

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040325\
 Data File : VU063329.D
 Acq On : 03 Apr 2025 15:11
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001013

Quant Time: Apr 04 09:12:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 04 09:10:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	177853	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	178766	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	75303	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	13056	1.06	ug/L	0.00
7) Chloroethane-d5	1.901	69	12509	1.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	5689	1.02	ug/L	0.00
20) 2-Butanone-d5	4.628	46	33796	9.66	ug/L	0.02
24) Chloroform-d	5.052	84	27751	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	14257	1.06	ug/L	0.00
32) Benzene-d6	5.721	84	53367	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	17534	1.01	ug/L	0.00
41) Toluene-d8	7.891	98	43808	0.95	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5096	0.99	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	21765	8.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	15375	1.04	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	13915	1.04	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	18835	1.03	ug/L	98
3) Chloromethane	1.518	50	21459	1.04	ug/L	98
5) Vinyl chloride	1.599	62	21302	1.03	ug/L	96
6) Bromomethane	1.843	94	11454	1.05	ug/L	84
8) Chloroethane	1.924	64	12146	1.03	ug/L	95
9) Trichlorofluoromethane	2.129	101	23575	1.08	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	13770	1.05	ug/L	99
12) 1,1-Dichloroethene	2.570	96	12678	1.01	ug/L	90
13) Acetone	2.618	43	25287	10.72	ug/L	97
14) Carbon disulfide	2.782	76	46747	1.04	ug/L	99
15) Methyl Acetate	2.946	43	6185	0.99	ug/L	100
16) Methylene chloride	3.033	84	16896	1.06	ug/L	91
17) Methyl tert-butyl Ether	3.354	73	31887	1.00	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	13789	1.03	ug/L	94
19) 1,1-Dichloroethane	3.856	63	28438	1.03	ug/L	99
21) 2-Butanone	4.705	43	35058	9.42	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	15237	1.01	ug/L	82
23) Bromochloromethane	4.968	128	7568	1.09	ug/L	80
25) Chloroform	5.078	83	28601	1.04	ug/L	99
27) 1,2-Dichloroethane	5.788	62	18118	1.03	ug/L	96
29) 1,1,1-Trichloroethane	5.306	97	22717	1.04	ug/L	99
30) Cyclohexane	5.374	56	21650	0.92	ug/L	99
31) Carbon tetrachloride	5.512	117	19044	1.01	ug/L	100
33) Benzene	5.763	78	59660	0.98	ug/L	100
34) Trichloroethene	6.534	95	15322	1.00	ug/L	95
35) Methylcyclohexane	6.753	83	19817	0.89	ug/L	95
37) 1,2-Dichloropropane	6.782	63	17192	1.02	ug/L #	94
38) Bromodichloromethane	7.097	83	21173	1.06	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	20968	0.95	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	85637	9.24	ug/L	96
42) Toluene	7.962	91	59934	0.95	ug/L	96
44) trans-1,3-Dichloropropene	8.203	75	18209	0.97	ug/L	96

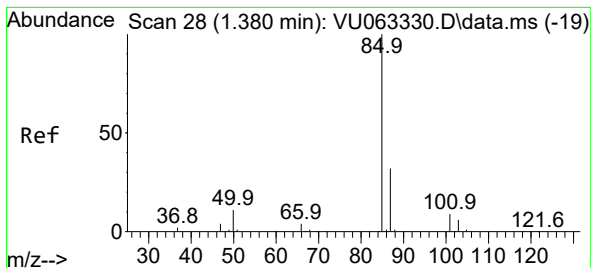
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 Data File : VU063329.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 04 09:10:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	11750	1.00	ug/L	97
47) Tetrachloroethene	8.544	164	11023	1.01	ug/L	96
48) 2-Hexanone	8.676	43	56510	8.66	ug/L	99
49) Dibromochloromethane	8.798	129	12616	1.00	ug/L	97
50) 1,2-Dibromoethane	8.917	107	10789	0.99	ug/L	96
51) Chlorobenzene	9.441	112	38818	1.00	ug/L	97
52) Ethylbenzene	9.563	91	58973	0.92	ug/L	98
53) m,p-Xylene	9.685	106	20580	0.88	ug/L	95
54) o-Xylene	10.090	106	19665	0.88	ug/L	90
55) Styrene	10.110	104	30798	0.83	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	15660	1.02	ug/L	94
59) Bromoform	10.283	173	7260	1.08	ug/L #	98
60) Isopropylbenzene	10.476	105	50806	0.97	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	10123	1.07	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	37554	0.92	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	32102	0.84	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	25734	1.03	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	24758	0.99	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	24373	1.02	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	2104	1.07	ug/L	83
69) 1,3,5-Trichlorobenzene	13.216	180	17465	1.03	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	11189	0.94	ug/L	98
71) Naphthalene	14.090	128	13700	0.78	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.328	180	9551	0.90	ug/L	98

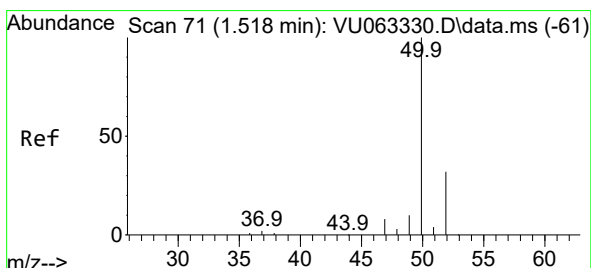
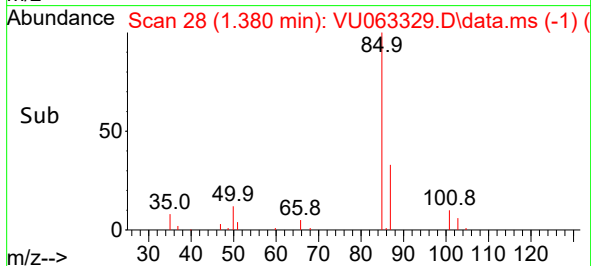
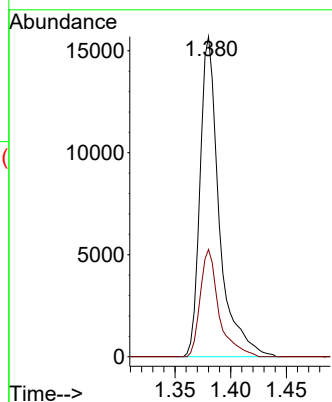
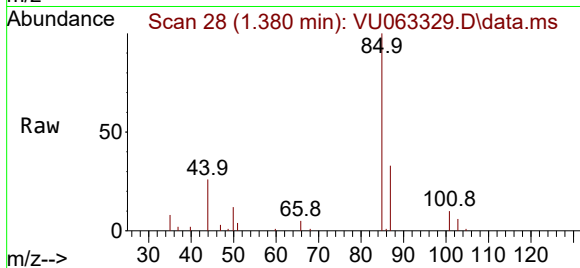
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#2
 Dichlorodifluoromethane
 Concen: 1.03 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

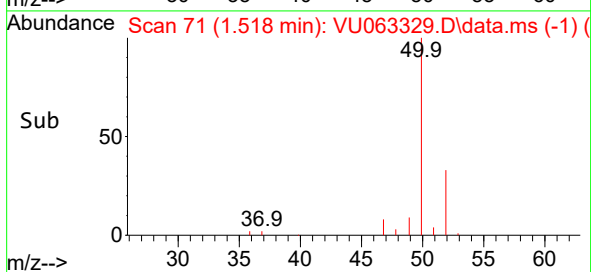
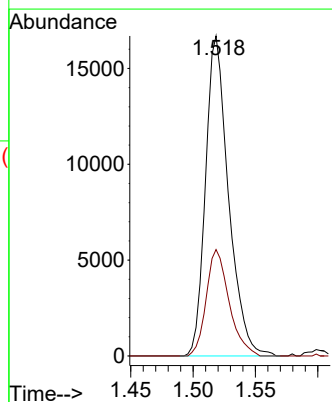
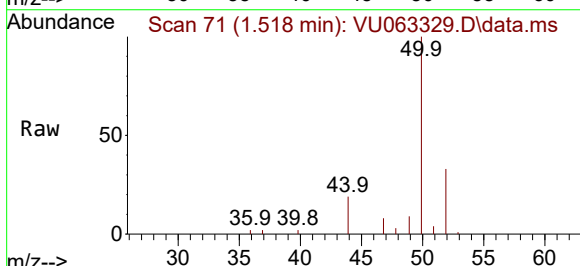
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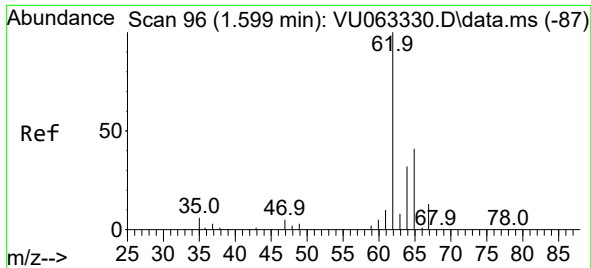
Tgt Ion: 85 Resp: 18835
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.3 37.9



#3
 Chloromethane
 Concen: 1.04 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

Tgt Ion: 50 Resp: 21459
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.7 42.1

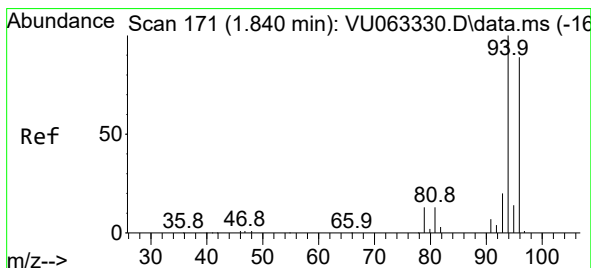
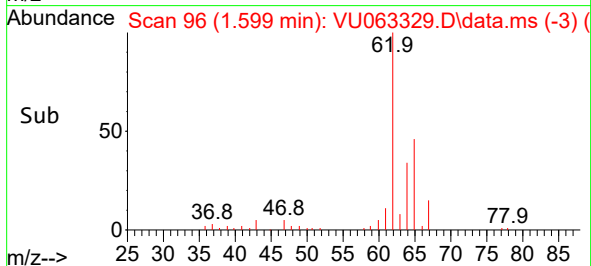
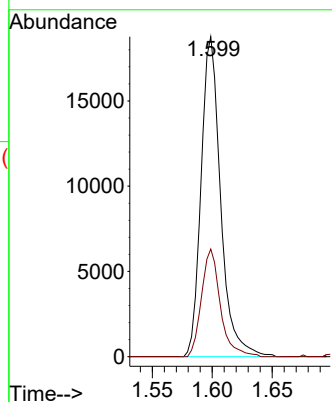
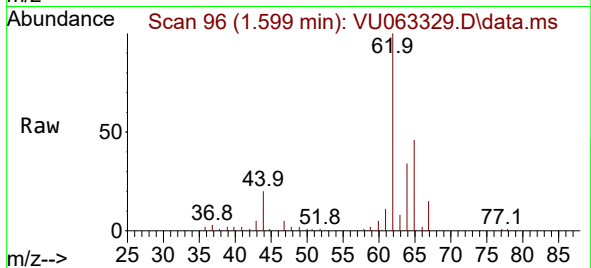




#5
 Vinyl chloride
 Concen: 1.03 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

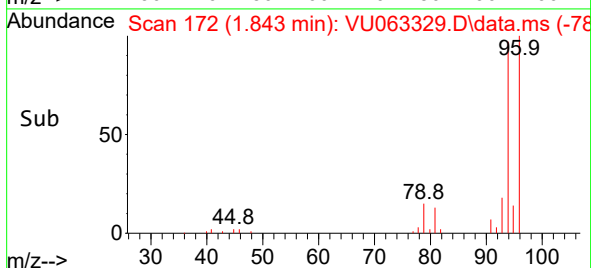
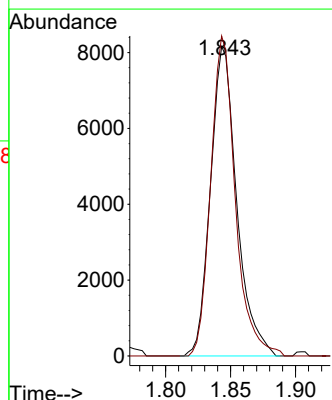
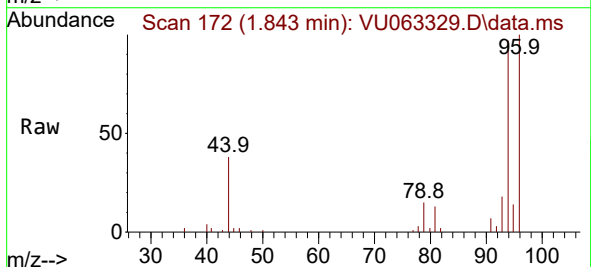
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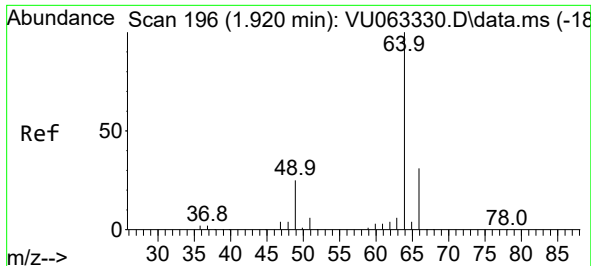
Tgt Ion: 62 Resp: 21302
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.1 41.1



#6
 Bromomethane
 Concen: 1.05 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. 0.003 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

Tgt Ion: 94 Resp: 11454
 Ion Ratio Lower Upper
 94 100
 96 103.4 62.1 115.3





#8

Chloroethane

Concen: 1.03 ug/L

RT: 1.924 min Scan# 196

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

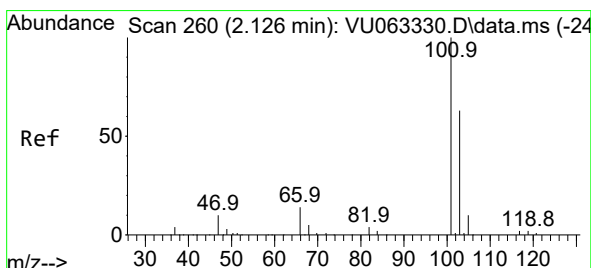
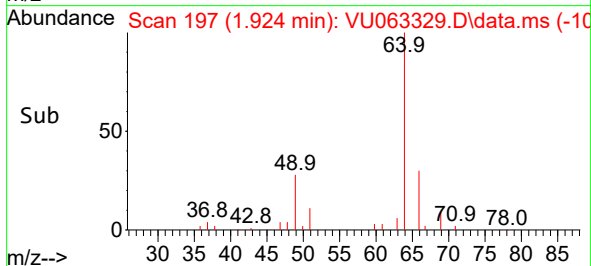
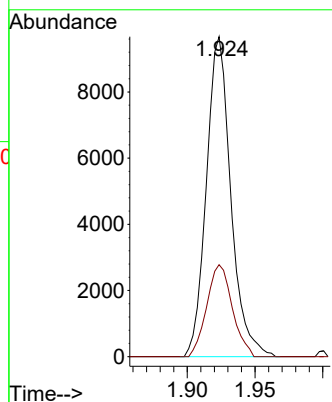
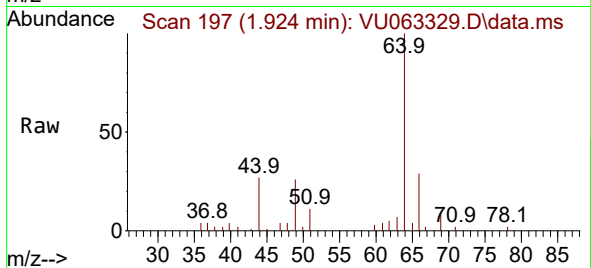
VSTD001013

Tgt Ion: 64 Resp: 12146

Ion Ratio Lower Upper

64 100

66 28.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 1.08 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.003 min

Lab File: VU063329.D

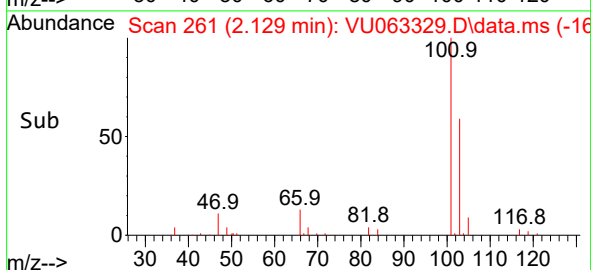
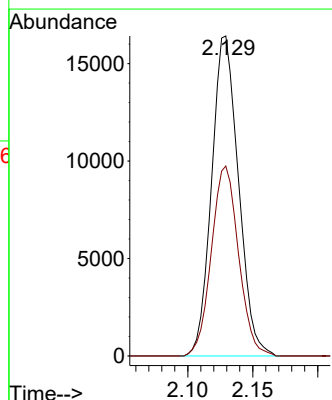
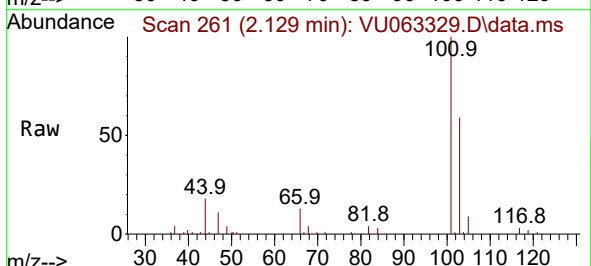
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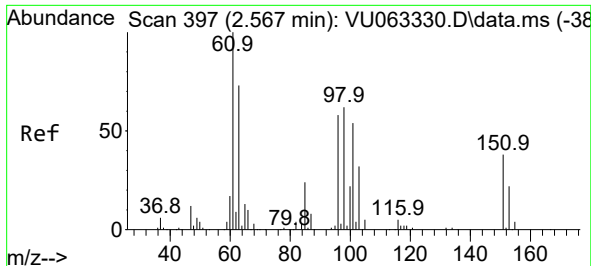
Tgt Ion: 101 Resp: 23575

Ion Ratio Lower Upper

101 100

103 60.1 50.9 76.3

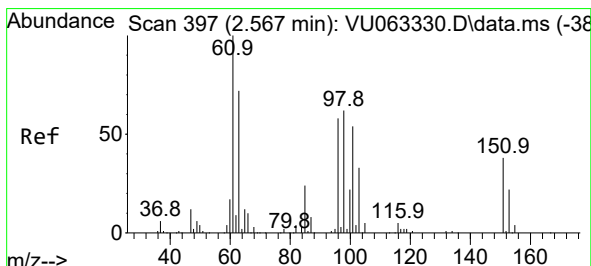
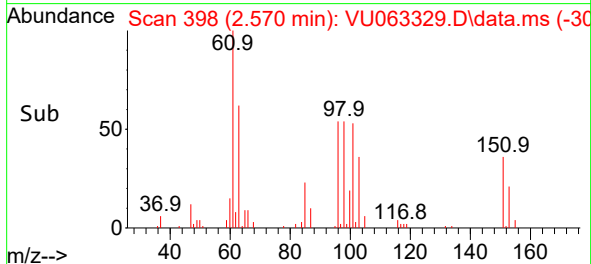
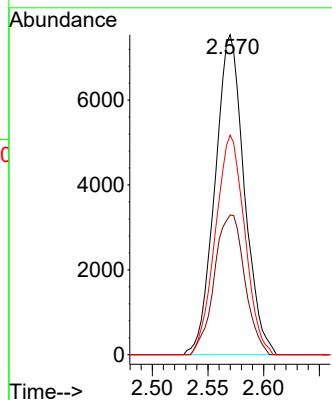
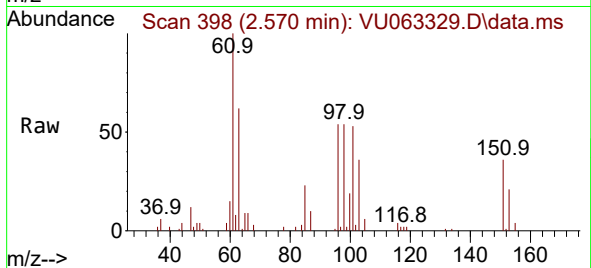




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.05 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

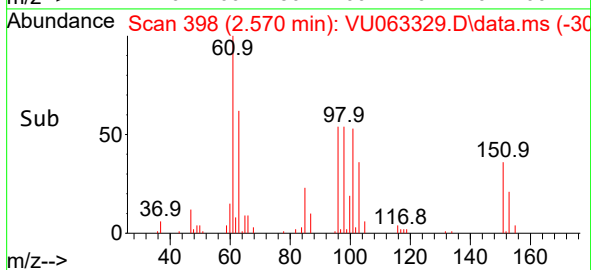
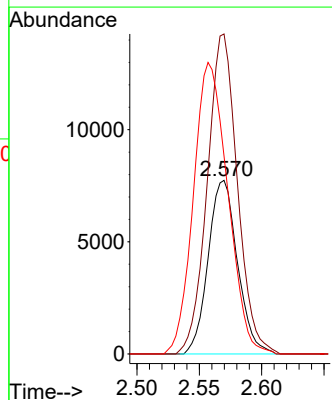
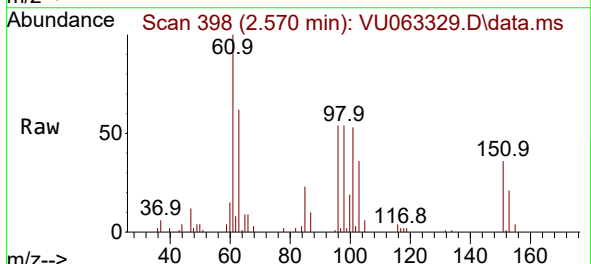
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

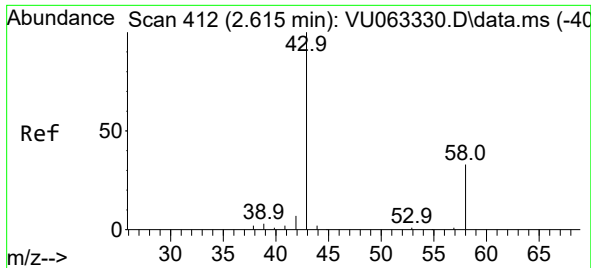
Tgt Ion:101 Resp: 13770
Ion Ratio Lower Upper
101 100
85 45.4 35.7 53.5
151 68.9 55.2 82.8



#12
1,1-Dichloroethene
Concen: 1.01 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 96 Resp: 12678
Ion Ratio Lower Upper
96 100
61 184.4 121.2 225.0
63 113.9 88.9 165.1





#13

Acetone

Concen: 10.72 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

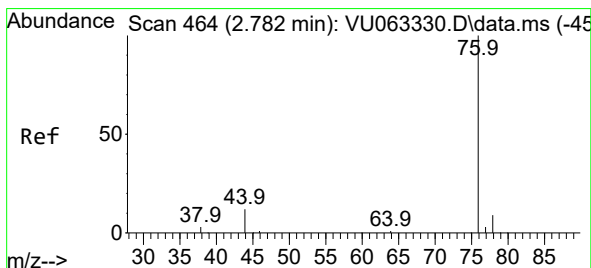
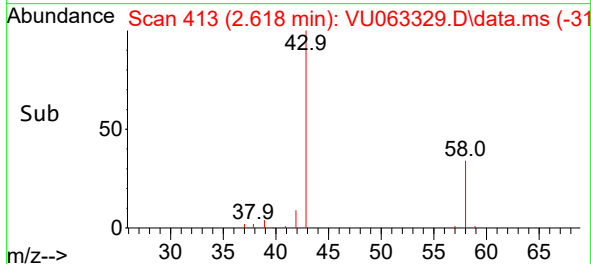
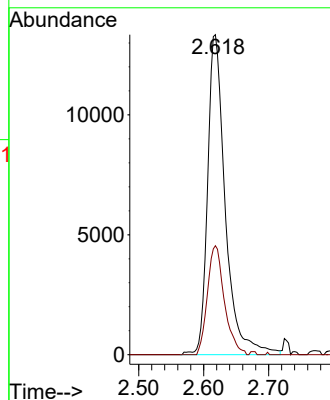
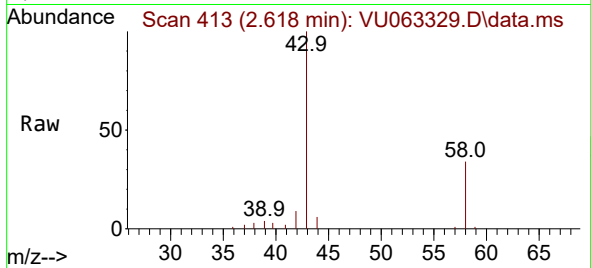
VSTD001013

Tgt Ion: 43 Resp: 25287

Ion Ratio Lower Upper

43 100

58 32.6 0.0 68.8



#14

Carbon disulfide

Concen: 1.04 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063329.D

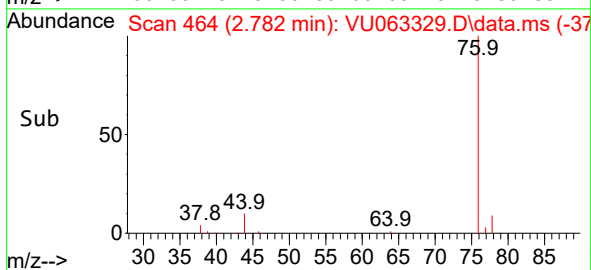
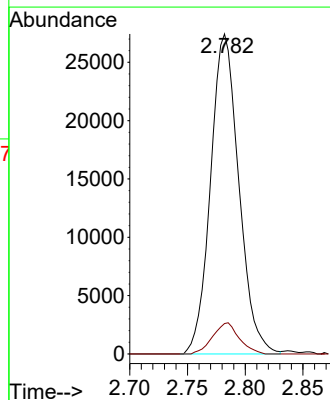
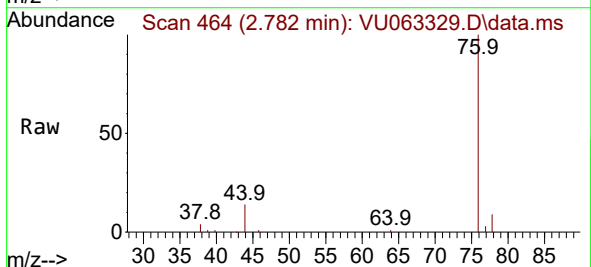
Acq: 03 Apr 2025 15:11

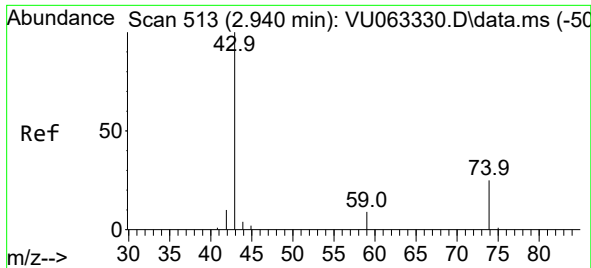
Tgt Ion: 76 Resp: 46747

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

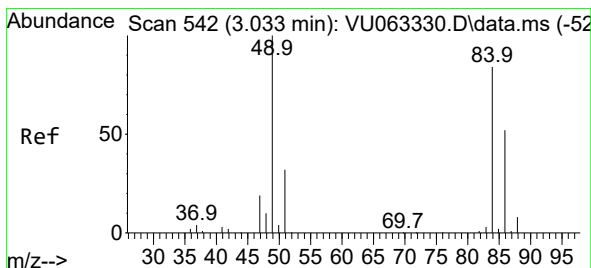
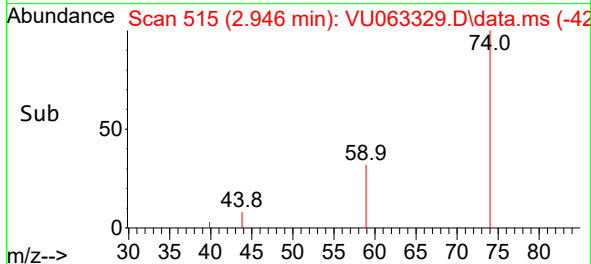
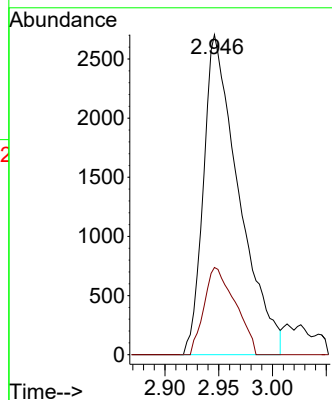
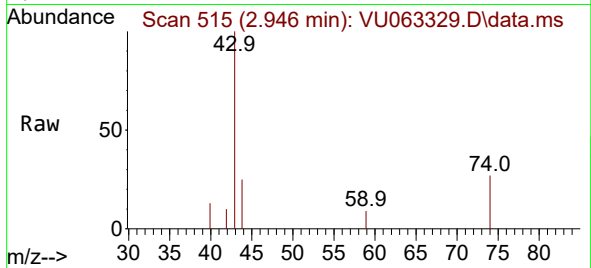




#15
Methyl Acetate
Concen: 0.99 ug/L
RT: 2.946 min Scan# 513
Delta R.T. 0.006 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

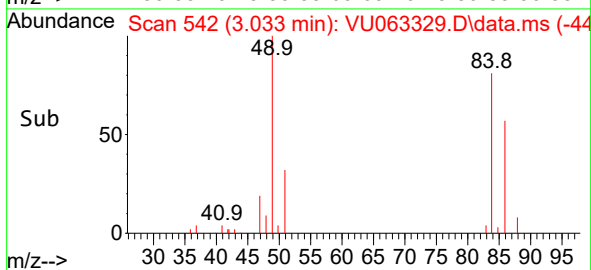
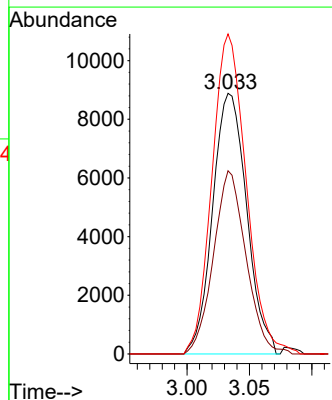
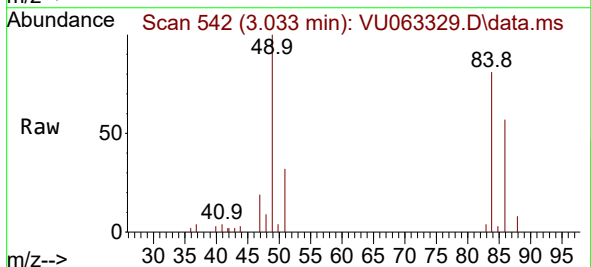
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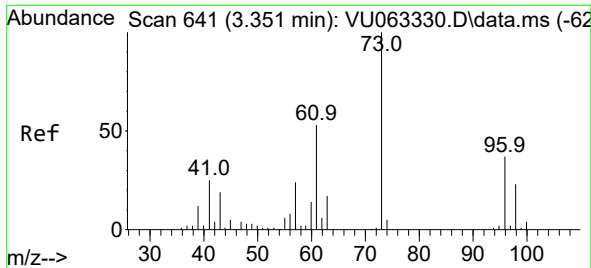
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Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 1.06 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 84 Resp: 16896
Ion Ratio Lower Upper
84 100
86 70.3 43.3 80.5
49 128.0 83.4 154.8

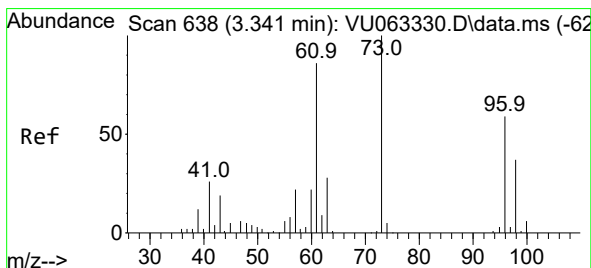
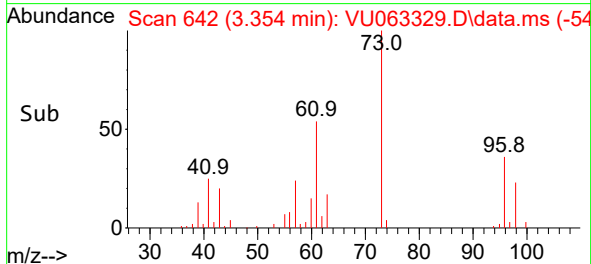
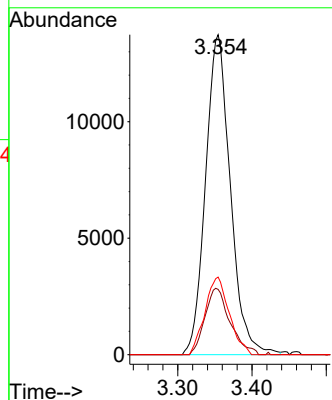
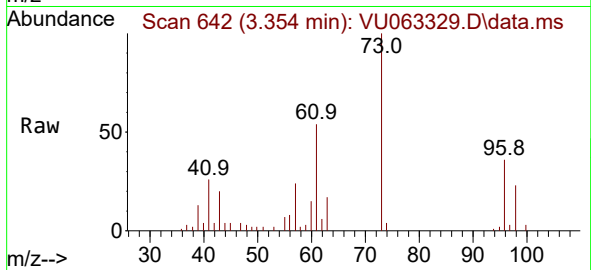




#17
Methyl tert-butyl Ether
Concen: 1.00 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

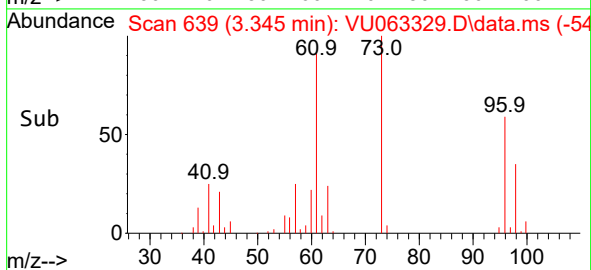
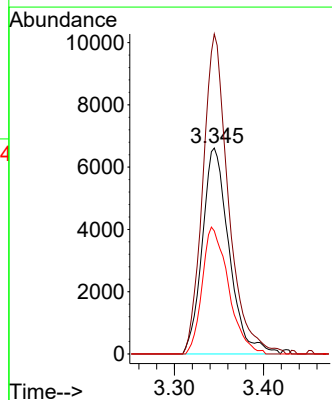
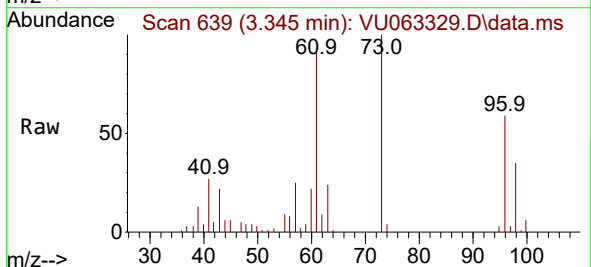
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

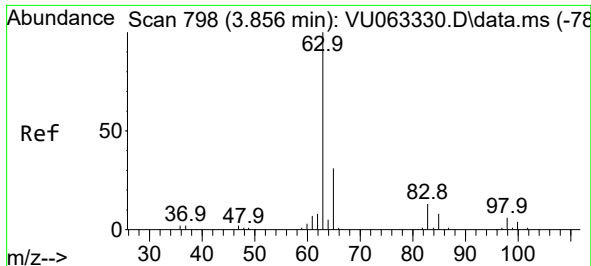
Tgt Ion: 73 Resp: 31887
Ion Ratio Lower Upper
73 100
43 21.0 15.5 23.3
57 23.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 1.03 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 96 Resp: 13789
Ion Ratio Lower Upper
96 100
61 155.4 101.8 189.0
98 59.8 43.2 80.2

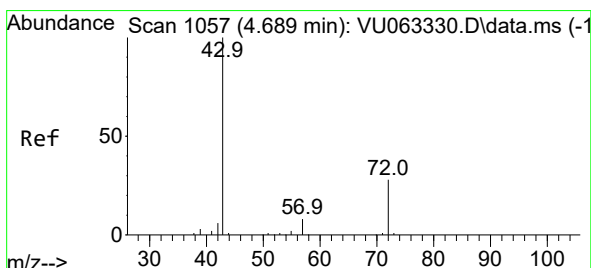
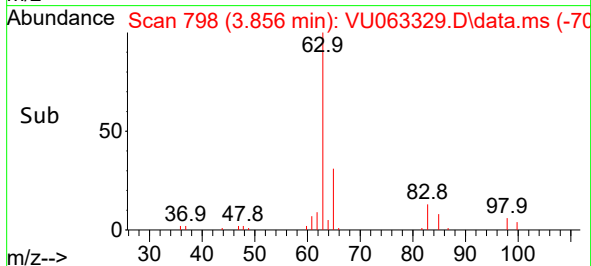
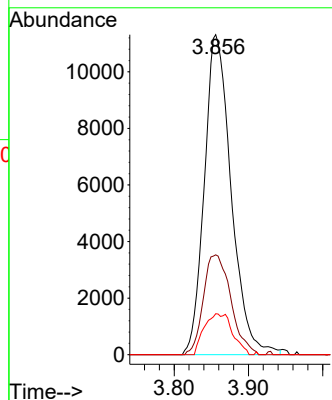
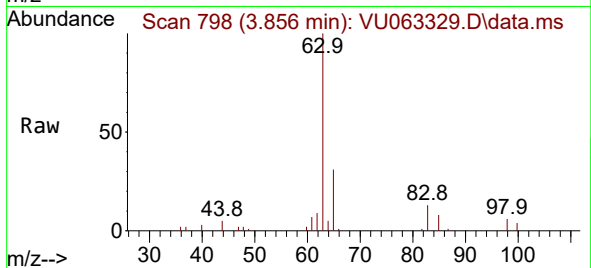




#19
1,1-Dichloroethane
Concen: 1.03 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

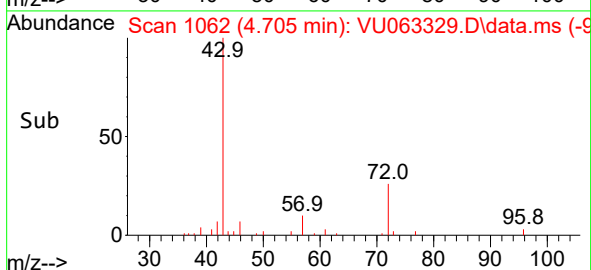
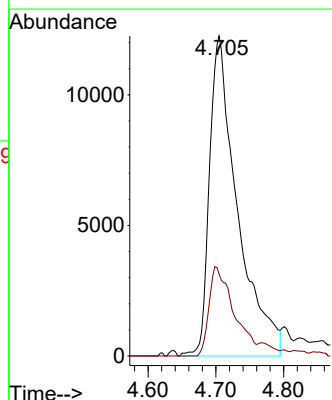
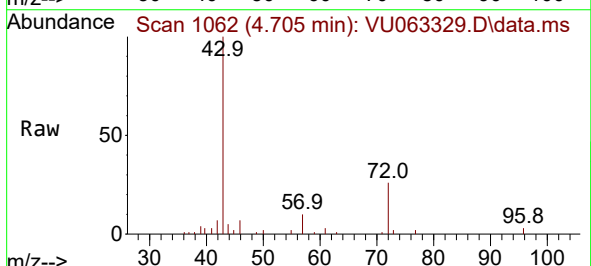
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

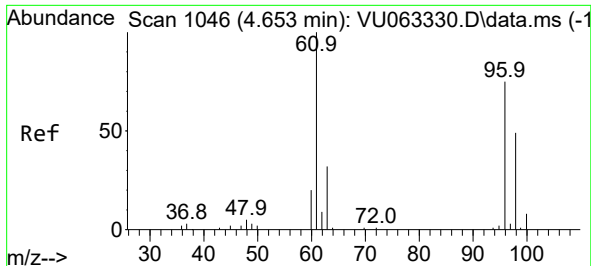
Tgt Ion:	63	Resp:	28438
Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.5	39.9
83	12.8	8.8	16.4



#21
2-Butanone
Concen: 9.42 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.016 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion:	43	Resp:	35058
Ion	Ratio	Lower	Upper
43	100		
72	24.7	14.0	42.0

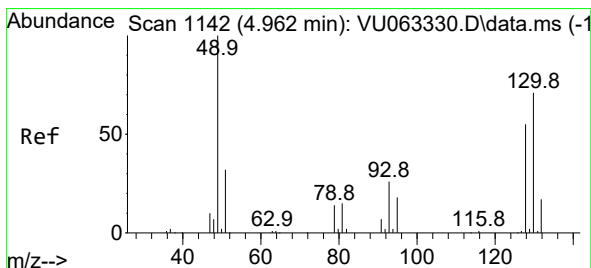
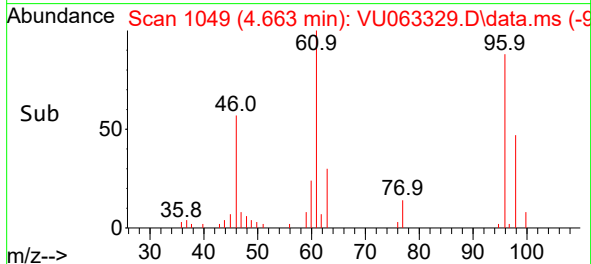
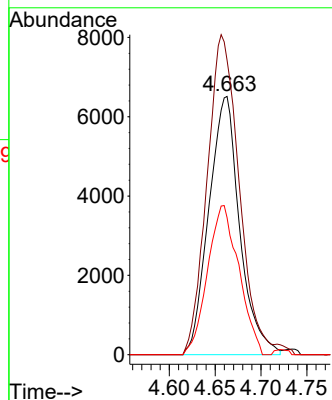
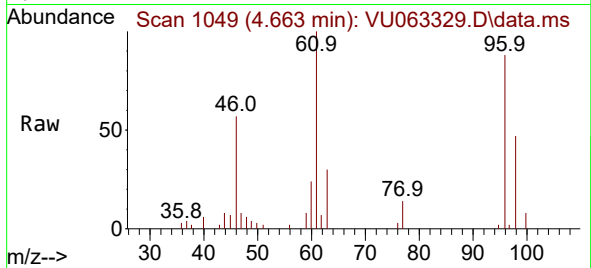




#22
 cis-1,2-Dichloroethene
 Concen: 1.01 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.010 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

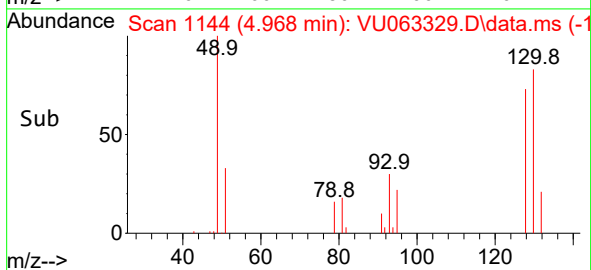
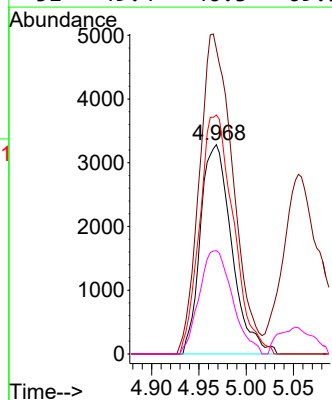
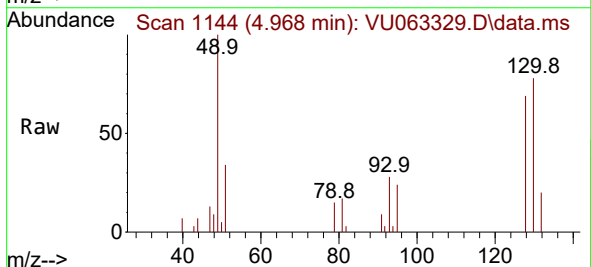
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001013

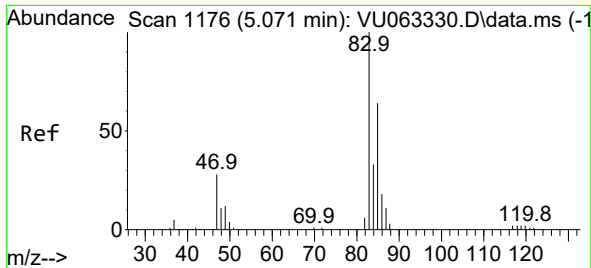
Tgt Ion: 96 Resp: 15237
 Ion Ratio Lower Upper
 96 100
 61 111.6 93.3 173.3
 98 51.9 45.4 84.4



#23
 Bromochloromethane
 Concen: 1.09 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

Tgt Ion: 128 Resp: 7568
 Ion Ratio Lower Upper
 128 100
 49 145.8 128.4 238.4
 130 114.2 91.3 169.6
 51 49.4 46.3 69.5





#25

Chloroform

Concen: 1.04 ug/L

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

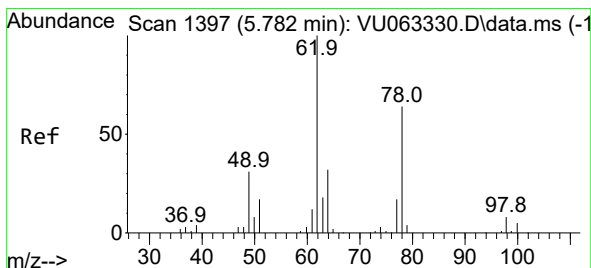
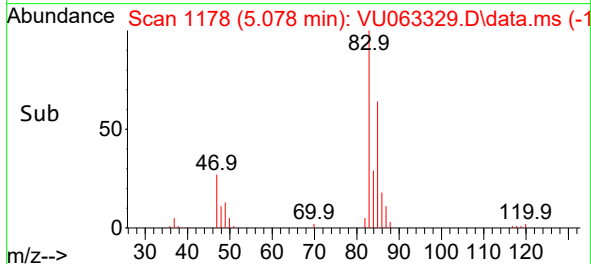
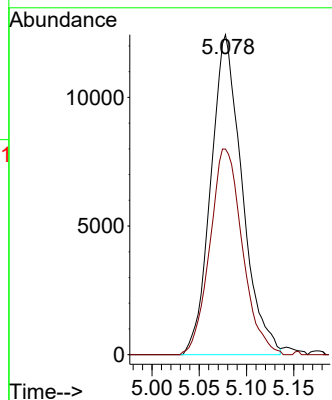
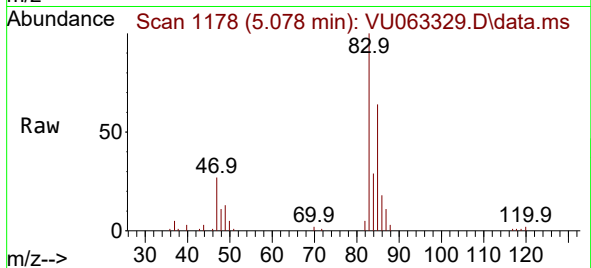
VSTD001013

Tgt Ion: 83 Resp: 28601

Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7



#27

1,2-Dichloroethane

Concen: 1.03 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU063329.D

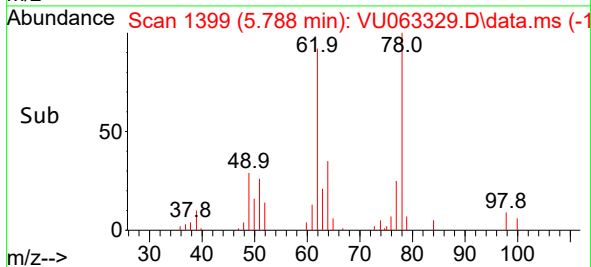
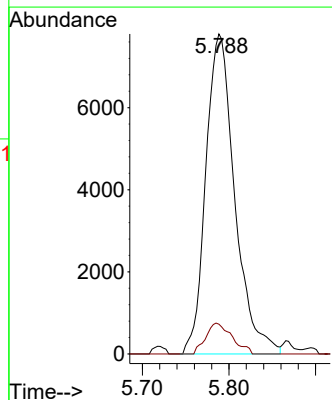
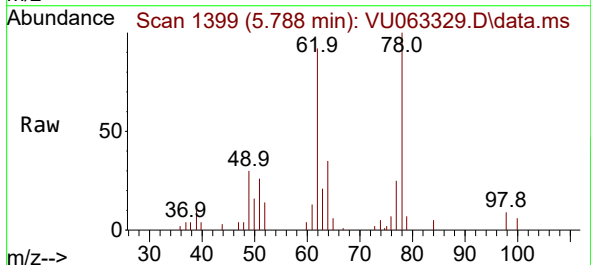
Acq: 03 Apr 2025 15:11

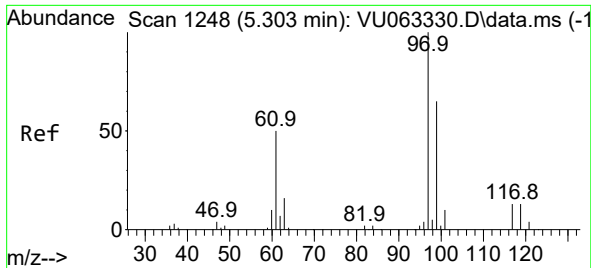
Tgt Ion: 62 Resp: 18118

Ion Ratio Lower Upper

62 100

98 9.3 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 1.04 ug/L

RT: 5.306 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD001013

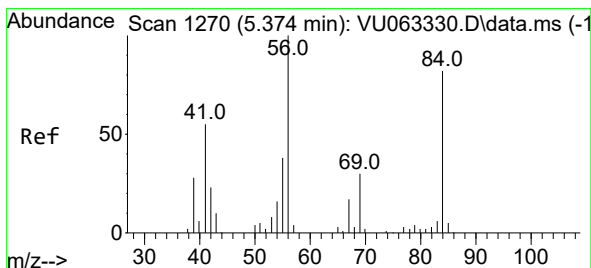
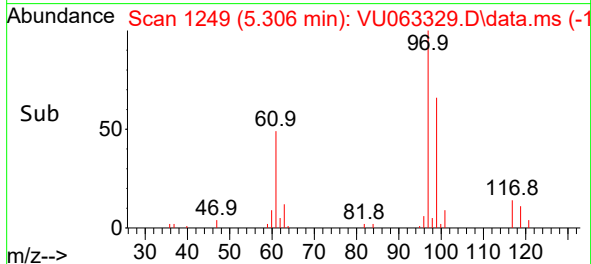
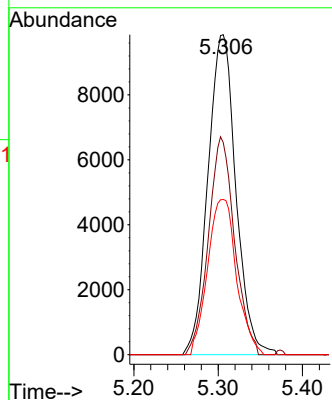
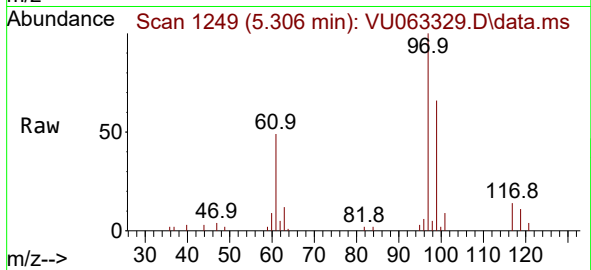
Tgt Ion: 97 Resp: 22717

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 50.1 39.0 58.6



#30

Cyclohexane

Concen: 0.92 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

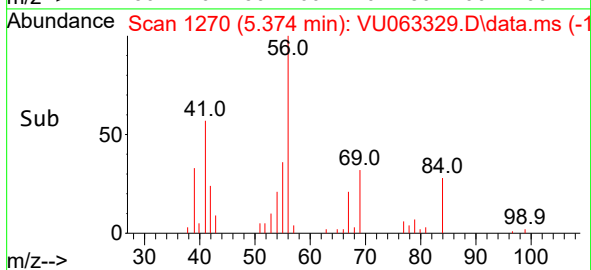
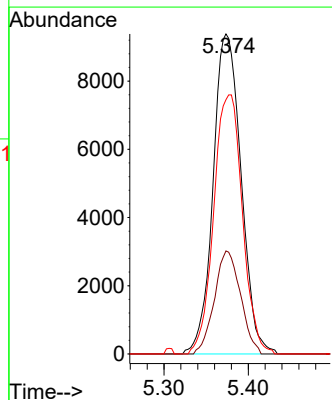
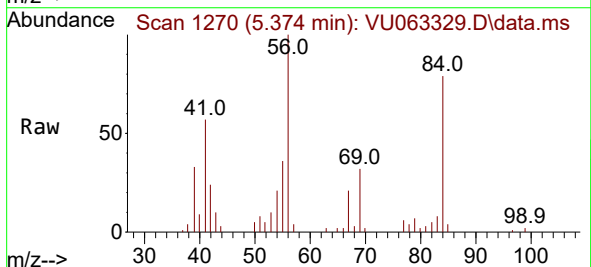
Tgt Ion: 56 Resp: 21650

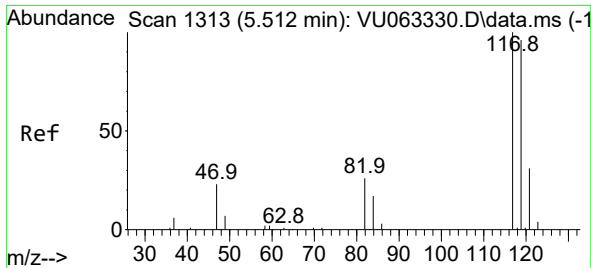
Ion Ratio Lower Upper

56 100

69 30.0 24.3 36.5

84 82.9 66.8 100.2

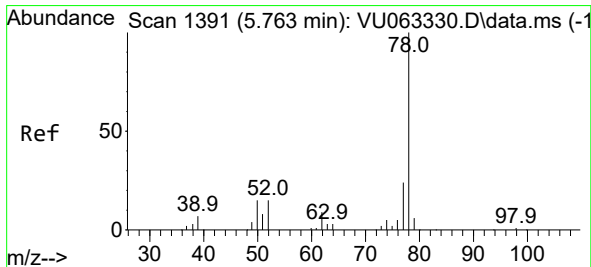
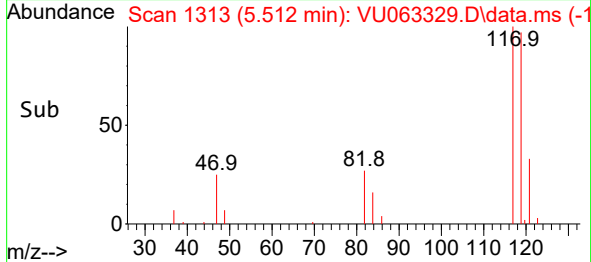
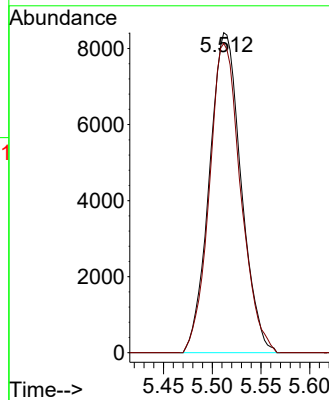
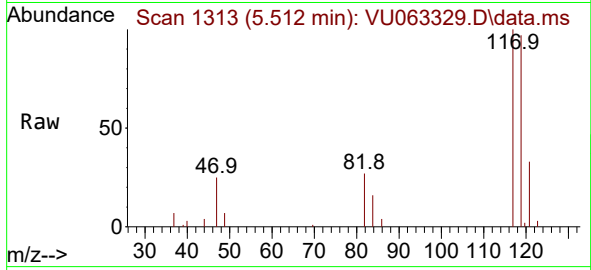




#31
Carbon tetrachloride
Concen: 1.01 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

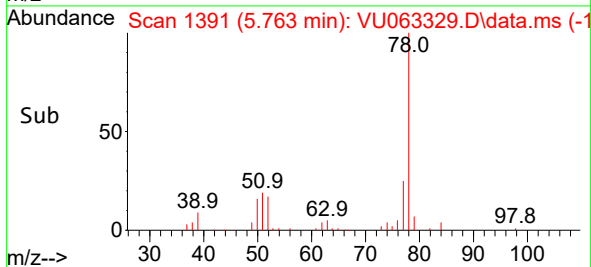
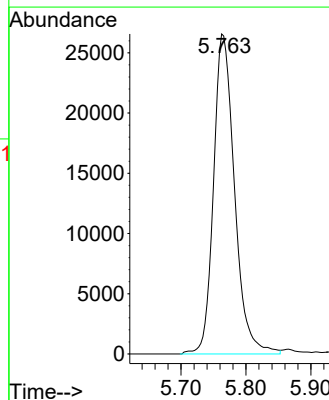
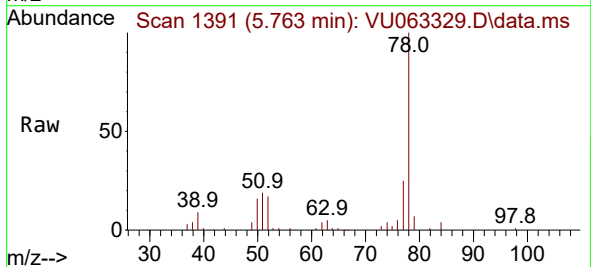
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

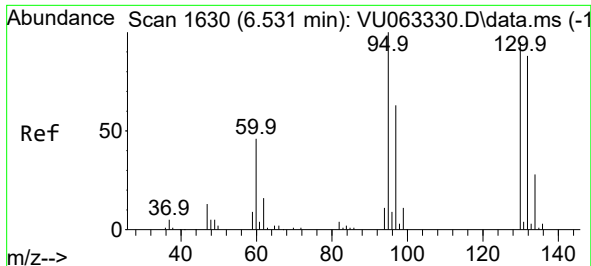
Tgt Ion:117 Resp: 19044
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7



#33
Benzene
Concen: 0.98 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 78 Resp: 59660



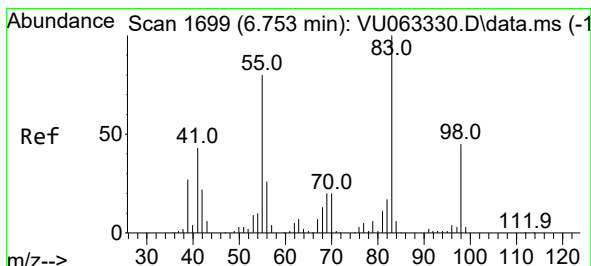
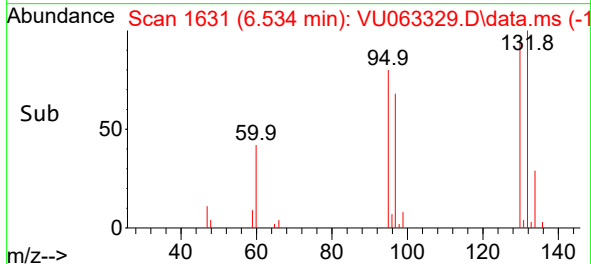
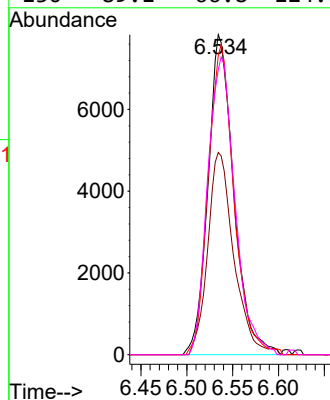
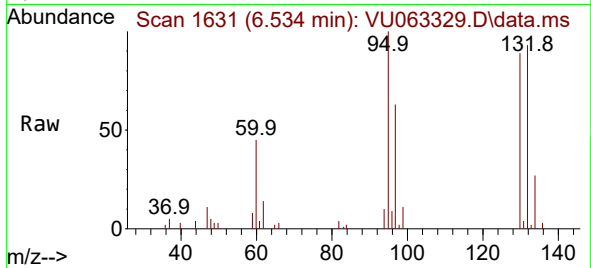


#34
Trichloroethene
Concen: 1.00 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Tgt Ion: 95 Resp: 15322

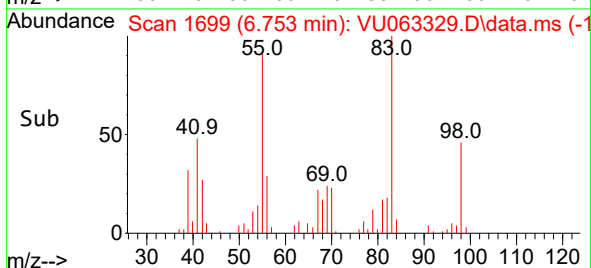
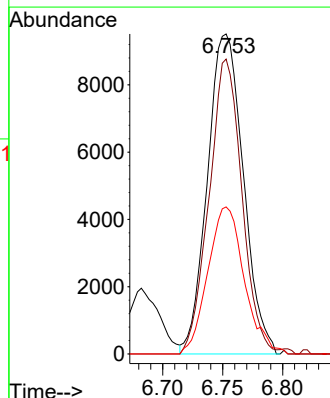
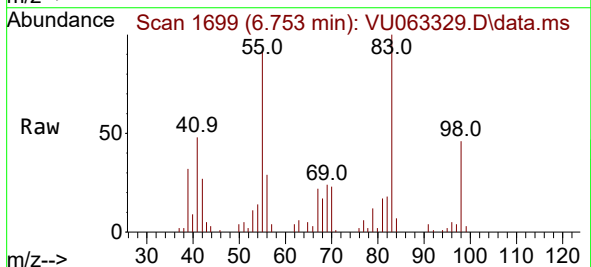
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.4	82.4
132	93.4	61.5	114.3
130	89.1	66.8	124.0

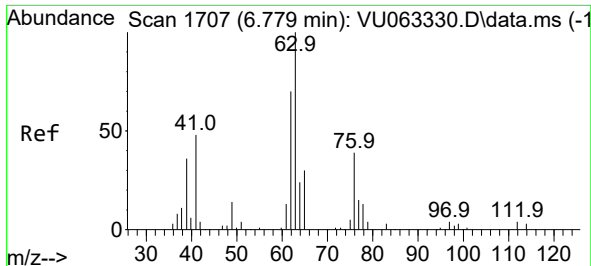


#35
Methylcyclohexane
Concen: 0.89 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 83 Resp: 19817

Ion	Ratio	Lower	Upper
83	100		
55	84.2	63.1	94.7
98	46.6	35.5	53.3





#37

1,2-Dichloropropane

Concen: 1.02 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

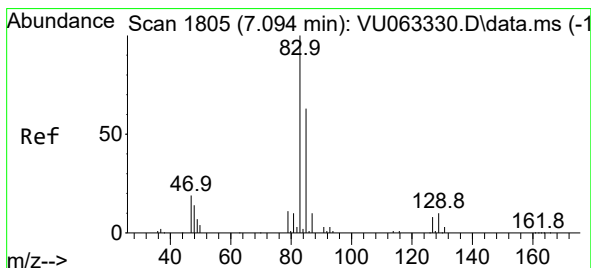
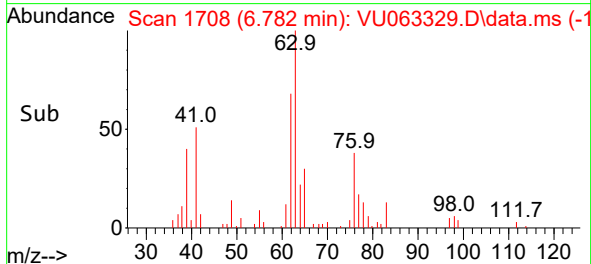
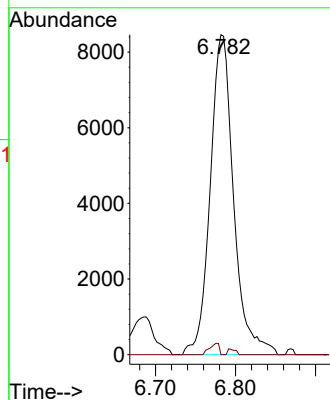
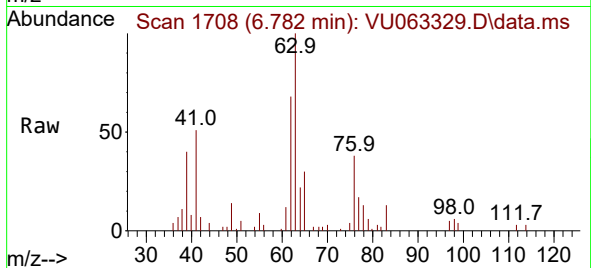
VSTD001013

Tgt Ion: 63 Resp: 17192

Ion Ratio Lower Upper

63 100

112 1.4 2.6 4.0#



#38

Bromodichloromethane

Concen: 1.06 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

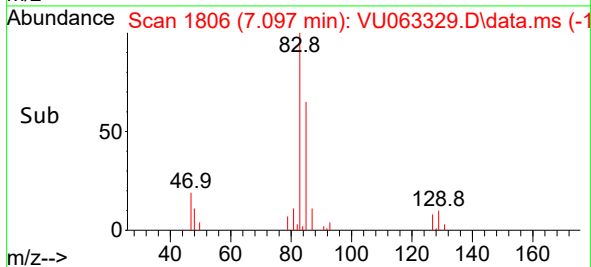
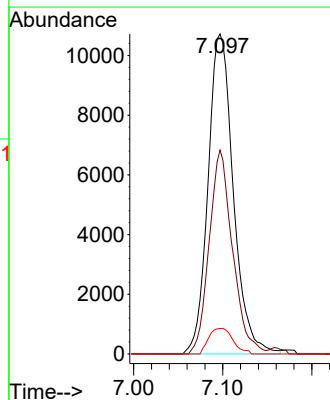
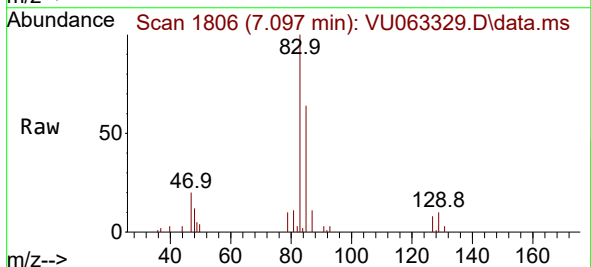
Tgt Ion: 83 Resp: 21173

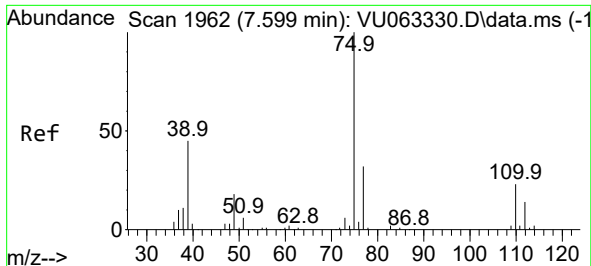
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 8.0 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 0.95 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

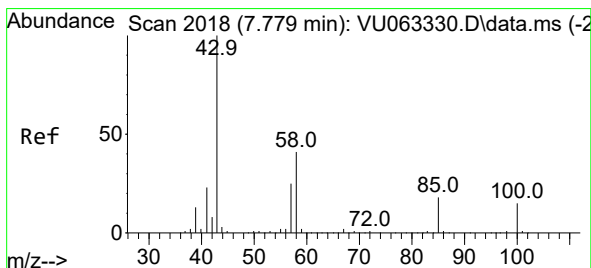
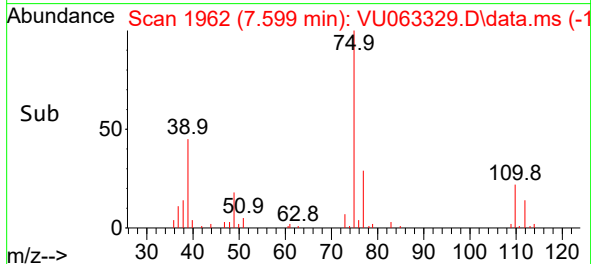
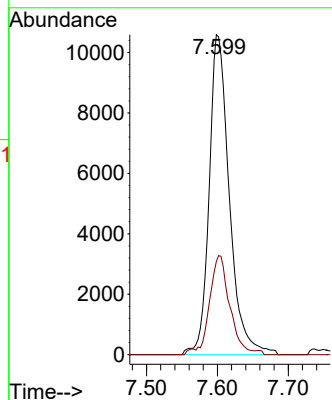
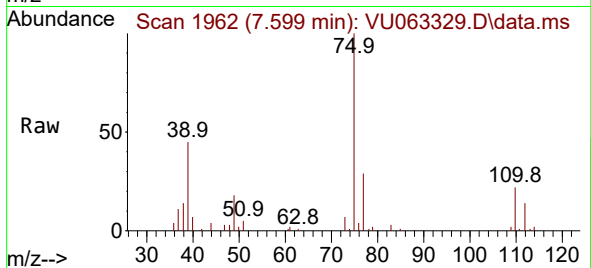
VSTD001013

Tgt Ion: 75 Resp: 20968

Ion Ratio Lower Upper

75 100

77 29.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 9.24 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

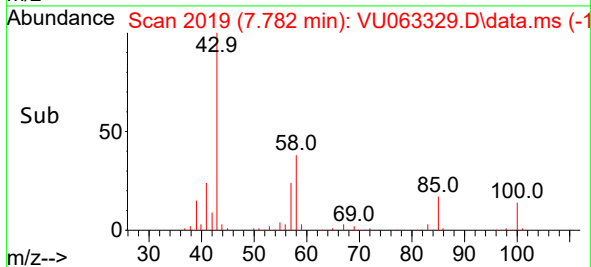
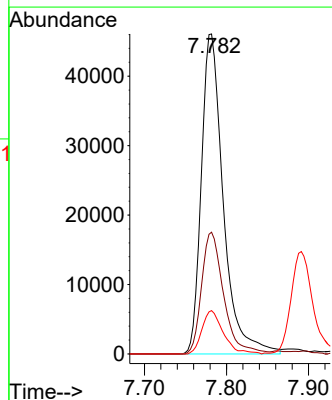
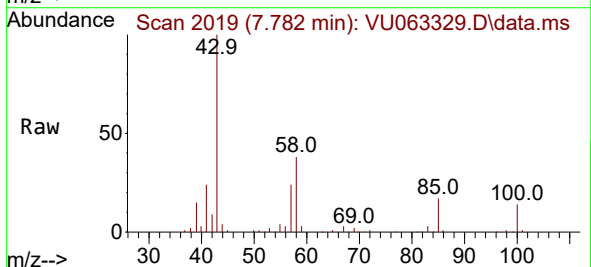
Tgt Ion: 43 Resp: 85637

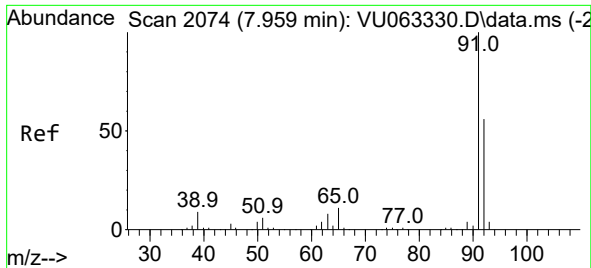
Ion Ratio Lower Upper

43 100

58 38.2 32.9 49.3

100 13.2 11.5 17.3





#42

Toluene

Concen: 0.95 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

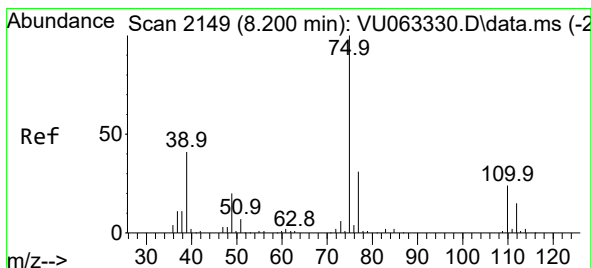
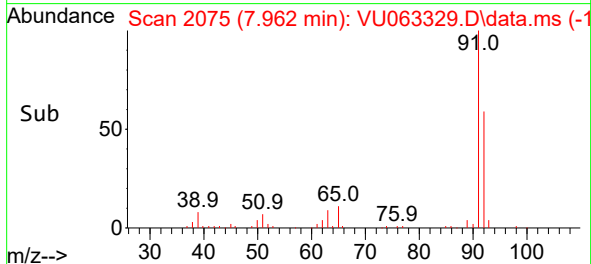
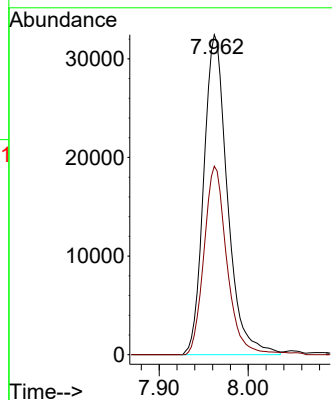
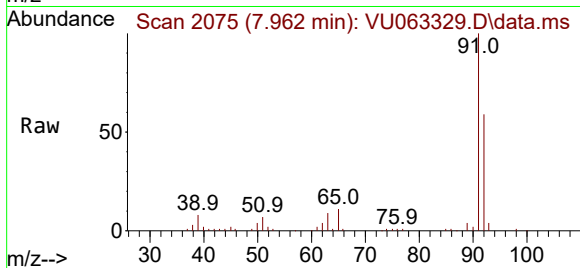
VSTD001013

Tgt Ion: 91 Resp: 59934

Ion Ratio Lower Upper

91 100

92 58.9 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 0.97 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063329.D

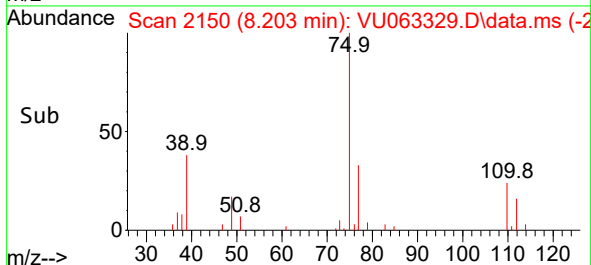
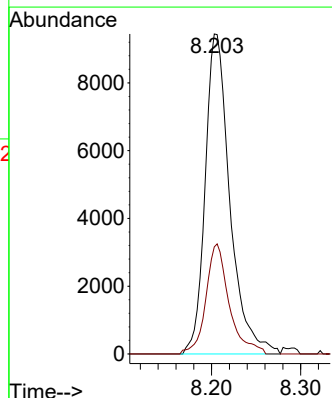
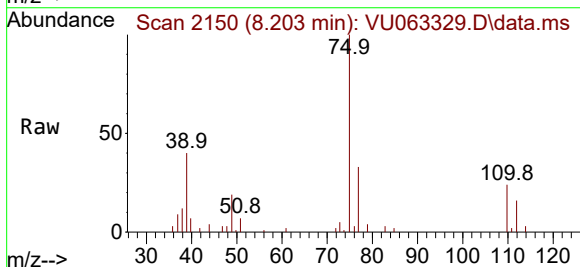
Acq: 03 Apr 2025 15:11

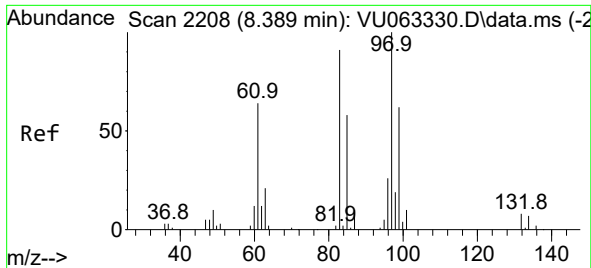
Tgt Ion: 75 Resp: 18209

Ion Ratio Lower Upper

75 100

77 33.5 21.8 40.6

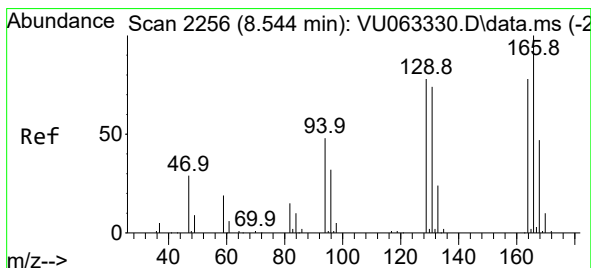
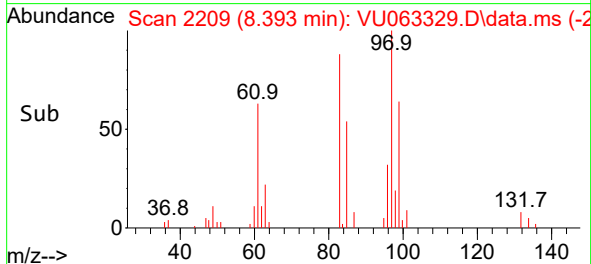
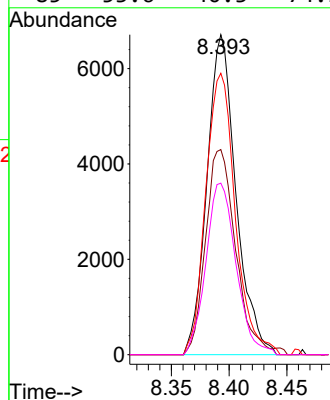
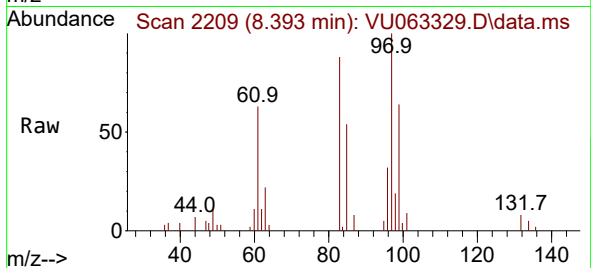




#45
1,1,2-Trichloroethane
Concen: 1.00 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

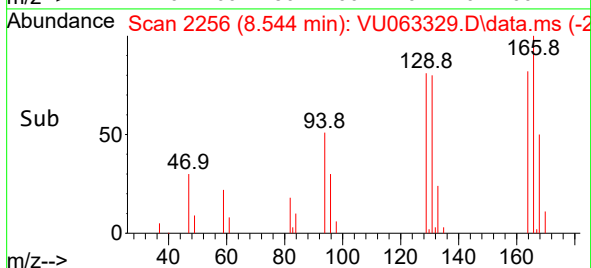
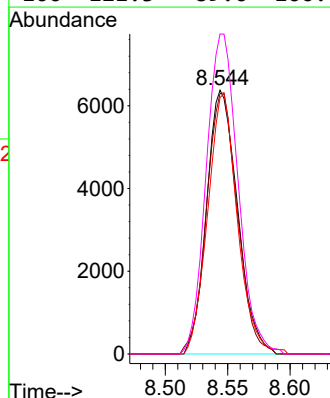
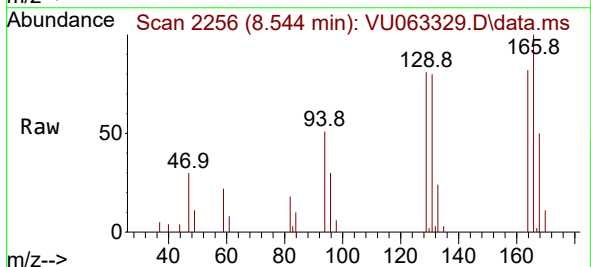
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

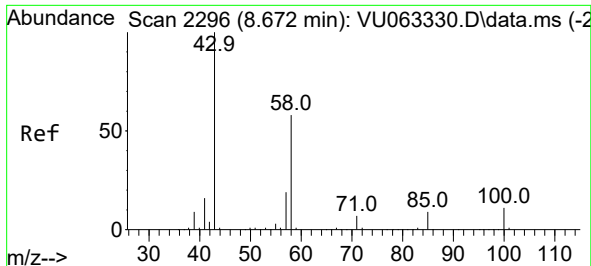
Tgt Ion:	97	Resp:	11750
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.8	81.3
83	88.0	63.5	117.9
85	53.6	40.3	74.9



#47
Tetrachloroethene
Concen: 1.01 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion:	164	Resp:	11023
Ion	Ratio	Lower	Upper
164	100		
129	98.8	69.9	129.9
131	97.3	66.1	122.7
166	121.3	89.6	166.4

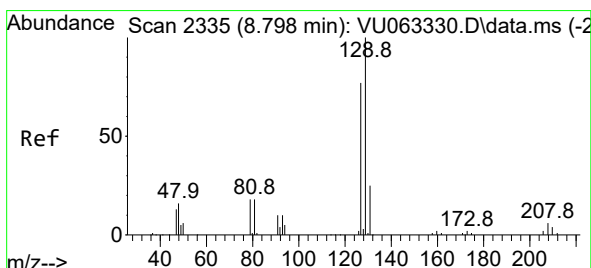
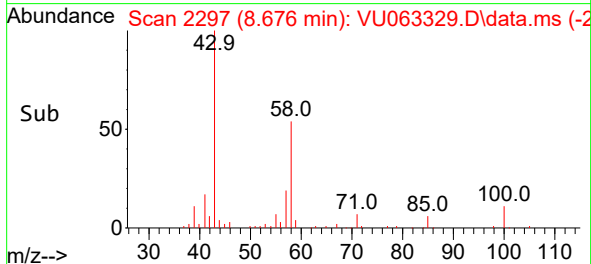
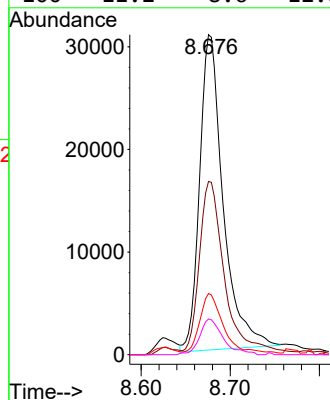
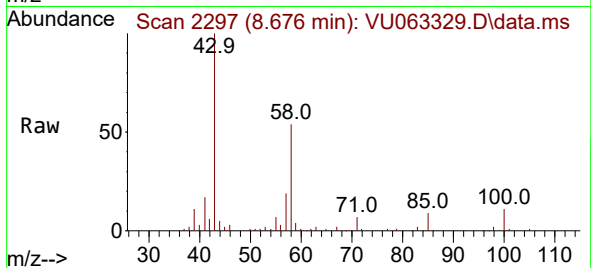




#48
2-Hexanone
Concen: 8.66 ug/L
RT: 8.676 min Scan# 2296
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

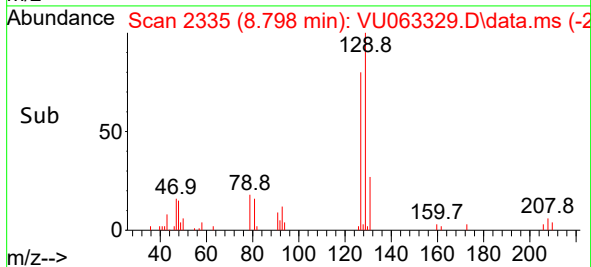
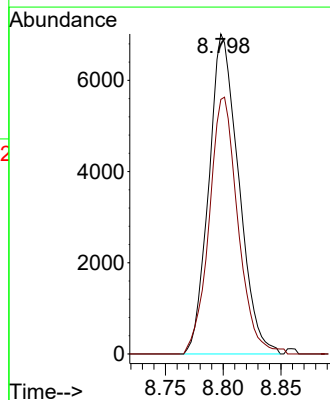
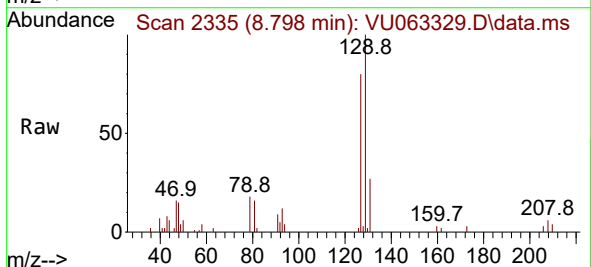
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

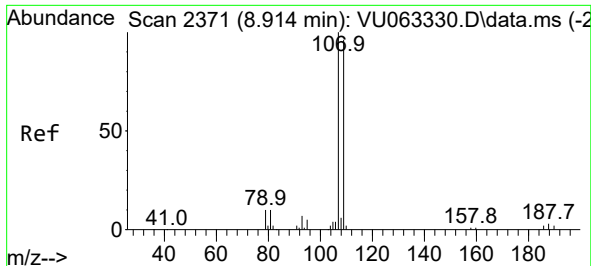
Tgt Ion: 43 Resp: 56510
Ion Ratio Lower Upper
43 100
58 57.3 45.7 68.5
57 17.3 15.2 22.8
100 11.2 8.6 12.8



#49
Dibromochloromethane
Concen: 1.00 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 129 Resp: 12616
Ion Ratio Lower Upper
129 100
127 79.6 53.8 100.0

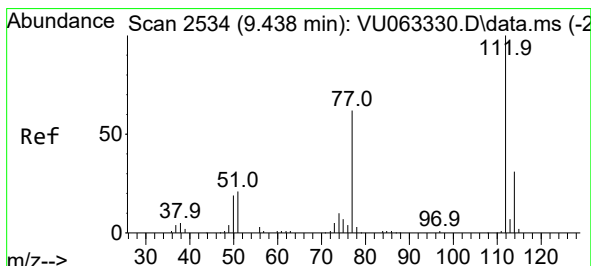
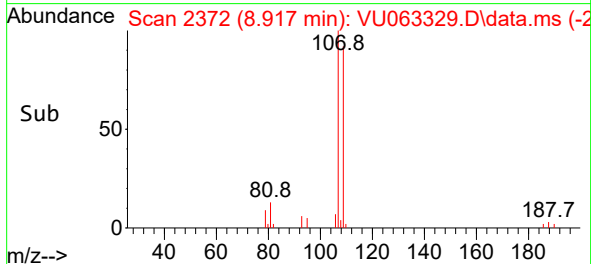
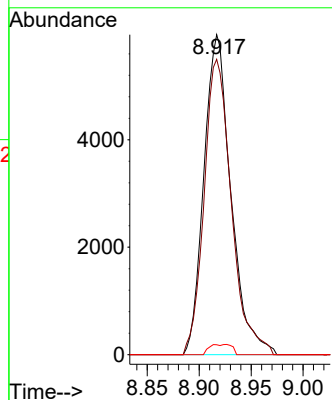
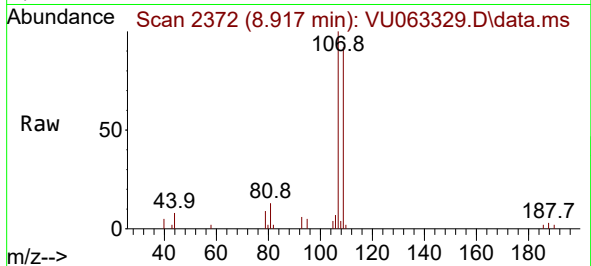




#50
1,2-Dibromoethane
Concen: 0.99 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

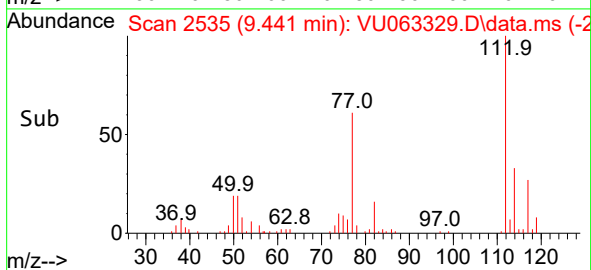
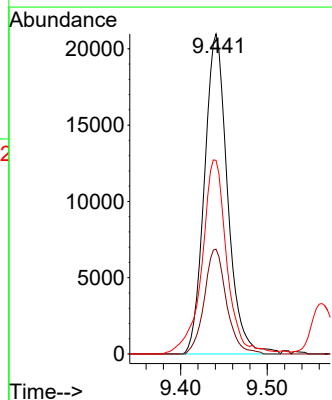
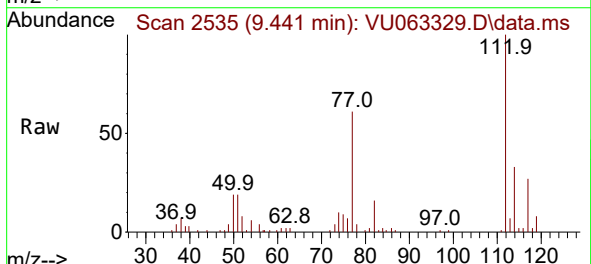
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

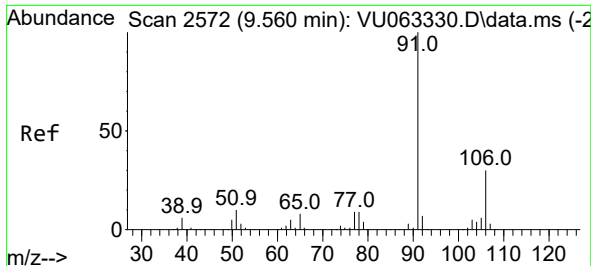
Tgt Ion:107 Resp: 10789
Ion Ratio Lower Upper
107 100
109 92.3 67.2 124.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 1.00 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion:112 Resp: 38818
Ion Ratio Lower Upper
112 100
114 32.7 21.7 40.3
77 60.5 49.8 74.6

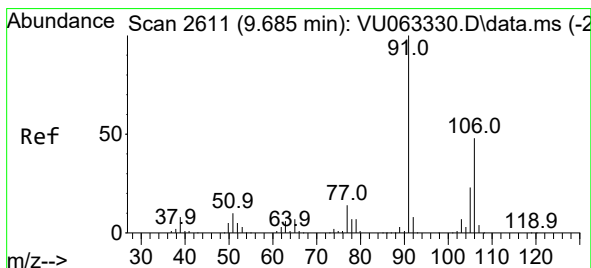
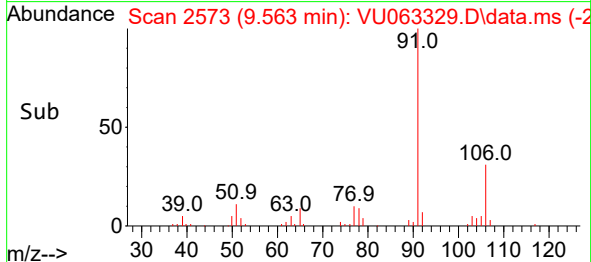
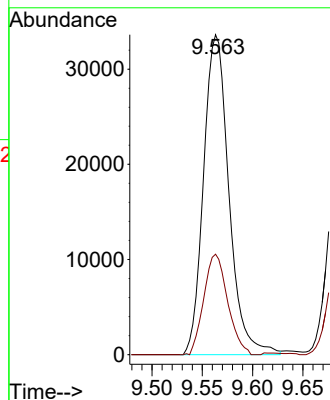
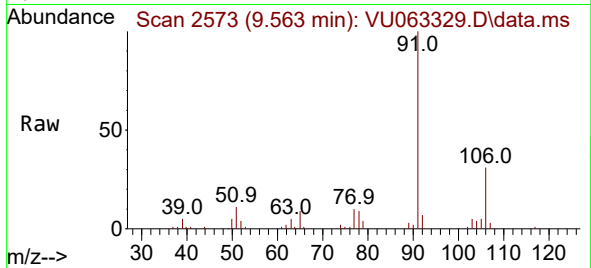




#52
Ethylbenzene
Concen: 0.92 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

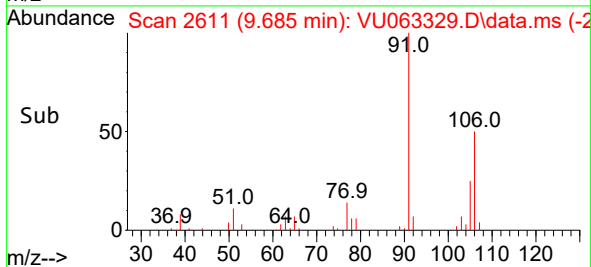
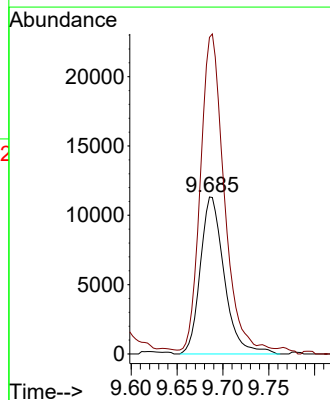
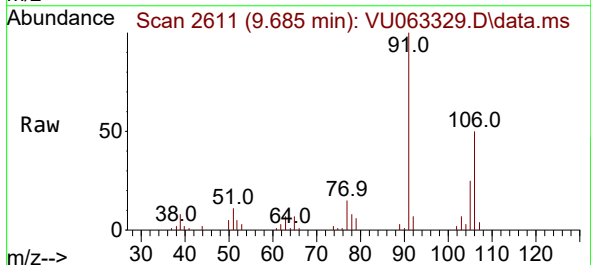
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

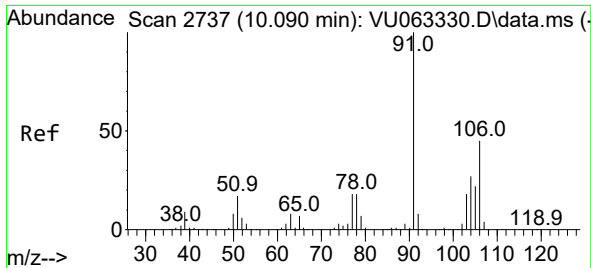
Tgt Ion: 91 Resp: 58973
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.1



#53
m,p-Xylene
Concen: 0.88 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 106 Resp: 20580
Ion Ratio Lower Upper
106 100
91 201.6 146.3 271.7

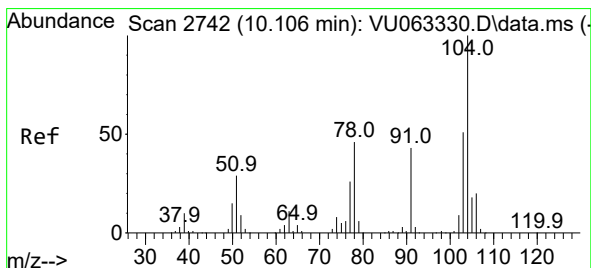
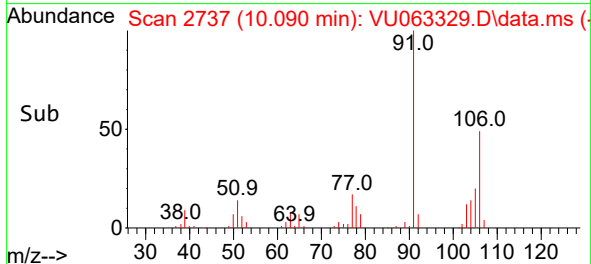
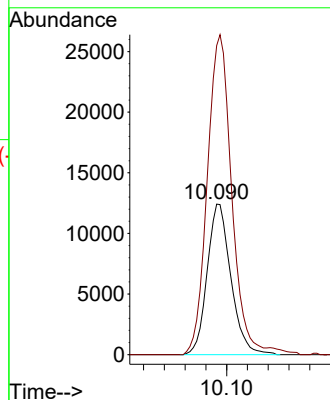
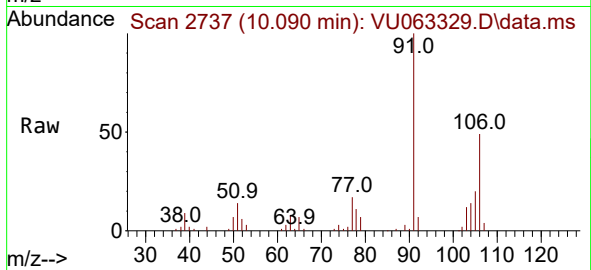




#54
o-Xylene
Concen: 0.88 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

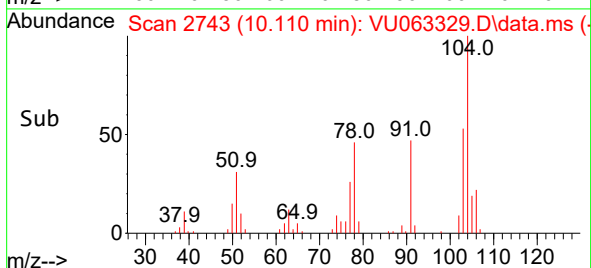
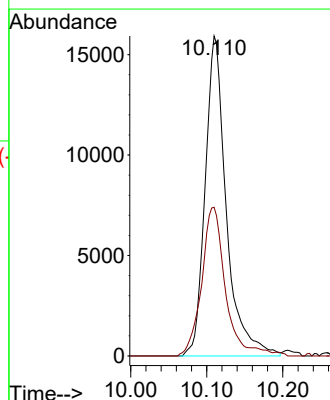
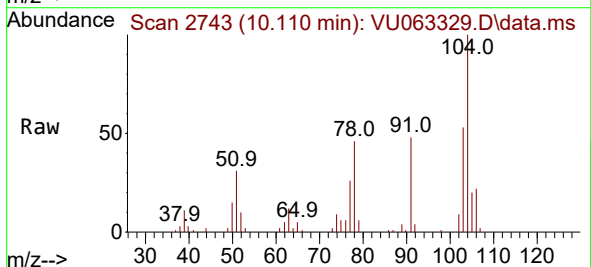
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

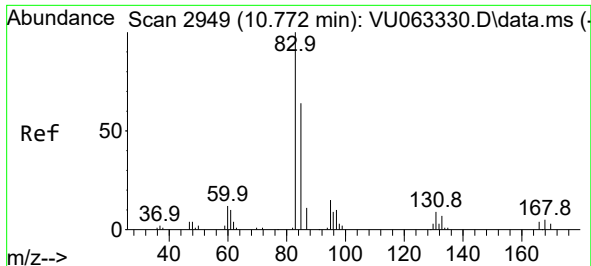
Tgt Ion:106 Resp: 19665
Ion Ratio Lower Upper
106 100
91 205.4 155.6 289.0



#55
Styrene
Concen: 0.83 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion:104 Resp: 30798
Ion Ratio Lower Upper
104 100
78 46.4 32.1 59.5

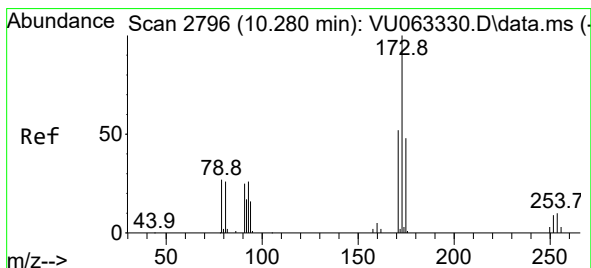
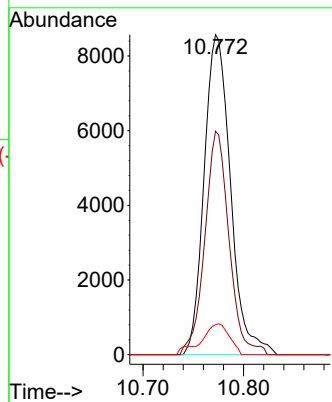
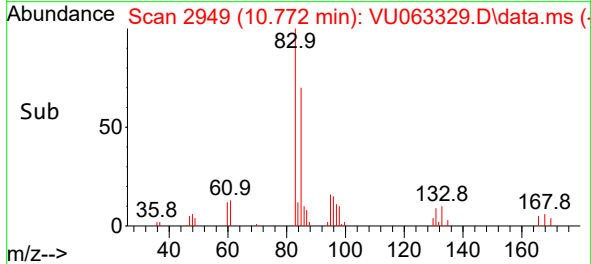
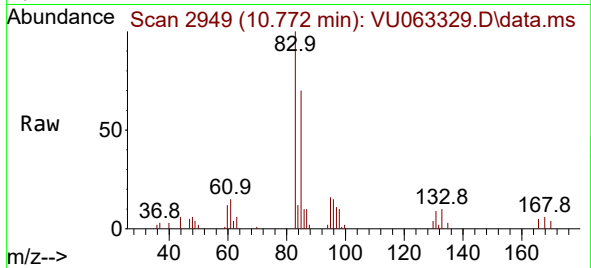




#57
1,1,2,2-Tetrachloroethane
Concen: 1.02 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

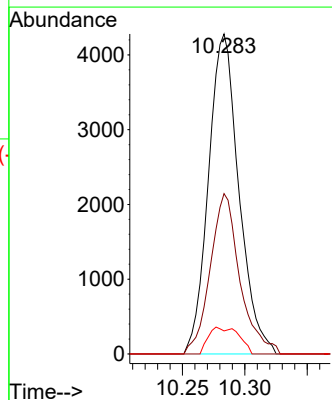
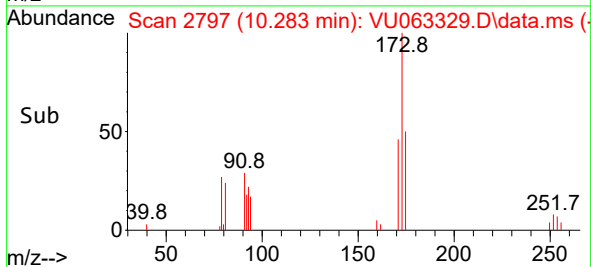
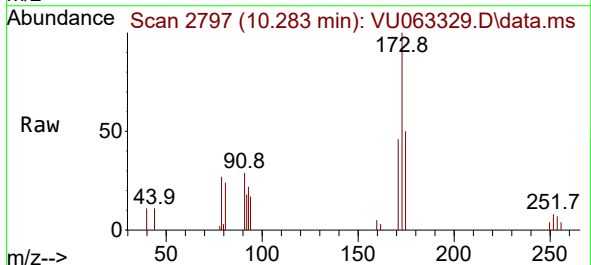
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

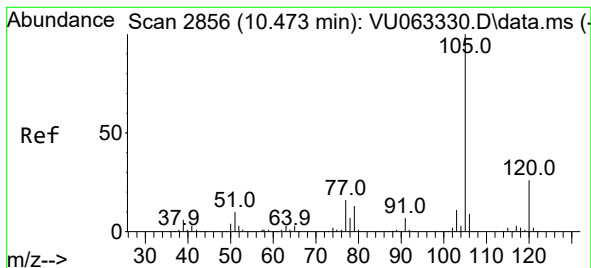
Tgt Ion: 83 Resp: 15660
Ion Ratio Lower Upper
83 100
85 69.9 45.0 83.6
131 9.4 7.1 10.7



#59
Bromoform
Concen: 1.08 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion: 173 Resp: 7260
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.0
254 4.4 7.2 10.8#





#60

Isopropylbenzene

Concen: 0.97 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD001013

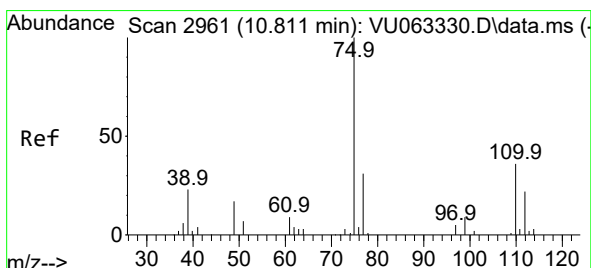
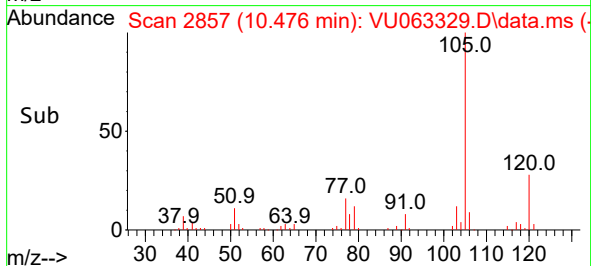
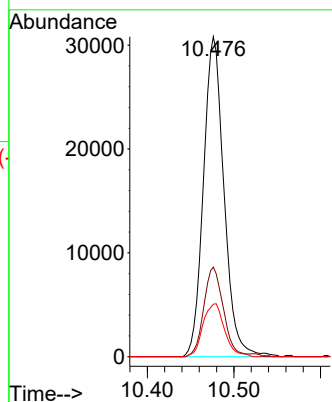
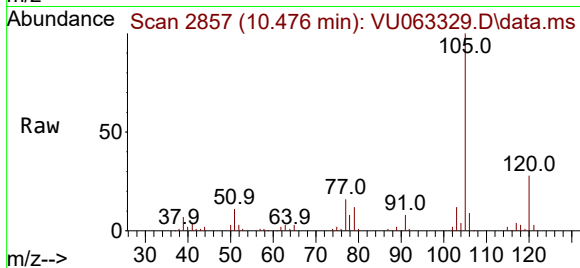
Tgt Ion:105 Resp: 50806

Ion Ratio Lower Upper

105 100

120 26.7 20.7 31.1

77 17.3 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 1.07 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.006 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

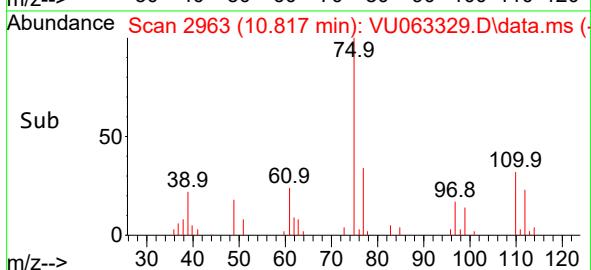
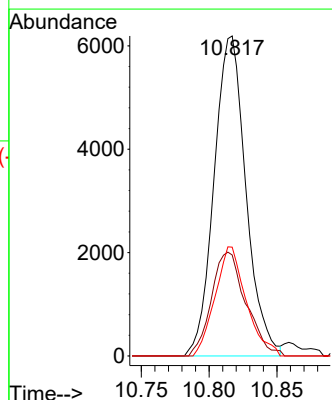
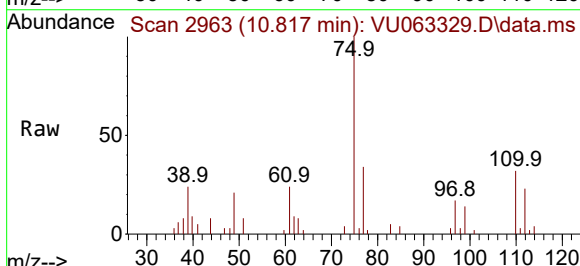
Tgt Ion: 75 Resp: 10123

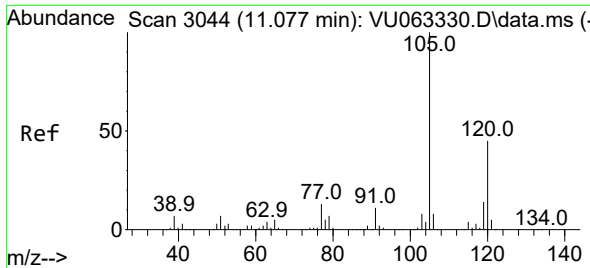
Ion Ratio Lower Upper

75 100

110 35.1 27.0 40.6

77 33.4 25.7 38.5

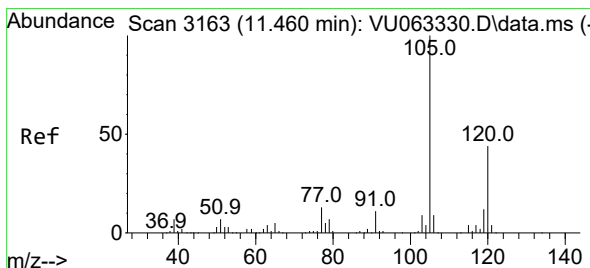
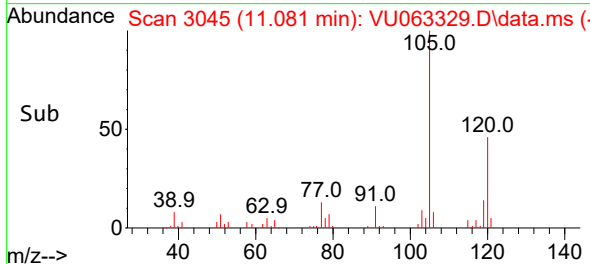
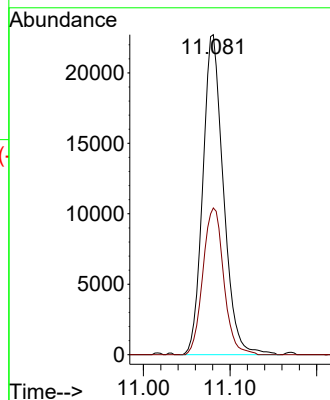
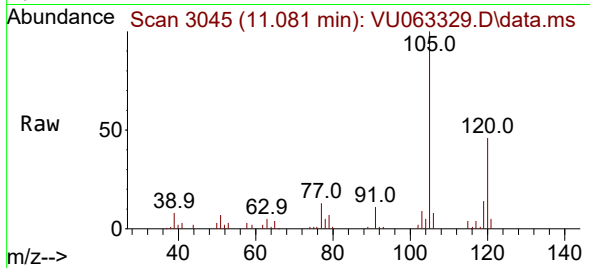




#62
 1,3,5-Trimethylbenzene
 Concen: 0.92 ug/L
 RT: 11.081 min Scan# 3044
 Delta R.T. 0.003 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

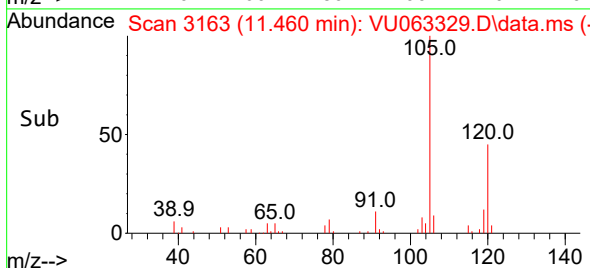
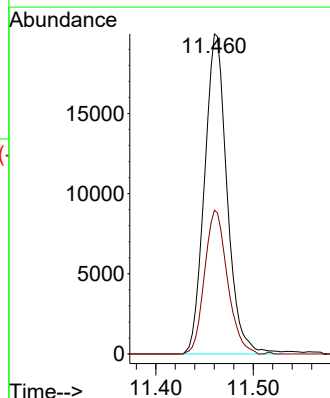
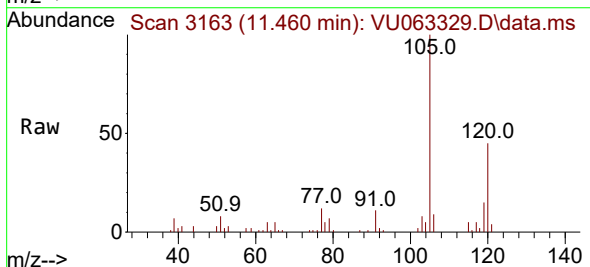
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001013

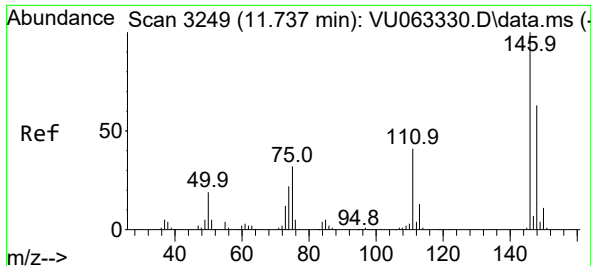
Tgt Ion:105 Resp: 37554
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.84 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VU063329.D
 Acq: 03 Apr 2025 15:11

Tgt Ion:105 Resp: 32102
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.0 52.6

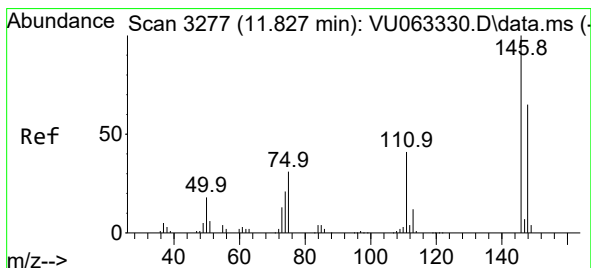
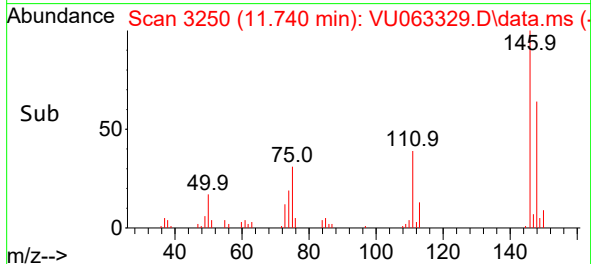
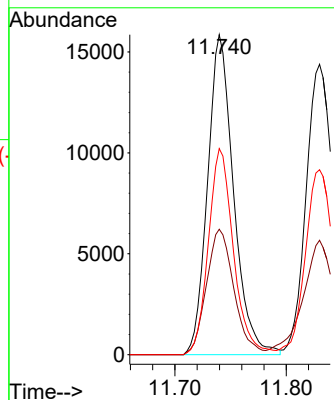
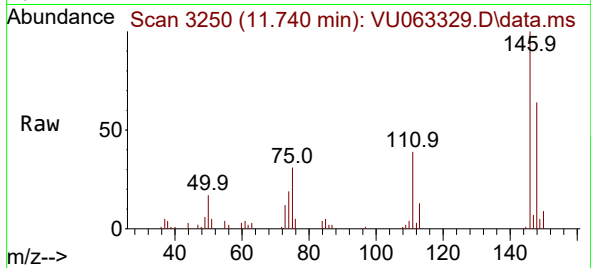




#64
1,3-Dichlorobenzene
Concen: 1.03 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

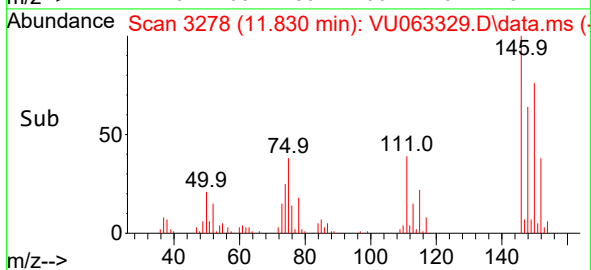
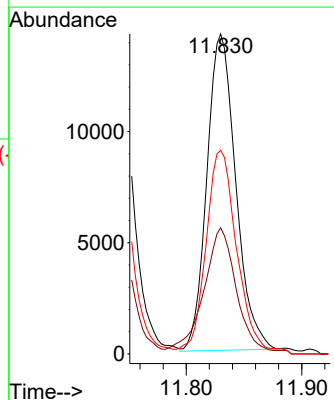
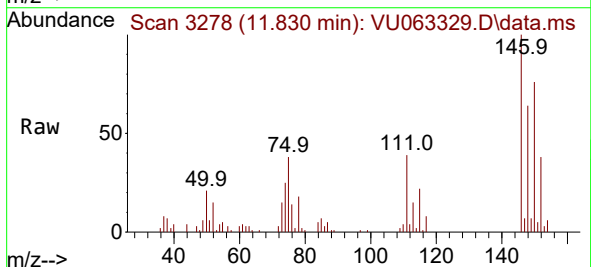
Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

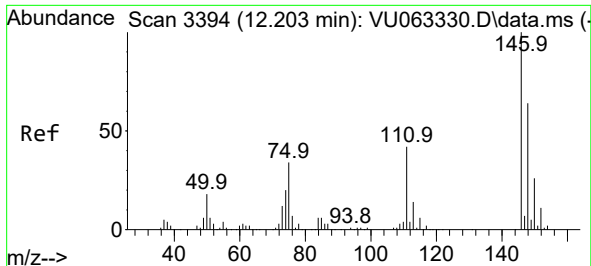
Tgt Ion:146 Resp: 25734
Ion Ratio Lower Upper
146 100
111 39.2 28.4 52.8
148 64.4 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 0.99 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063329.D
Acq: 03 Apr 2025 15:11

Tgt Ion:146 Resp: 24758
Ion Ratio Lower Upper
146 100
111 39.4 28.8 53.6
148 63.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 1.02 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD001013

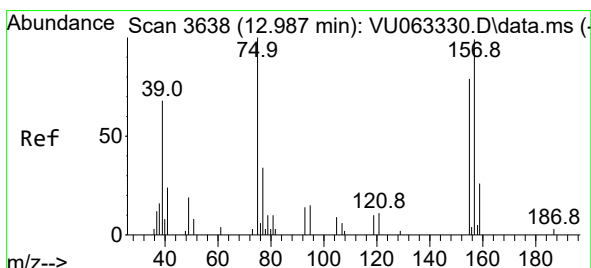
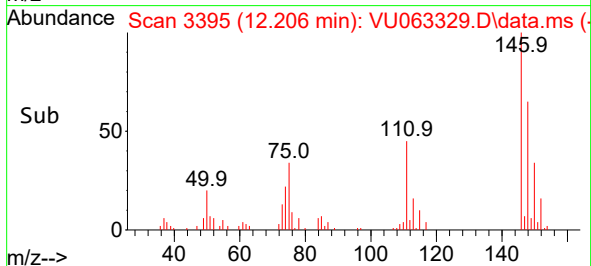
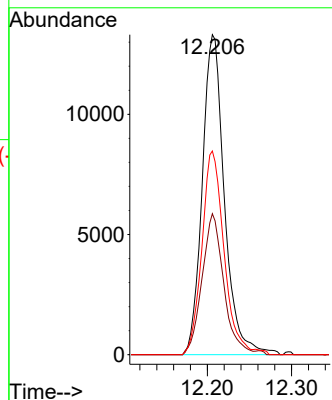
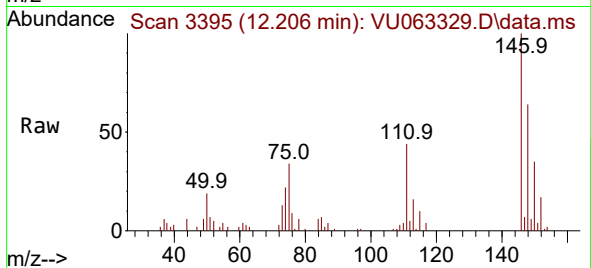
Tgt Ion:146 Resp: 24373

Ion Ratio Lower Upper

146 100

111 44.0 33.8 50.8

148 63.6 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 1.07 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

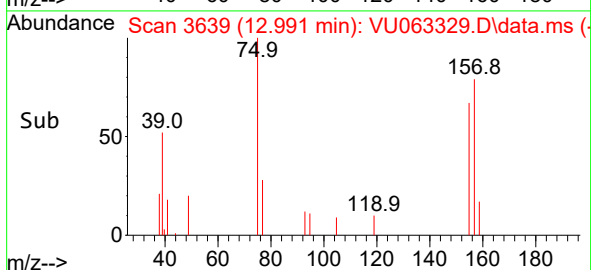
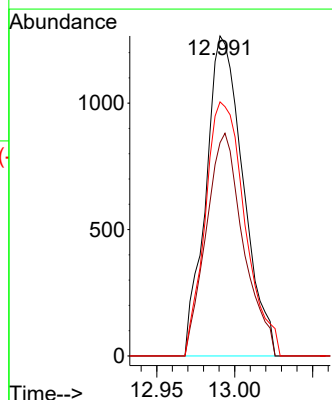
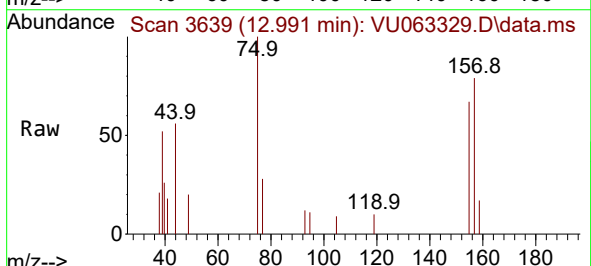
Tgt Ion: 75 Resp: 2104

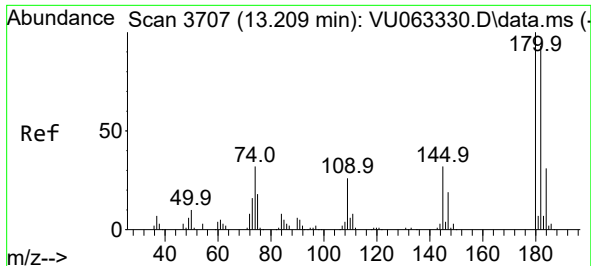
Ion Ratio Lower Upper

75 100

155 66.7 63.6 95.4

157 79.4 78.9 118.3





#69

1,3,5-Trichlorobenzene

Concen: 1.03 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063329.D

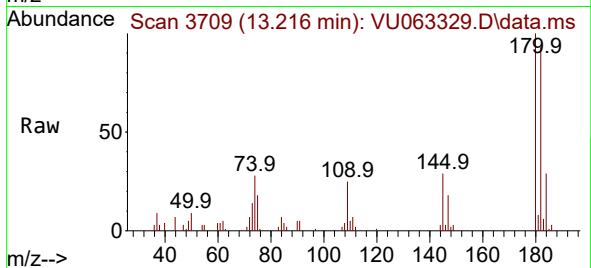
Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD001013



Tgt Ion:180 Resp: 17465

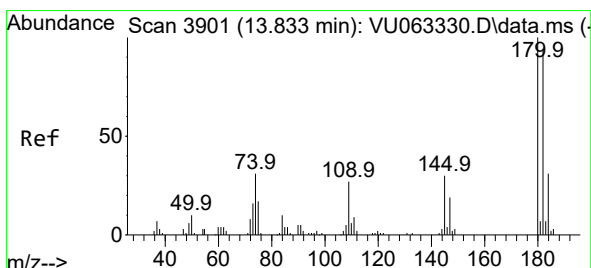
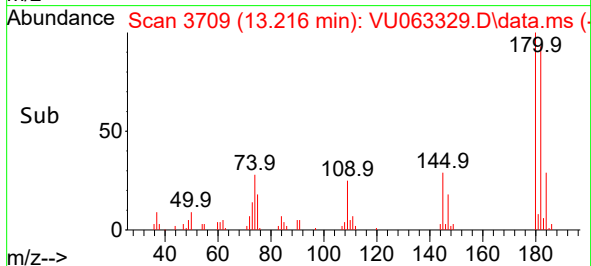
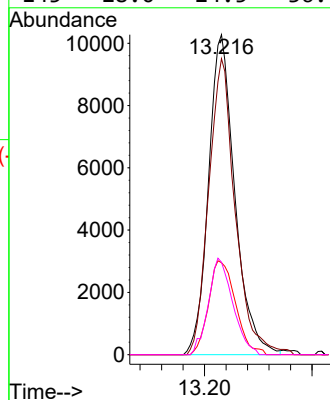
Ion Ratio Lower Upper

180 100

182 93.0 75.8 113.6

184 30.0 24.6 37.0

145 28.0 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 0.94 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

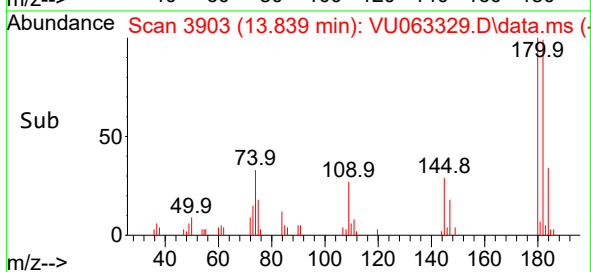
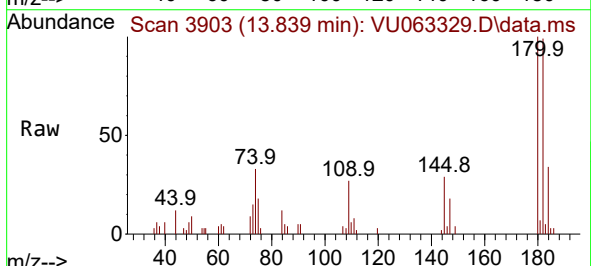
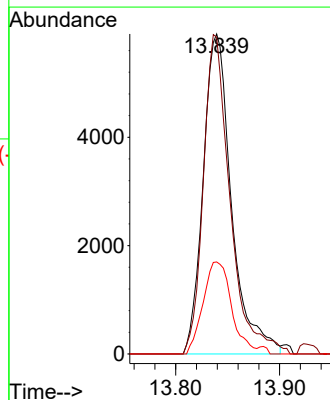
Tgt Ion:180 Resp: 11189

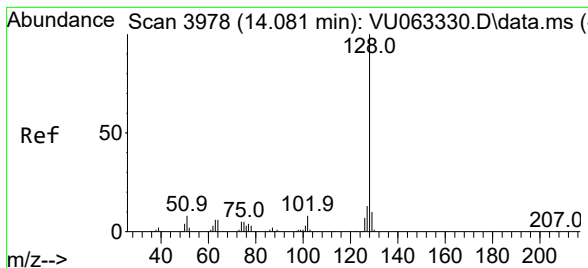
Ion Ratio Lower Upper

180 100

182 94.0 76.7 115.1

145 28.9 24.5 36.7





#71

Naphthalene

Concen: 0.78 ug/L

RT: 14.090 min Scan# 3978

Delta R.T. 0.010 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD001013

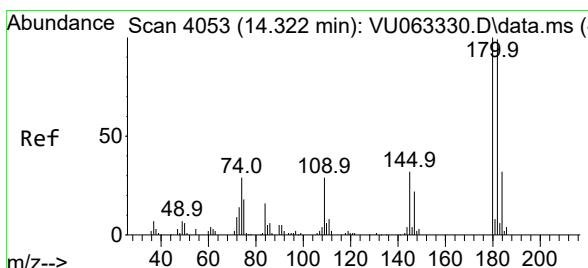
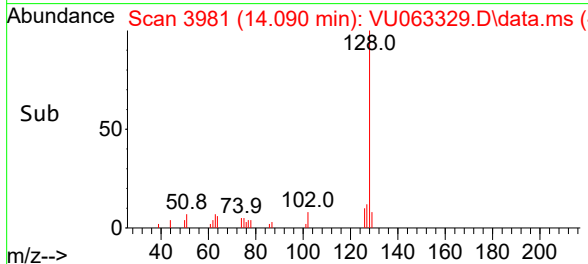
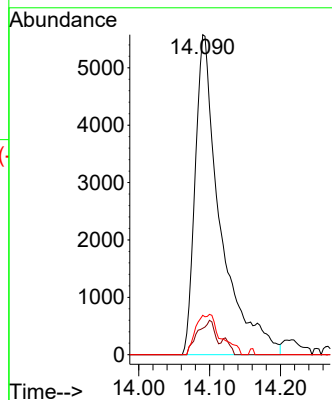
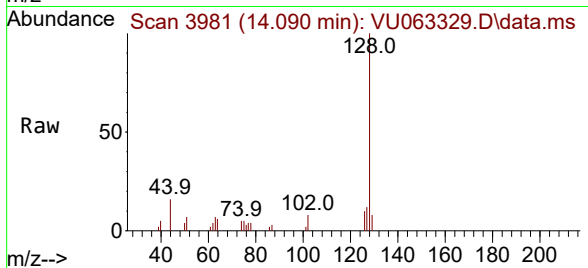
Tgt Ion:128 Resp: 13700

Ion Ratio Lower Upper

128 100

129 7.5 8.5 12.7#

127 12.5 9.9 14.9



#72

1,2,3-Trichlorobenzene

Concen: 0.90 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU063329.D

Acq: 03 Apr 2025 15:11

Tgt Ion:180 Resp: 9551

Ion Ratio Lower Upper

180 100

182 98.2 77.3 115.9

145 31.9 26.8 40.2

