

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080455.D
 Acq On : 18 Jun 2025 14:58
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

Quant Time: Jun 19 09:21:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 09:10:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	173781	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	167372	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	96426	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	69482	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
7) Chloroethane-d5	2.806	69	59498	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
11) 1,1-Dichloroethene-d2	3.917	65	24451	24.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.40%
21) 2-Butanone-d5	6.988	46	27953	57.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.44%
24) Chloroform-d	7.570	84	120990	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.229	65	65048	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
32) Benzene-d6	8.200	84	240129	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
36) 1,2-Dichloropropane-d6	9.211	67	76390	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	10.270	98	231554	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.64%
43) trans-1,3-Dichloroprop...	10.523	79	33855	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.64%
47) 2-Hexanone-d5	10.876	63	26089	56.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.78%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	74834	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
66) 1,2-Dichlorobenzene-d4	13.811	152	88472	25.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.20%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	73891	26.88	ug/L	99
3) Chloromethane	2.147	50	68692	26.62	ug/L	99
5) Vinyl chloride	2.282	62	88167	28.00	ug/L	97
6) Bromomethane	2.694	94	48648	24.88	ug/L	95
8) Chloroethane	2.841	64	56316	25.98	ug/L	100
9) Trichlorofluoromethane	3.176	101	124402	28.78	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	79480	29.63	ug/L	98
12) 1,1-Dichloroethene	3.941	96	65079	29.87	ug/L	98
13) Acetone	4.017	43	33336	80.08	ug/L	99
14) Carbon disulfide	4.270	76	213350	28.86	ug/L	99
15) Methyl Acetate	4.559	43	32436	32.31	ug/L #	77
16) Methylene chloride	4.800	84	86836	32.24	ug/L	92
17) trans-1,2-Dichloroethene	5.312	96	72997	31.99	ug/L	95
18) Methyl tert-butyl Ether	5.317	73	149181	32.49	ug/L	99
19) 1,1-Dichloroethane	6.112	63	129049	30.16	ug/L	98
20) cis-1,2-Dichloroethene	7.076	96	79061	31.78	ug/L	91
22) 2-Butanone	7.088	43	42459	70.25	ug/L	99
23) Bromochloromethane	7.429	128	42704	31.94	ug/L	91
25) Chloroform	7.600	83	149471	30.34	ug/L	94

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

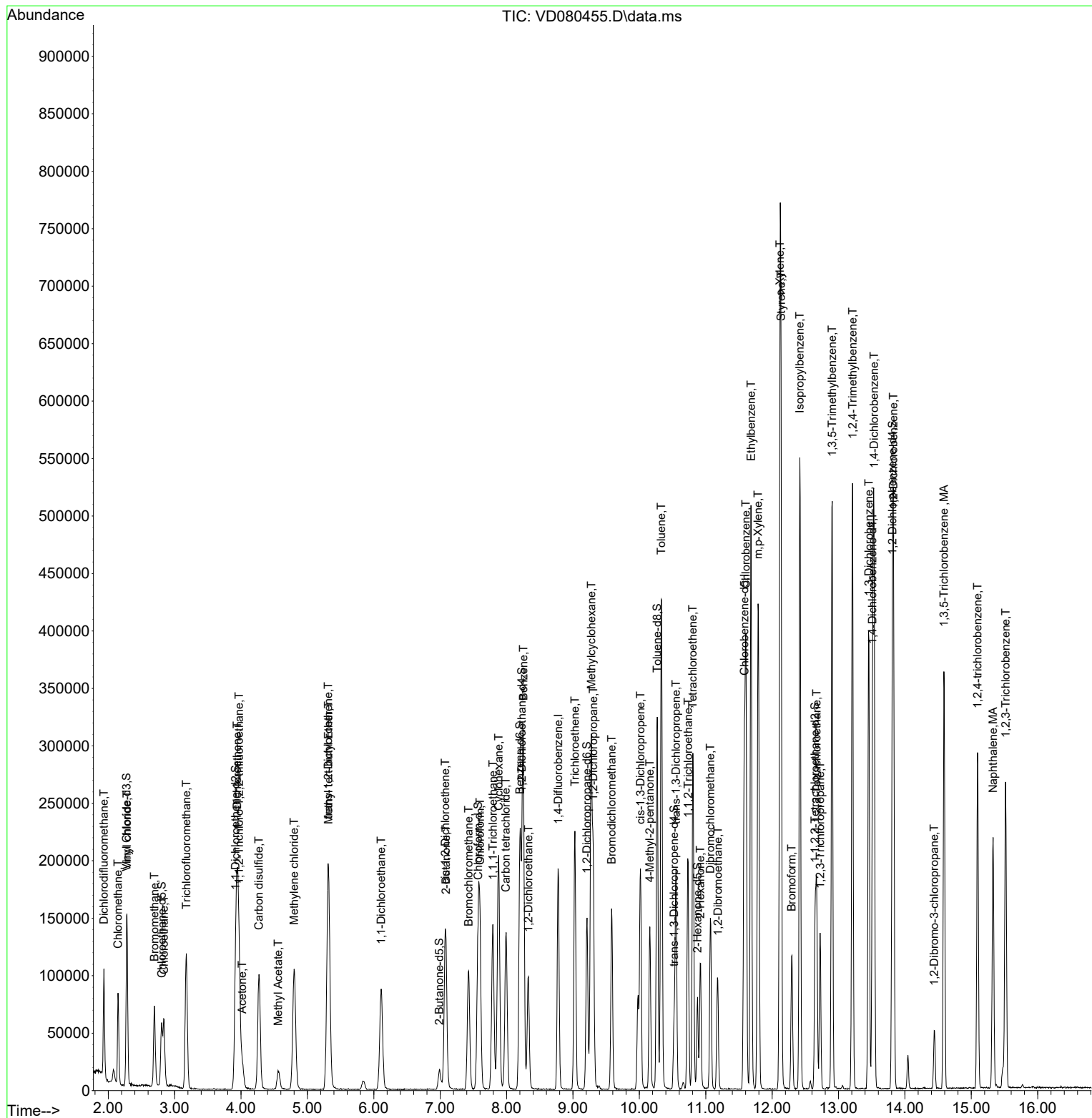
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.329	62	87433	31.63	ug/L	99
29) Cyclohexane	7.882	56	107772	31.02	ug/L	98
30) 1,1,1-Trichloroethane	7.794	97	120576	30.55	ug/L	98
31) Carbon tetrachloride	7.988	117	112286	29.65	ug/L	99
33) Benzene	8.253	78	296109	32.25	ug/L	100
34) Trichloroethene	9.029	95	79231	29.92	ug/L	90
35) Methylcyclohexane	9.276	83	122692	31.35	ug/L	99
37) 1,2-Dichloropropane	9.305	63	83779	32.72	ug/L	100
38) Bromodichloromethane	9.582	83	105859	31.45	ug/L #	96
39) cis-1,3-Dichloropropene	10.017	75	123495	32.23	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	92228	70.28	ug/L	98
42) Toluene	10.329	91	337883	33.29	ug/L	94
44) trans-1,3-Dichloropropene	10.552	75	109461	33.75	ug/L	95
45) 1,1,2-Trichloroethane	10.735	97	67833	32.60	ug/L	96
46) Tetrachloroethene	10.805	164	73610	31.08	ug/L	98
48) 2-Hexanone	10.917	43	71689	74.97	ug/L	99
49) Dibromochloromethane	11.070	129	86028	33.85	ug/L	98
50) 1,2-Dibromoethane	11.182	107	67225	33.51	ug/L	97
51) Chlorobenzene	11.605	112	220846	31.55	ug/L	100
52) Ethylbenzene	11.682	91	359790	32.69	ug/L	99
53) m,p-Xylene	11.788	106	142159	32.91	ug/L	91
54) o-Xylene	12.117	106	136749	33.59	ug/L	98
55) Styrene	12.135	104	254347	35.43	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.670	83	85738	33.74	ug/L	96
59) Bromoform	12.294	173	58351	30.85	ug/L	98
60) Isopropylbenzene	12.417	105	361054	31.64	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	55826	30.87	ug/L	99
62) 1,3,5-Trimethylbenzene	12.905	105	280509	31.87	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	281889	32.43	ug/L	99
64) 1,3-Dichlorobenzene	13.458	146	184550	30.88	ug/L	97
65) 1,4-Dichlorobenzene	13.535	146	189148	30.41	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	171605	31.80	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	13940	32.90	ug/L	87
69) 1,3,5-Trichlorobenzene	14.588	180	124071	30.05	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	103621	30.67	ug/L	100
71) Naphthalene	15.329	128	199229	32.44	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	100505	31.72	ug/L	99

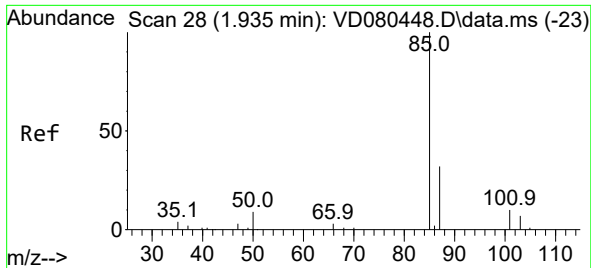
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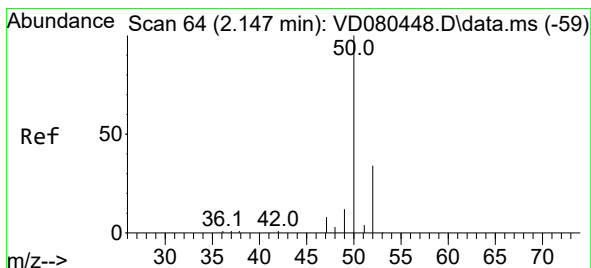
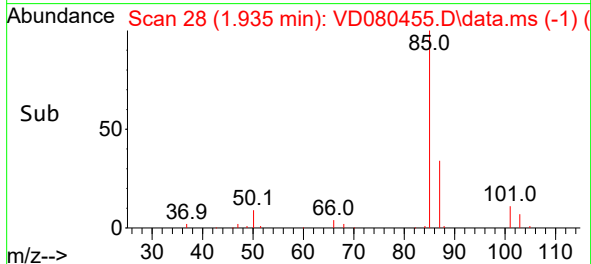
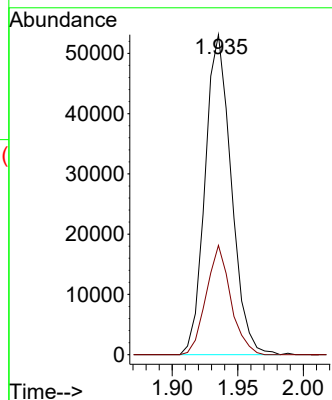
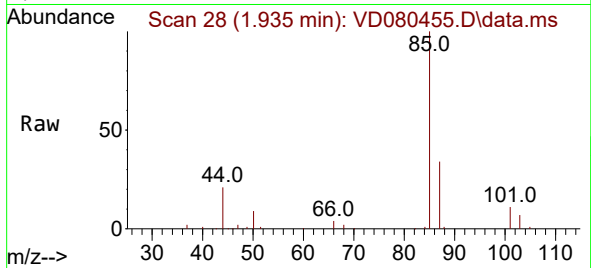




#2
 Dichlorodifluoromethane
 Concen: 26.88 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

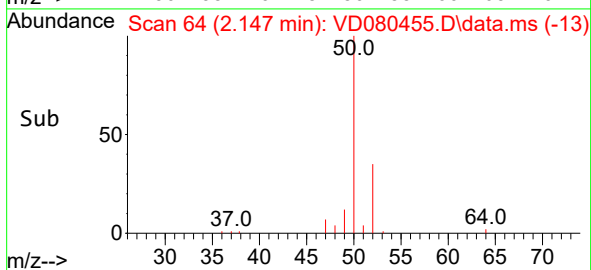
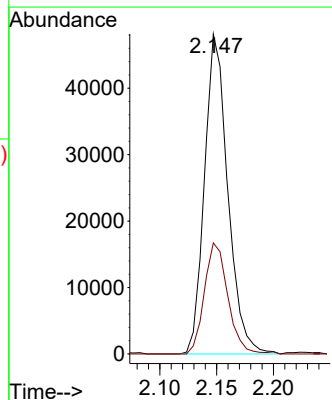
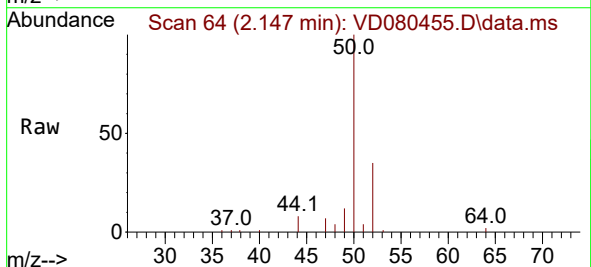
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

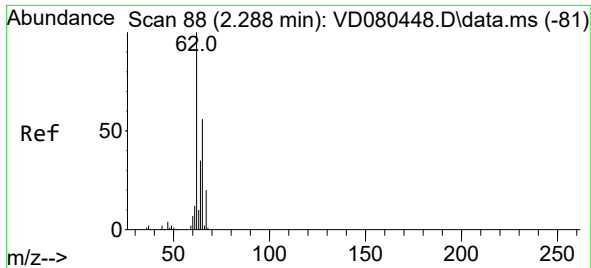
Tgt Ion: 85 Resp: 73891
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 26.62 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

Tgt Ion: 50 Resp: 68692
 Ion Ratio Lower Upper
 50 100
 52 34.7 23.8 44.2

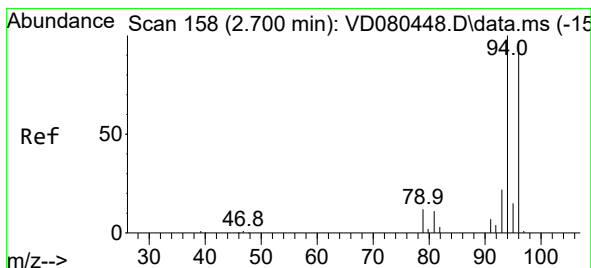
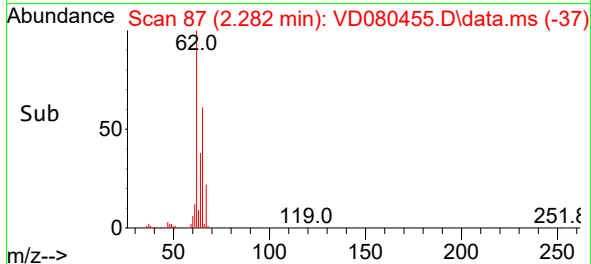
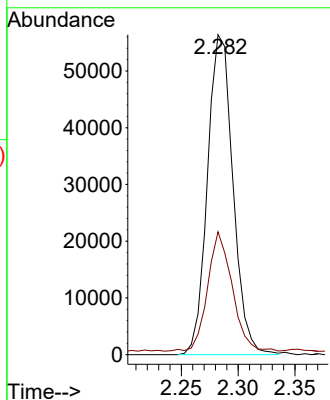
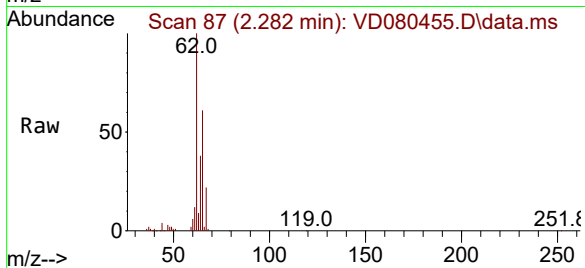




#5
 Vinyl chloride
 Concen: 28.00 ug/L
 RT: 2.282 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

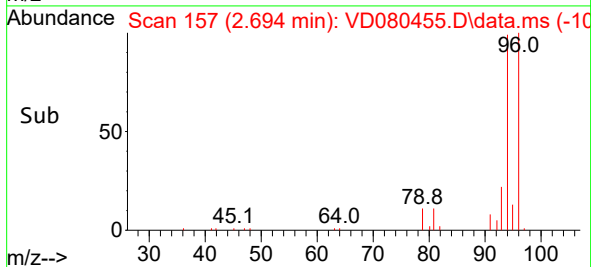
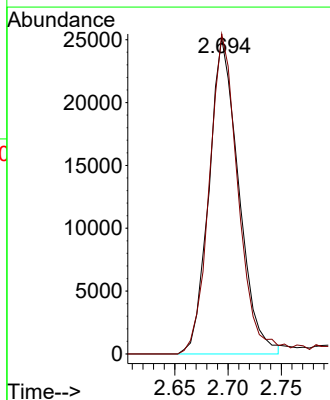
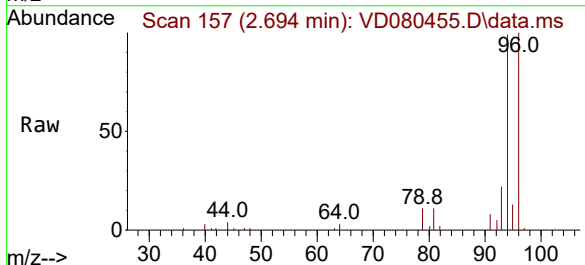
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

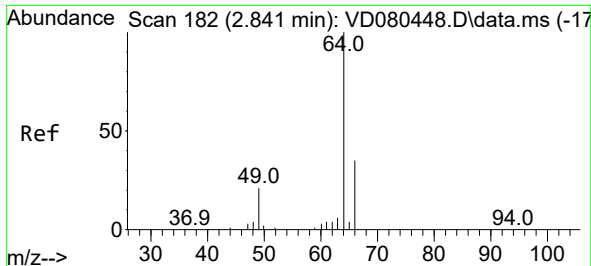
Tgt Ion: 62 Resp: 88167
 Ion Ratio Lower Upper
 62 100
 64 38.4 25.6 47.6



#6
 Bromomethane
 Concen: 24.88 ug/L
 RT: 2.694 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

Tgt Ion: 94 Resp: 48648
 Ion Ratio Lower Upper
 94 100
 96 101.3 67.6 125.6

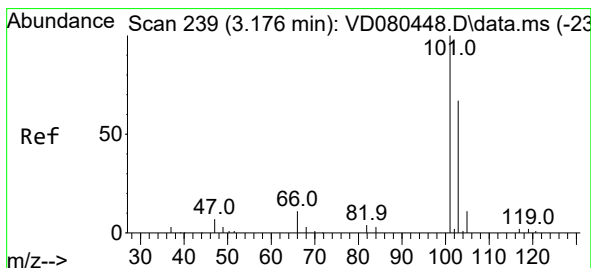
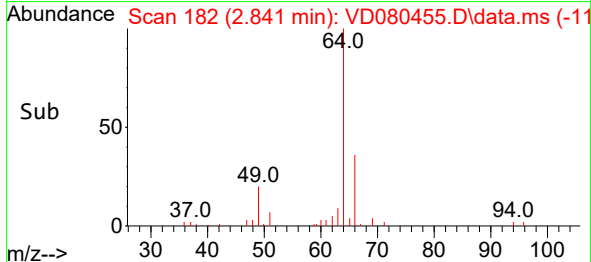
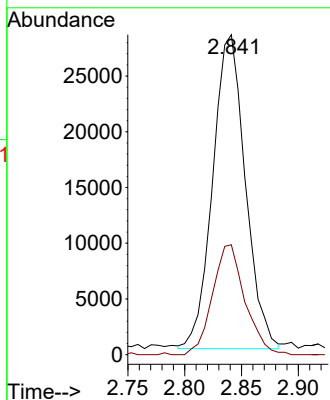
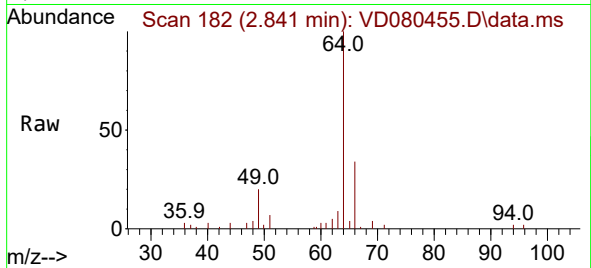




#8
Chloroethane
Concen: 25.98 ug/L
RT: 2.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

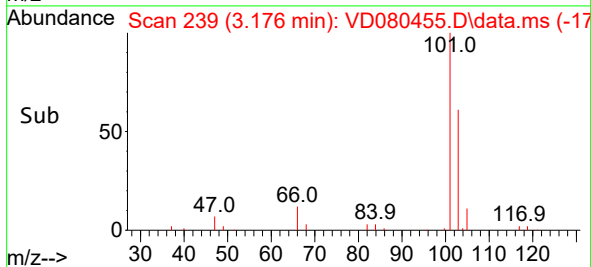
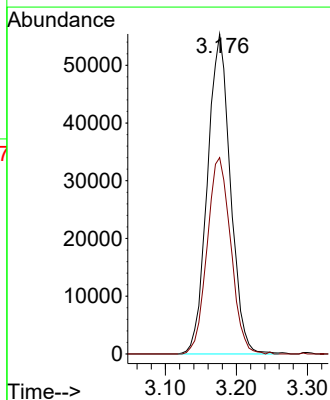
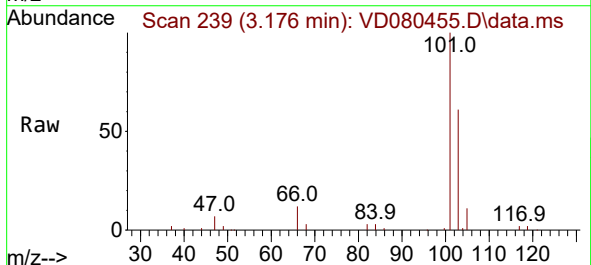
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MSVOA_D
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VSTD025507

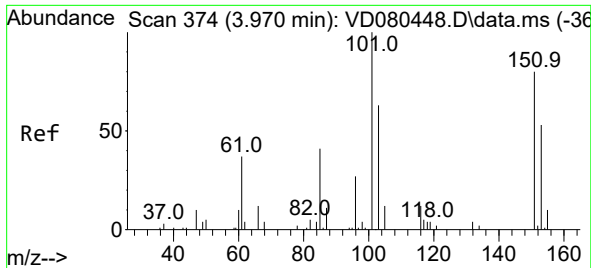
Tgt Ion: 64 Resp: 56316
Ion Ratio Lower Upper
64 100
66 34.4 23.9 44.3



#9
Trichlorofluoromethane
Concen: 28.78 ug/L
RT: 3.176 min Scan# 239
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion:101 Resp: 124402
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.4

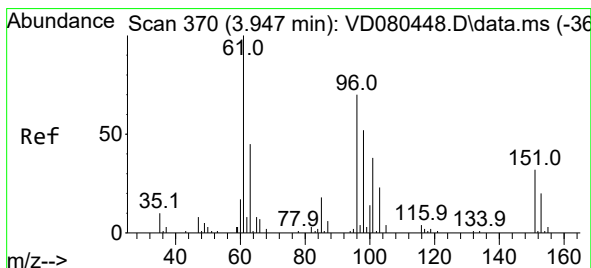
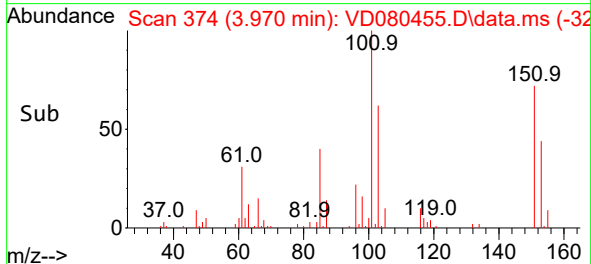
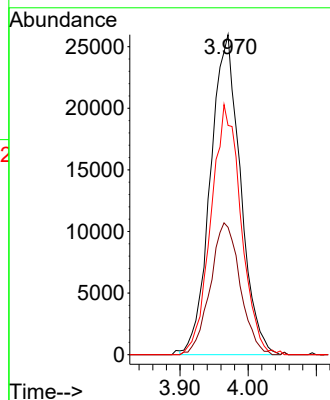
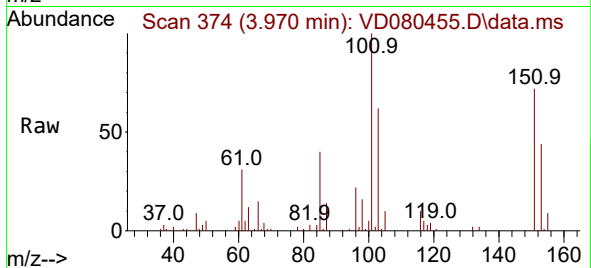




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 29.63 ug/L
 RT: 3.970 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

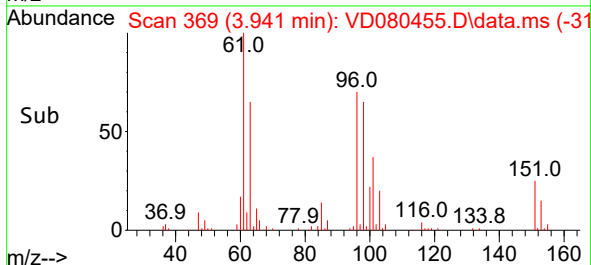
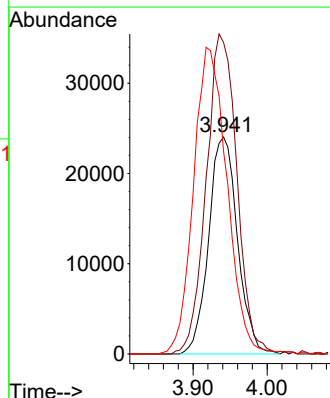
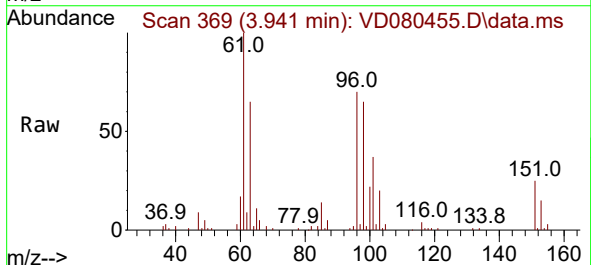
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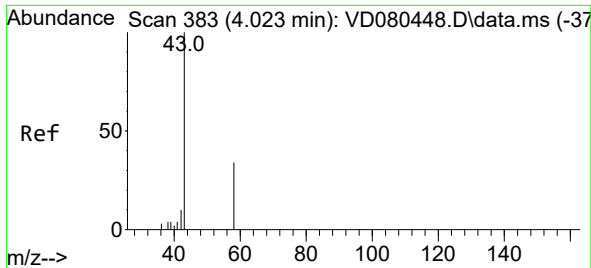
Tgt Ion:101 Resp: 79480
 Ion Ratio Lower Upper
 101 100
 85 41.0 32.0 48.0
 151 78.2 63.7 95.5



#12
 1,1-Dichloroethene
 Concen: 29.87 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. -0.006 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

Tgt Ion: 96 Resp: 65079
 Ion Ratio Lower Upper
 96 100
 61 143.6 103.0 191.4
 63 93.4 66.4 123.2





#13

Acetone

Concen: 80.08 ug/L

RT: 4.017 min Scan# 3

Delta R.T. -0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

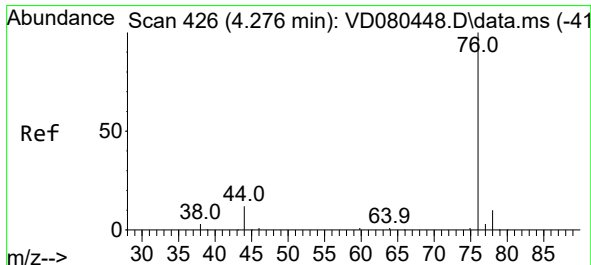
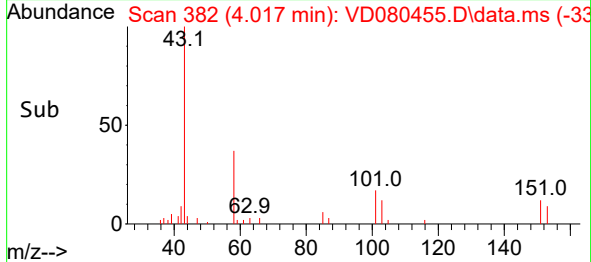
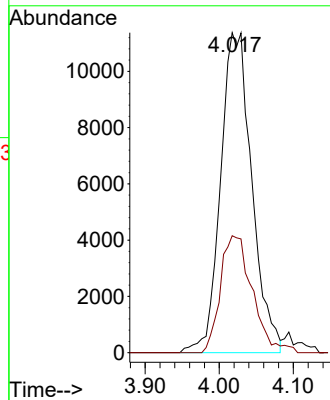
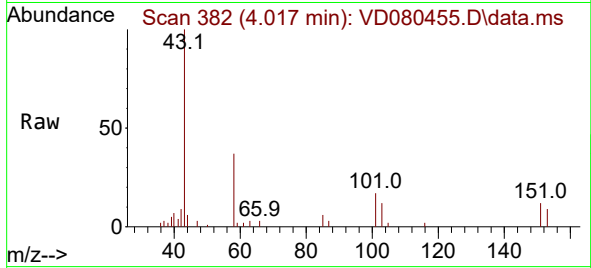
VSTD025507

Tgt Ion: 43 Resp: 33336

Ion Ratio Lower Upper

43 100

58 36.0 0.0 71.0



#14

Carbon disulfide

Concen: 28.86 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.006 min

Lab File: VD080455.D

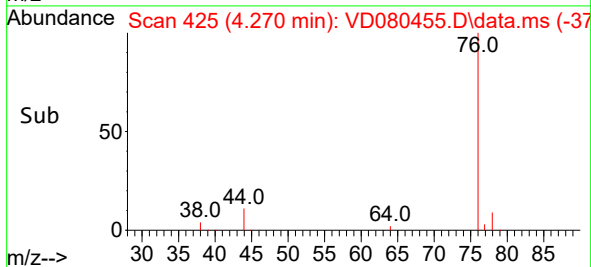
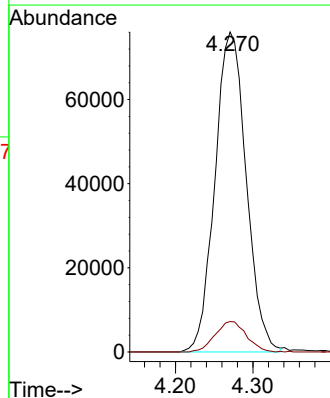
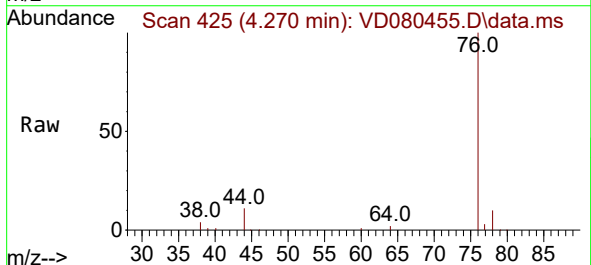
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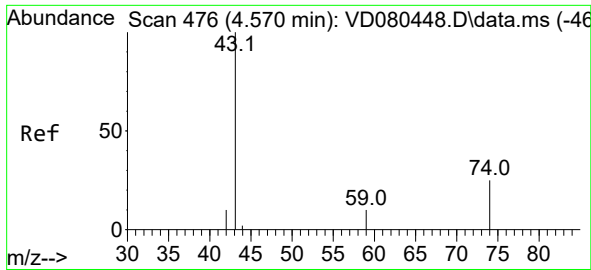
Tgt Ion: 76 Resp: 213350

Ion Ratio Lower Upper

76 100

78 9.5 7.9 11.9





#15

Methyl Acetate

Concen: 32.31 ug/L

RT: 4.559 min Scan# 41

Delta R.T. -0.011 min

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ClientSampleId :

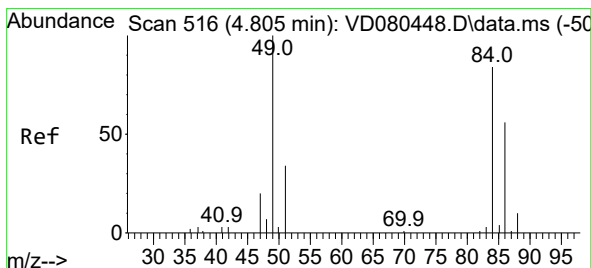
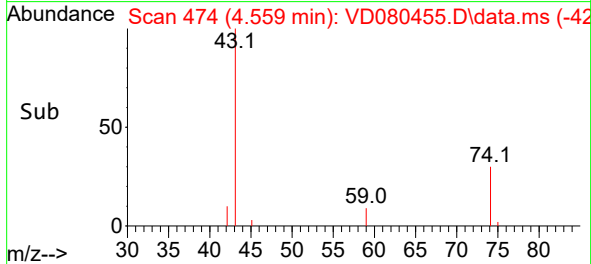
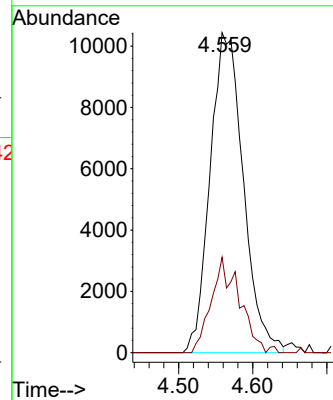
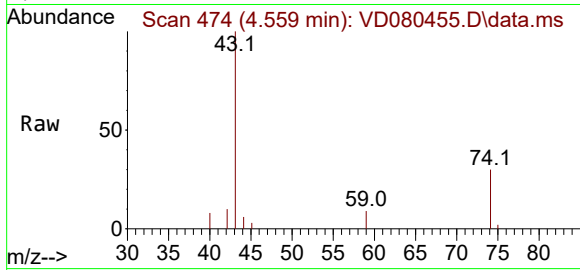
VSTD025507

Tgt Ion: 43 Resp: 32436

Ion Ratio Lower Upper

43 100

74 14.0 20.3 30.5#



#16

Methylene chloride

Concen: 32.24 ug/L

RT: 4.800 min Scan# 515

Delta R.T. -0.005 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

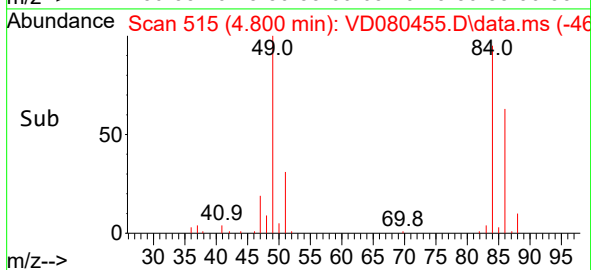
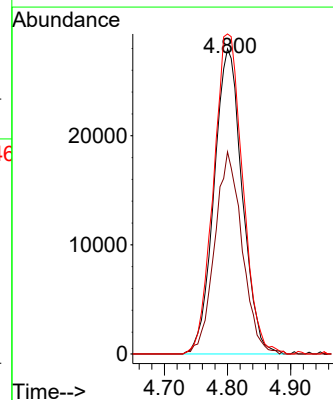
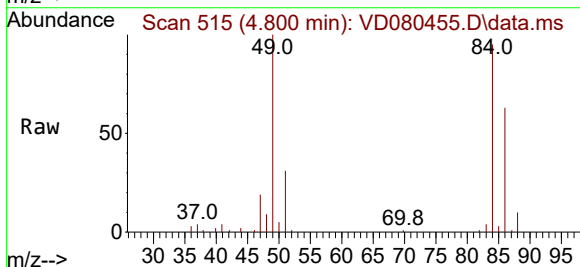
Tgt Ion: 84 Resp: 86836

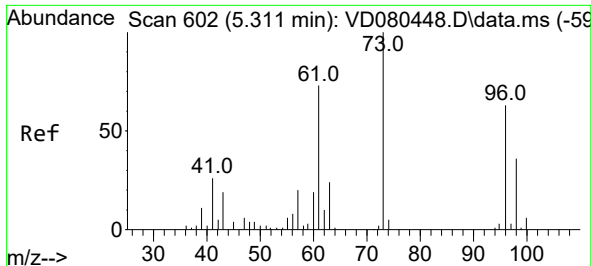
Ion Ratio Lower Upper

84 100

86 66.2 46.7 86.7

49 104.9 83.0 154.1





#17

trans-1,2-Dichloroethene

Concen: 31.99 ug/L

RT: 5.312 min Scan# 602

Delta R.T. 0.001 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

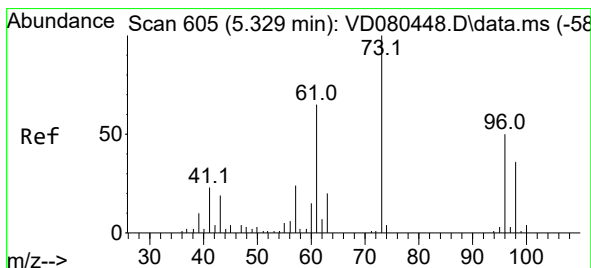
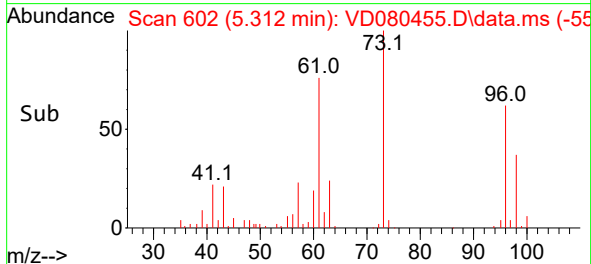
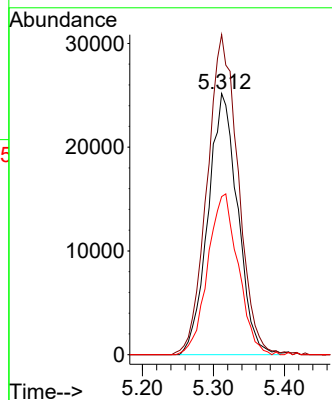
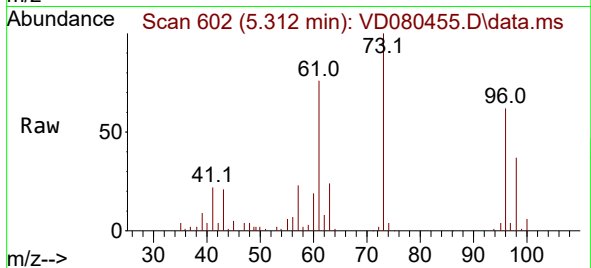
Tgt Ion: 96 Resp: 72997

Ion Ratio Lower Upper

96 100

61 122.5 82.0 152.2

98 60.5 40.3 74.8



#18

Methyl tert-butyl Ether

Concen: 32.49 ug/L

RT: 5.317 min Scan# 603

Delta R.T. -0.012 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

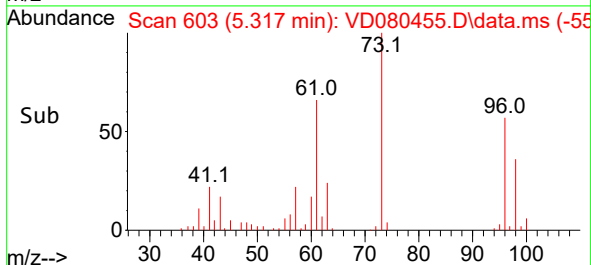
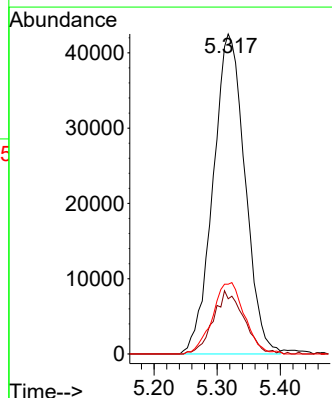
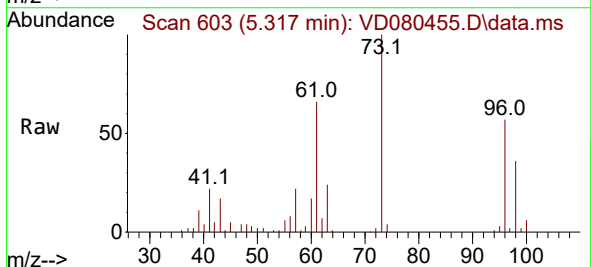
Tgt Ion: 73 Resp: 149181

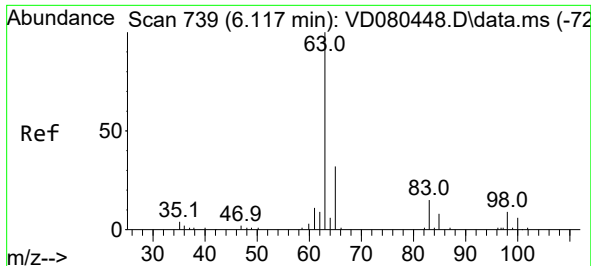
Ion Ratio Lower Upper

73 100

43 18.8 15.8 23.8

57 22.3 17.6 26.4

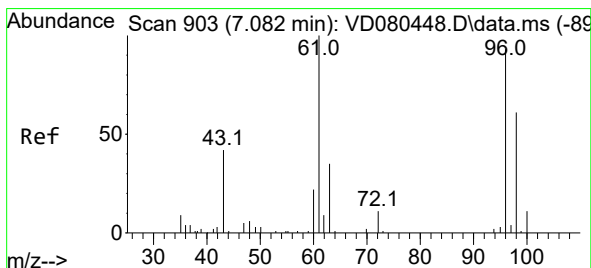
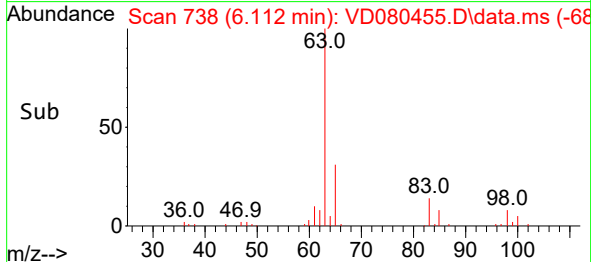
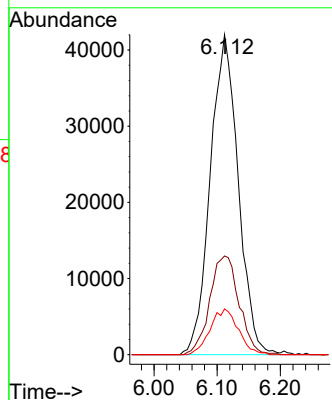
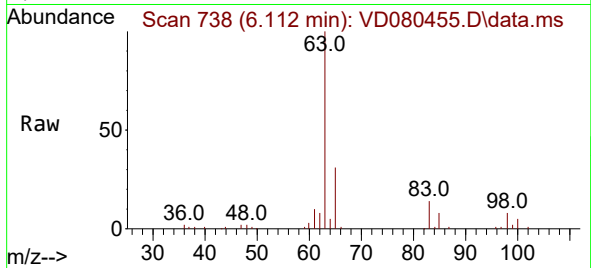




#19
 1,1-Dichloroethane
 Concen: 30.16 ug/L
 RT: 6.112 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

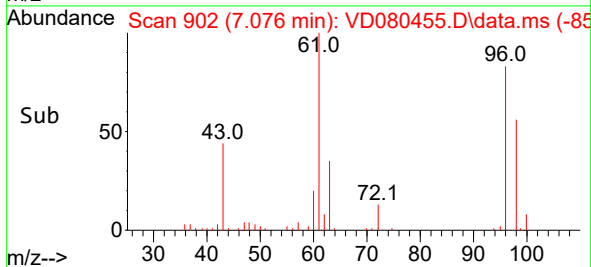
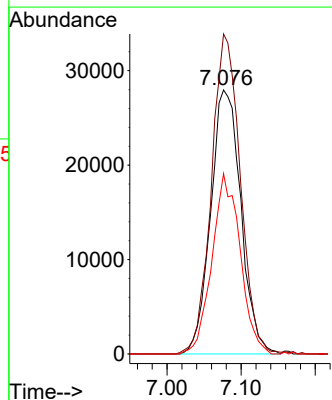
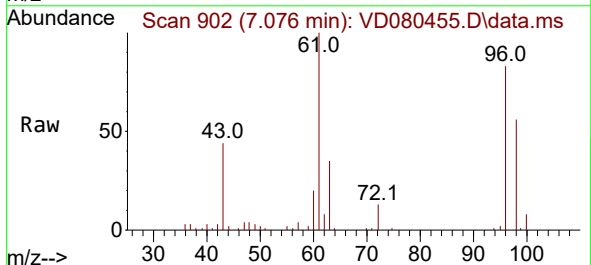
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

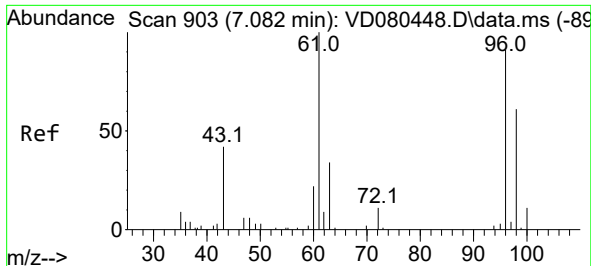
Tgt Ion: 63 Resp: 129049
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.0 41.0
 83 14.3 10.8 20.0



#20
 cis-1,2-Dichloroethene
 Concen: 31.78 ug/L
 RT: 7.076 min Scan# 902
 Delta R.T. -0.006 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

Tgt Ion: 96 Resp: 79061
 Ion Ratio Lower Upper
 96 100
 61 121.2 75.8 140.8
 98 68.3 45.9 85.3





#22

2-Butanone

Concen: 70.25 ug/L

RT: 7.088 min Scan# 903

Delta R.T. 0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

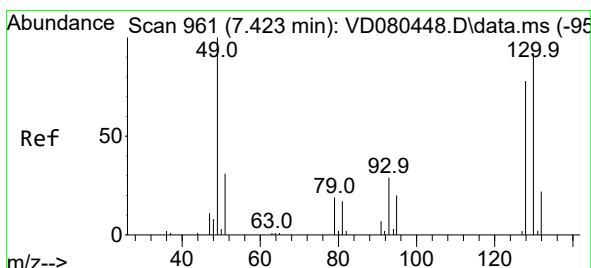
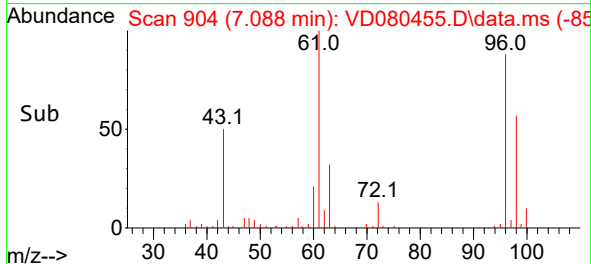
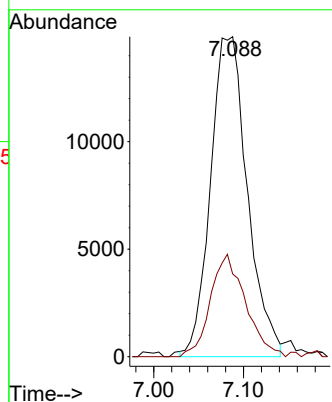
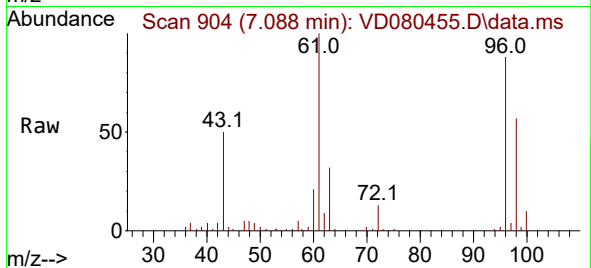
VSTD025507

Tgt Ion: 43 Resp: 42459

Ion Ratio Lower Upper

43 100

72 30.4 14.9 44.5



#23

Bromochloromethane

Concen: 31.94 ug/L

RT: 7.429 min Scan# 962

Delta R.T. 0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Tgt Ion: 128 Resp: 42704

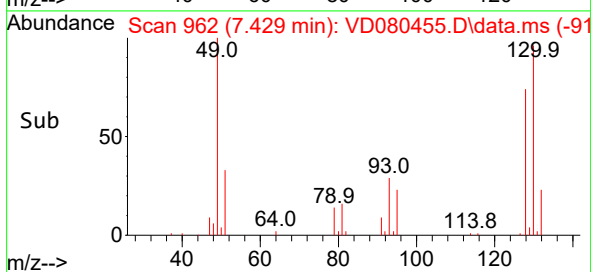
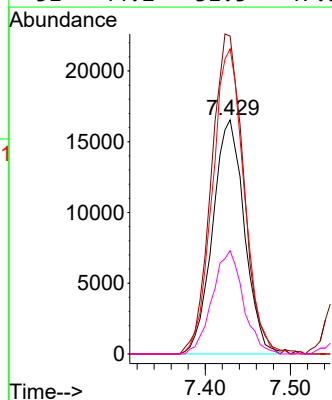
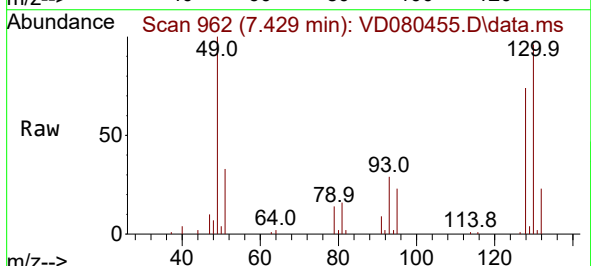
Ion Ratio Lower Upper

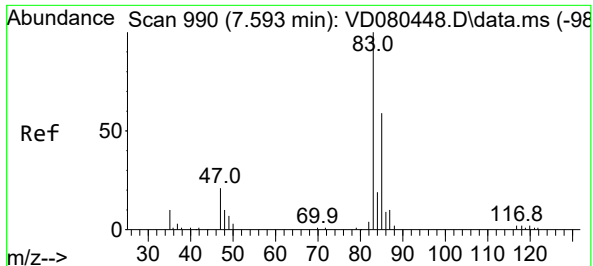
128 100

49 135.8 89.5 166.3

130 130.3 82.5 153.1

51 44.2 31.5 47.3





#25

Chloroform

Concen: 30.34 ug/L

RT: 7.600 min Scan# 990

Delta R.T. 0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

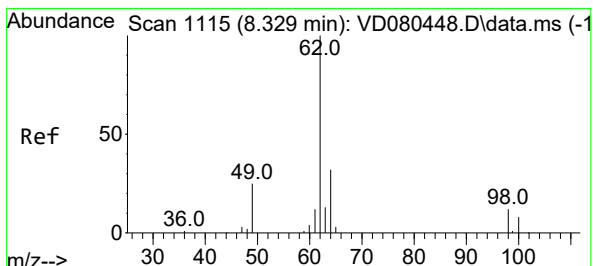
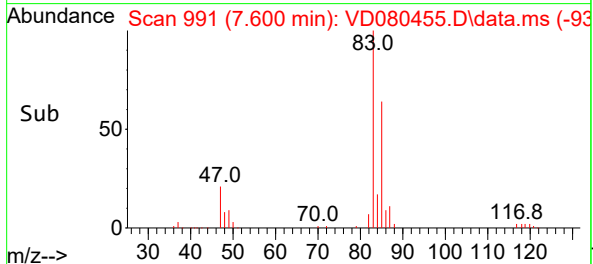
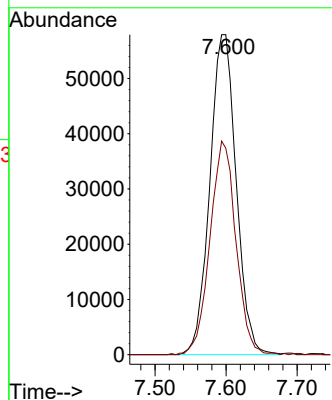
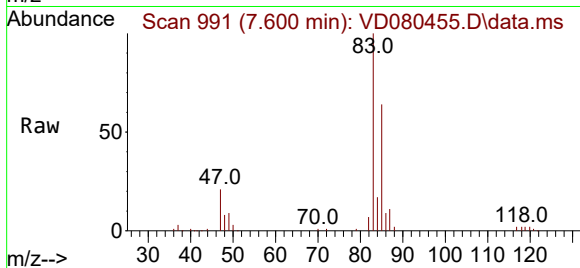
VSTD025507

Tgt Ion: 83 Resp: 149471

Ion Ratio Lower Upper

83 100

85 64.5 42.0 78.0



#27

1,2-Dichloroethane

Concen: 31.63 ug/L

RT: 8.329 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VD080455.D

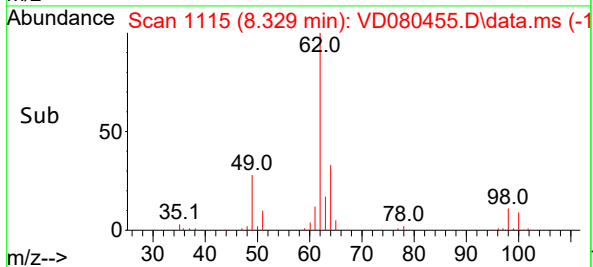
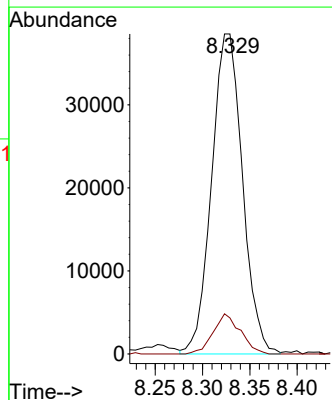
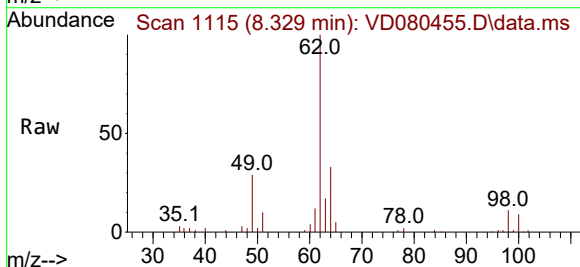
Acq: 18 Jun 2025 14:58

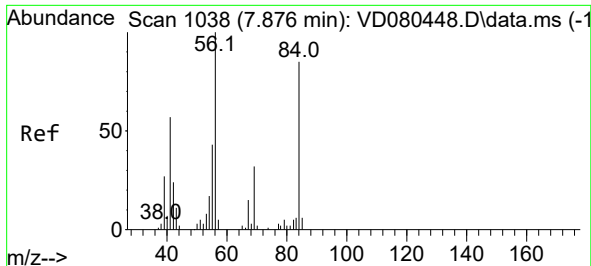
Tgt Ion: 62 Resp: 87433

Ion Ratio Lower Upper

62 100

98 11.2 9.4 14.2





#29

Cyclohexane

Concen: 31.02 ug/L

RT: 7.882 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

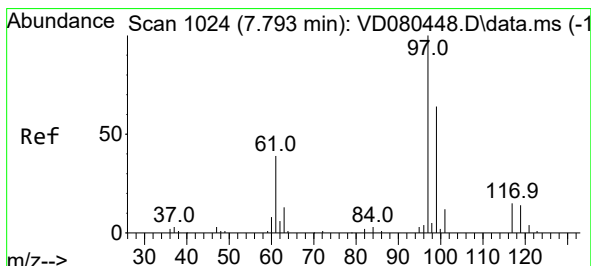
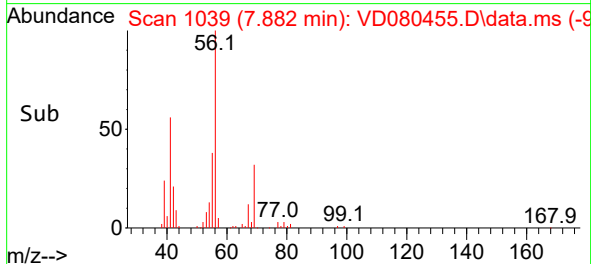
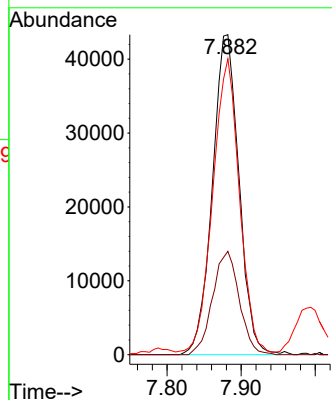
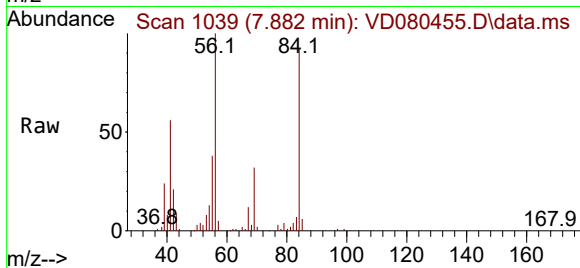
Tgt Ion: 56 Resp: 107772

Ion Ratio Lower Upper

56 100

69 32.4 25.7 38.5

84 93.7 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 30.55 ug/L

RT: 7.794 min Scan# 1024

Delta R.T. 0.001 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

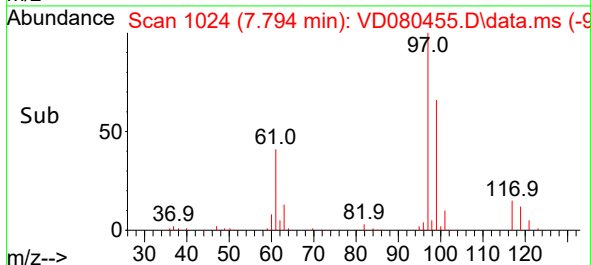
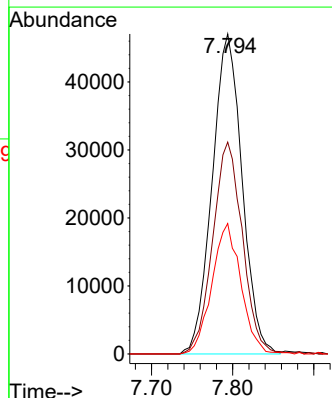
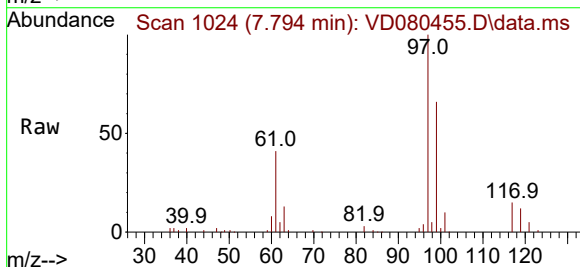
Tgt Ion: 97 Resp: 120576

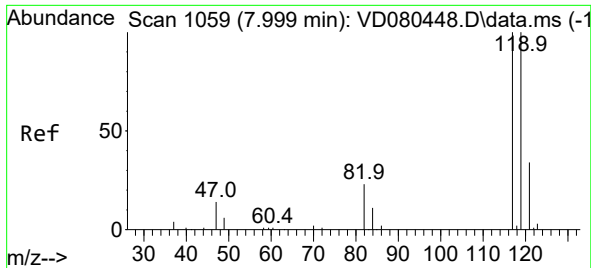
Ion Ratio Lower Upper

97 100

99 65.8 51.1 76.7

61 39.5 32.4 48.6

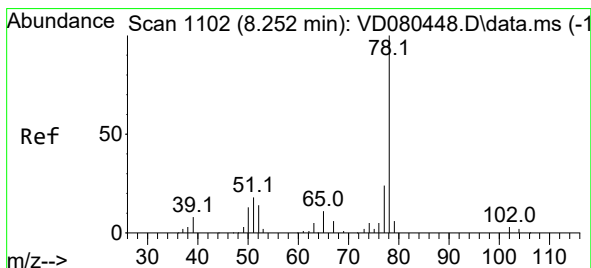
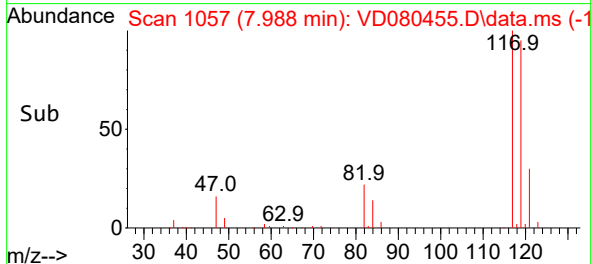
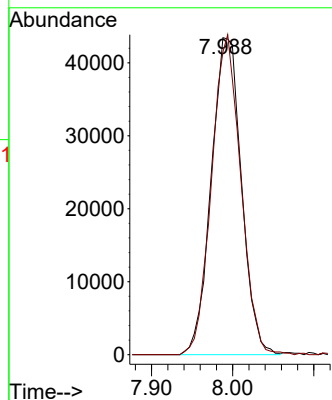
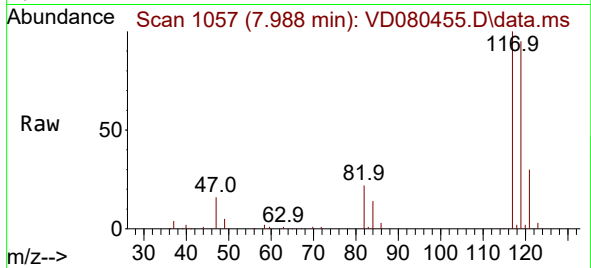




#31
Carbon tetrachloride
Concen: 29.65 ug/L
RT: 7.988 min Scan# 1105
Delta R.T. -0.011 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

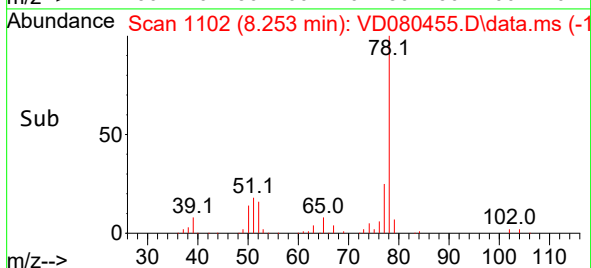
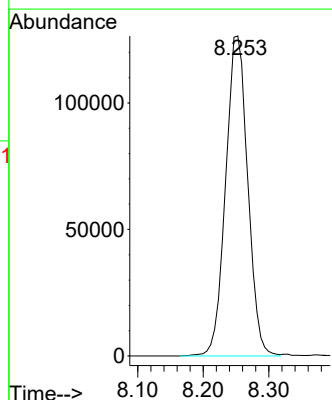
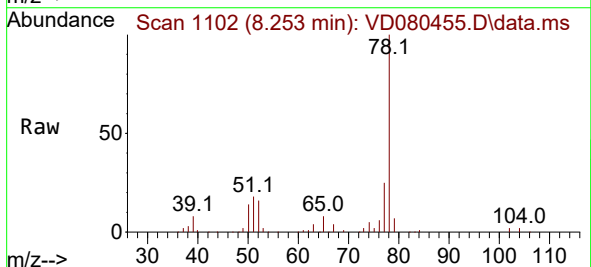
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

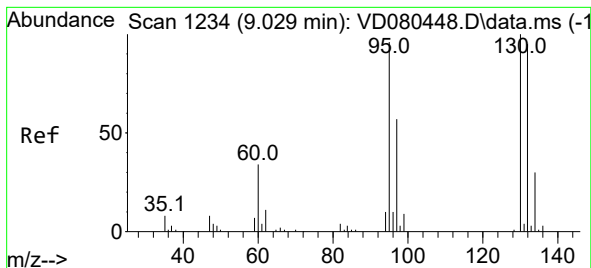
Tgt Ion:117 Resp: 112286
Ion Ratio Lower Upper
117 100
119 97.5 77.2 115.8



#33
Benzene
Concen: 32.25 ug/L
RT: 8.253 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion: 78 Resp: 296109





#34

Trichloroethene

Concen: 29.92 ug/L

RT: 9.029 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

Tgt Ion: 95 Resp: 79231

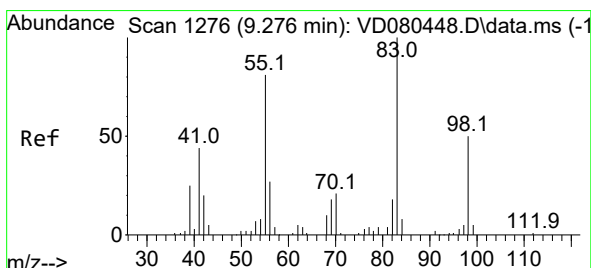
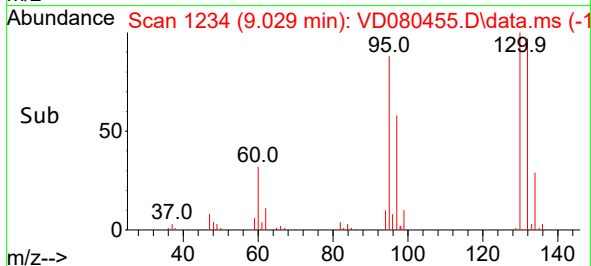
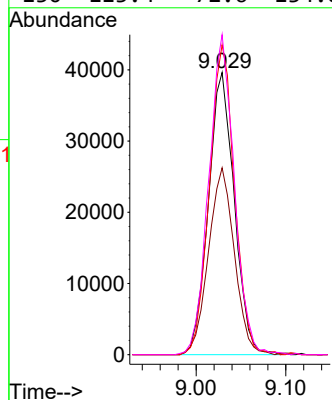
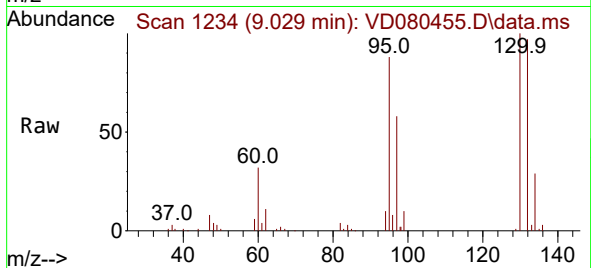
Ion Ratio Lower Upper

95 100

97 66.2 41.5 77.1

132 109.8 69.1 128.3

130 113.4 72.6 134.8



#35

Methylcyclohexane

Concen: 31.35 ug/L

RT: 9.276 min Scan# 1276

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

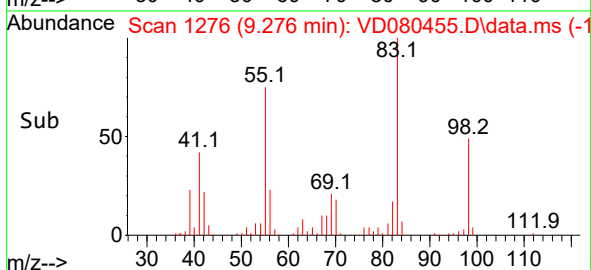
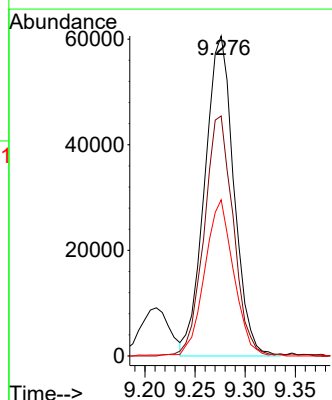
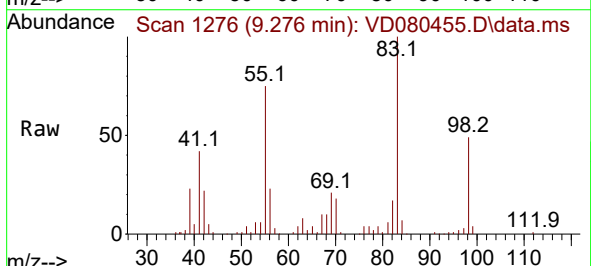
Tgt Ion: 83 Resp: 122692

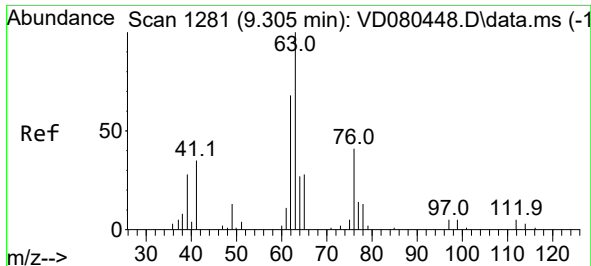
Ion Ratio Lower Upper

83 100

55 74.9 59.7 89.5

98 48.2 38.2 57.2

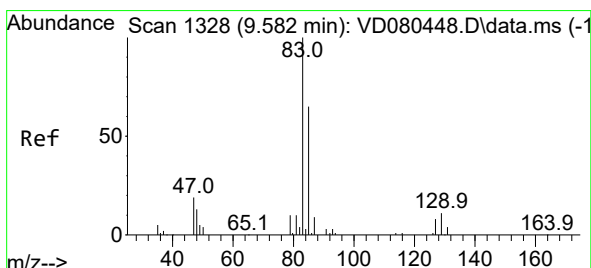
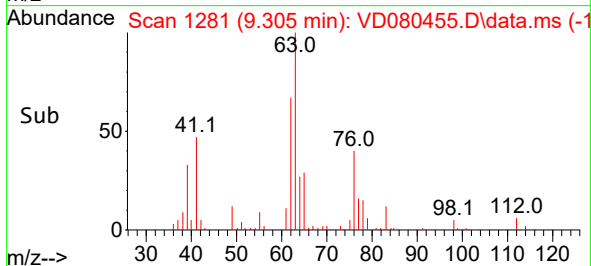
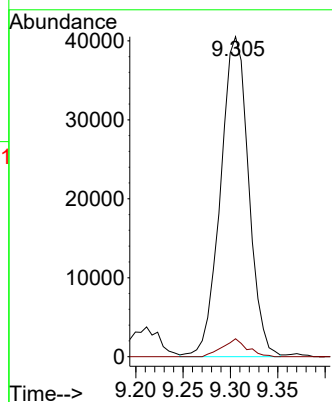
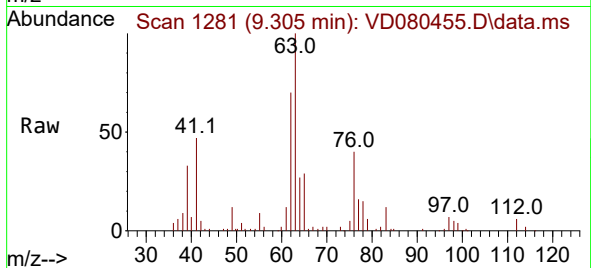




#37
1,2-Dichloropropane
Concen: 32.72 ug/L
RT: 9.305 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

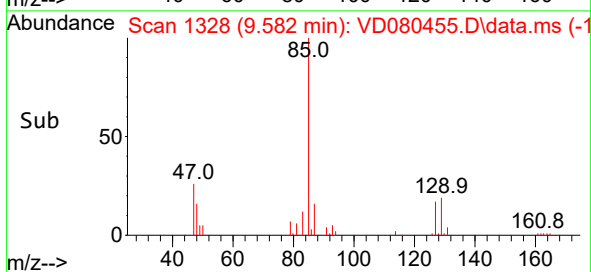
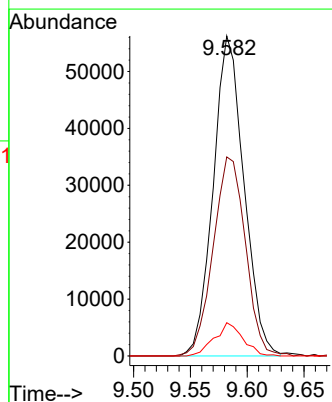
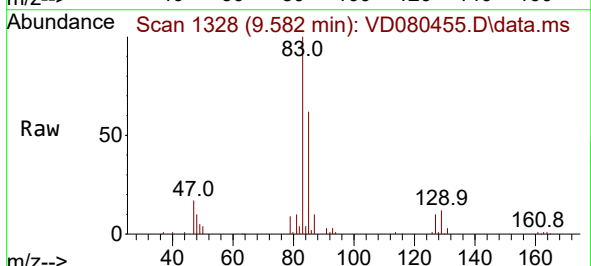
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

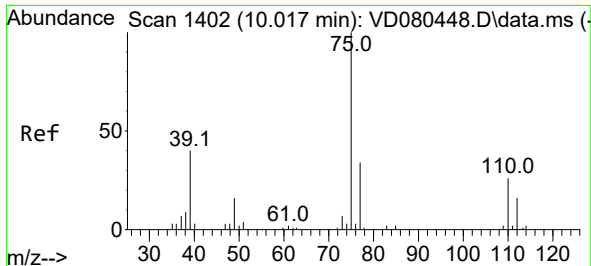
Tgt Ion: 63 Resp: 83779
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9



#38
Bromodichloromethane
Concen: 31.45 ug/L
RT: 9.582 min Scan# 1328
Delta R.T. -0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion: 83 Resp: 105859
Ion Ratio Lower Upper
83 100
85 62.2 45.2 84.0
127 10.4 6.2 9.4#





#39

cis-1,3-Dichloropropene

Concen: 32.23 ug/L

RT: 10.017 min Scan# 1402

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

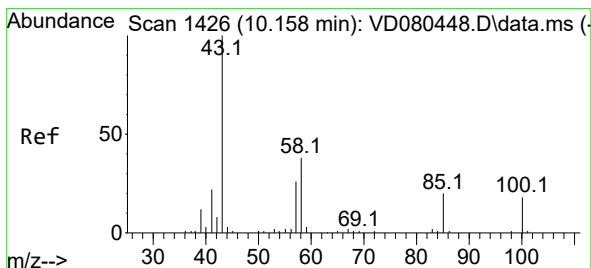
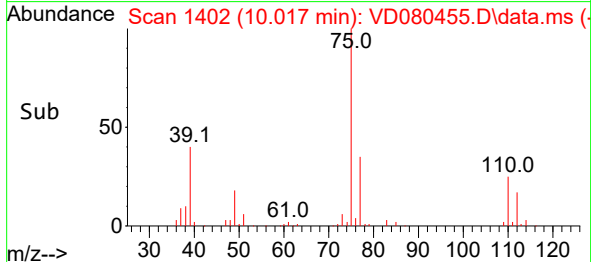
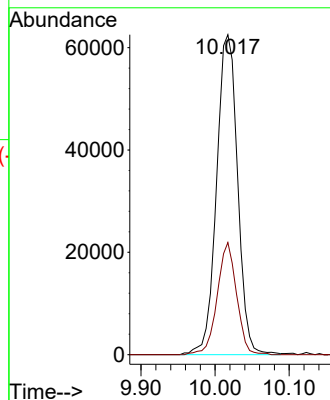
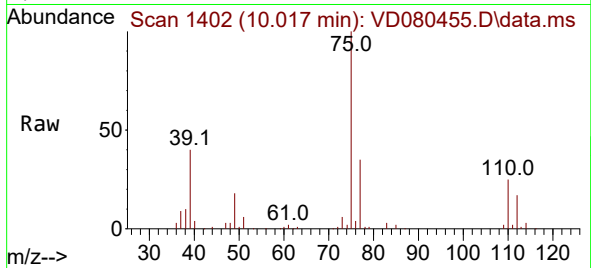
VSTD025507

Tgt Ion: 75 Resp: 123495

Ion Ratio Lower Upper

75 100

77 35.1 24.1 44.7



#40

4-Methyl-2-pentanone

Concen: 70.28 ug/L

RT: 10.158 min Scan# 1426

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

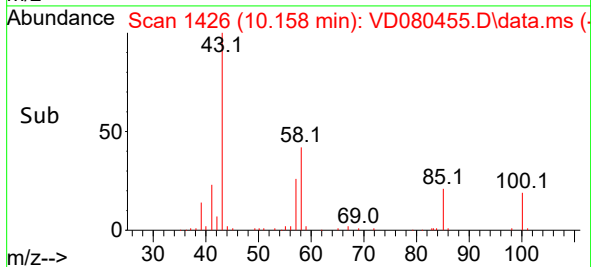
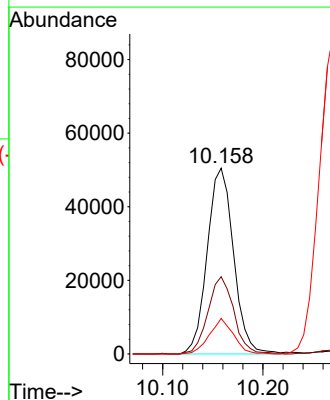
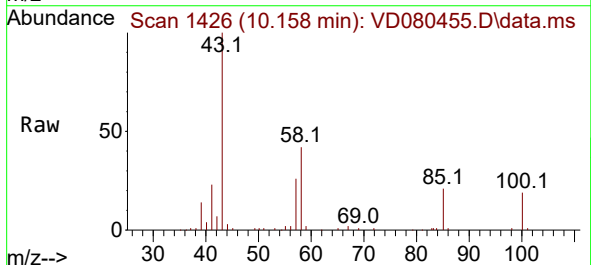
Tgt Ion: 43 Resp: 92228

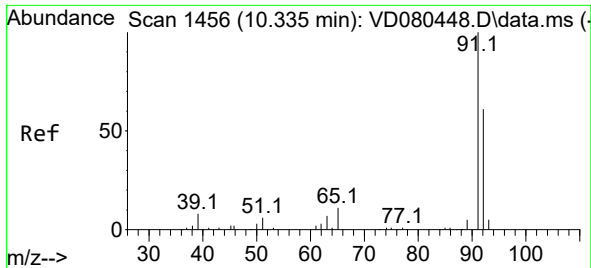
Ion Ratio Lower Upper

43 100

58 40.8 31.7 47.5

100 17.4 13.4 20.0





#42

Toluene

Concen: 33.29 ug/L

RT: 10.329 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

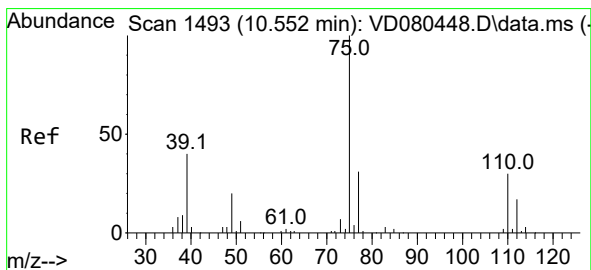
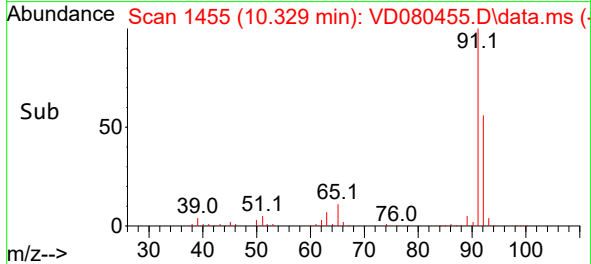
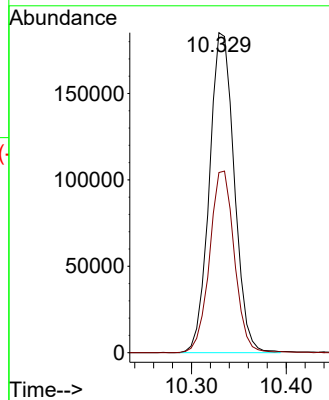
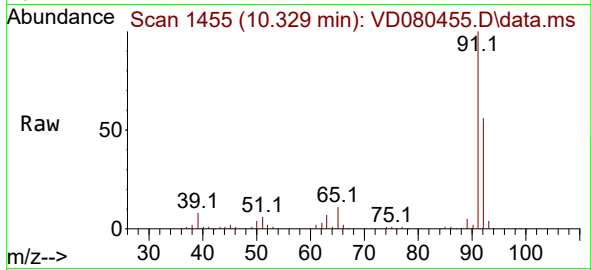
VSTD025507

Tgt Ion: 91 Resp: 337883

Ion Ratio Lower Upper

91 100

92 56.3 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 33.75 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080455.D

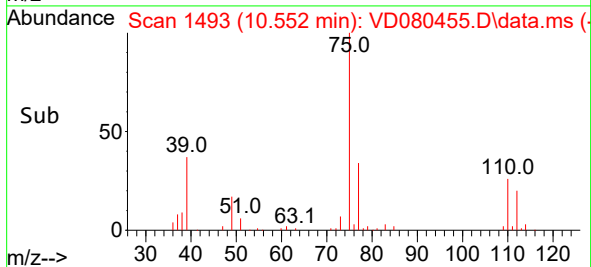
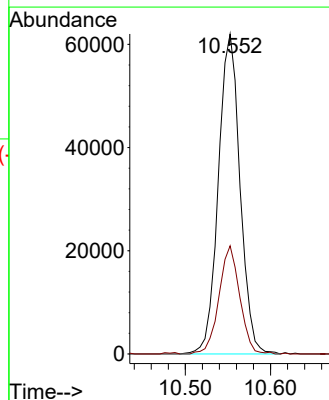
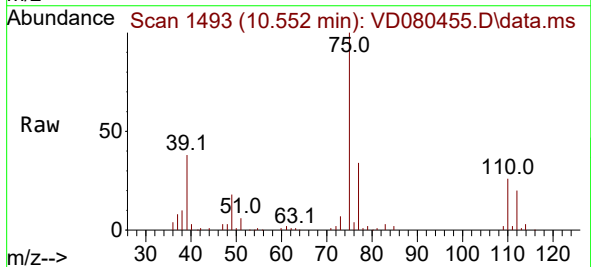
Acq: 18 Jun 2025 14:58

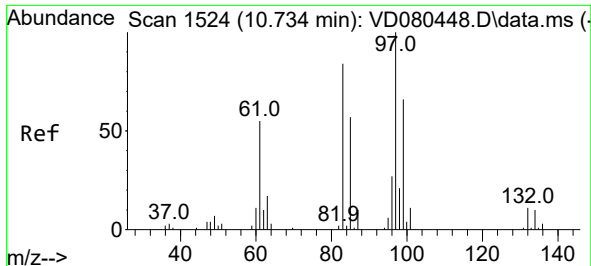
Tgt Ion: 75 Resp: 109461

Ion Ratio Lower Upper

75 100

77 33.8 21.8 40.6

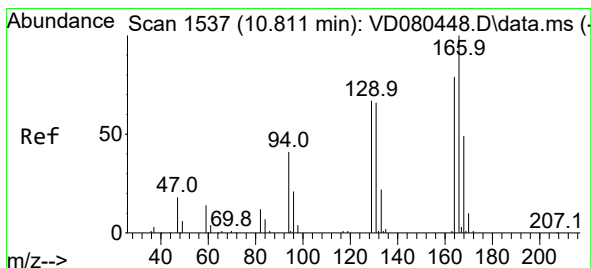
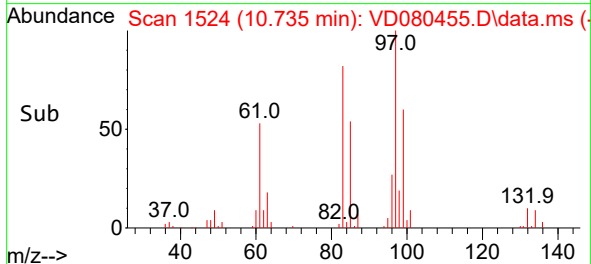
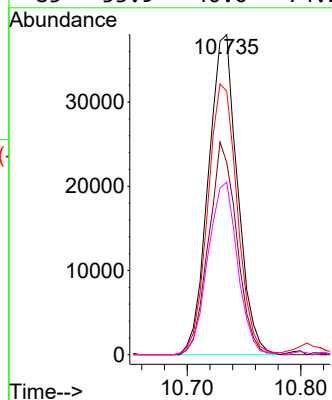
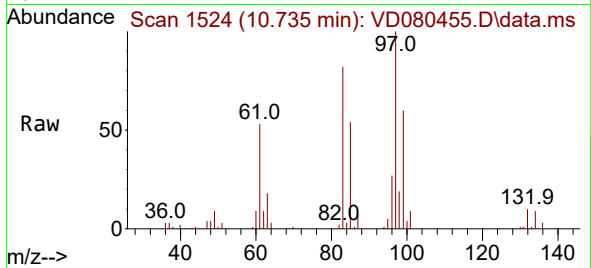




#45
1,1,2-Trichloroethane
Concen: 32.60 ug/L
RT: 10.735 min Scan# 1524
Delta R.T. 0.001 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

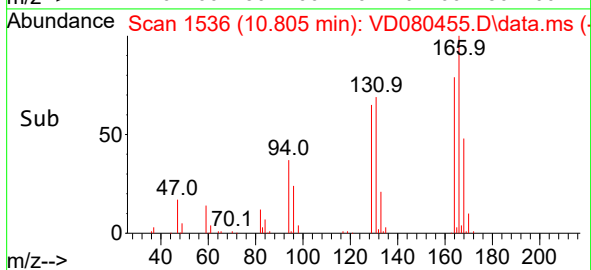
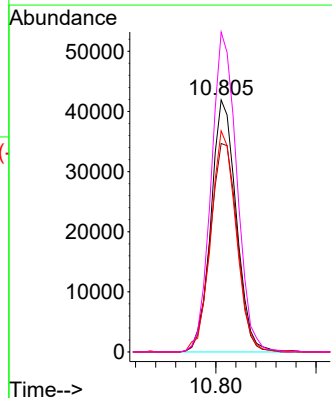
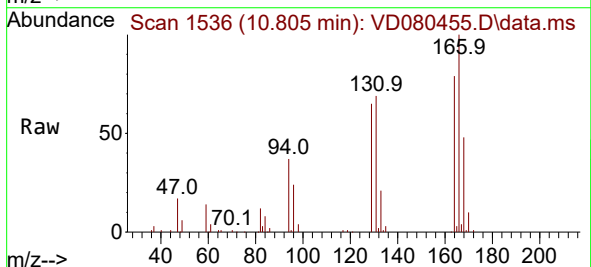
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

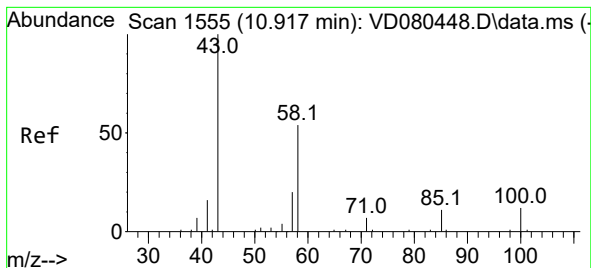
Tgt Ion: 97	Resp: 67833
Ion Ratio	Lower Upper
97 100	
99 60.0	46.5 86.3
83 82.3	58.5 108.7
85 53.9	40.0 74.2



#46
Tetrachloroethene
Concen: 31.08 ug/L
RT: 10.805 min Scan# 1536
Delta R.T. -0.006 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt	Ion:164	Resp:	73610
Ion	Ratio	Lower	Upper
164	100		
129	82.7	59.7	110.9
131	87.7	58.7	109.1
166	127.0	88.7	164.7





#48

2-Hexanone

Concen: 74.97 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

Tgt Ion: 43 Resp: 71689

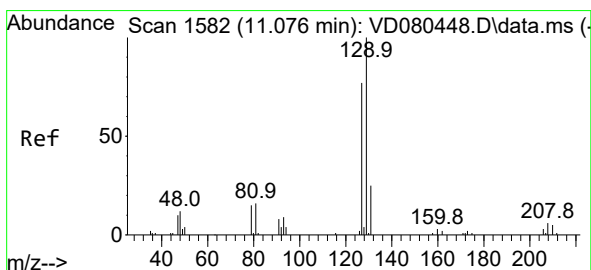
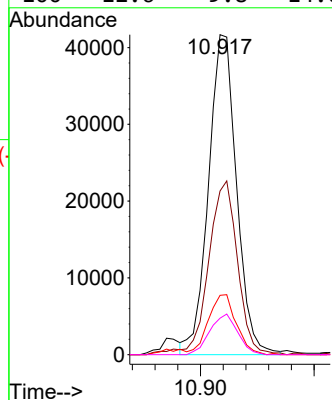
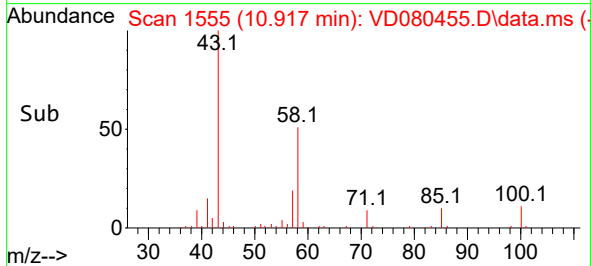
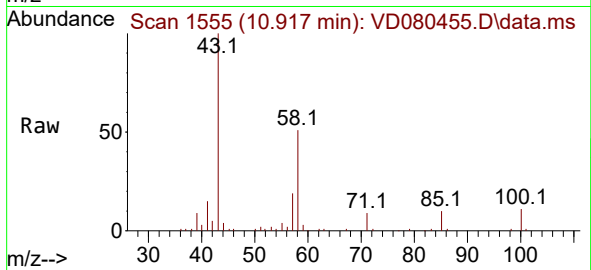
Ion Ratio Lower Upper

43 100

58 54.9 43.8 65.6

57 18.6 15.6 23.4

100 12.6 9.8 14.6



#49

Dibromochloromethane

Concen: 33.85 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. -0.006 min

Lab File: VD080455.D

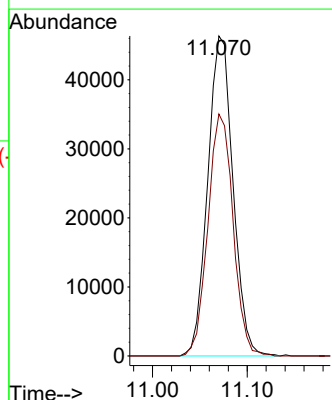
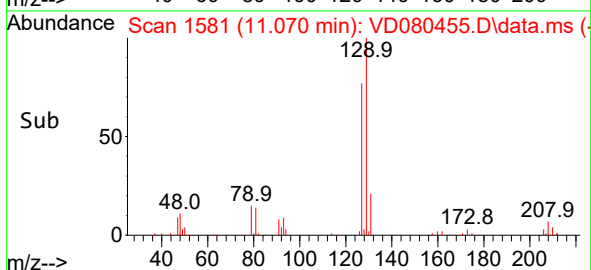
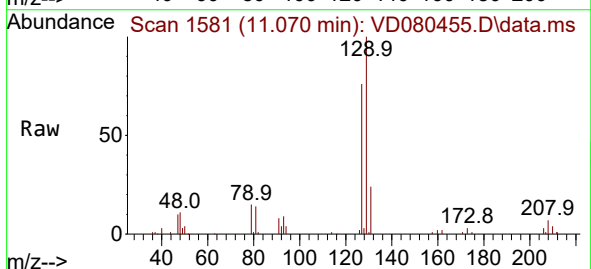
Acq: 18 Jun 2025 14:58

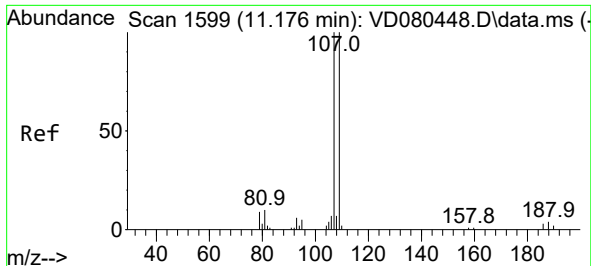
Tgt Ion: 129 Resp: 86028

Ion Ratio Lower Upper

129 100

127 75.6 54.1 100.5

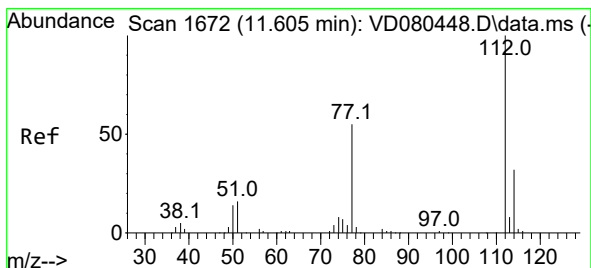
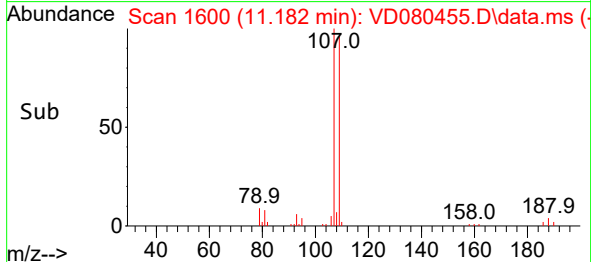
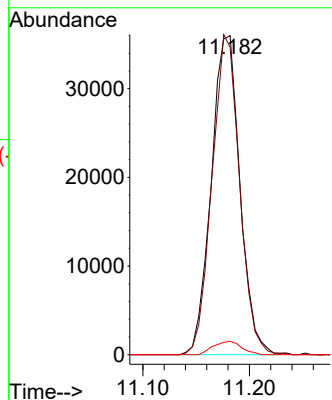
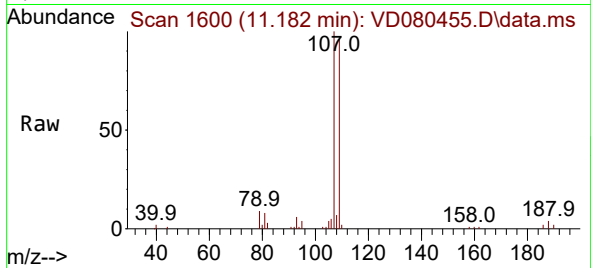




#50
1,2-Dibromoethane
Concen: 33.51 ug/L
RT: 11.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

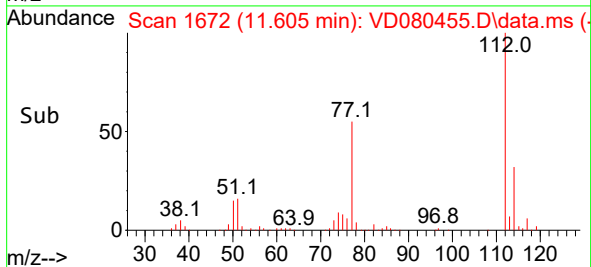
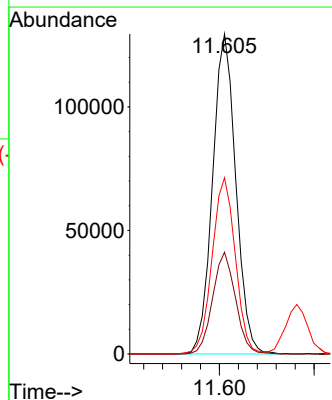
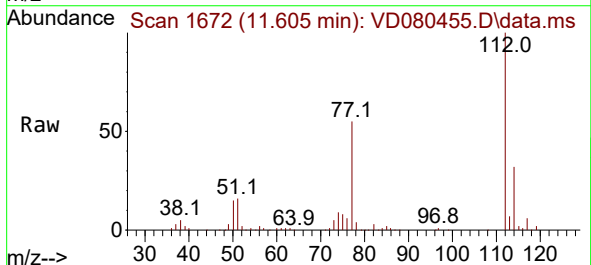
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

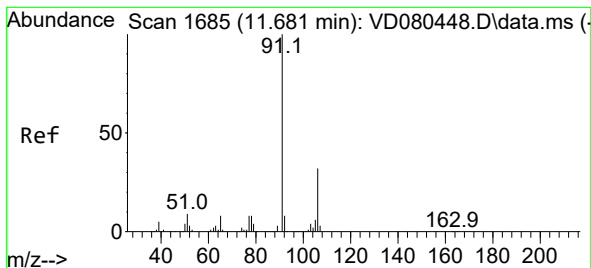
Tgt Ion:107 Resp: 67225
Ion Ratio Lower Upper
107 100
109 96.4 69.8 129.6
188 4.2 2.9 4.3



#51
Chlorobenzene
Concen: 31.55 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion:112 Resp: 220846
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 55.1 44.2 66.4

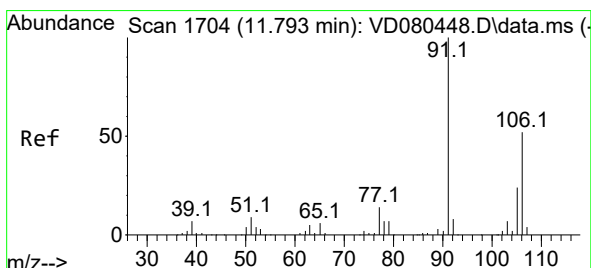
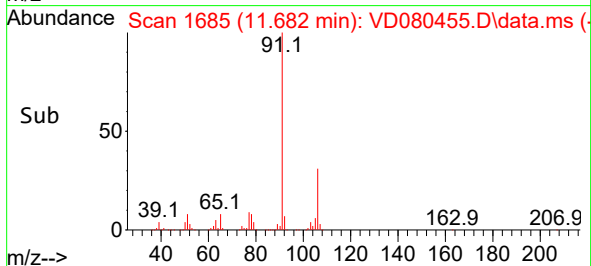
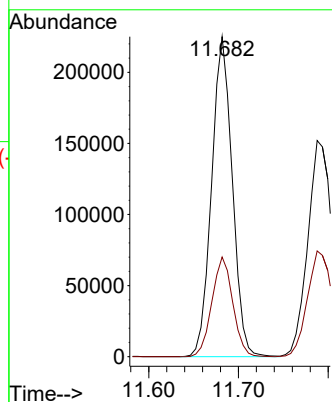
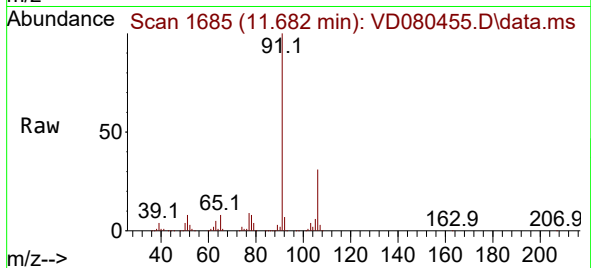




#52
Ethylbenzene
Concen: 32.69 ug/L
RT: 11.682 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

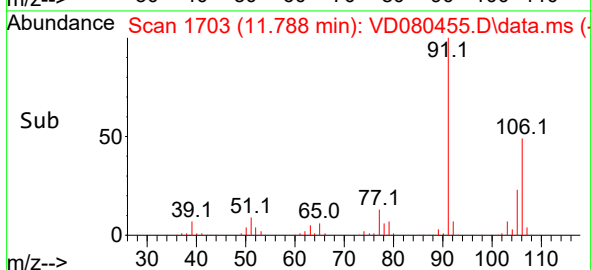
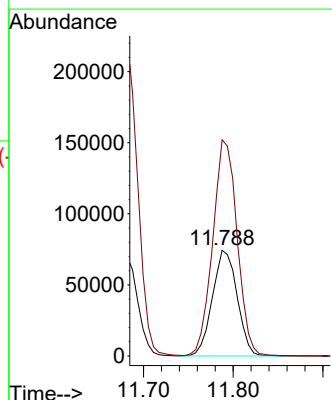
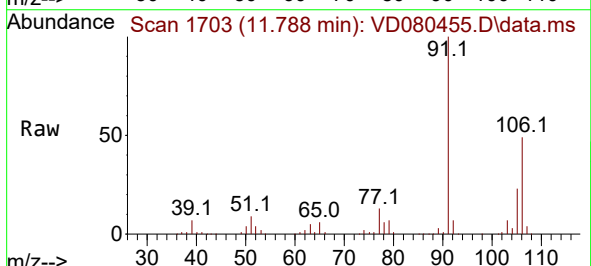
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

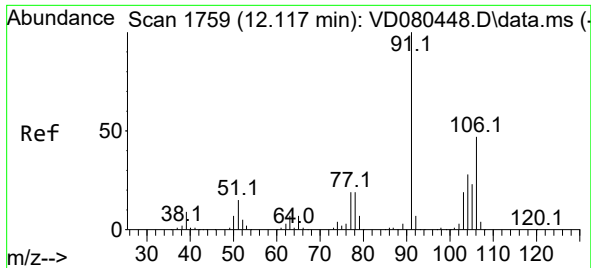
Tgt Ion: 91 Resp: 359790
Ion Ratio Lower Upper
91 100
106 31.2 22.1 41.1



#53
m,p-Xylene
Concen: 32.91 ug/L
RT: 11.788 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion: 106 Resp: 142159
Ion Ratio Lower Upper
106 100
91 204.2 134.1 249.1

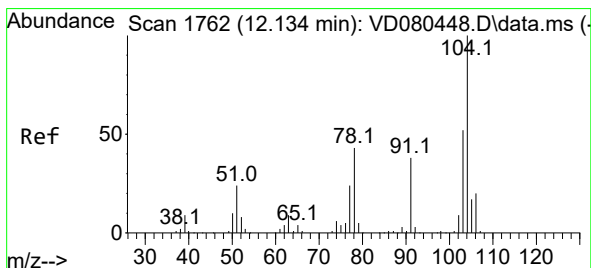
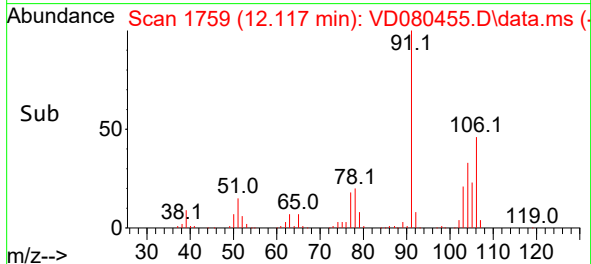
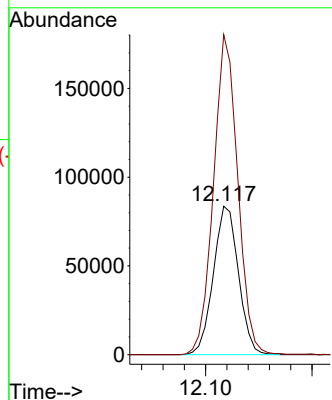
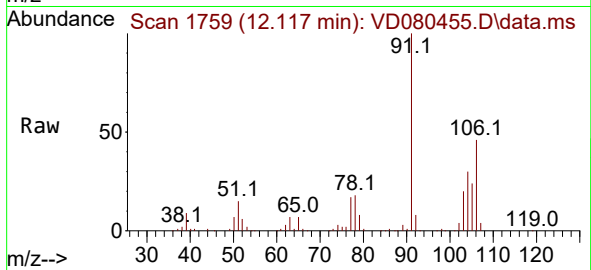




#54
o-Xylene
Concen: 33.59 ug/L
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

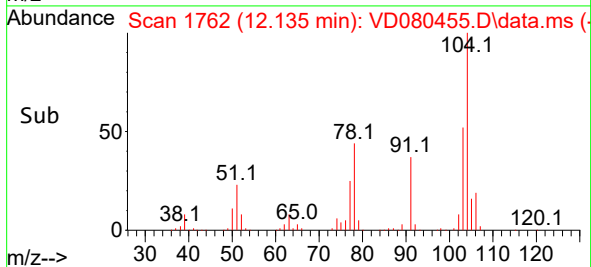
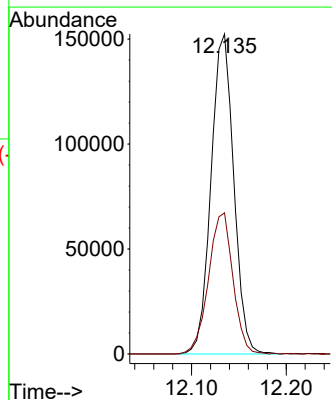
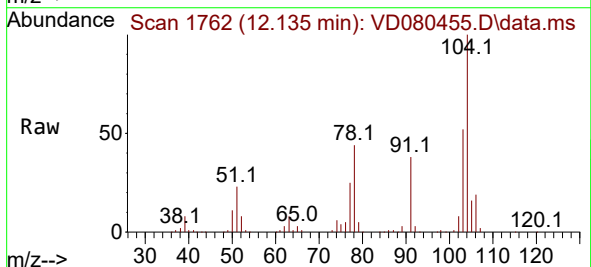
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

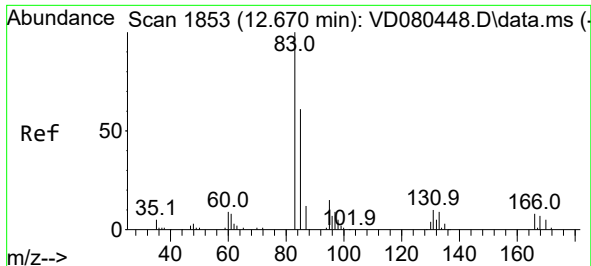
Tgt Ion:106 Resp: 136749
Ion Ratio Lower Upper
106 100
91 215.6 148.3 275.3



#55
Styrene
Concen: 35.43 ug/L
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion:104 Resp: 254347
Ion Ratio Lower Upper
104 100
78 44.1 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 33.74 ug/L

RT: 12.670 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

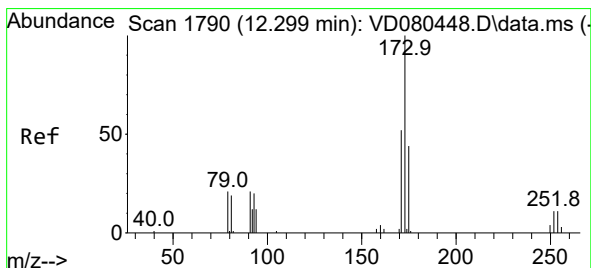
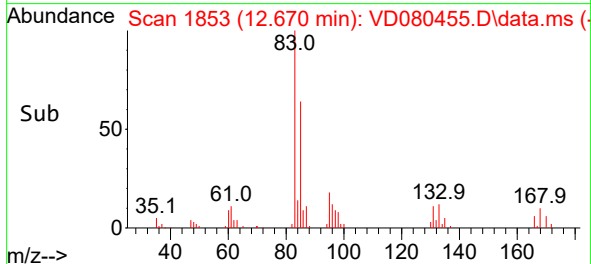
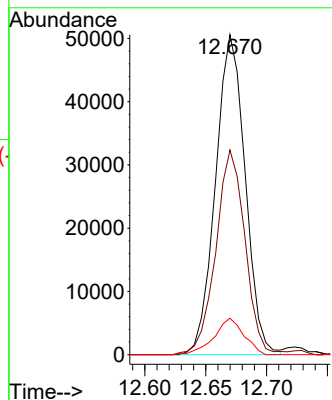
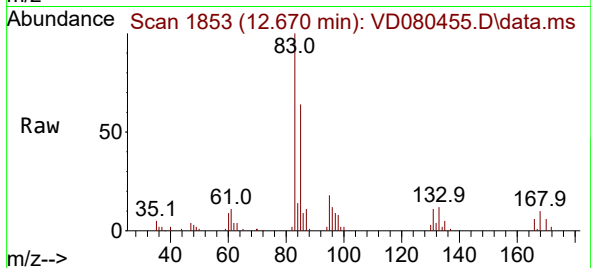
Tgt Ion: 83 Resp: 85738

Ion Ratio Lower Upper

83 100

85 64.0 42.8 79.6

131 11.4 7.8 11.8



#59

Bromoform

Concen: 30.85 ug/L

RT: 12.294 min Scan# 1789

Delta R.T. -0.005 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

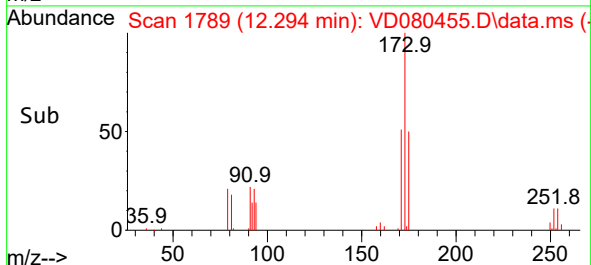
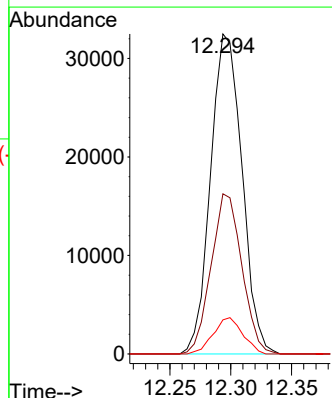
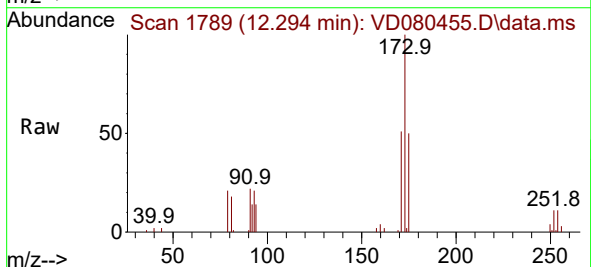
Tgt Ion: 173 Resp: 58351

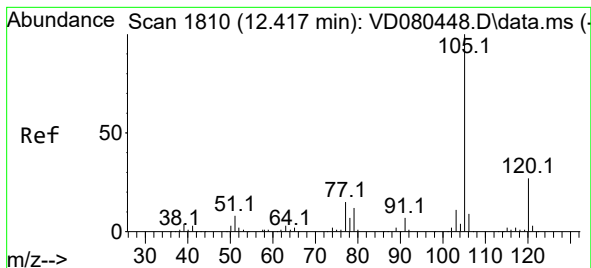
Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.4

254 10.7 9.0 13.4





#60

Isopropylbenzene

Concen: 31.64 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

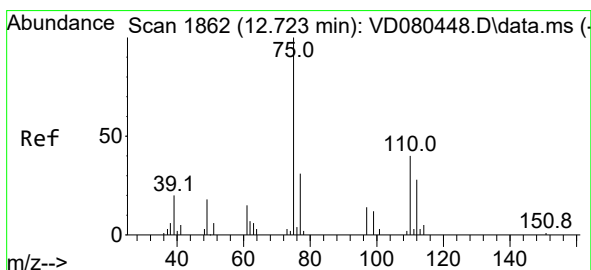
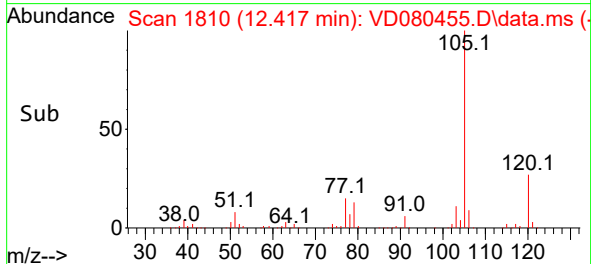
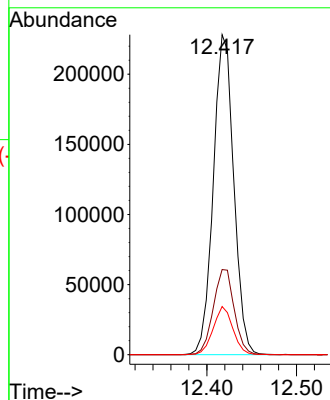
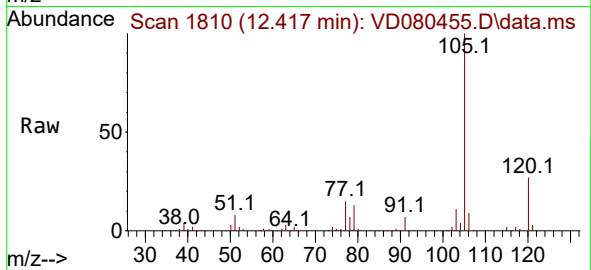
Tgt Ion:105 Resp: 361054

Ion Ratio Lower Upper

105 100

120 27.2 22.1 33.1

77 14.5 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 30.87 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. -0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

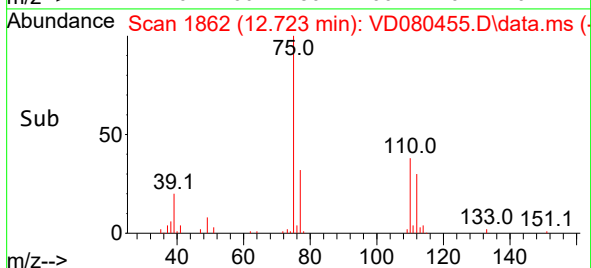
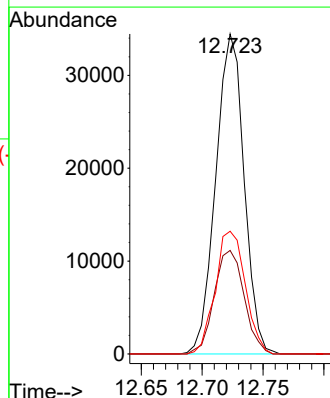
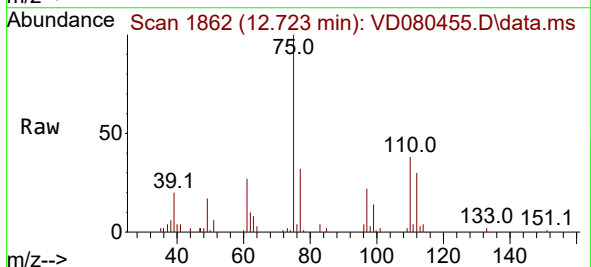
Tgt Ion: 75 Resp: 55826

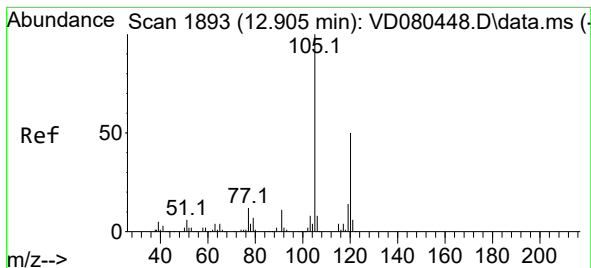
Ion Ratio Lower Upper

75 100

77 34.1 26.8 40.2

110 40.7 33.0 49.4





#62

1,3,5-Trimethylbenzene

Concen: 31.87 ug/L

RT: 12.905 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

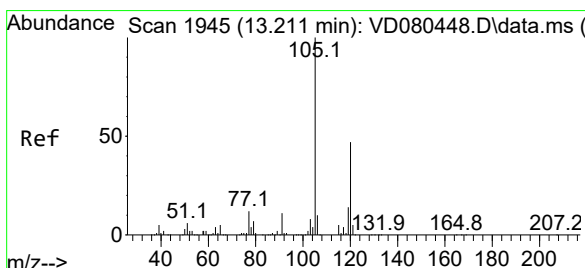
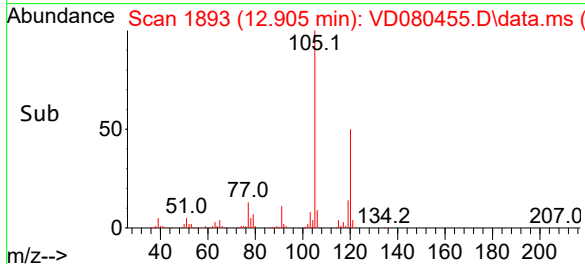
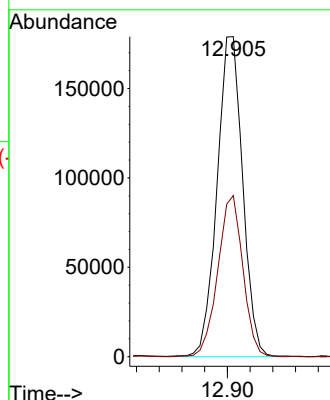
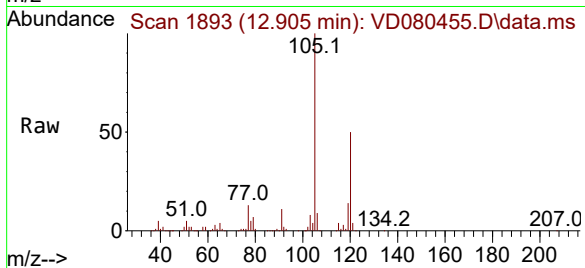
VSTD025507

Tgt Ion:105 Resp: 280509

Ion Ratio Lower Upper

105 100

120 49.2 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 32.43 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080455.D

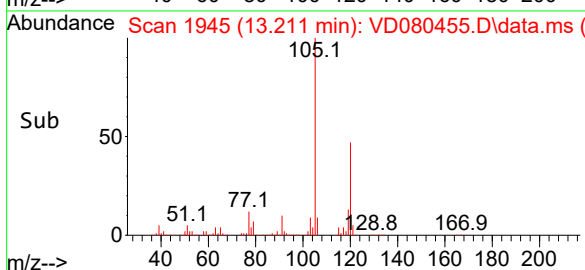
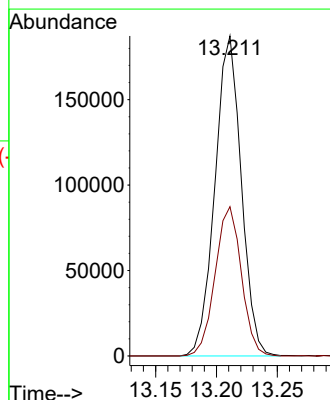
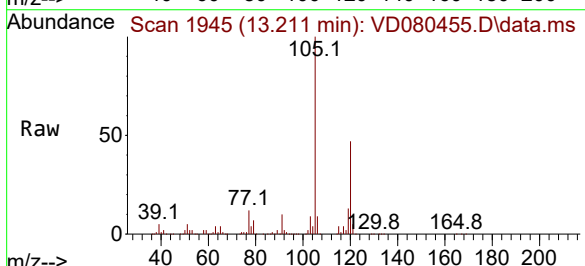
Acq: 18 Jun 2025 14:58

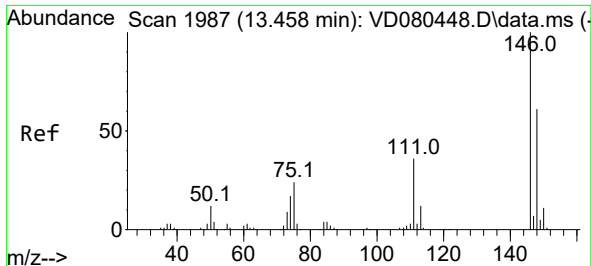
Tgt Ion:105 Resp: 281889

Ion Ratio Lower Upper

105 100

120 46.4 37.5 56.3

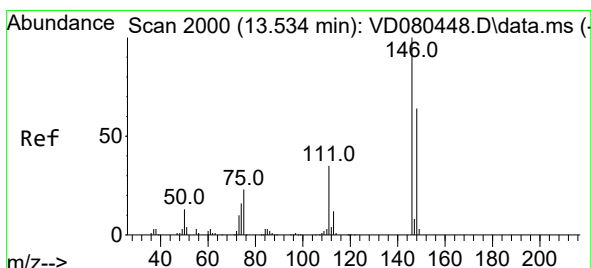
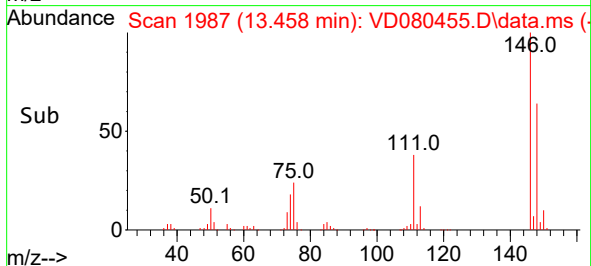
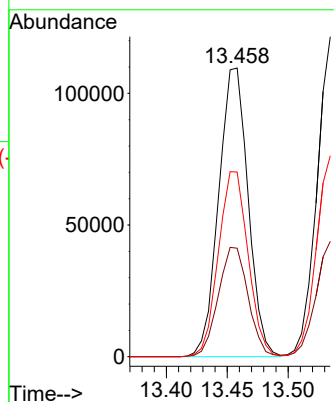
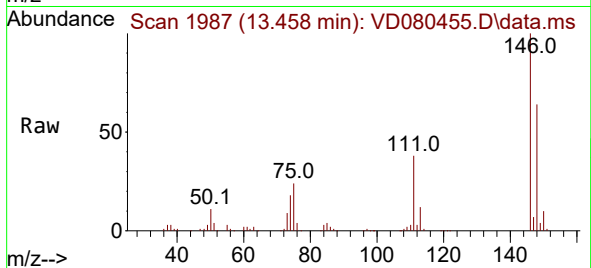




#64
1,3-Dichlorobenzene
Concen: 30.88 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

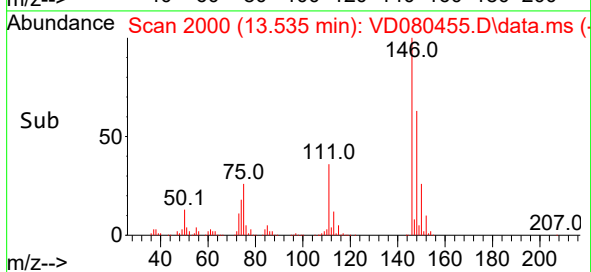
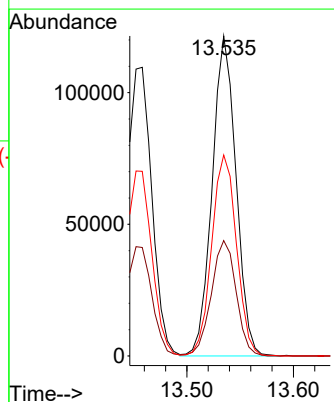
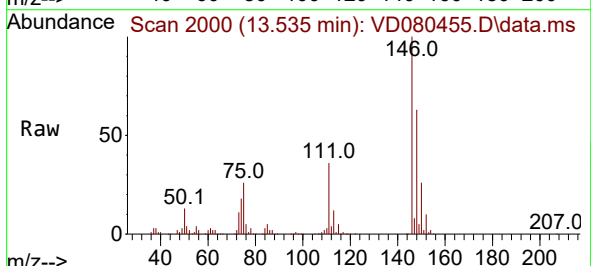
Instrument :
MSVOA_D
ClientSampleId :
VSTD025507

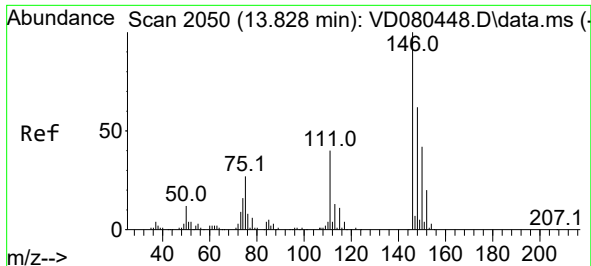
Tgt Ion:146 Resp: 184550
Ion Ratio Lower Upper
146 100
111 37.6 25.4 47.2
148 64.0 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 30.41 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.001 min
Lab File: VD080455.D
Acq: 18 Jun 2025 14:58

Tgt Ion:146 Resp: 189148
Ion Ratio Lower Upper
146 100
111 36.1 24.5 45.5
148 62.8 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 31.80 ug/L

RT: 13.829 min Scan# 2050

Delta R.T. 0.001 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

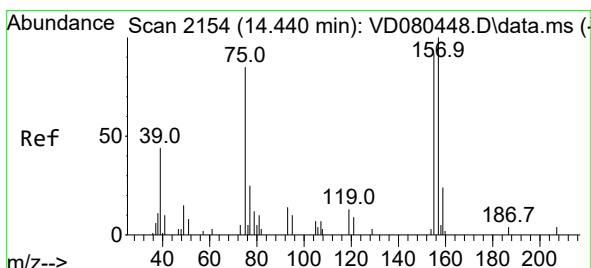
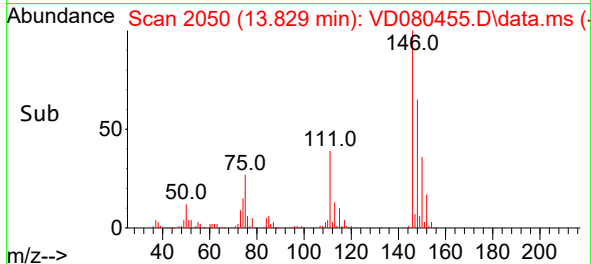
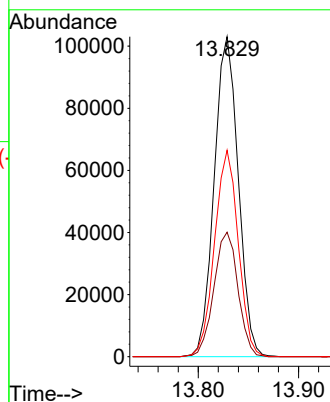
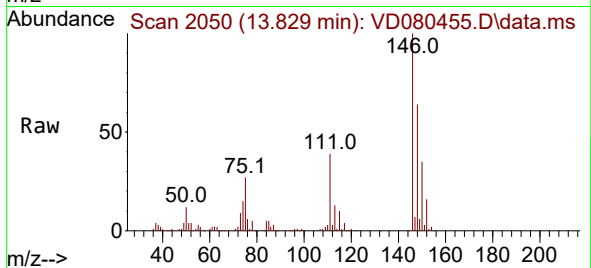
Tgt Ion:146 Resp: 171605

Ion Ratio Lower Upper

146 100

111 38.9 32.0 48.0

148 64.5 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 32.90 ug/L

RT: 14.440 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

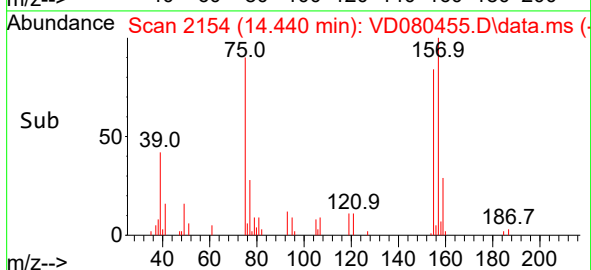
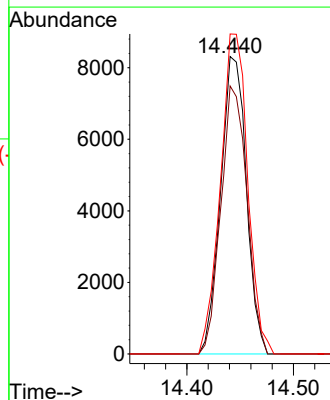
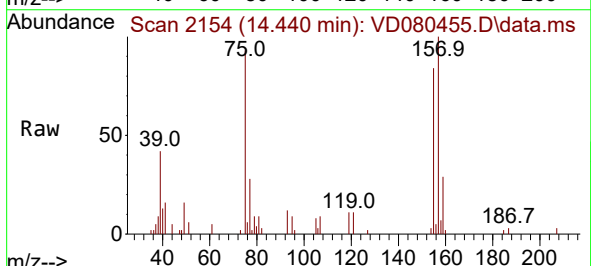
Tgt Ion: 75 Resp: 13940

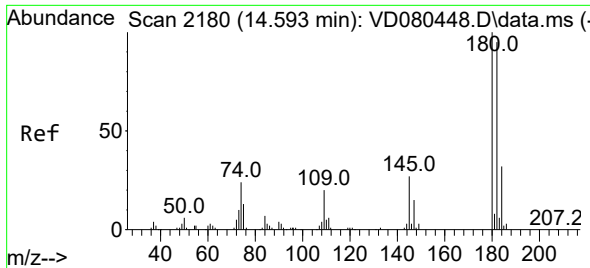
Ion Ratio Lower Upper

75 100

155 90.1 86.2 129.2

157 107.6 94.0 141.0

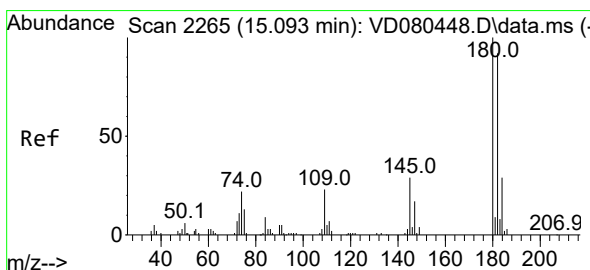
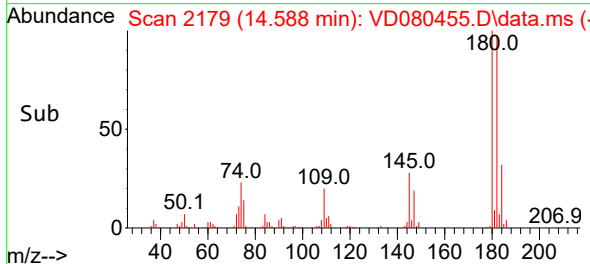
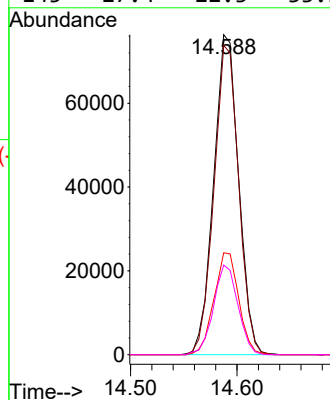
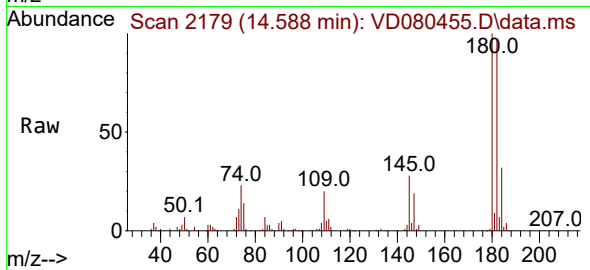




#69
 1,3,5-Trichlorobenzene
 Concen: 30.05 ug/L
 RT: 14.588 min Scan# 2180
 Delta R.T. -0.005 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

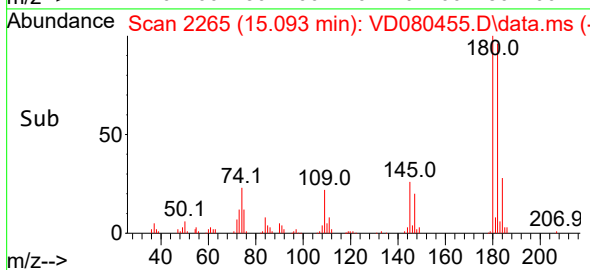
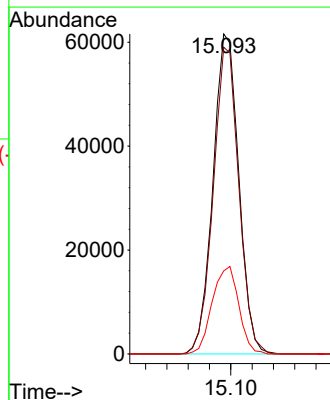
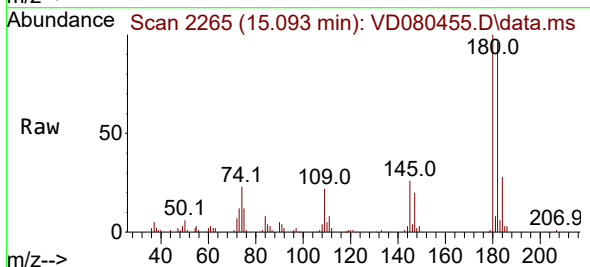
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

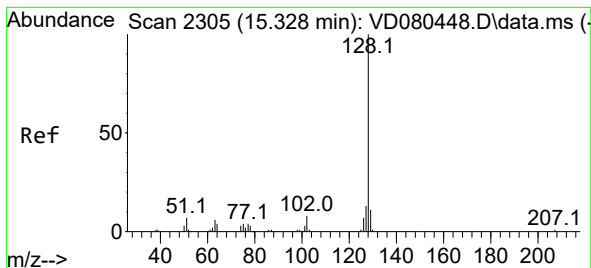
Tgt Ion:180	Resp: 124071
Ion Ratio	Lower Upper
180	100
182	95.7 77.0 115.4
184	31.6 24.9 37.3
145	27.4 22.3 33.5



#70
 1,2,4-trichlorobenzene
 Concen: 30.67 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: VD080455.D
 Acq: 18 Jun 2025 14:58

Tgt Ion:180	Resp: 103621
Ion Ratio	Lower Upper
180	100
182	94.9 76.0 114.0
145	28.0 22.2 33.4





#71

Naphthalene

Concen: 32.44 ug/L

RT: 15.329 min Scan# 2305

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Instrument :

MSVOA_D

ClientSampleId :

VSTD025507

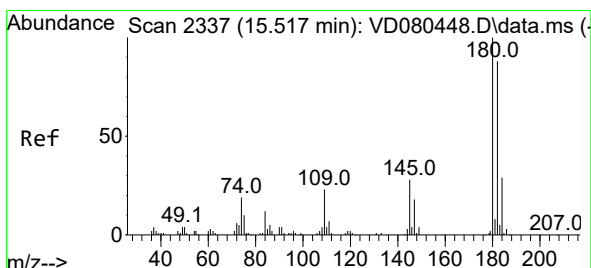
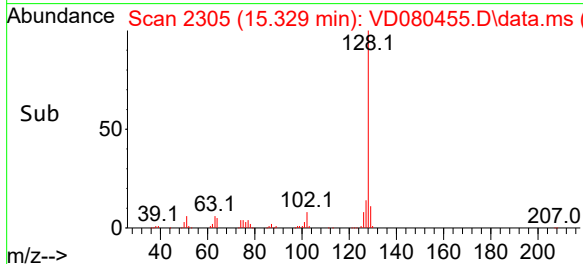
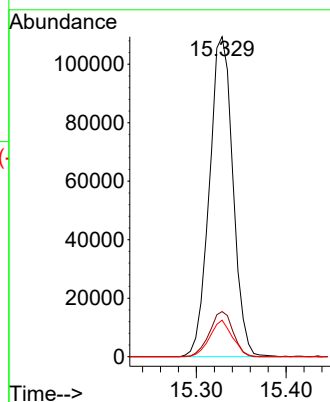
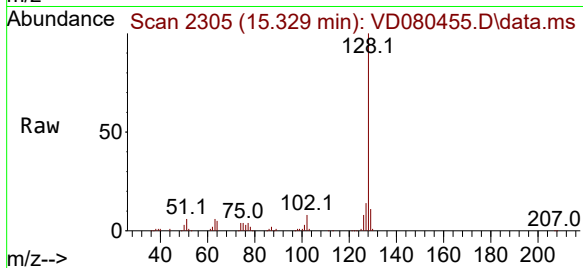
Tgt Ion:128 Resp: 199229

Ion Ratio Lower Upper

128 100

127 14.1 11.0 16.6

129 10.9 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 31.72 ug/L

RT: 15.517 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD080455.D

Acq: 18 Jun 2025 14:58

Tgt Ion:180 Resp: 100505

Ion Ratio Lower Upper

180 100

182 94.5 74.7 112.1

145 30.8 24.2 36.4

