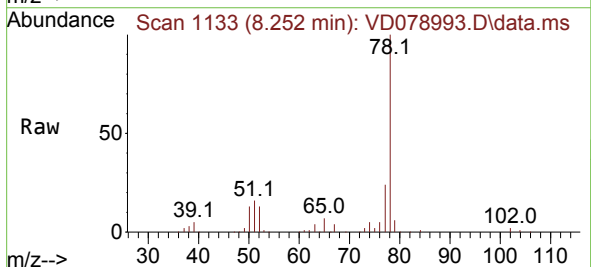
Instrument :
MSVOA_D
ClientSampleId :

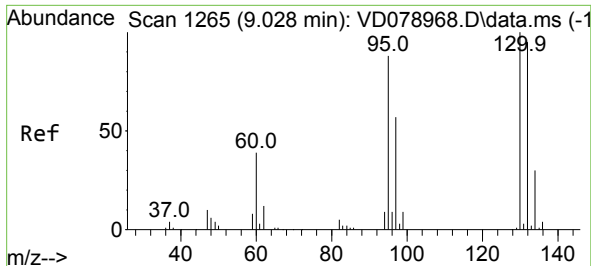
Tgt Ion:117 Resp: 104148
Ion Ratio Lower Upper
117 100
119 96.4 77.7 116.5



#33
Benzene
Concen: 23.127 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion: 78 Resp: 278758

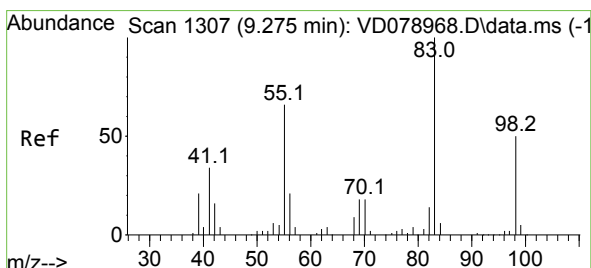
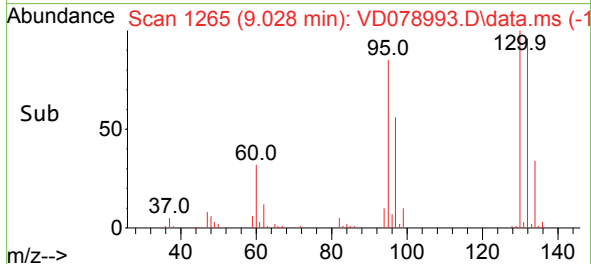
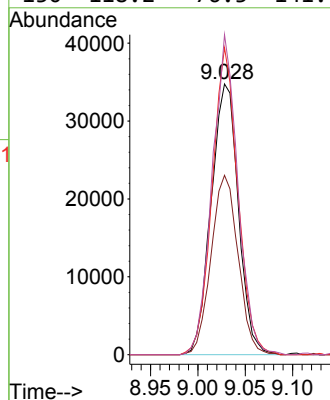
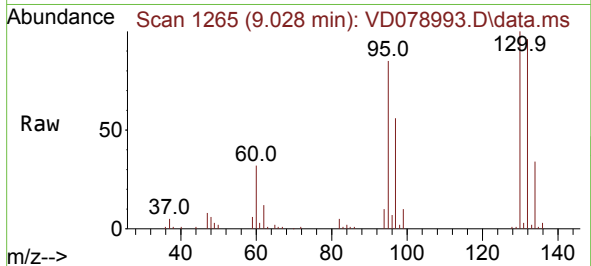




#34
Trichloroethene
Concen: 22.417 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

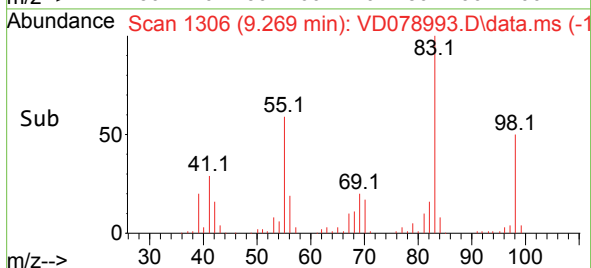
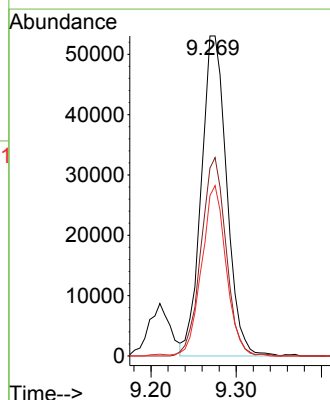
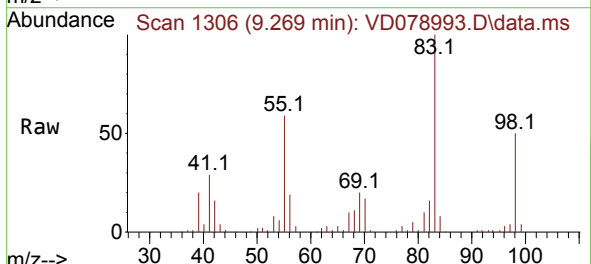
Instrument :
MSVOA_D
ClientSampleId :

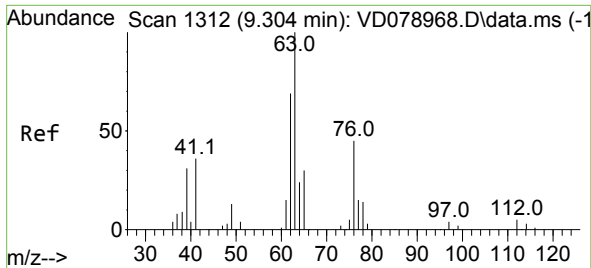
Tgt Ion: 95 Resp: 69611
Ion Ratio Lower Upper
95 100
97 66.2 42.6 79.2
132 113.3 69.5 129.1
130 118.2 76.3 141.7



#35
Methylcyclohexane
Concen: 23.542 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion: 83 Resp: 109904
Ion Ratio Lower Upper
83 100
55 60.6 49.0 73.6
98 51.3 40.1 60.1





#37

1,2-Dichloropropane

Concen: 23.339 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

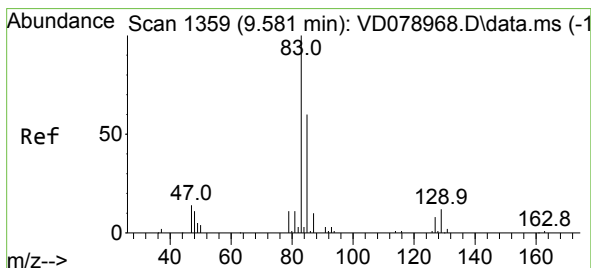
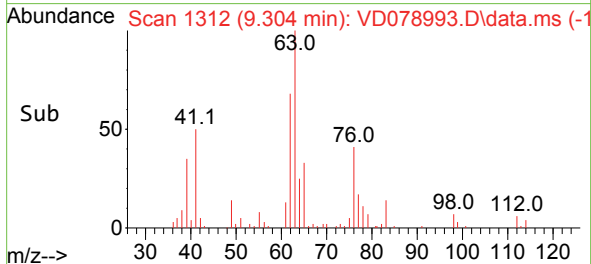
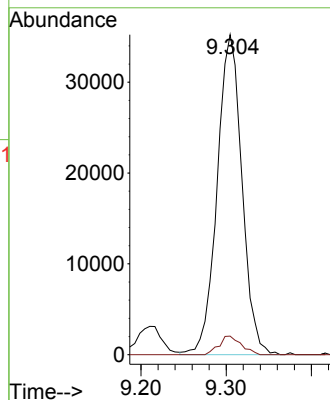
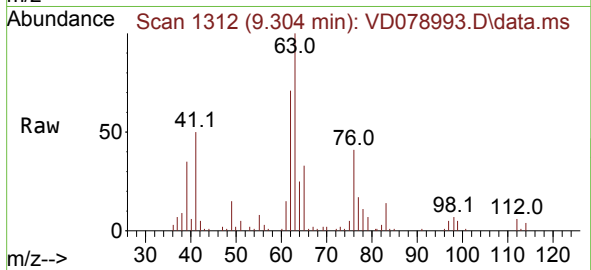
ClientSampleId :

Tgt Ion: 63 Resp: 71292

Ion Ratio Lower Upper

63 100

112 5.2 4.1 6.1



#38

Bromodichloromethane

Concen: 23.038 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

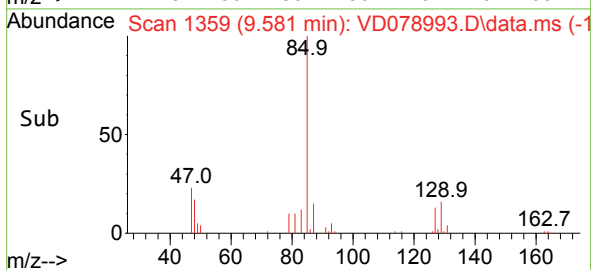
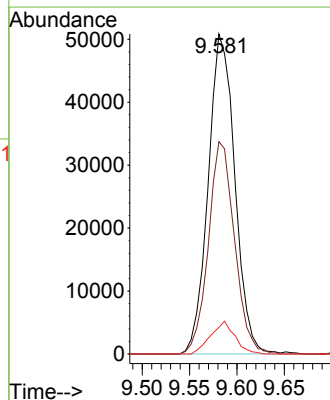
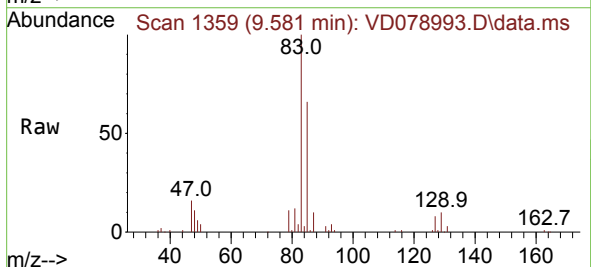
Tgt Ion: 83 Resp: 99510

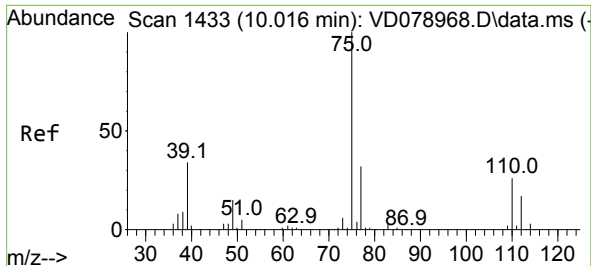
Ion Ratio Lower Upper

83 100

85 66.3 45.4 84.4

127 8.3 7.6 11.4

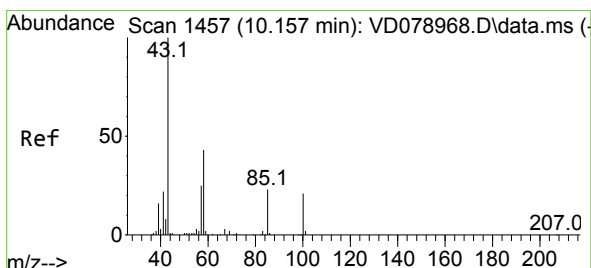
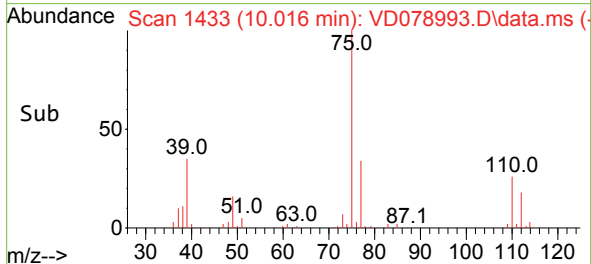
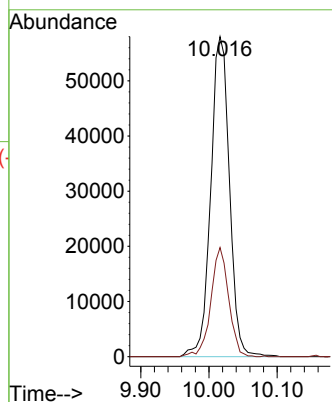
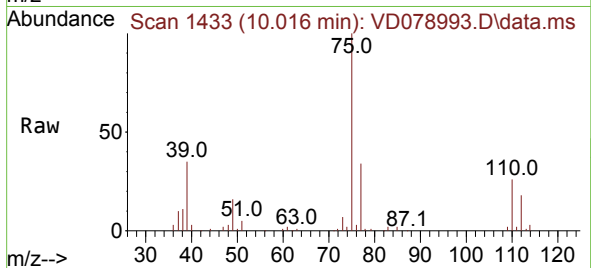




#39
 cis-1,3-Dichloropropene
 Concen: 23.164 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

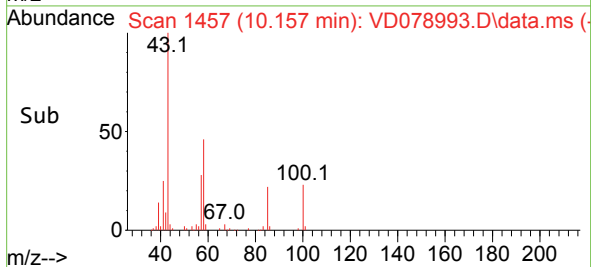
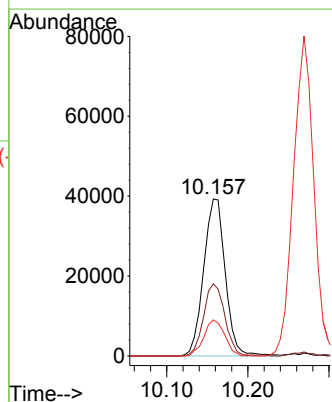
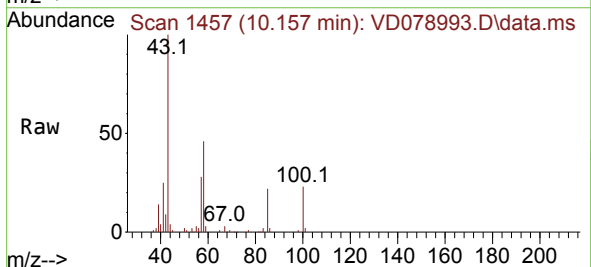
Instrument :
 MSVOA_D
 ClientSampleId :

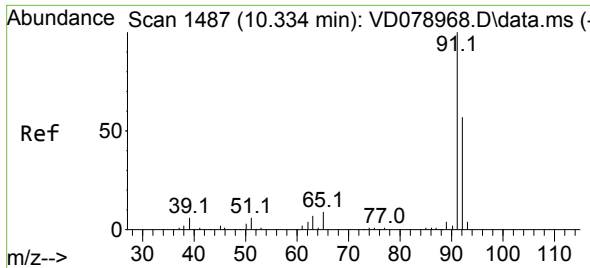
Tgt Ion: 75 Resp: 110997
 Ion Ratio Lower Upper
 75 100
 77 34.1 20.0 37.2



#40
 4-Methyl-2-pentanone
 Concen: 47.198 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

Tgt Ion: 43 Resp: 72823
 Ion Ratio Lower Upper
 43 100
 58 44.7 38.0 57.0
 100 22.0 17.3 25.9





#42

Toluene

Concen: 23.958 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

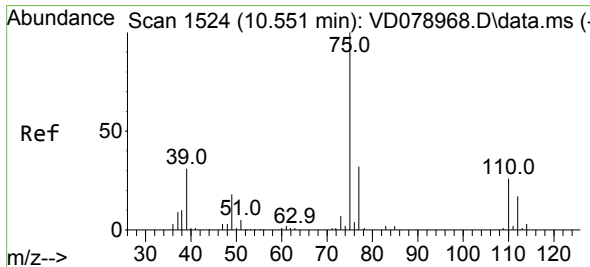
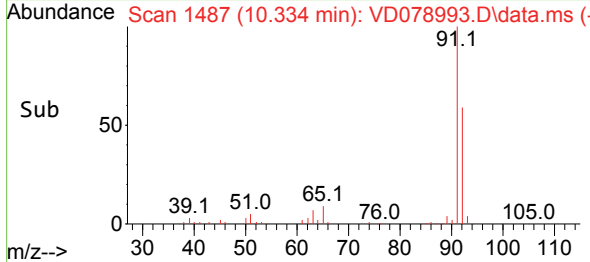
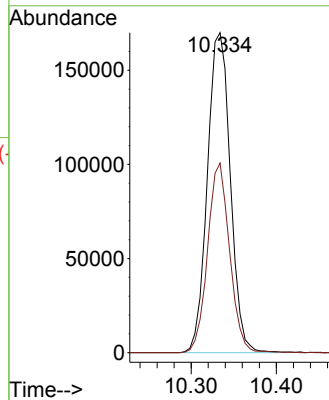
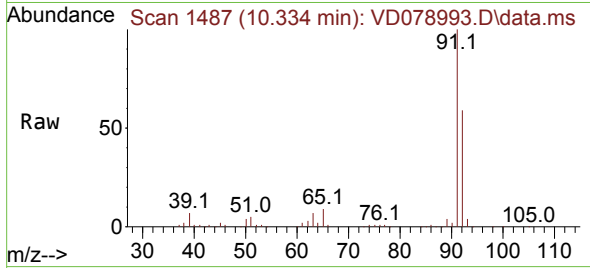
ClientSampleId :

Tgt Ion: 91 Resp: 317482

Ion Ratio Lower Upper

91 100

92 59.3 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 23.399 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078993.D

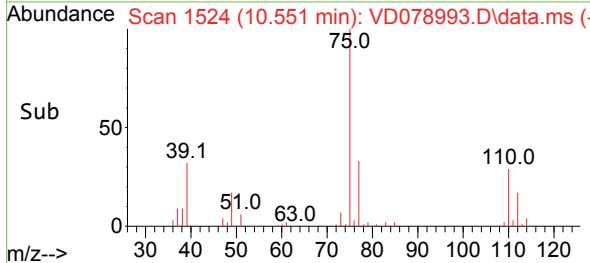
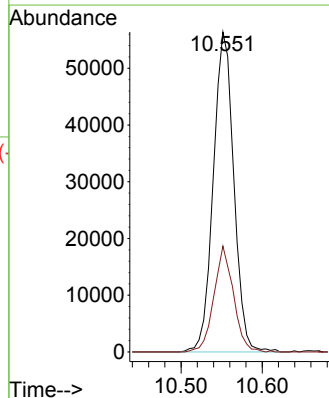
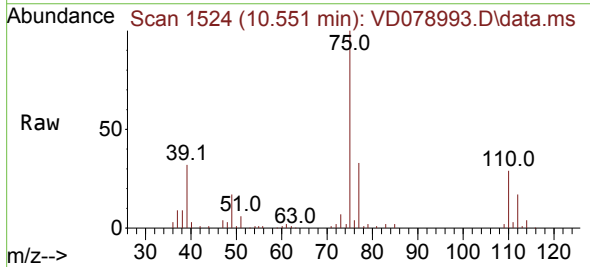
Acq: 23 May 2024 09:33

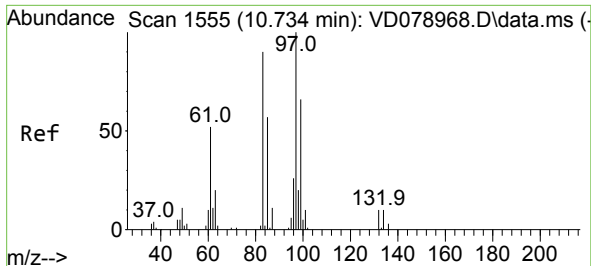
Tgt Ion: 75 Resp: 99124

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.4

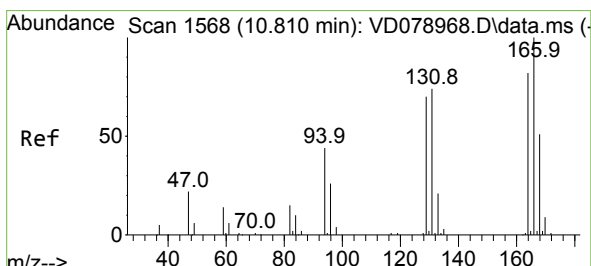
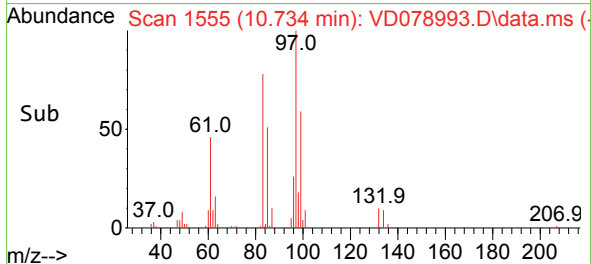
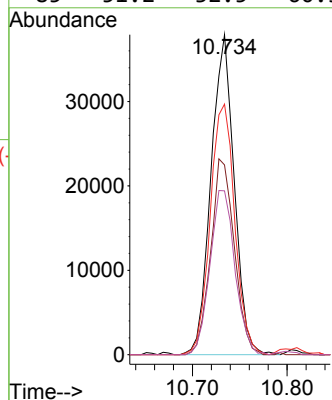
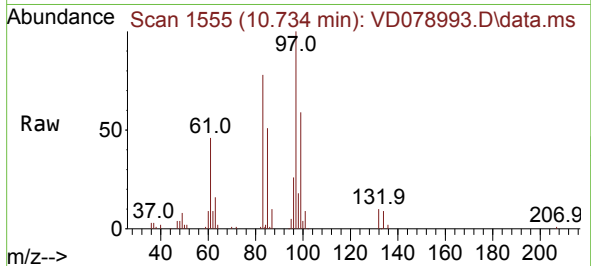




#45
1,1,2-Trichloroethane
Concen: 23.087 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

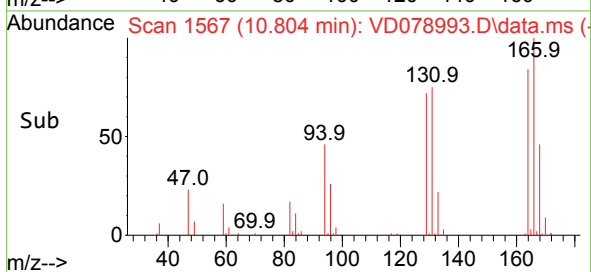
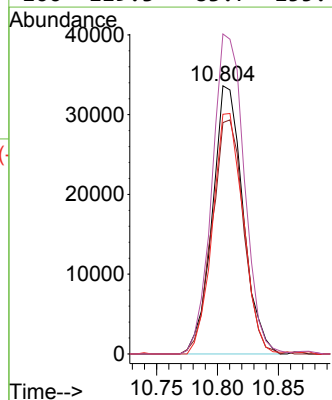
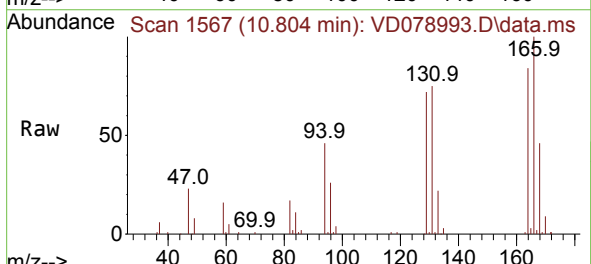
Instrument :
MSVOA_D
ClientSampleId :

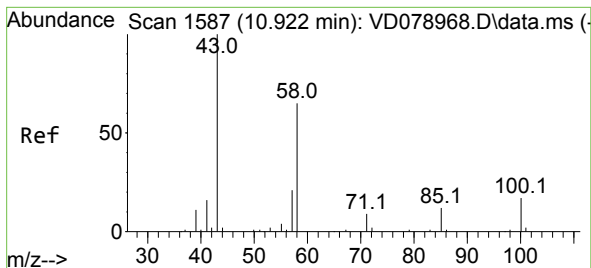
Tgt Ion:	97	Resp:	64486
Ion	Ratio	Lower	Upper
97	100		
99	59.3	39.1	72.7
83	78.3	54.6	101.4
85	51.2	32.5	60.3



#46
Tetrachloroethene
Concen: 22.065 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:	164	Resp:	58950
Ion	Ratio	Lower	Upper
164	100		
129	86.3	63.3	117.7
131	89.4	60.8	112.8
166	119.3	83.7	155.4





#48

2-Hexanone

Concen: 44.832 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

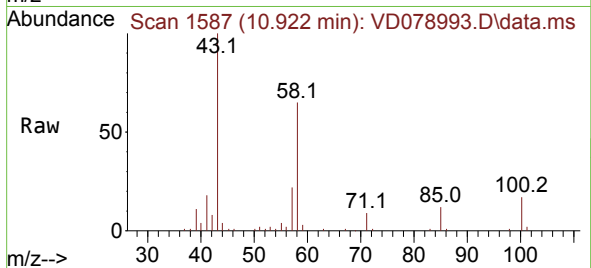
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 53623

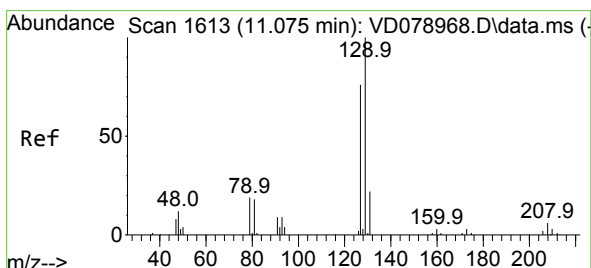
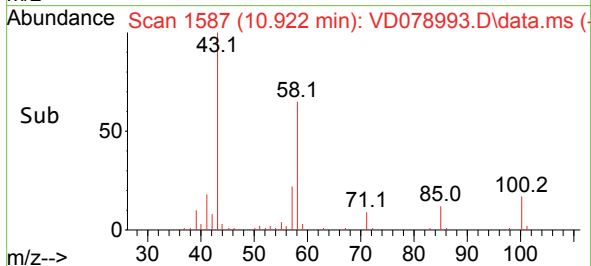
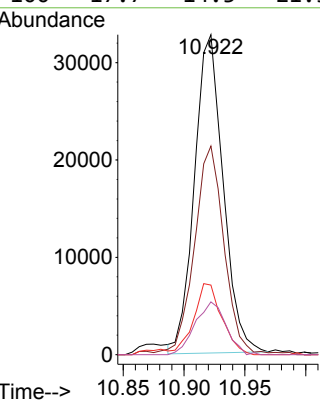
Ion Ratio Lower Upper

43 100

58 66.0 53.4 80.2

57 21.9 17.0 25.4

100 17.7 14.3 21.5



#49

Dibromochloromethane

Concen: 22.055 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD078993.D

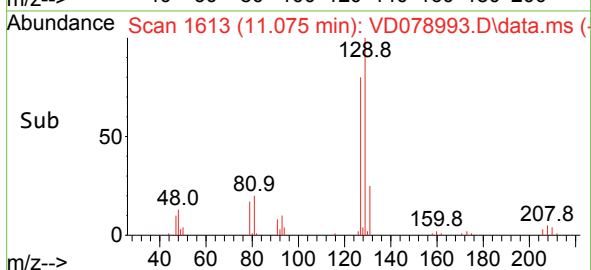
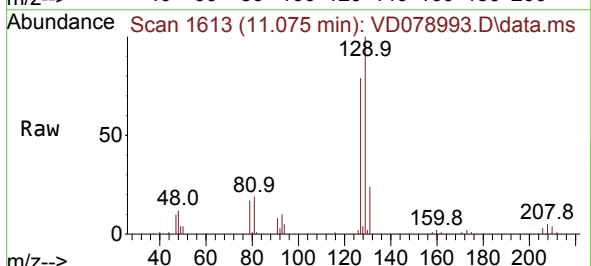
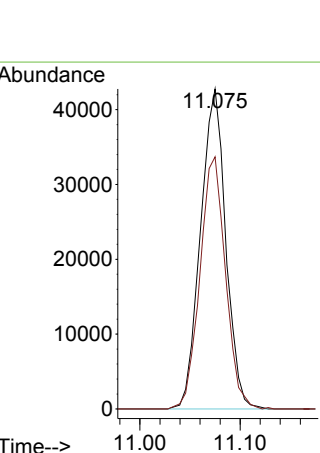
Acq: 23 May 2024 09:33

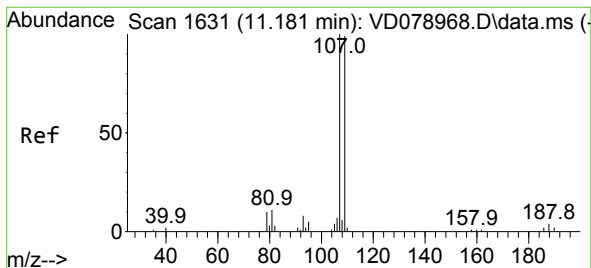
Tgt Ion:129 Resp: 74896

Ion Ratio Lower Upper

129 100

127 78.8 54.8 101.8





#50

1,2-Dibromoethane

Concen: 21.780 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

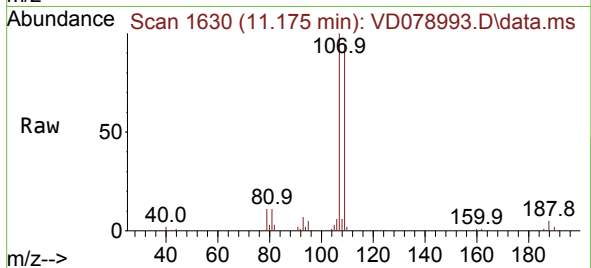
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



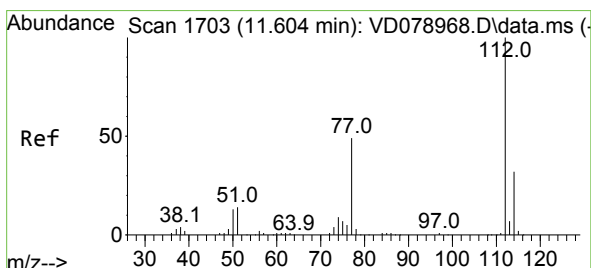
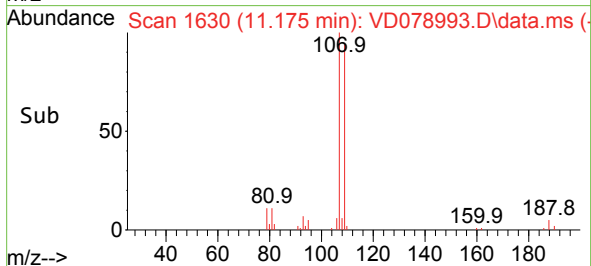
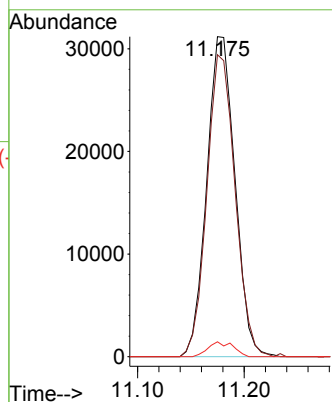
Tgt Ion:107 Resp: 57466

Ion Ratio Lower Upper

107 100

109 94.4 67.0 124.4

188 4.6 3.4 5.2



#51

Chlorobenzene

Concen: 22.761 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

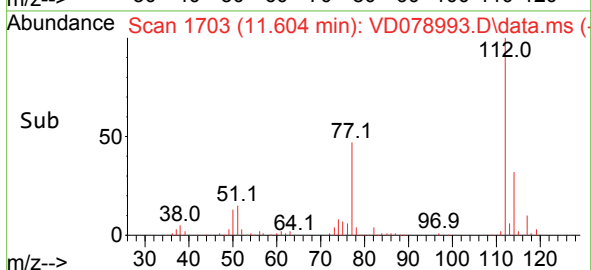
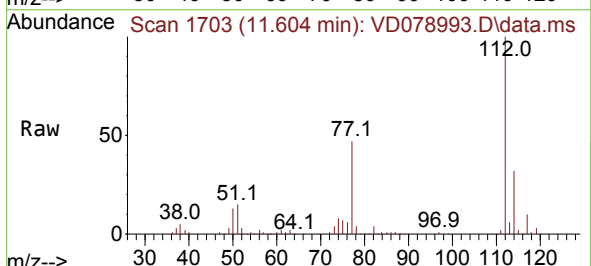
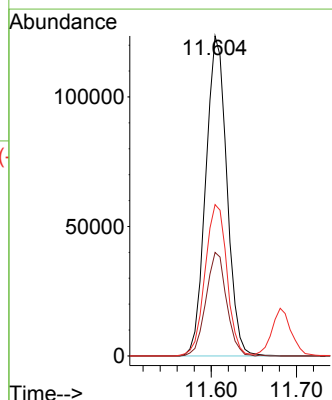
Tgt Ion:112 Resp: 213092

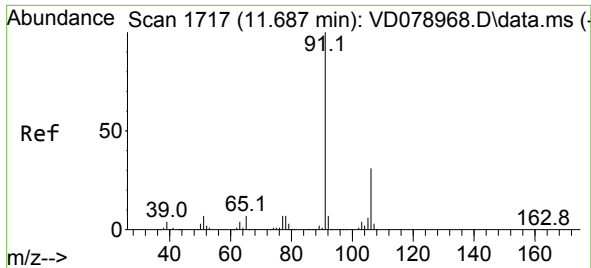
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.9

77 47.3 39.4 59.0

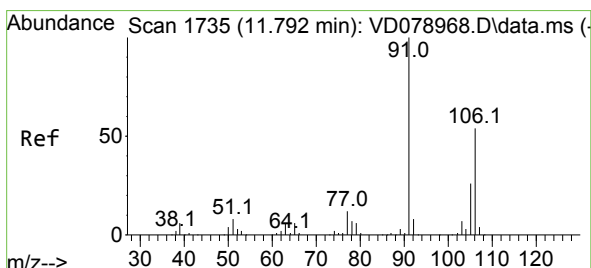
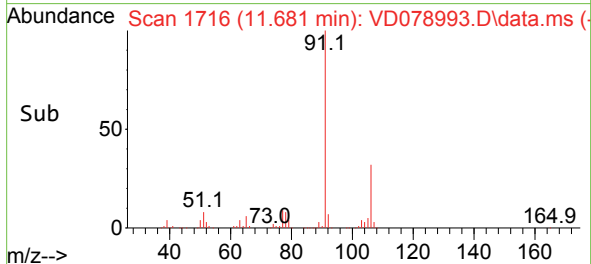
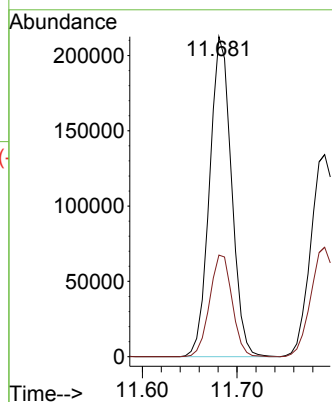
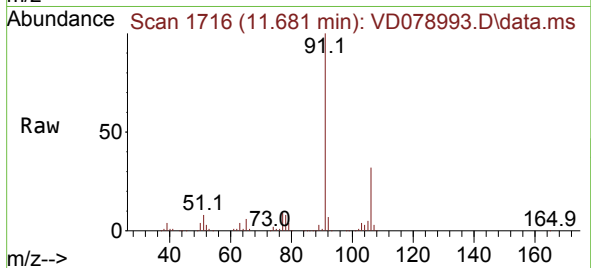




#52
Ethylbenzene
Concen: 23.918 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

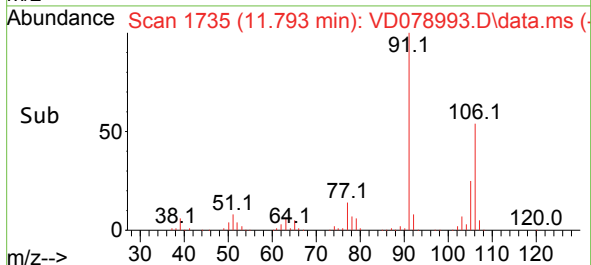
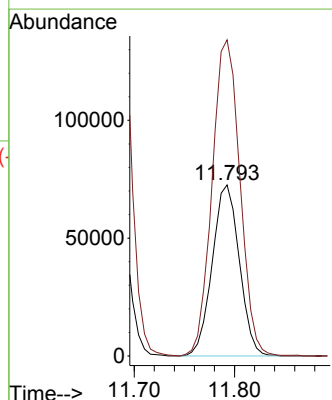
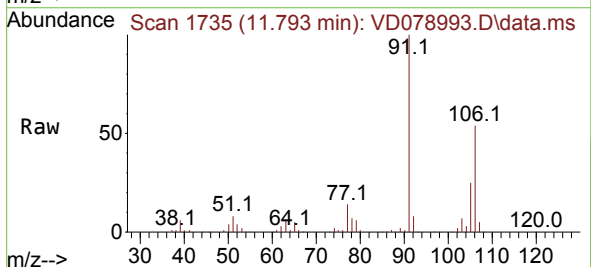
Instrument :
MSVOA_D
ClientSampleId :

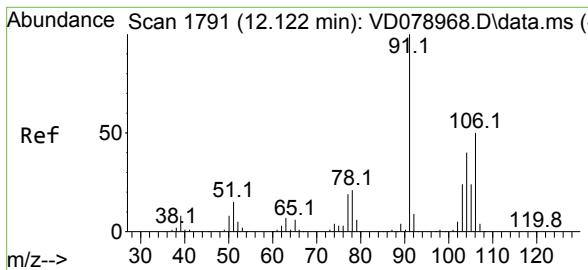
Tgt Ion: 91 Resp: 342073
Ion Ratio Lower Upper
91 100
106 31.8 21.6 40.2



#53
m,p-Xylene
Concen: 23.767 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:106 Resp: 135986
Ion Ratio Lower Upper
106 100
91 184.8 128.3 238.3

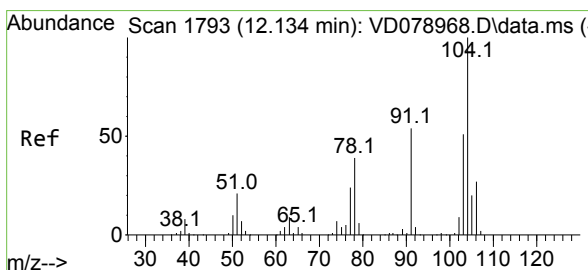
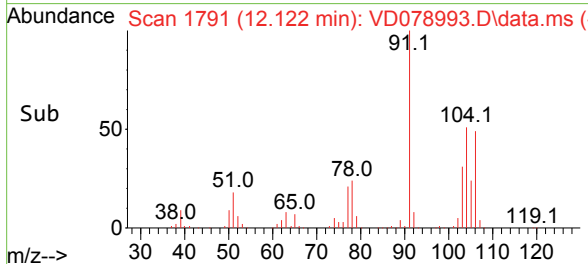
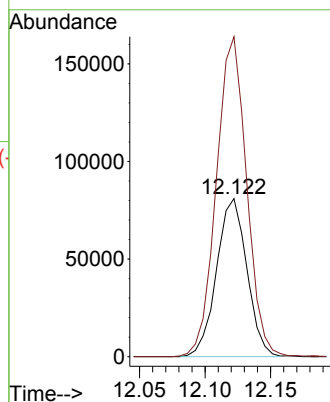
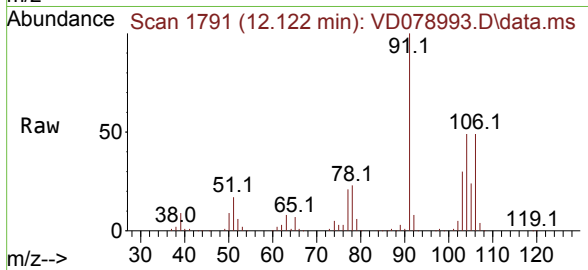




#54
o-Xylene
Concen: 23.369 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

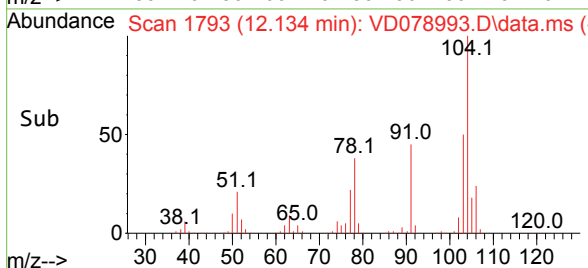
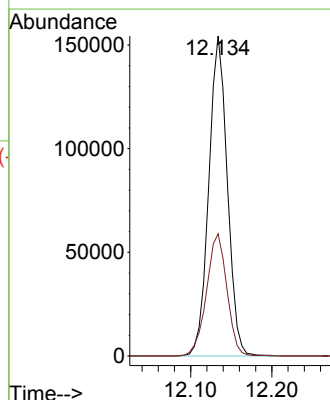
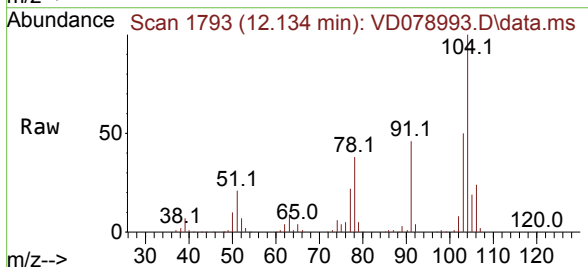
Instrument :
MSVOA_D
ClientSampleId :

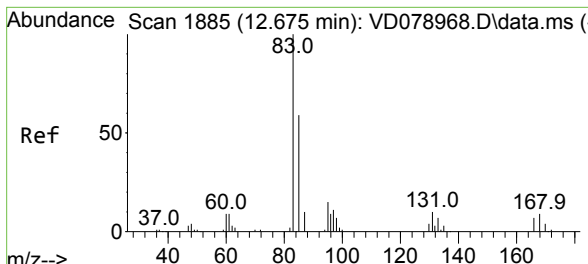
Tgt Ion:106 Resp: 130231
Ion Ratio Lower Upper
106 100
91 202.5 138.3 256.9



#55
Styrene
Concen: 24.844 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:104 Resp: 244654
Ion Ratio Lower Upper
104 100
78 38.2 27.8 51.6

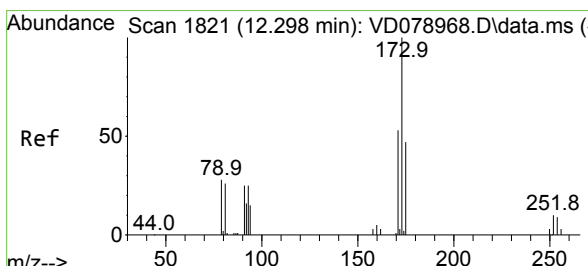
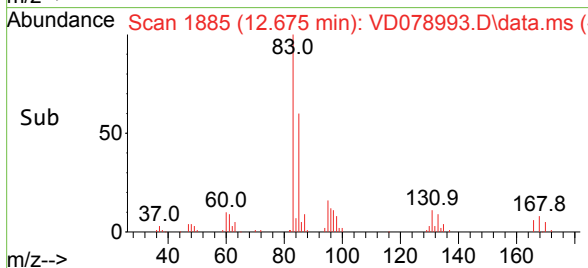
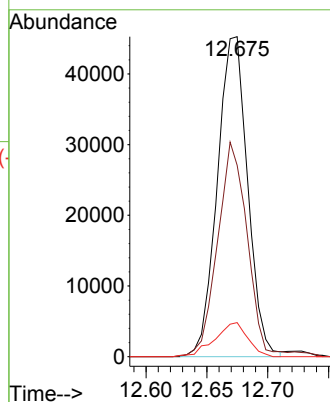
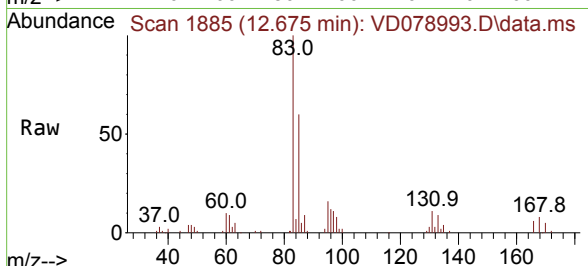




#57
 1,1,2,2-Tetrachloroethane
 Concen: 23.193 ug/L
 RT: 12.675 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

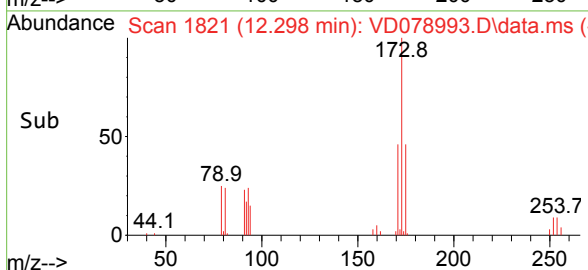
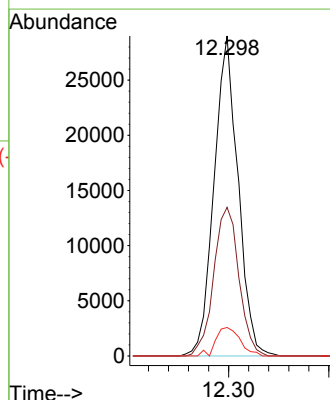
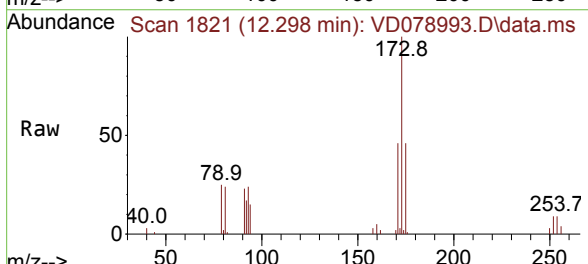
Instrument :
 MSVOA_D
 ClientSampleId :

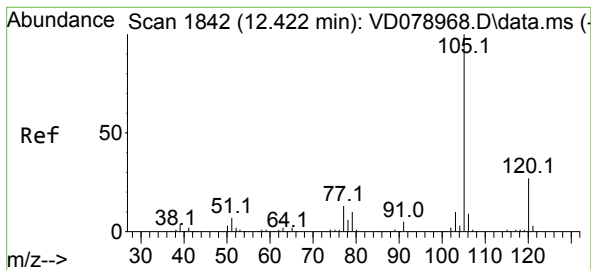
Tgt Ion:	83	Resp:	78572
Ion	Ratio	Lower	Upper
83	100		
85	59.8	44.3	82.3
131	10.6	7.5	11.3



#59
 Bromoform
 Concen: 22.688 ug/L
 RT: 12.298 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

Tgt Ion:	173	Resp:	48104
Ion	Ratio	Lower	Upper
173	100		
175	48.9	40.0	60.0
254	8.7	6.3	9.5





#60

Isopropylbenzene

Concen: 26.081 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :

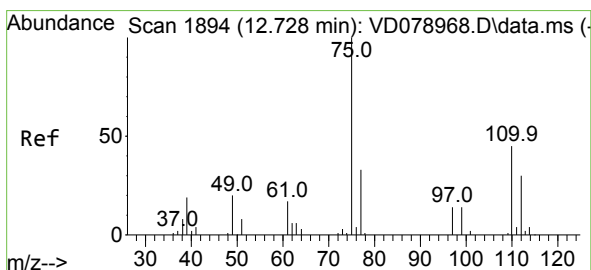
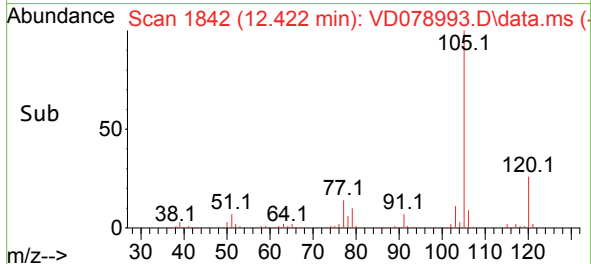
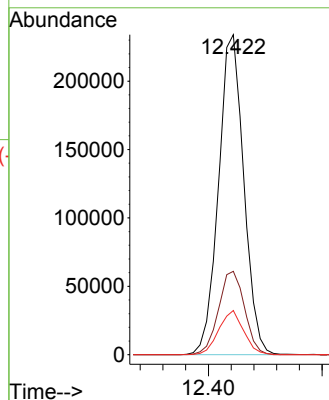
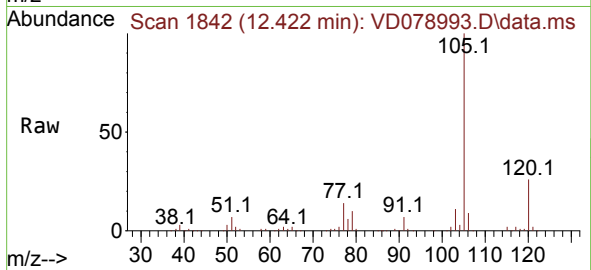
Tgt Ion:105 Resp: 361224

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.8

77 13.6 11.7 17.5



#61

1,2,3-Trichloropropane

Concen: 23.546 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

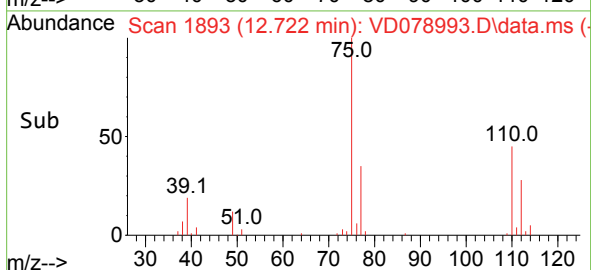
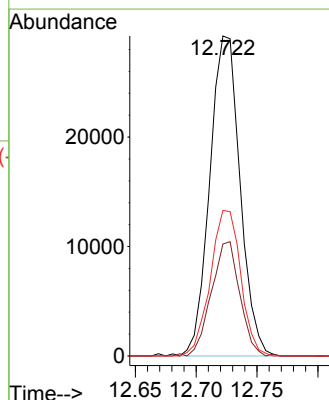
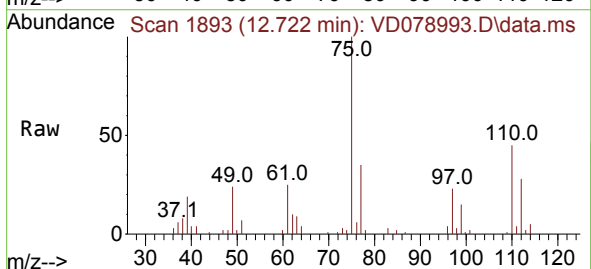
Tgt Ion: 75 Resp: 50562

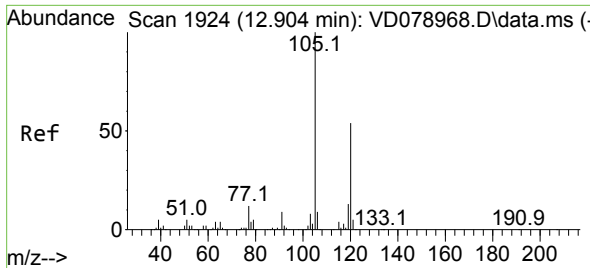
Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

110 45.5 37.1 55.7

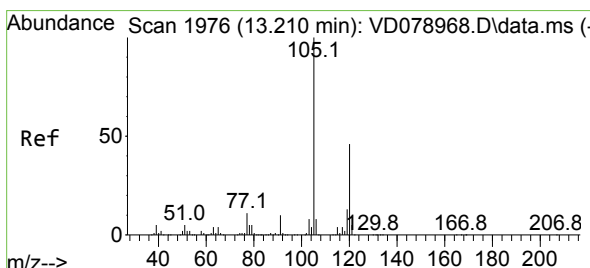
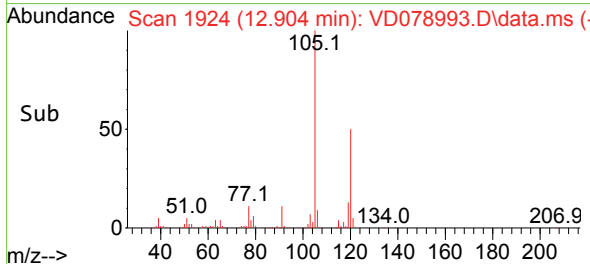
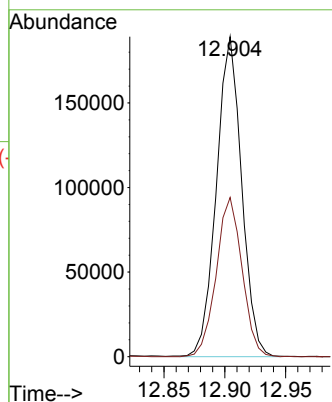
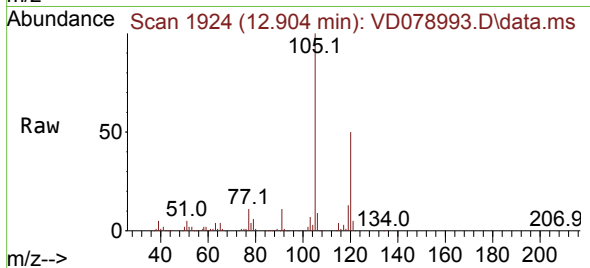




#62
 1,3,5-Trimethylbenzene
 Concen: 26.658 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

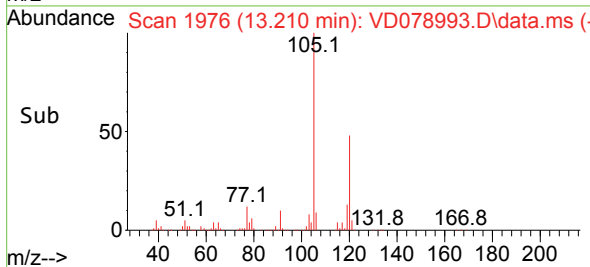
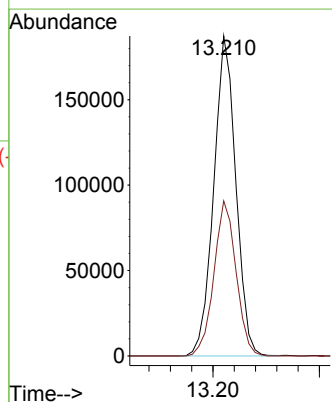
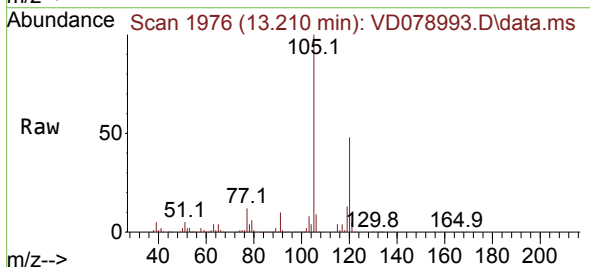
Instrument :
 MSVOA_D
 ClientSampleId :

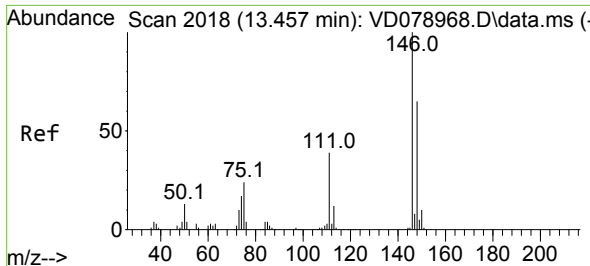
Tgt Ion:105 Resp: 272915
 Ion Ratio Lower Upper
 105 100
 120 50.8 41.9 62.9



#63
 1,2,4-Trimethylbenzene
 Concen: 25.919 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD078993.D
 Acq: 23 May 2024 09:33

Tgt Ion:105 Resp: 269628
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.8 58.2

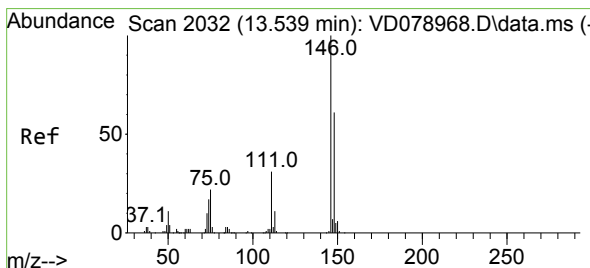
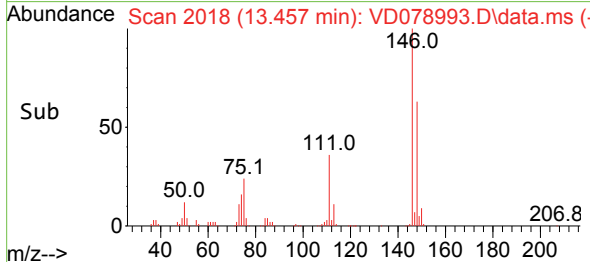
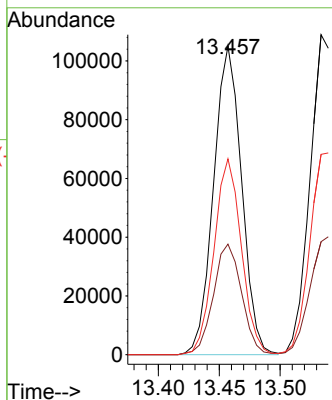
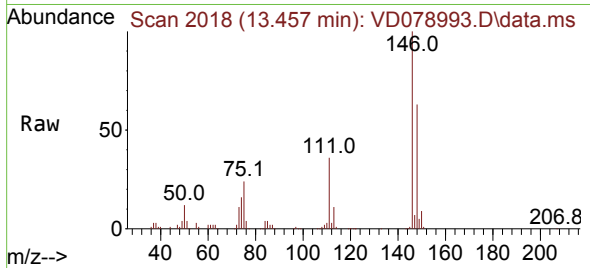




#64
1,3-Dichlorobenzene
Concen: 25.066 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

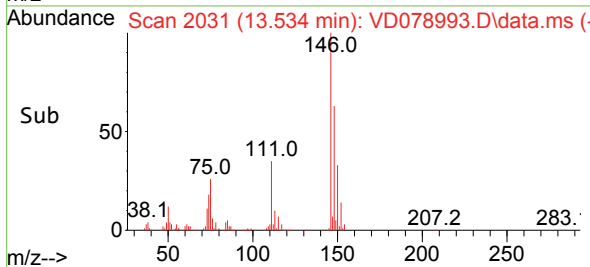
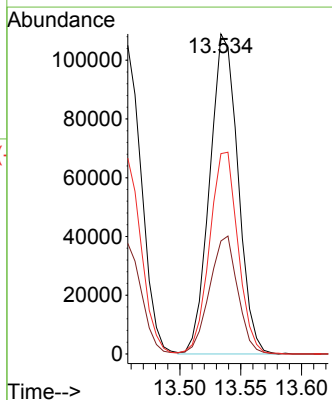
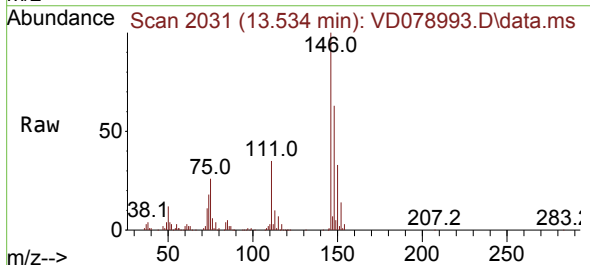
Instrument :
MSVOA_D
ClientSampleId :

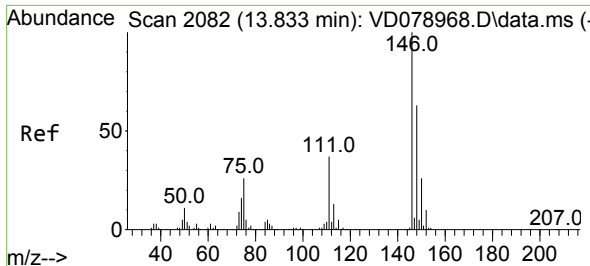
Tgt Ion:146 Resp: 168606
Ion Ratio Lower Upper
146 100
111 35.8 24.0 44.6
148 63.5 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 24.313 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:146 Resp: 176319
Ion Ratio Lower Upper
146 100
111 35.3 26.9 50.1
148 62.6 46.4 86.2





#67

1,2-Dichlorobenzene

Concen: 24.339 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

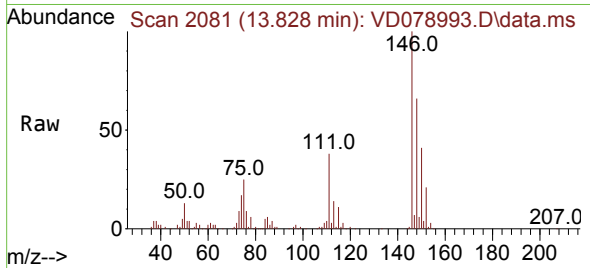
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



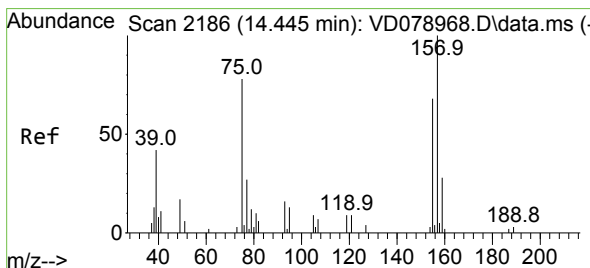
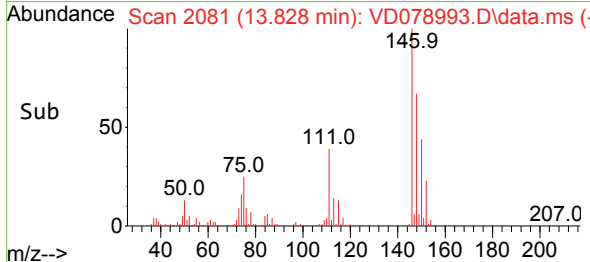
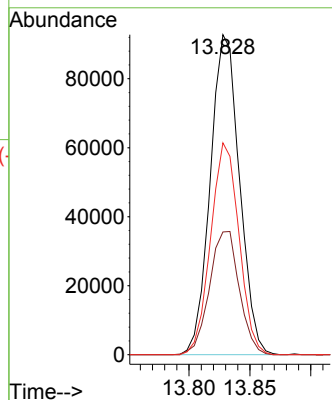
Tgt Ion:146 Resp: 154949

Ion Ratio Lower Upper

146 100

111 38.4 30.9 46.3

148 66.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.144 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

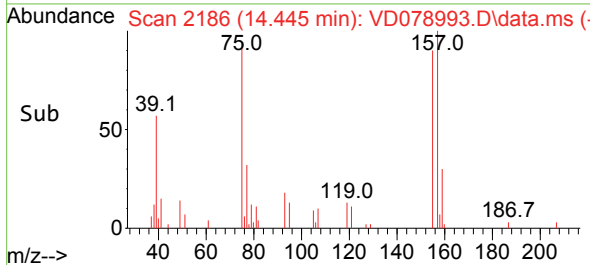
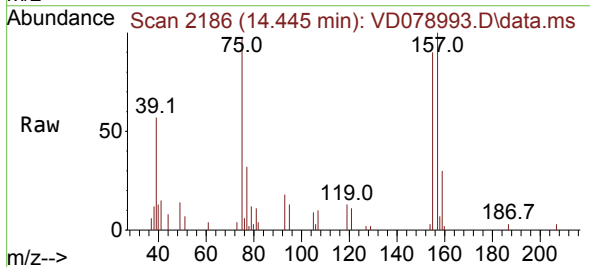
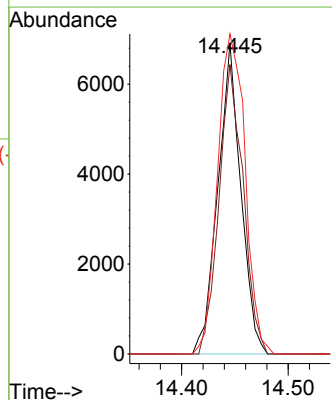
Tgt Ion: 75 Resp: 10353

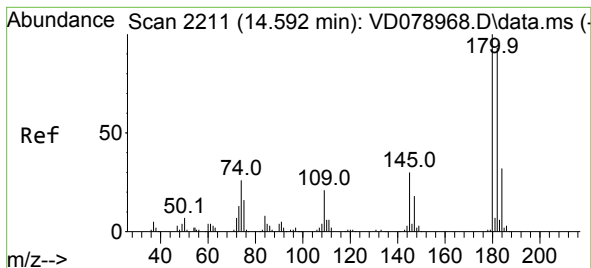
Ion Ratio Lower Upper

75 100

155 93.1 79.8 119.6

157 102.9 99.9 149.9





#69

1,3,5-Trichlorobenzene

Concen: 24.605 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

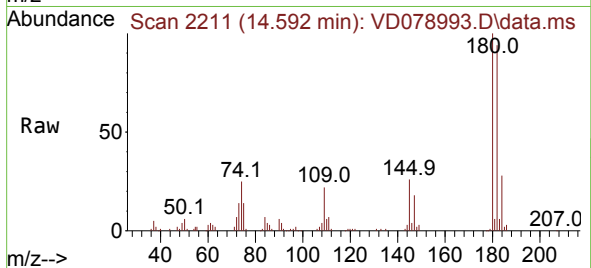
Lab File: VD078993.D

Acq: 23 May 2024 09:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 107491

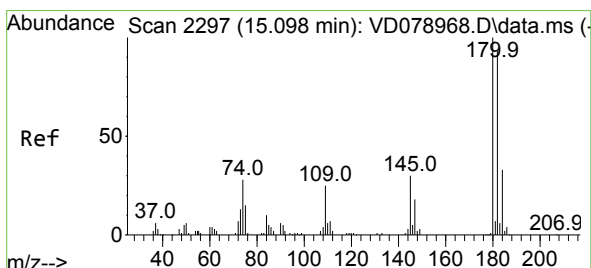
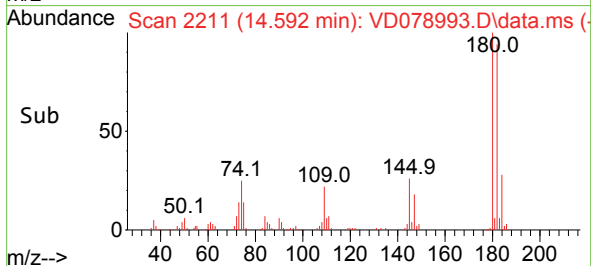
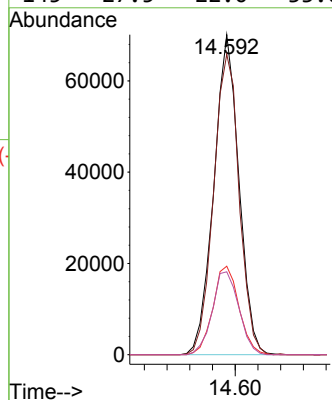
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

184 28.7 24.9 37.3

145 27.5 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 24.049 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078993.D

Acq: 23 May 2024 09:33

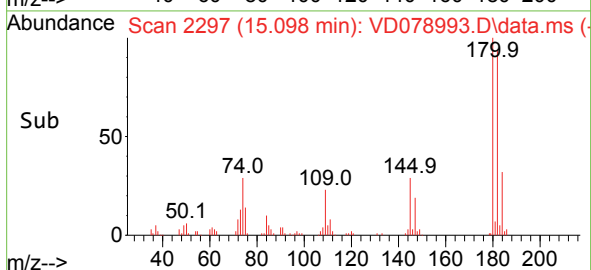
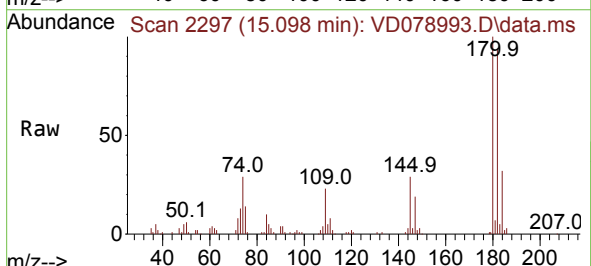
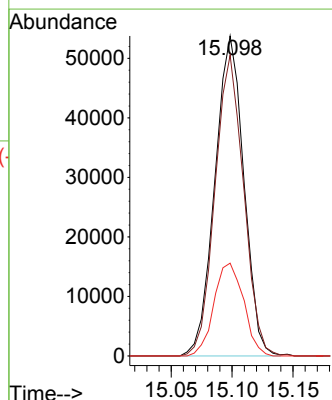
Tgt Ion:180 Resp: 88941

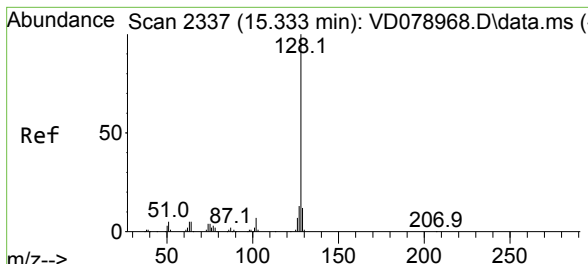
Ion Ratio Lower Upper

180 100

182 92.7 76.4 114.6

145 29.7 22.8 34.2

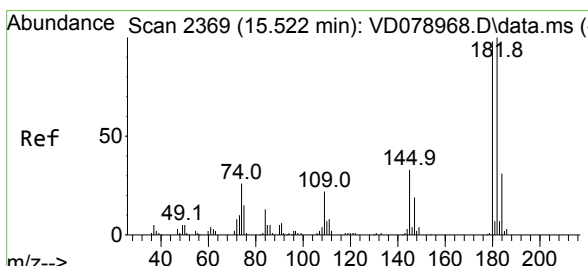
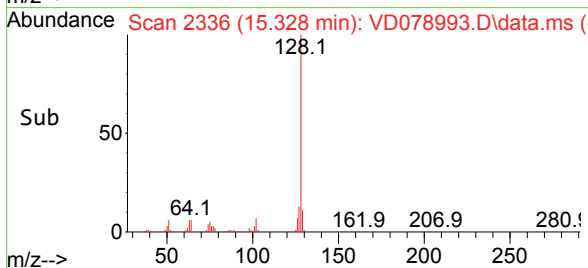
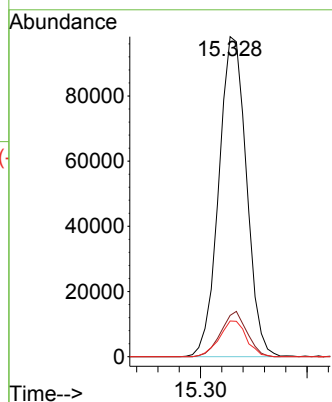
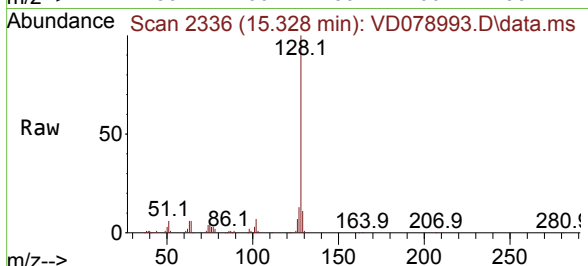




#71
Naphthalene
Concen: 23.451 ug/L
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 176953
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 24.197 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078993.D
Acq: 23 May 2024 09:33

Tgt Ion:180 Resp: 83643
Ion Ratio Lower Upper
180 100
182 94.4 77.2 115.8
145 31.3 24.4 36.6

