

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063289.D
 Acq On : 17 Mar 2025 10:56
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010028

Quant Time: Mar 21 08:36:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	265177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	260057	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	116286	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22827	11.33	ug/L	0.00
7) Chloroethane-d5	1.898	69	19974	17.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	40179	11.41	ug/L	0.00
21) 2-Butanone-d5	4.624	46	27486	20.97	ug/L	0.02
24) Chloroform-d	5.052	84	43137	11.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	27155	12.79	ug/L	0.00
32) Benzene-d6	5.717	84	82234	10.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	26850	10.83	ug/L	0.00
41) Toluene-d8	7.891	98	69334	9.85	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	10695	9.25	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	17243	16.34	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	40017	10.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	23751	10.66	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	22754	11.02	ug/L	99
3) Chloromethane	1.518	50	26661	12.24	ug/L	99
5) Vinyl chloride	1.599	62	26090	10.55	ug/L	99
6) Bromomethane	1.840	94	14742	17.39	ug/L	100
8) Chloroethane	1.920	64	16393	16.41	ug/L	92
9) Trichlorofluoromethane	2.126	101	29485	10.89	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	18340	9.82	ug/L	100
12) 1,1-Dichloroethene	2.570	96	17182	9.36	ug/L	96
13) Acetone	2.618	43	22559	26.40	ug/L	98
14) Carbon disulfide	2.782	76	56385	9.94	ug/L	99
15) Methyl Acetate	2.939	43	24092	11.97	ug/L #	100
16) Methylene chloride	3.033	84	22058	10.37	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	18734	9.97	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	57251	9.84	ug/L	98
19) 1,1-Dichloroethane	3.856	63	38964	11.11	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	20483	9.62	ug/L	98
22) 2-Butanone	4.701	43	31879	23.66	ug/L	90
23) Bromochloromethane	4.962	128	10952	10.10	ug/L	97
25) Chloroform	5.074	83	38725	10.88	ug/L	97
27) 1,2-Dichloroethane	5.785	62	29406	11.12	ug/L #	94
29) Cyclohexane	5.373	56	28320	8.68	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	30877	9.92	ug/L	98
31) Carbon tetrachloride	5.512	117	25540	9.57	ug/L	99
33) Benzene	5.762	78	82576	10.03	ug/L	100
34) Trichloroethene	6.534	95	20840	9.39	ug/L	96
35) Methylcyclohexane	6.753	83	26357	7.84	ug/L	96
37) 1,2-Dichloropropane	6.782	63	23189	10.16	ug/L #	97
38) Bromodichloromethane	7.097	83	28594	10.50	ug/L #	98
39) cis-1,3-Dichloropropene	7.598	75	32467	9.55	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	56194	20.09	ug/L	97
42) Toluene	7.962	91	81773	9.24	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	29493	9.35	ug/L	99

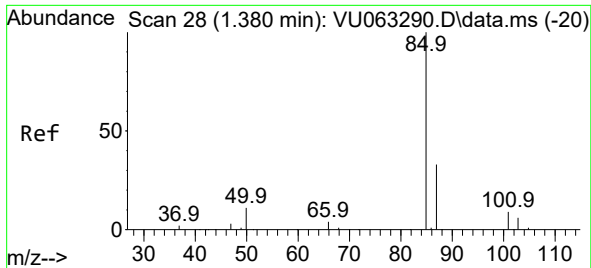
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	22481	10.22	ug/L	98
46) Tetrachloroethene	8.544	164	14711	9.32	ug/L	94
48) 2-Hexanone	8.676	43	40996	19.04	ug/L	96
49) Dibromochloromethane	8.801	129	21751	9.83	ug/L	99
50) 1,2-Dibromoethane	8.913	107	23223	9.87	ug/L	99
51) Chlorobenzene	9.438	112	54223	9.84	ug/L	98
52) Ethylbenzene	9.563	91	82851	8.69	ug/L	99
53) m,p-Xylene	9.685	106	29556	8.33	ug/L	98
54) o-Xylene	10.090	106	29422	8.26	ug/L	90
55) Styrene	10.106	104	45182	7.45	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	37858	9.83	ug/L	97
59) Bromoform	10.283	173	16697	10.76	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	29285	11.73	ug/L	99
61) Isopropylbenzene	10.476	105	74407	9.39	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	55690	8.63	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	50395	7.90	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	36851	9.73	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	37357	9.51	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	37819	10.10	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.990	75	7490	11.09	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	23812	9.32	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	17720	8.11	ug/L	97
71) Naphthalene	14.084	128	40591	6.14	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	16547	7.82	ug/L	97

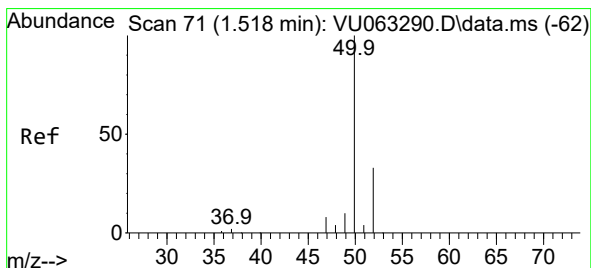
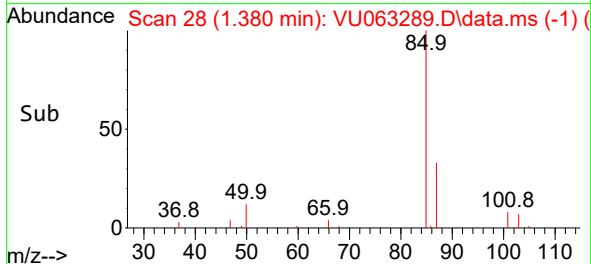
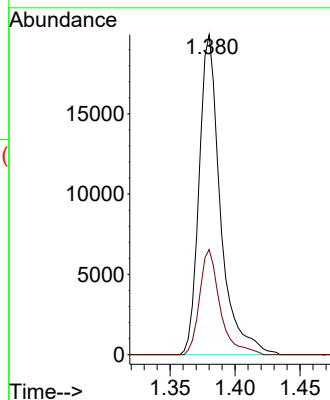
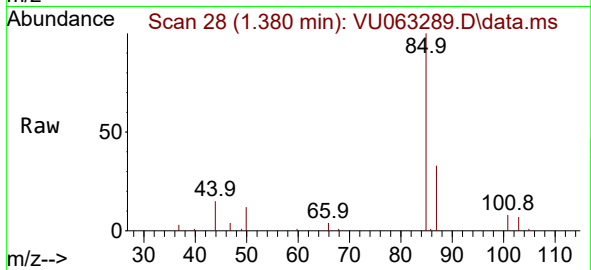
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 11.02 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

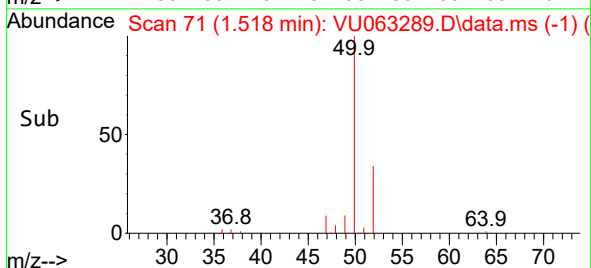
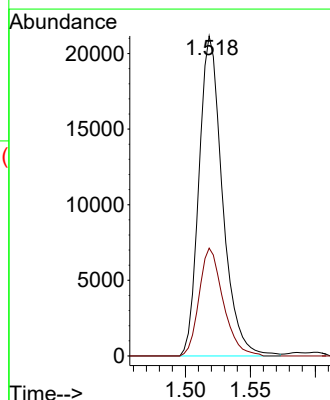
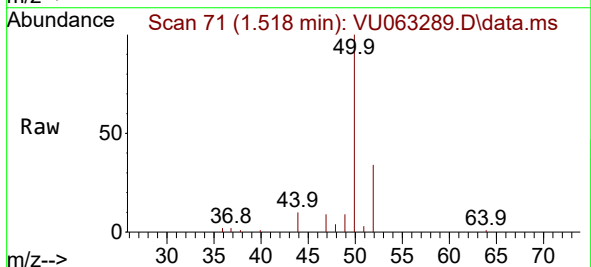
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

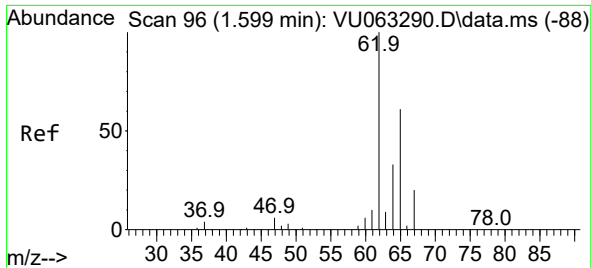
Tgt Ion: 85 Resp: 22754
Ion Ratio Lower Upper
85 100
87 31.7 25.8 38.6



#3
Chloromethane
Concen: 12.24 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 50 Resp: 26661
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.0

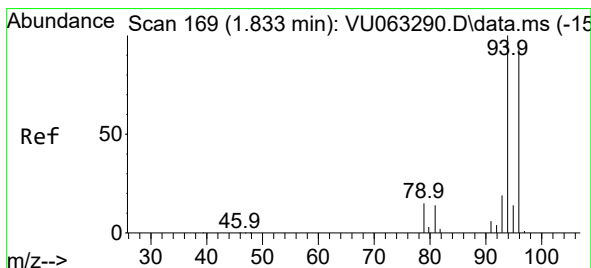
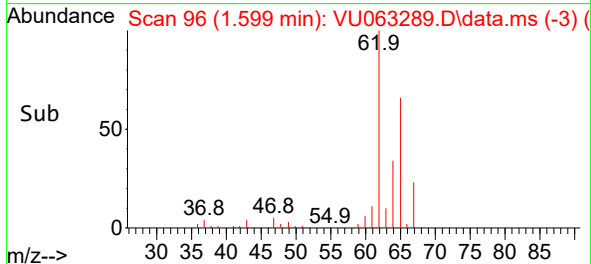
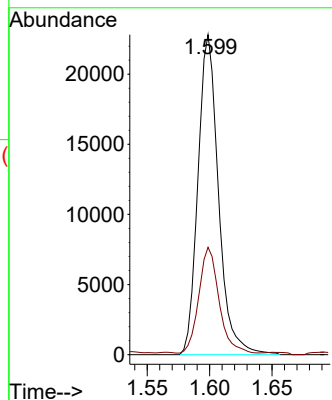
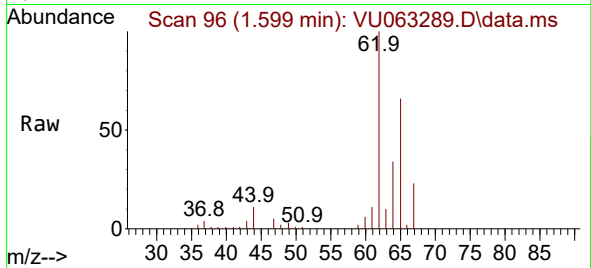




#5
 Vinyl chloride
 Concen: 10.55 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU063289.D
 Acq: 17 Mar 2025 10:56

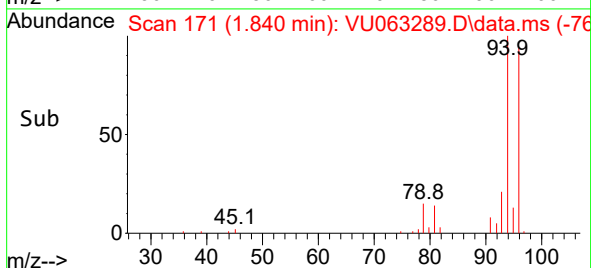
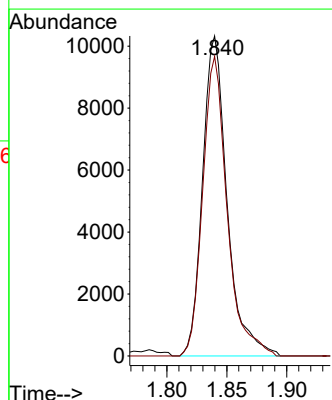
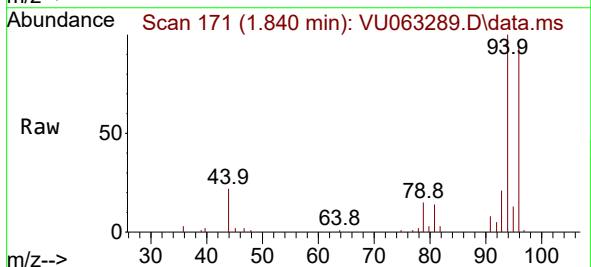
Instrument :
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 ClientSampleId :
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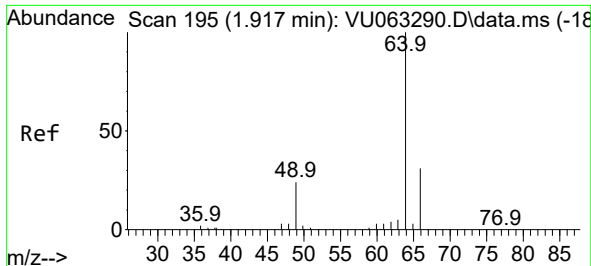
Tgt Ion: 62 Resp: 26090
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.2



#6
 Bromomethane
 Concen: 17.39 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VU063289.D
 Acq: 17 Mar 2025 10:56

Tgt Ion: 94 Resp: 14742
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.2 121.2

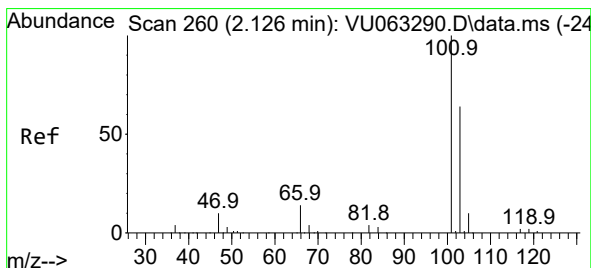
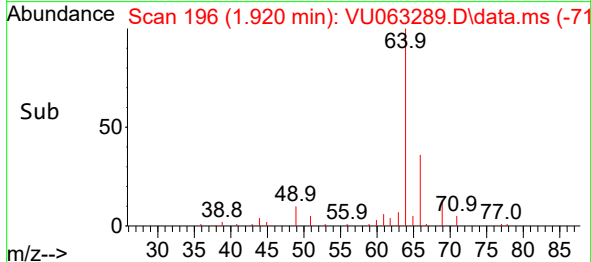
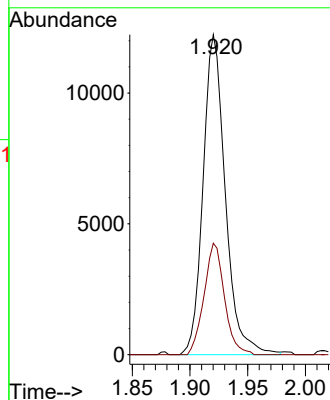
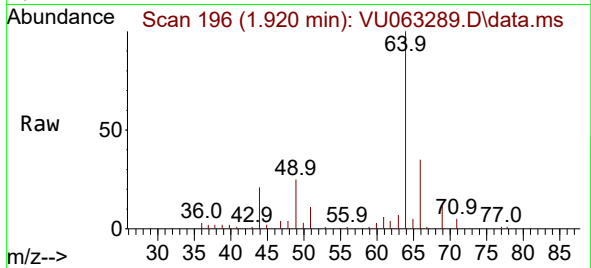




#8
Chloroethane
Concen: 16.41 ug/L
RT: 1.920 min Scan# 195
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

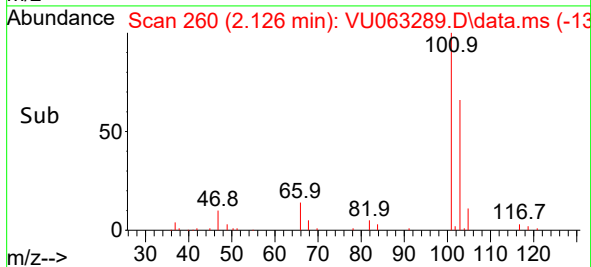
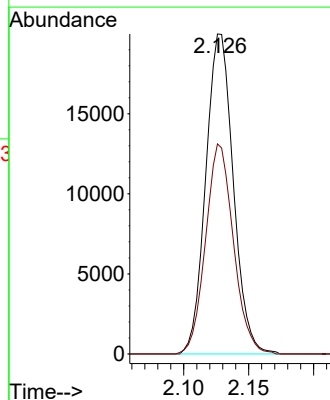
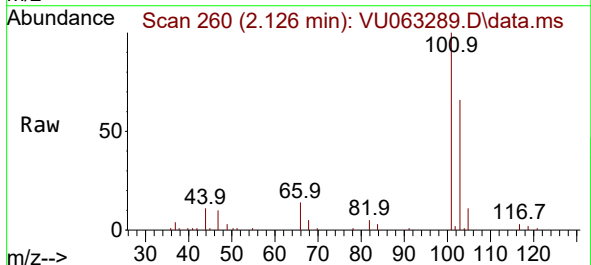
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

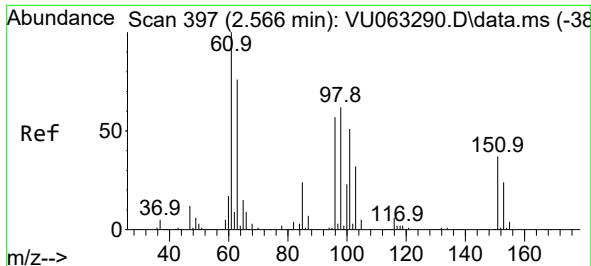
Tgt Ion: 64 Resp: 16393
Ion Ratio Lower Upper
64 100
66 36.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 10.89 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:101 Resp: 29485
Ion Ratio Lower Upper
101 100
103 66.3 51.2 76.8

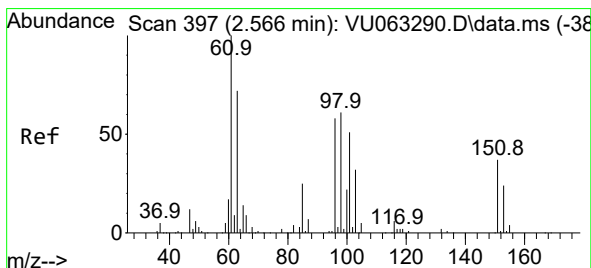
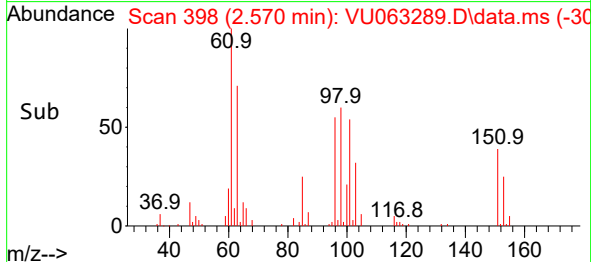
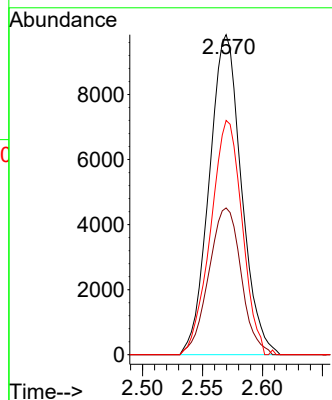
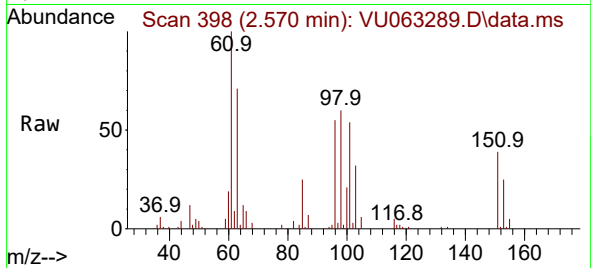




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.82 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

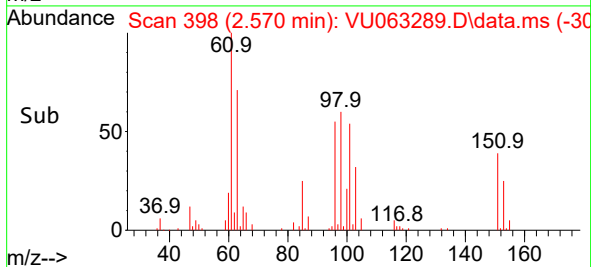
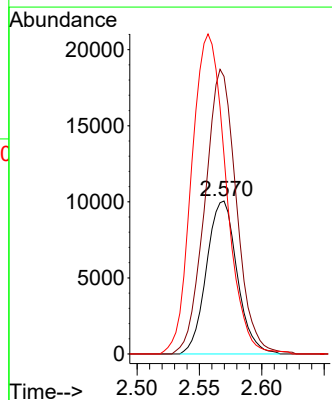
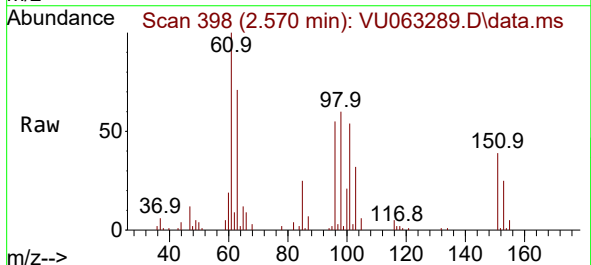
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

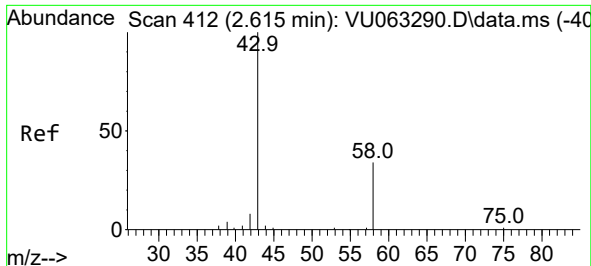
Tgt Ion:101 Resp: 18340
Ion Ratio Lower Upper
101 100
85 46.3 36.5 54.7
151 71.6 57.4 86.0



#12
1,1-Dichloroethene
Concen: 9.36 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 96 Resp: 17182
Ion Ratio Lower Upper
96 100
61 181.5 121.9 226.5
63 129.7 93.2 173.0





#13

Acetone

Concen: 26.40 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

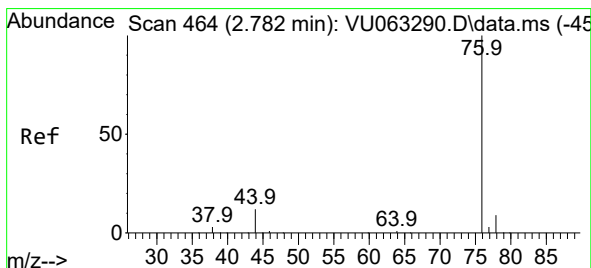
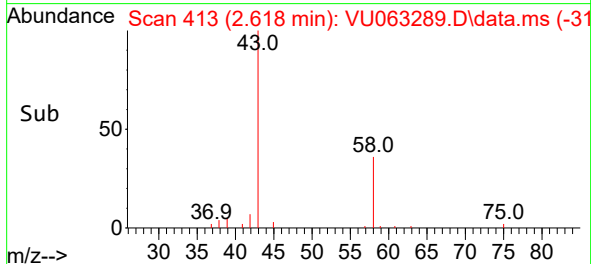
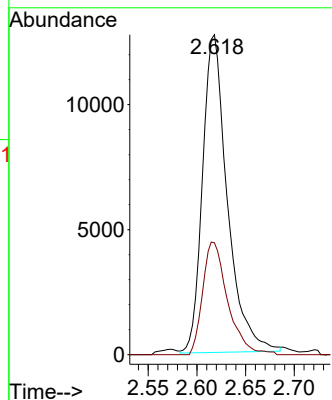
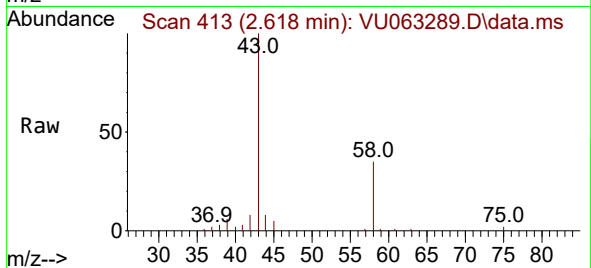
VSTD010028

Tgt Ion: 43 Resp: 22559

Ion Ratio Lower Upper

43 100

58 35.5 0.0 68.4



#14

Carbon disulfide

Concen: 9.94 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.000 min

Lab File: VU063289.D

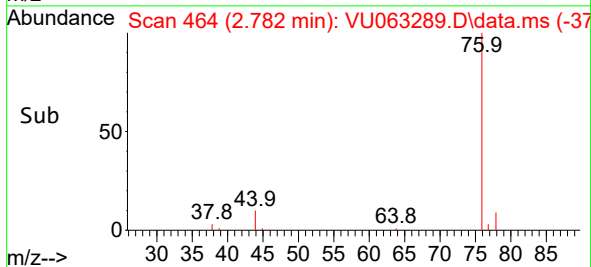
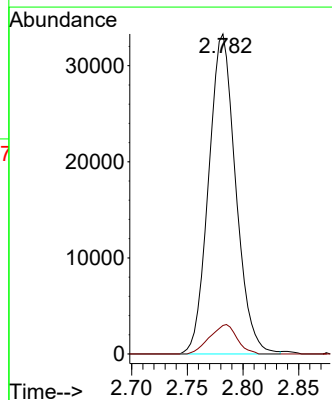
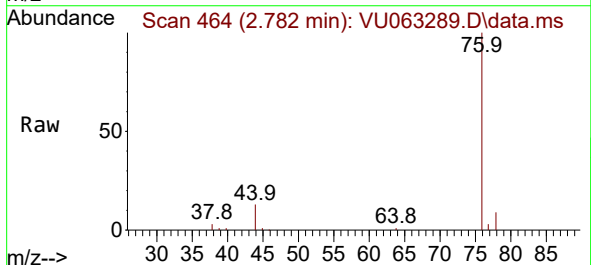
Acq: 17 Mar 2025 10:56

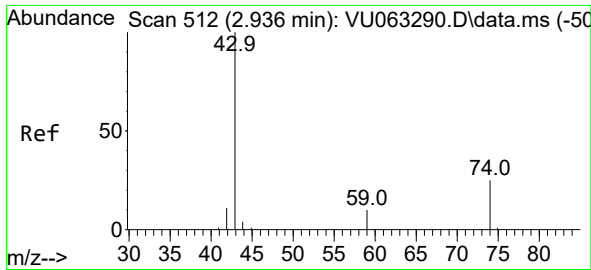
Tgt Ion: 76 Resp: 56385

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





#15

Methyl Acetate

Concen: 11.97 ug/L

RT: 2.939 min Scan# 512

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

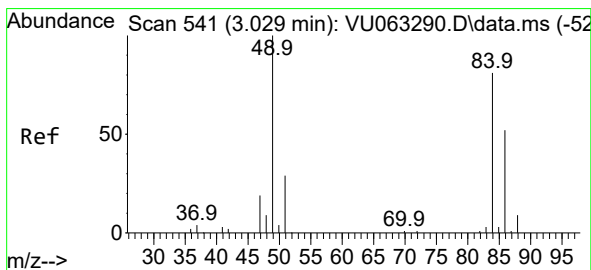
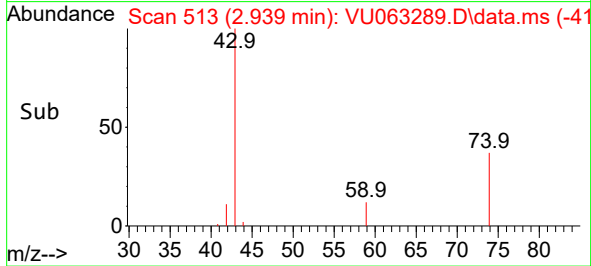
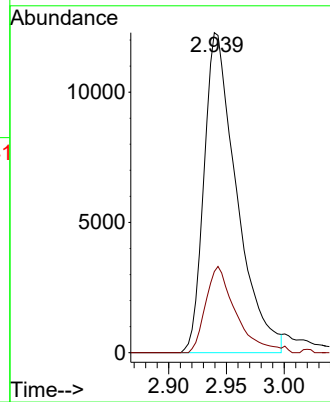
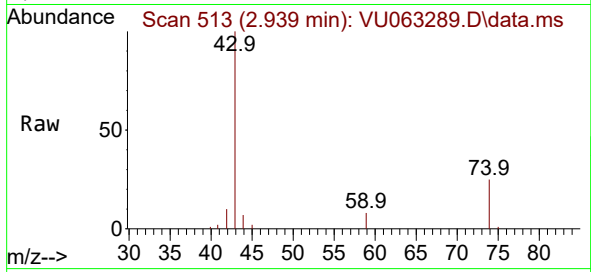
VSTD010028

Tgt Ion: 43 Resp: 24092

Ion Ratio Lower Upper

43 100

74 24.8 0.0 0.0#



#16

Methylene chloride

Concen: 10.37 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

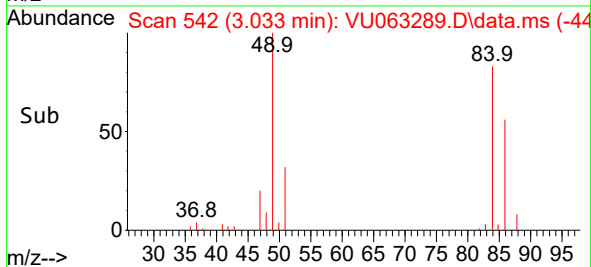
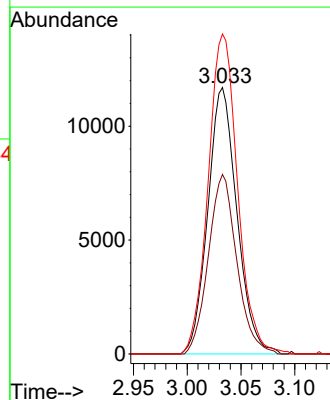
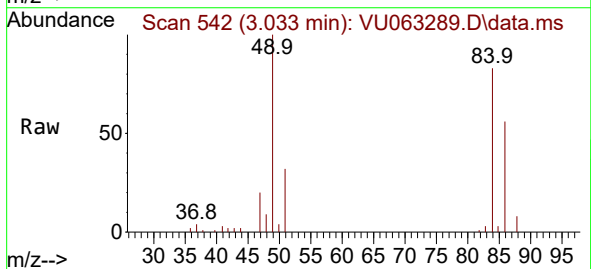
Tgt Ion: 84 Resp: 22058

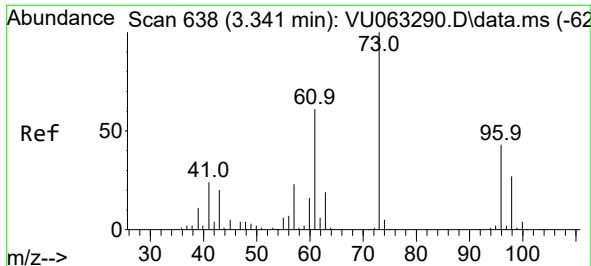
Ion Ratio Lower Upper

84 100

86 67.4 44.4 82.5

49 120.1 86.3 160.3

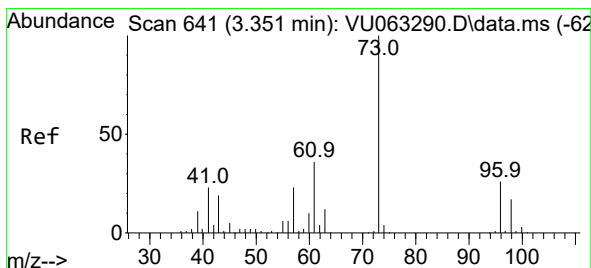
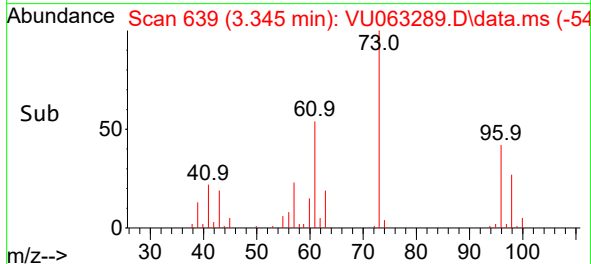
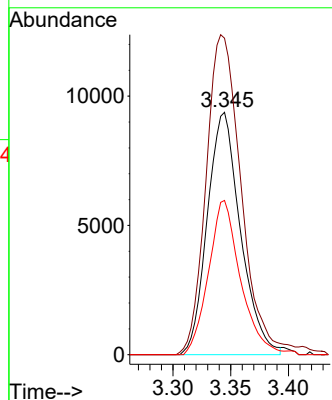
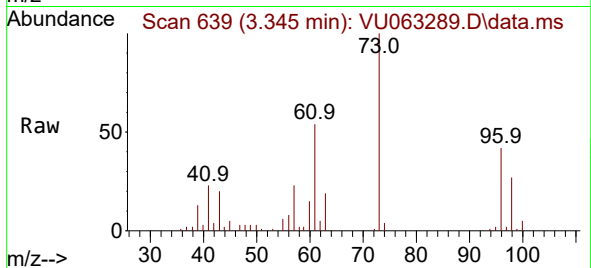




#17
trans-1,2-Dichloroethene
Concen: 9.97 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

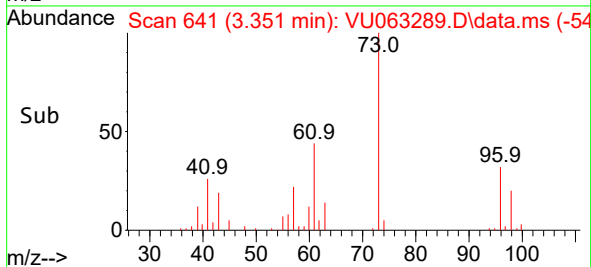
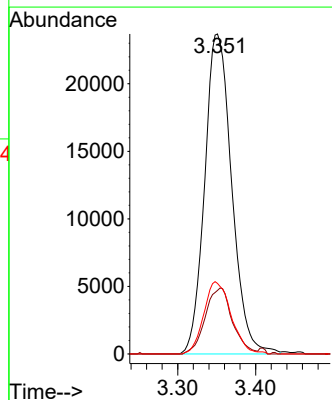
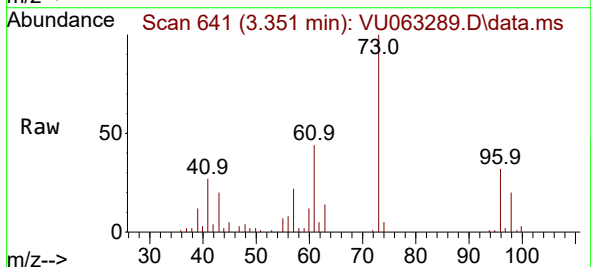
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

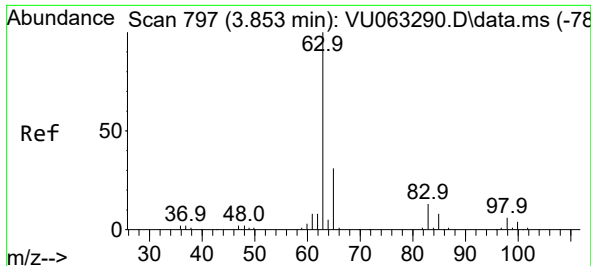
Tgt Ion: 96 Resp: 18734
Ion Ratio Lower Upper
96 100
61 130.6 100.1 185.9
98 63.6 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 9.84 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 73 Resp: 57251
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.2
57 22.7 18.3 27.5





#19

1,1-Dichloroethane

Concen: 11.11 ug/L

RT: 3.856 min Scan# 797

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

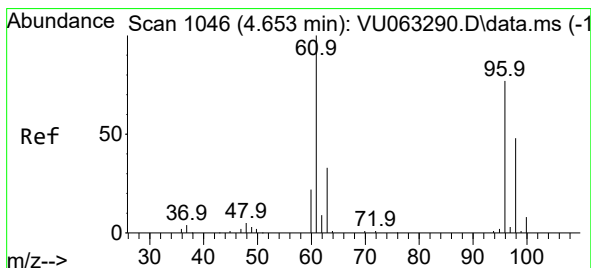
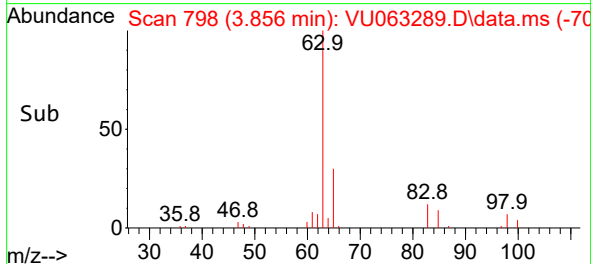
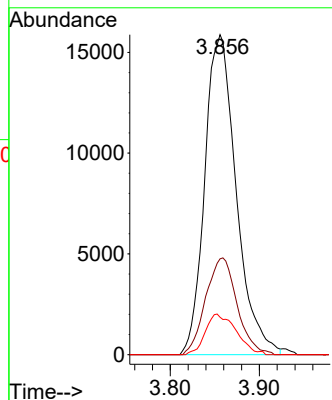
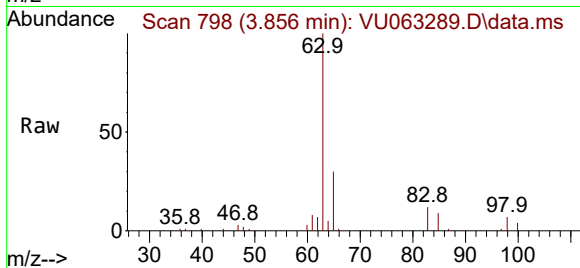
Tgt Ion: 63 Resp: 38964

Ion Ratio Lower Upper

63 100

65 29.9 21.9 40.7

83 11.7 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 9.62 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

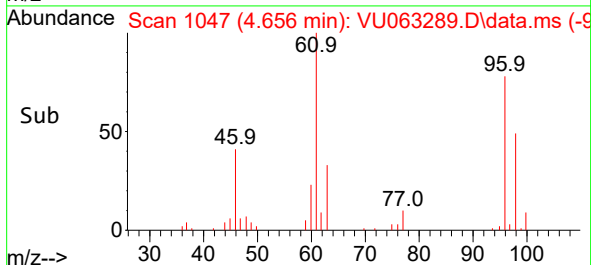
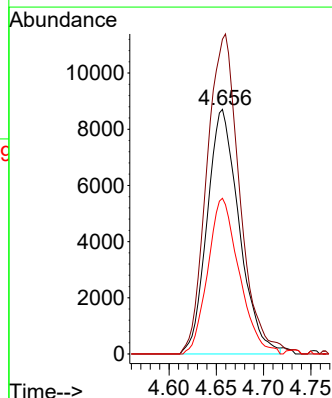
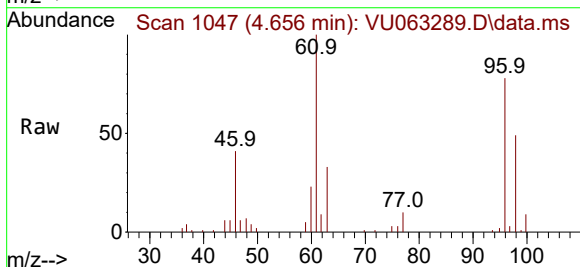
Tgt Ion: 96 Resp: 20483

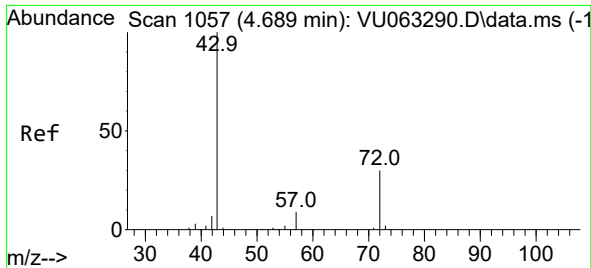
Ion Ratio Lower Upper

96 100

61 128.7 91.6 170.0

98 63.6 44.0 81.8

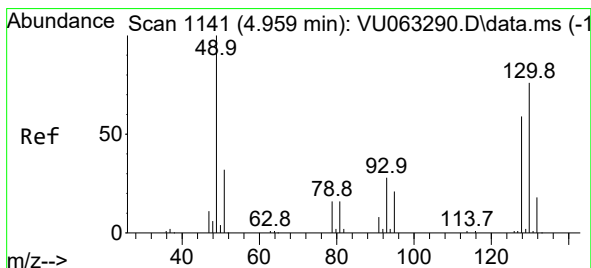
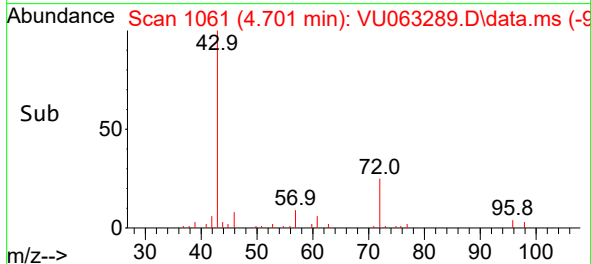
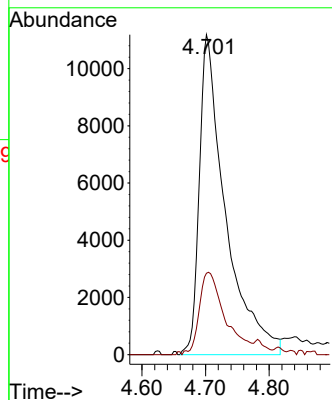
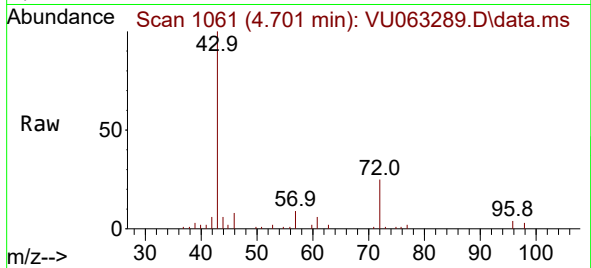




#22
2-Butanone
Concen: 23.66 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

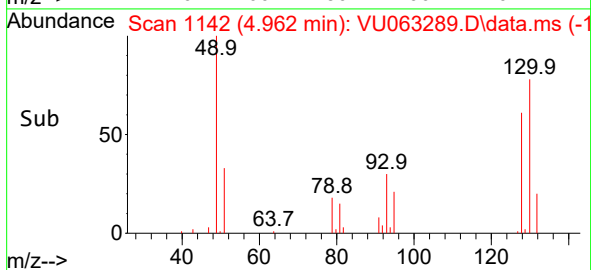
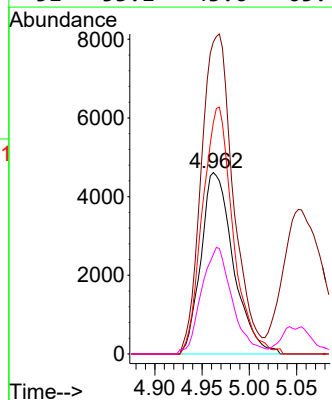
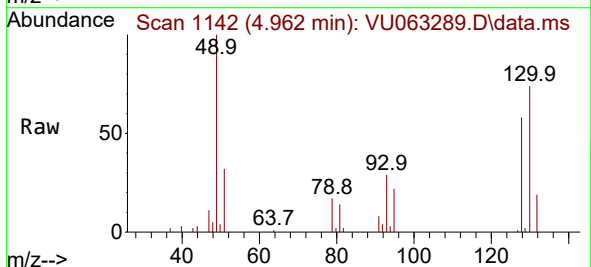
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

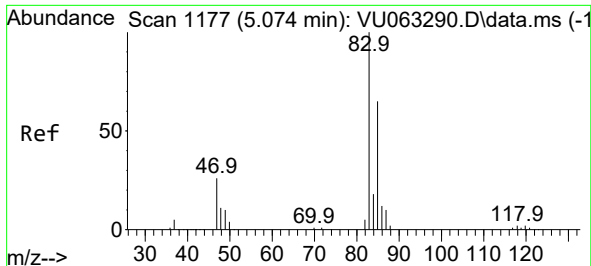
Tgt Ion: 43 Resp: 31879
Ion Ratio Lower Upper
43 100
72 25.3 15.4 46.4



#23
Bromochloromethane
Concen: 10.10 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 128 Resp: 10952
Ion Ratio Lower Upper
128 100
49 166.3 118.2 219.6
130 123.3 89.2 165.8
51 53.1 43.6 65.4





#25

Chloroform

Concen: 10.88 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

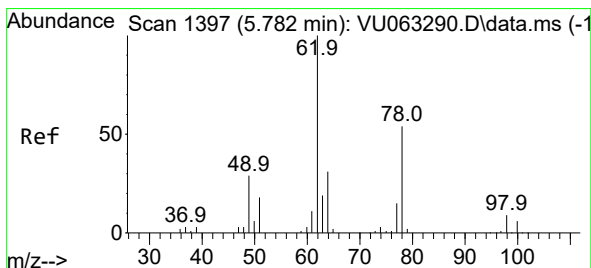
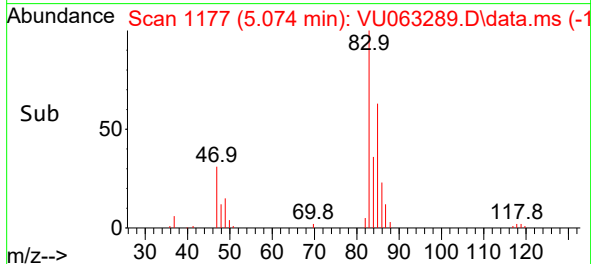
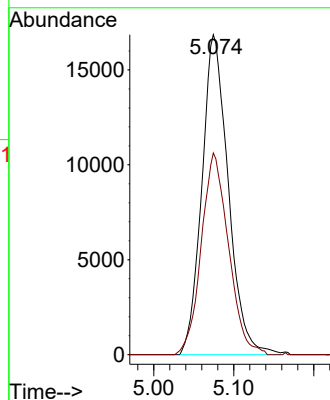
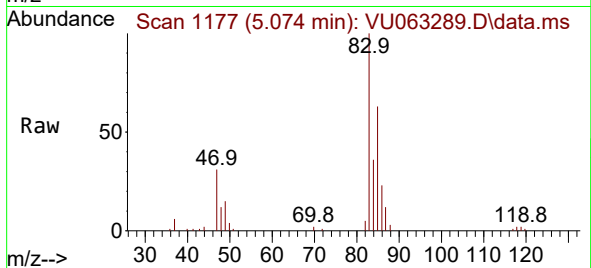
VSTD010028

Tgt Ion: 83 Resp: 38725

Ion Ratio Lower Upper

83 100

85 63.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 11.12 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU063289.D

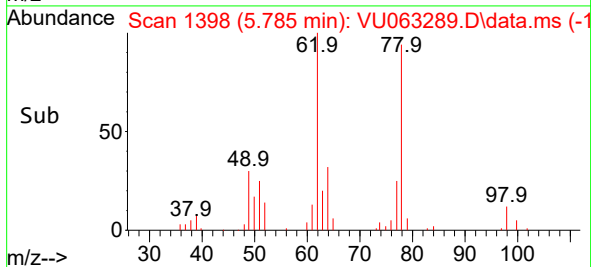
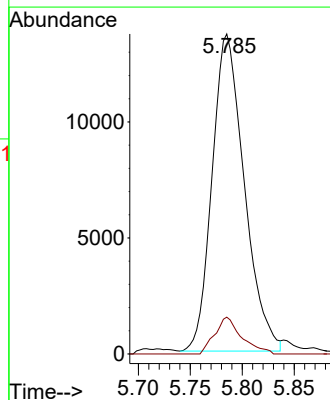
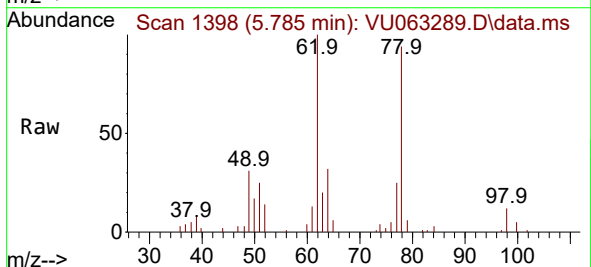
Acq: 17 Mar 2025 10:56

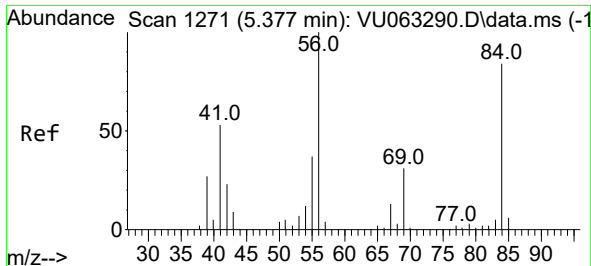
Tgt Ion: 62 Resp: 29406

Ion Ratio Lower Upper

62 100

98 11.5 7.5 11.3#





#29

Cyclohexane

Concen: 8.68 ug/L

RT: 5.373 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

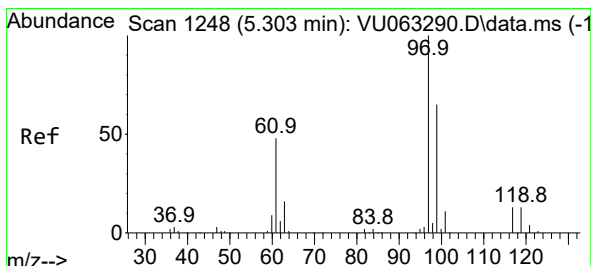
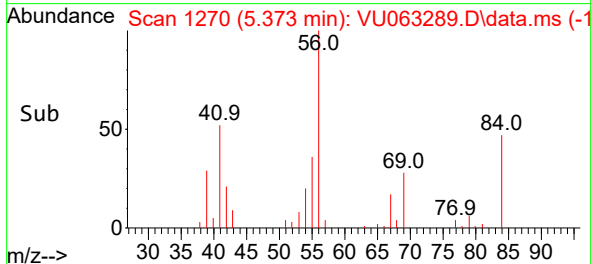
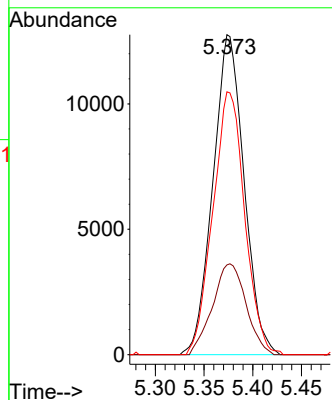
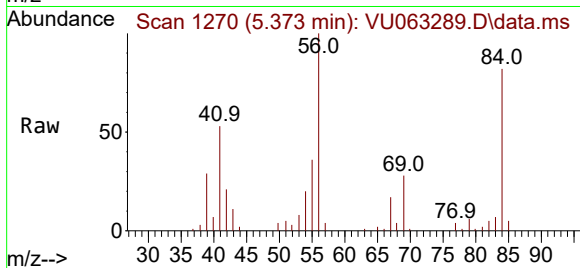
Tgt Ion: 56 Resp: 28320

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.4

84 84.0 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 9.92 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

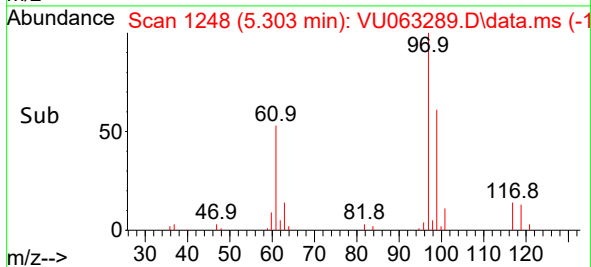
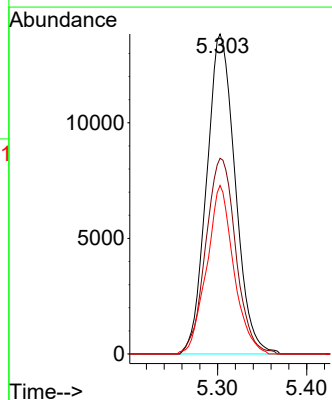
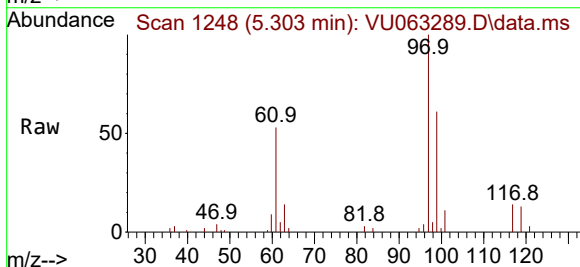
Tgt Ion: 97 Resp: 30877

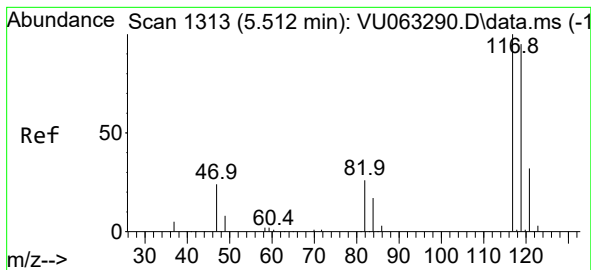
Ion Ratio Lower Upper

97 100

99 64.1 52.1 78.1

61 49.8 38.6 57.8





#31

Carbon tetrachloride

Concen: 9.57 ug/L

RT: 5.512 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

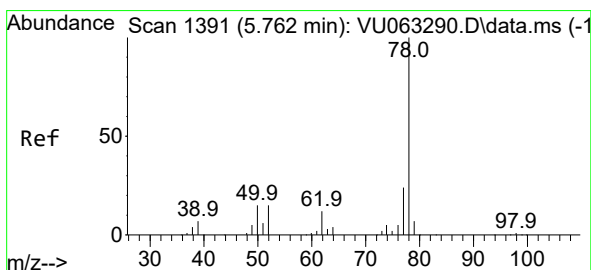
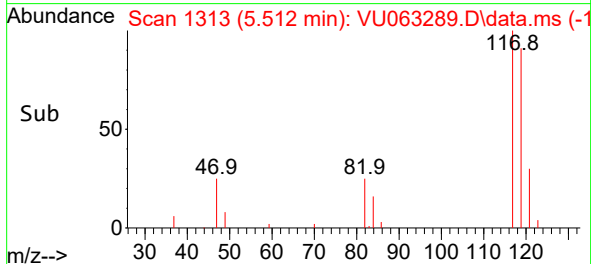
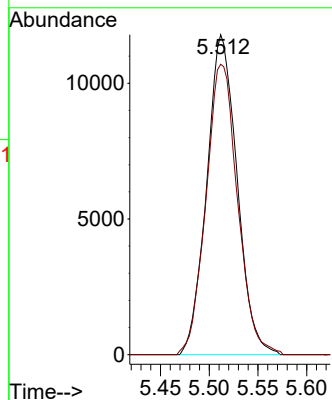
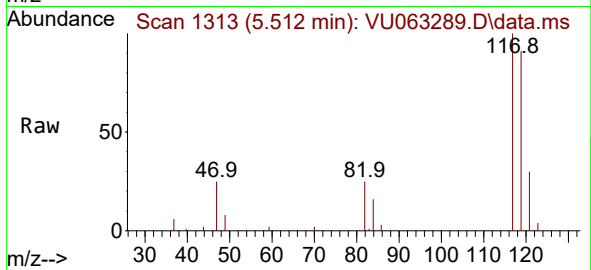
VSTD010028

Tgt Ion:117 Resp: 25540

Ion Ratio Lower Upper

117 100

119 94.3 76.3 114.5



#33

Benzene

Concen: 10.03 ug/L

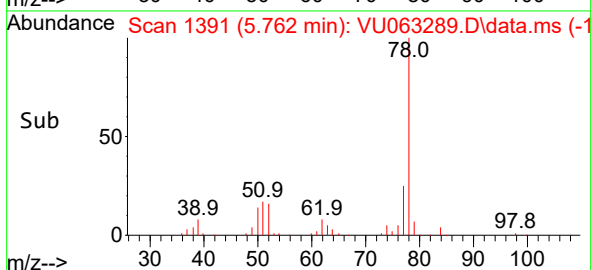
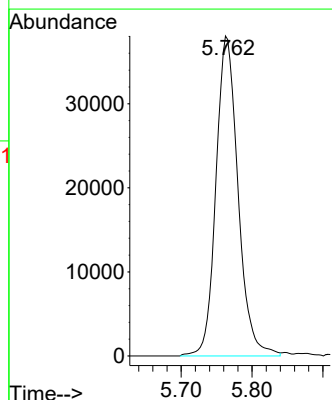
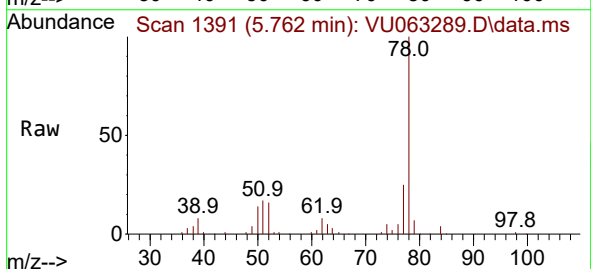
RT: 5.762 min Scan# 1391

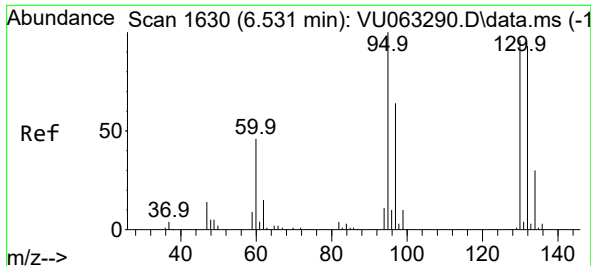
Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Tgt Ion: 78 Resp: 82576

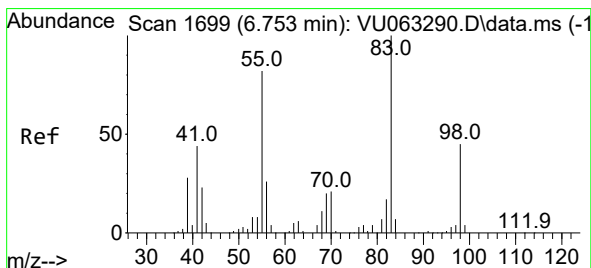
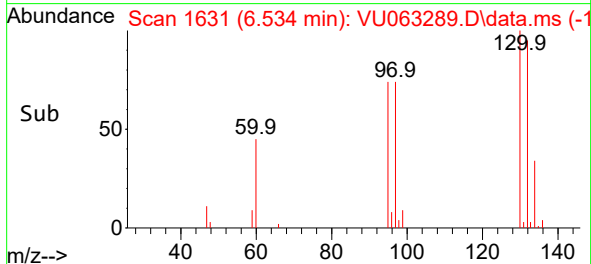
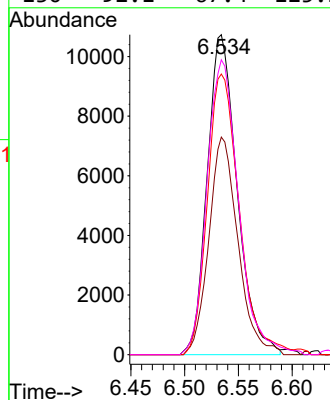
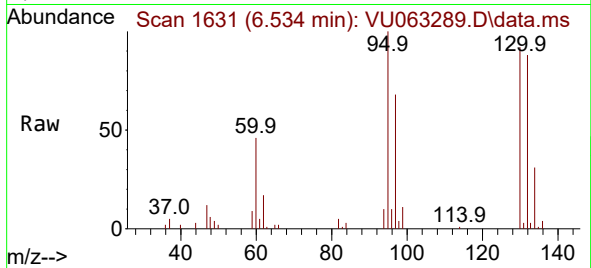




#34
Trichloroethene
Concen: 9.39 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

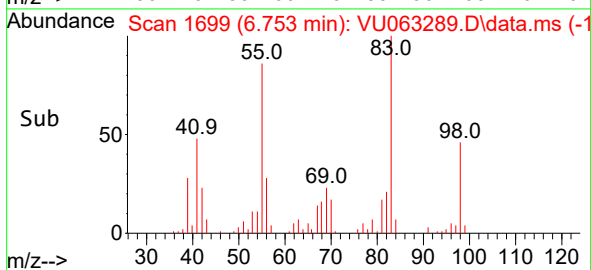
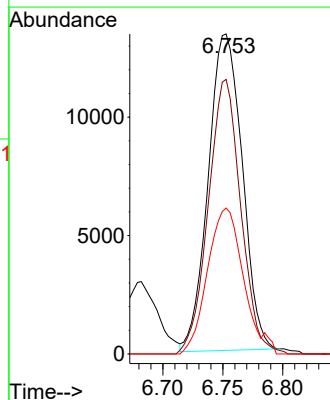
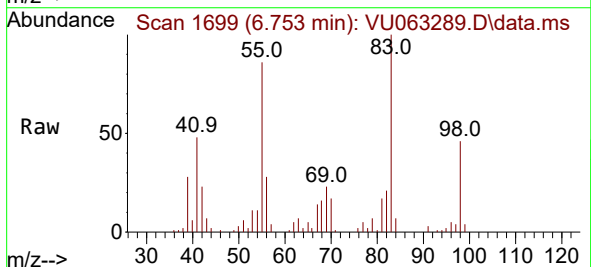
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

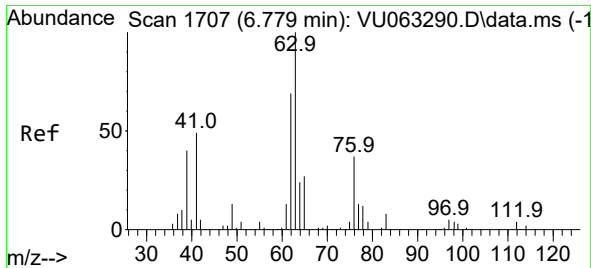
Tgt Ion:	95	Resp:	20840
Ion	Ratio	Lower	Upper
95	100		
97	68.0	44.6	82.8
132	90.4	65.3	121.3
130	92.1	67.4	125.2



#35
Methylcyclohexane
Concen: 7.84 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:	83	Resp:	26357
Ion	Ratio	Lower	Upper
83	100		
55	82.8	63.4	95.2
98	47.1	35.2	52.8

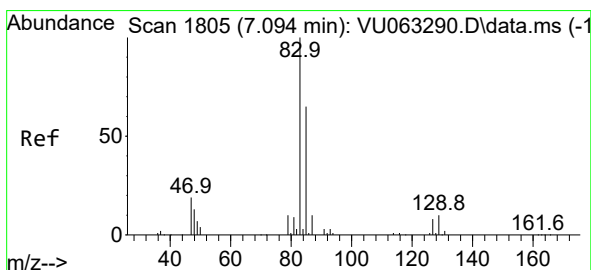
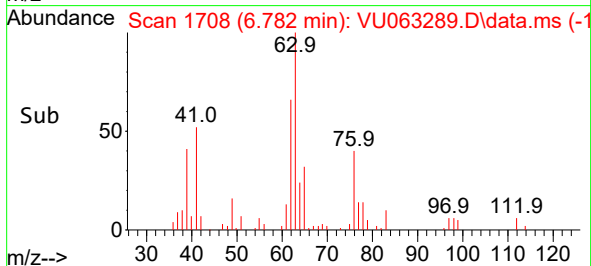
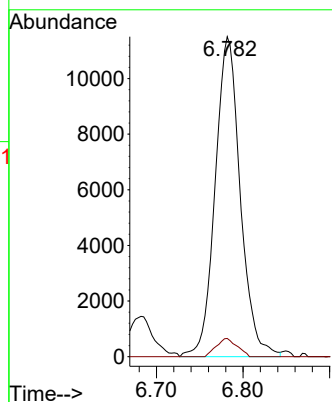
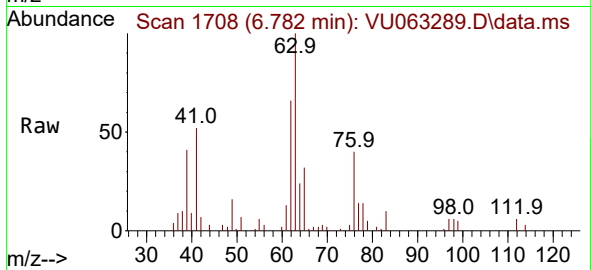




#37
1,2-Dichloropropane
Concen: 10.16 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

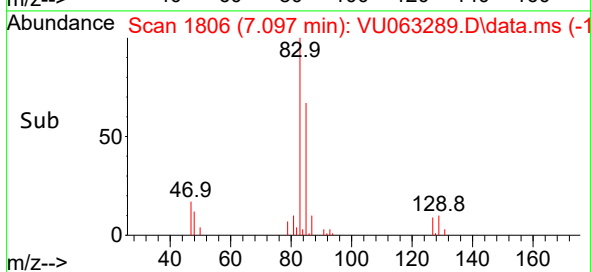
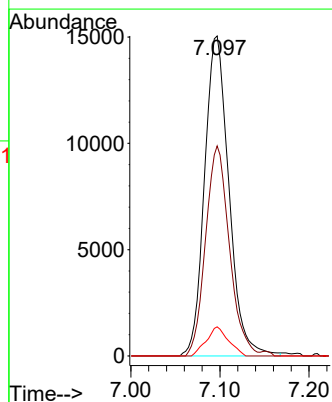
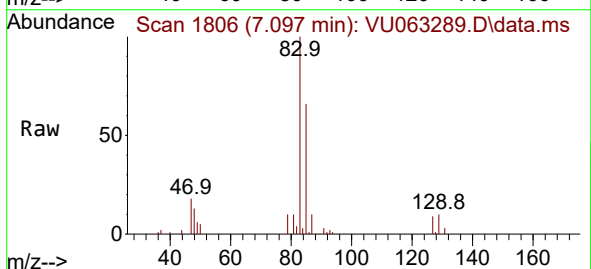
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

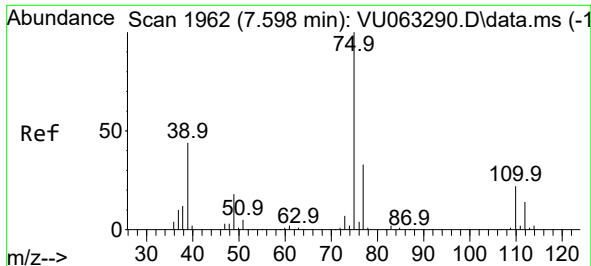
Tgt Ion: 63 Resp: 23189
Ion Ratio Lower Upper
63 100
112 4.7 2.9 4.3#



#38
Bromodichloromethane
Concen: 10.50 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 83 Resp: 28594
Ion Ratio Lower Upper
83 100
85 65.6 45.3 84.1
127 10.1 6.0 9.0#





#39

cis-1,3-Dichloropropene

Concen: 9.55 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

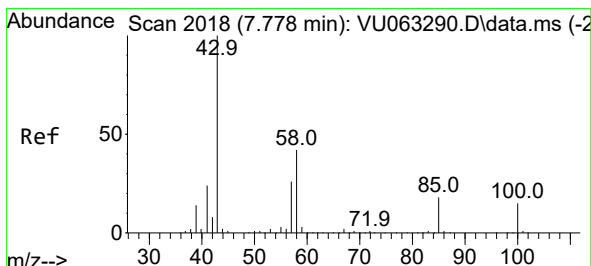
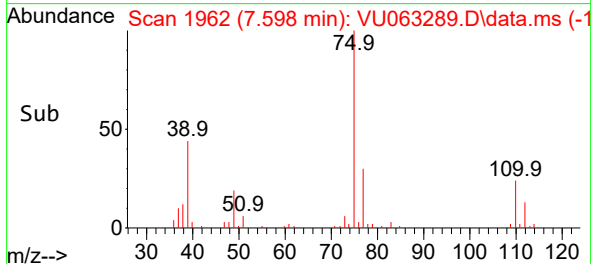
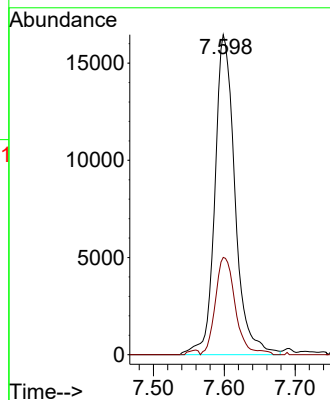
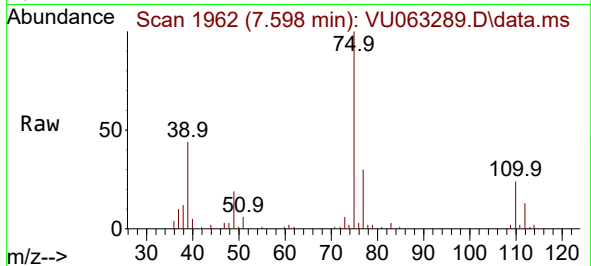
VSTD010028

Tgt Ion: 75 Resp: 32467

Ion Ratio Lower Upper

75 100

77 30.4 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 20.09 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

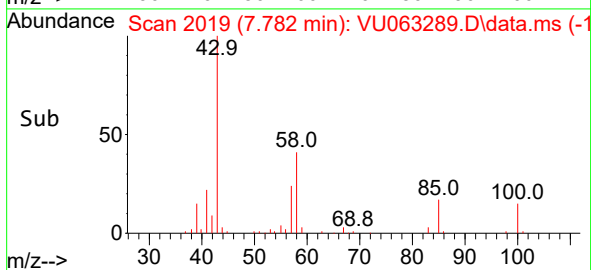
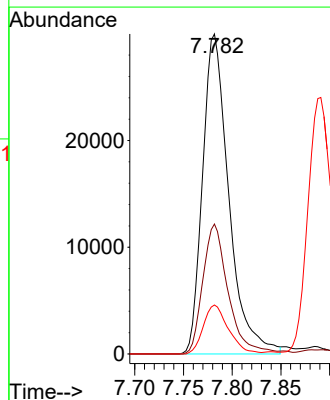
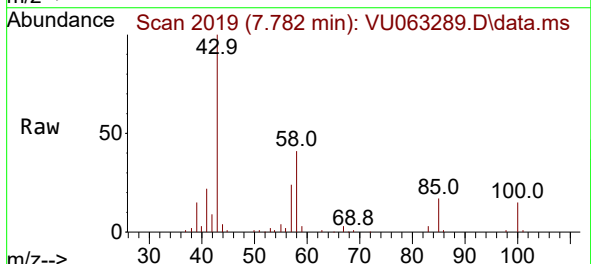
Tgt Ion: 43 Resp: 56194

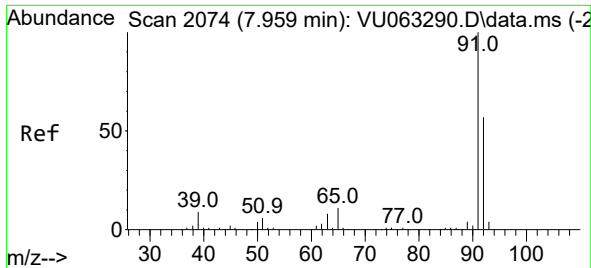
Ion Ratio Lower Upper

43 100

58 39.0 33.0 49.6

100 14.7 11.9 17.9





#42

Toluene

Concen: 9.24 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

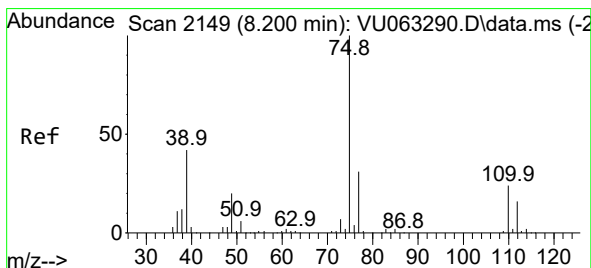
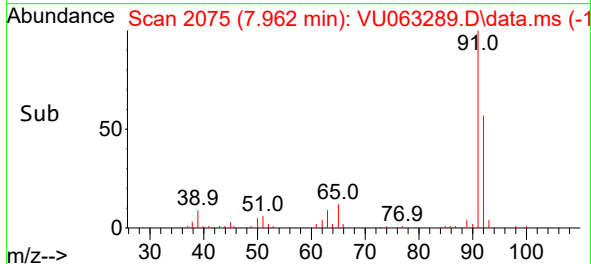
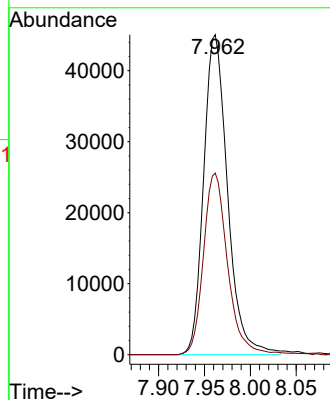
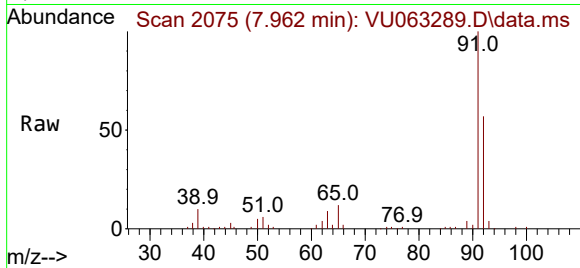
VSTD010028

Tgt Ion: 91 Resp: 81773

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 9.35 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063289.D

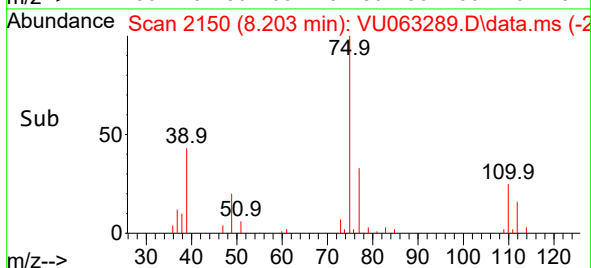
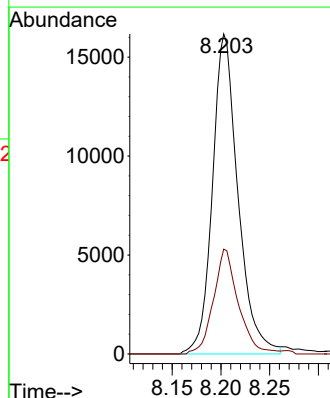
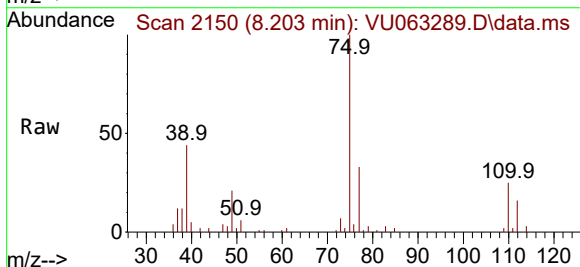
Acq: 17 Mar 2025 10:56

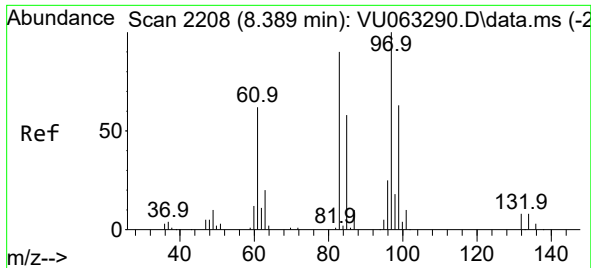
Tgt Ion: 75 Resp: 29493

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3

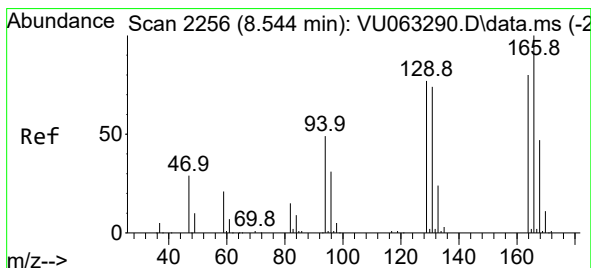
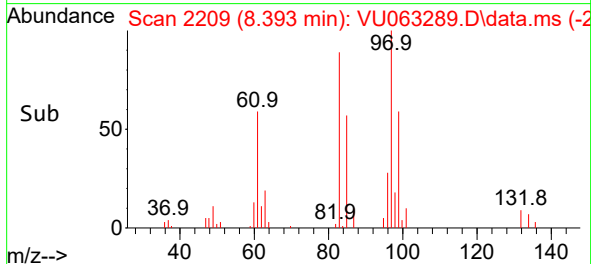
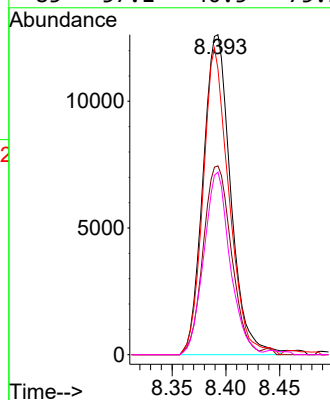
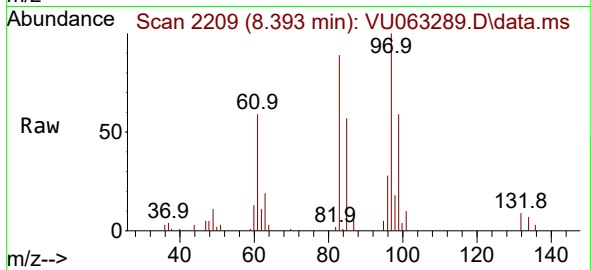




#45
1,1,2-Trichloroethane
Concen: 10.22 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

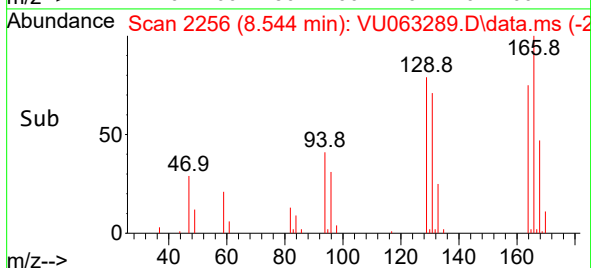
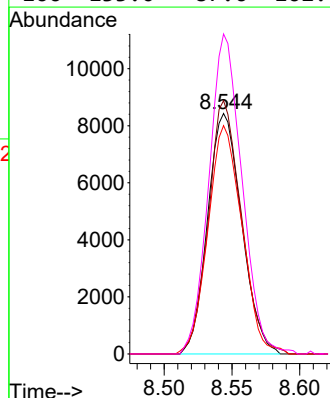
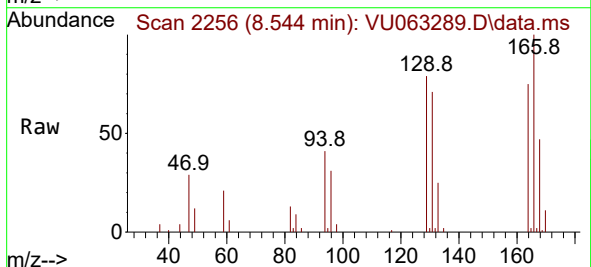
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

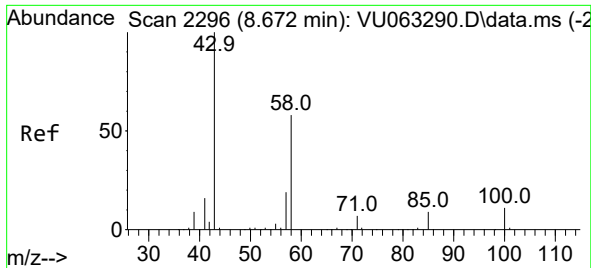
Tgt Ion:	97	Resp:	22481
Ion	Ratio	Lower	Upper
97	100		
99	59.0	44.4	82.4
83	89.3	63.3	117.5
85	57.1	40.5	75.1



#46
Tetrachloroethene
Concen: 9.32 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:	164	Resp:	14711
Ion	Ratio	Lower	Upper
164	100		
129	105.3	67.8	125.8
131	94.9	64.3	119.5
166	133.0	87.6	162.6

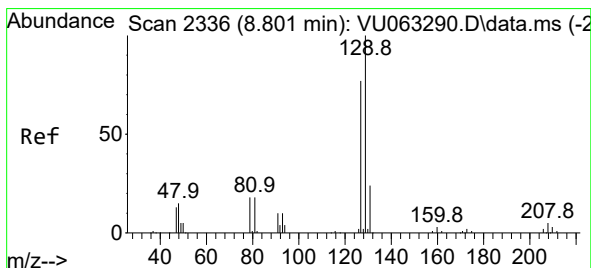
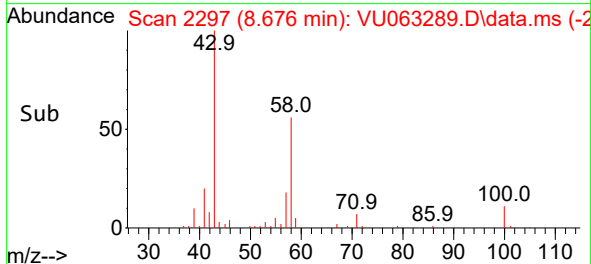
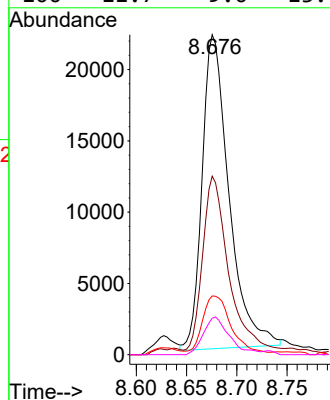
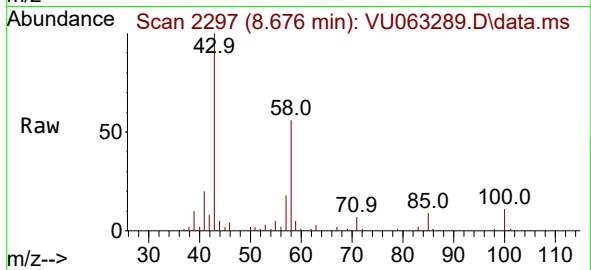




#48
2-Hexanone
Concen: 19.04 ug/L
RT: 8.676 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

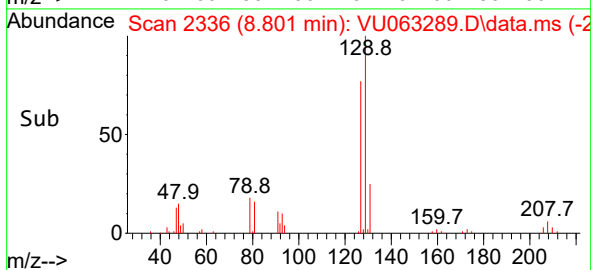
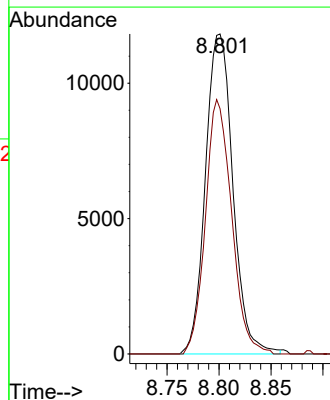
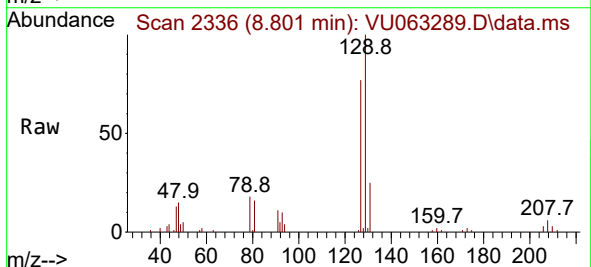
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

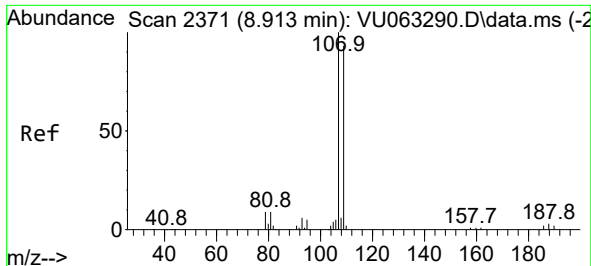
Tgt Ion:	43	Resp:	40996
Ion	Ratio	Lower	Upper
43	100		
58	54.0	46.6	69.8
57	18.8	15.8	23.6
100	11.7	9.0	13.4



#49
Dibromochloromethane
Concen: 9.83 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:	129	Resp:	21751
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.0	100.4

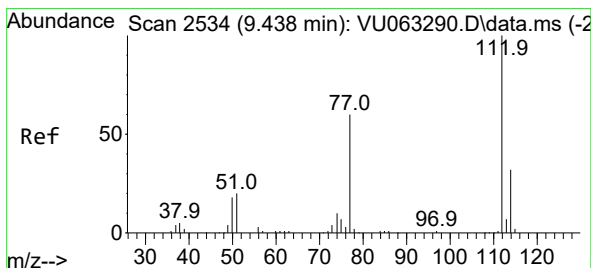
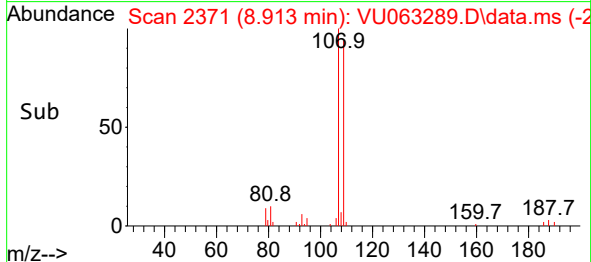
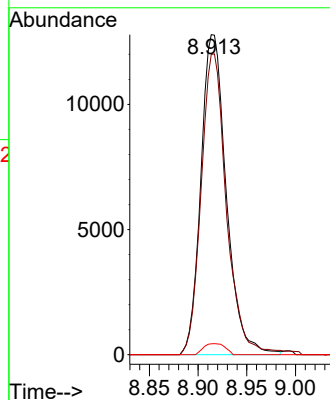
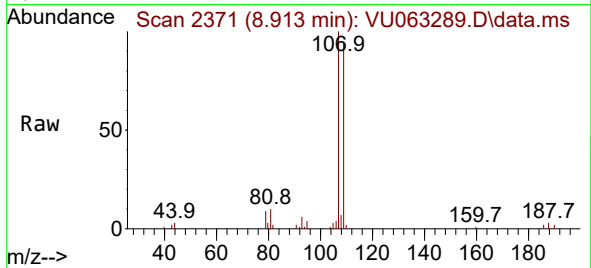




#50
1,2-Dibromoethane
Concen: 9.87 ug/L
RT: 8.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

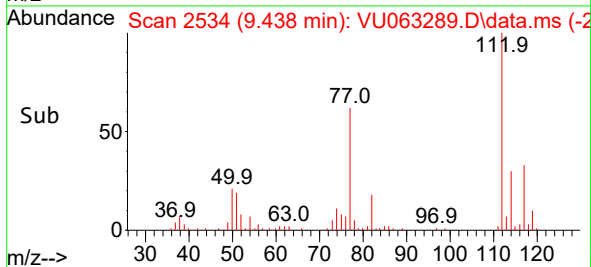
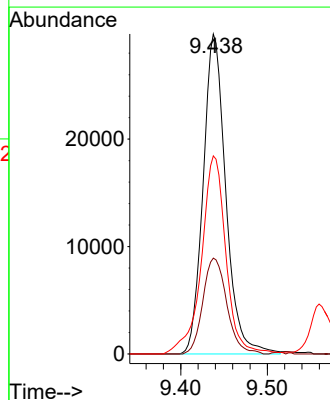
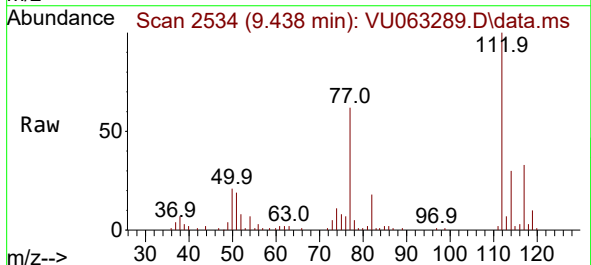
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

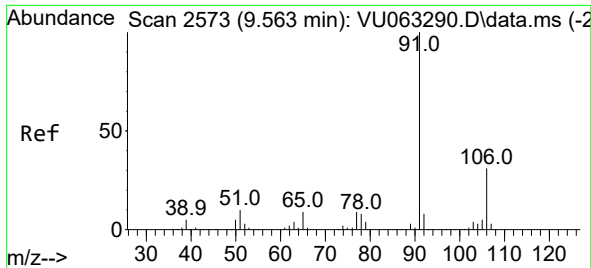
Tgt Ion:107 Resp: 23223
Ion Ratio Lower Upper
107 100
109 93.8 65.2 121.0
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 9.84 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:112 Resp: 54223
Ion Ratio Lower Upper
112 100
114 29.9 22.3 41.5
77 61.9 48.7 73.1

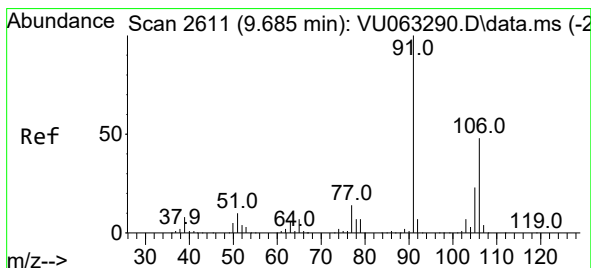
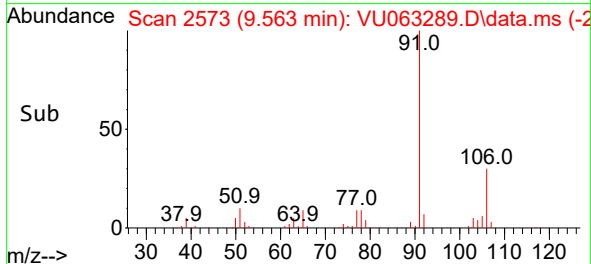
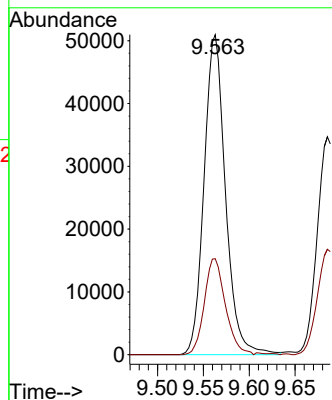
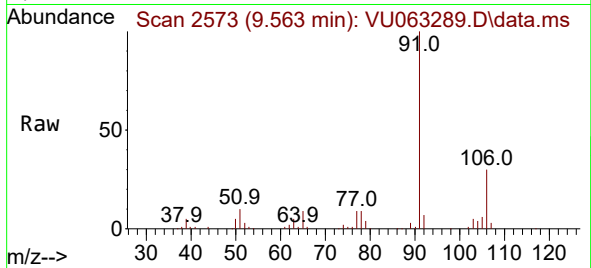




#52
Ethylbenzene
Concen: 8.69 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

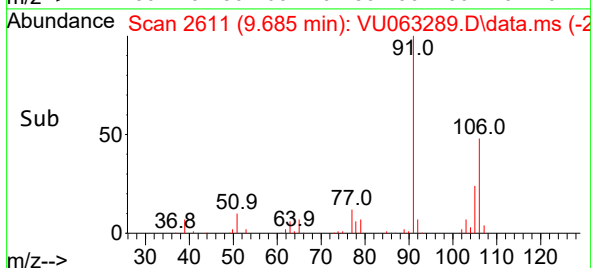
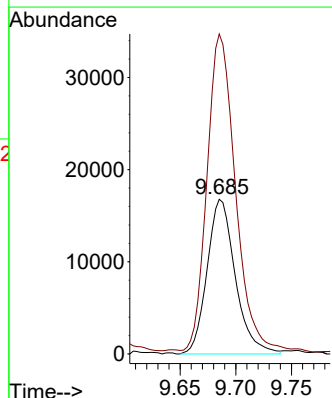
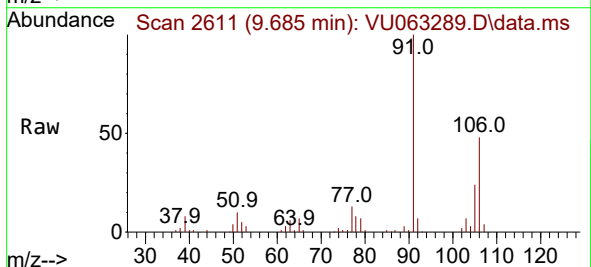
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

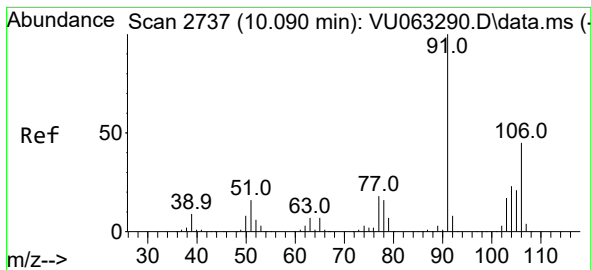
Tgt Ion: 91 Resp: 82851
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



#53
m,p-Xylene
Concen: 8.33 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 106 Resp: 29556
Ion Ratio Lower Upper
106 100
91 206.9 147.3 273.6





#54

o-Xylene

Concen: 8.26 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

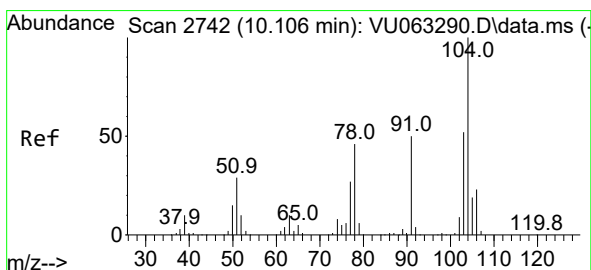
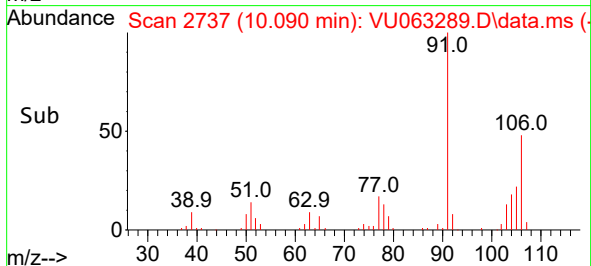
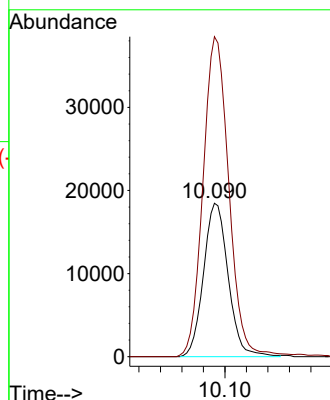
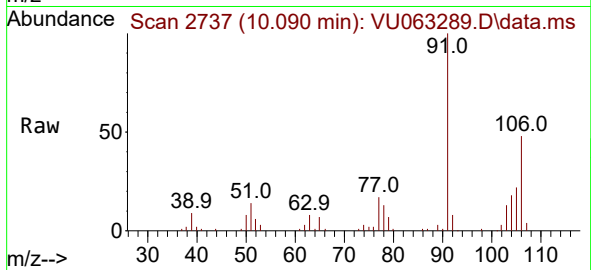
VSTD010028

Tgt Ion:106 Resp: 29422

Ion Ratio Lower Upper

106 100

91 208.4 156.7 291.1



#55

Styrene

Concen: 7.45 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063289.D

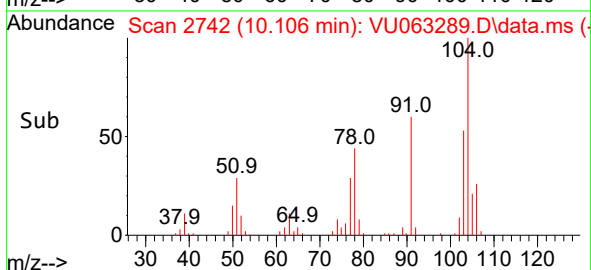
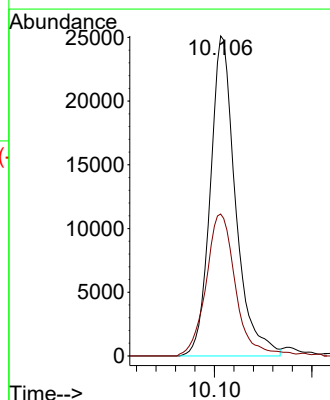
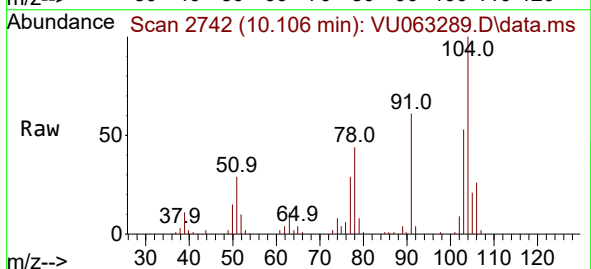
Acq: 17 Mar 2025 10:56

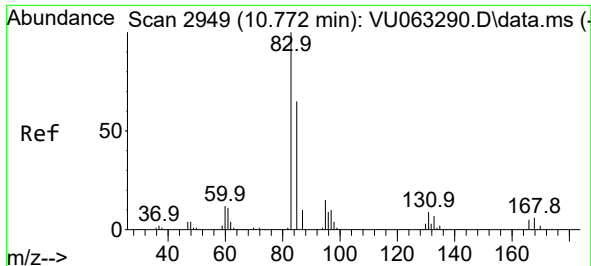
Tgt Ion:104 Resp: 45182

Ion Ratio Lower Upper

104 100

78 44.3 32.4 60.2

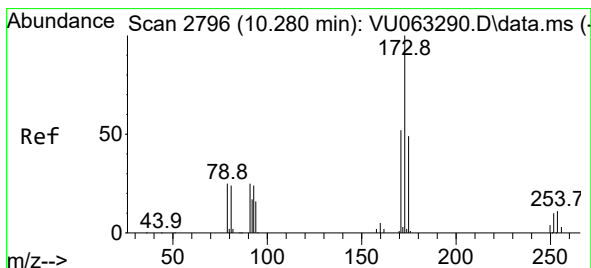
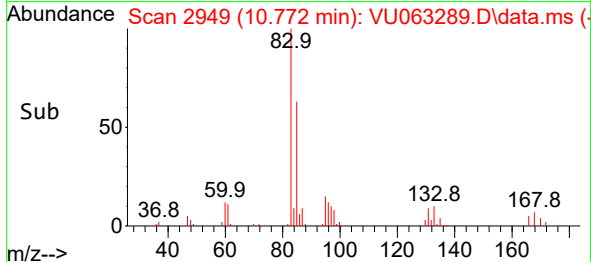
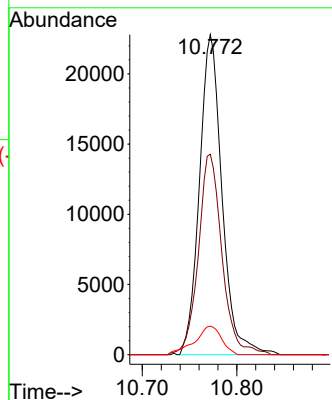
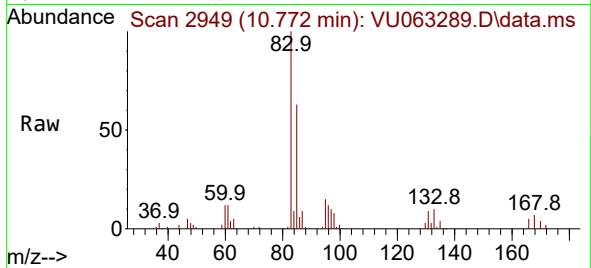




#57
1,1,2,2-Tetrachloroethane
Concen: 9.83 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

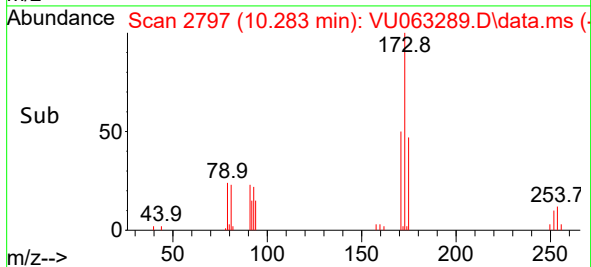
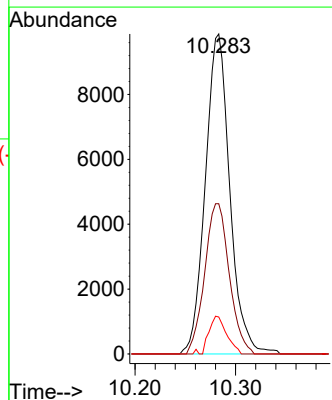
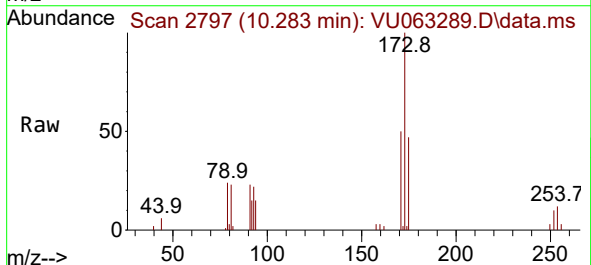
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

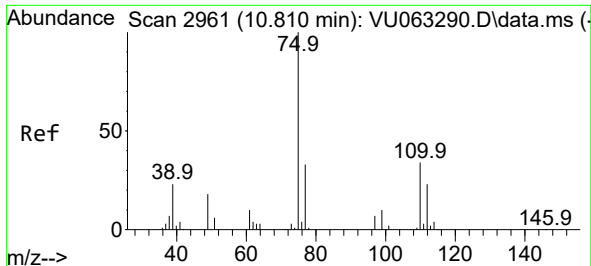
Tgt Ion: 83 Resp: 37858
Ion Ratio Lower Upper
83 100
85 62.7 45.6 84.8
131 8.9 7.1 10.7



#59
Bromoform
Concen: 10.76 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 173 Resp: 16697
Ion Ratio Lower Upper
173 100
175 47.0 38.6 57.8
254 8.4 7.8 11.6

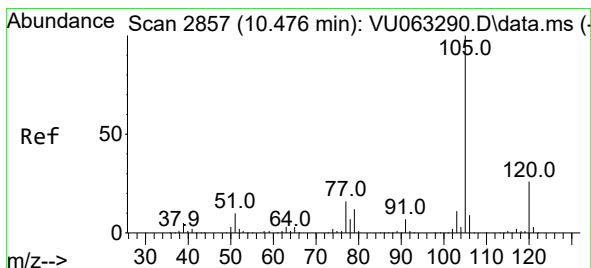
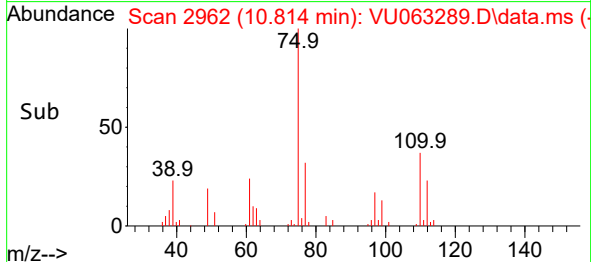
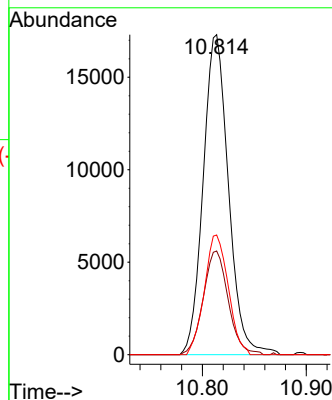
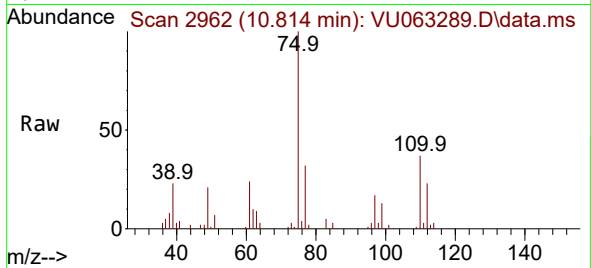




#60
1,2,3-Trichloropropane
Concen: 11.73 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

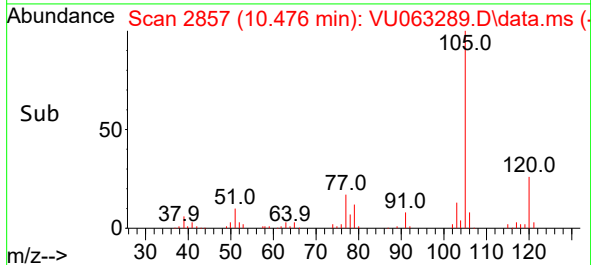
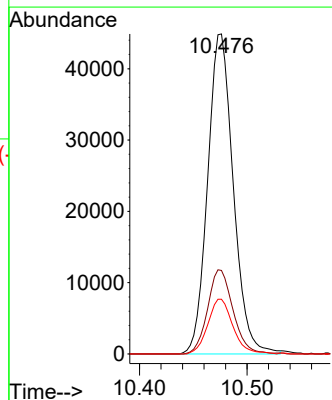
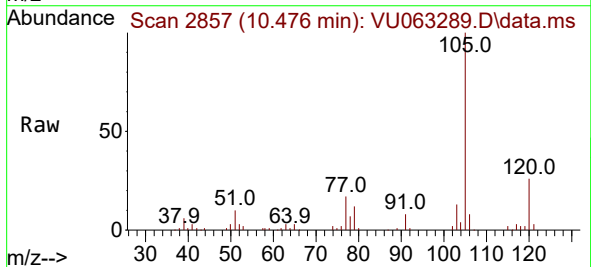
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

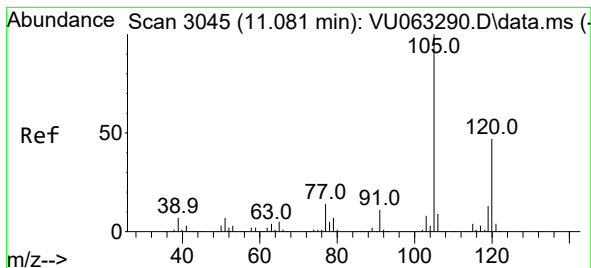
Tgt Ion: 75 Resp: 29285
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
110 35.3 27.8 41.8



#61
Isopropylbenzene
Concen: 9.39 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion: 105 Resp: 74407
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.7 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 8.63 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

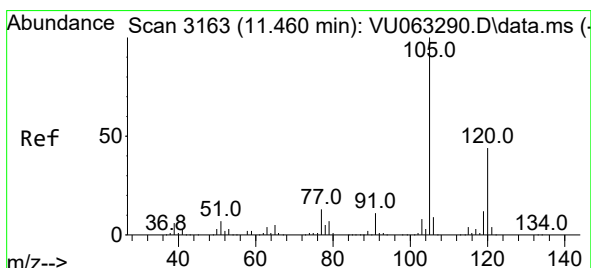
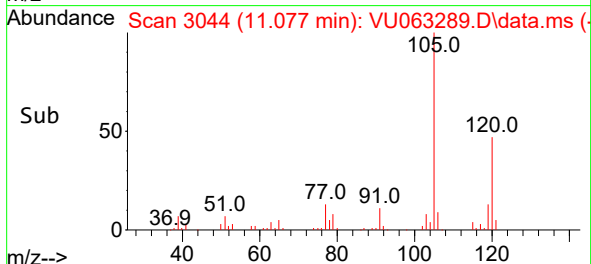
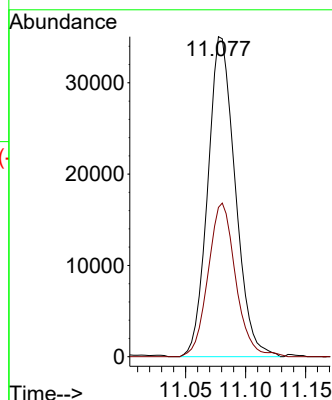
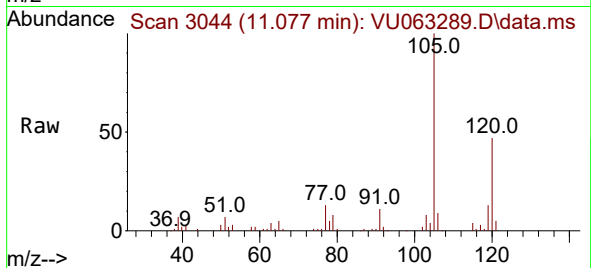
VSTD010028

Tgt Ion:105 Resp: 55690

Ion Ratio Lower Upper

105 100

120 47.8 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 7.90 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063289.D

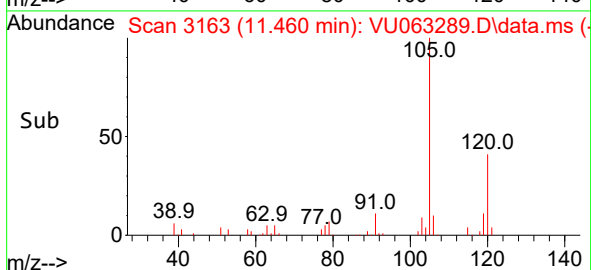
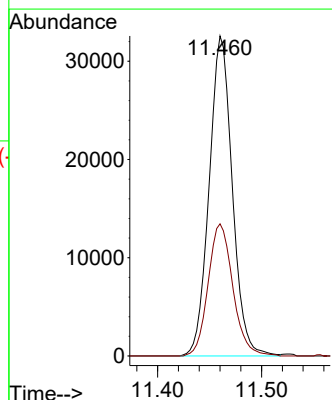
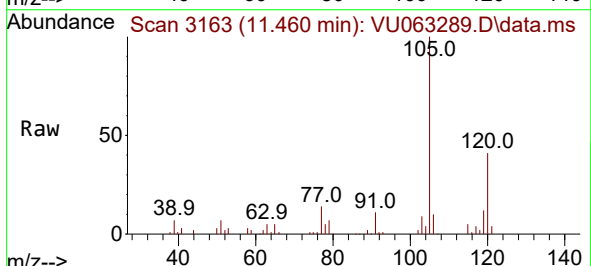
Acq: 17 Mar 2025 10:56

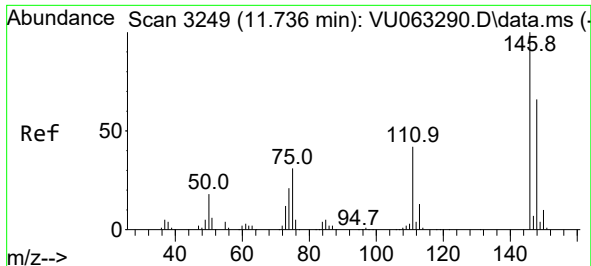
Tgt Ion:105 Resp: 50395

Ion Ratio Lower Upper

105 100

120 44.1 35.4 53.2

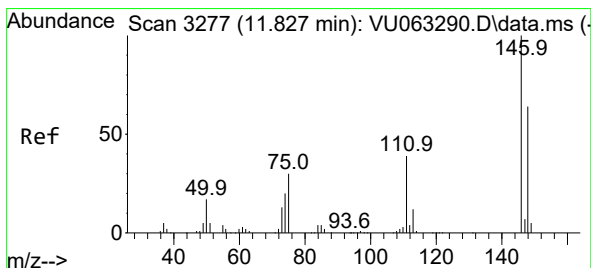
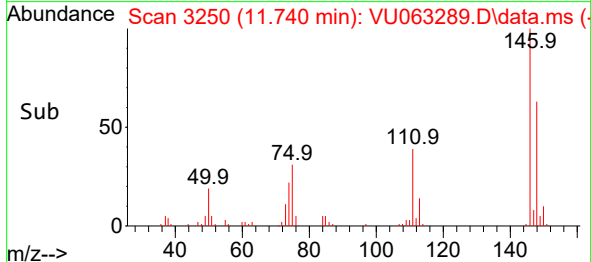
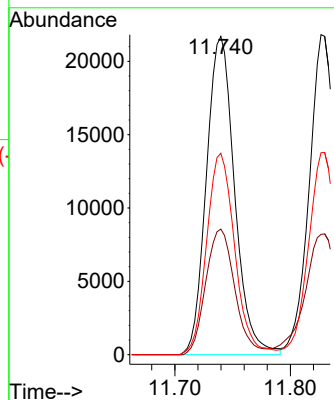
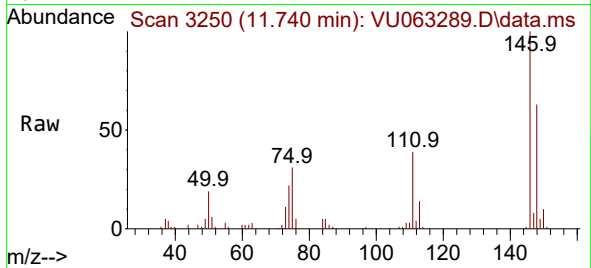




#64
1,3-Dichlorobenzene
Concen: 9.73 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

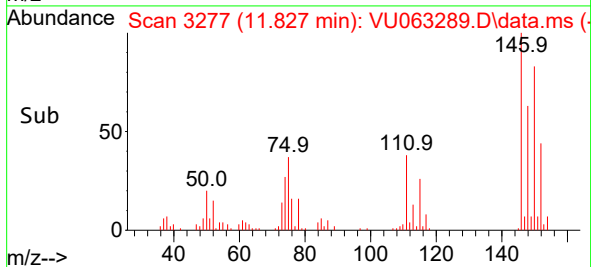
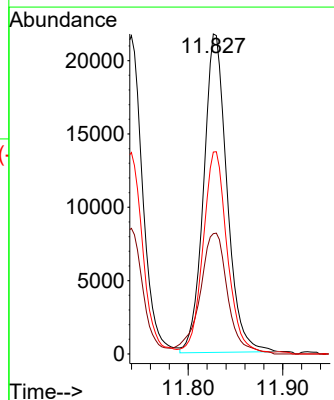
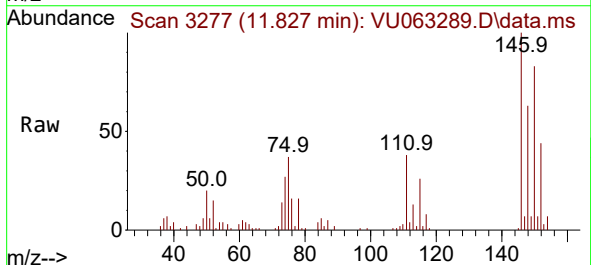
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

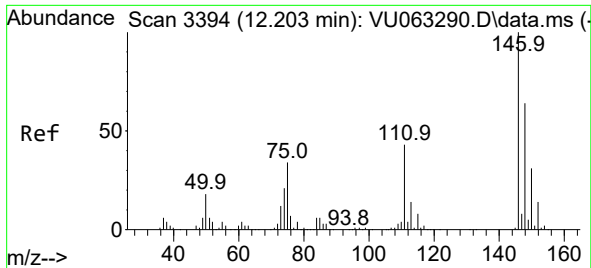
Tgt Ion:146 Resp: 36851
Ion Ratio Lower Upper
146 100
111 39.5 29.2 54.2
148 63.3 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 9.51 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:146 Resp: 37357
Ion Ratio Lower Upper
146 100
111 37.6 27.5 51.1
148 63.1 44.7 82.9

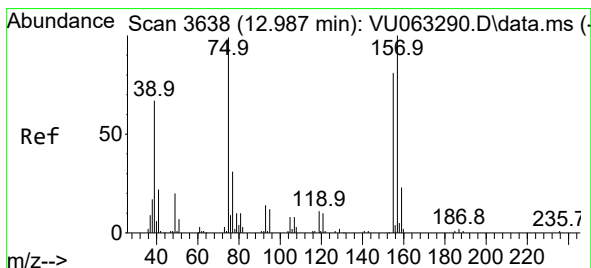
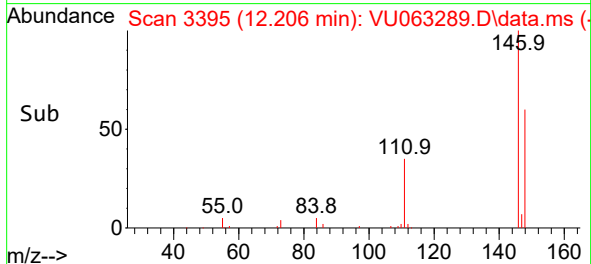
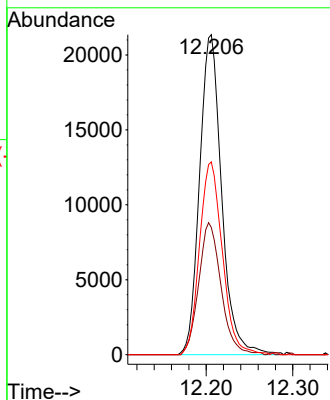
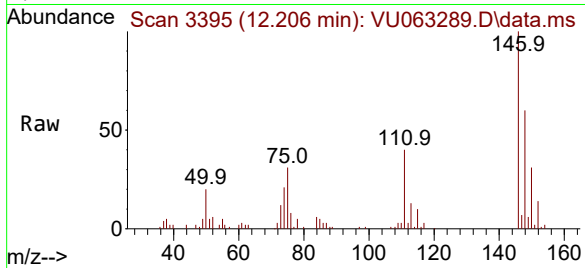




#67
1,2-Dichlorobenzene
Concen: 10.10 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

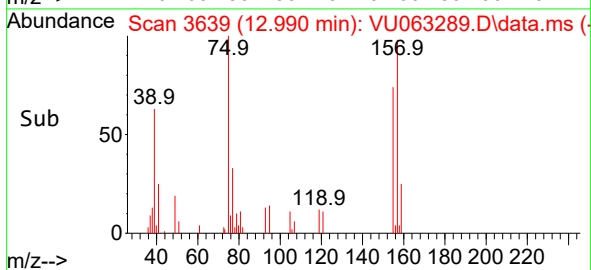
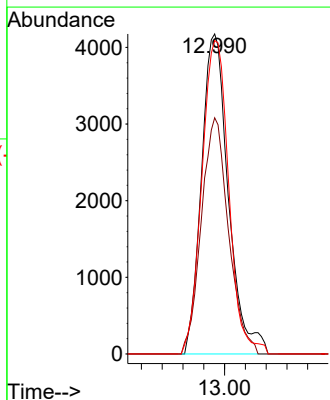
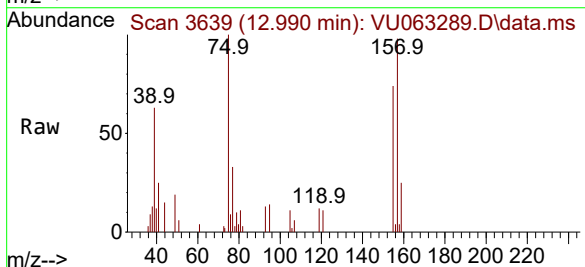
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

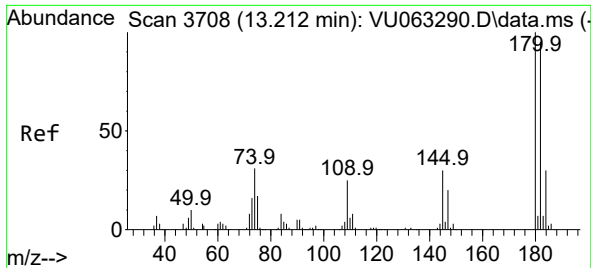
Tgt Ion:146 Resp: 37819
Ion Ratio Lower Upper
146 100
111 39.7 34.7 52.1
148 60.2 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 11.09 ug/L
RT: 12.990 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

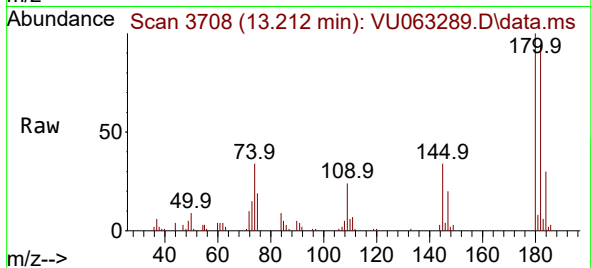
Tgt Ion: 75 Resp: 7490
Ion Ratio Lower Upper
75 100
155 73.8 68.4 102.6
157 101.6 84.2 126.4



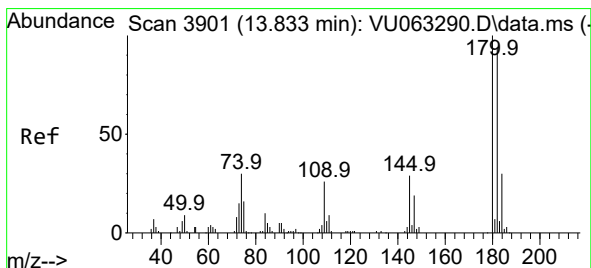
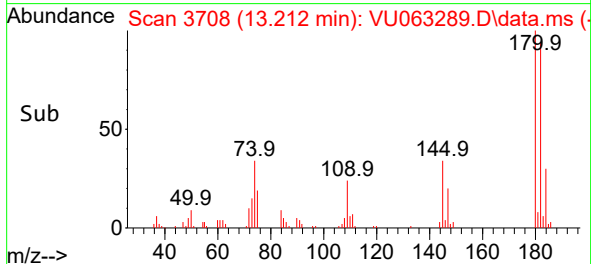
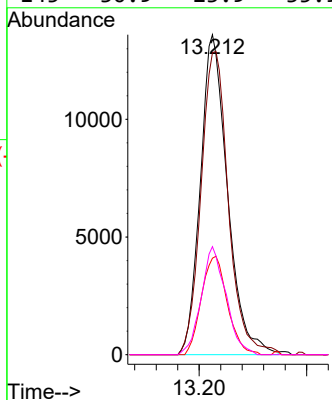


#69
1,3,5-Trichlorobenzene
Concen: 9.32 ug/L
RT: 13.212 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

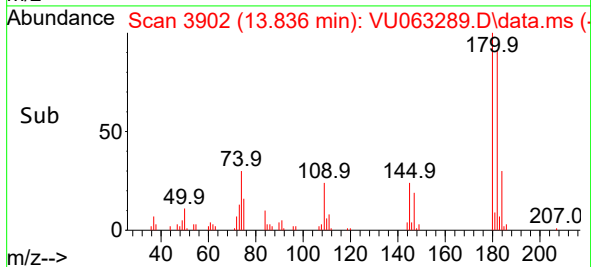
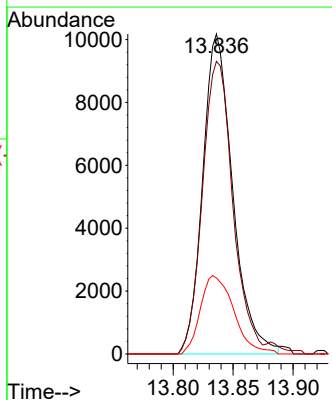
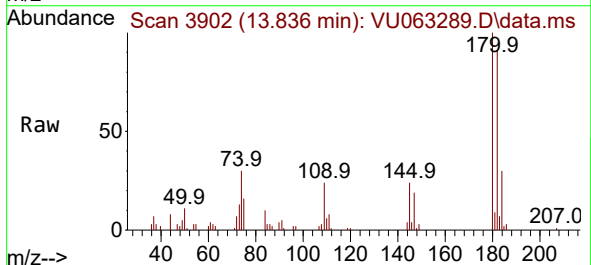


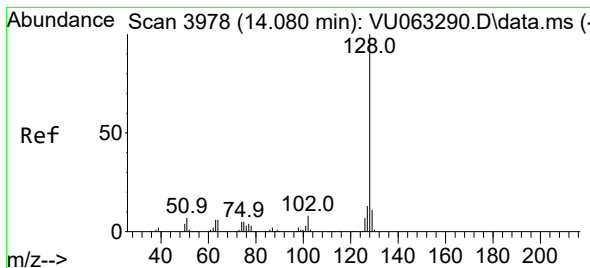
Tgt Ion:180 Resp: 23812
Ion Ratio Lower Upper
180 100
182 95.8 77.2 115.8
184 29.5 24.3 36.5
145 30.9 23.9 35.9



#70
1,2,4-trichlorobenzene
Concen: 8.11 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU063289.D
Acq: 17 Mar 2025 10:56

Tgt Ion:180 Resp: 17720
Ion Ratio Lower Upper
180 100
182 92.3 75.8 113.8
145 27.3 24.0 36.0





#71

Naphthalene

Concen: 6.14 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

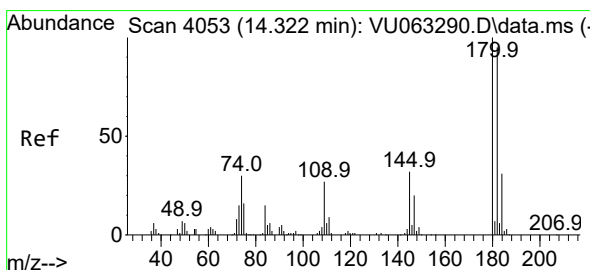
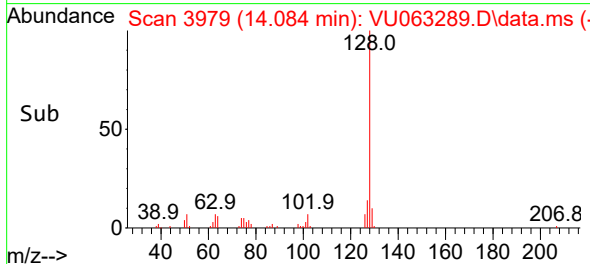
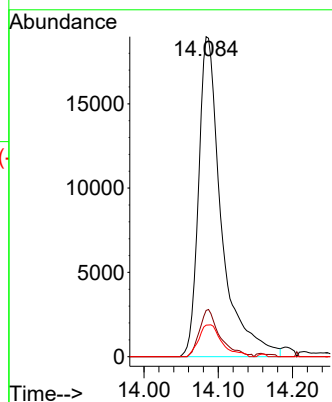
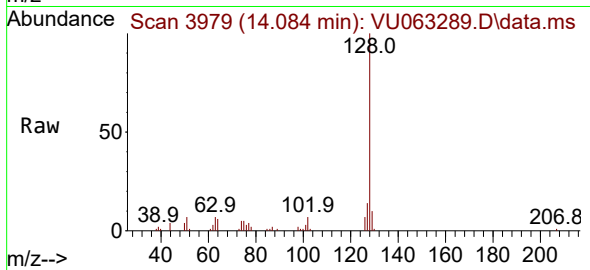
Tgt Ion:128 Resp: 40591

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 7.82 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063289.D

Acq: 17 Mar 2025 10:56

Tgt Ion:180 Resp: 16547

Ion Ratio Lower Upper

180 100

182 93.8 77.3 115.9

145 31.0 25.7 38.5

