

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031925\
 Data File : VD080285.D
 Acq On : 19 Mar 2025 10:19
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02507

Quant Time: Mar 24 14:49:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 14:42:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	172395	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	189406	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	92175	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	133216	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
7) Chloroethane-d5	2.793	69	123374	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.56%
11) 1,1-Dichloroethene-d2	3.911	65	30462	25.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.08%
21) 2-Butanone-d5	6.987	46	32809	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
24) Chloroform-d	7.569	84	142444	26.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.16%
26) 1,2-Dichloroethane-d4	8.228	65	77768	26.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.08%
32) Benzene-d6	8.199	84	282045	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	9.210	67	81745	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.60%
41) Toluene-d8	10.269	98	249443	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
43) trans-1,3-Dichloroprop...	10.522	79	35969	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.88%
47) 2-Hexanone-d5	10.875	63	28223	54.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.26%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	75289	23.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.92%
66) 1,2-Dichlorobenzene-d4	13.810	152	83672	25.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.64%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	93026	29.03	ug/L	99
3) Chloromethane	2.152	50	137142	26.49	ug/L	97
5) Vinyl chloride	2.281	62	181357	26.94	ug/L	96
6) Bromomethane	2.687	94	98793	28.20	ug/L	96
8) Chloroethane	2.828	64	118839	26.11	ug/L	96
9) Trichlorofluoromethane	3.170	101	144953	28.86	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	85392	28.79	ug/L	98
12) 1,1-Dichloroethene	3.934	96	72563	28.73	ug/L	97
13) Acetone	4.022	43	42142	65.77	ug/L	95
14) Carbon disulfide	4.269	76	262208	28.03	ug/L	100
15) Methyl Acetate	4.564	43	36393	26.89	ug/L	98
16) Methylene chloride	4.799	84	79820	23.64	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	68522	25.09	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	140922	24.57	ug/L	99
19) 1,1-Dichloroethane	6.111	63	143956	26.82	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	79794	27.10	ug/L	94
22) 2-Butanone	7.081	43	43630	54.21	ug/L #	54
23) Bromochloromethane	7.428	128	40999	29.15	ug/L	96
25) Chloroform	7.593	83	157213	27.38	ug/L	96

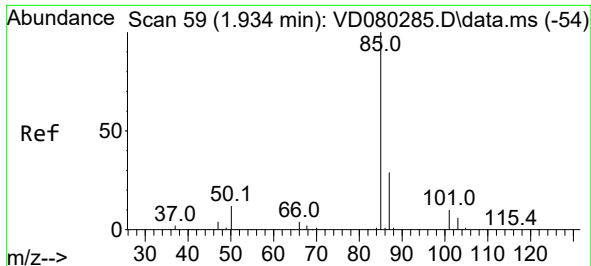
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Instrument :
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 ClientSampleId :
 VSTD02507

Quant Time: Mar 24 14:49:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 14:42:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	104799	29.23	ug/L	99
29) Cyclohexane	7.875	56	131048	29.39	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	132843	26.69	ug/L	99
31) Carbon tetrachloride	7.993	117	112460	25.74	ug/L	99
33) Benzene	8.252	78	322237	26.18	ug/L	100
34) Trichloroethene	9.022	95	75009	22.83	ug/L	96
35) Methylcyclohexane	9.275	83	117194	25.18	ug/L	98
37) 1,2-Dichloropropane	9.305	63	81155	22.73	ug/L	99
38) Bromodichloromethane	9.581	83	105388	23.25	ug/L	91
39) cis-1,3-Dichloropropene	10.016	75	119401	23.07	ug/L	94
40) 4-Methyl-2-pentanone	10.157	43	88435	46.81	ug/L	97
42) Toluene	10.334	91	328954	25.03	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	106836	24.72	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	71211	26.64	ug/L	94
46) Tetrachloroethene	10.804	164	68534	26.84	ug/L	98
48) 2-Hexanone	10.922	43	77304	56.46	ug/L	99
49) Dibromochloromethane	11.075	129	76472	25.30	ug/L	99
50) 1,2-Dibromoethane	11.175	107	63881	26.97	ug/L #	96
51) Chlorobenzene	11.604	112	227052	26.07	ug/L	97
52) Ethylbenzene	11.681	91	385350	26.91	ug/L	99
53) m,p-Xylene	11.793	106	144615	27.30	ug/L	100
54) o-Xylene	12.122	106	140850	28.01	ug/L	98
55) Styrene	12.134	104	258069	28.31	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	77183	23.84	ug/L	98
59) Bromoform	12.298	173	50533	29.60	ug/L	100
60) Isopropylbenzene	12.416	105	377714	30.44	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	52993	25.95	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	266860	27.30	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	264184	26.59	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	159097	25.66	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	166234	24.90	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	148323	25.88	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11227	23.23	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	103897	25.47	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	85760	25.24	ug/L	100
71) Naphthalene	15.334	128	164664	25.80	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	81134	26.45	ug/L	97

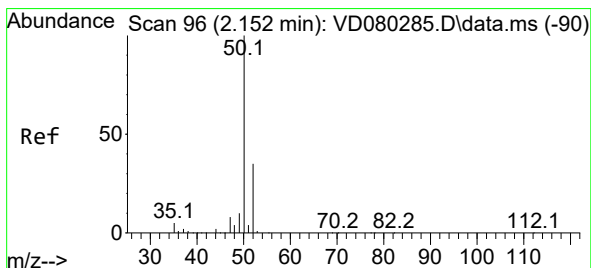
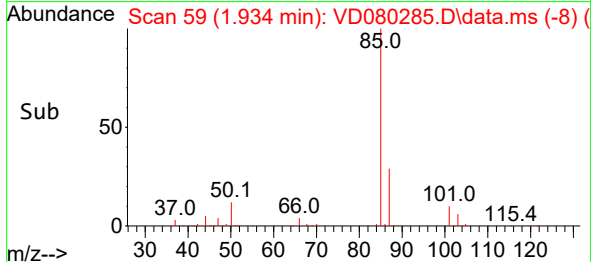
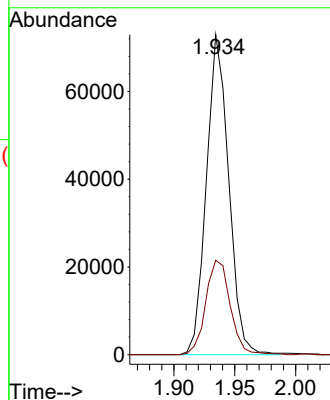
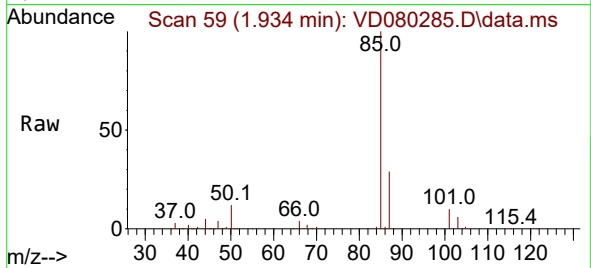
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#2
Dichlorodifluoromethane
Concen: 29.03 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

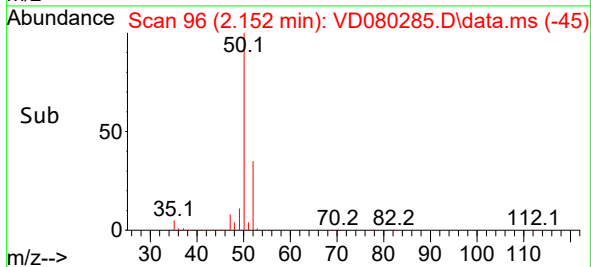
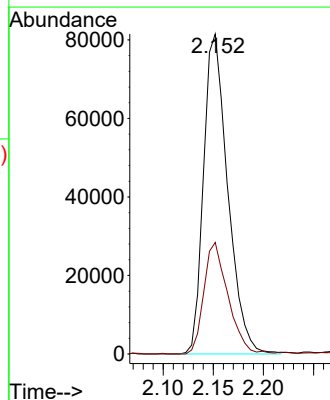
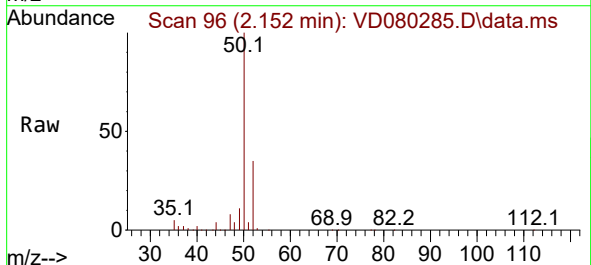
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

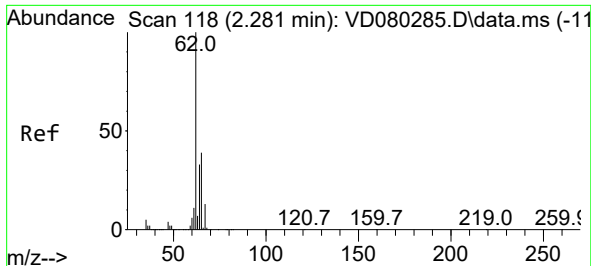
Tgt Ion: 85 Resp: 93026
Ion Ratio Lower Upper
85 100
87 32.3 25.6 38.4



#3
Chloromethane
Concen: 26.49 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 50 Resp: 137142
Ion Ratio Lower Upper
50 100
52 34.9 23.1 42.9

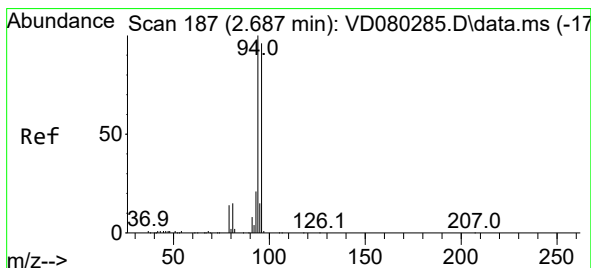
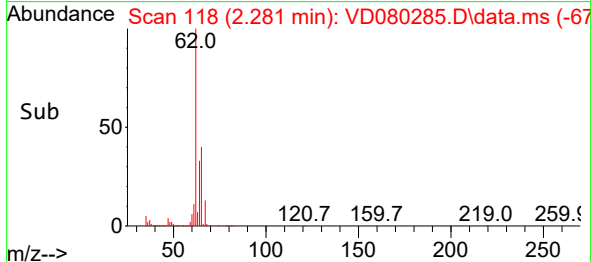
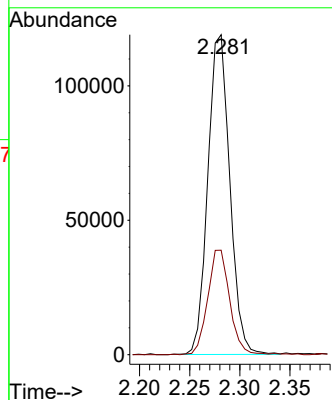
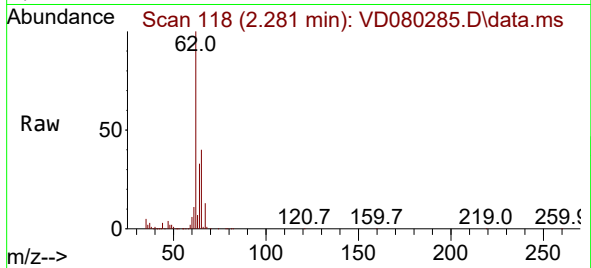




#5
 Vinyl chloride
 Concen: 26.94 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

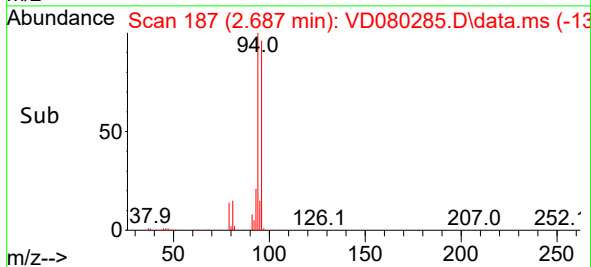
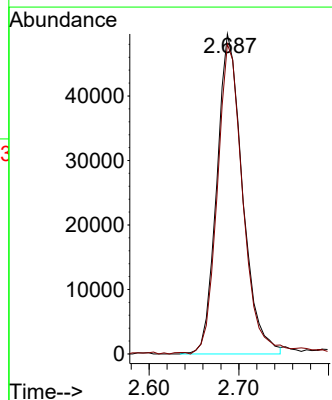
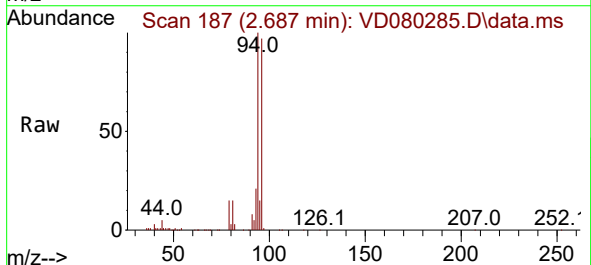
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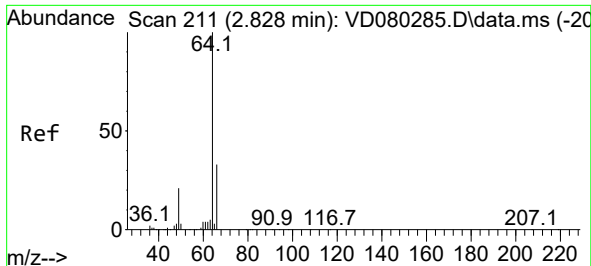
Tgt Ion: 62 Resp: 181357
 Ion Ratio Lower Upper
 62 100
 64 32.7 21.3 39.6



#6
 Bromomethane
 Concen: 28.20 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

Tgt Ion: 94 Resp: 98793
 Ion Ratio Lower Upper
 94 100
 96 96.9 70.3 130.5

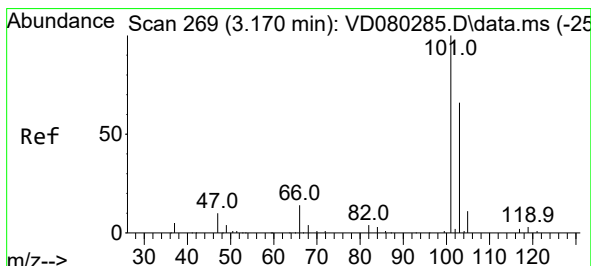
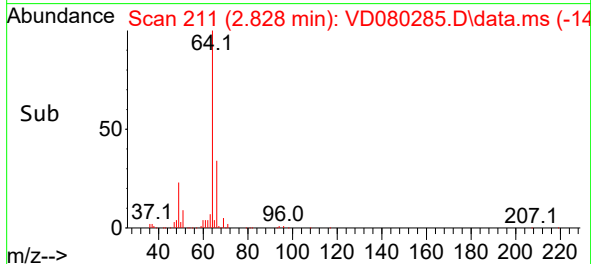
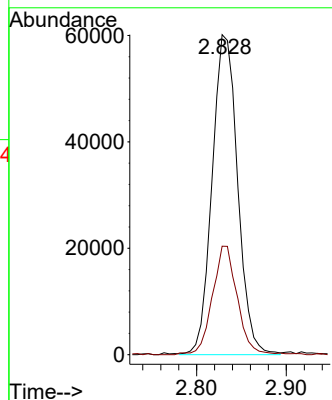
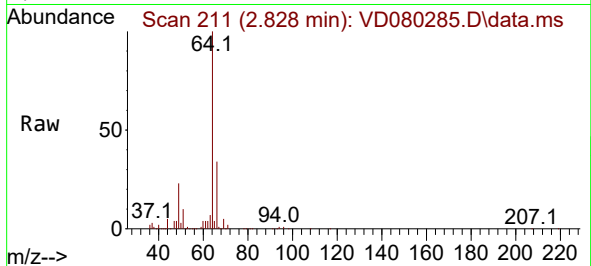




#8
Chloroethane
Concen: 26.11 ug/L
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

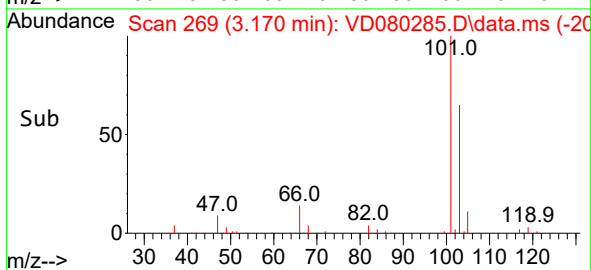
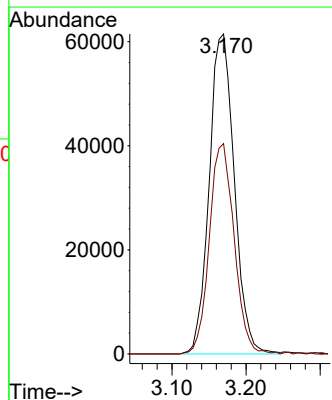
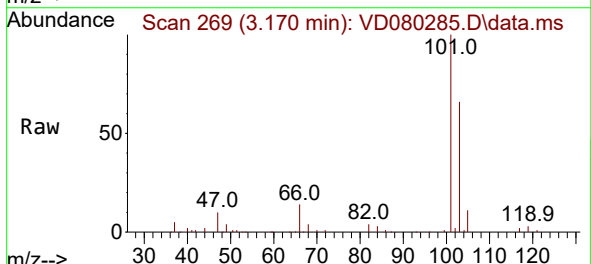
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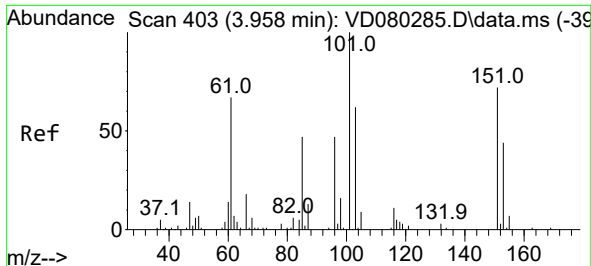
Tgt Ion: 64 Resp: 118839
Ion Ratio Lower Upper
64 100
66 33.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 28.86 ug/L
RT: 3.170 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:101 Resp: 144953
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

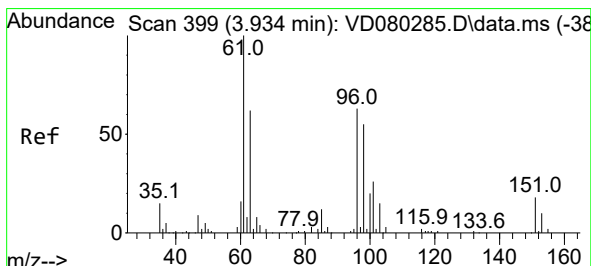
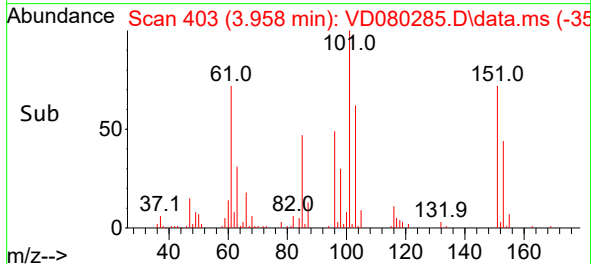
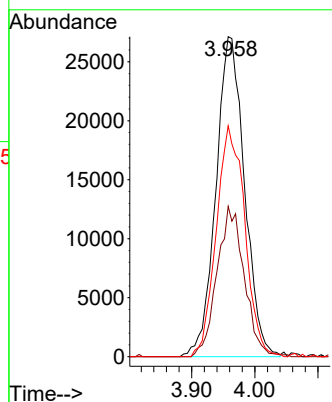
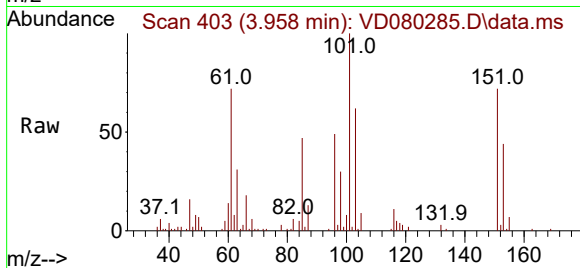




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 28.79 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

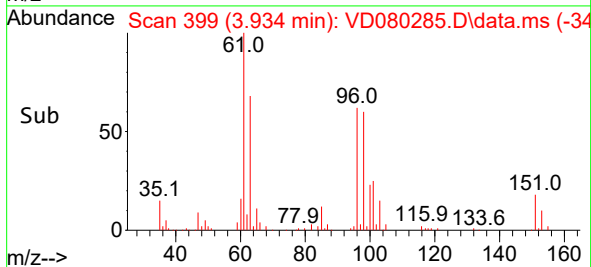
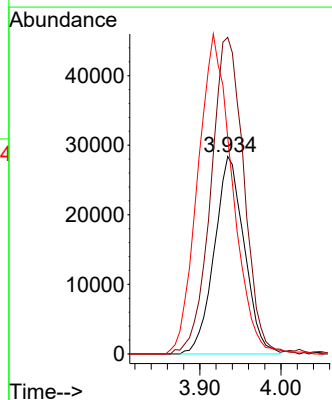
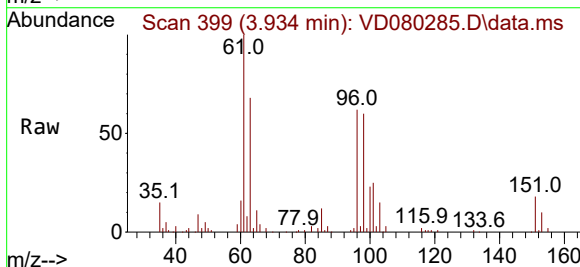
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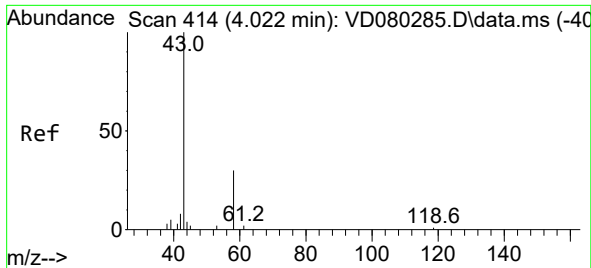
Tgt Ion:101 Resp: 85392
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.7 53.5
 151 71.9 55.6 83.4



#12
 1,1-Dichloroethene
 Concen: 28.73 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

Tgt Ion: 96 Resp: 72563
 Ion Ratio Lower Upper
 96 100
 61 160.4 112.5 208.9
 63 109.6 71.3 132.5





#13

Acetone

Concen: 65.77 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

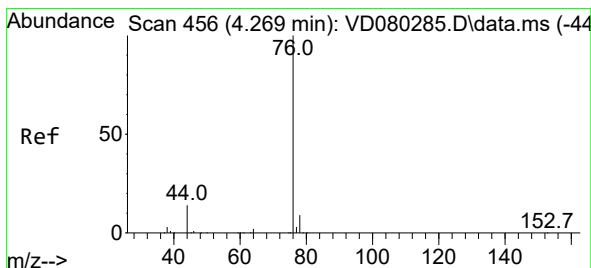
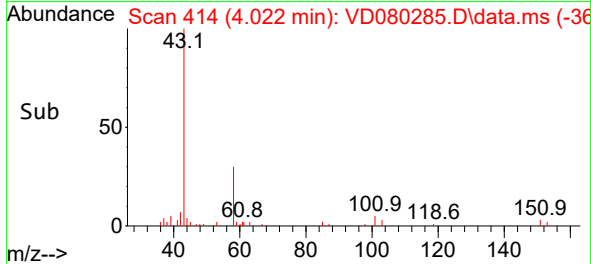
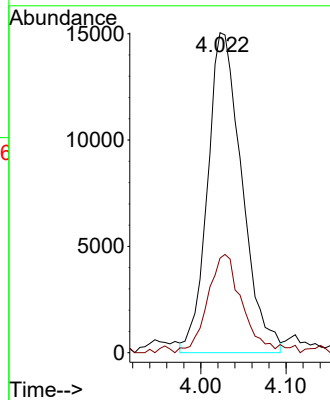
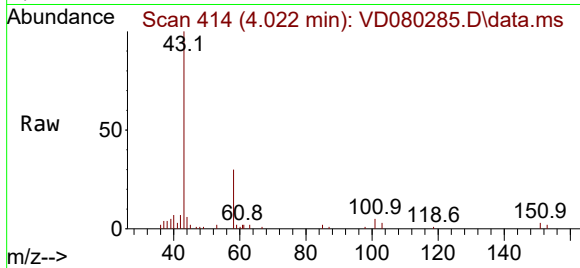
VSTD02507

Tgt Ion: 43 Resp: 42142

Ion Ratio Lower Upper

43 100

58 30.0 0.0 65.2



#14

Carbon disulfide

Concen: 28.03 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD080285.D

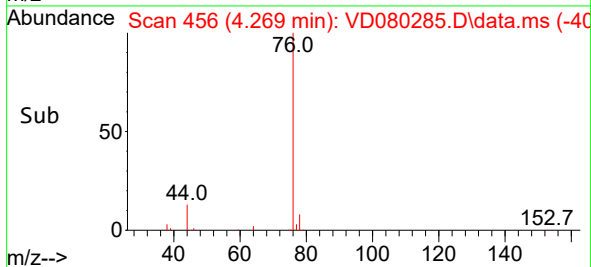
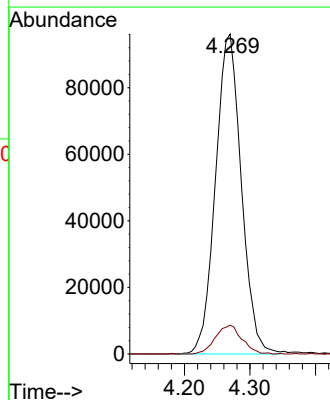
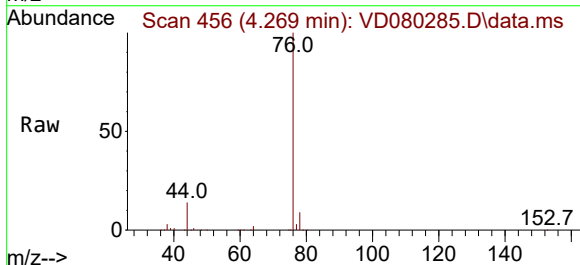
Acq: 19 Mar 2025 10:19

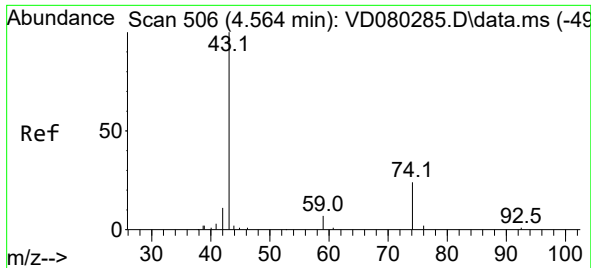
Tgt Ion: 76 Resp: 262208

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

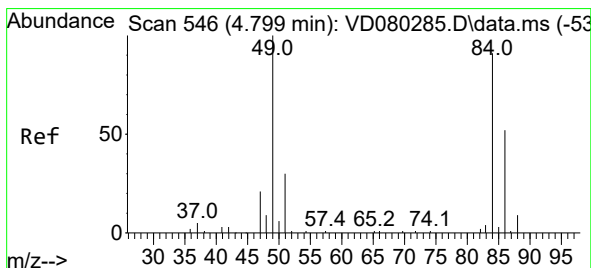
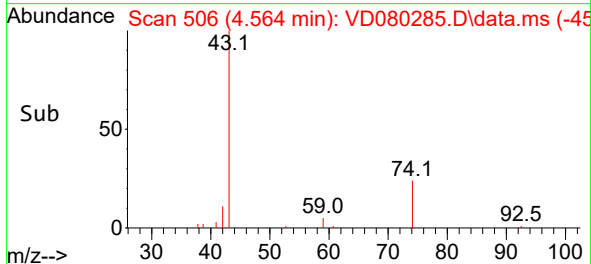
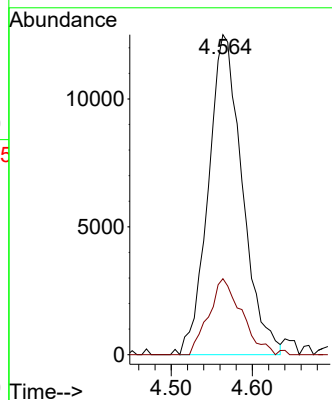
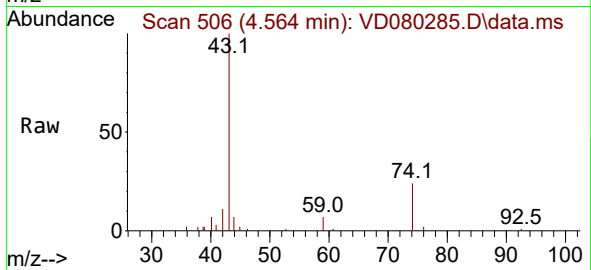




#15
Methyl Acetate
Concen: 26.89 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

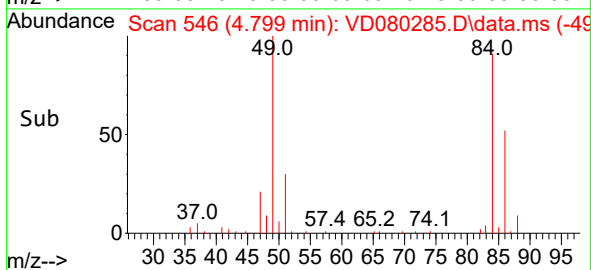
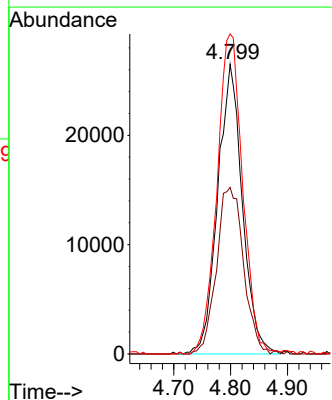
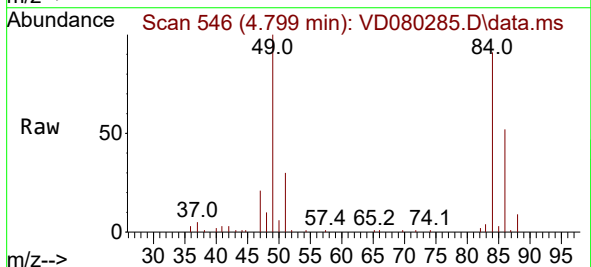
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

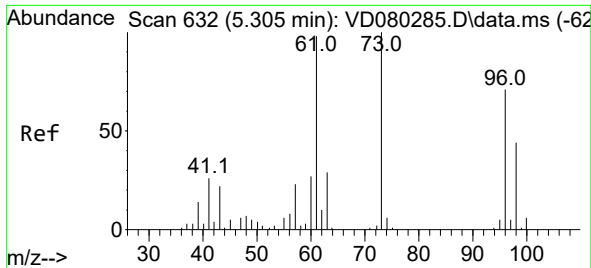
Tgt Ion: 43 Resp: 36393
Ion Ratio Lower Upper
43 100
74 22.3 17.2 25.8



#16
Methylene chloride
Concen: 23.64 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 84 Resp: 79820
Ion Ratio Lower Upper
84 100
86 57.5 40.9 75.9
49 110.5 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 25.09 ug/L

RT: 5.305 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

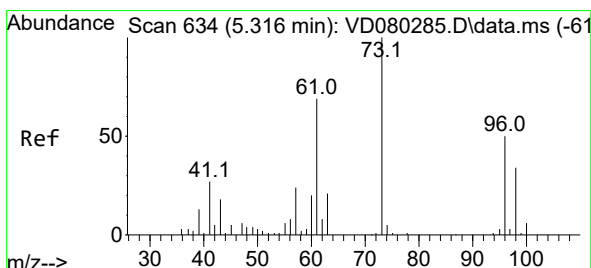
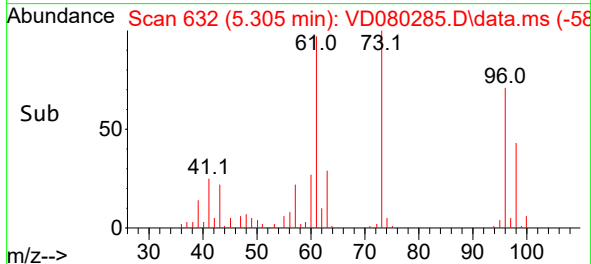
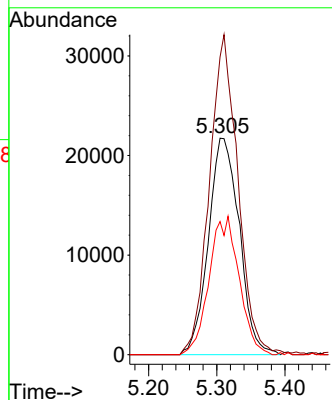
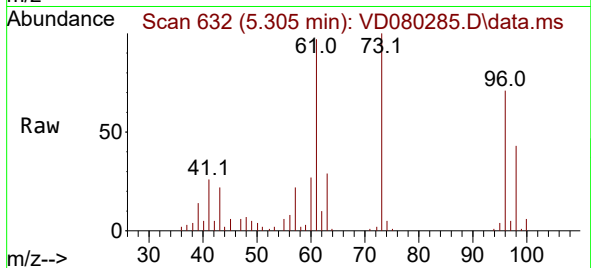
Tgt Ion: 96 Resp: 68522

Ion Ratio Lower Upper

96 100

61 137.4 92.4 171.6

98 61.5 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 24.57 ug/L

RT: 5.316 min Scan# 634

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

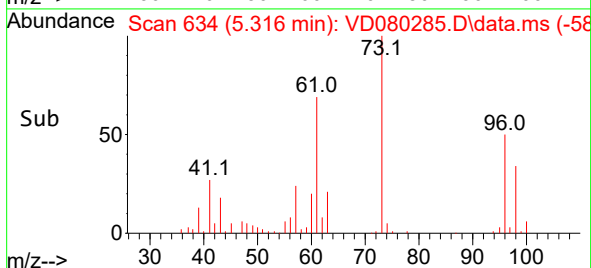
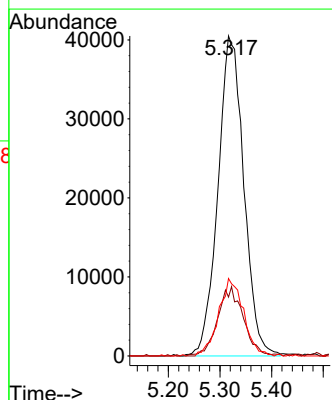
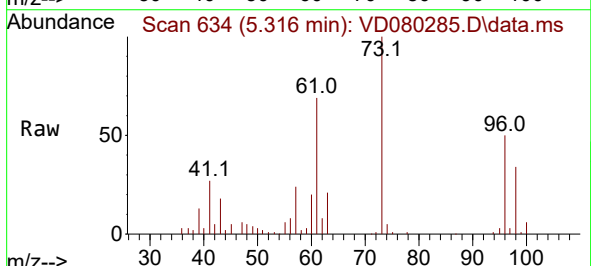
Tgt Ion: 73 Resp: 140922

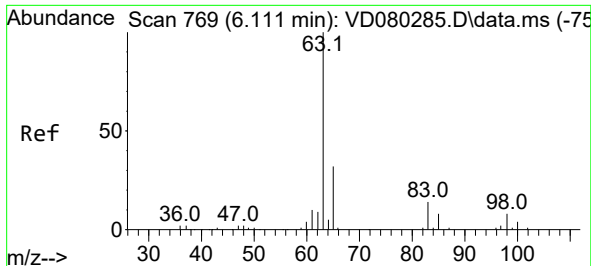
Ion Ratio Lower Upper

73 100

43 21.3 17.2 25.8

57 23.0 18.8 28.2





#19

1,1-Dichloroethane

Concen: 26.82 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

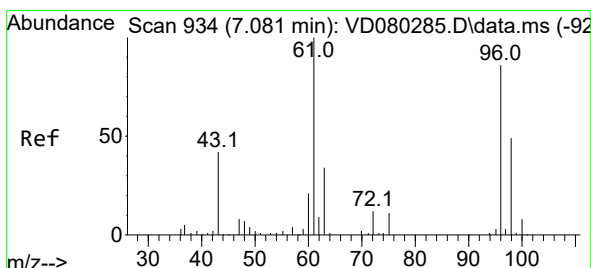
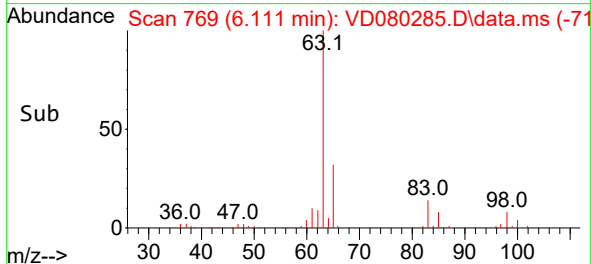
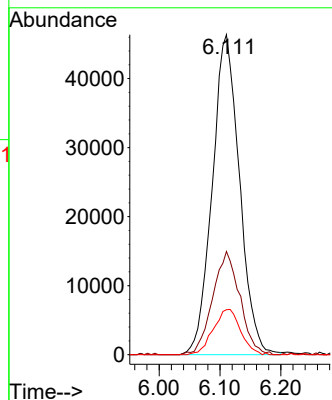
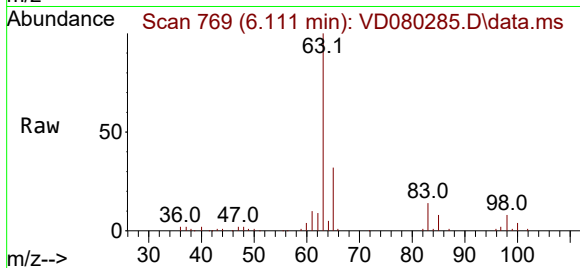
Tgt Ion: 63 Resp: 143956

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

83 14.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 27.10 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

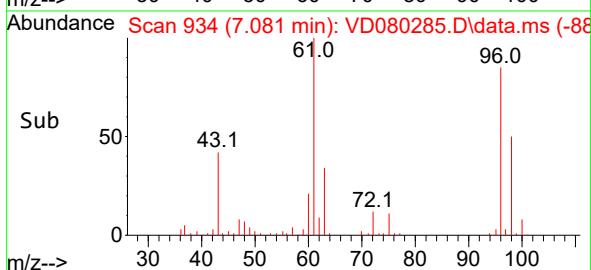
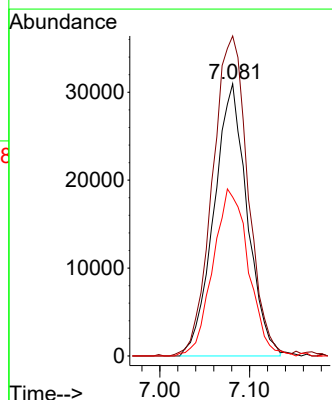
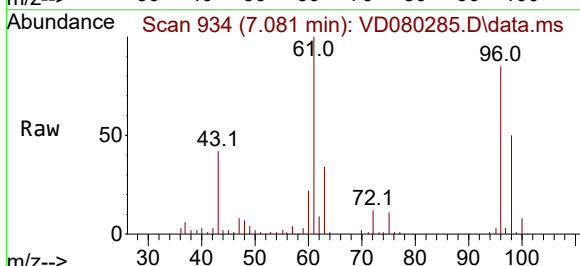
Tgt Ion: 96 Resp: 79794

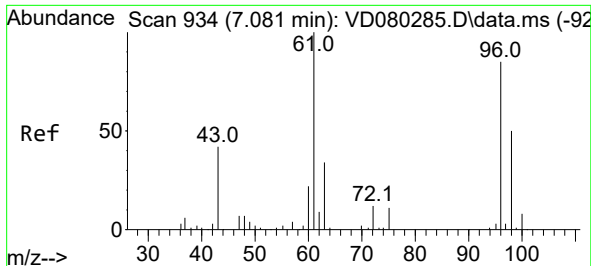
Ion Ratio Lower Upper

96 100

61 117.6 87.8 163.0

98 58.4 43.7 81.1

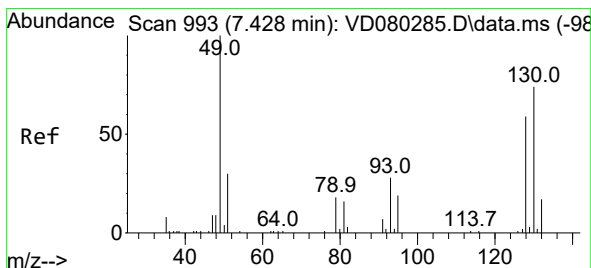
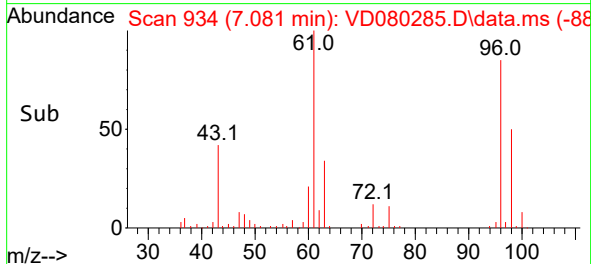
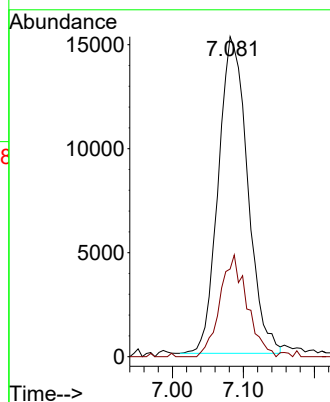
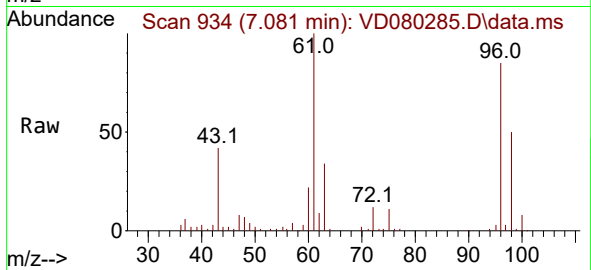




#22
2-Butanone
Concen: 54.21 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

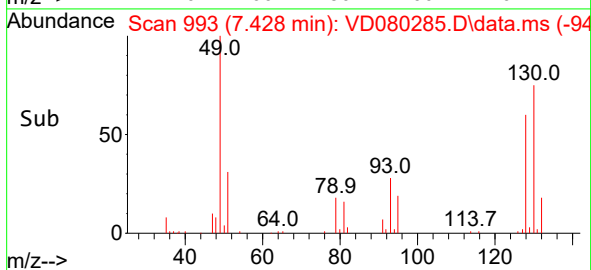
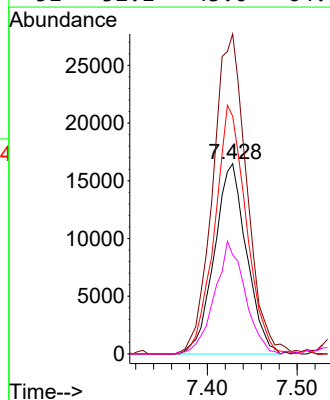
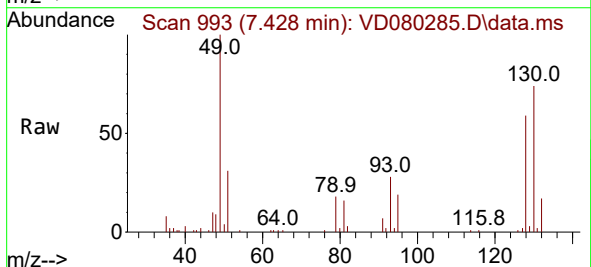
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

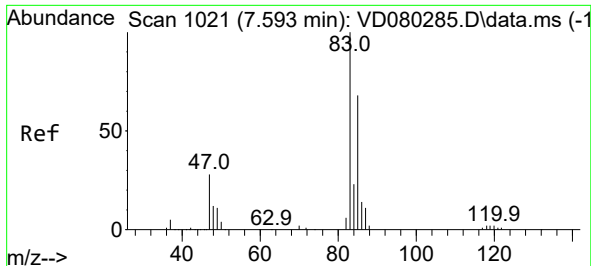
Tgt Ion: 43 Resp: 43630
Ion Ratio Lower Upper
43 100
72 29.6 5.9 17.8#



#23
Bromochloromethane
Concen: 29.15 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:128 Resp: 40999
Ion Ratio Lower Upper
128 100
49 168.2 112.6 209.0
130 125.0 89.7 166.5
51 52.1 43.0 64.6





#25

Chloroform

Concen: 27.38 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

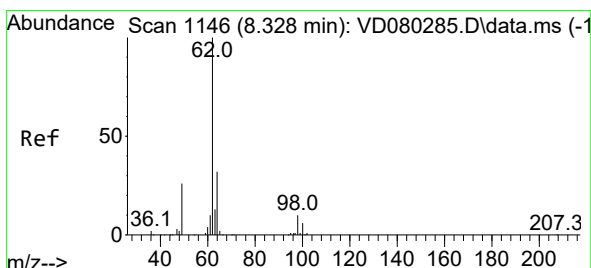
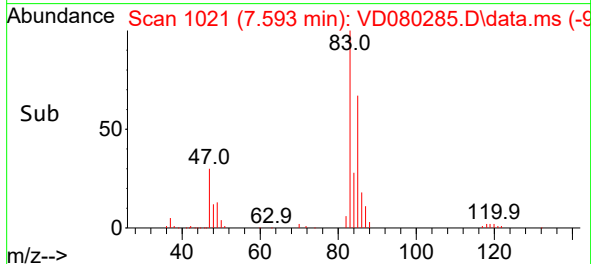
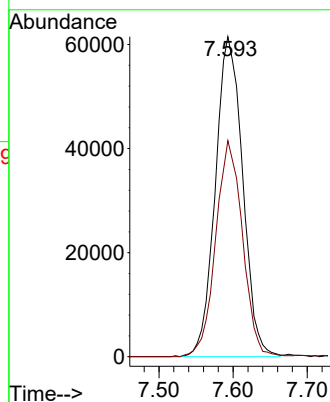
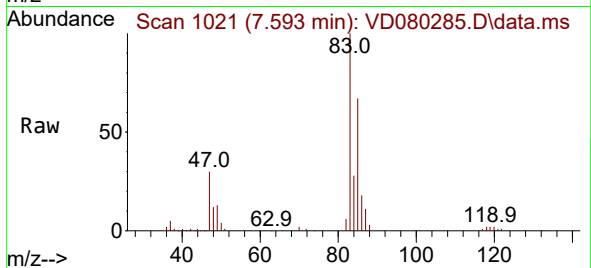
VSTD02507

Tgt Ion: 83 Resp: 157213

Ion Ratio Lower Upper

83 100

85 67.5 45.1 83.7



#27

1,2-Dichloroethane

Concen: 29.23 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD080285.D

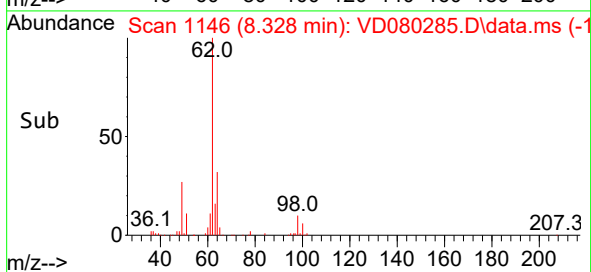
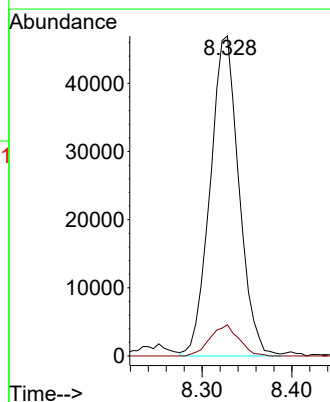
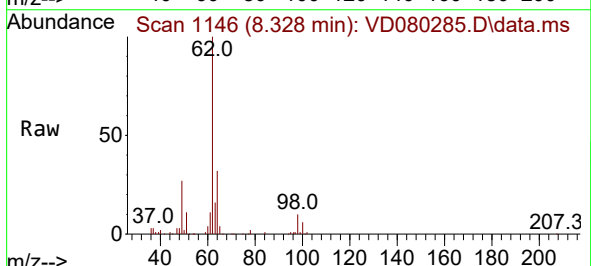
Acq: 19 Mar 2025 10:19

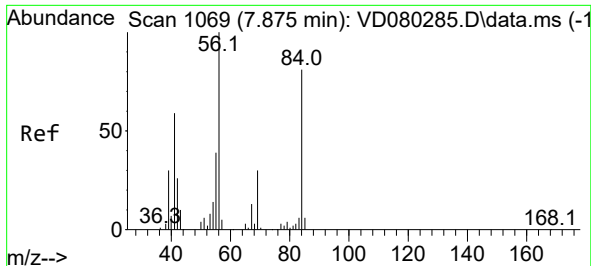
Tgt Ion: 62 Resp: 104799

Ion Ratio Lower Upper

62 100

98 9.8 8.2 12.2





#29

Cyclohexane

Concen: 29.39 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

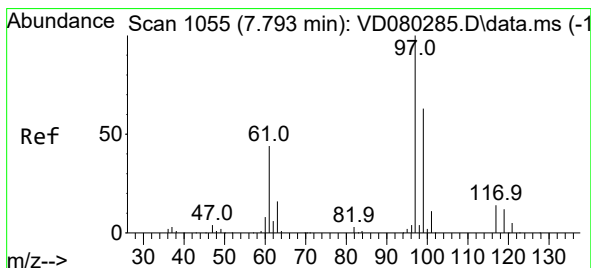
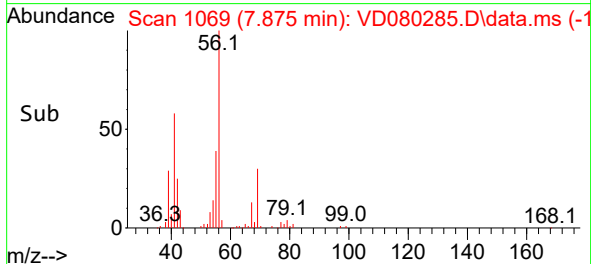
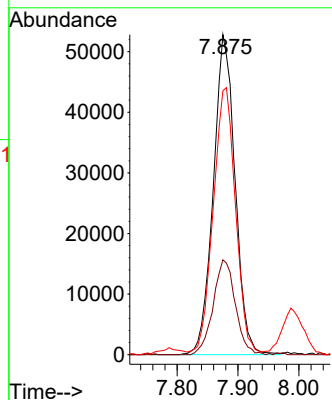
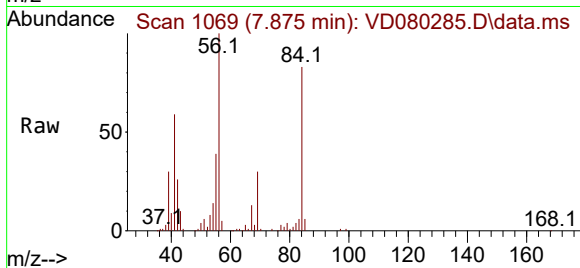
Tgt Ion: 56 Resp: 131048

Ion Ratio Lower Upper

56 100

69 30.0 24.6 37.0

84 85.5 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 26.69 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

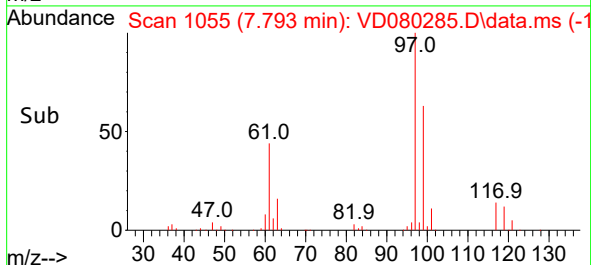
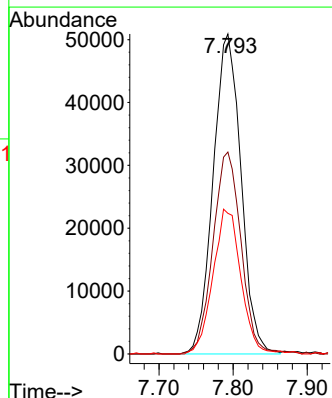
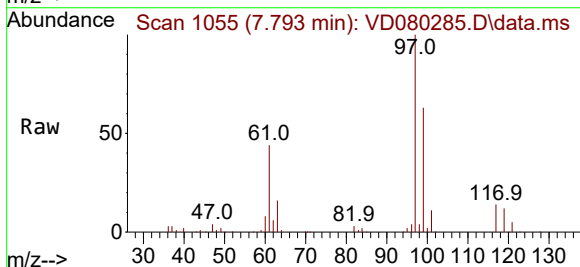
Tgt Ion: 97 Resp: 132843

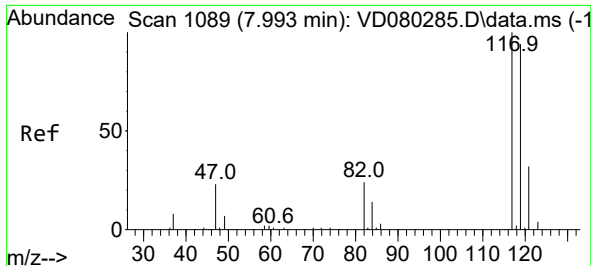
Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

61 45.2 36.7 55.1

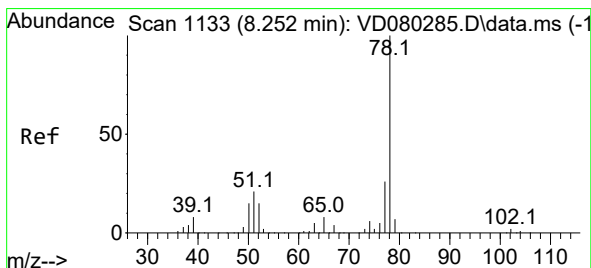
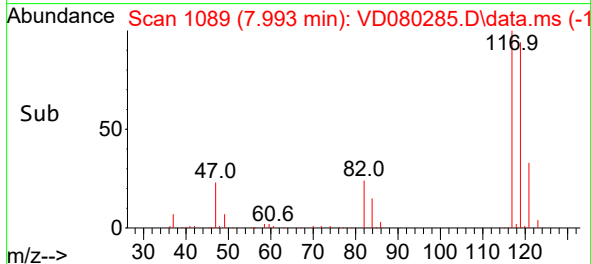
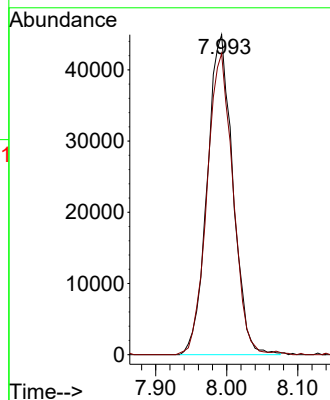
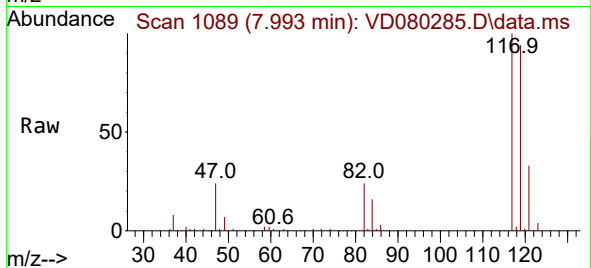




#31
Carbon tetrachloride
Concen: 25.74 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

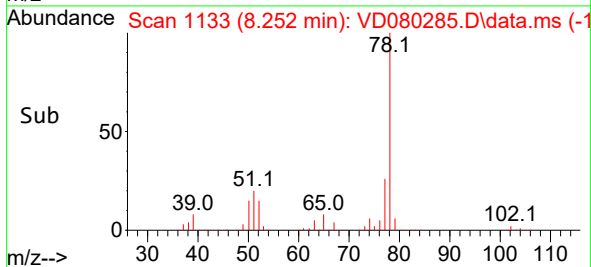
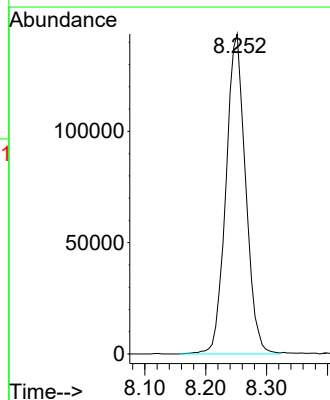
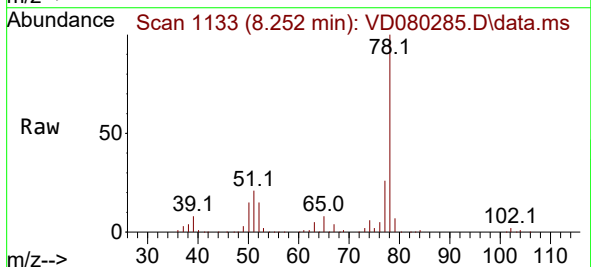
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

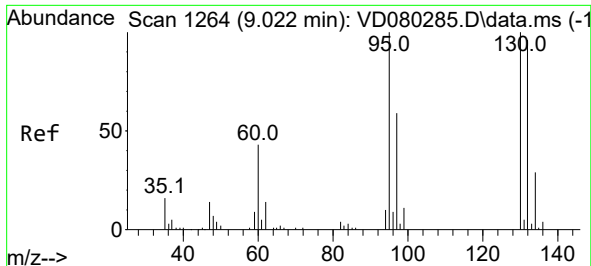
Tgt Ion:117 Resp: 112460
Ion Ratio Lower Upper
117 100
119 95.5 76.0 114.0



#33
Benzene
Concen: 26.18 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 78 Resp: 322237

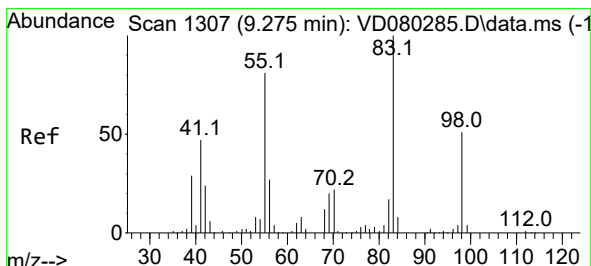
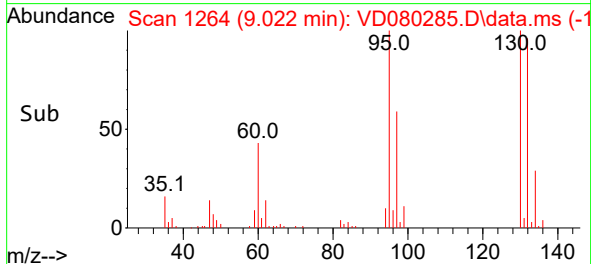
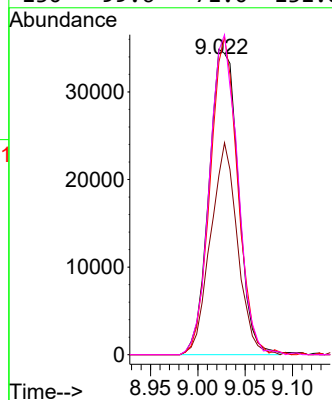
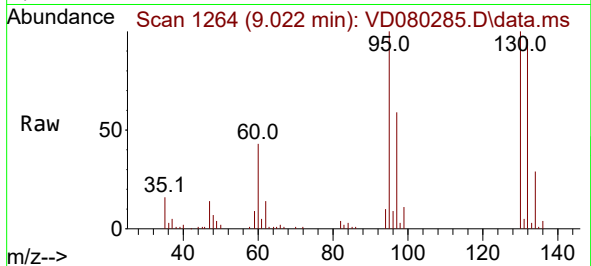




#34
Trichloroethene
Concen: 22.83 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

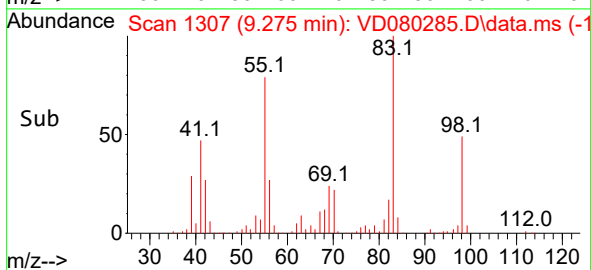
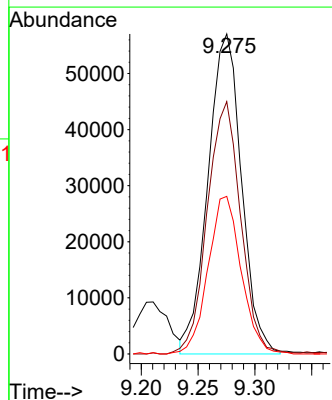
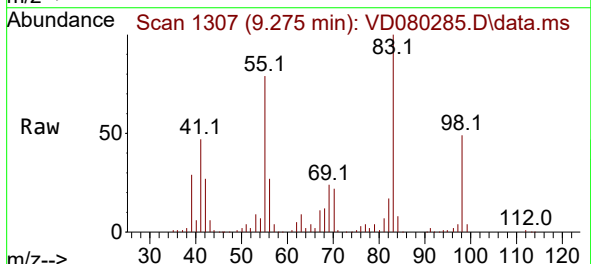
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

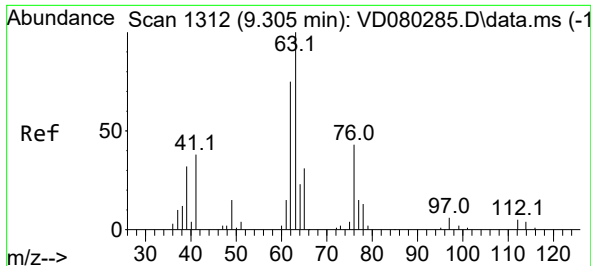
Tgt Ion: 95 Resp: 75009
Ion Ratio Lower Upper
95 100
97 58.7 45.1 83.7
132 95.8 69.5 129.1
130 99.6 71.0 131.8



#35
Methylcyclohexane
Concen: 25.18 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 83 Resp: 117194
Ion Ratio Lower Upper
83 100
55 78.3 65.0 97.6
98 48.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 22.73 ug/L

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

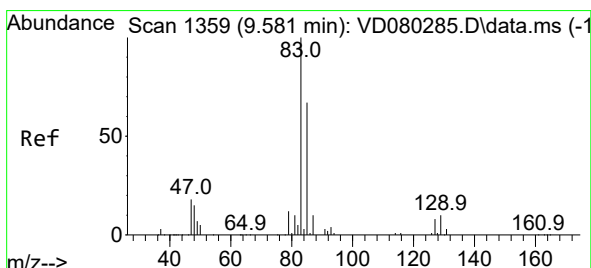
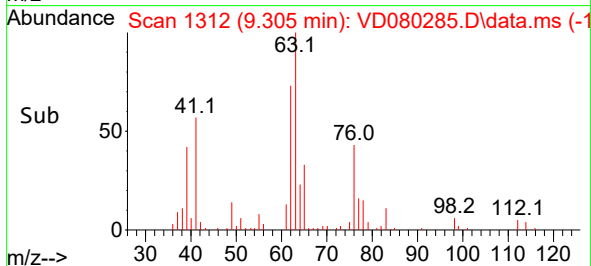
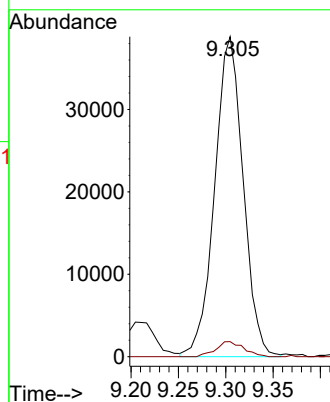
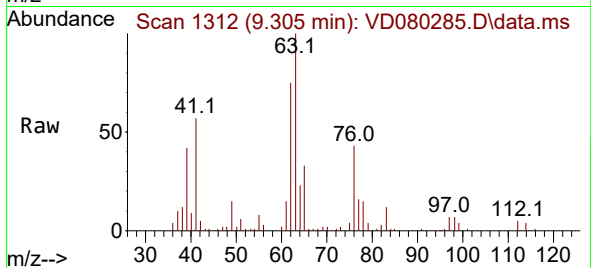
VSTD02507

Tgt Ion: 63 Resp: 81155

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 23.25 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

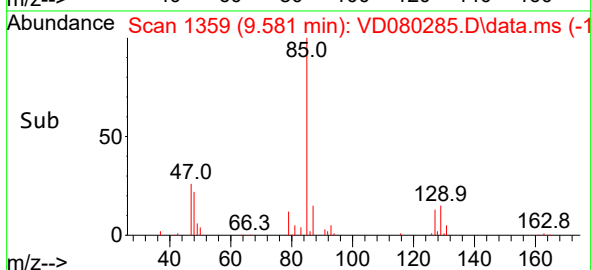
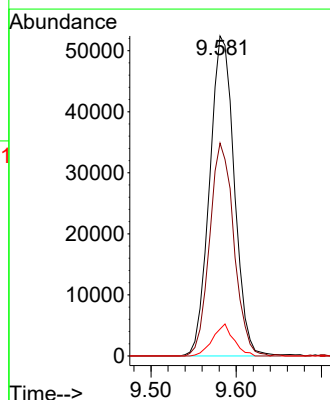
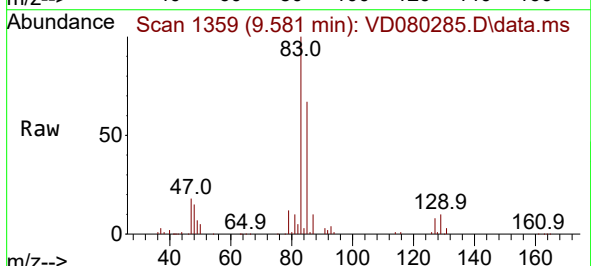
Tgt Ion: 83 Resp: 105388

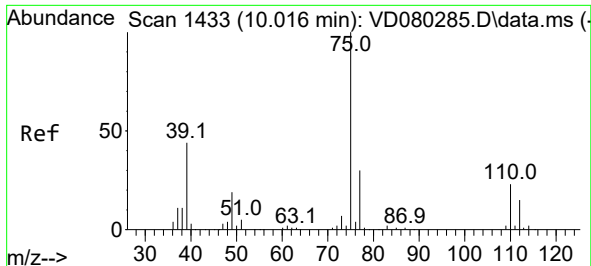
Ion Ratio Lower Upper

83 100

85 66.5 41.4 77.0

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 23.07 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

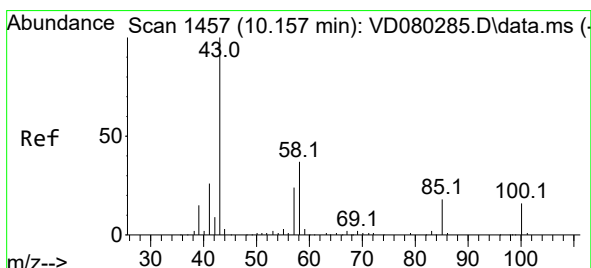
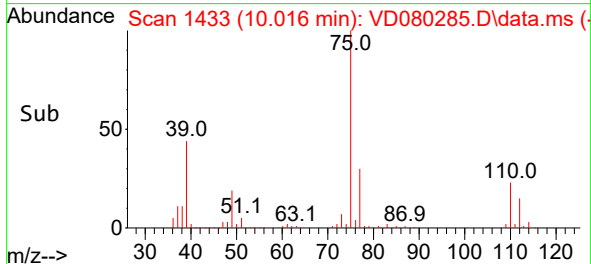
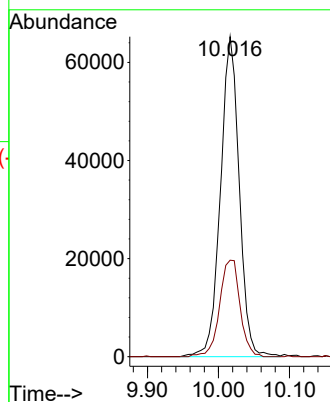
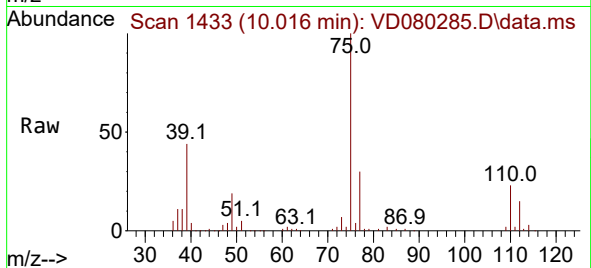
VSTD02507

Tgt Ion: 75 Resp: 119401

Ion Ratio Lower Upper

75 100

77 30.1 23.7 43.9



#40

4-Methyl-2-pentanone

Concen: 46.81 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

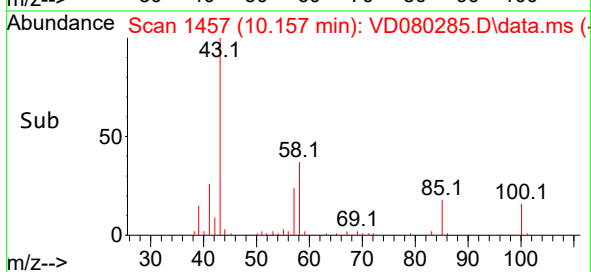
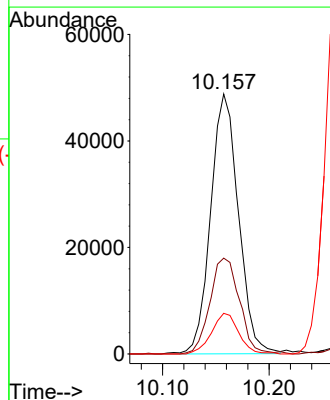
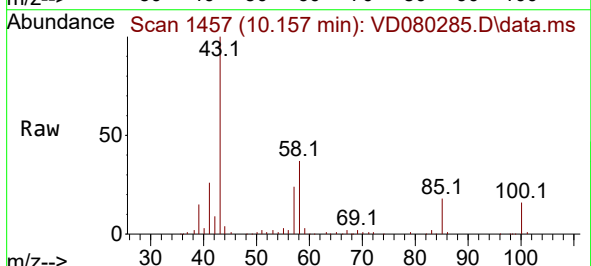
Tgt Ion: 43 Resp: 88435

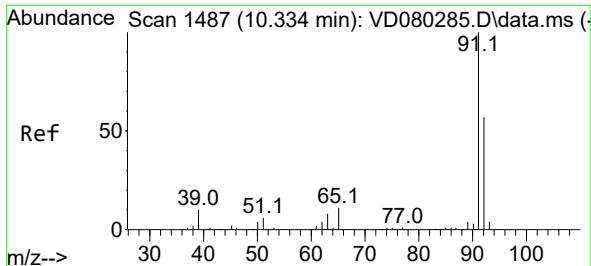
Ion Ratio Lower Upper

43 100

58 38.9 29.9 44.9

100 15.2 11.3 16.9





#42

Toluene

Concen: 25.03 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

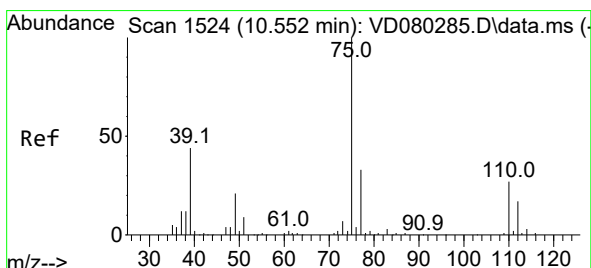
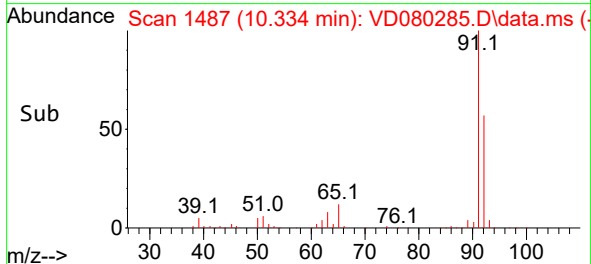
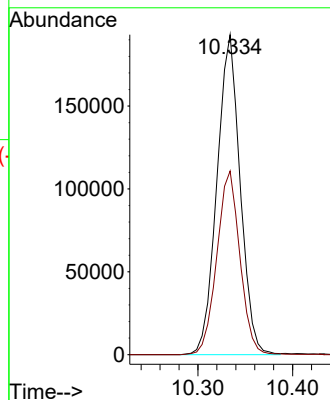
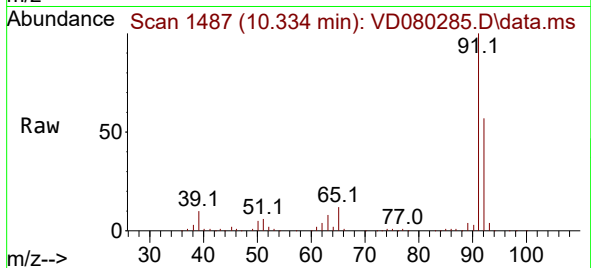
VSTD02507

Tgt Ion: 91 Resp: 328954

Ion Ratio Lower Upper

91 100

92 57.4 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 24.72 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080285.D

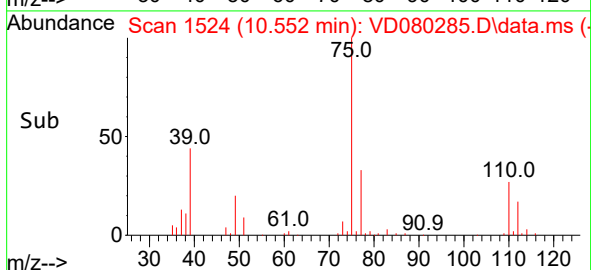
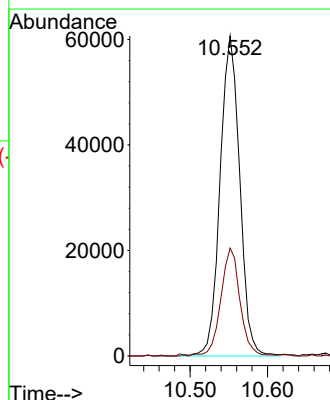
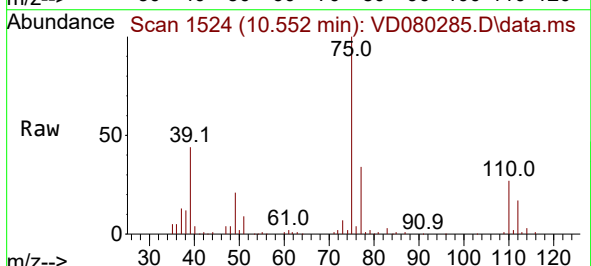
Acq: 19 Mar 2025 10:19

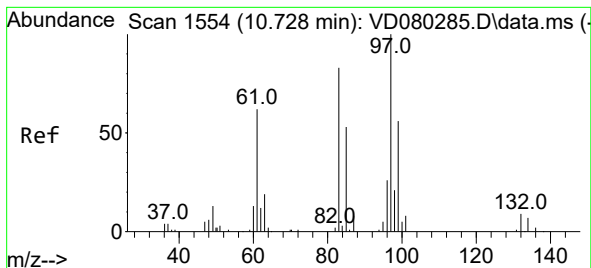
Tgt Ion: 75 Resp: 106836

Ion Ratio Lower Upper

75 100

77 33.7 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 26.64 ug/L

RT: 10.728 min Scan# 1554

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

Tgt Ion: 97 Resp: 71211

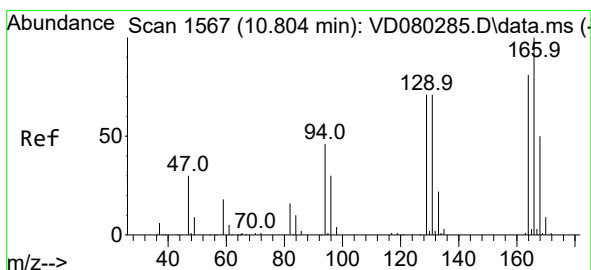
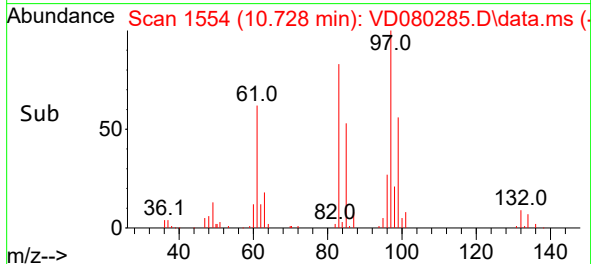
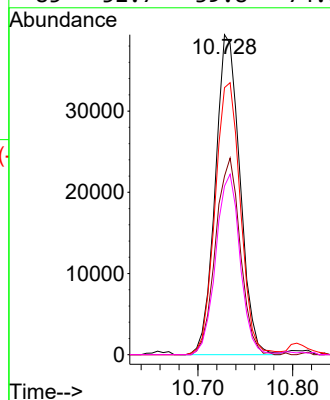
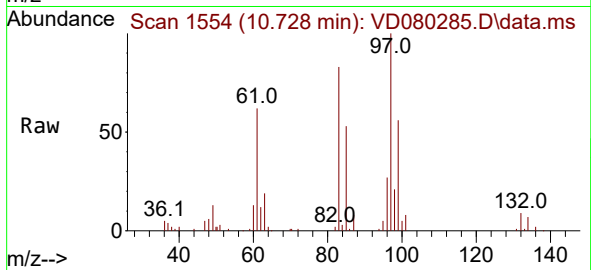
Ion Ratio Lower Upper

97 100

99 55.8 43.0 79.8

83 83.4 62.2 115.4

85 52.7 39.8 74.0



#46

Tetrachloroethene

Concen: 26.84 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Tgt Ion:164 Resp: 68534

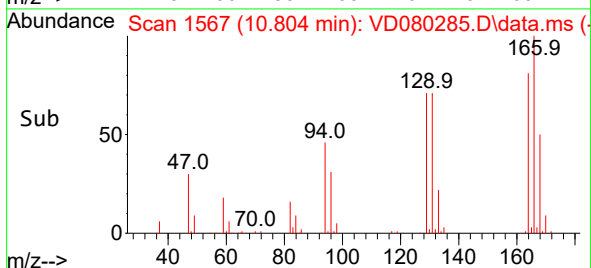
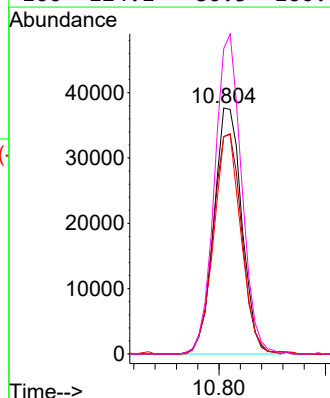
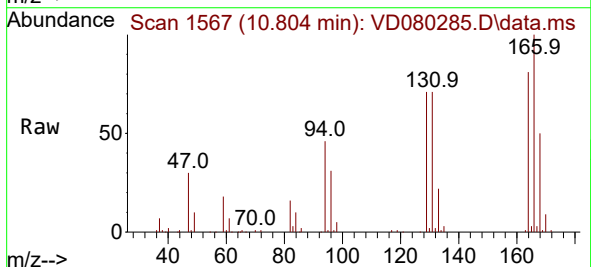
Ion Ratio Lower Upper

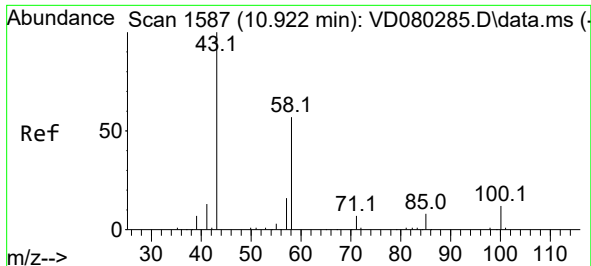
164 100

129 88.4 64.9 120.5

131 88.4 61.5 114.3

166 124.1 86.5 160.7

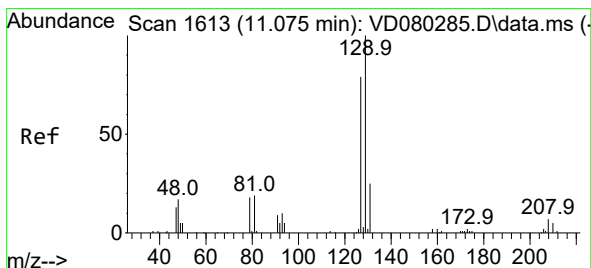
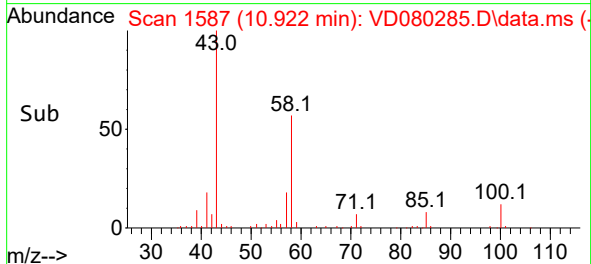
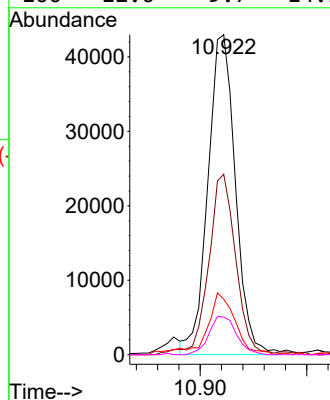
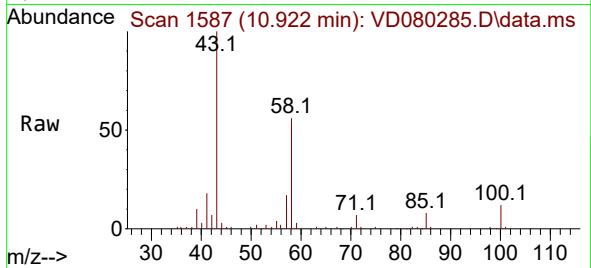




#48
2-Hexanone
Concen: 56.46 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

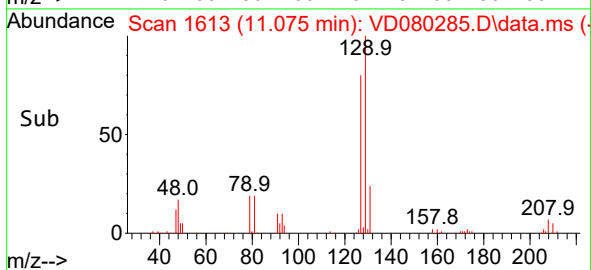
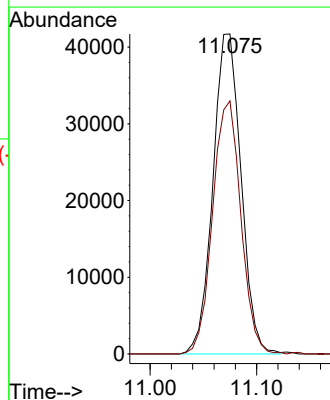
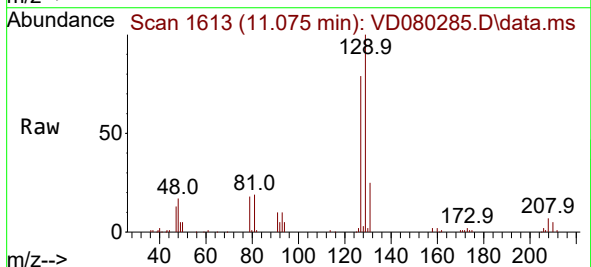
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

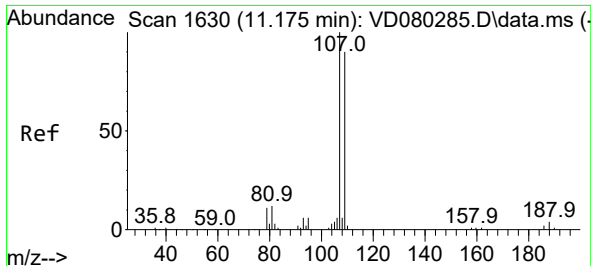
Tgt Ion:	43	Resp:	77304
Ion	Ratio	Lower	Upper
43	100		
58	54.2	42.8	64.2
57	17.5	15.0	22.4
100	12.0	9.7	14.5



#49
Dibromochloromethane
Concen: 25.30 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:	129	Resp:	76472
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.9	101.9

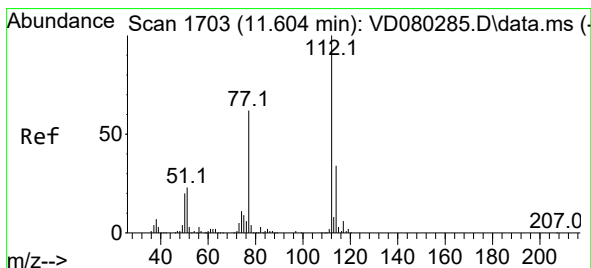
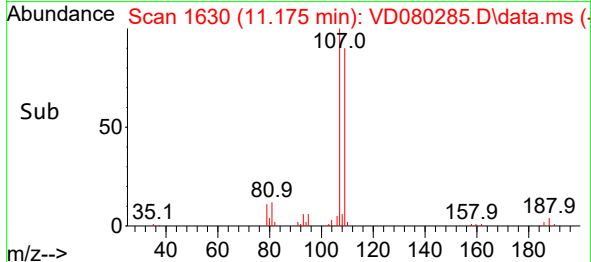
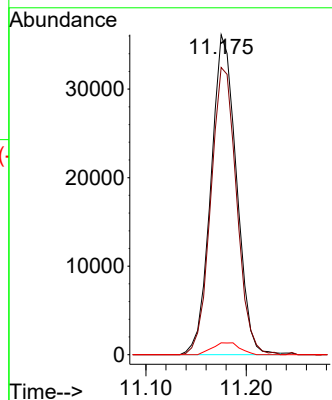
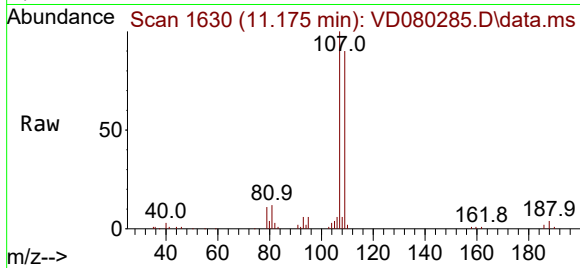




#50
1,2-Dibromoethane
Concen: 26.97 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

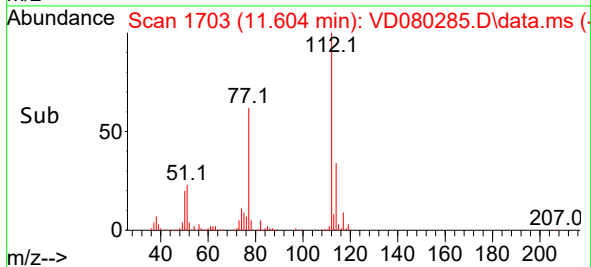
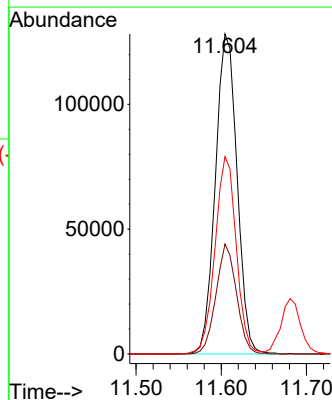
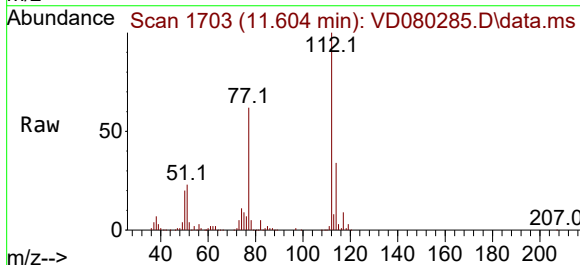
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

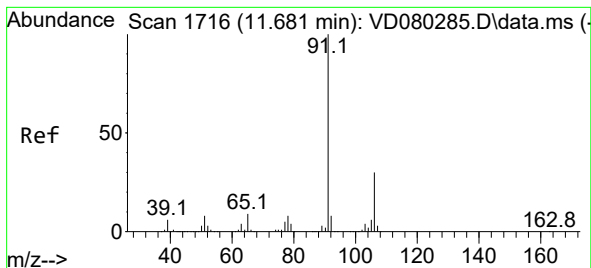
Tgt Ion:107 Resp: 63881
Ion Ratio Lower Upper
107 100
109 89.7 65.5 121.6
188 3.7 2.2 3.2#



#51
Chlorobenzene
Concen: 26.07 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:112 Resp: 227052
Ion Ratio Lower Upper
112 100
114 34.3 21.8 40.6
77 61.7 48.8 73.2

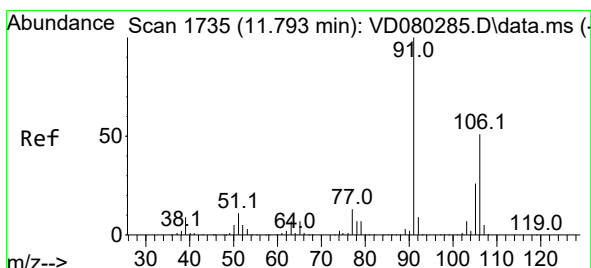
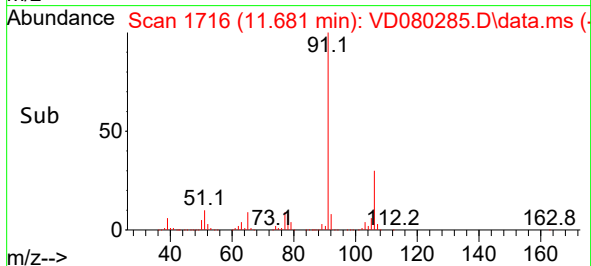
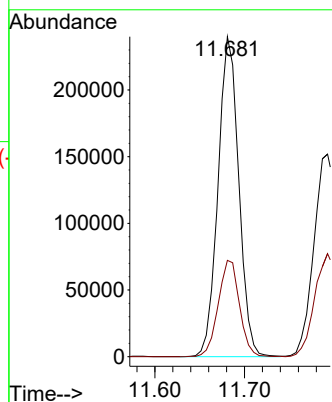
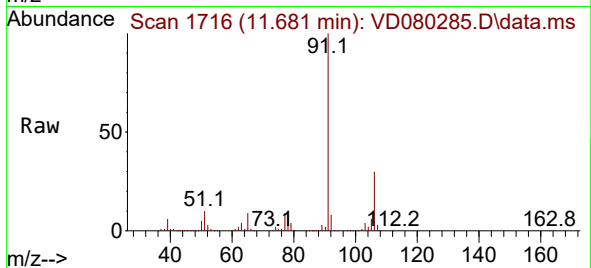




#52
Ethylbenzene
Concen: 26.91 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

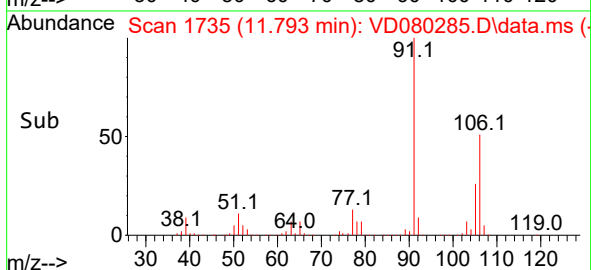
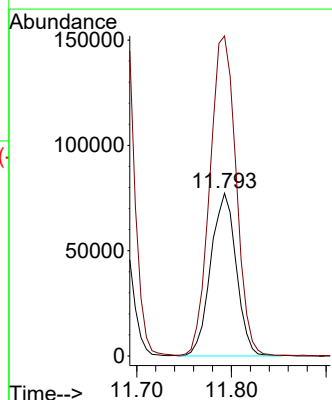
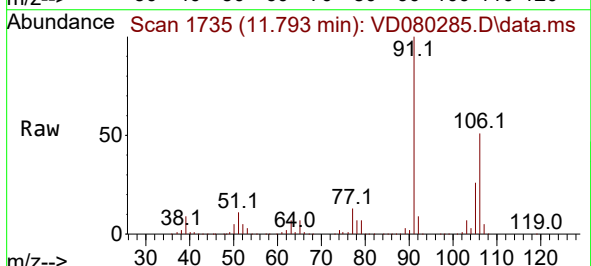
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

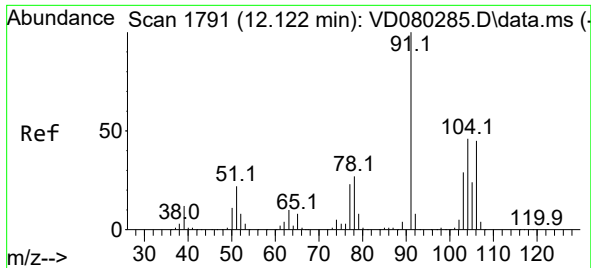
Tgt Ion: 91 Resp: 385350
Ion Ratio Lower Upper
91 100
106 30.1 21.4 39.8



#53
m,p-Xylene
Concen: 27.30 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 106 Resp: 144615
Ion Ratio Lower Upper
106 100
91 196.6 138.0 256.2

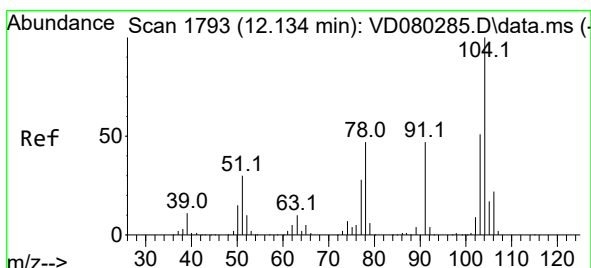
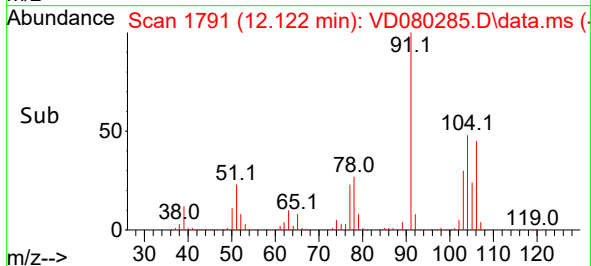
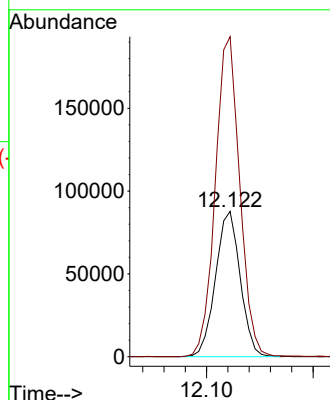
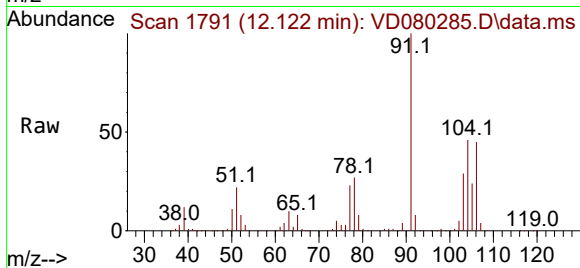




#54
o-Xylene
Concen: 28.01 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

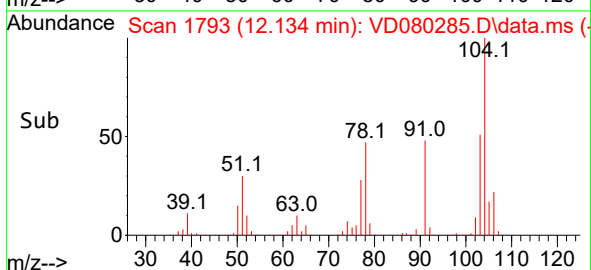
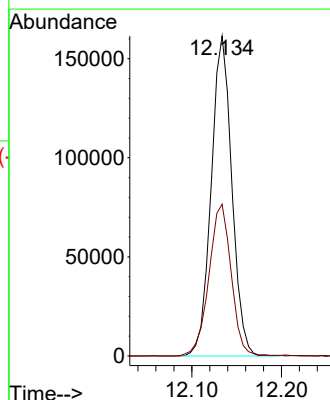
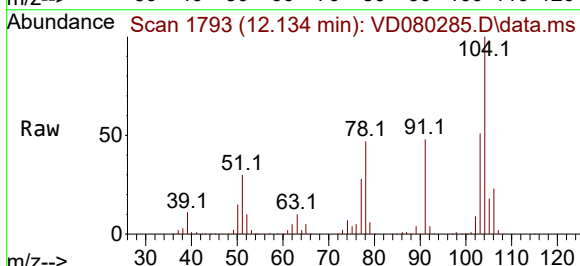
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

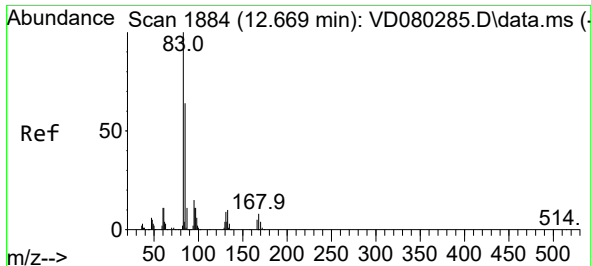
Tgt Ion:106 Resp: 140850
Ion Ratio Lower Upper
106 100
91 220.3 156.5 290.7



#55
Styrene
Concen: 28.31 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:104 Resp: 258069
Ion Ratio Lower Upper
104 100
78 47.4 32.7 60.7

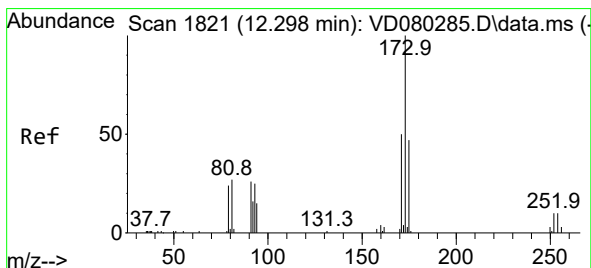
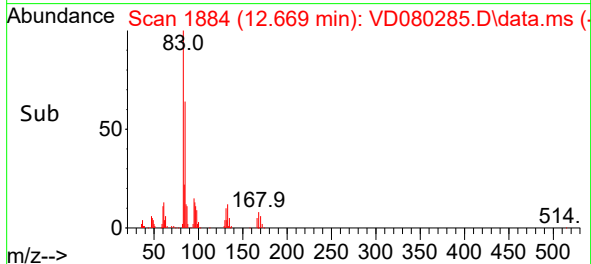
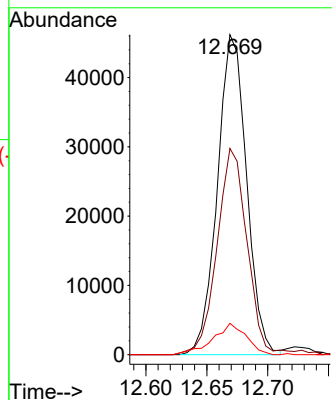
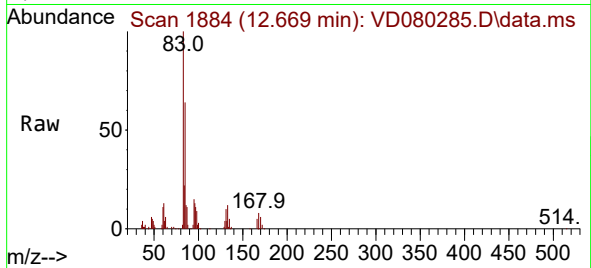




#57
1,1,2,2-Tetrachloroethane
Concen: 23.84 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

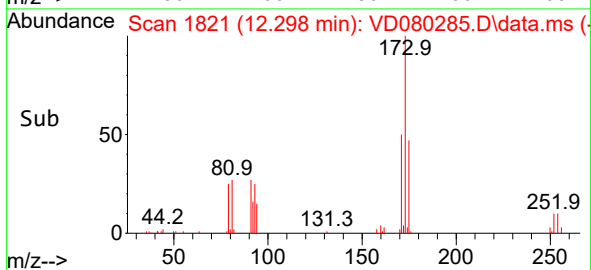
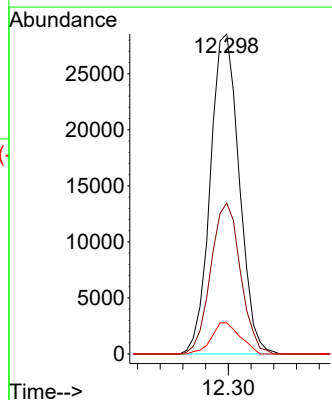
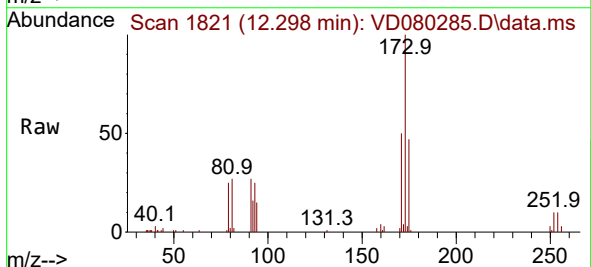
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

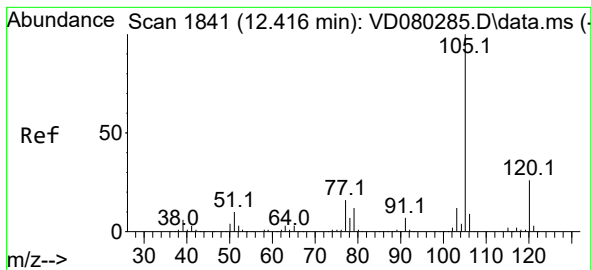
Tgt Ion: 83 Resp: 77183
Ion Ratio Lower Upper
83 100
85 64.5 46.1 85.7
131 9.8 6.9 10.3



#59
Bromoform
Concen: 29.60 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion: 173 Resp: 50533
Ion Ratio Lower Upper
173 100
175 48.4 38.8 58.2
254 9.7 7.8 11.6





#60

Isopropylbenzene

Concen: 30.44 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

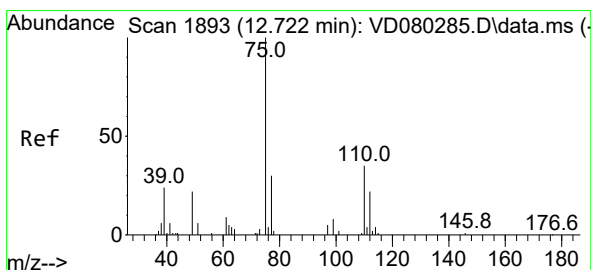
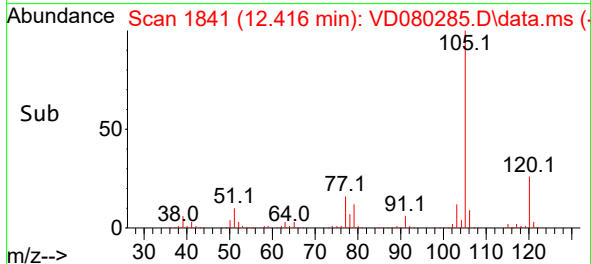
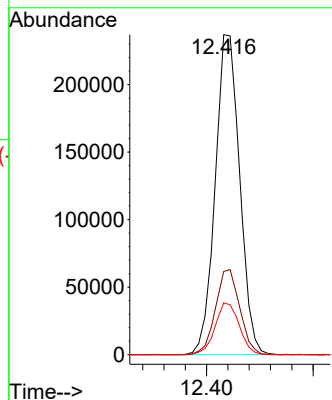
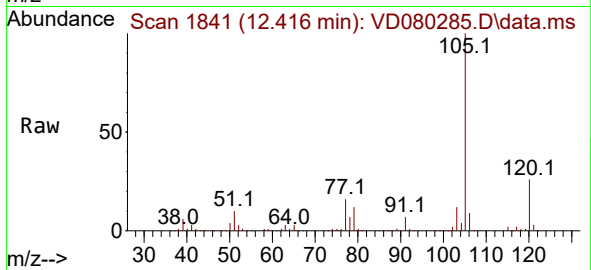
Tgt Ion:105 Resp: 377714

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0

77 16.0 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 25.95 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

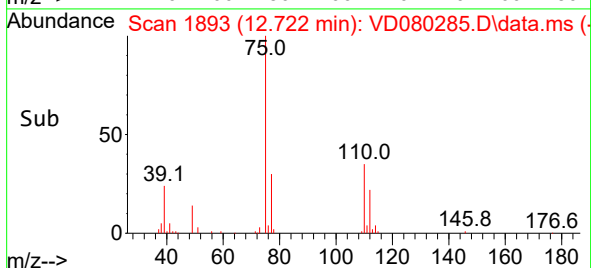
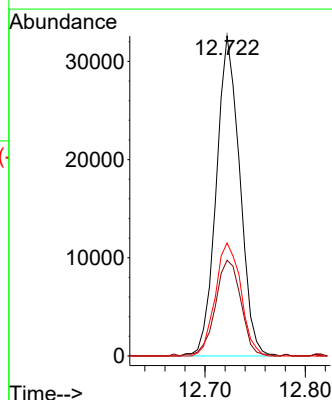
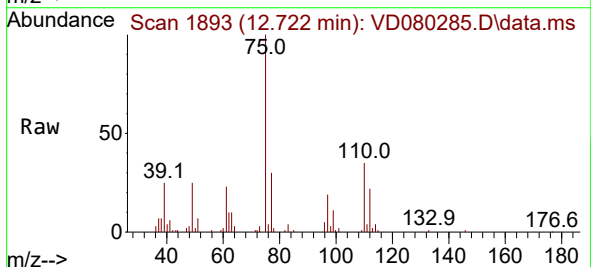
Tgt Ion: 75 Resp: 52993

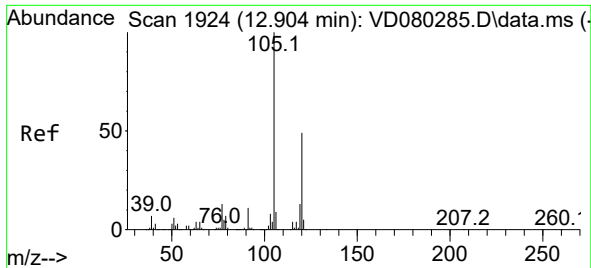
Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

110 38.4 30.7 46.1

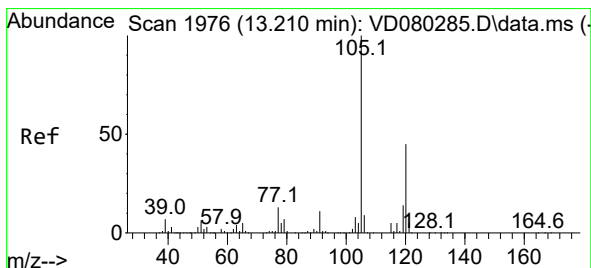
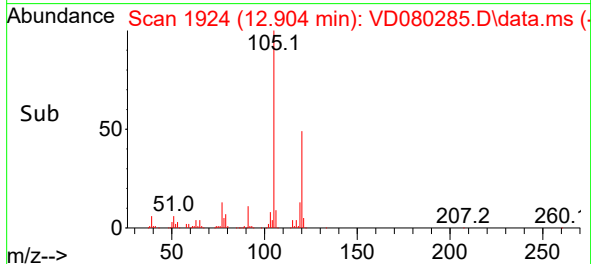
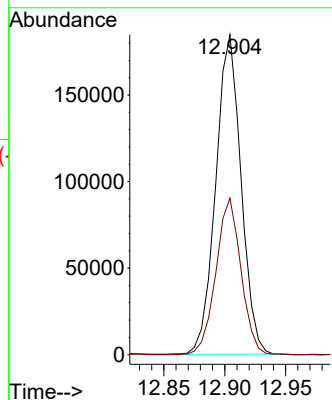
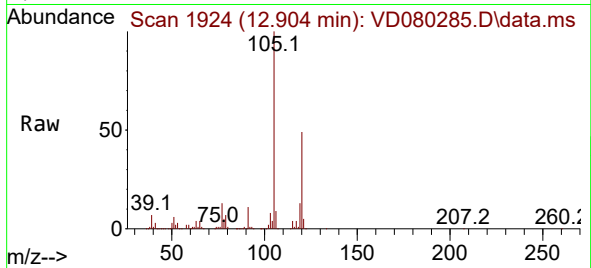




#62
 1,3,5-Trimethylbenzene
 Concen: 27.30 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

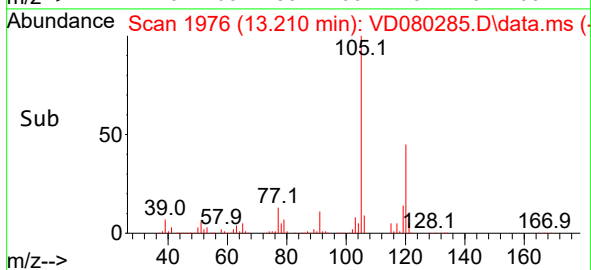
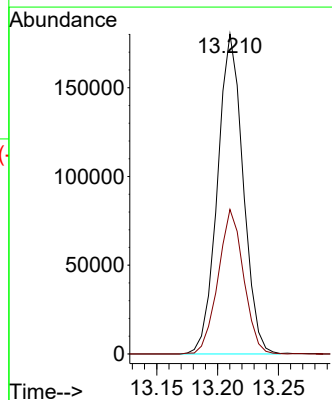
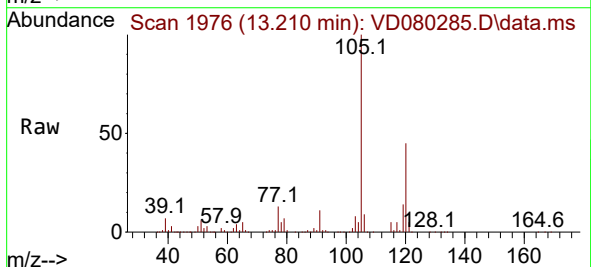
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02507

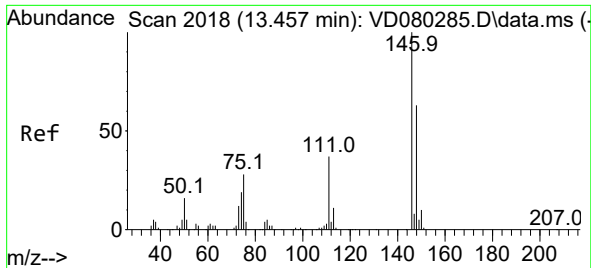
Tgt Ion:105 Resp: 266860
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 26.59 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

Tgt Ion:105 Resp: 264184
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.2 54.4

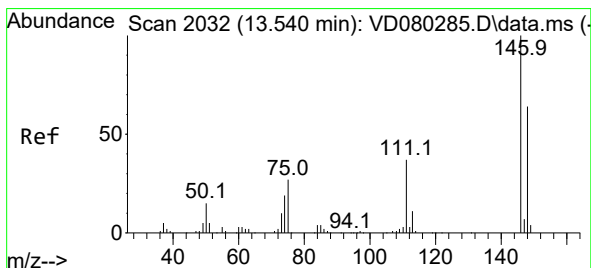
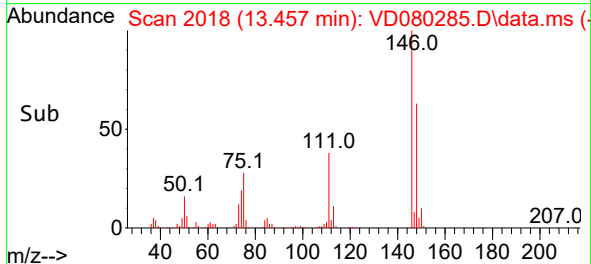
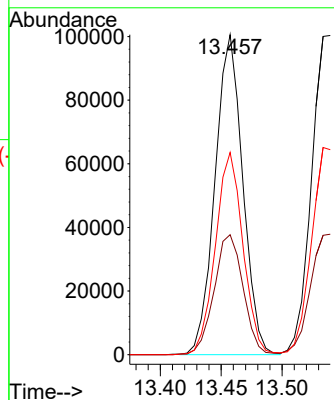
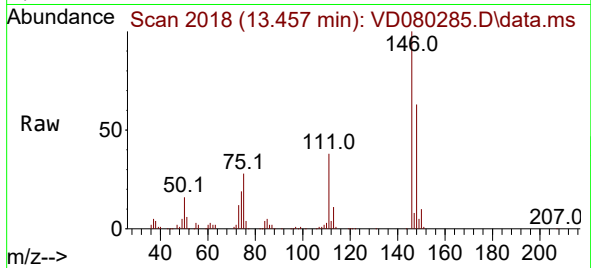




#64
1,3-Dichlorobenzene
Concen: 25.66 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

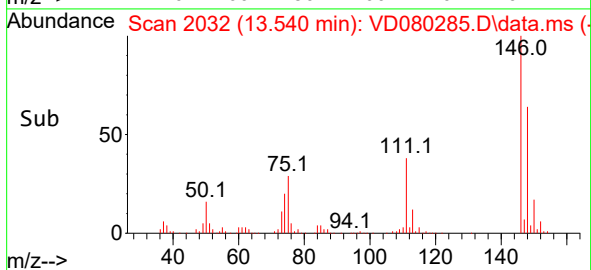
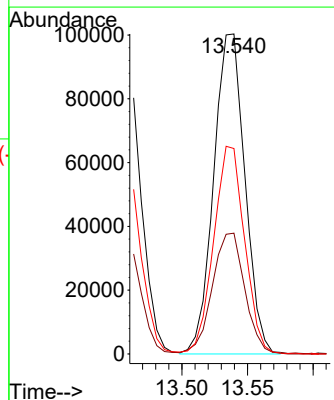
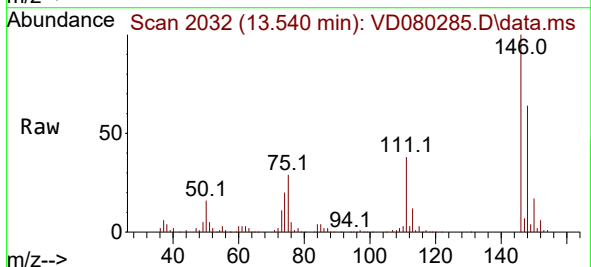
Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

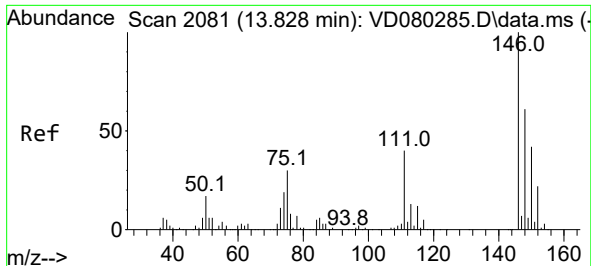
Tgt Ion:146 Resp: 159097
Ion Ratio Lower Upper
146 100
111 37.5 26.9 49.9
148 63.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 24.90 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:146 Resp: 166234
Ion Ratio Lower Upper
146 100
111 37.8 27.9 51.7
148 64.2 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 25.88 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD02507

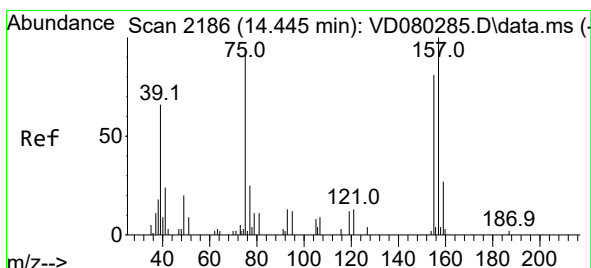
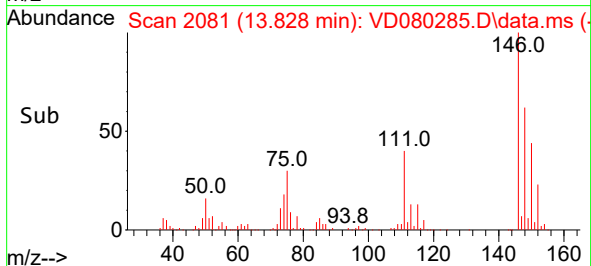
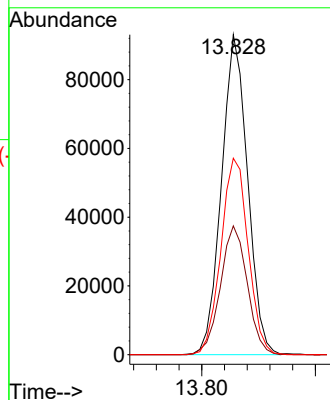
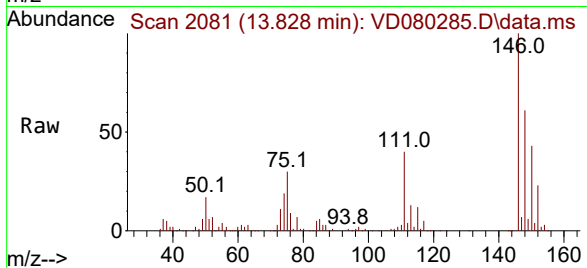
Tgt Ion:146 Resp: 148323

Ion Ratio Lower Upper

146 100

111 40.3 34.2 51.2

148 61.4 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 23.23 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD080285.D

Acq: 19 Mar 2025 10:19

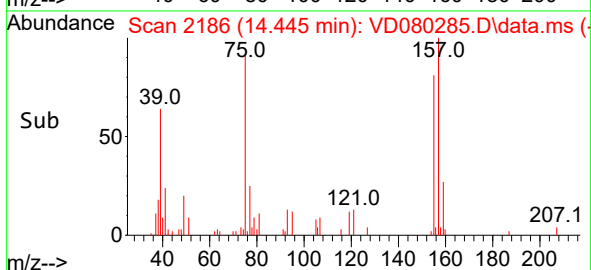
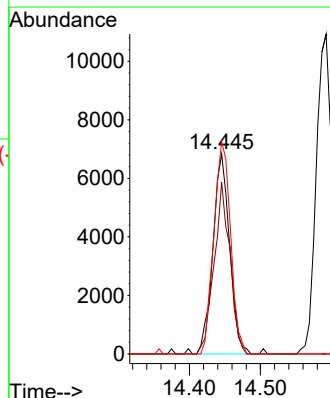
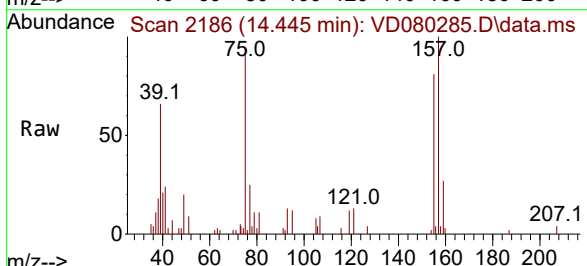
Tgt Ion: 75 Resp: 11227

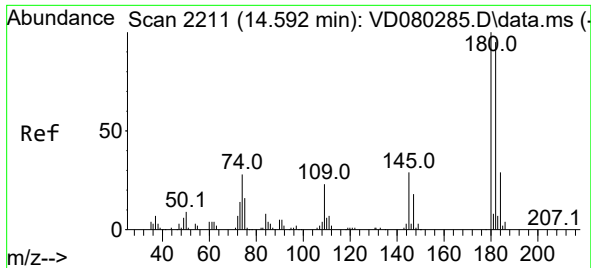
Ion Ratio Lower Upper

75 100

155 85.9 71.5 107.3

157 106.3 73.5 110.3

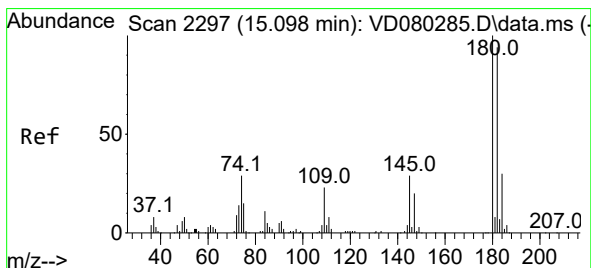
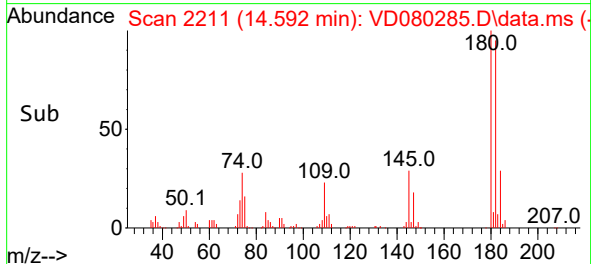
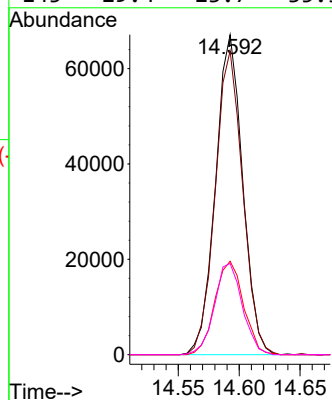
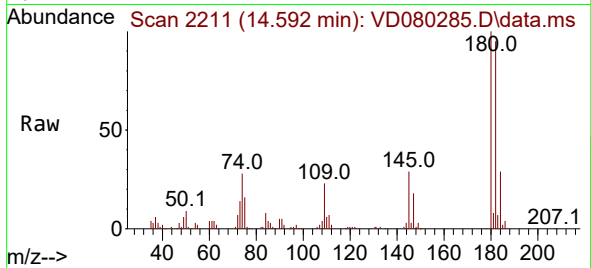




#69
 1,3,5-Trichlorobenzene
 Concen: 25.47 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

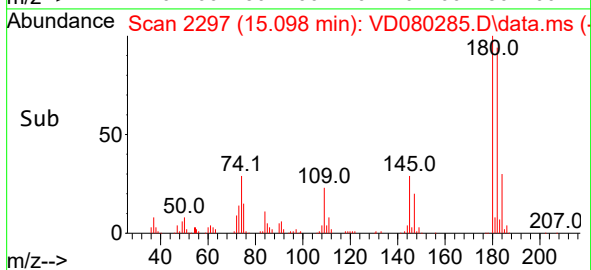
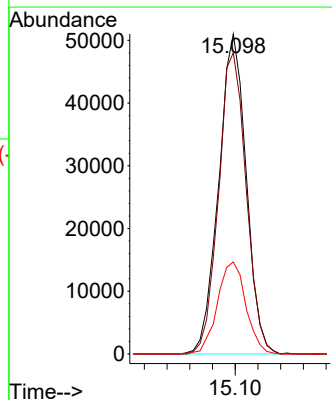
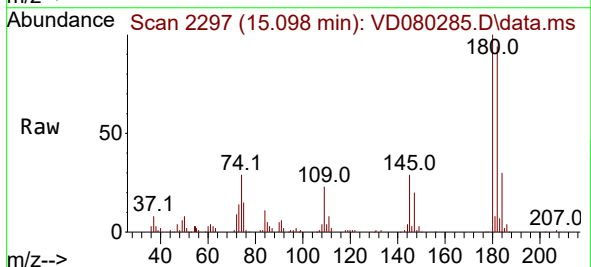
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02507

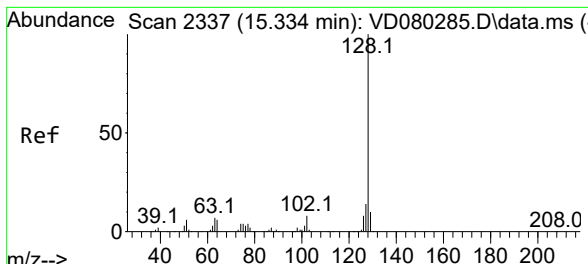
Tgt Ion:180 Resp: 103897
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.4
 184 30.8 24.0 36.0
 145 29.4 23.7 35.5



#70
 1,2,4-trichlorobenzene
 Concen: 25.24 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD080285.D
 Acq: 19 Mar 2025 10:19

Tgt Ion:180 Resp: 85760
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.0
 145 29.7 23.1 34.7

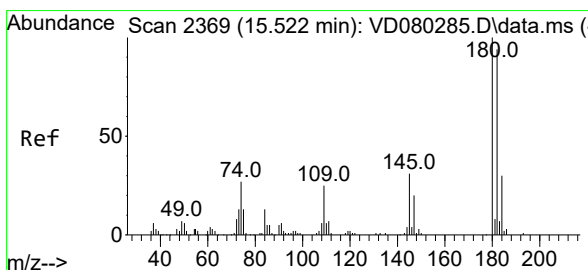
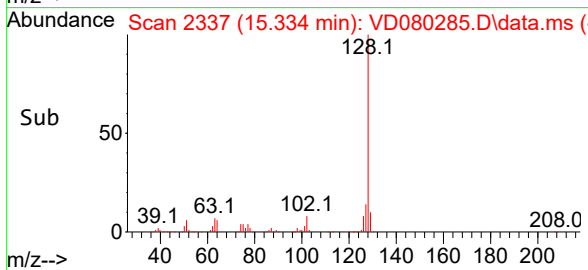
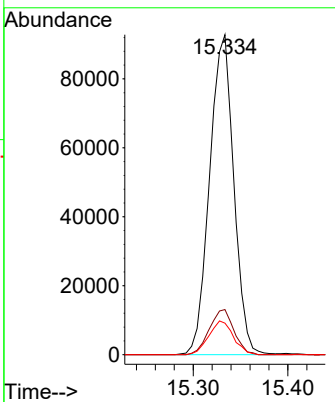
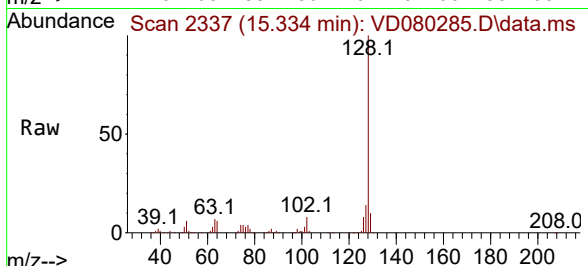




#71
Naphthalene
Concen: 25.80 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTD02507

Tgt Ion:	128	Resp:	164664
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.4	17.2
129	10.7	9.0	13.4



#72
1,2,3-Trichlorobenzene
Concen: 26.45 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD080285.D
Acq: 19 Mar 2025 10:19

Tgt Ion:	180	Resp:	81134
Ion Ratio	Lower	Upper	
180	100		
182	96.0	73.8	110.6
145	30.7	24.8	37.2

