

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
 Data File : VD080467.D
 Acq On : 23 Jun 2025 09:15
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

Quant Time: Jun 24 10:14:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	211979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	196127	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	110671	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	68780	19.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.56%
7) Chloroethane-d5	2.806	69	62914	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
11) 1,1-Dichloroethene-d2	3.917	65	25132	20.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.92%
21) 2-Butanone-d5	6.988	46	26118	43.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.66%
24) Chloroform-d	7.564	84	130852	22.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	8.235	65	66132	22.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.64%
32) Benzene-d6	8.200	84	256141	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	9.211	67	80182	22.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.64%
41) Toluene-d8	10.270	98	243005	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloroprop...	10.523	79	35403	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.04%
47) 2-Hexanone-d5	10.876	63	23714	44.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.26%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	70033	21.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.56%
66) 1,2-Dichlorobenzene-d4	13.811	152	89001	22.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.72%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	74335	22.17	ug/L	99
3) Chloromethane	2.147	50	70181	22.30	ug/L	99
5) Vinyl chloride	2.288	62	89415	23.28	ug/L	97
6) Bromomethane	2.700	94	61715	25.87	ug/L	98
8) Chloroethane	2.841	64	60586	22.91	ug/L	99
9) Trichlorofluoromethane	3.176	101	125691	23.84	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	76307	23.32	ug/L	94
12) 1,1-Dichloroethene	3.941	96	68031	25.60	ug/L	92
13) Acetone	4.017	43	30042	59.16	ug/L	97
14) Carbon disulfide	4.276	76	217595	24.13	ug/L	96
15) Methyl Acetate	4.570	43	28341	23.15	ug/L	100
16) Methylene chloride	4.800	84	79721	24.27	ug/L	98
17) trans-1,2-Dichloroethene	5.317	96	74081	26.62	ug/L	95
18) Methyl tert-butyl Ether	5.317	73	136832	24.43	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	130294	24.97	ug/L	98
20) cis-1,2-Dichloroethene	7.082	96	79303	26.13	ug/L	97
22) 2-Butanone	7.082	43	36703	49.79	ug/L	97
23) Bromochloromethane	7.423	128	41772	25.61	ug/L	97
25) Chloroform	7.594	83	148554	24.72	ug/L	93

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 Response via : Initial Calibration

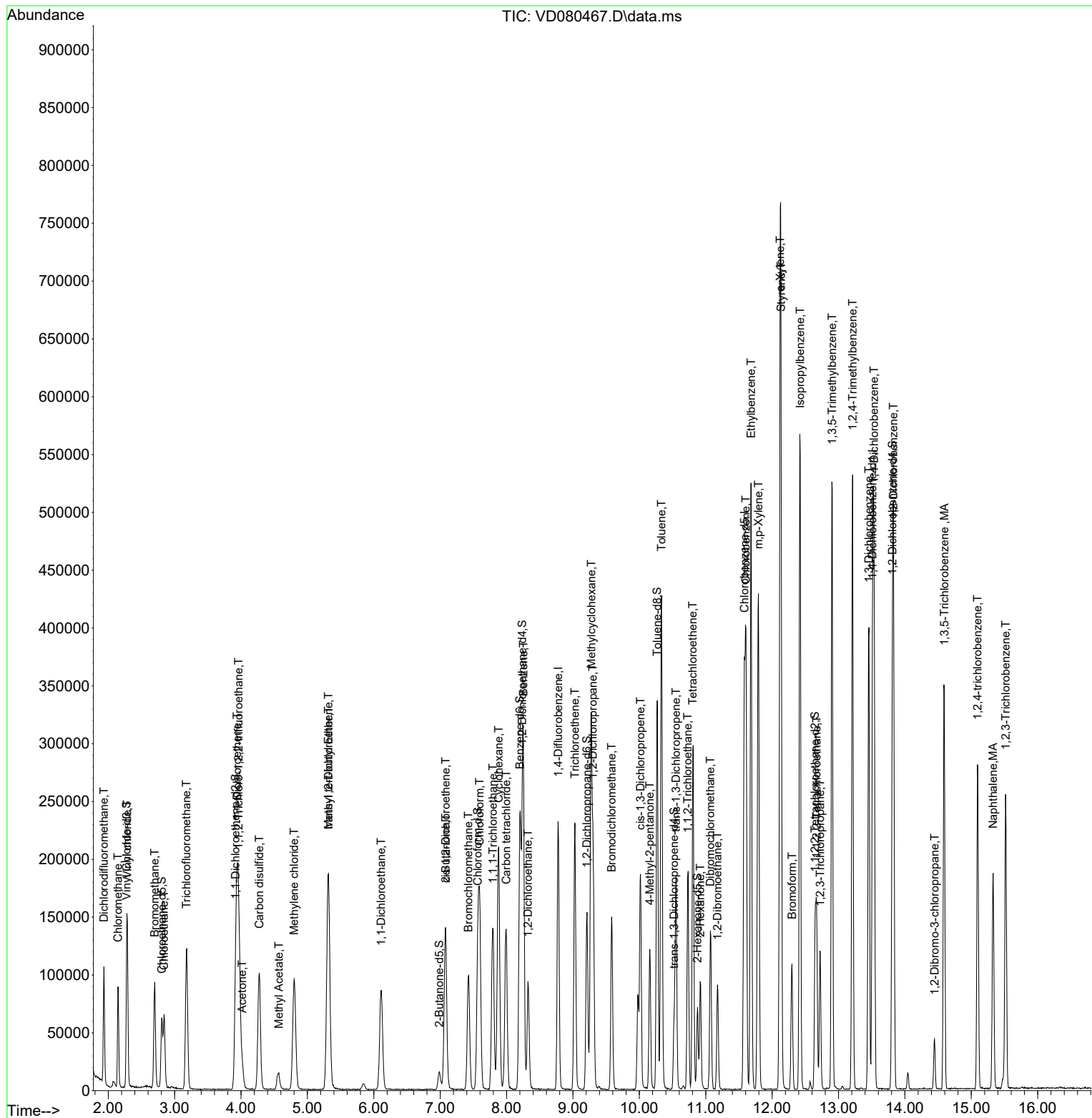
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	81185	24.07	ug/L	100
29) Cyclohexane	7.882	56	113401	27.85	ug/L	99
30) 1,1,1-Trichloroethane	7.794	97	123853	26.78	ug/L	99
31) Carbon tetrachloride	7.994	117	116495	26.25	ug/L	99
33) Benzene	8.252	78	300165	27.90	ug/L	100
34) Trichloroethene	9.029	95	82163	26.48	ug/L	95
35) Methylcyclohexane	9.276	83	128232	27.96	ug/L	98
37) 1,2-Dichloropropane	9.299	63	80490	26.83	ug/L	99
38) Bromodichloromethane	9.582	83	103116	26.14	ug/L #	98
39) cis-1,3-Dichloropropene	10.017	75	118882	26.48	ug/L	94
40) 4-Methyl-2-pentanone	10.158	43	80701	52.48	ug/L	99
42) Toluene	10.335	91	344664	28.98	ug/L	94
44) trans-1,3-Dichloropropene	10.552	75	102532	26.98	ug/L	100
45) 1,1,2-Trichloroethane	10.729	97	63174	25.91	ug/L	95
46) Tetrachloroethene	10.805	164	76753	27.66	ug/L	98
48) 2-Hexanone	10.917	43	58566	52.27	ug/L	97
49) Dibromochloromethane	11.070	129	78314	26.29	ug/L	99
50) 1,2-Dibromoethane	11.176	107	62414	26.55	ug/L	86
51) Chlorobenzene	11.605	112	217345	26.50	ug/L	98
52) Ethylbenzene	11.682	91	367172	28.47	ug/L	99
53) m,p-Xylene	11.793	106	144710	28.59	ug/L	94
54) o-Xylene	12.123	106	135664	28.44	ug/L	94
55) Styrene	12.135	104	250257	29.75	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.670	83	72976	24.51	ug/L	94
59) Bromoform	12.299	173	54063	24.91	ug/L	98
60) Isopropylbenzene	12.423	105	368140	28.11	ug/L	100
61) 1,2,3-Trichloropropane	12.723	75	50699	24.43	ug/L	98
62) 1,3,5-Trimethylbenzene	12.905	105	287471	28.45	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	284952	28.56	ug/L	98
64) 1,3-Dichlorobenzene	13.458	146	184365	26.88	ug/L	98
65) 1,4-Dichlorobenzene	13.535	146	187392	26.25	ug/L	98
67) 1,2-Dichlorobenzene	13.829	146	163452	26.39	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.446	75	11039	22.70	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.593	180	122291	25.80	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	98317	25.35	ug/L	99
71) Naphthalene	15.329	128	169196	24.00	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	94006	25.85	ug/L	99

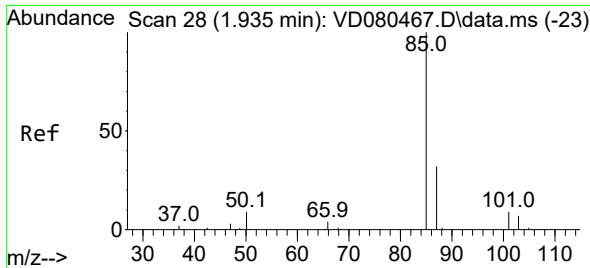
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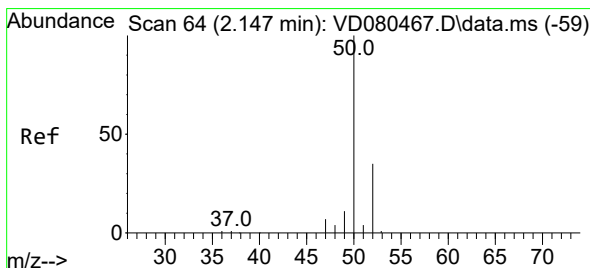
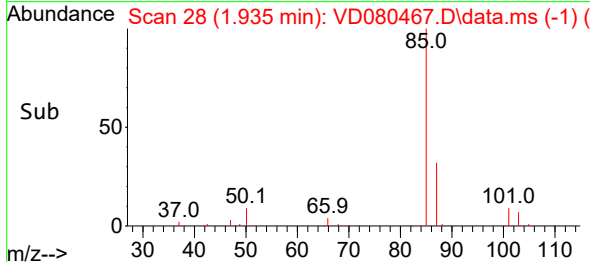
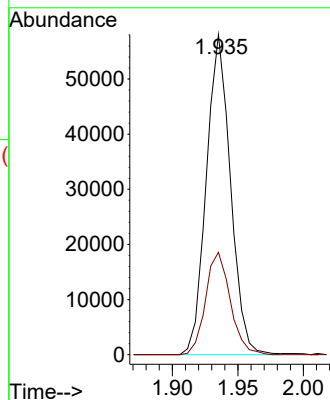
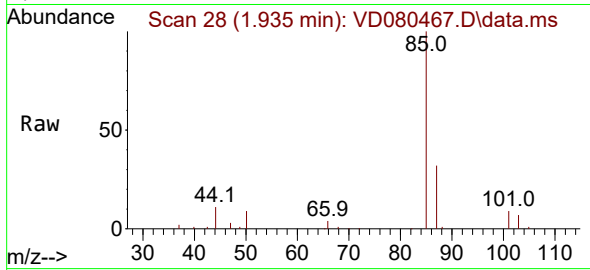




#2
 Dichlorodifluoromethane
 Concen: 22.17 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

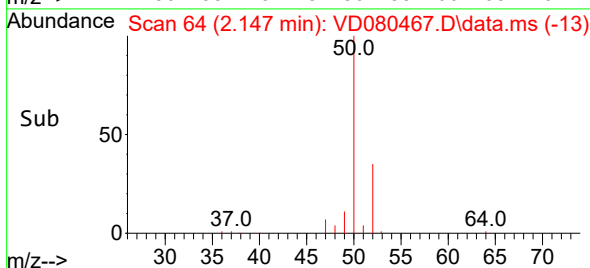
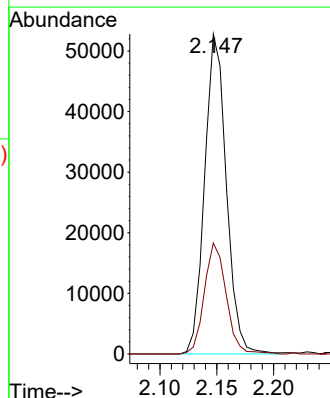
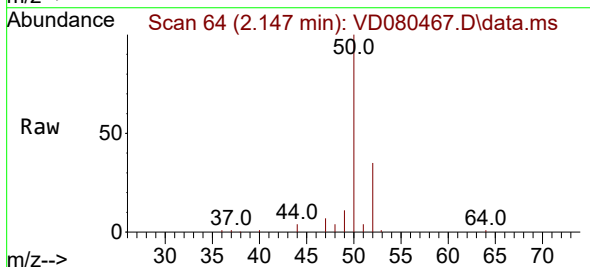
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

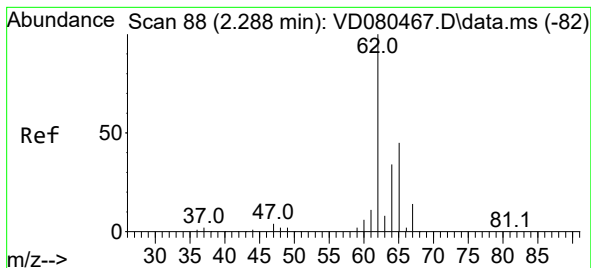
Tgt Ion: 85 Resp: 74335
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 22.30 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion: 50 Resp: 70181
 Ion Ratio Lower Upper
 50 100
 52 34.6 23.8 44.2





#5

Vinyl chloride

Concen: 23.28 ug/L

RT: 2.288 min Scan# 88

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

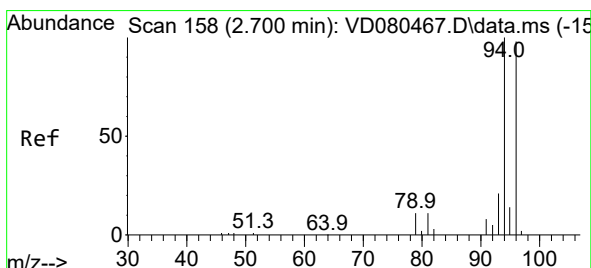
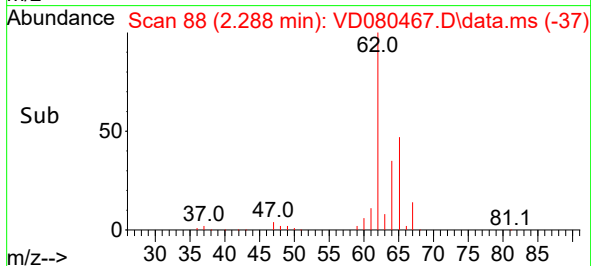
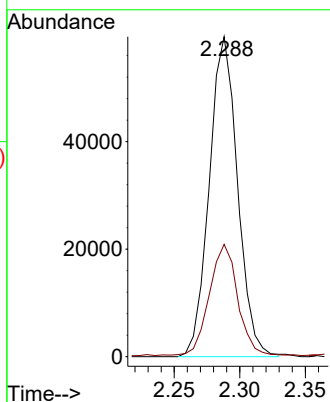
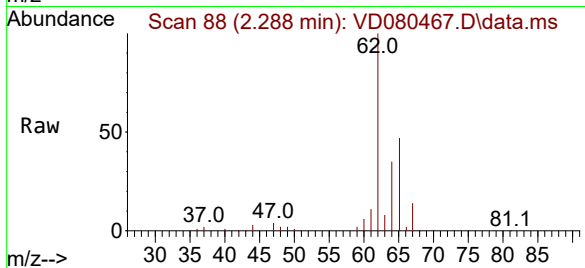
VSTD025511

Tgt Ion: 62 Resp: 89415

Ion Ratio Lower Upper

62 100

64 35.1 25.6 47.6



#6

Bromomethane

Concen: 25.87 ug/L

RT: 2.700 min Scan# 158

Delta R.T. 0.000 min

Lab File: VD080467.D

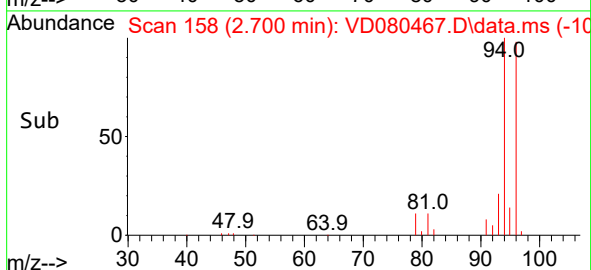
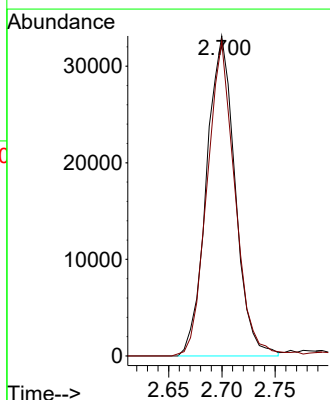
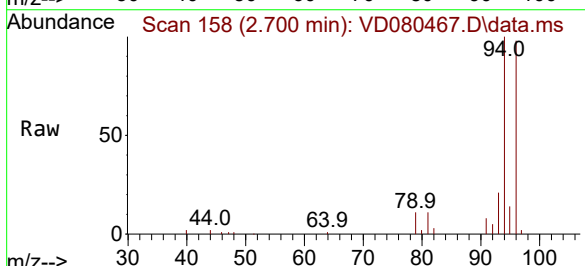
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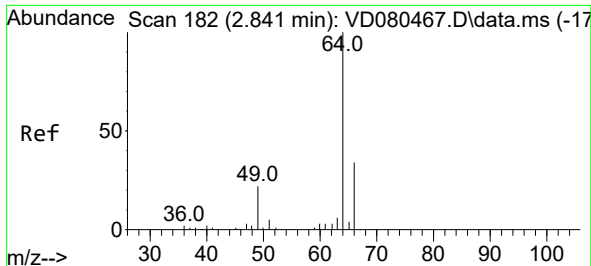
Tgt Ion: 94 Resp: 61715

Ion Ratio Lower Upper

94 100

96 98.3 67.6 125.6

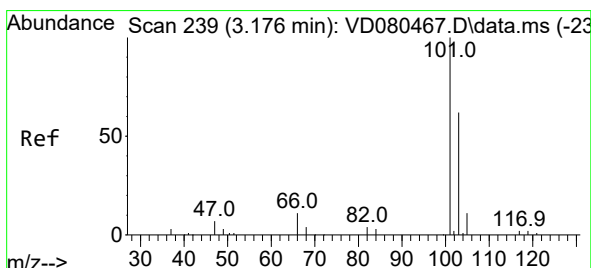
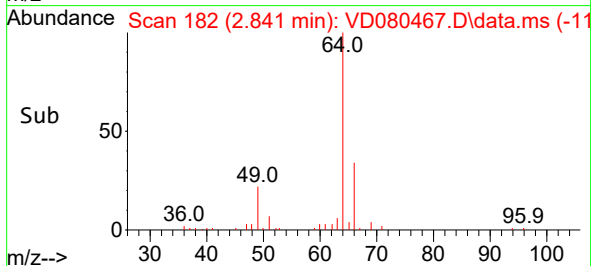
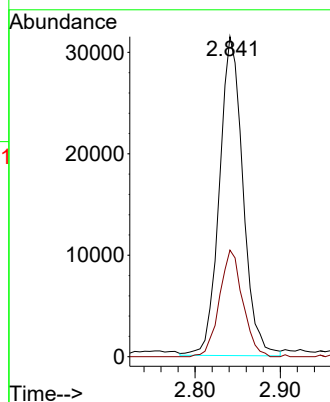
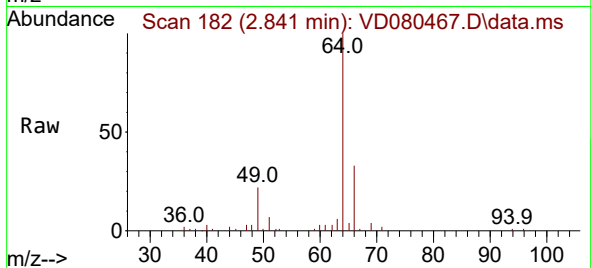




#8
Chloroethane
Concen: 22.91 ug/L
RT: 2.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

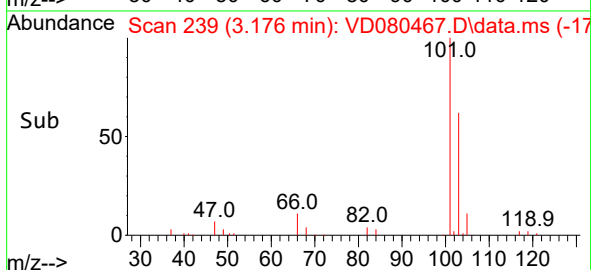
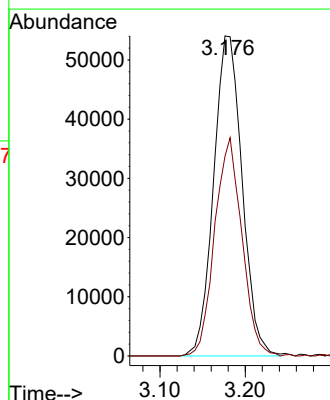
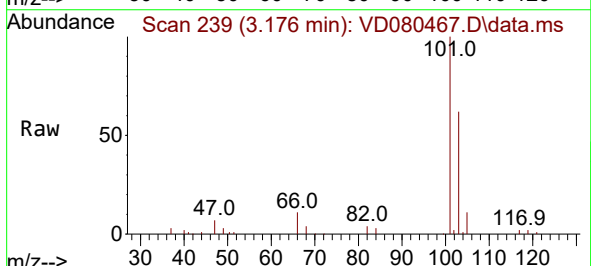
Instrument :
MSVOA_D
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VSTD025511

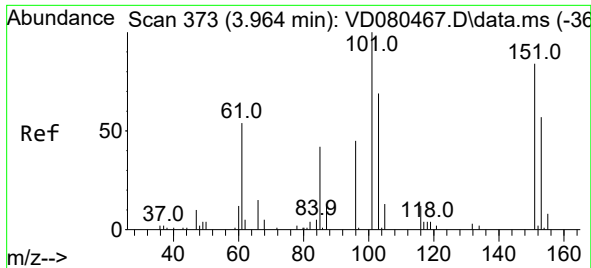
Tgt Ion: 64 Resp: 60586
Ion Ratio Lower Upper
64 100
66 33.3 23.9 44.3



#9
Trichlorofluoromethane
Concen: 23.84 ug/L
RT: 3.176 min Scan# 239
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion:101 Resp: 125691
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.4

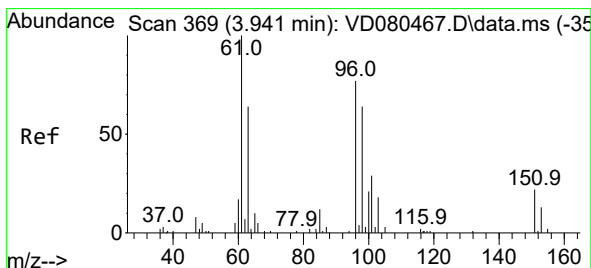
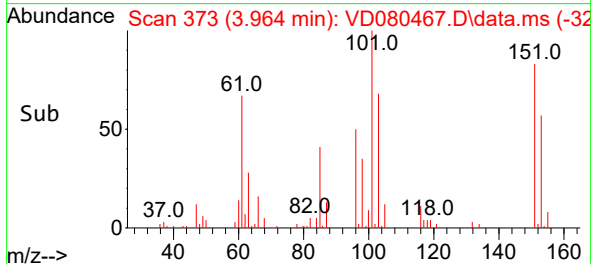
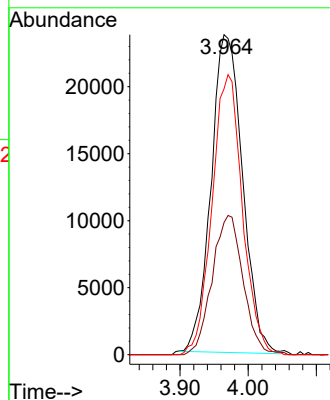
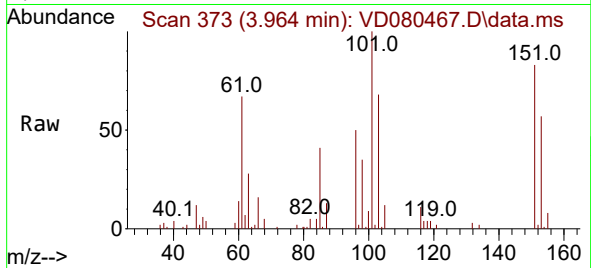




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.32 ug/L
RT: 3.964 min Scan# 373
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

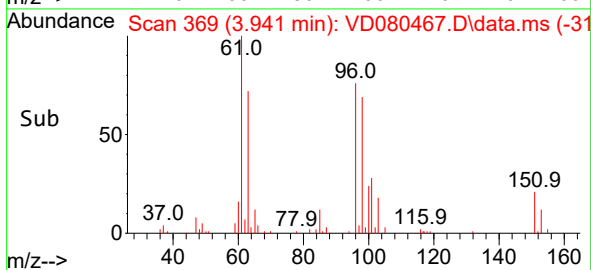
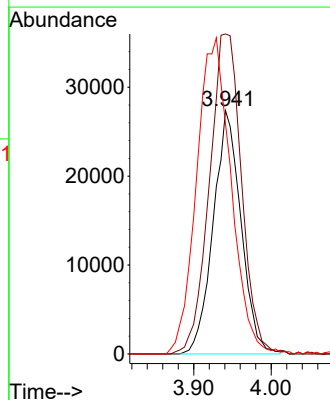
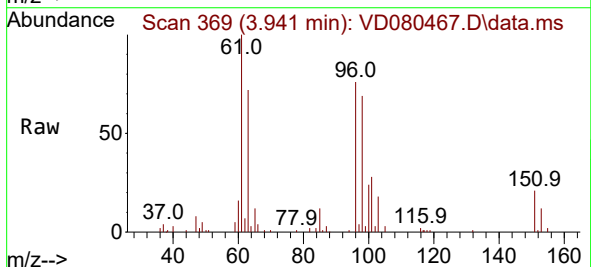
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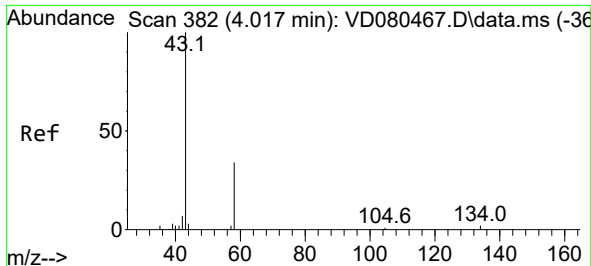
Tgt Ion:101 Resp: 76307
Ion Ratio Lower Upper
101 100
85 43.1 32.0 48.0
151 84.7 63.7 95.5



#12
1,1-Dichloroethene
Concen: 25.60 ug/L
RT: 3.941 min Scan# 369
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 96 Resp: 68031
Ion Ratio Lower Upper
96 100
61 131.5 103.0 191.4
63 94.7 66.4 123.2





#13

Acetone

Concen: 59.16 ug/L

RT: 4.017 min Scan# 382

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

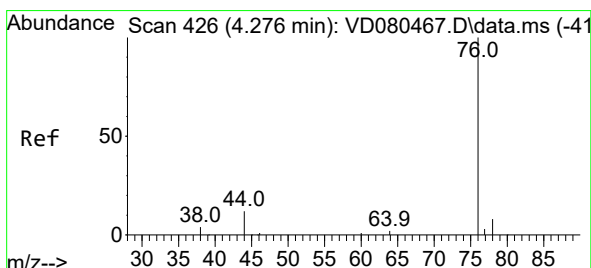
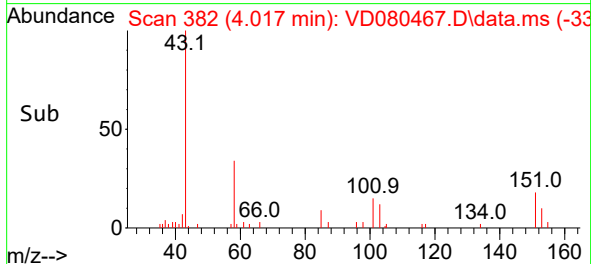
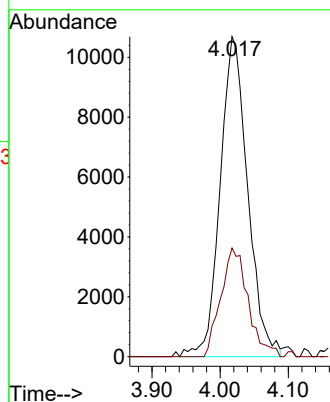
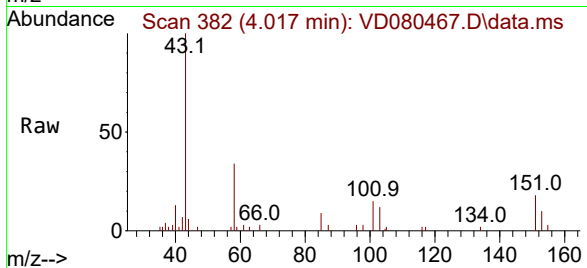
VSTD025511

Tgt Ion: 43 Resp: 30042

Ion Ratio Lower Upper

43 100

58 33.6 0.0 71.0



#14

Carbon disulfide

Concen: 24.13 ug/L

RT: 4.276 min Scan# 426

Delta R.T. 0.000 min

Lab File: VD080467.D

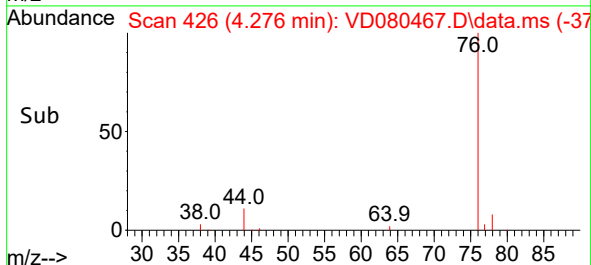
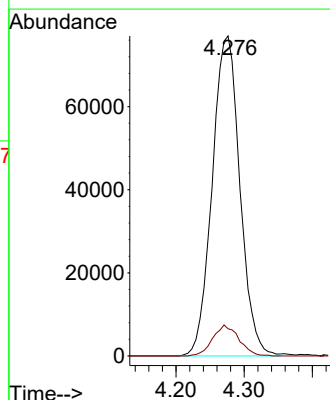
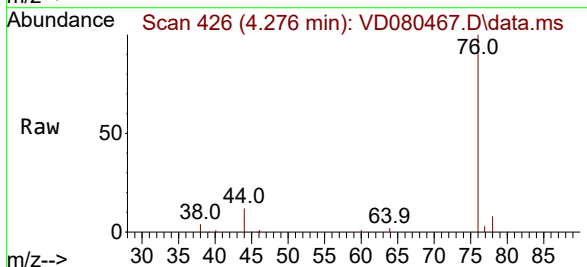
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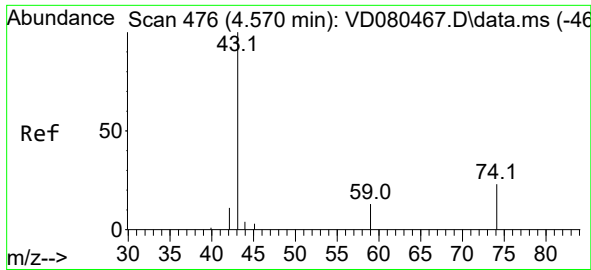
Tgt Ion: 76 Resp: 217595

Ion Ratio Lower Upper

76 100

78 8.5 7.9 11.9

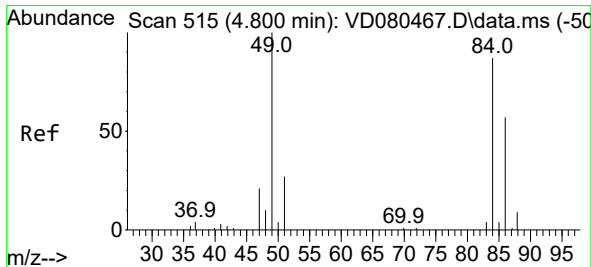
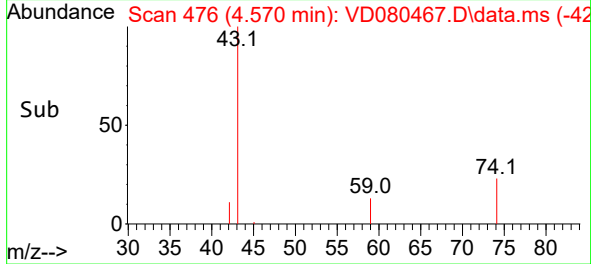
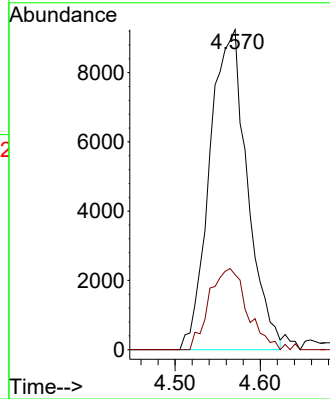
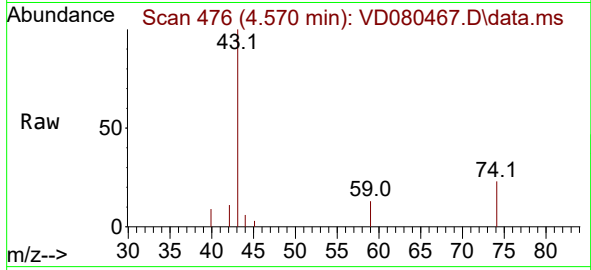




#15
Methyl Acetate
Concen: 23.15 ug/L
RT: 4.570 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

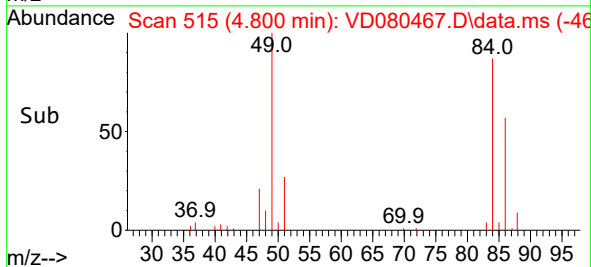
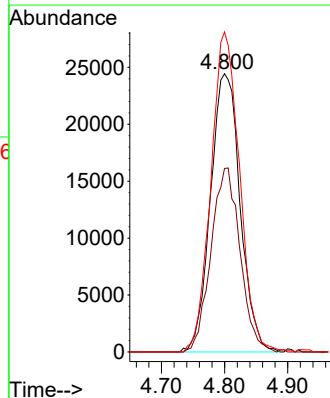
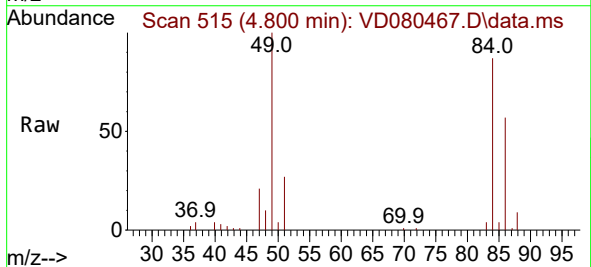
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

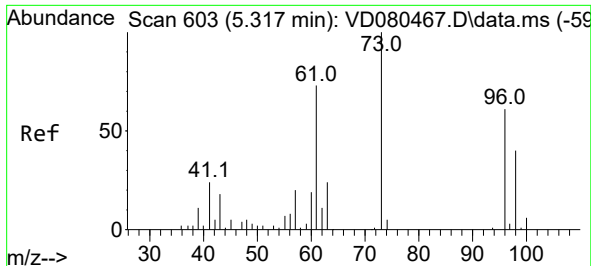
Tgt Ion: 43 Resp: 28341
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 24.27 ug/L
RT: 4.800 min Scan# 515
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 84 Resp: 79721
Ion Ratio Lower Upper
84 100
86 65.9 46.7 86.7
49 115.0 83.0 154.1





#17

trans-1,2-Dichloroethene

Concen: 26.62 ug/L

RT: 5.317 min Scan# 603

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

VSTD025511

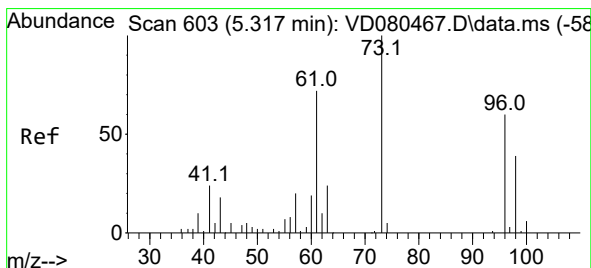
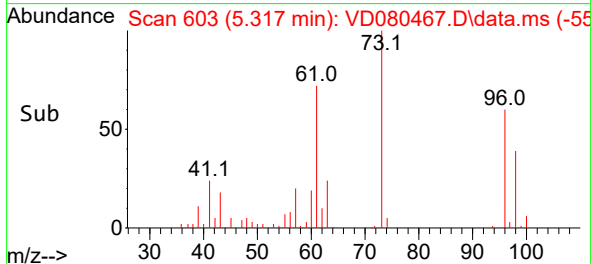
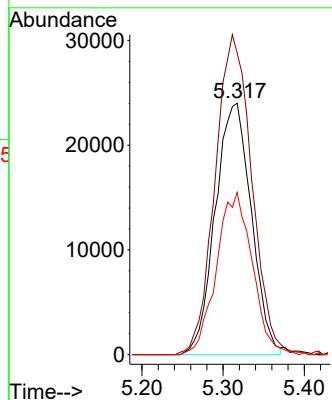
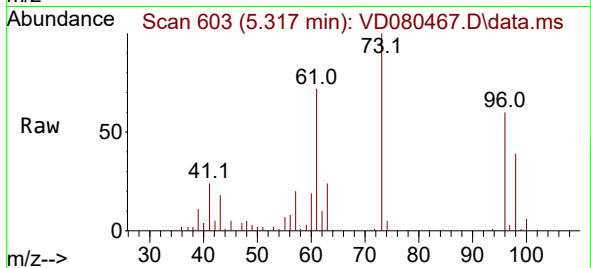
Tgt Ion: 96 Resp: 74081

Ion Ratio Lower Upper

96 100

61 119.9 82.0 152.2

98 64.5 40.3 74.8



#18

Methyl tert-butyl Ether

Concen: 24.43 ug/L

RT: 5.317 min Scan# 603

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

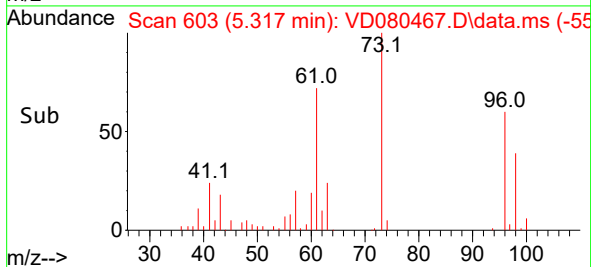
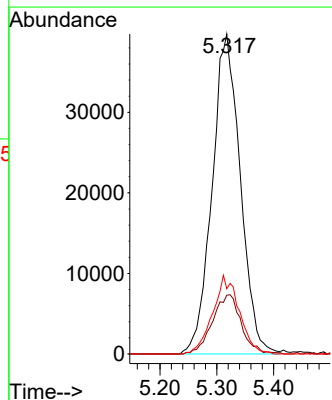
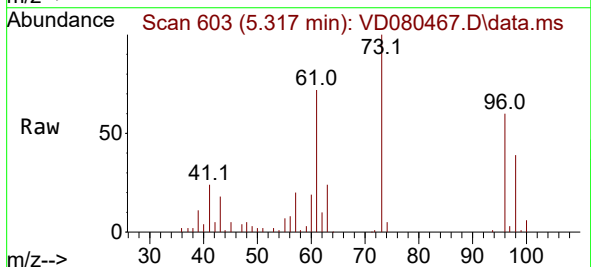
Tgt Ion: 73 Resp: 136832

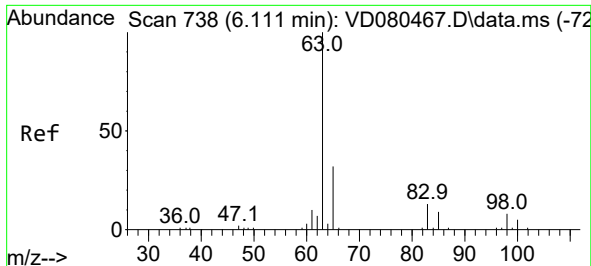
Ion Ratio Lower Upper

73 100

43 18.7 15.8 23.8

57 12.9 17.6 26.4

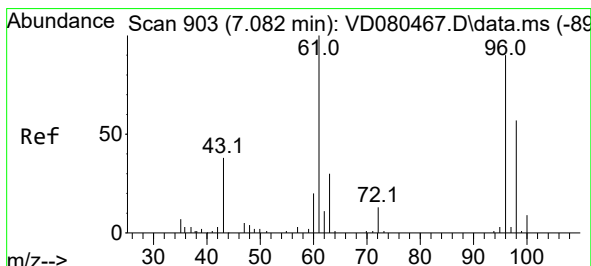
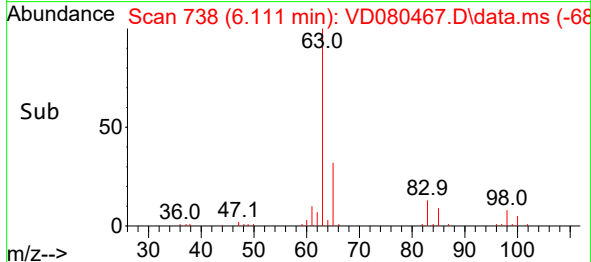
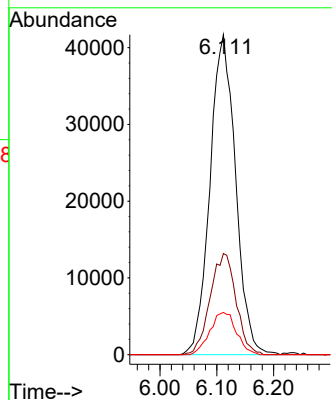
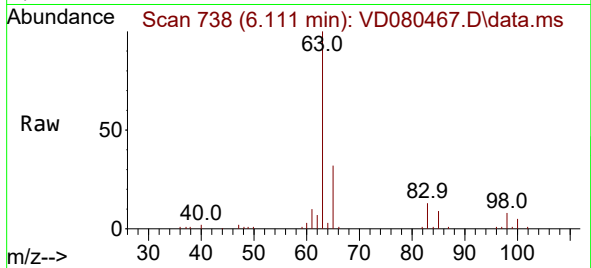




#19
 1,1-Dichloroethane
 Concen: 24.97 ug/L
 RT: 6.111 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

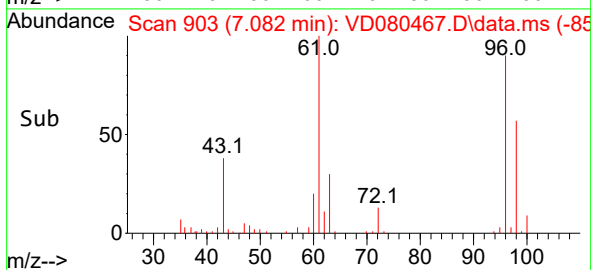
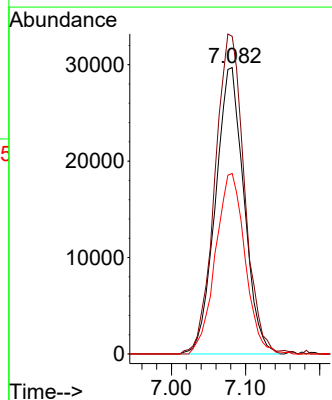
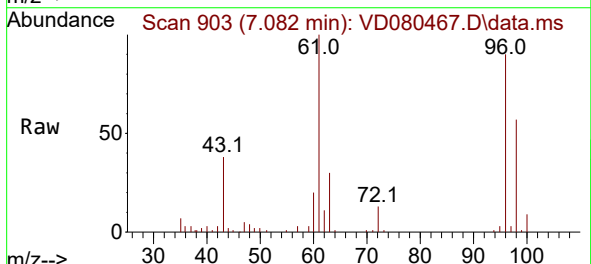
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

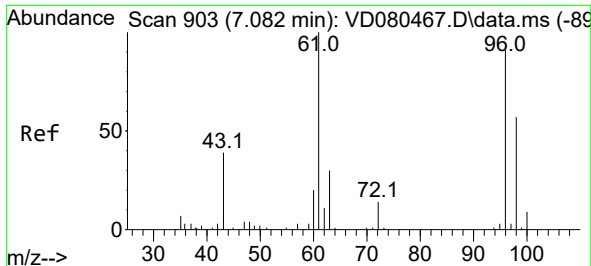
Tgt Ion: 63 Resp: 130294
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 41.0
 83 13.2 10.8 20.0



#20
 cis-1,2-Dichloroethene
 Concen: 26.13 ug/L
 RT: 7.082 min Scan# 903
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion: 96 Resp: 79303
 Ion Ratio Lower Upper
 96 100
 61 110.9 75.8 140.8
 98 63.0 45.9 85.3





#22

2-Butanone

Concen: 49.79 ug/L

RT: 7.082 min Scan# 903

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

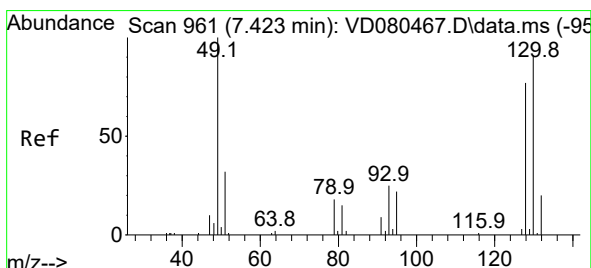
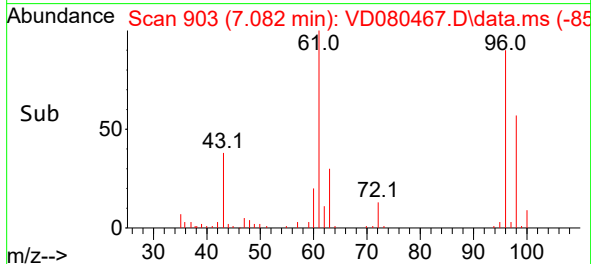
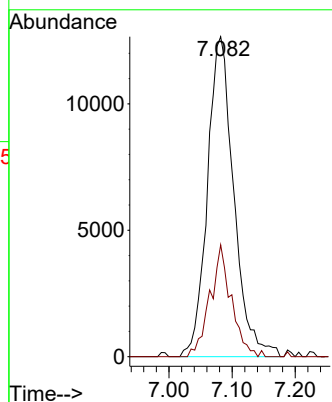
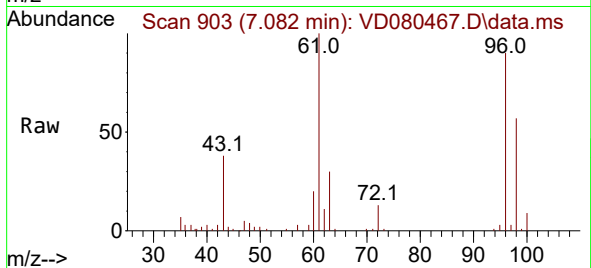
VSTD025511

Tgt Ion: 43 Resp: 36703

Ion Ratio Lower Upper

43 100

72 28.0 14.9 44.5



#23

Bromochloromethane

Concen: 25.61 ug/L

RT: 7.423 min Scan# 961

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Tgt Ion: 128 Resp: 41772

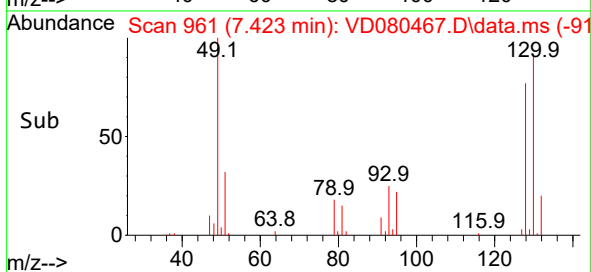
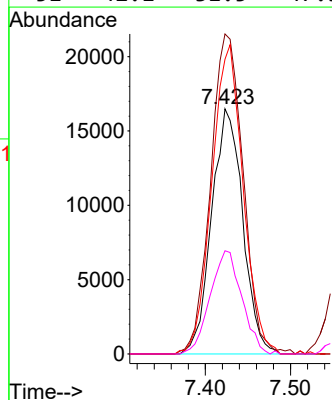
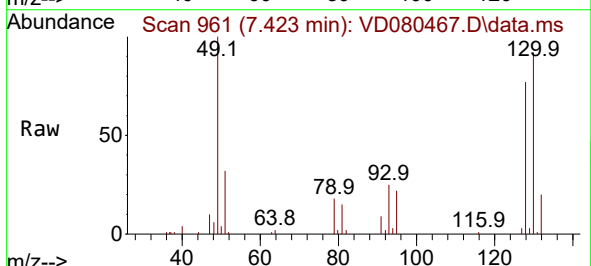
Ion Ratio Lower Upper

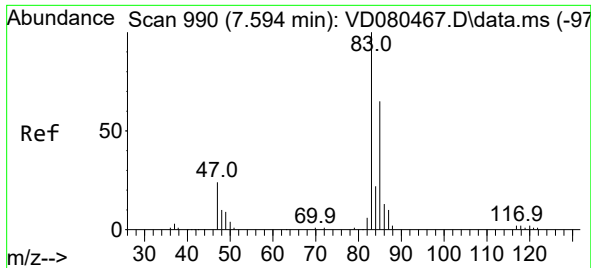
128 100

49 130.6 89.5 166.3

130 120.3 82.5 153.1

51 42.1 31.5 47.3

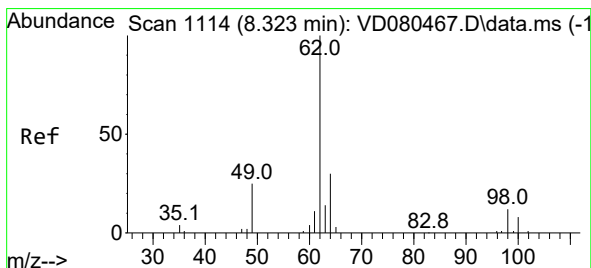
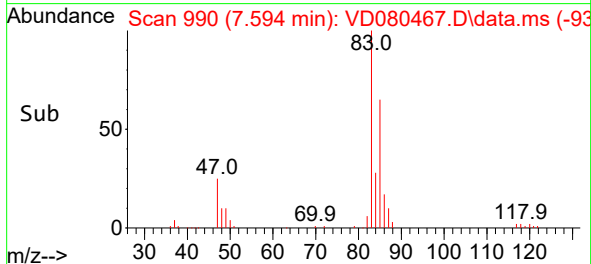
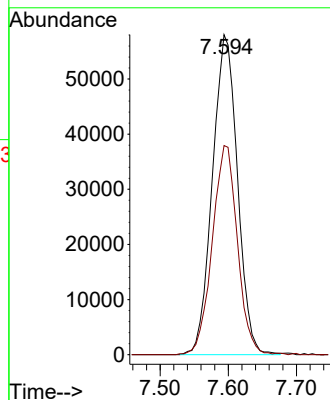
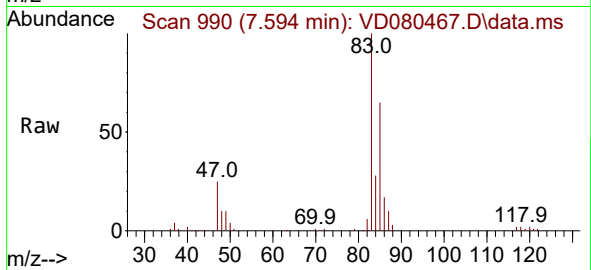




#25
Chloroform
Concen: 24.72 ug/L
RT: 7.594 min Scan# 990
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

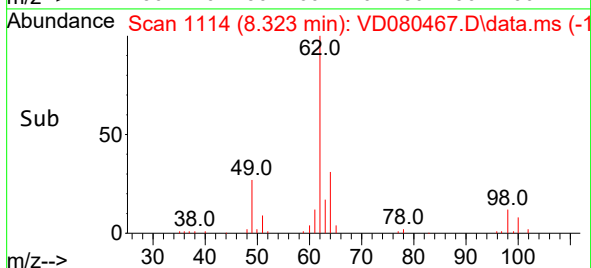
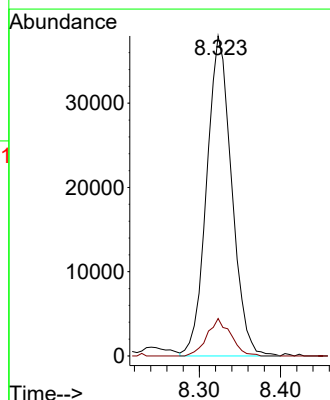
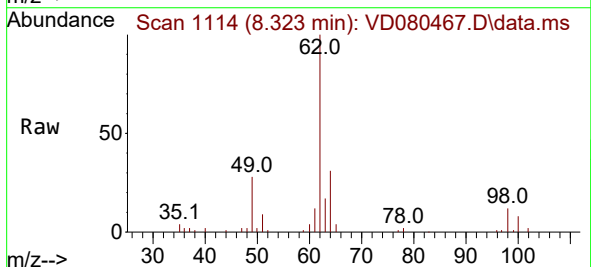
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

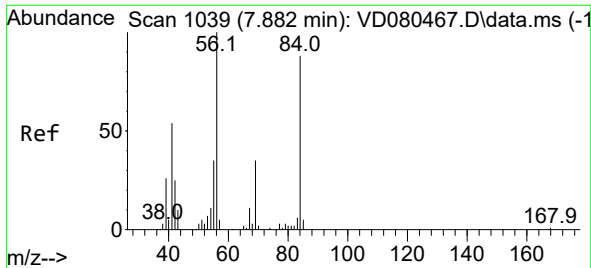
Tgt Ion: 83 Resp: 148554
Ion Ratio Lower Upper
83 100
85 65.3 42.0 78.0



#27
1,2-Dichloroethane
Concen: 24.07 ug/L
RT: 8.323 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 62 Resp: 81185
Ion Ratio Lower Upper
62 100
98 11.7 9.4 14.2

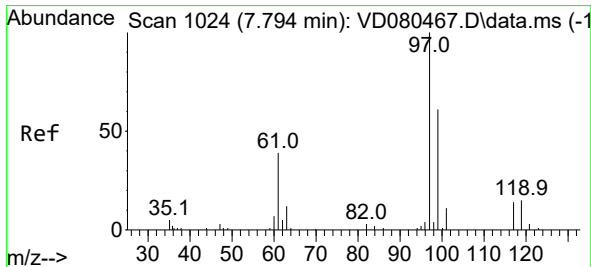
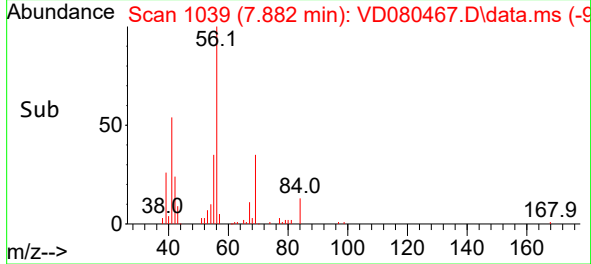
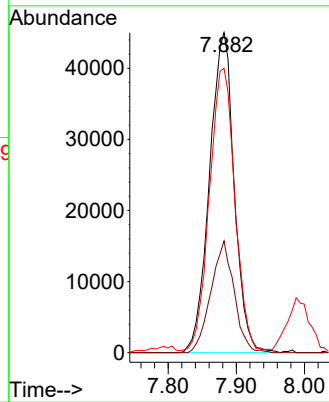
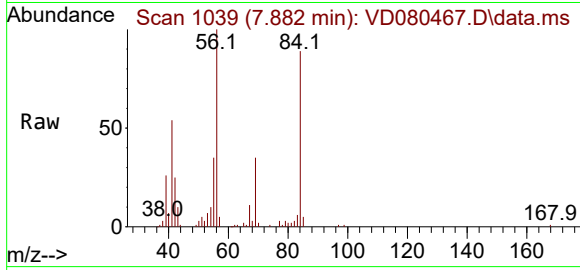




#29
Cyclohexane
Concen: 27.85 ug/L
RT: 7.882 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

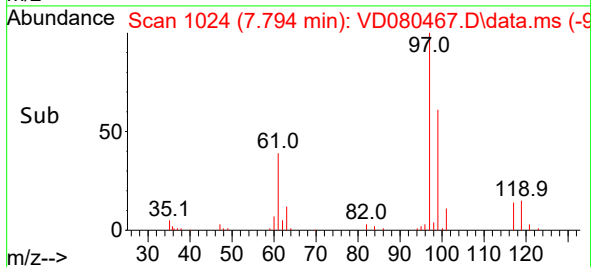
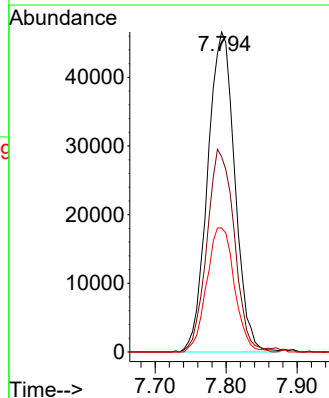
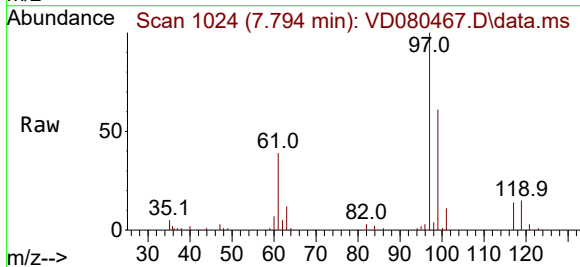
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

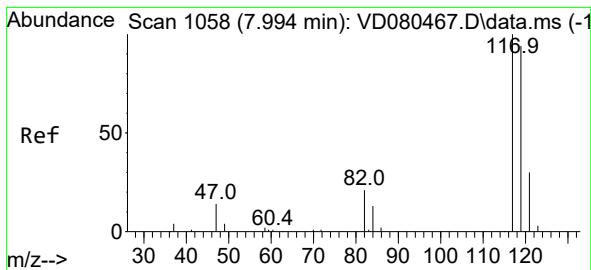
Tgt Ion: 56 Resp: 113401
Ion Ratio Lower Upper
56 100
69 32.8 25.7 38.5
84 92.3 73.4 110.0



#30
1,1,1-Trichloroethane
Concen: 26.78 ug/L
RT: 7.794 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 97 Resp: 123853
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 39.6 32.4 48.6

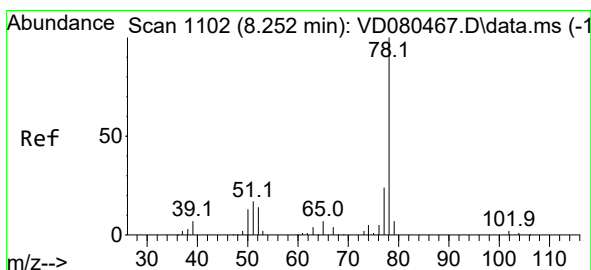
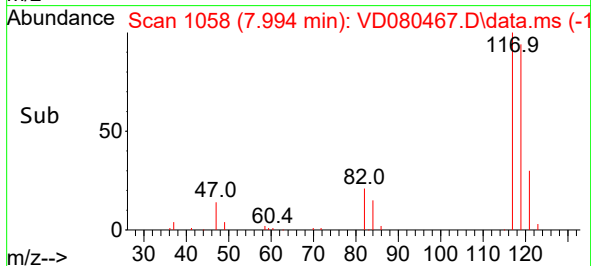
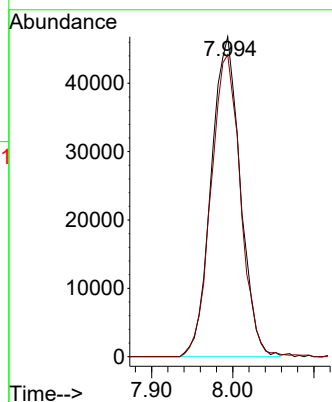
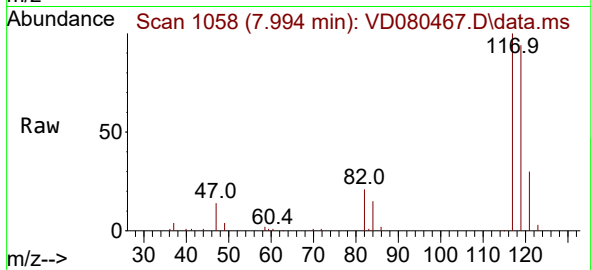




#31
Carbon tetrachloride
Concen: 26.25 ug/L
RT: 7.994 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

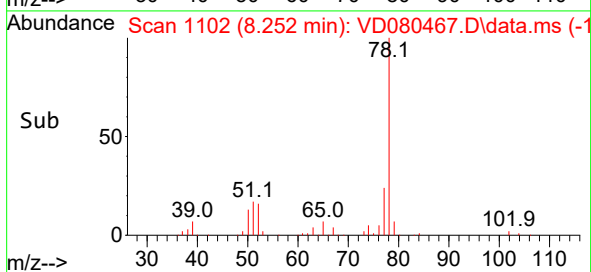
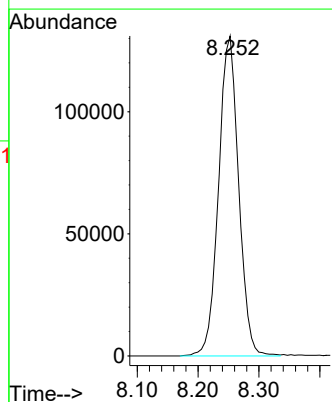
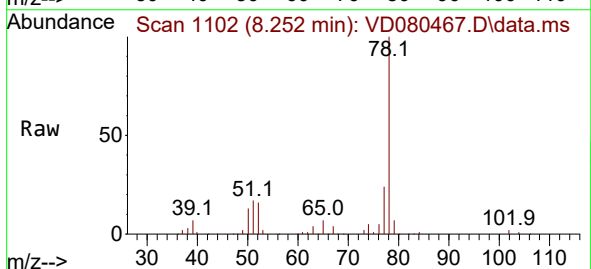
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

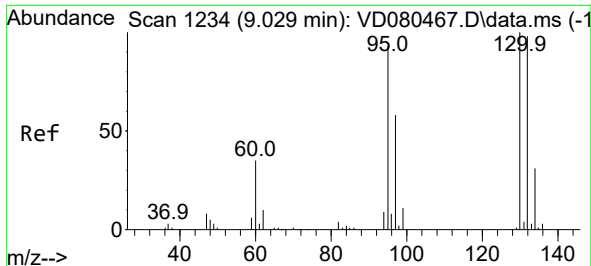
Tgt Ion:117 Resp: 116495
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8



#33
Benzene
Concen: 27.90 ug/L
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 78 Resp: 300165



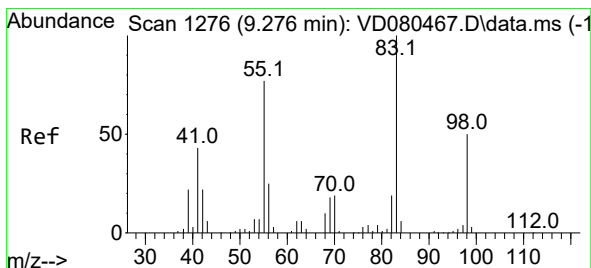
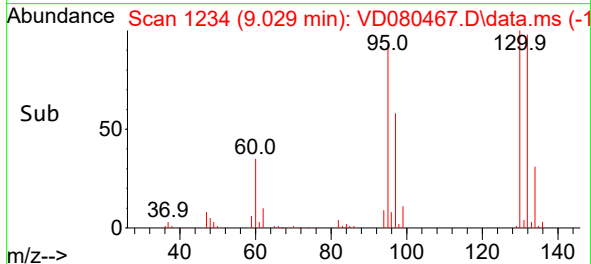
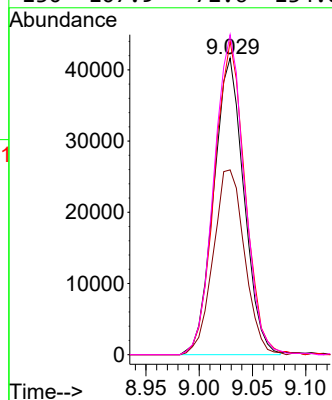
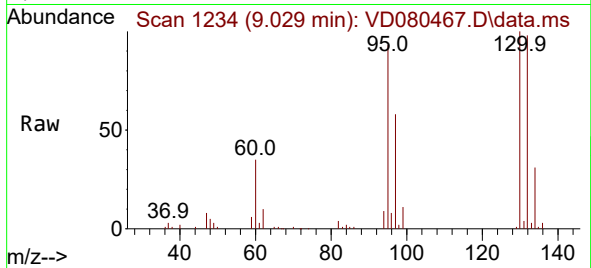


#34
Trichloroethene
Concen: 26.48 ug/L
RT: 9.029 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

Tgt Ion: 95 Resp: 82163

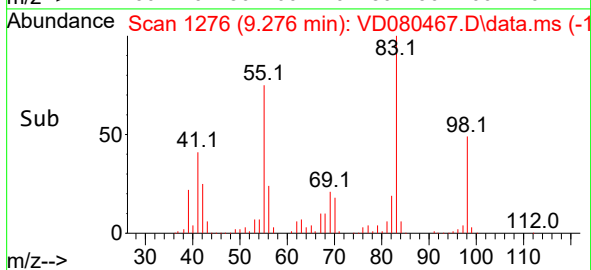
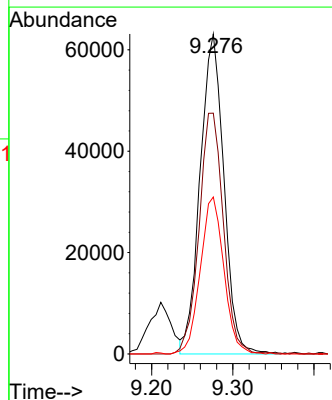
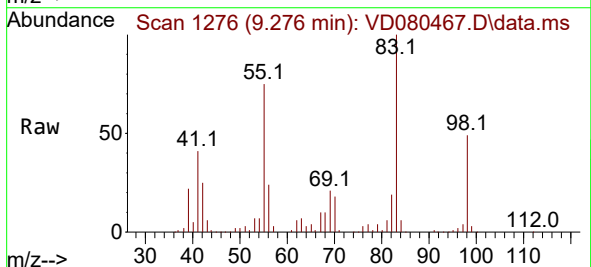
Ion	Ratio	Lower	Upper
95	100		
97	62.3	41.5	77.1
132	105.6	69.1	128.3
130	107.9	72.6	134.8

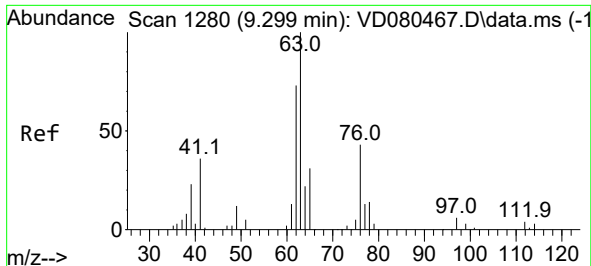


#35
Methylcyclohexane
Concen: 27.96 ug/L
RT: 9.276 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 83 Resp: 128232

Ion	Ratio	Lower	Upper
83	100		
55	76.8	59.7	89.5
98	48.6	38.2	57.2





#37

1,2-Dichloropropane

Concen: 26.83 ug/L

RT: 9.299 min Scan# 1280

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

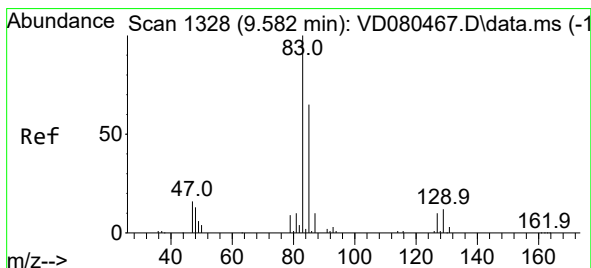
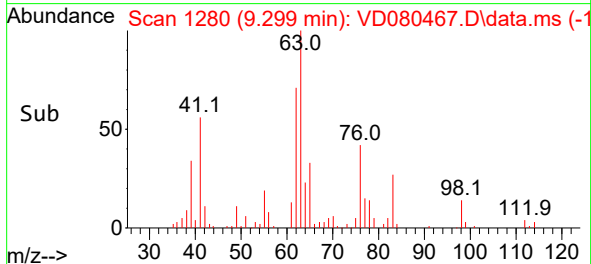
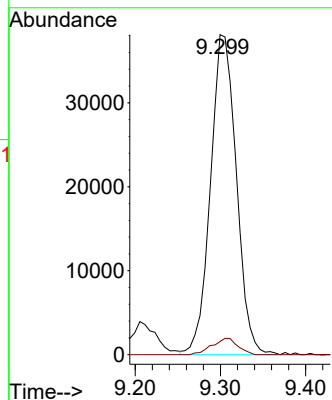
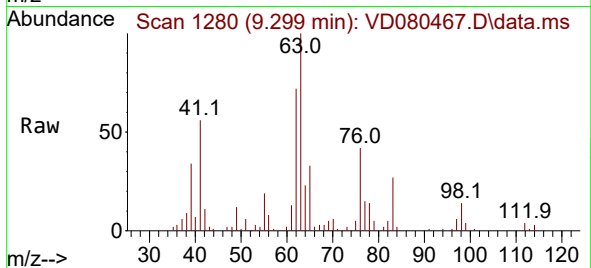
VSTD025511

Tgt Ion: 63 Resp: 80490

Ion Ratio Lower Upper

63 100

112 5.1 3.9 5.9



#38

Bromodichloromethane

Concen: 26.14 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

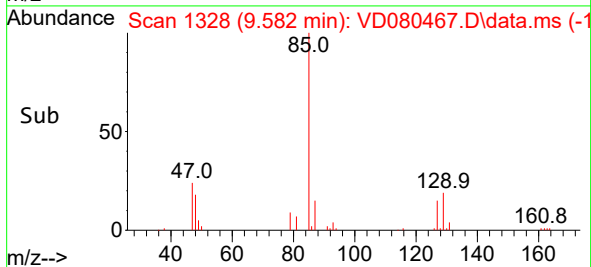
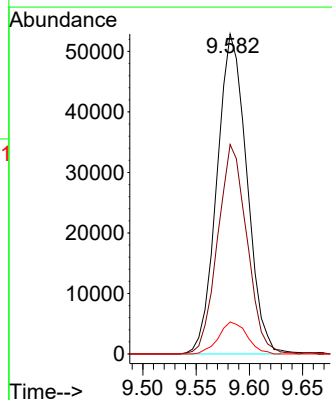
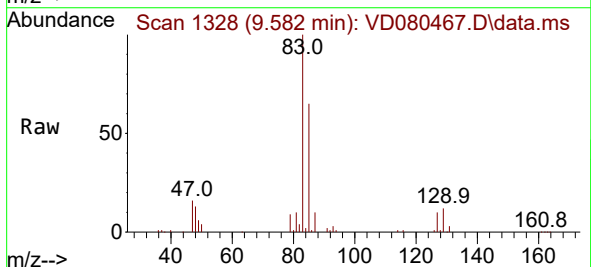
Tgt Ion: 83 Resp: 103116

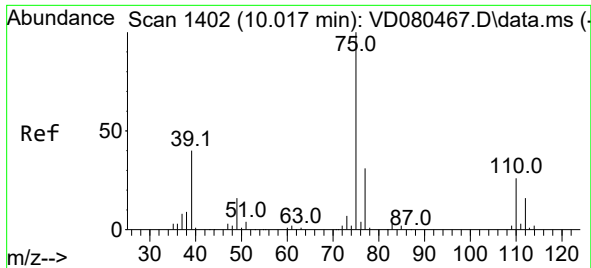
Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0

127 10.0 6.2 9.4#

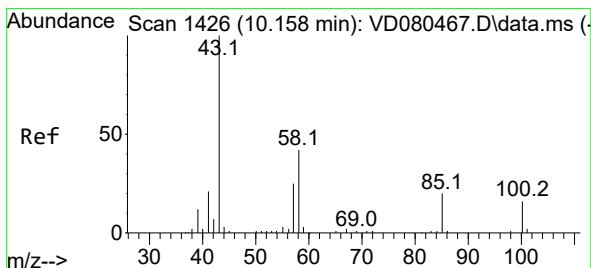
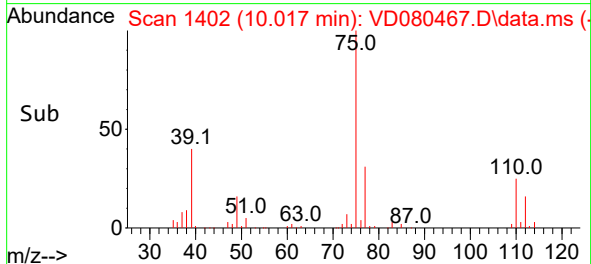
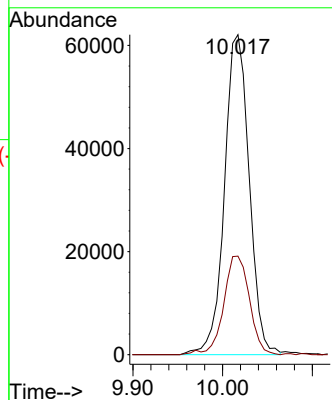
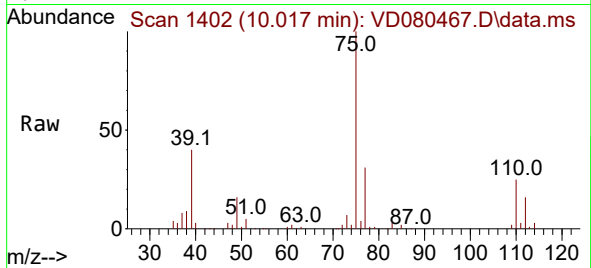




#39
 cis-1,3-Dichloropropene
 Concen: 26.48 ug/L
 RT: 10.017 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

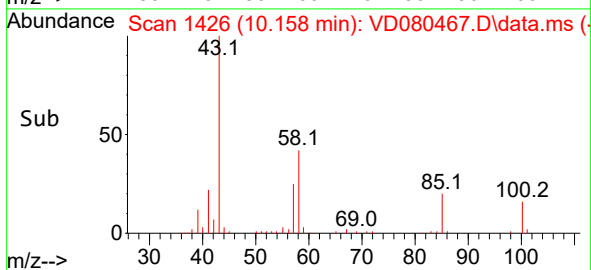
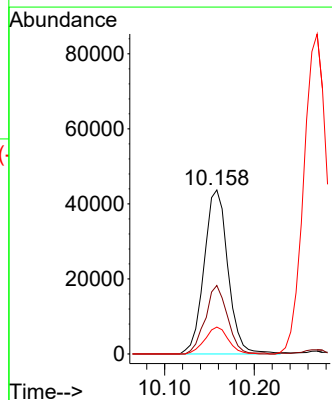
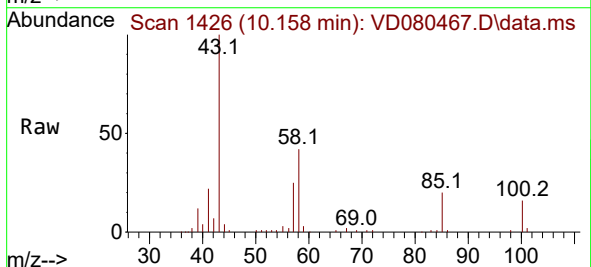
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

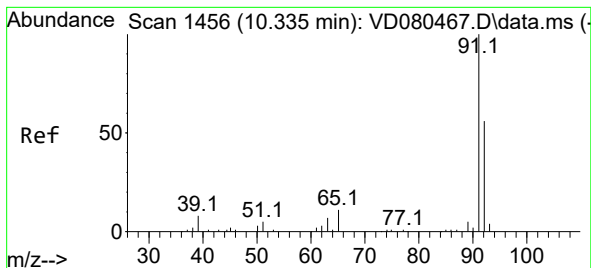
Tgt Ion: 75 Resp: 118882
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.1 44.7



#40
 4-Methyl-2-pentanone
 Concen: 52.48 ug/L
 RT: 10.158 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion: 43 Resp: 80701
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.7 47.5
 100 16.1 13.4 20.0





#42

Toluene

Concen: 28.98 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

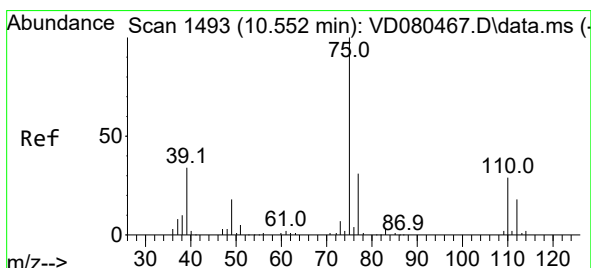
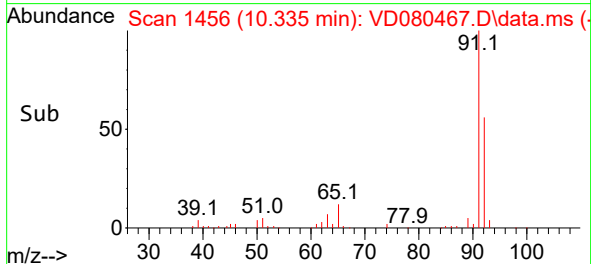
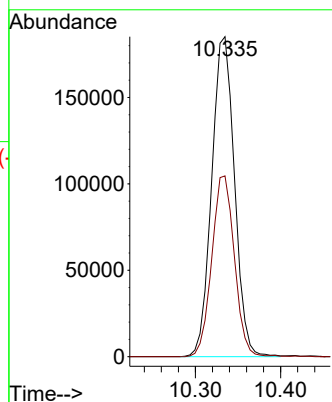
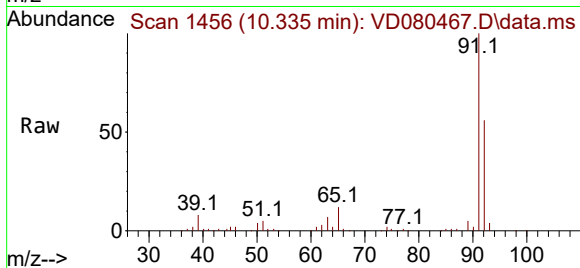
VSTD025511

Tgt Ion: 91 Resp: 344664

Ion Ratio Lower Upper

91 100

92 56.5 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 26.98 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080467.D

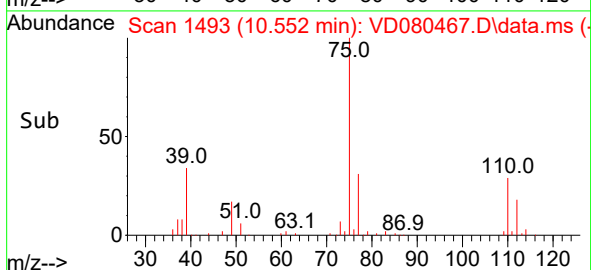
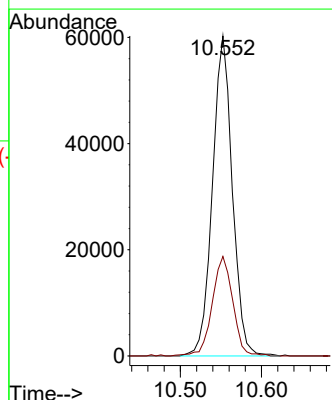
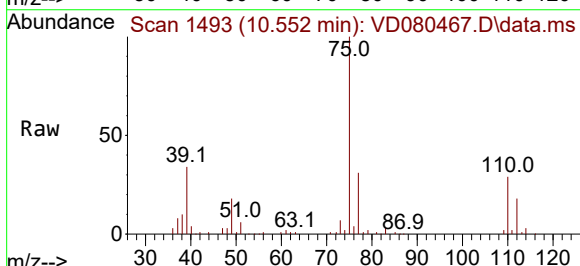
Acq: 23 Jun 2025 09:15

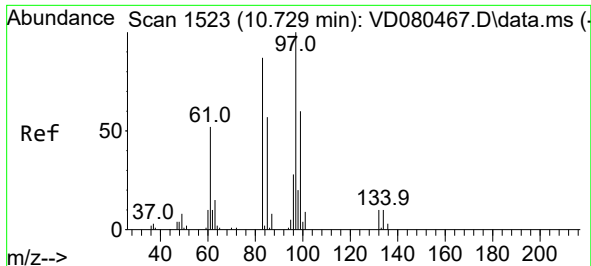
Tgt Ion: 75 Resp: 102532

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6

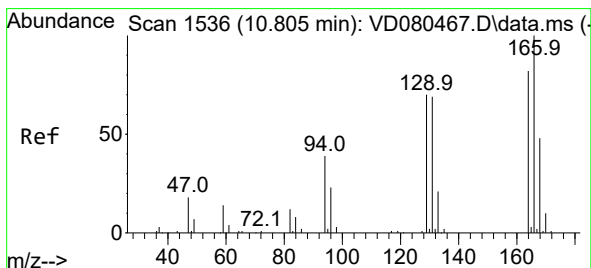
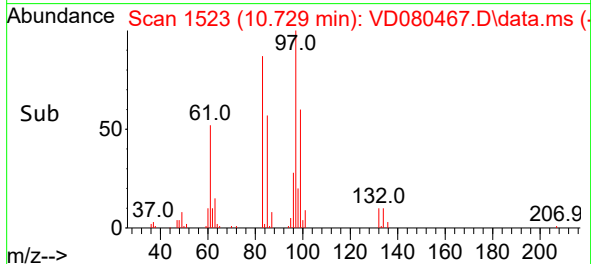
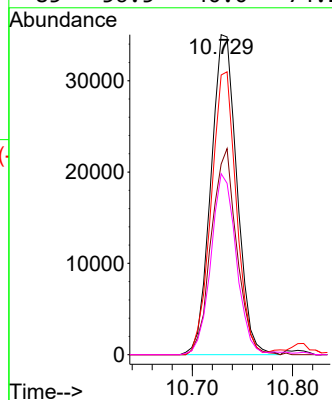
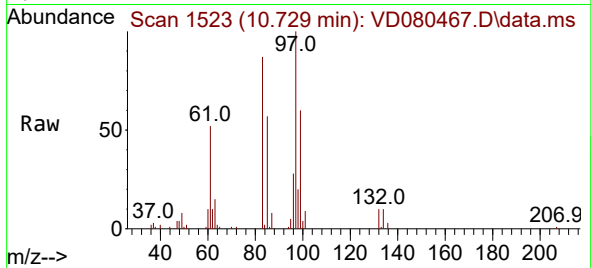




#45
1,1,2-Trichloroethane
Concen: 25.91 ug/L
RT: 10.729 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

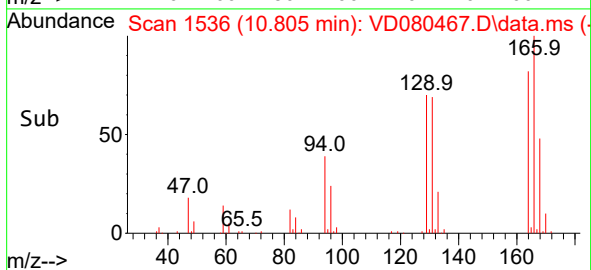
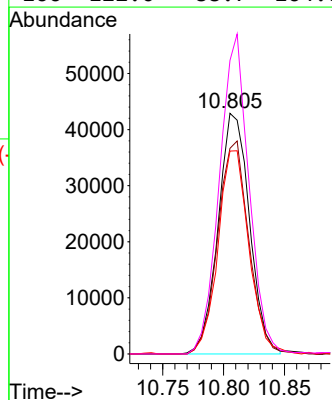
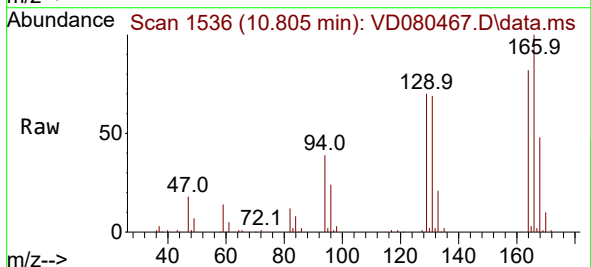
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

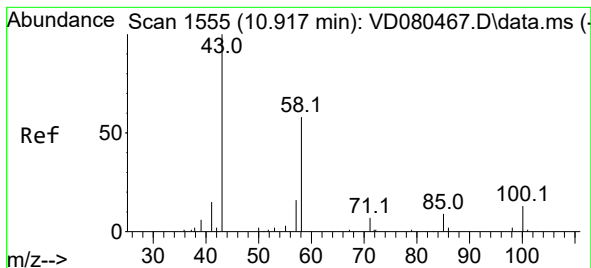
Tgt Ion: 97	Resp: 63174
Ion Ratio	Lower Upper
97 100	
99 59.5	46.5 86.3
83 87.4	58.5 108.7
85 56.5	40.0 74.2



#46
Tetrachloroethene
Concen: 27.66 ug/L
RT: 10.805 min Scan# 1536
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt	Ion:164	Resp:	76753
Ion	Ratio	Lower	Upper
164	100		
129	85.4	59.7	110.9
131	84.3	58.7	109.1
166	122.0	88.7	164.7





#48

2-Hexanone

Concen: 52.27 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

VSTD025511

Tgt Ion: 43 Resp: 58566

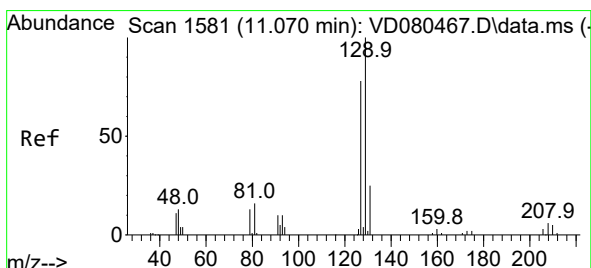
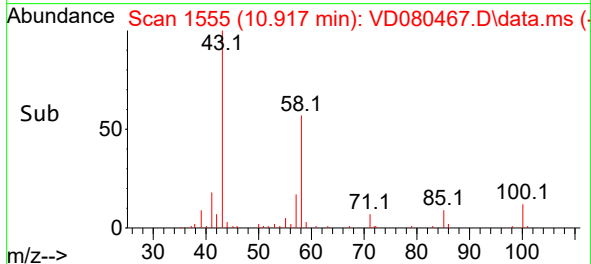
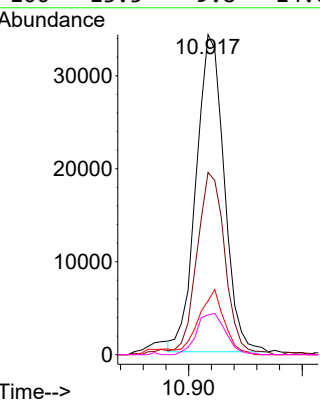
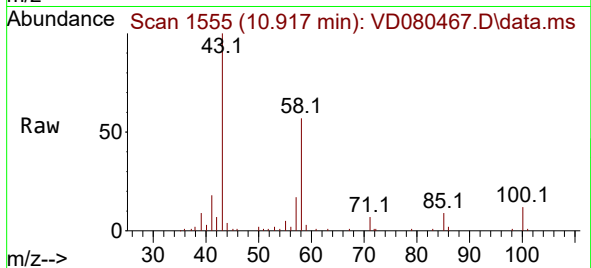
Ion Ratio Lower Upper

43 100

58 57.6 43.8 65.6

57 18.8 15.6 23.4

100 13.5 9.8 14.6



#49

Dibromochloromethane

Concen: 26.29 ug/L

RT: 11.070 min Scan# 1581

Delta R.T. 0.000 min

Lab File: VD080467.D

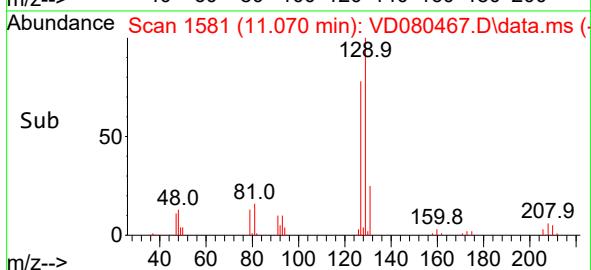
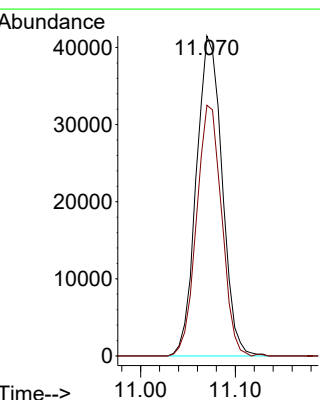
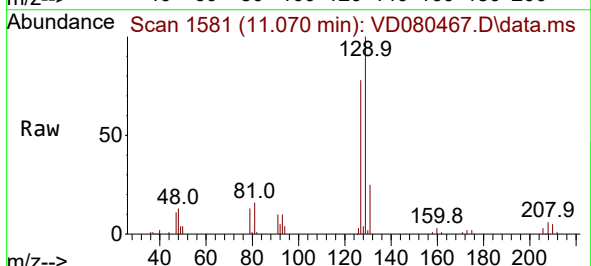
Acq: 23 Jun 2025 09:15

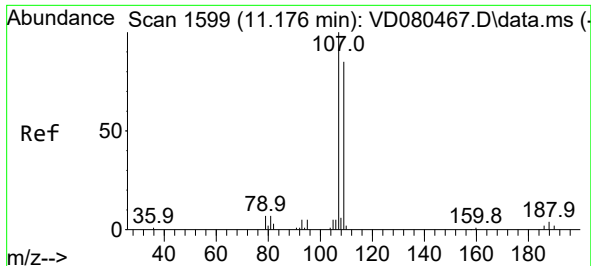
Tgt Ion: 129 Resp: 78314

Ion Ratio Lower Upper

129 100

127 78.3 54.1 100.5

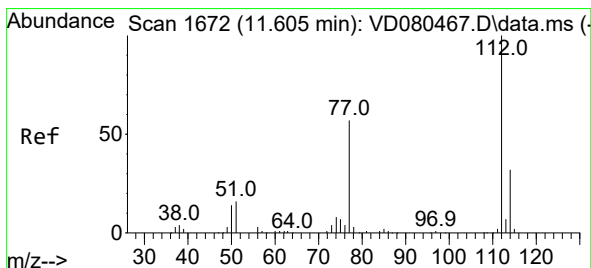
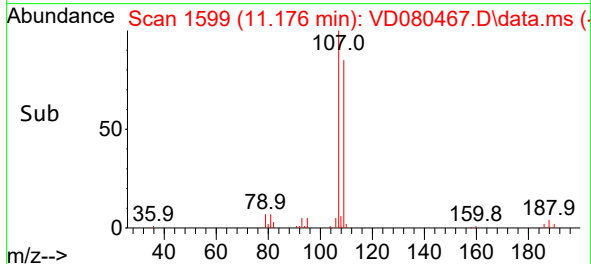
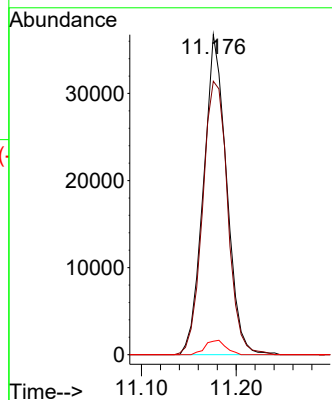
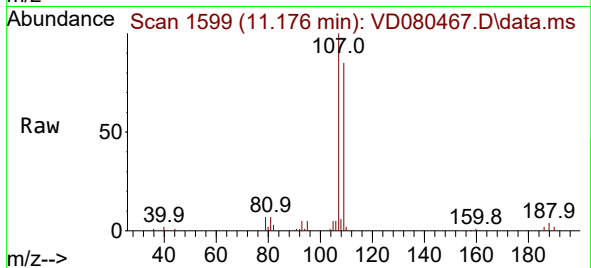




#50
1,2-Dibromoethane
Concen: 26.55 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

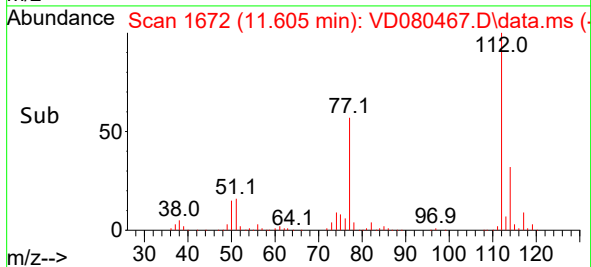
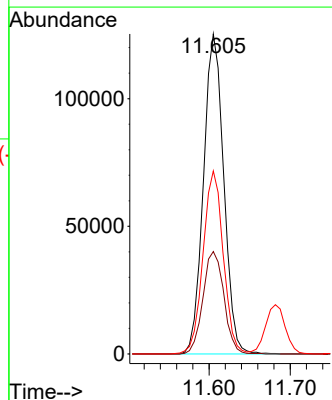
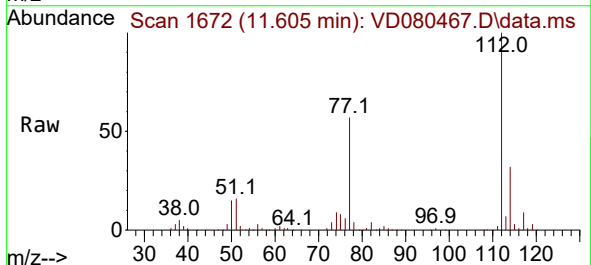
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

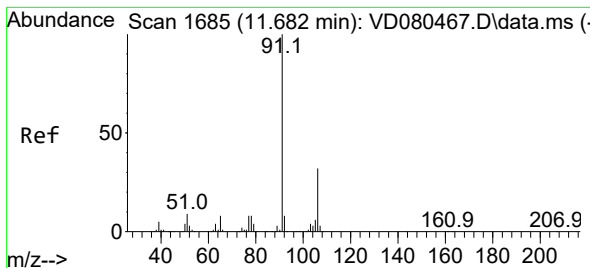
Tgt Ion:107 Resp: 62414
Ion Ratio Lower Upper
107 100
109 85.4 69.8 129.6
188 4.2 2.9 4.3



#51
Chlorobenzene
Concen: 26.50 ug/L
RT: 11.605 min Scan# 1672
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion:112 Resp: 217345
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.3
77 57.2 44.2 66.4

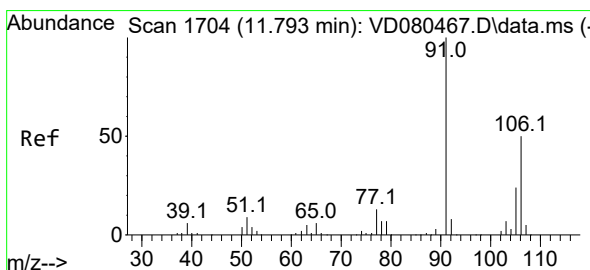
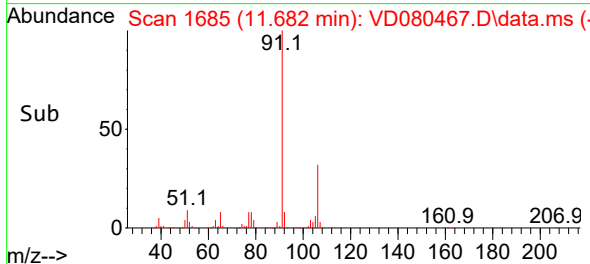
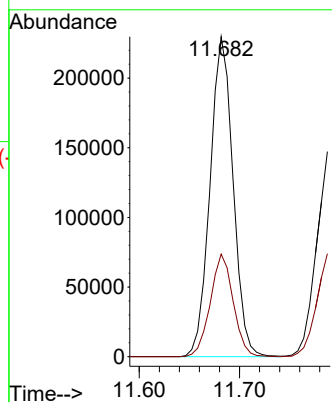
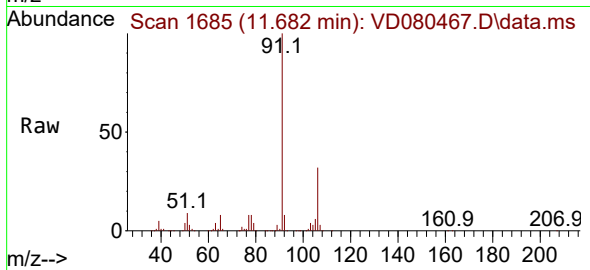




#52
Ethylbenzene
Concen: 28.47 ug/L
RT: 11.682 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

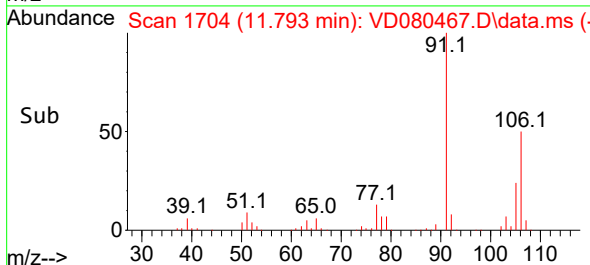
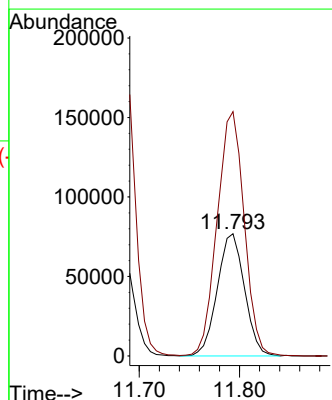
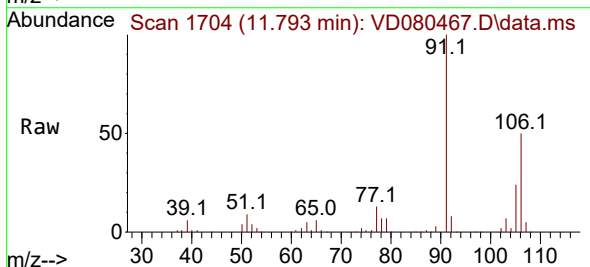
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

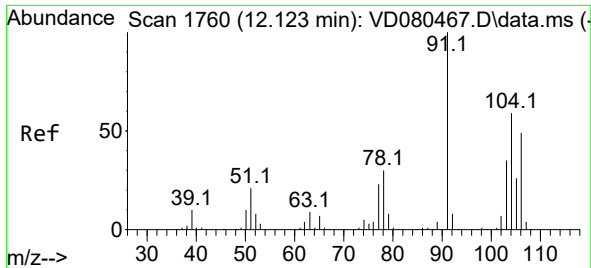
Tgt Ion: 91 Resp: 367172
Ion Ratio Lower Upper
91 100
106 32.1 22.1 41.1



#53
m,p-Xylene
Concen: 28.59 ug/L
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 106 Resp: 144710
Ion Ratio Lower Upper
106 100
91 199.8 134.1 249.1

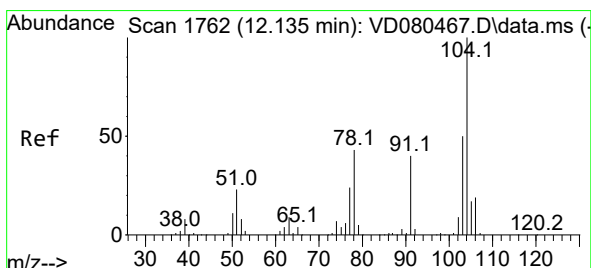
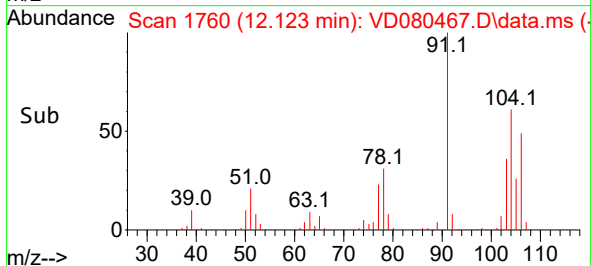
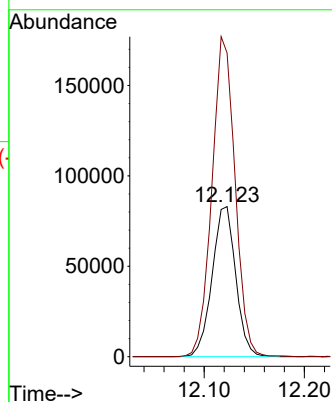
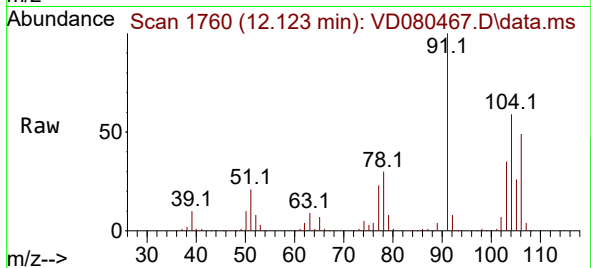




#54
o-Xylene
Concen: 28.44 ug/L
RT: 12.123 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

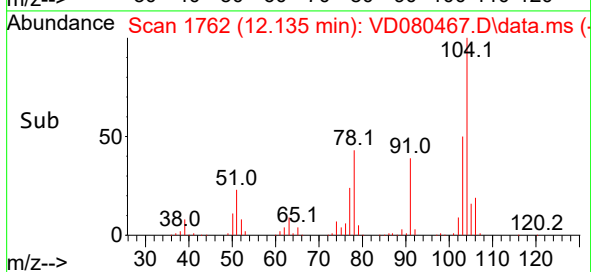
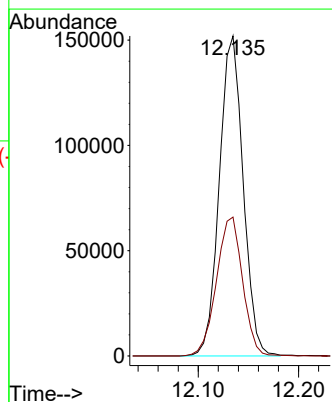
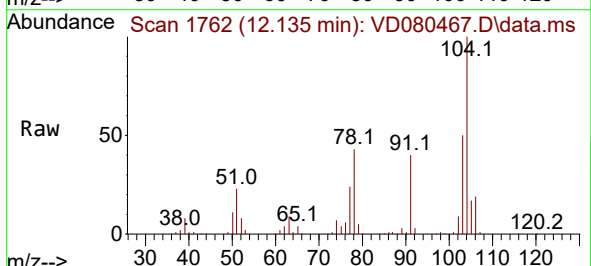
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

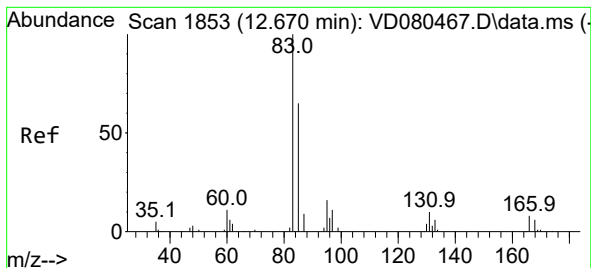
Tgt Ion:106 Resp: 135664
Ion Ratio Lower Upper
106 100
91 202.2 148.3 275.3



#55
Styrene
Concen: 29.75 ug/L
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion:104 Resp: 250257
Ion Ratio Lower Upper
104 100
78 43.4 30.0 55.8

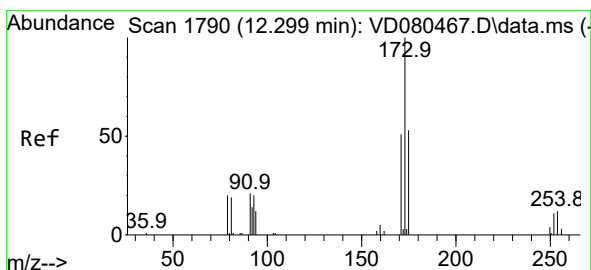
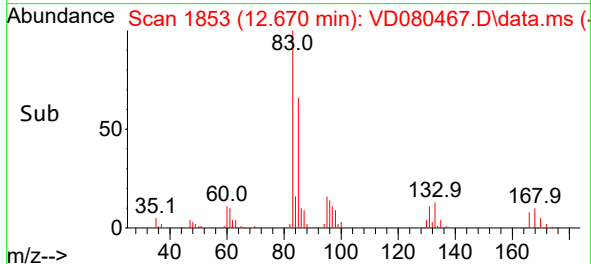
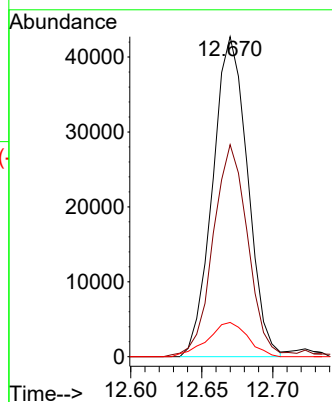
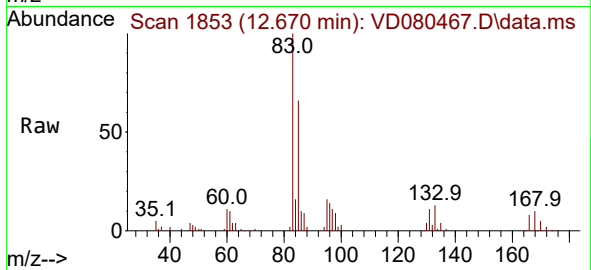




#57
1,1,2,2-Tetrachloroethane
Concen: 24.51 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

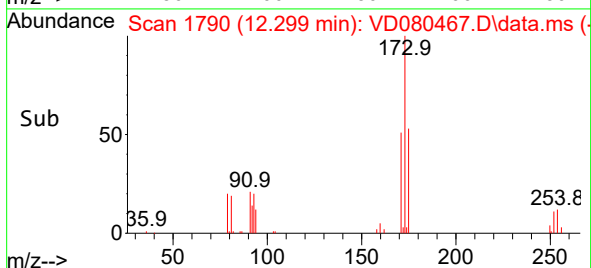
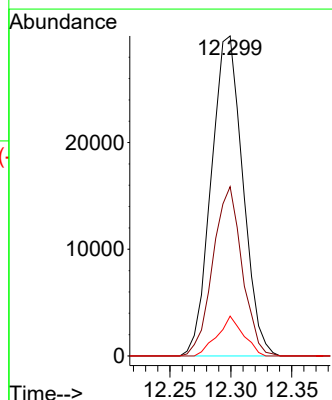
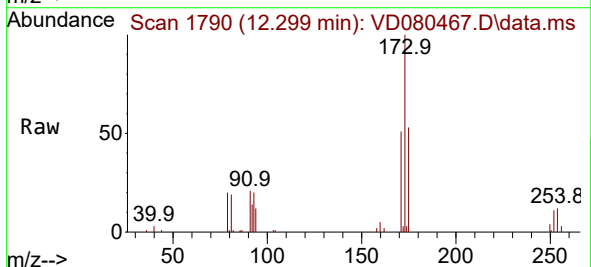
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

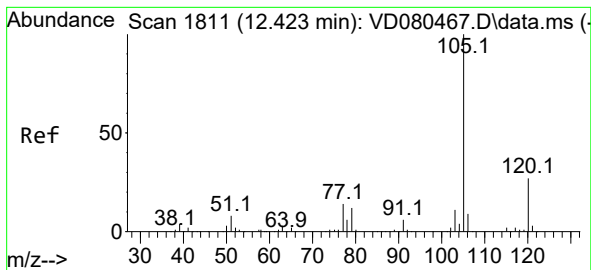
Tgt Ion: 83 Resp: 72976
Ion Ratio Lower Upper
83 100
85 66.2 42.8 79.6
131 10.7 7.8 11.8



#59
Bromoform
Concen: 24.91 ug/L
RT: 12.299 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion: 173 Resp: 54063
Ion Ratio Lower Upper
173 100
175 49.0 38.2 57.4
254 10.3 9.0 13.4





#60

Isopropylbenzene

Concen: 28.11 ug/L

RT: 12.423 min Scan# 1811

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

VSTD025511

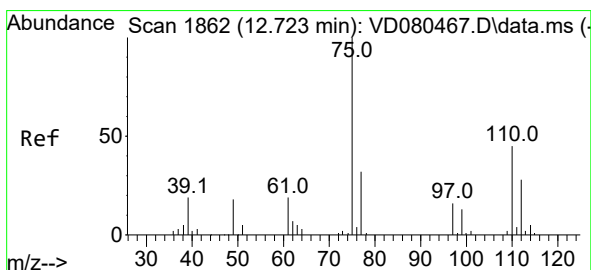
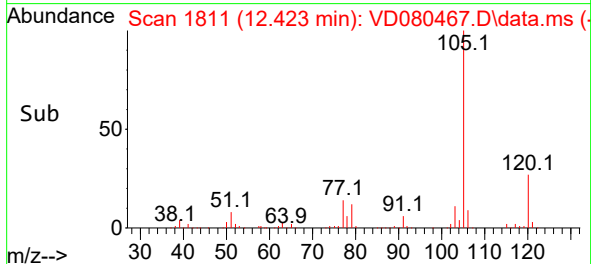
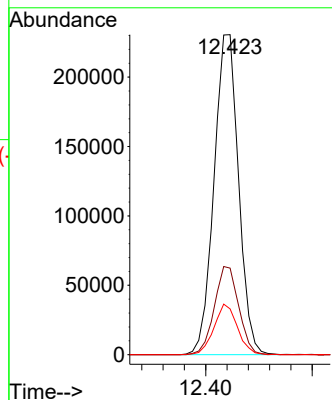
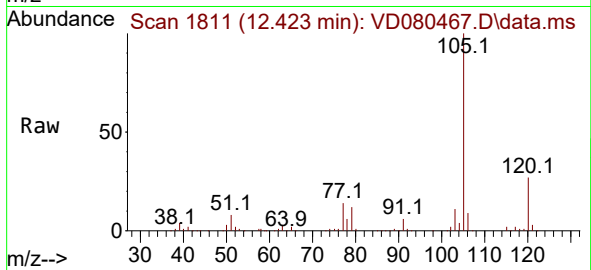
Tgt Ion:105 Resp: 368140

Ion Ratio Lower Upper

105 100

120 27.3 22.1 33.1

77 15.1 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 24.43 ug/L

RT: 12.723 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

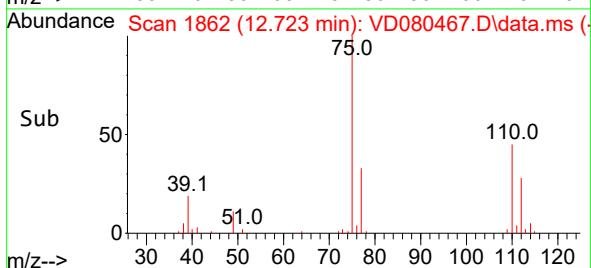
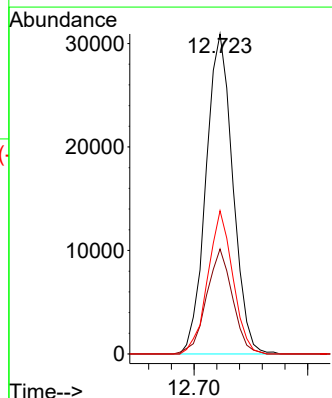
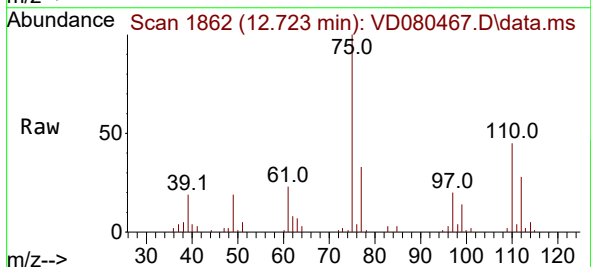
Tgt Ion: 75 Resp: 50699

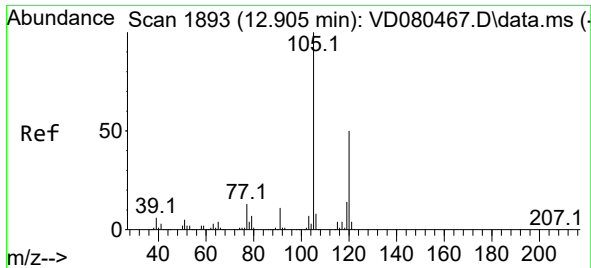
Ion Ratio Lower Upper

75 100

77 31.7 26.8 40.2

110 41.8 33.0 49.4

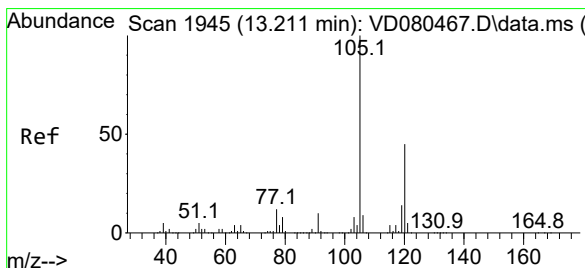
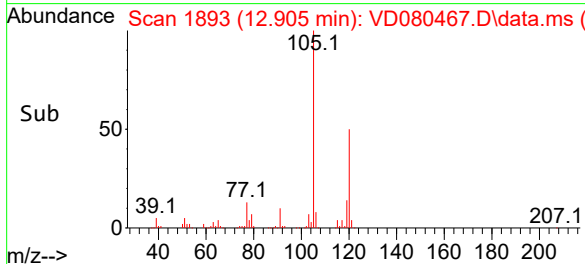
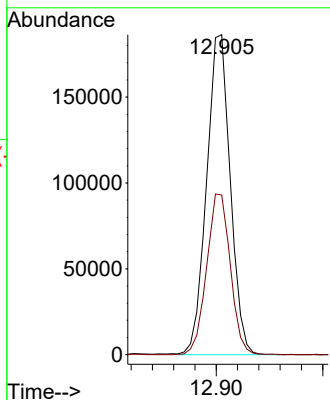
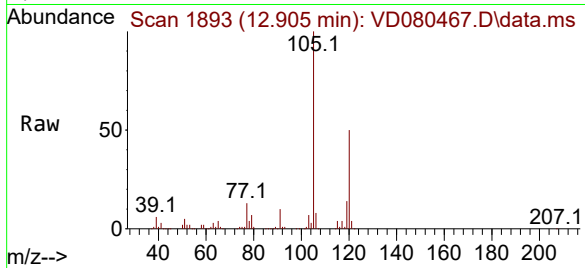




#62
 1,3,5-Trimethylbenzene
 Concen: 28.45 ug/L
 RT: 12.905 min Scan# 1893
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

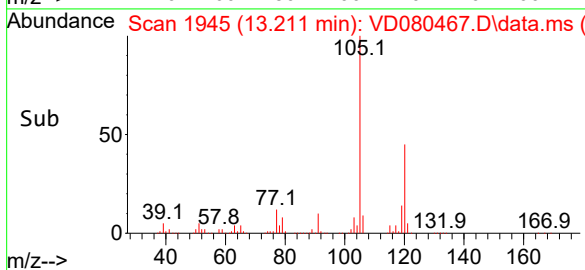
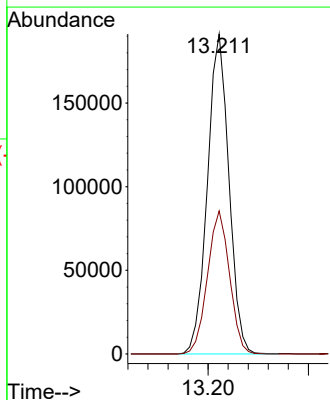
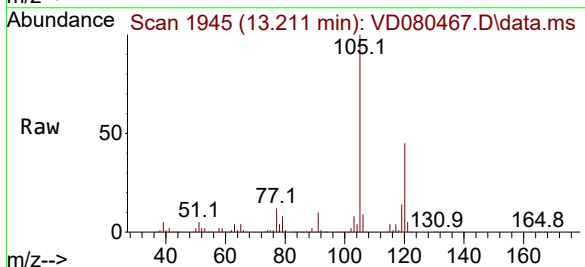
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

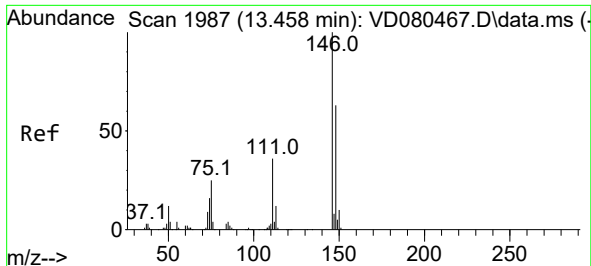
Tgt Ion:105 Resp: 287471
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 28.56 ug/L
 RT: 13.211 min Scan# 1945
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion:105 Resp: 284952
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.5 56.3

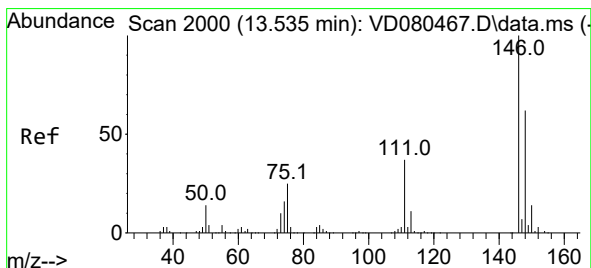
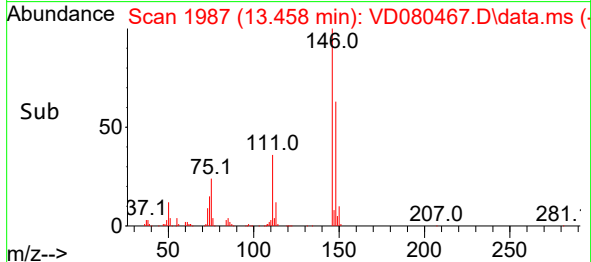
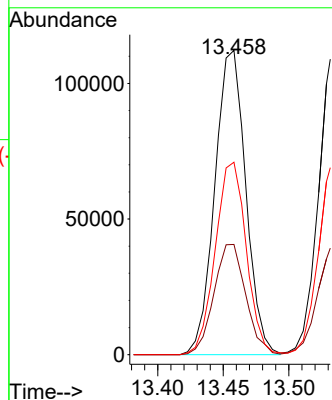
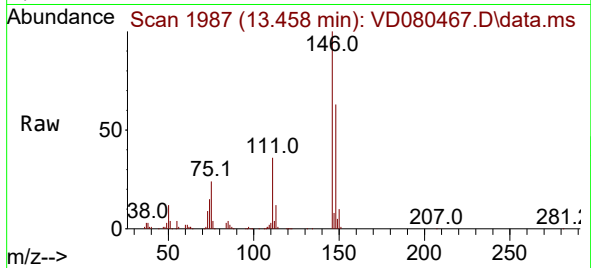




#64
1,3-Dichlorobenzene
Concen: 26.88 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

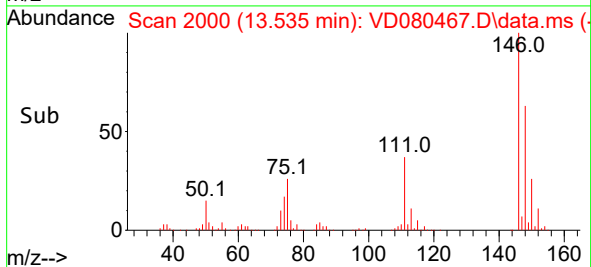
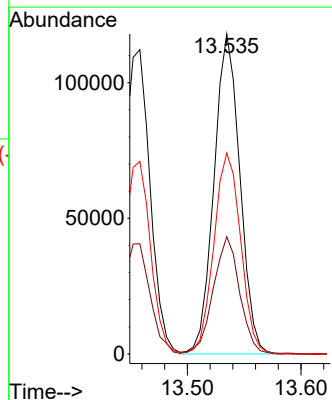
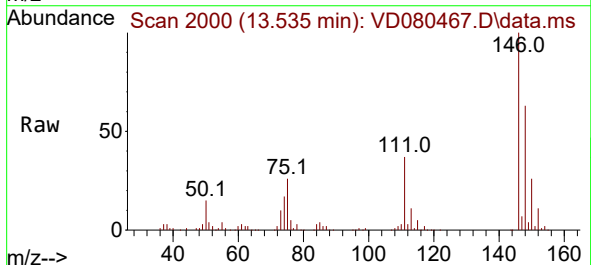
Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

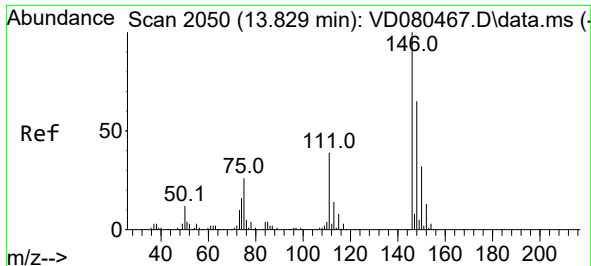
Tgt Ion:146 Resp: 184365
Ion Ratio Lower Upper
146 100
111 36.2 25.4 47.2
148 63.3 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 26.25 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080467.D
Acq: 23 Jun 2025 09:15

Tgt Ion:146 Resp: 187392
Ion Ratio Lower Upper
146 100
111 36.7 24.5 45.5
148 62.8 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 26.39 ug/L

RT: 13.829 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

Instrument :

MSVOA_D

ClientSampleId :

VSTD025511

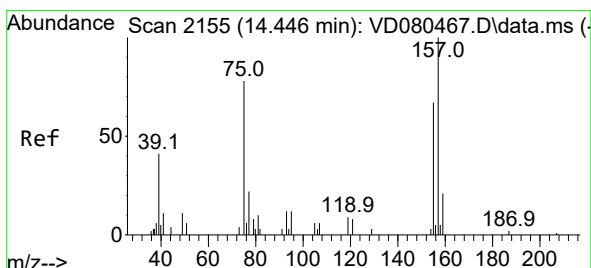
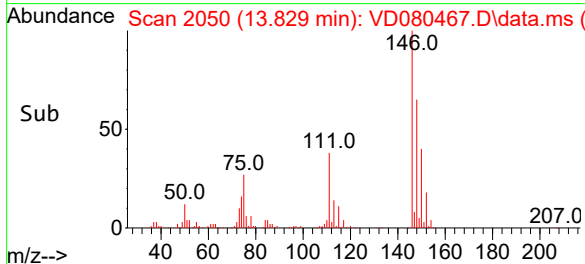
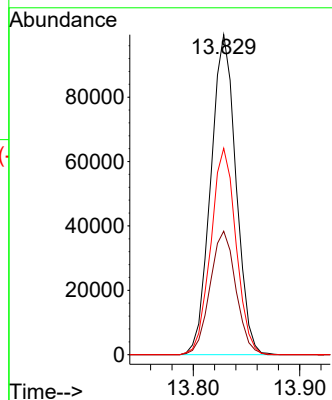
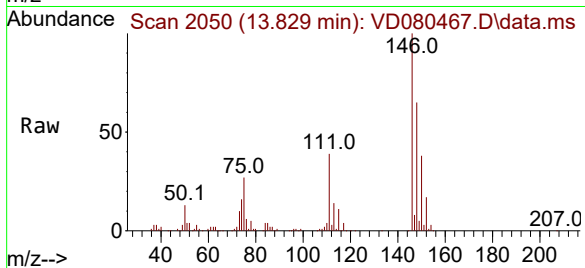
Tgt Ion:146 Resp: 163452

Ion Ratio Lower Upper

146 100

111 38.6 32.0 48.0

148 64.5 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 22.70 ug/L

RT: 14.446 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VD080467.D

Acq: 23 Jun 2025 09:15

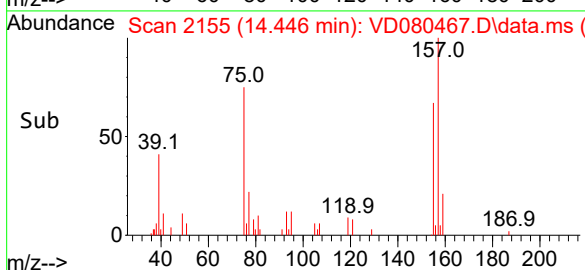
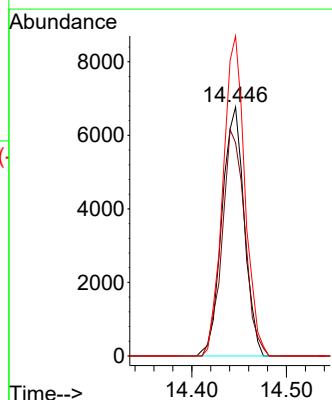
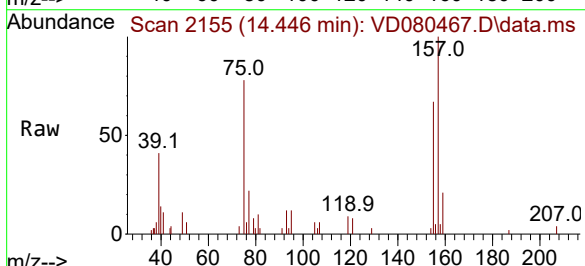
Tgt Ion: 75 Resp: 11039

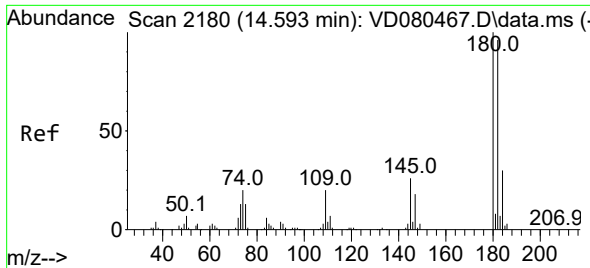
Ion Ratio Lower Upper

75 100

155 85.7 86.2 129.2#

157 128.6 94.0 141.0

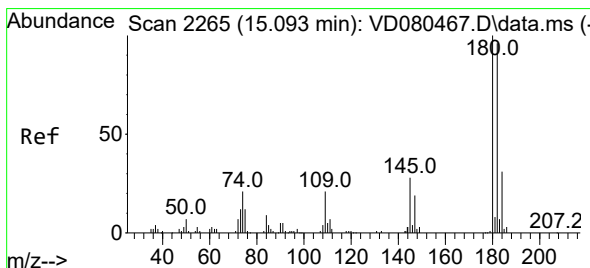
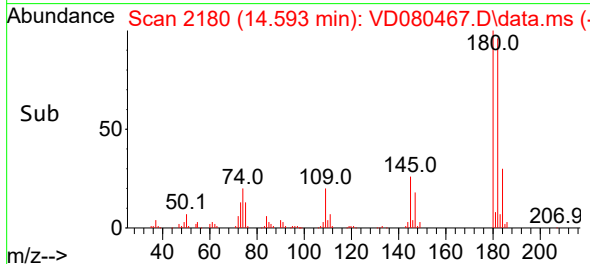
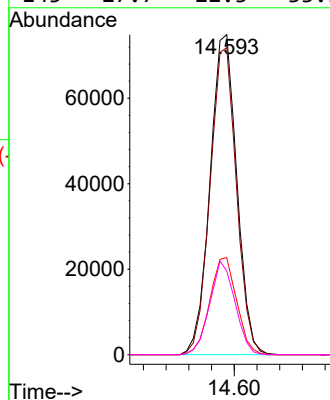
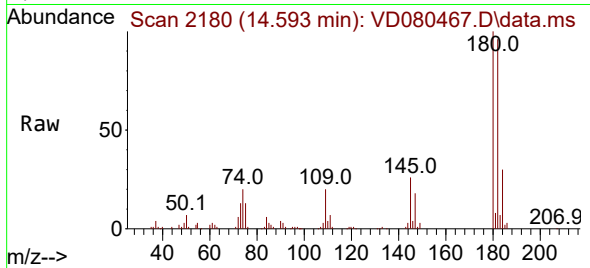




#69
 1,3,5-Trichlorobenzene
 Concen: 25.80 ug/L
 RT: 14.593 min Scan# 2180
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

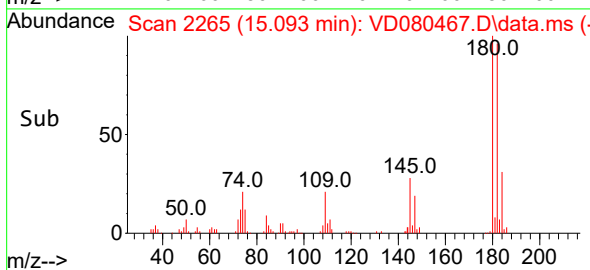
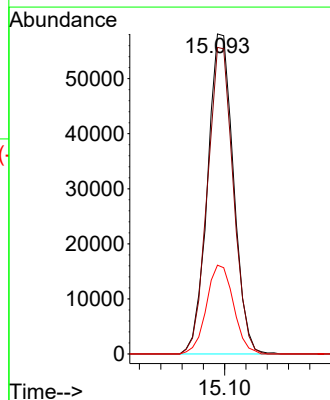
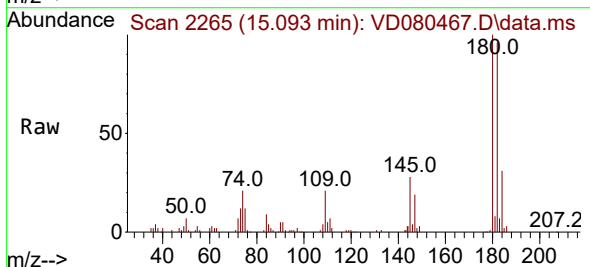
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

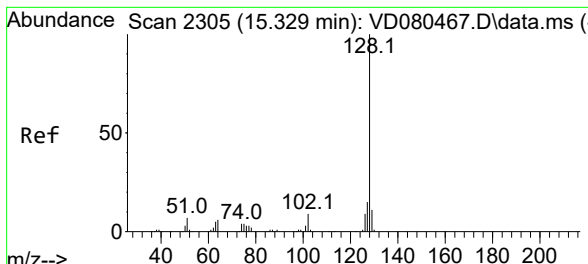
Tgt Ion:	180	Resp:	122291
Ion Ratio	Lower	Upper	
180	100		
182	94.6	77.0	115.4
184	30.6	24.9	37.3
145	27.7	22.3	33.5



#70
 1,2,4-trichlorobenzene
 Concen: 25.35 ug/L
 RT: 15.093 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion:	180	Resp:	98317
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.0	114.0
145	28.8	22.2	33.4

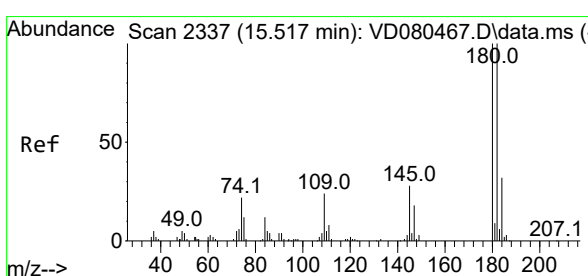
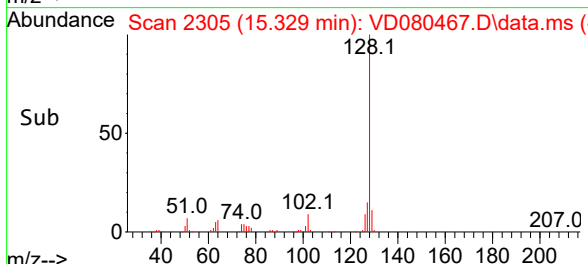
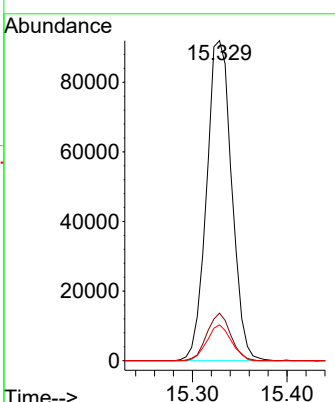
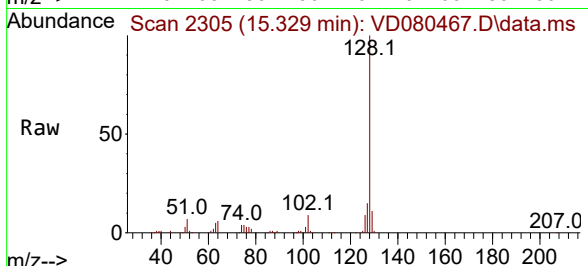




#71
 Naphthalene
 Concen: 24.00 ug/L
 RT: 15.329 min Scan# 2305
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025511

Tgt Ion:	128	Resp:	169196
Ion Ratio	Lower	Upper	
128	100		
127	14.0	11.0	16.6
129	10.9	9.0	13.4



#72
 1,2,3-Trichlorobenzene
 Concen: 25.85 ug/L
 RT: 15.517 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: VD080467.D
 Acq: 23 Jun 2025 09:15

Tgt Ion:	180	Resp:	94006
Ion Ratio	Lower	Upper	
180	100		
182	93.9	74.7	112.1
145	28.8	24.2	36.4

