

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042123\
 Data File : VD075786.D
 Acq On : 21 Apr 2023 20:21
 Operator : KP/SY
 Sample : VSTDCCC050EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025129

Quant Time: Apr 22 03:57:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 22 03:53:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	351545	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	326326	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	162365	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	205087	26.593	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.360%	
7) Chloroethane-d5	2.799	69	172610	25.904	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 103.600%	
11) 1,1-Dichloroethene-d2	3.916	65	45080	25.355	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.400%	
21) 2-Butanone-d5	6.981	46	33912	50.653	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 101.300%	
24) Chloroform-d	7.569	84	227565	25.886	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 103.560%	
26) 1,2-Dichloroethane-d4	8.234	65	97538	25.982	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 103.920%	
32) Benzene-d6	8.199	84	494982	26.025	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 104.080%	
36) 1,2-Dichloropropane-d6	9.210	67	134934	25.631	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 102.520%	
41) Toluene-d8	10.269	98	468582	26.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 105.280%	
43) trans-1,3-Dichloroprop...	10.522	79	55495	25.503	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 102.000%	
47) 2-Hexanone-d5	10.875	63	33183	52.349	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 104.700%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	105467	26.180	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 104.720%	
66) 1,2-Dichlorobenzene-d4	13.816	152	145908	25.406	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 101.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	132013	27.240	ug/L	99
3) Chloromethane	2.146	50	186619	27.623	ug/L	100
5) Vinyl chloride	2.281	62	230463	26.101	ug/L	98
6) Bromomethane	2.693	94	148539	25.036	ug/L	96
8) Chloroethane	2.834	64	146603	25.673	ug/L	96
9) Trichlorofluoromethane	3.175	101	182956	25.789	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	125401	26.311	ug/L	100
12) 1,1-Dichloroethene	3.940	96	118533	25.644	ug/L	93
13) Acetone	4.022	43	27692	48.334	ug/L	94
14) Carbon disulfide	4.269	76	417862	25.882	ug/L	98
15) Methyl Acetate	4.563	43	32203	25.935	ug/L	# 53
16) Methylene chloride	4.799	84	146696	20.570	ug/L	98
17) trans-1,2-Dichloroethene	5.311	96	134696	25.988	ug/L	99
18) Methyl tert-butyl Ether	5.322	73	213017	25.622	ug/L	99
19) 1,1-Dichloroethane	6.110	63	197511	26.013	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	141225	25.769	ug/L	94
22) 2-Butanone	7.087	43	37998	50.872	ug/L	97
23) Bromochloromethane	7.422	128	67083	26.394	ug/L	91
25) Chloroform	7.593	83	215120	25.280	ug/L	99

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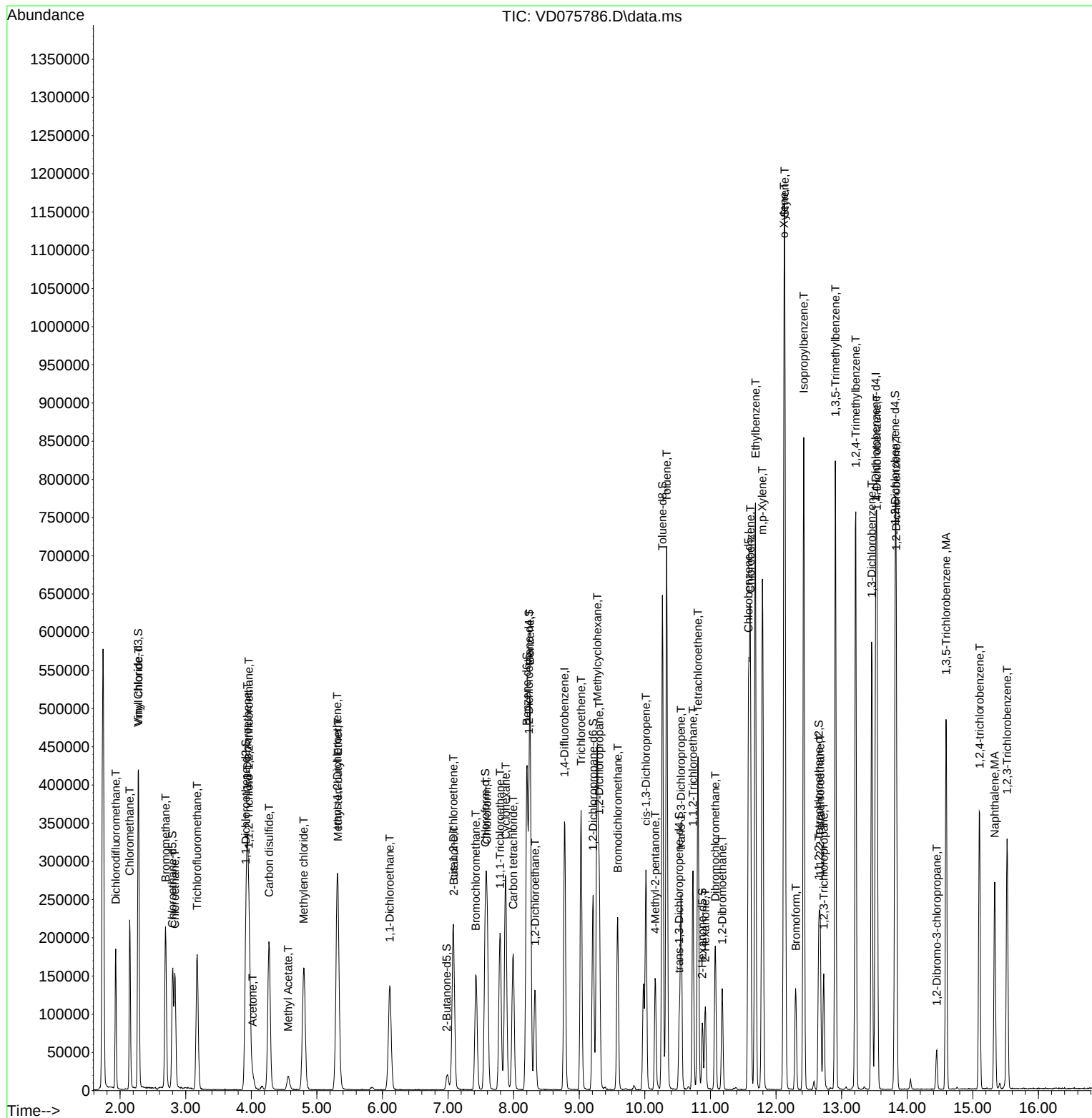
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	117125	26.665	ug/L	99
29) Cyclohexane	7.881	56	148788	26.634	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	174654	25.296	ug/L	99
31) Carbon tetrachloride	7.993	117	142266	25.683	ug/L	96
33) Benzene	8.252	78	514111	26.045	ug/L	100
34) Trichloroethene	9.028	95	129602	25.389	ug/L	96
35) Methylcyclohexane	9.275	83	209465	26.615	ug/L	99
37) 1,2-Dichloropropane	9.304	63	118707	26.180	ug/L	99
38) Bromodichloromethane	9.587	83	158429	25.914	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	184604	25.600	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	86716	52.455	ug/L	98
42) Toluene	10.334	91	575143	26.925	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	149018	25.724	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	99234	25.725	ug/L	99
46) Tetrachloroethene	10.810	164	106271	25.382	ug/L	97
48) 2-Hexanone	10.922	43	62015	53.212	ug/L	95
49) Dibromochloromethane	11.075	129	106126	25.272	ug/L	96
50) 1,2-Dibromoethane	11.181	107	88549	25.462	ug/L	97
51) Chlorobenzene	11.610	112	361935	25.900	ug/L	98
52) Ethylbenzene	11.687	91	581697	26.556	ug/L	99
53) m,p-Xylene	11.793	106	239138	27.418	ug/L	100
54) o-Xylene	12.122	106	227007	27.402	ug/L	99
55) Styrene	12.134	104	405516	28.124	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	103020	26.248	ug/L #	96
59) Bromoform	12.304	173	62480	25.108	ug/L	99
60) Isopropylbenzene	12.422	105	573213	26.625	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	64627	25.338	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	444045	27.660	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	427971	27.655	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	268182	26.034	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	276482	25.574	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	239536	26.039	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	13019	25.533	ug/L	92
69) 1,3,5-Trichlorobenzene	14.592	180	160158	23.196	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	126615	22.129	ug/L	99
71) Naphthalene	15.334	128	248682	23.750	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	119238	23.346	ug/L	99

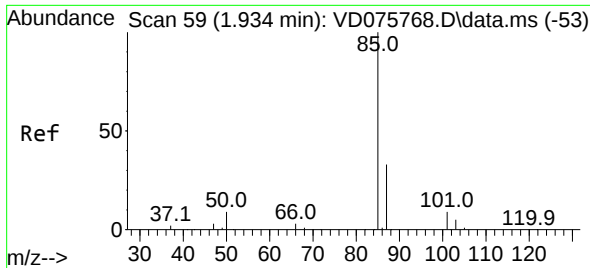
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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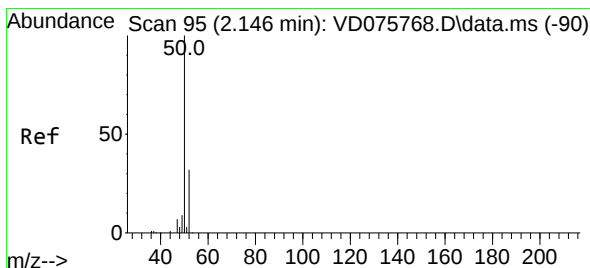
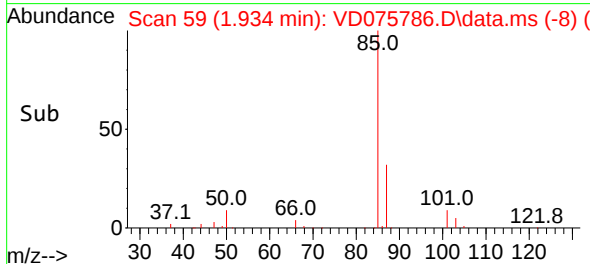
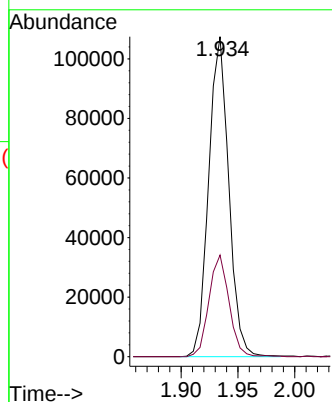
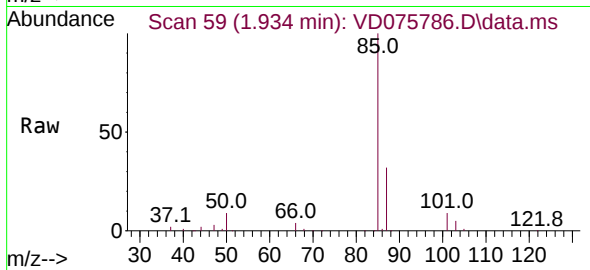




#2
 Dichlorodifluoromethane
 Concen: 27.240 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

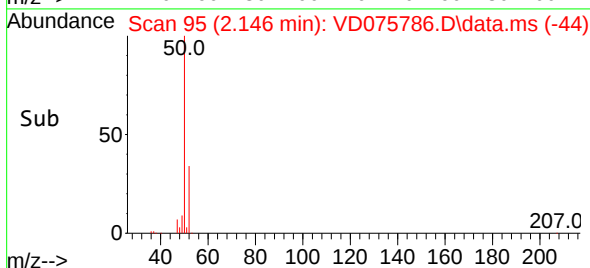
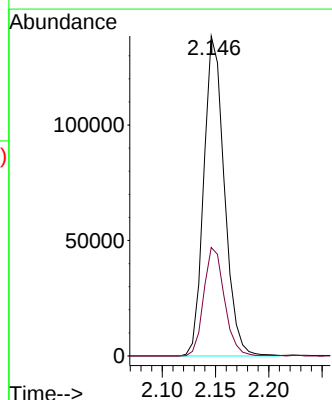
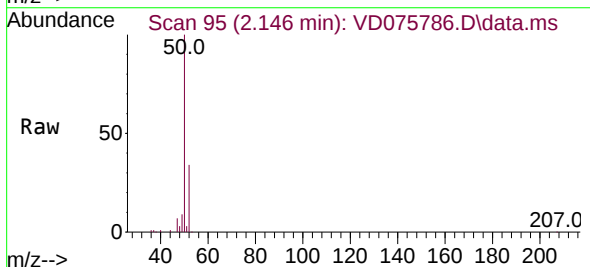
Instrument :
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 ClientSampleId :
 VSTD025129

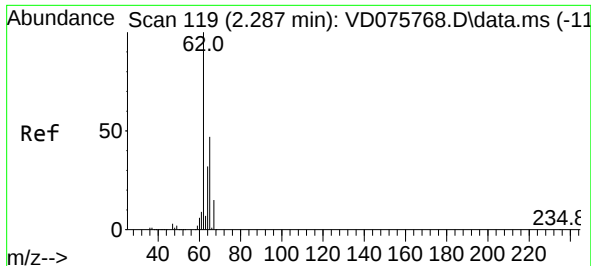
Tgt Ion: 85 Resp: 132013
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.8 38.8



#3
 Chloromethane
 Concen: 27.623 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion: 50 Resp: 186619
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.7 44.1

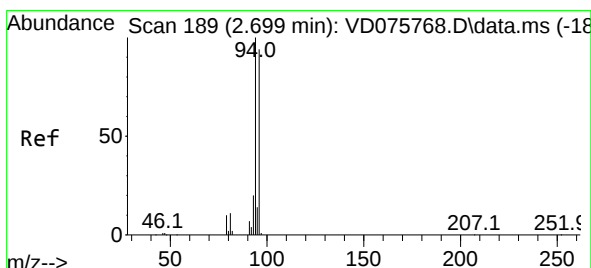
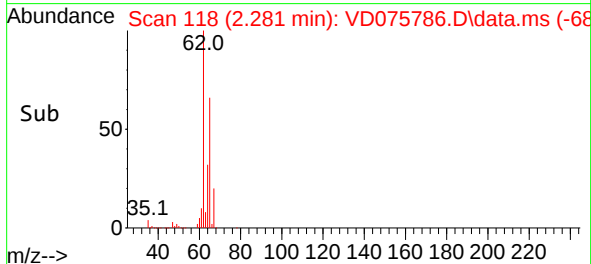
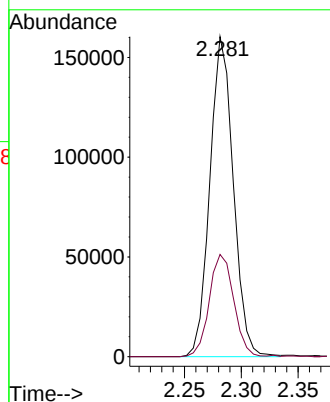
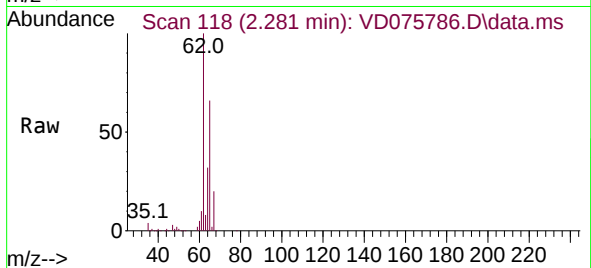




#5
 Vinyl chloride
 Concen: 26.101 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

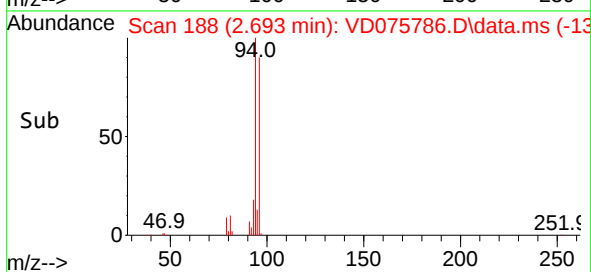
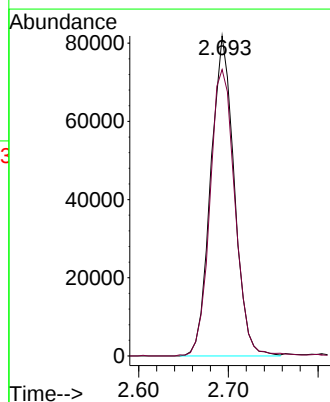
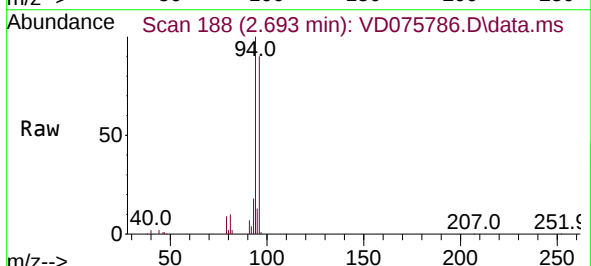
Instrument :
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 ClientSampleId :
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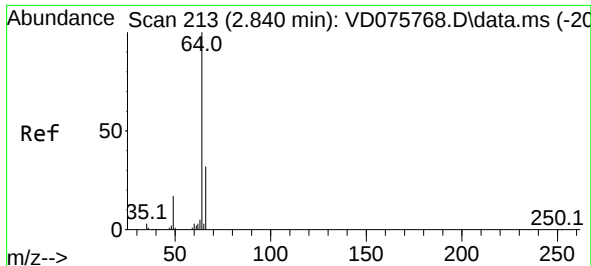
Tgt Ion: 62 Resp: 230463
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.2 43.0



#6
 Bromomethane
 Concen: 25.036 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion: 94 Resp: 148539
 Ion Ratio Lower Upper
 94 100
 96 89.5 65.7 121.9

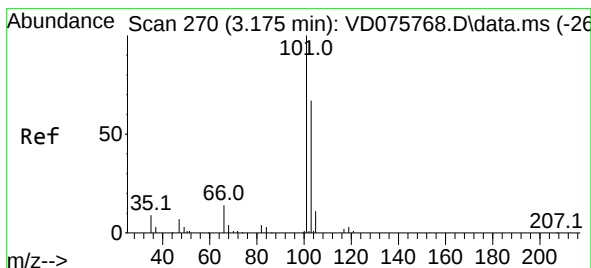
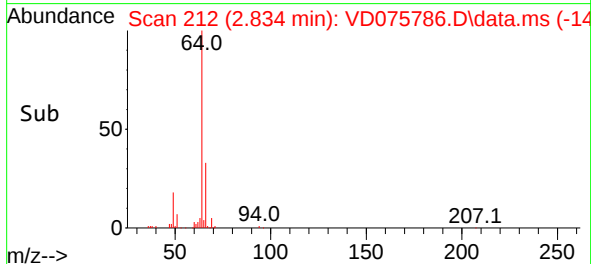
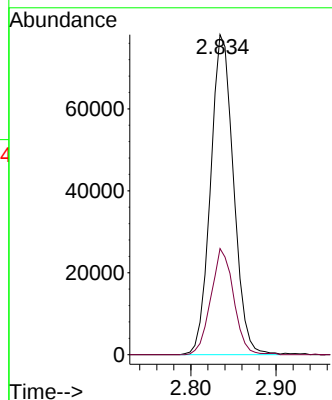
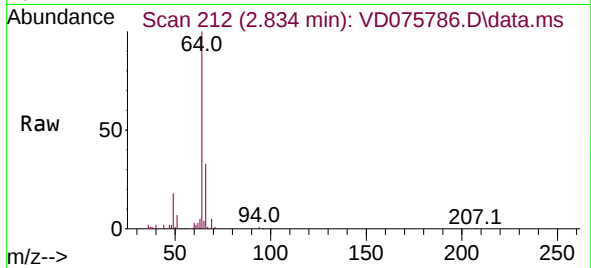




#8
Chloroethane
Concen: 25.673 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

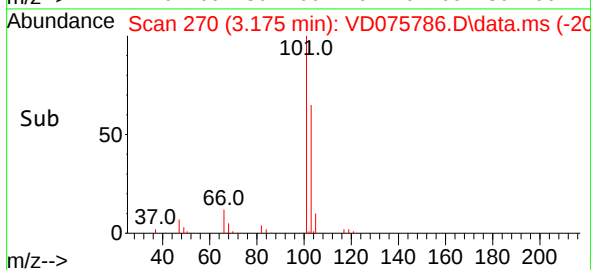
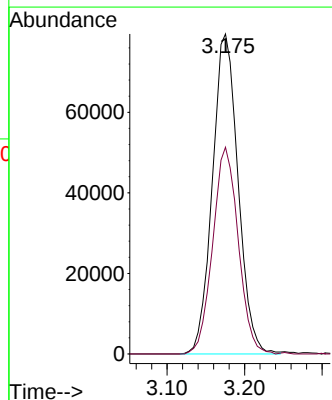
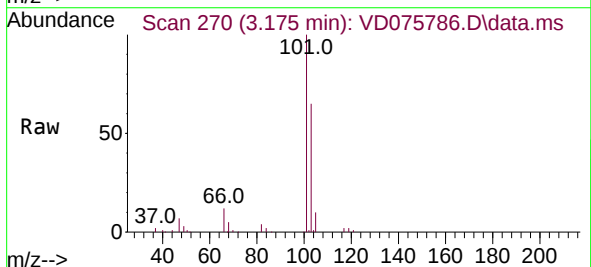
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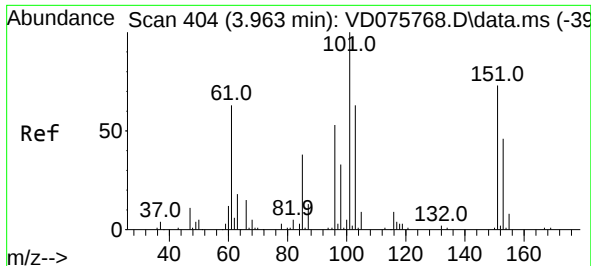
Tgt Ion: 64 Resp: 146603
Ion Ratio Lower Upper
64 100
66 33.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 25.789 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 101 Resp: 182956
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.4

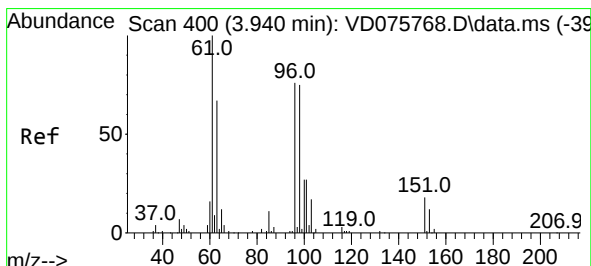
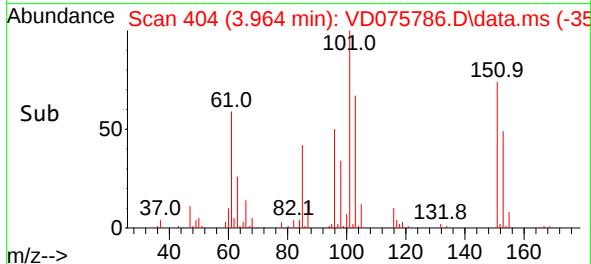
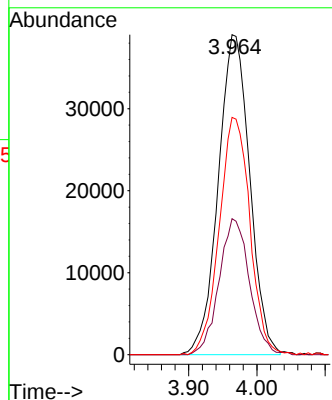
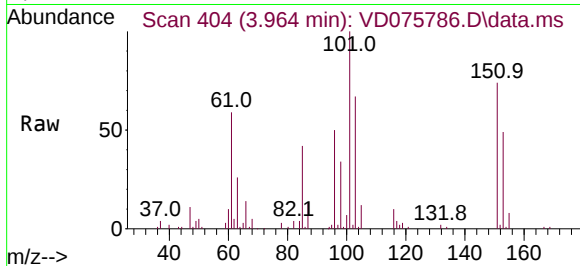




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.311 ug/L
 RT: 3.964 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

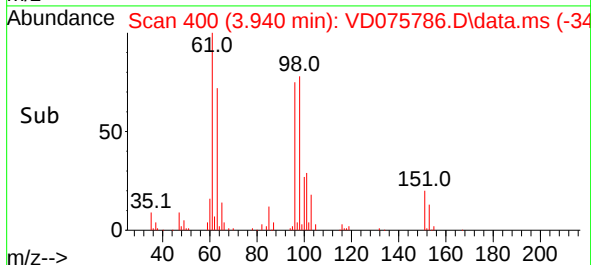
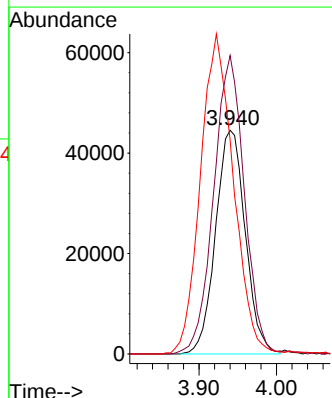
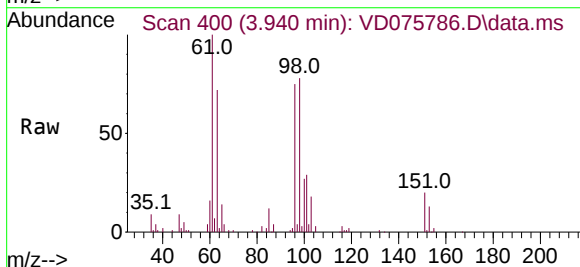
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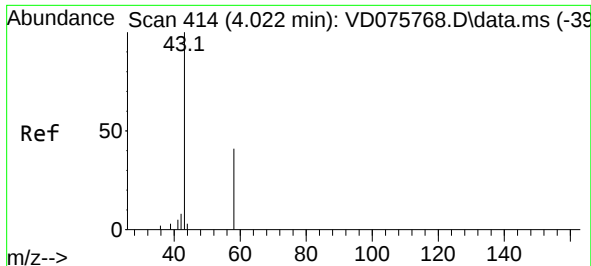
Tgt Ion:101 Resp: 125401
 Ion Ratio Lower Upper
 101 100
 85 40.9 32.9 49.3
 151 71.9 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 25.644 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion: 96 Resp: 118533
 Ion Ratio Lower Upper
 96 100
 61 133.4 92.6 172.0
 63 95.7 77.4 143.8





#13

Acetone

Concen: 48.334 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

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Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

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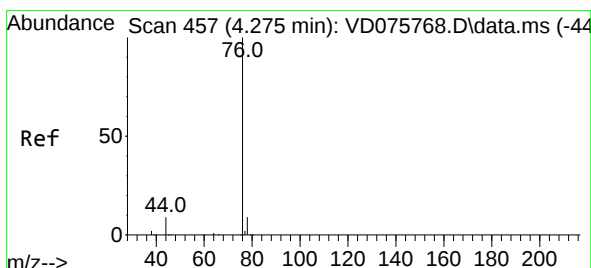
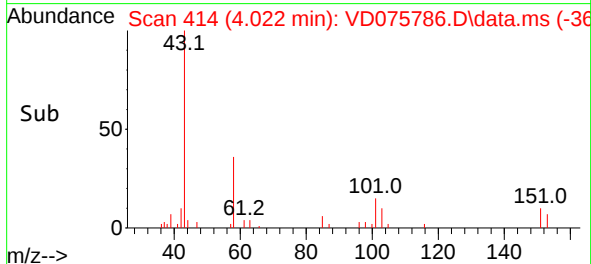
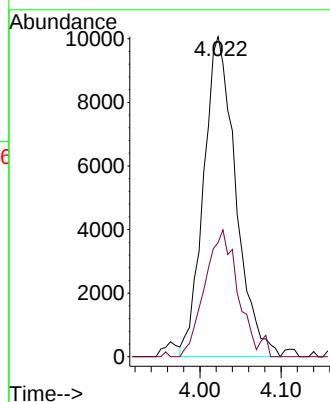
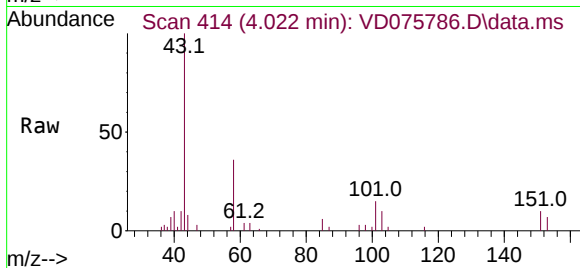
VSTD025129

Tgt Ion: 43 Resp: 27692

Ion Ratio Lower Upper

43 100

58 39.9 0.0 87.4



#14

Carbon disulfide

Concen: 25.882 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075786.D

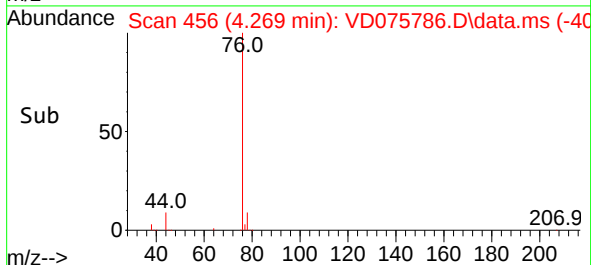
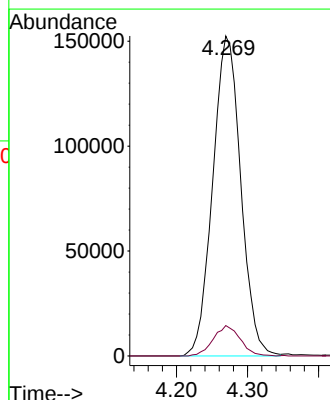
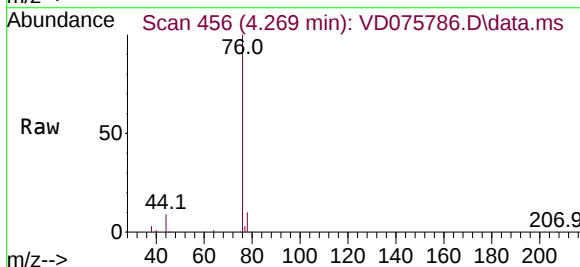
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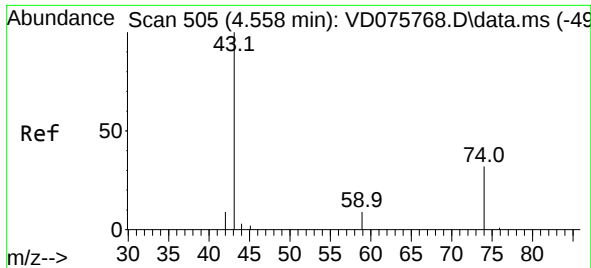
Tgt Ion: 76 Resp: 417862

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

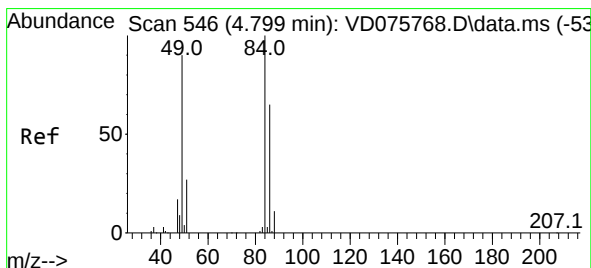
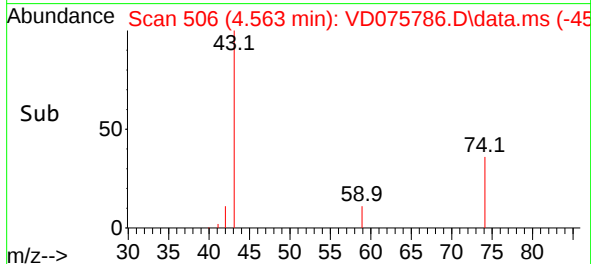
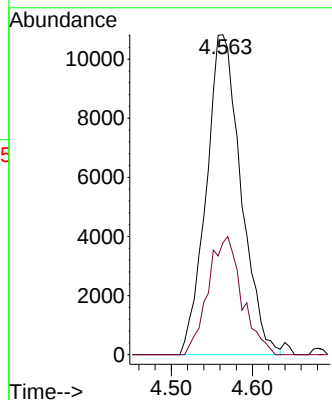
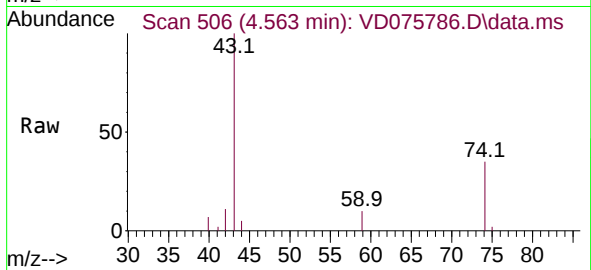




#15
Methyl Acetate
Concen: 25.935 ug/L
RT: 4.563 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

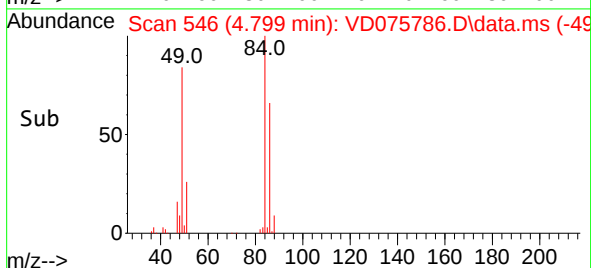
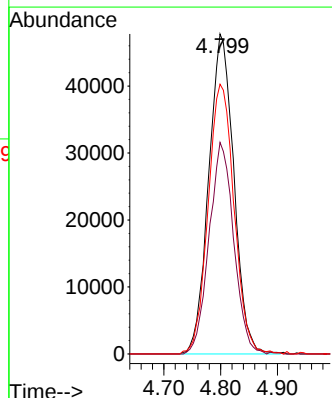
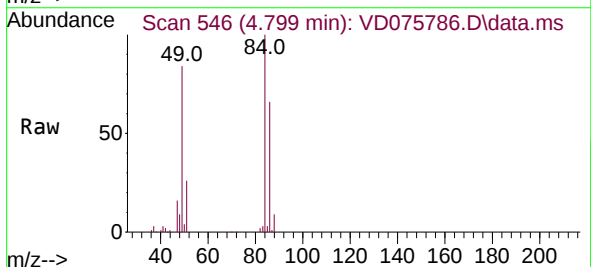
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

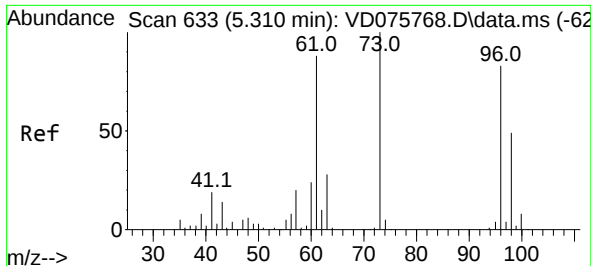
Tgt Ion: 43 Resp: 32203
Ion Ratio Lower Upper
43 100
74 35.9 12.8 19.2#



#16
Methylene chloride
Concen: 20.570 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 84 Resp: 146696
Ion Ratio Lower Upper
84 100
86 66.1 45.8 85.2
49 84.3 60.8 112.8





#17

trans-1,2-Dichloroethene

Concen: 25.988 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

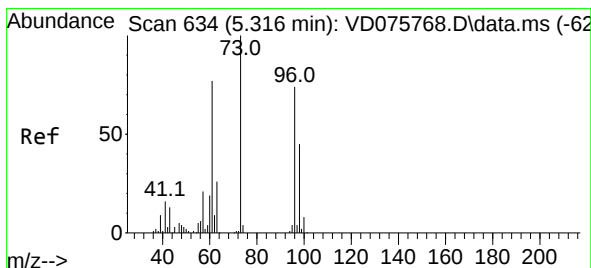
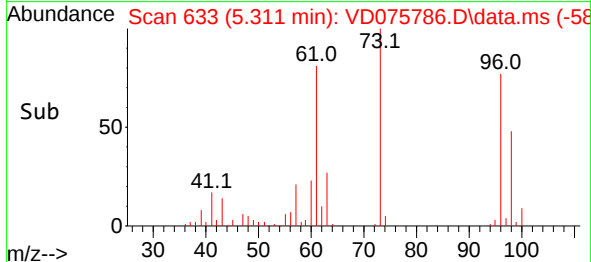
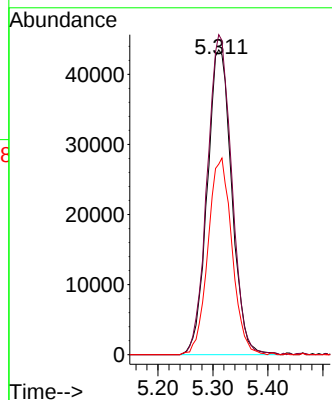
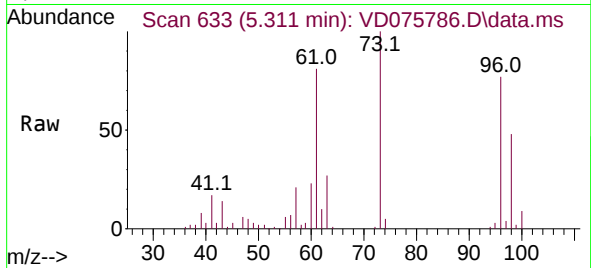
Tgt Ion: 96 Resp: 134696

Ion Ratio Lower Upper

96 100

61 105.0 72.9 135.5

98 62.5 43.0 79.8



#18

Methyl tert-butyl Ether

Concen: 25.622 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.006 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

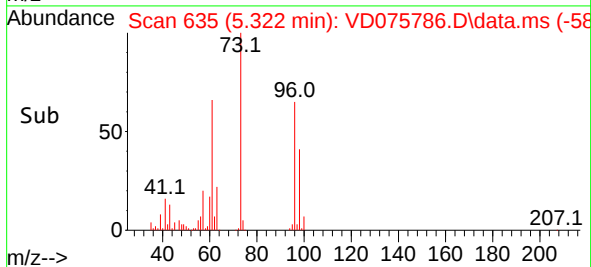
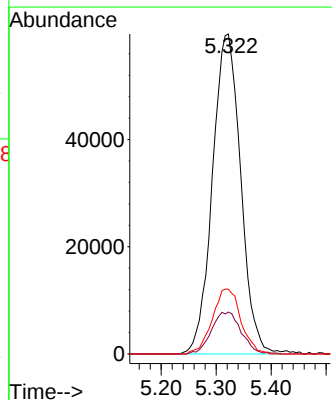
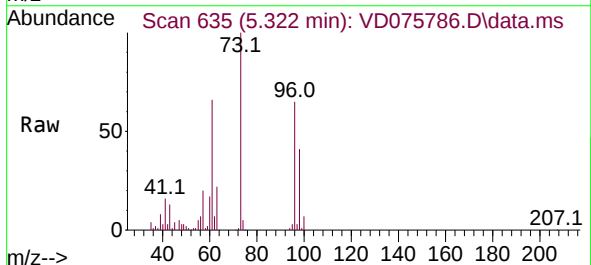
Tgt Ion: 73 Resp: 213017

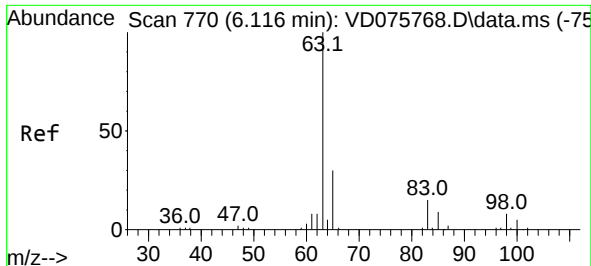
Ion Ratio Lower Upper

73 100

43 13.6 11.3 16.9

57 20.5 16.3 24.5





#19

1,1-Dichloroethane

Concen: 26.013 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

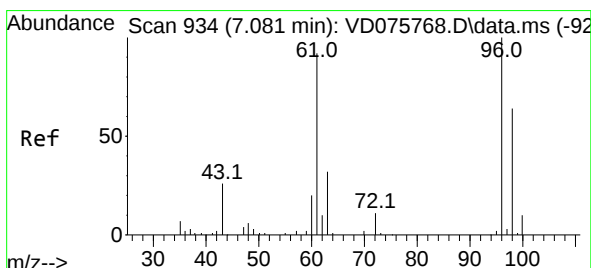
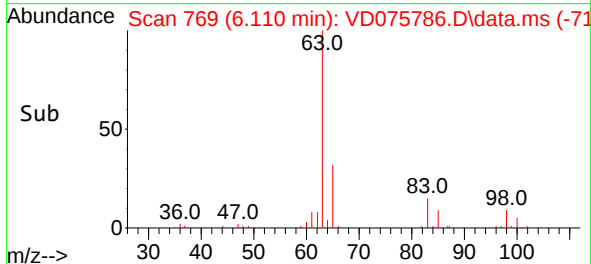
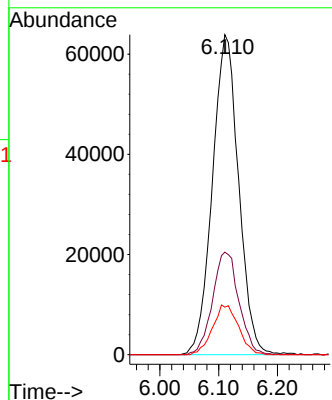
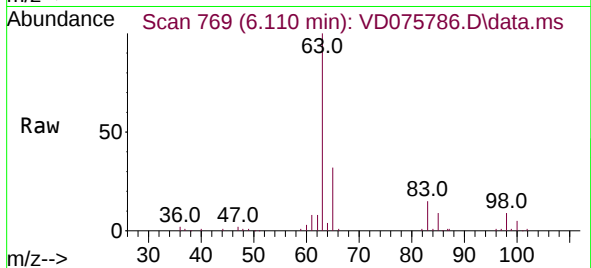
Tgt Ion: 63 Resp: 197511

Ion Ratio Lower Upper

63 100

65 32.0 22.8 42.4

83 14.9 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 25.769 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

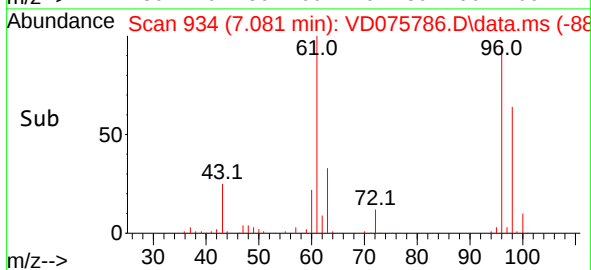
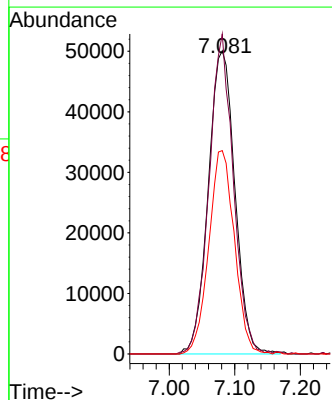
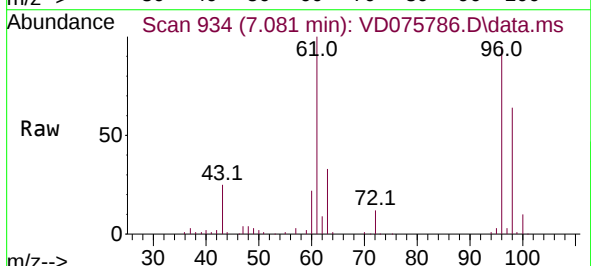
Tgt Ion: 96 Resp: 141225

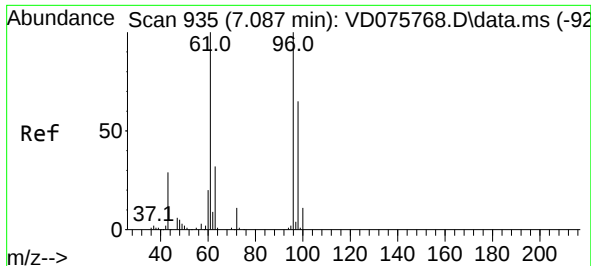
Ion Ratio Lower Upper

96 100

61 105.6 67.5 125.3

98 67.1 47.5 88.1

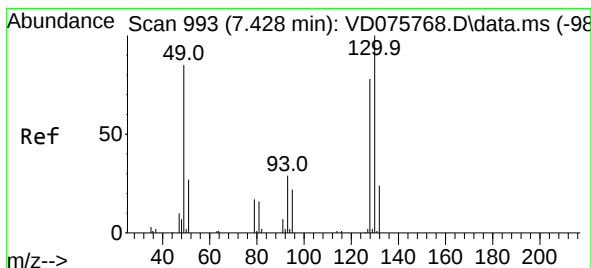
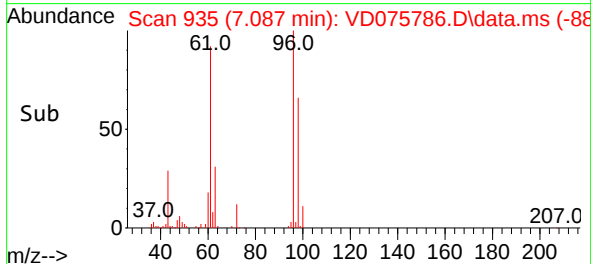
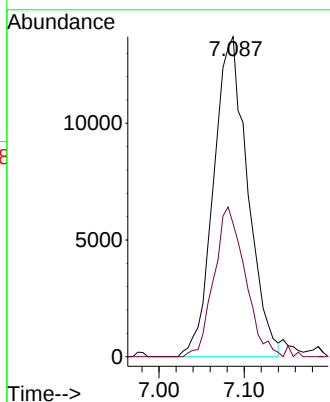
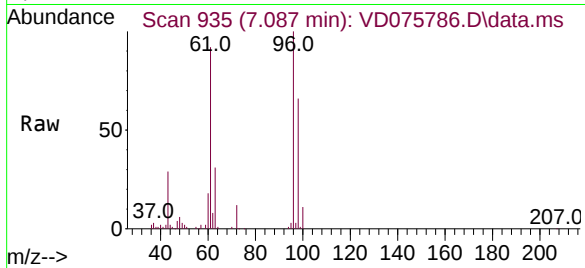




#22
2-Butanone
Concen: 50.872 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

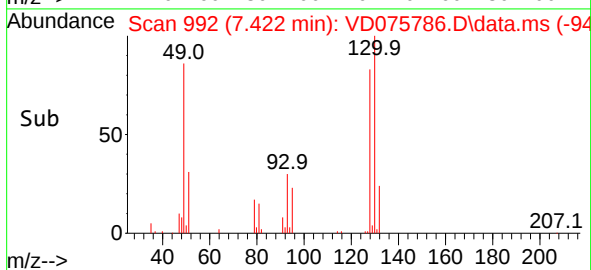
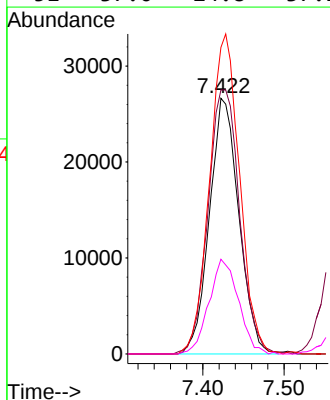
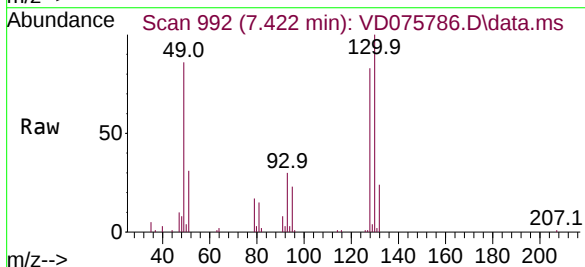
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

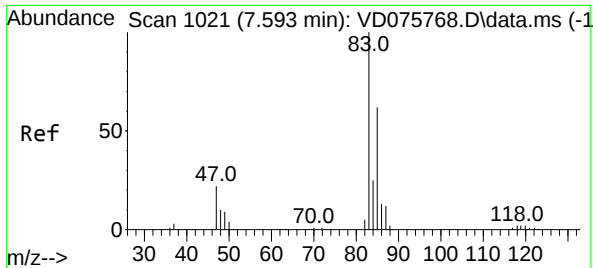
Tgt Ion: 43 Resp: 37998
Ion Ratio Lower Upper
43 100
72 42.8 20.5 61.5



#23
Bromochloromethane
Concen: 26.394 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 128 Resp: 67083
Ion Ratio Lower Upper
128 100
49 103.2 76.4 142.0
130 119.9 93.5 173.7
51 37.0 24.8 37.2

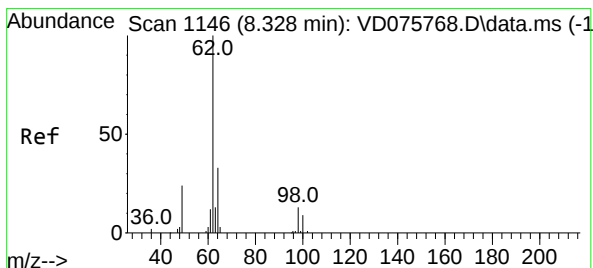
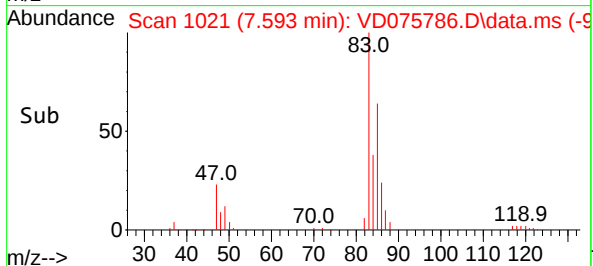
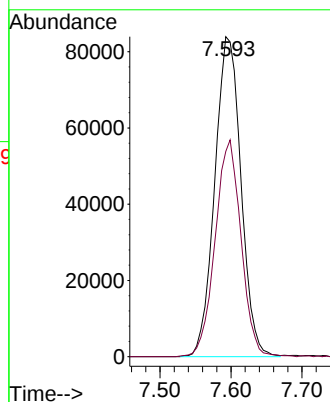
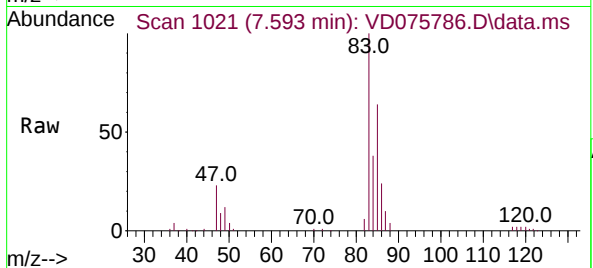




#25
Chloroform
Concen: 25.280 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

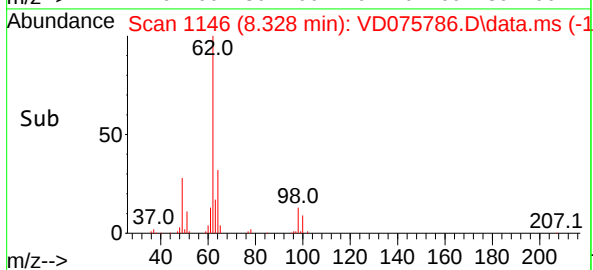
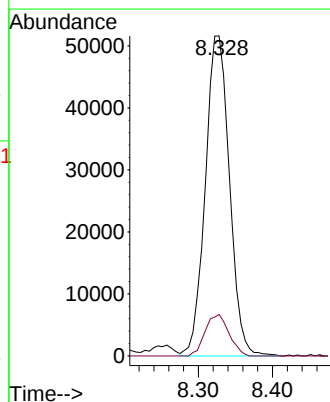
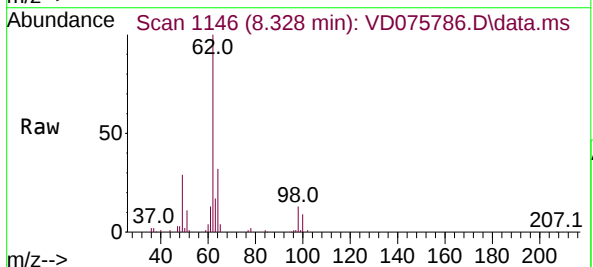
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

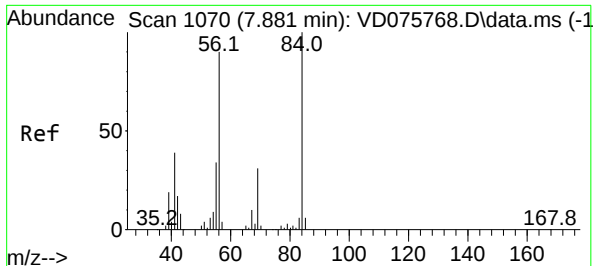
Tgt Ion: 83 Resp: 215120
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 26.665 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 62 Resp: 117125
Ion Ratio Lower Upper
62 100
98 12.9 10.2 15.2





#29

Cyclohexane

Concen: 26.634 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

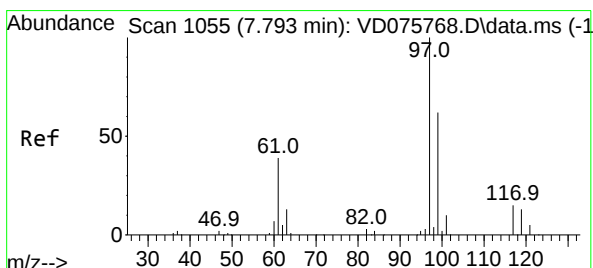
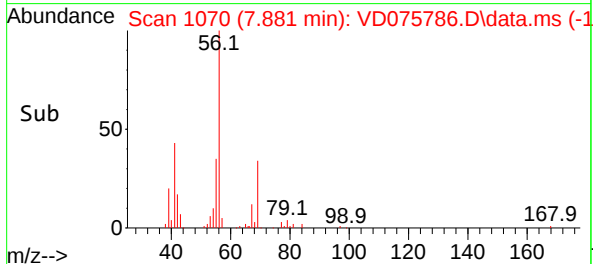
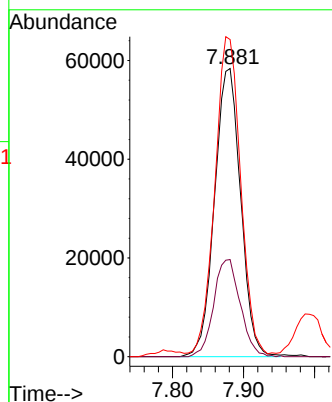
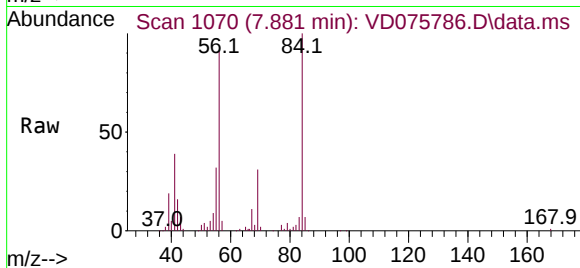
Tgt Ion: 56 Resp: 148788

Ion Ratio Lower Upper

56 100

69 34.2 28.2 42.2

84 108.7 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 25.296 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

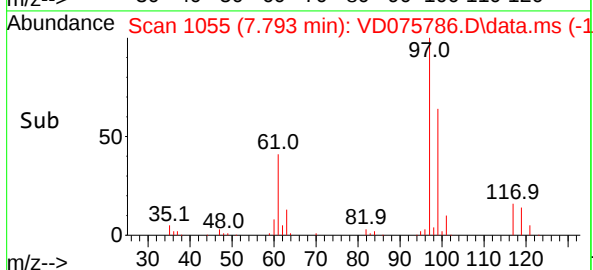
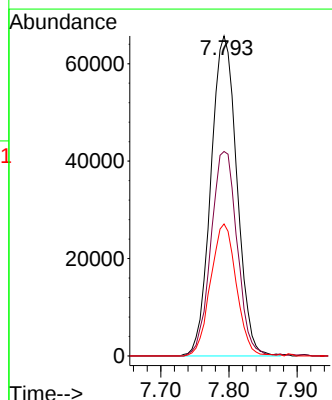
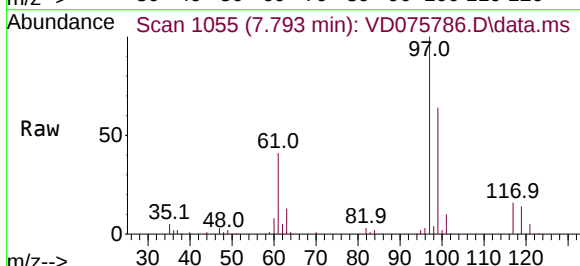
Tgt Ion: 97 Resp: 174654

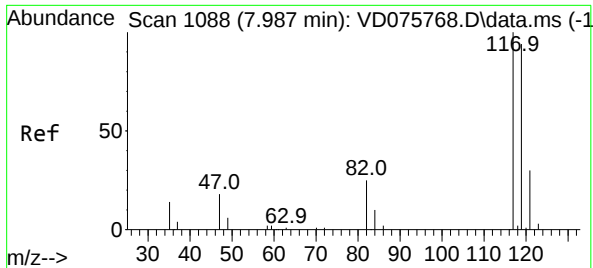
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 40.8 32.1 48.1

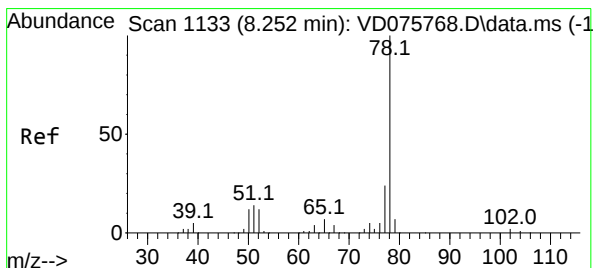
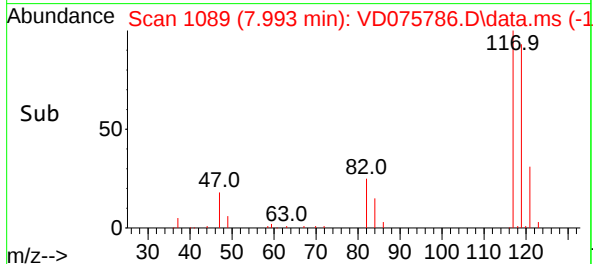
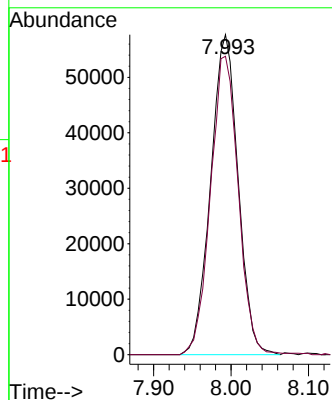
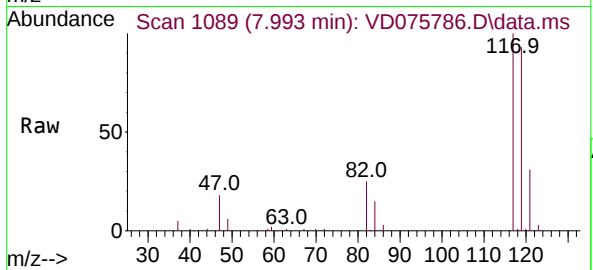




#31
Carbon tetrachloride
Concen: 25.683 ug/L
RT: 7.993 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

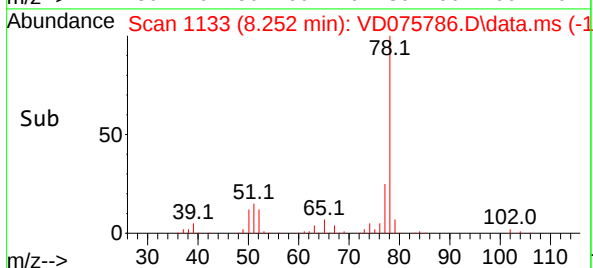
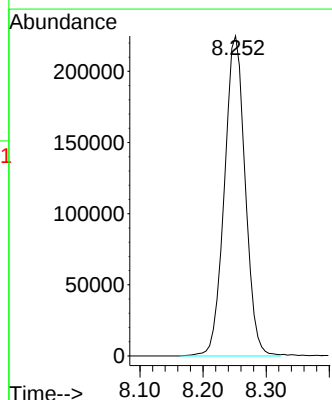
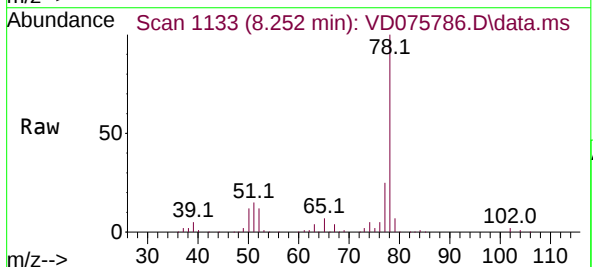
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

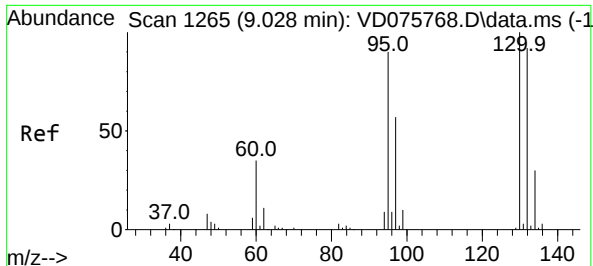
Tgt Ion:117 Resp: 142266
Ion Ratio Lower Upper
117 100
119 93.9 78.2 117.4



#33
Benzene
Concen: 26.045 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 78 Resp: 514111

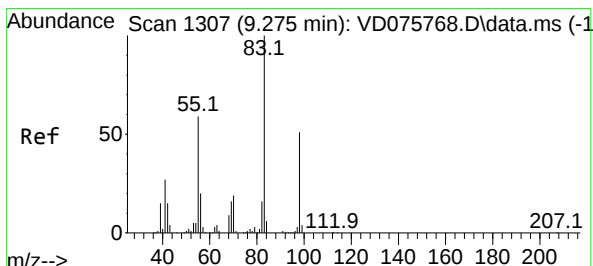
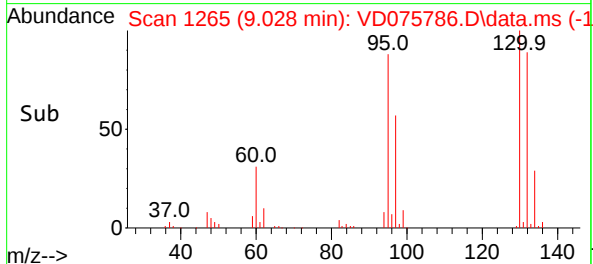
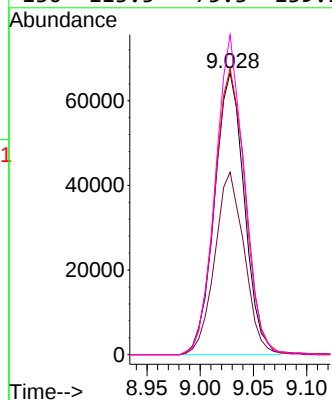
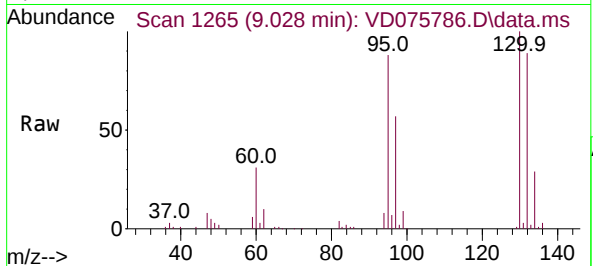




#34
Trichloroethene
Concen: 25.389 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

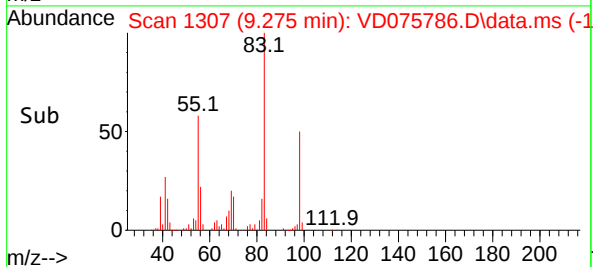
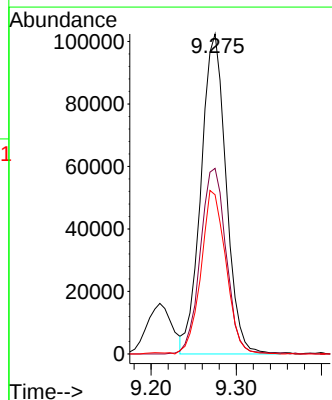
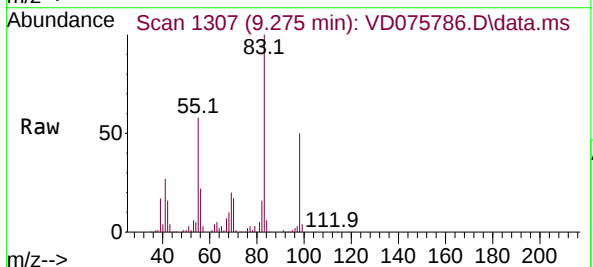
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

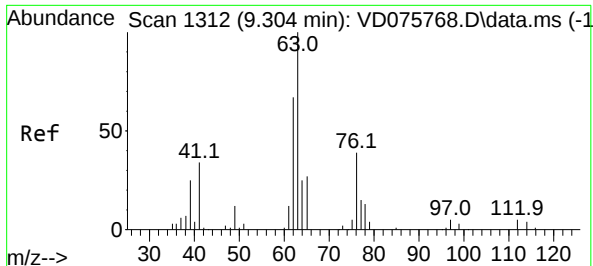
Tgt Ion: 95 Resp: 129602
Ion Ratio Lower Upper
95 100
97 64.7 46.0 85.4
132 101.4 73.3 136.1
130 113.5 75.3 139.9



#35
Methylcyclohexane
Concen: 26.615 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 83 Resp: 209465
Ion Ratio Lower Upper
83 100
55 59.6 48.2 72.2
98 50.7 40.8 61.2





#37

1,2-Dichloropropane

Concen: 26.180 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

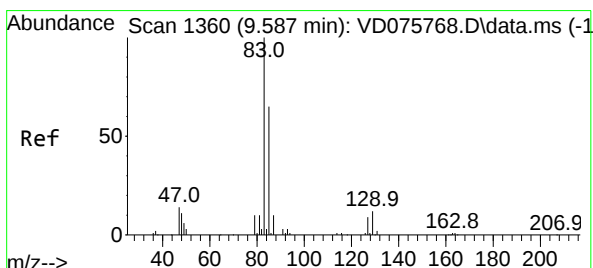
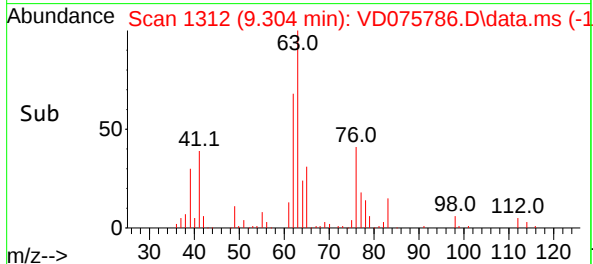
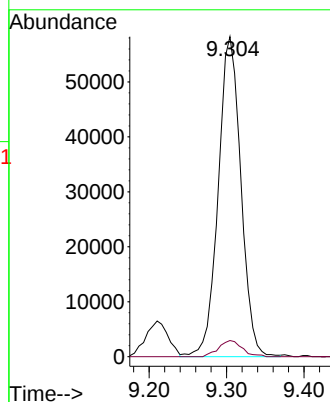
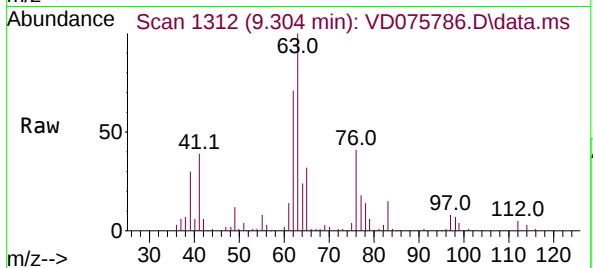
VSTD025129

Tgt Ion: 63 Resp: 118707

Ion Ratio Lower Upper

63 100

112 5.2 4.0 6.0



#38

Bromodichloromethane

Concen: 25.914 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

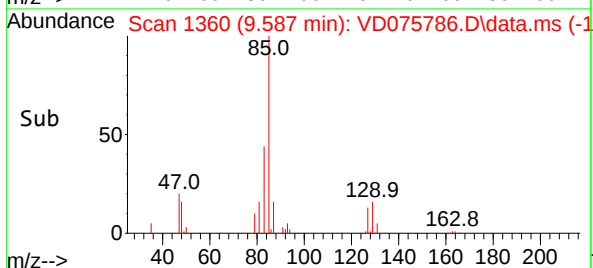
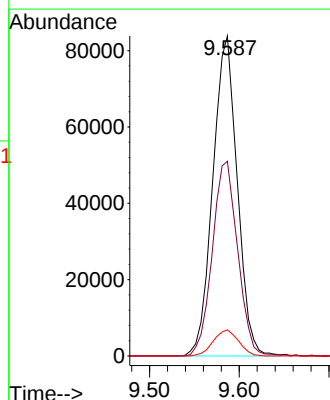
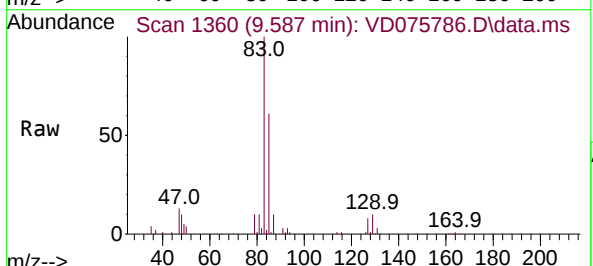
Tgt Ion: 83 Resp: 158429

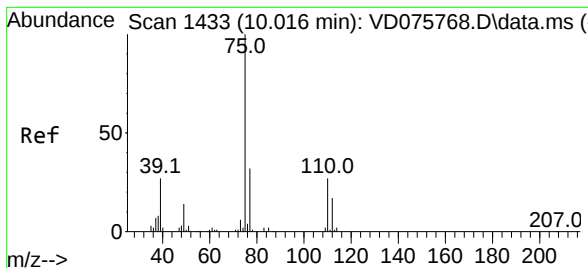
Ion Ratio Lower Upper

83 100

85 60.9 44.2 82.2

127 8.1 6.3 9.5

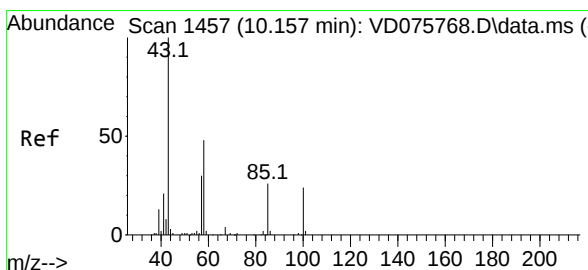
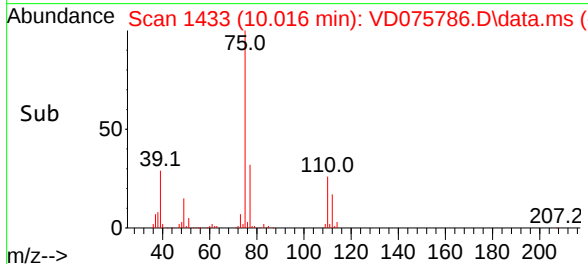
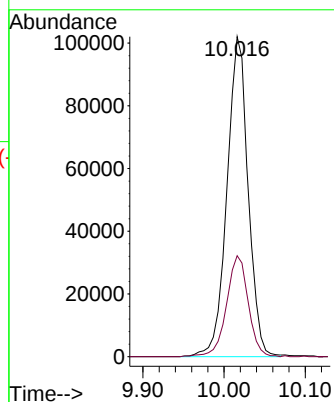
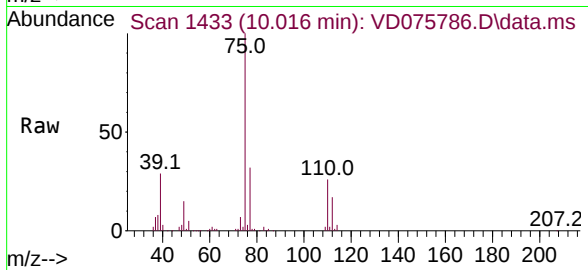




#39
 cis-1,3-Dichloropropene
 Concen: 25.600 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

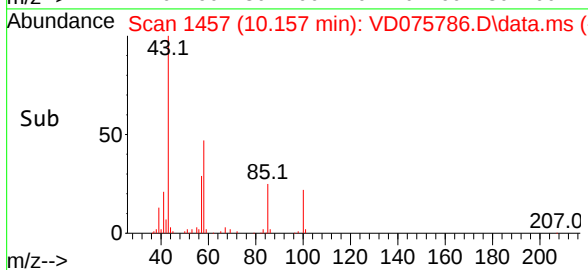
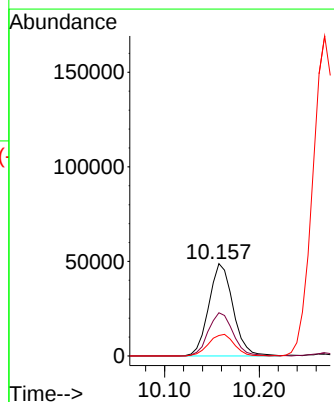
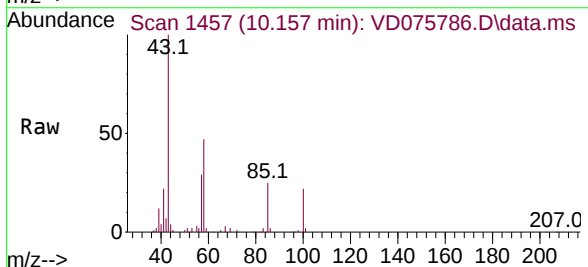
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025129

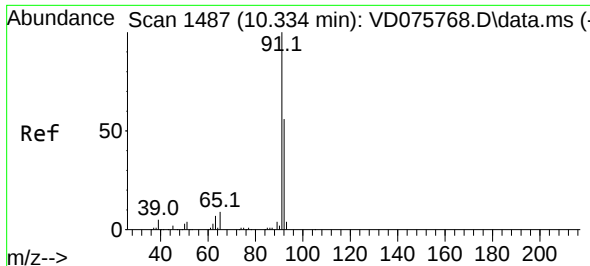
Tgt Ion: 75 Resp: 184604
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.4 43.6



#40
 4-Methyl-2-pentanone
 Concen: 52.455 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion: 43 Resp: 86716
 Ion Ratio Lower Upper
 43 100
 58 47.6 39.1 58.7
 100 24.7 19.4 29.0





#42

Toluene

Concen: 26.925 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

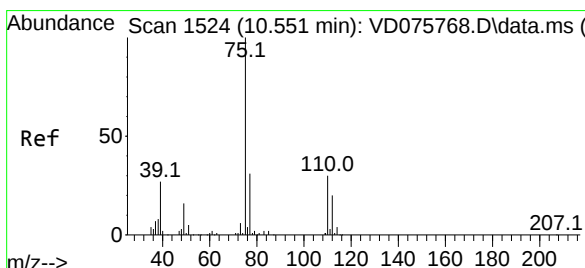
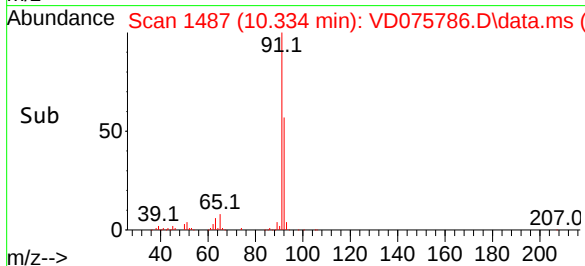
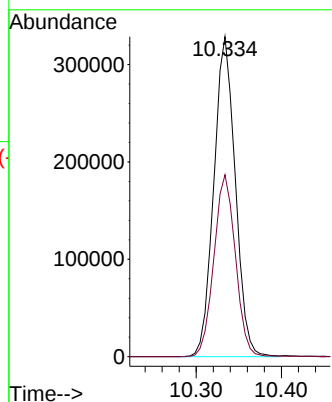
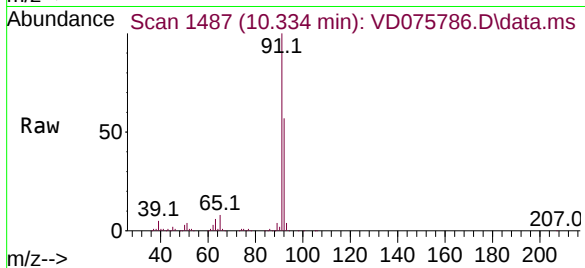
VSTD025129

Tgt Ion: 91 Resp: 575143

Ion Ratio Lower Upper

91 100

92 56.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 25.724 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD075786.D

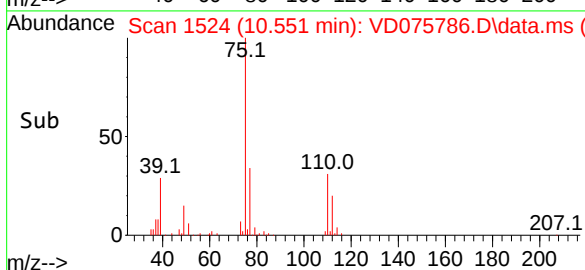
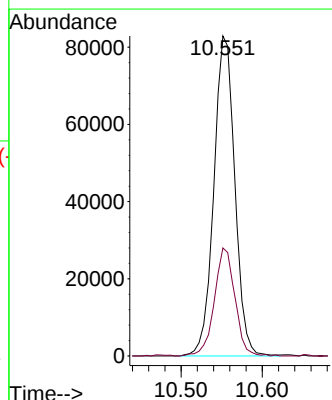
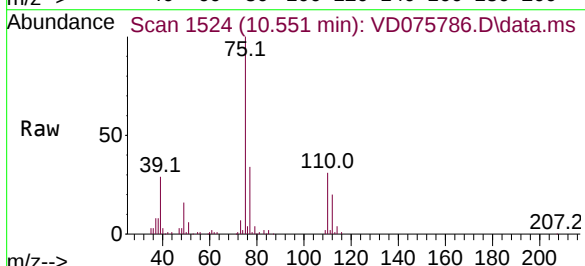
Acq: 21 Apr 2023 20:21

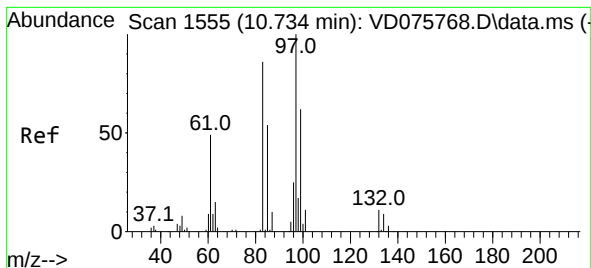
Tgt Ion: 75 Resp: 149018

Ion Ratio Lower Upper

75 100

77 33.8 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 25.725 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

Tgt Ion: 97 Resp: 99234

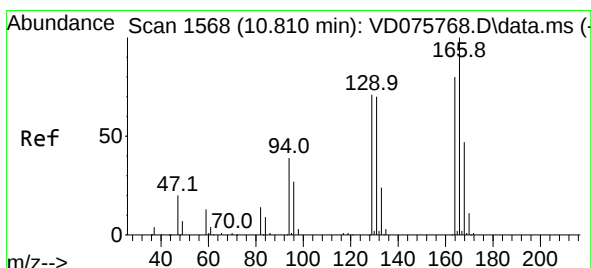
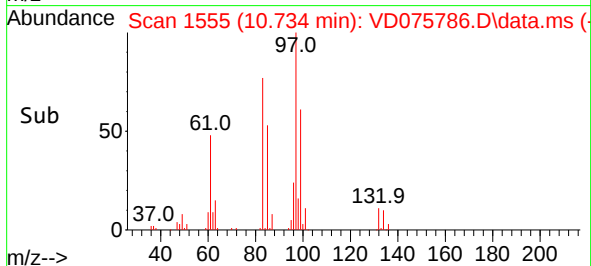
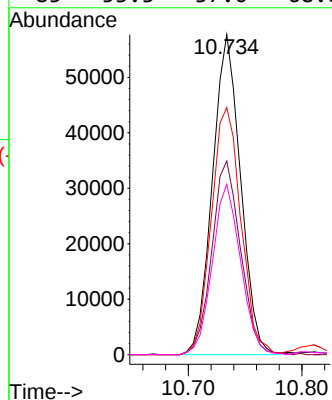
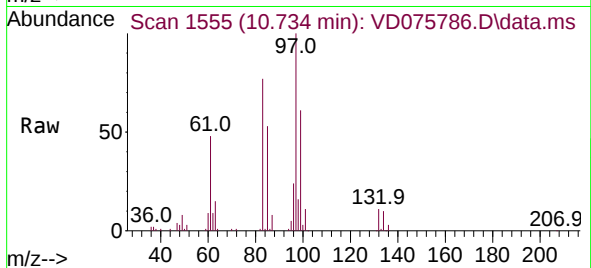
Ion Ratio Lower Upper

97 100

99 60.6 42.2 78.4

83 77.2 54.8 101.8

85 53.3 37.0 68.8



#46

Tetrachloroethene

Concen: 25.382 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Tgt Ion:164 Resp: 106271

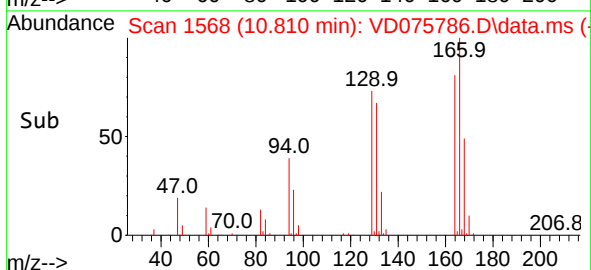
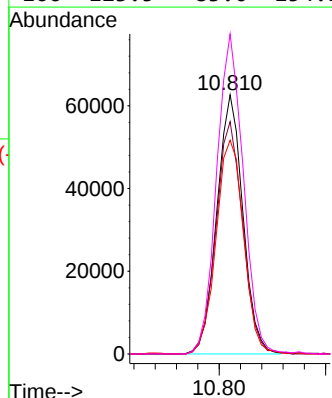
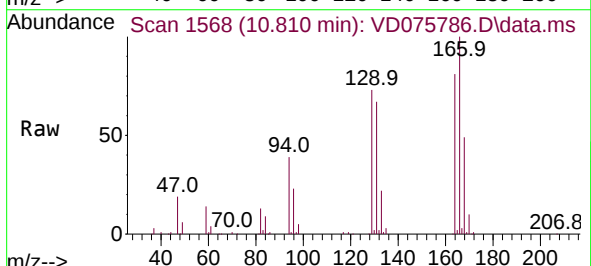
Ion Ratio Lower Upper

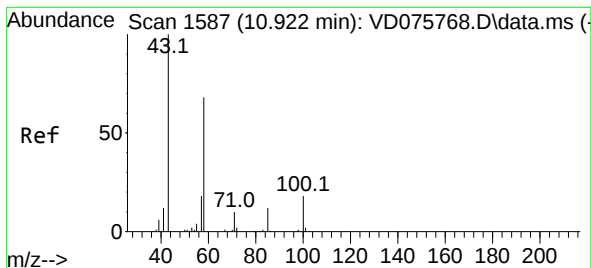
164 100

129 89.7 60.3 112.1

131 82.5 58.9 109.3

166 123.5 83.0 154.1





#48

2-Hexanone

Concen: 53.212 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

Tgt Ion: 43 Resp: 62015

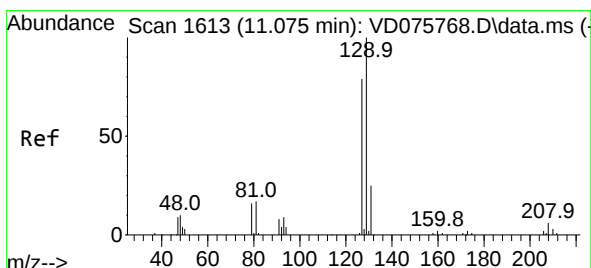
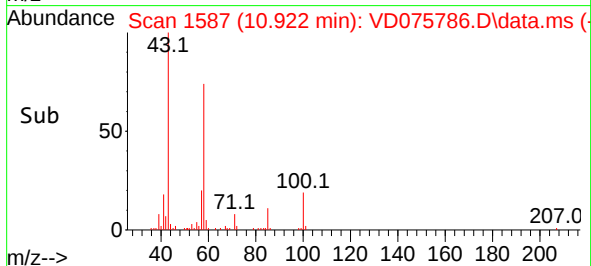
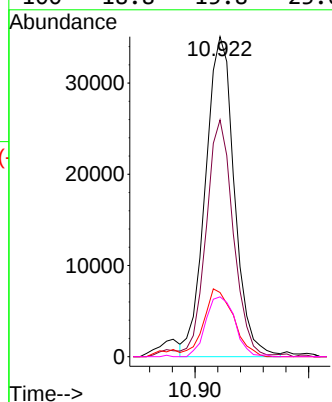
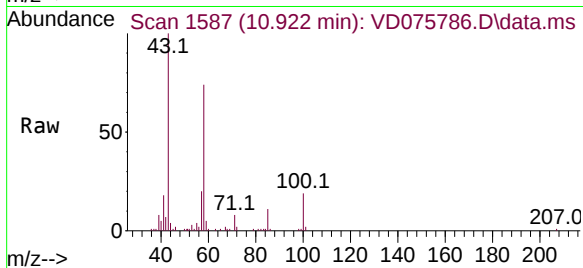
Ion Ratio Lower Upper

43 100

58 69.3 59.7 89.5

57 21.8 17.9 26.9

100 18.8 15.8 23.6



#49

Dibromochloromethane

Concen: 25.272 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075786.D

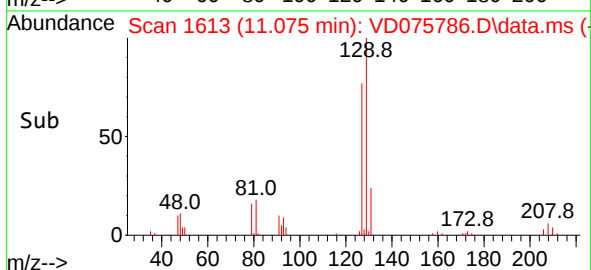
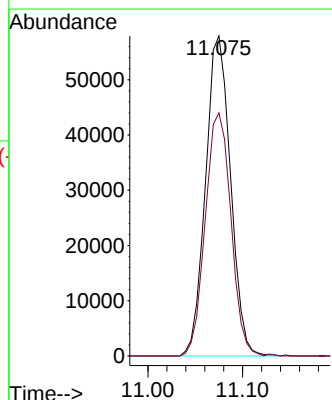
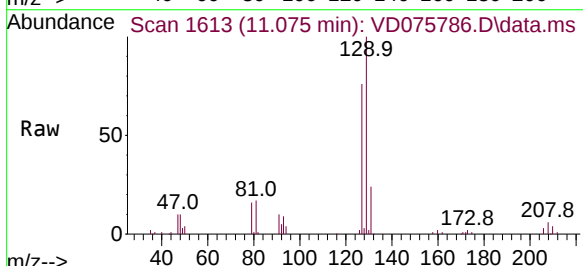
Acq: 21 Apr 2023 20:21

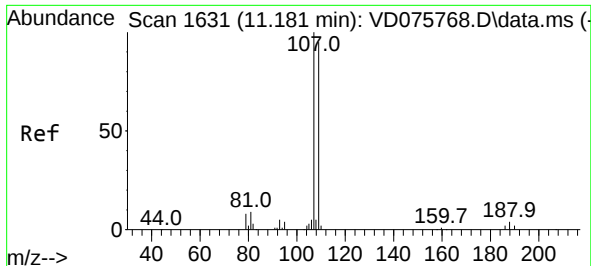
Tgt Ion: 129 Resp: 106126

Ion Ratio Lower Upper

129 100

127 76.0 55.6 103.4

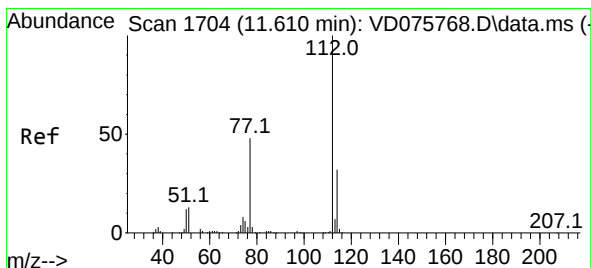
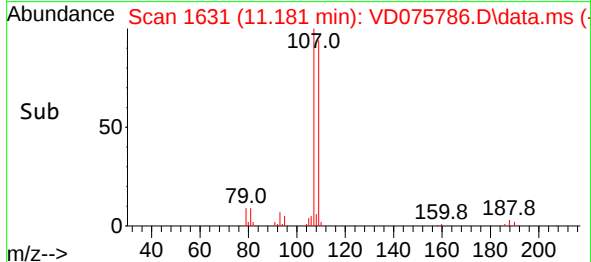
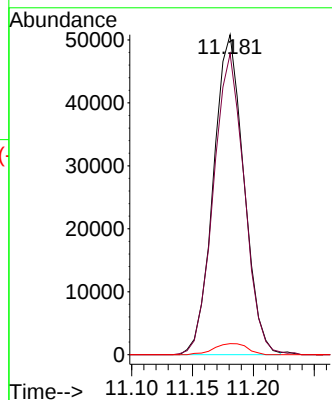
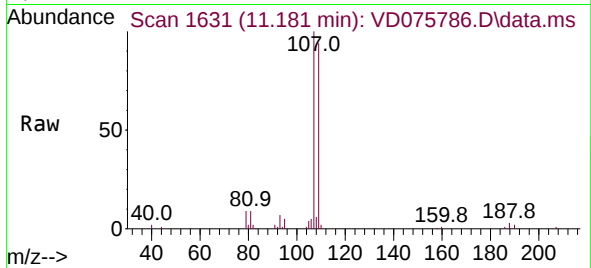




#50
1,2-Dibromoethane
Concen: 25.462 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

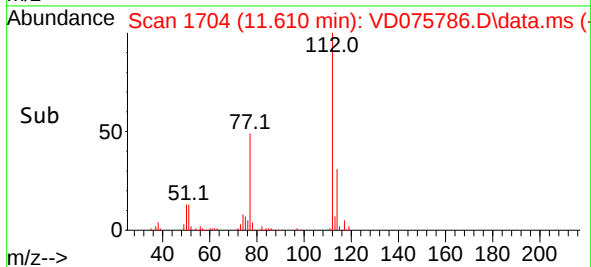
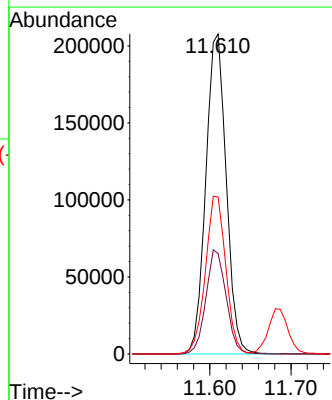
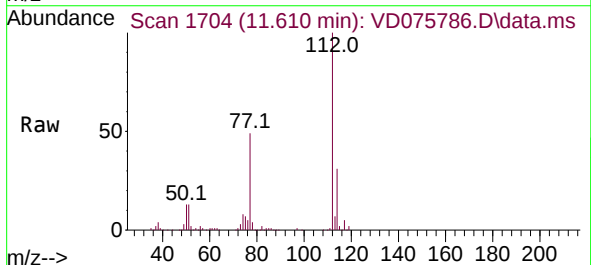
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

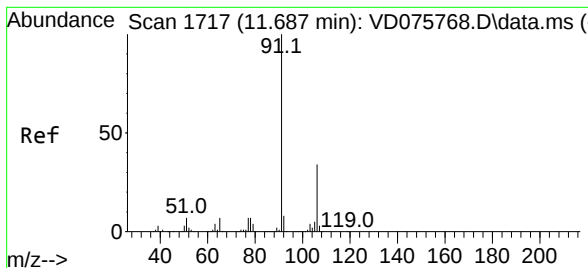
Tgt Ion:107 Resp: 88549
Ion Ratio Lower Upper
107 100
109 94.0 67.6 125.6
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 25.900 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion:112 Resp: 361935
Ion Ratio Lower Upper
112 100
114 31.4 23.0 42.8
77 49.1 39.7 59.5

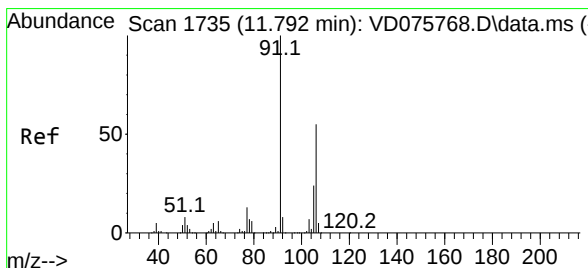
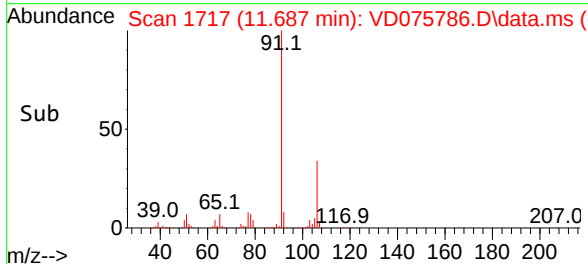
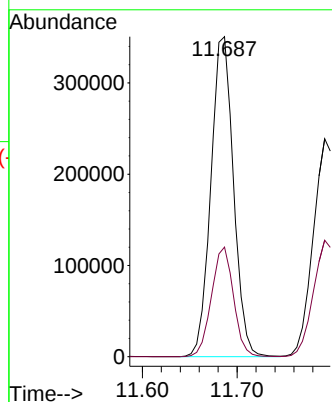
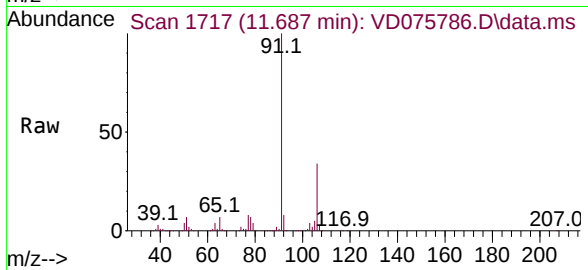




#52
Ethylbenzene
Concen: 26.556 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

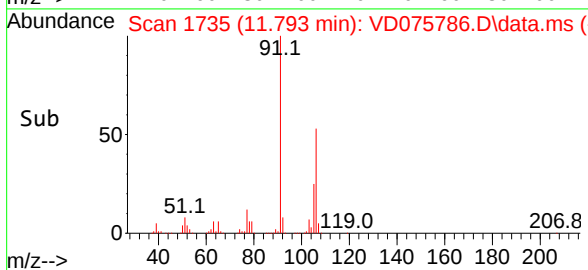
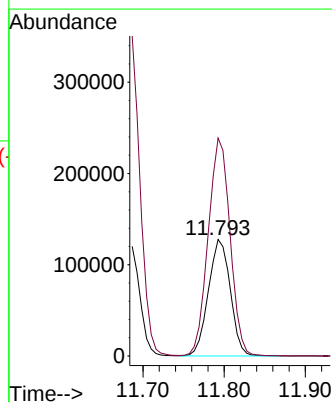
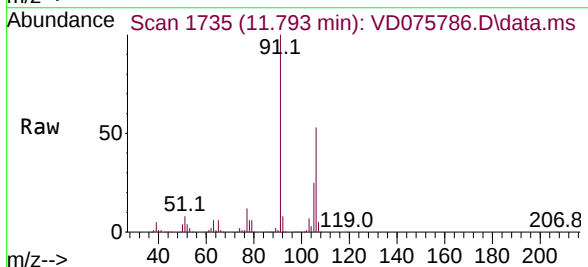
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

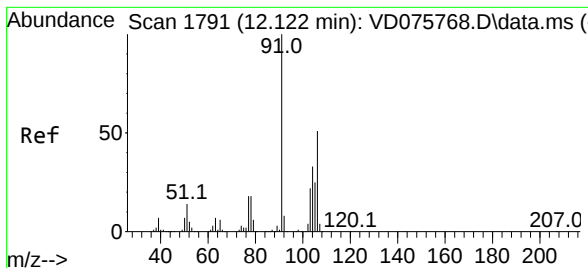
Tgt Ion: 91 Resp: 581697
Ion Ratio Lower Upper
91 100
106 34.3 23.7 43.9



#53
m,p-Xylene
Concen: 27.418 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion: 106 Resp: 239138
Ion Ratio Lower Upper
106 100
91 187.1 130.9 243.1

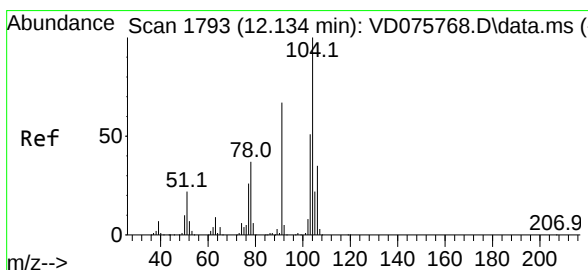
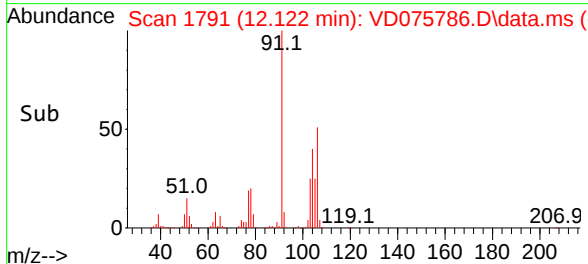
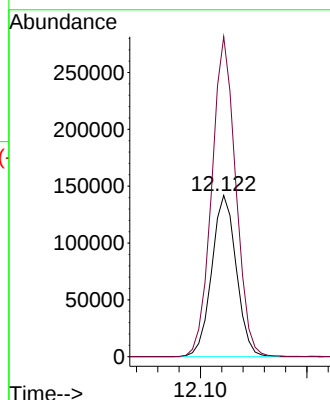
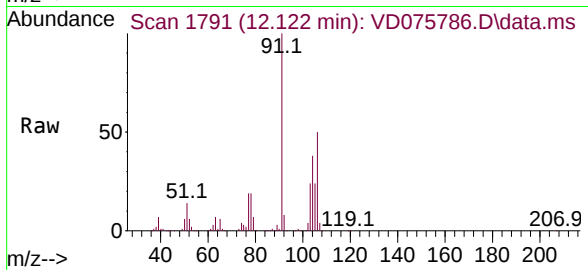




#54
o-Xylene
Concen: 27.402 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

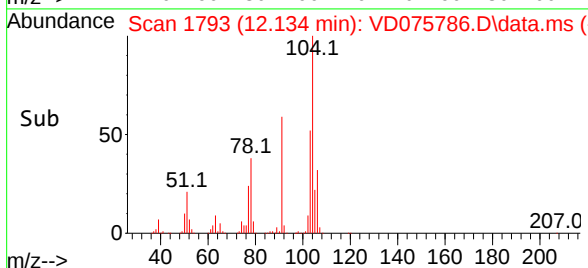
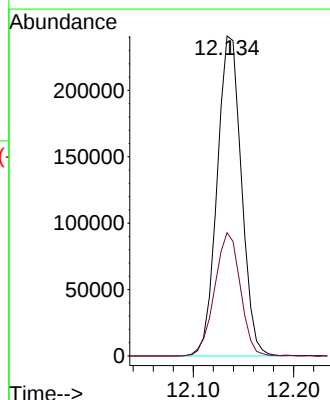
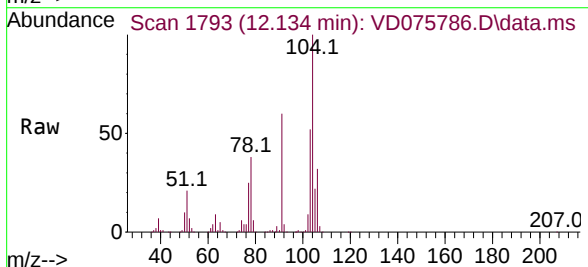
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

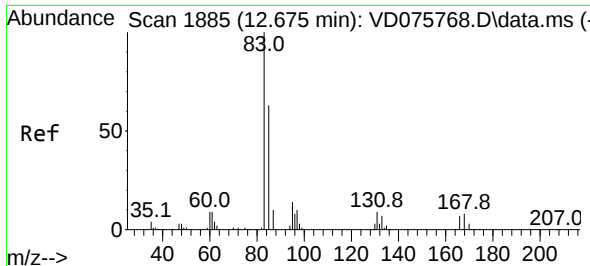
Tgt Ion:106 Resp: 227007
Ion Ratio Lower Upper
106 100
91 198.4 139.8 259.6



#55
Styrene
Concen: 28.124 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion:104 Resp: 405516
Ion Ratio Lower Upper
104 100
78 38.5 26.2 48.6

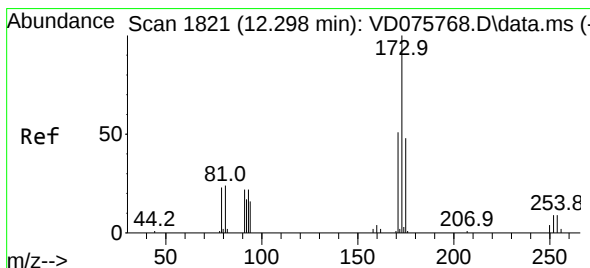
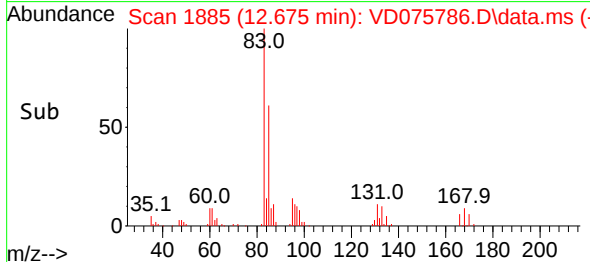
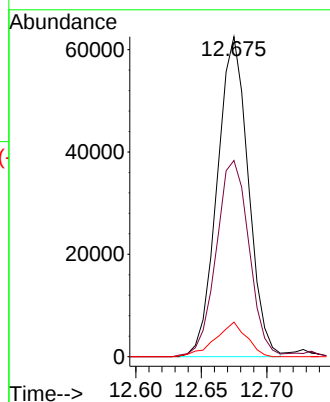
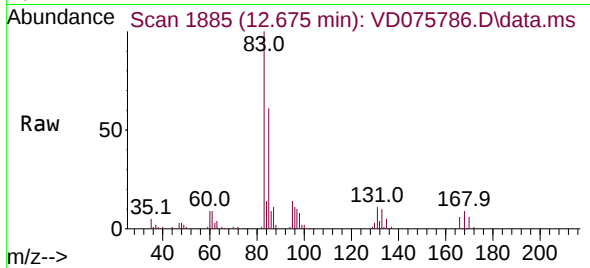




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.248 ug/L
 RT: 12.675 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

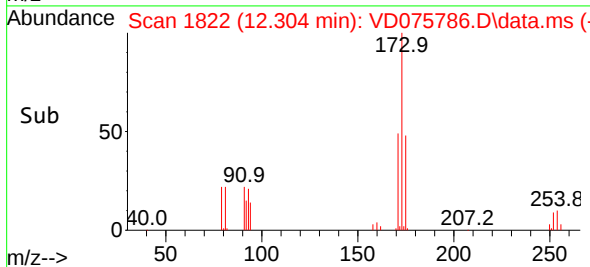
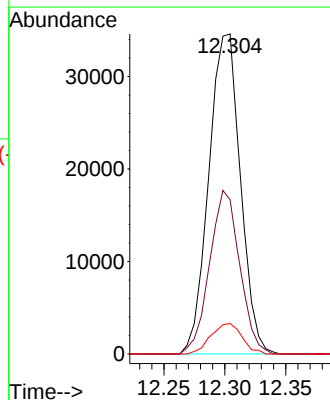
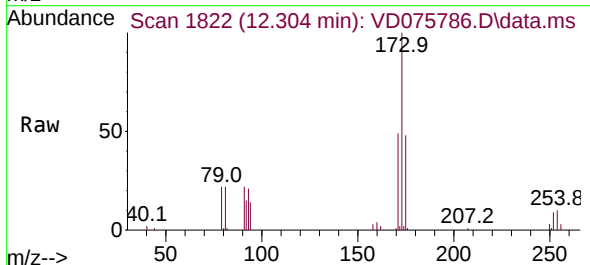
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025129

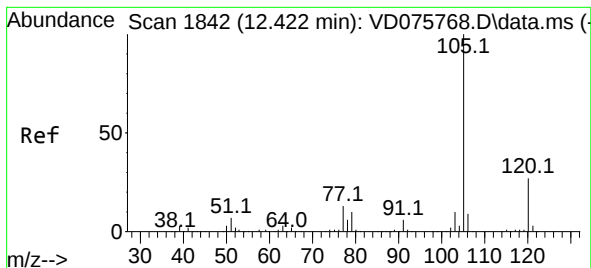
Tgt Ion: 83 Resp: 103020
 Ion Ratio Lower Upper
 83 100
 85 61.3 45.1 83.7
 131 10.8 7.0 10.6#



#59
 Bromoform
 Concen: 25.108 ug/L
 RT: 12.304 min Scan# 1822
 Delta R.T. 0.006 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion: 173 Resp: 62480
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.4 59.0
 254 9.4 7.4 11.2





#60

Isopropylbenzene

Concen: 26.625 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

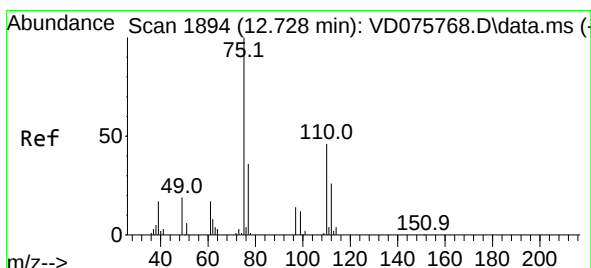
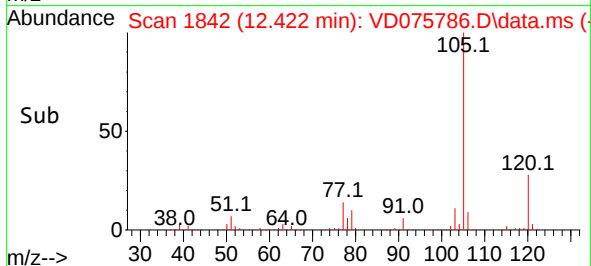
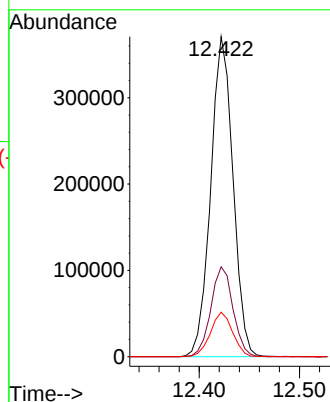
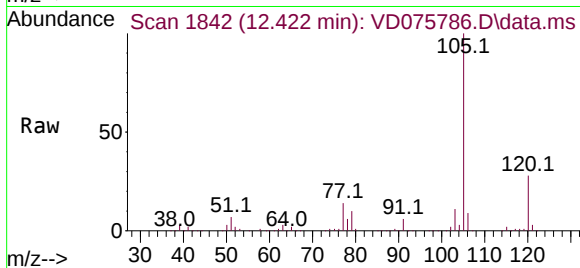
Tgt Ion:105 Resp: 573213

Ion Ratio Lower Upper

105 100

120 27.9 22.7 34.1

77 13.8 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 25.338 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

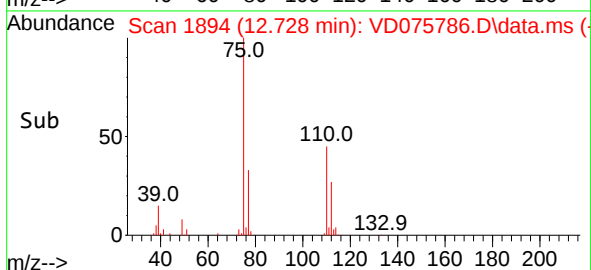
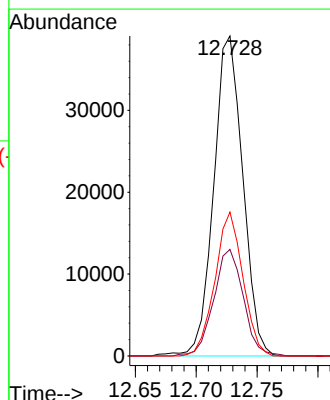
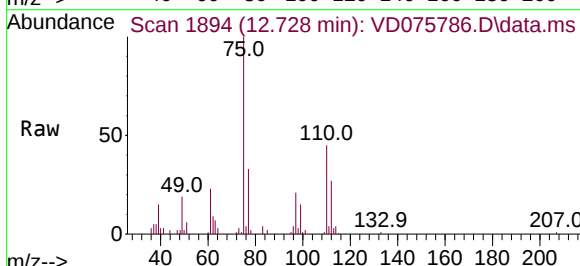
Tgt Ion: 75 Resp: 64627

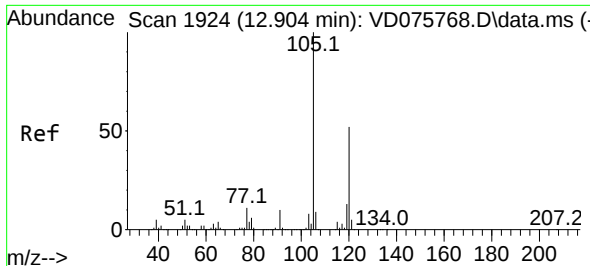
Ion Ratio Lower Upper

75 100

77 34.0 26.6 39.8

110 43.5 33.5 50.3

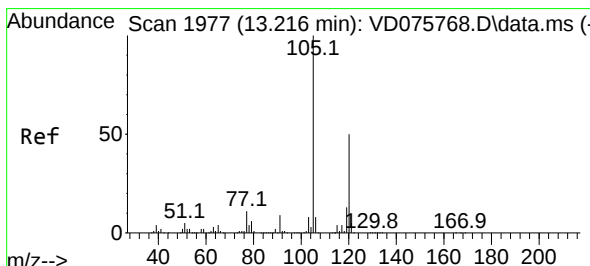
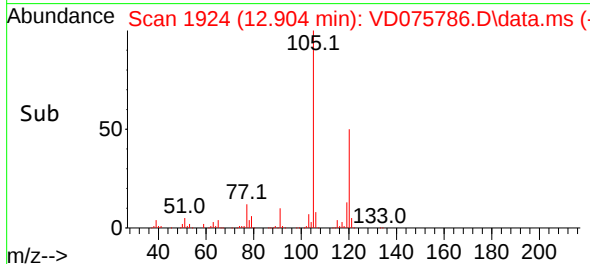
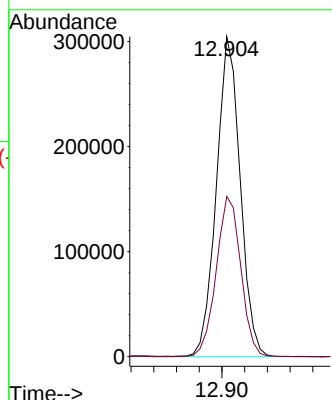
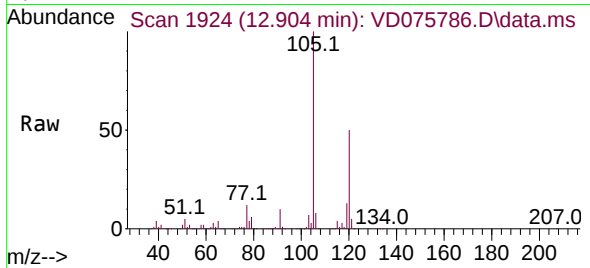




#62
 1,3,5-Trimethylbenzene
 Concen: 27.660 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

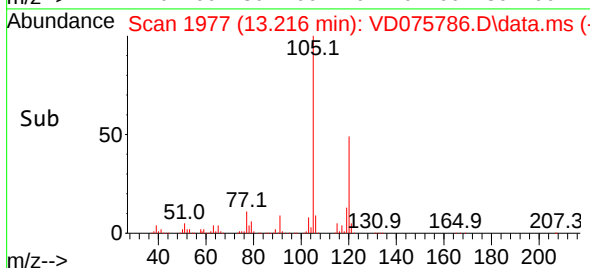
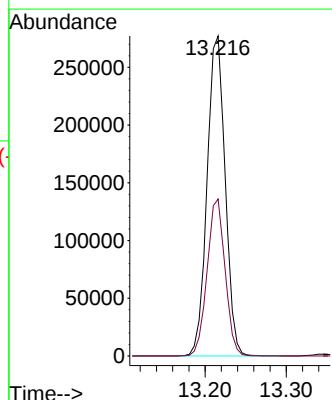
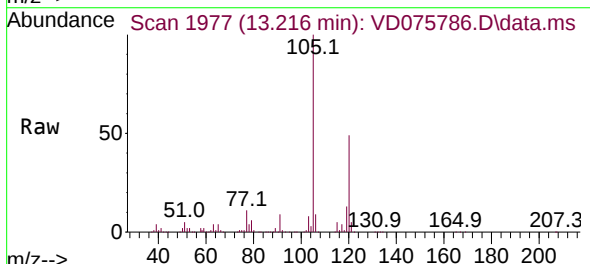
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025129

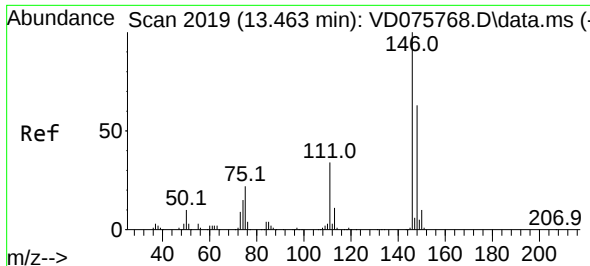
Tgt Ion:105 Resp: 444045
 Ion Ratio Lower Upper
 105 100
 120 51.6 42.0 63.0



#63
 1,2,4-Trimethylbenzene
 Concen: 27.655 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion:105 Resp: 427971
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.0 58.6

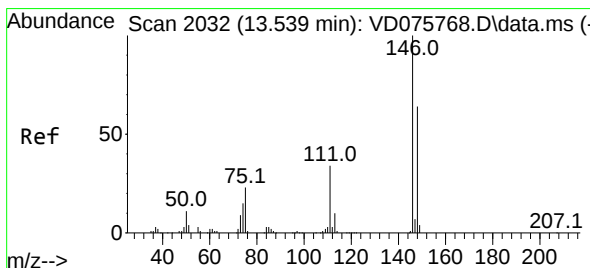
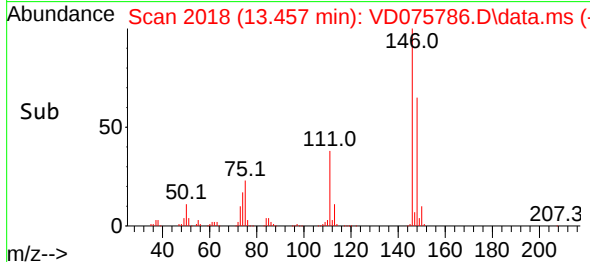
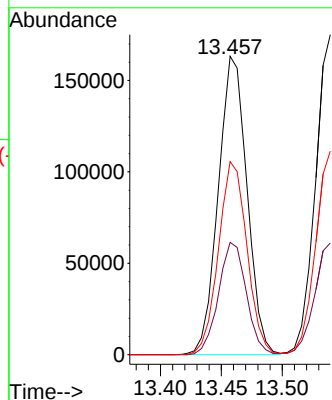
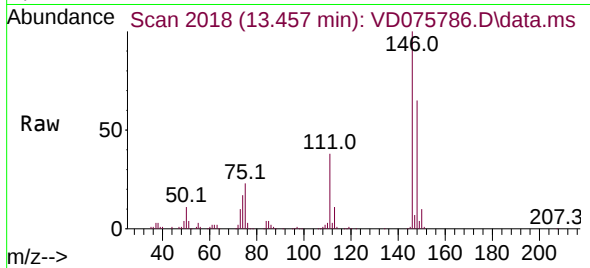




#64
1,3-Dichlorobenzene
Concen: 26.034 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

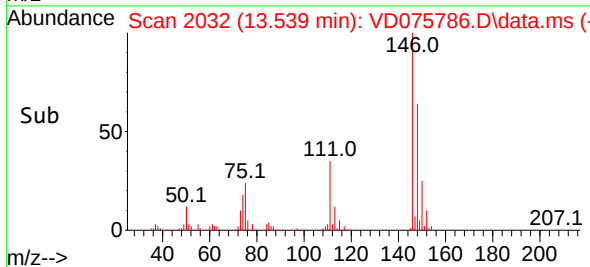
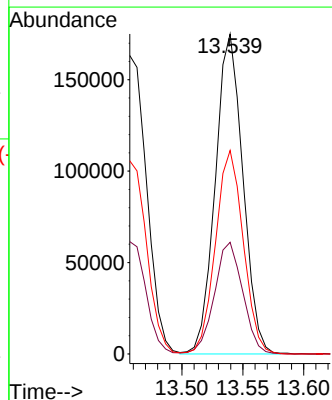
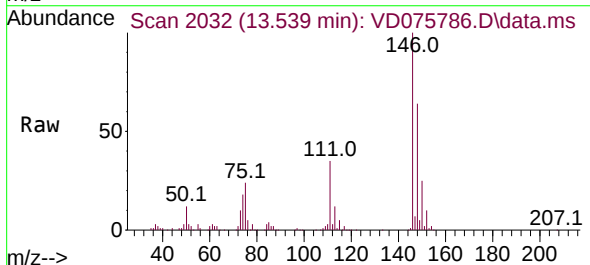
Instrument :
MSVOA_D
ClientSampleId :
VSTD025129

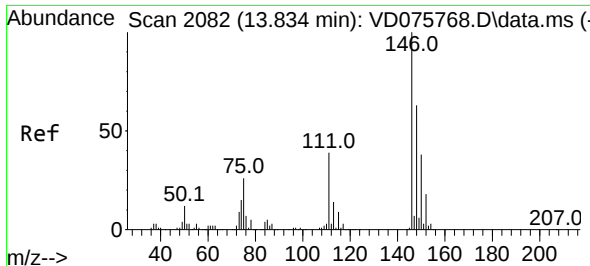
Tgt Ion:146 Resp: 268182
Ion Ratio Lower Upper
146 100
111 37.7 26.5 49.1
148 64.7 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 25.574 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075786.D
Acq: 21 Apr 2023 20:21

Tgt Ion:146 Resp: 276482
Ion Ratio Lower Upper
146 100
111 34.9 24.6 45.8
148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 26.039 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

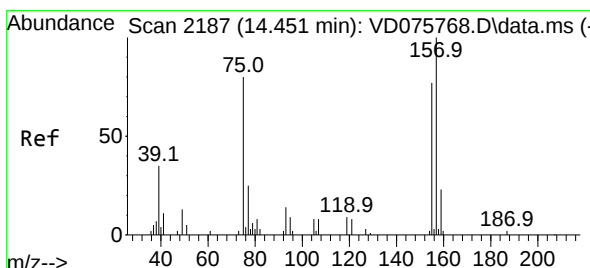
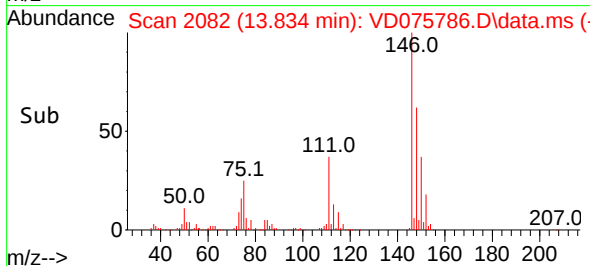
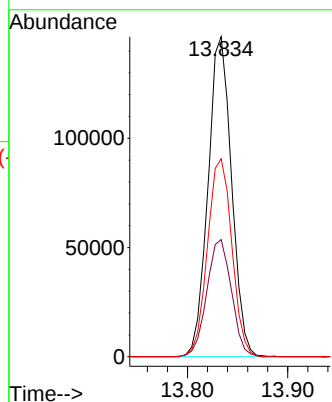
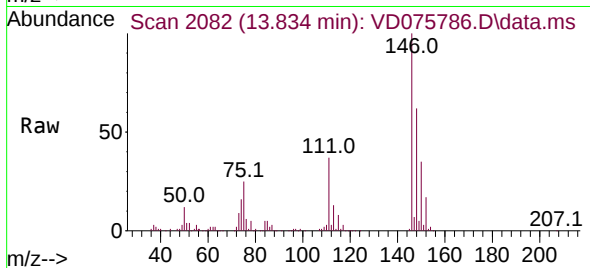
Tgt Ion:146 Resp: 239536

Ion Ratio Lower Upper

146 100

111 36.6 30.6 46.0

148 61.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.533 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

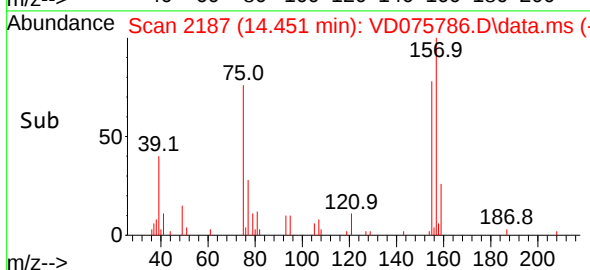
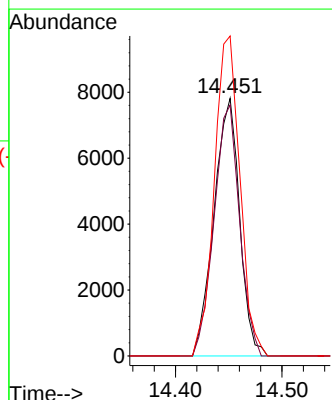
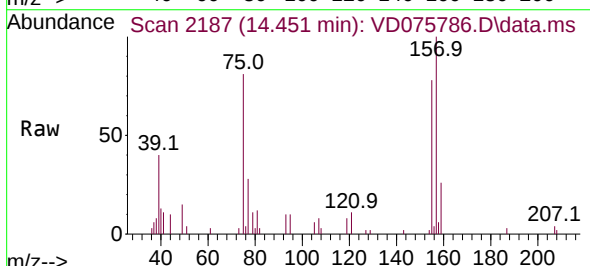
Tgt Ion: 75 Resp: 13019

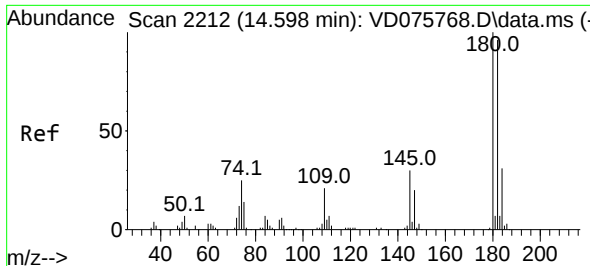
Ion Ratio Lower Upper

75 100

155 97.5 74.6 111.8

157 124.2 109.4 164.2

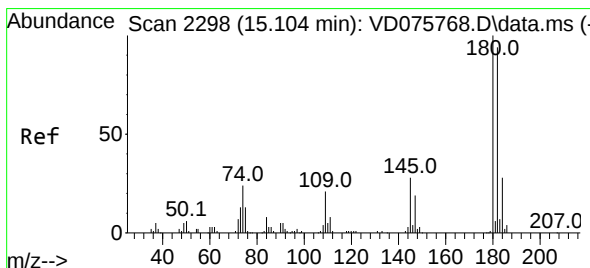
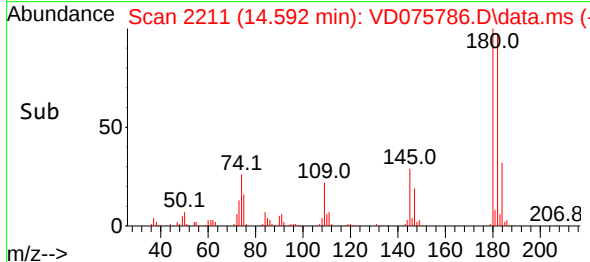
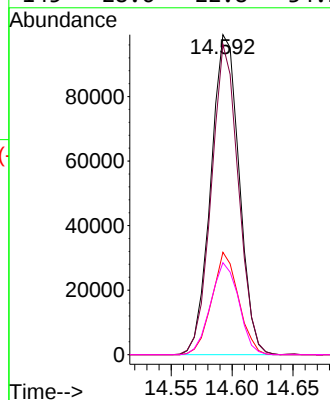
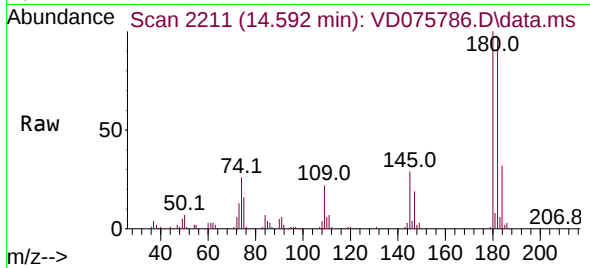




#69
 1,3,5-Trichlorobenzene
 Concen: 23.196 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

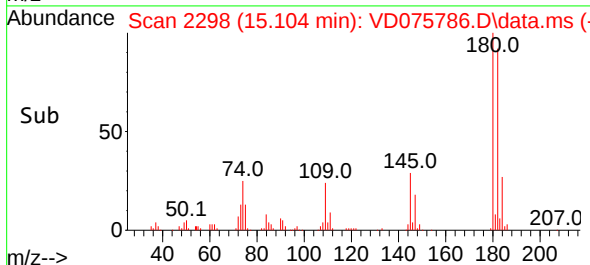
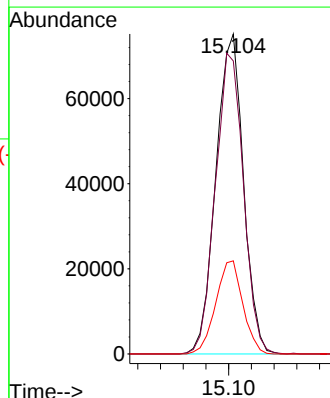
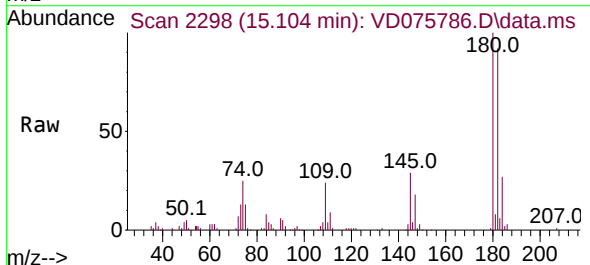
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025129

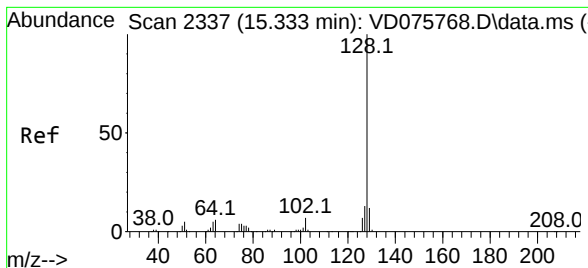
Tgt Ion:180	Resp: 160158
Ion Ratio	Lower Upper
180	100
182	92.7 74.9 112.3
184	30.4 25.0 37.4
145	28.6 22.8 34.2



#70
 1,2,4-trichlorobenzene
 Concen: 22.129 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075786.D
 Acq: 21 Apr 2023 20:21

Tgt Ion:180	Resp: 126615
Ion Ratio	Lower Upper
180	100
182	95.5 75.4 113.2
145	28.6 23.6 35.4





#71

Naphthalene

Concen: 23.750 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTD025129

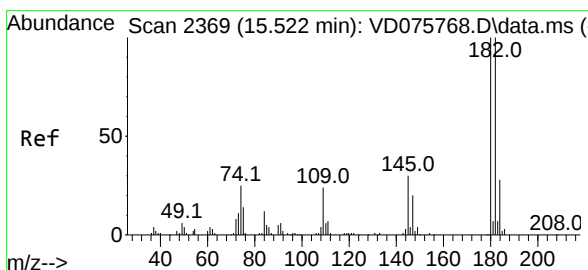
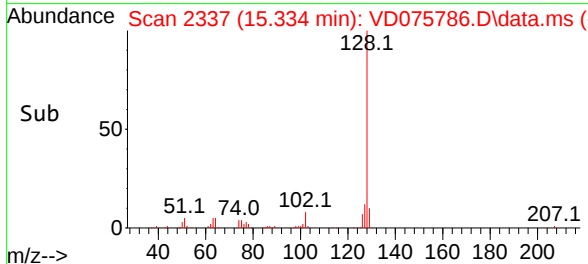
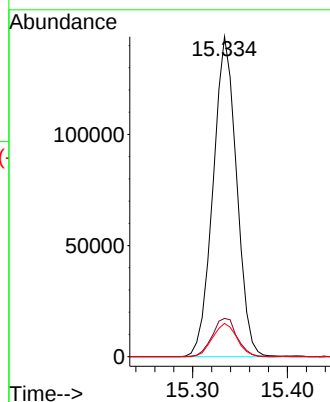
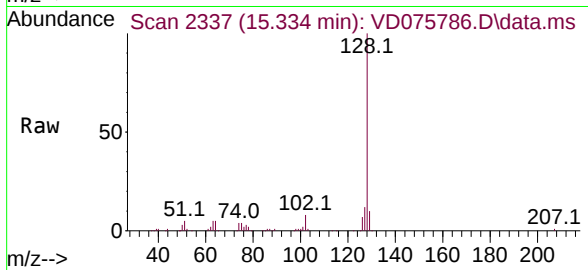
Tgt Ion:128 Resp: 248682

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.7 9.1 13.7



#72

1,2,3-Trichlorobenzene

Concen: 23.346 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD075786.D

Acq: 21 Apr 2023 20:21

Tgt Ion:180 Resp: 119238

Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

145 29.9 25.0 37.6

