

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040325\
 Data File : VU063328.D
 Acq On : 03 Apr 2025 14:46
 Operator : MD/SY
 Sample : VSTD0.512
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

Quant Time: Apr 04 09:11:52 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	175664	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	177011	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72114	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	6311	0.52	ug/L	0.00
7) Chloroethane-d5	1.901	69	5830	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	2830	0.51	ug/L	0.00
20) 2-Butanone-d5	4.637	46	16274m	4.71	ug/L	0.03
24) Chloroform-d	5.052	84	13236	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	6308	0.47	ug/L	0.00
32) Benzene-d6	5.721	84	25016m	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	8217	0.48	ug/L	0.00
41) Toluene-d8	7.891	98	20039m	0.44	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2115	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	9230m	3.55	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	6980	0.48	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	6302	0.49	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.380	85	9882	0.55	ug/L	Qvalue 100
3) Chloromethane	1.518	50	11388	0.56	ug/L	99
5) Vinyl chloride	1.599	62	11321	0.56	ug/L	100
6) Bromomethane	1.846	94	5601	0.52	ug/L	87
8) Chloroethane	1.924	64	6516	0.56	ug/L	98
9) Trichlorofluoromethane	2.129	101	11348	0.53	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	6973	0.54	ug/L	98
12) 1,1-Dichloroethene	2.570	96	6667	0.54	ug/L	90
13) Acetone	2.621	43	12783	5.49	ug/L	96
14) Carbon disulfide	2.782	76	24054	0.54	ug/L	99
15) Methyl Acetate	2.956	43	3361	0.55	ug/L	92
16) Methylene chloride	3.033	84	9497	0.60	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	15978	0.51	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	6915	0.52	ug/L	98
19) 1,1-Dichloroethane	3.859	63	14640	0.54	ug/L	99
21) 2-Butanone	4.711	43	16014	4.36	ug/L #	65
22) cis-1,2-Dichloroethene	4.660	96	7458	0.50	ug/L	91
23) Bromochloromethane	4.968	128	3629	0.53	ug/L	94
25) Chloroform	5.078	83	14895	0.55	ug/L	92
27) 1,2-Dichloroethane	5.792	62	8928	0.51	ug/L #	95
29) 1,1,1-Trichloroethane	5.306	97	11129	0.51	ug/L	99
30) Cyclohexane	5.374	56	10931	0.47	ug/L	98
31) Carbon tetrachloride	5.515	117	9841	0.53	ug/L	97
33) Benzene	5.769	78	30229	0.50	ug/L	100
34) Trichloroethene	6.537	95	7991	0.53	ug/L	84
35) Methylcyclohexane	6.756	83	10324	0.47	ug/L	95
37) 1,2-Dichloropropane	6.785	63	8407	0.51	ug/L #	96
38) Bromodichloromethane	7.100	83	10260	0.52	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	10562	0.48	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	40311	4.39	ug/L	97
42) Toluene	7.962	91	28821	0.46	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	8578	0.46	ug/L	97

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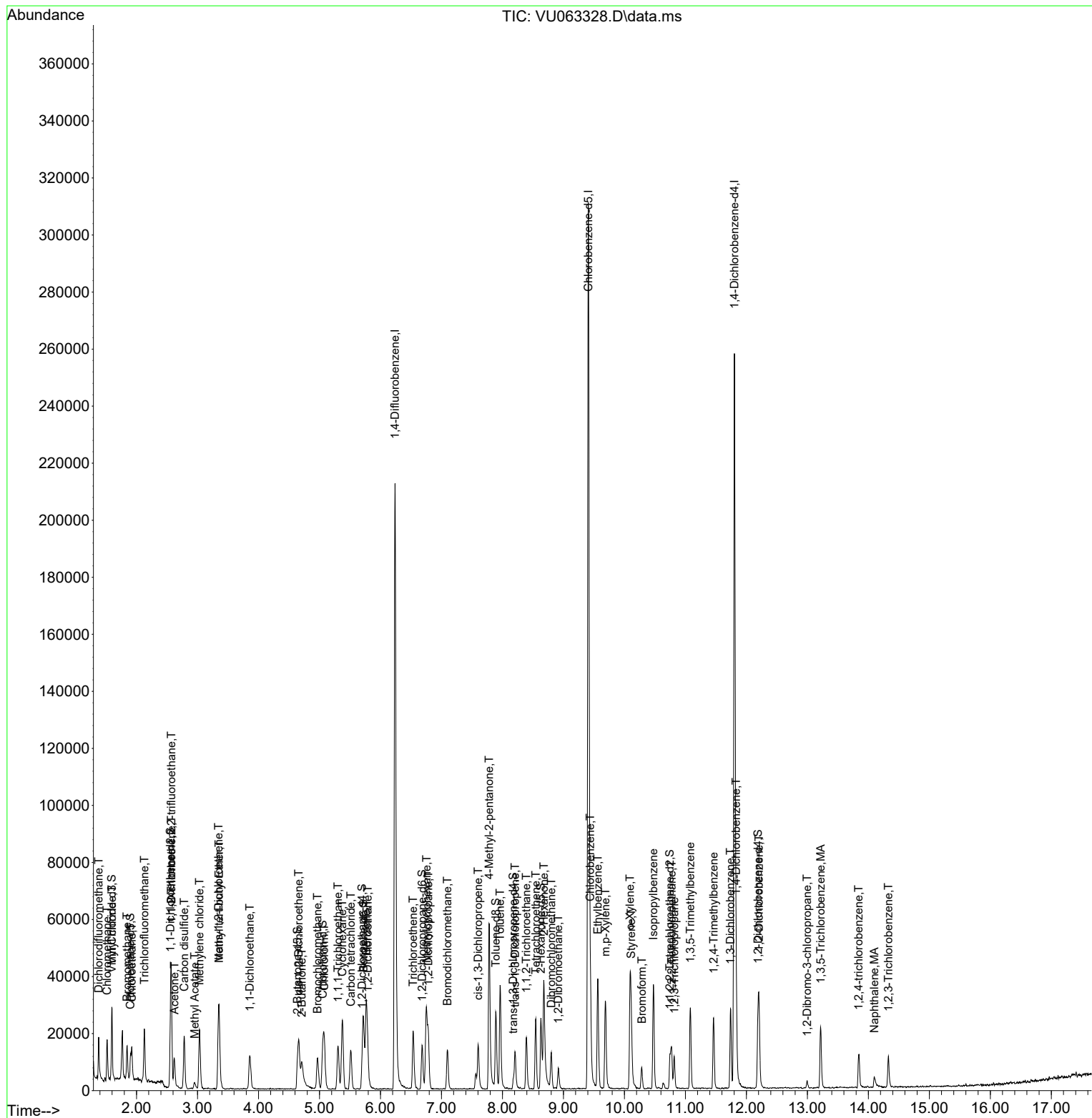
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	5939	0.51	ug/L	96
47) Tetrachloroethene	8.547	164	5569	0.51	ug/L	90
48) 2-Hexanone	8.679	43	26701	4.13	ug/L #	98
49) Dibromochloromethane	8.801	129	6271	0.50	ug/L	100
50) 1,2-Dibromoethane	8.917	107	5295	0.49	ug/L #	99
51) Chlorobenzene	9.441	112	19982	0.52	ug/L	94
52) Ethylbenzene	9.563	91	28058	0.44	ug/L	96
53) m,p-Xylene	9.688	106	9553	0.41	ug/L	98
54) o-Xylene	10.094	106	9239	0.42	ug/L	97
55) Styrene	10.113	104	14076m	0.38	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.775	83	7445	0.49	ug/L	93
59) Bromoform	10.287	173	3607	0.56	ug/L	95
60) Isopropylbenzene	10.476	105	23342	0.46	ug/L	96
61) 1,2,3-Trichloropropane	10.820	75	5118	0.57	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	17520	0.45	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	14347	0.39	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	12346	0.51	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	12840	0.54	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	12159	0.53	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.997	75	1040	0.55	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.219	180	8167	0.50	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	4850	0.42	ug/L	99
71) Naphthalene	14.100	128	5916	0.35	ug/L #	89
72) 1,2,3-Trichlorobenzene	14.328	180	4263	0.42	ug/L	97

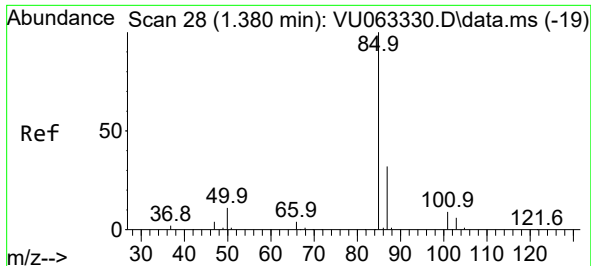
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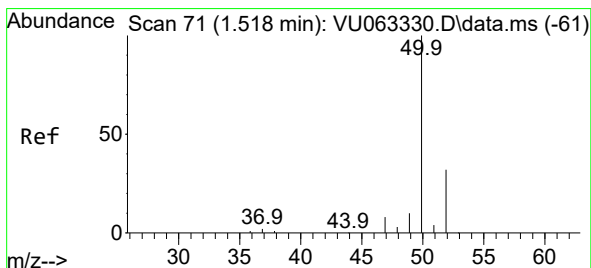
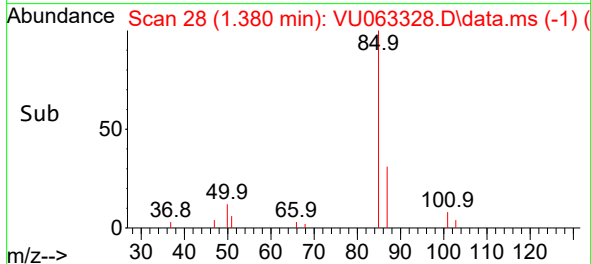
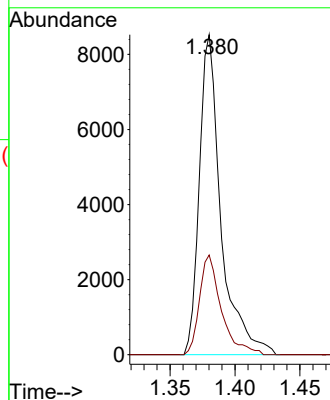
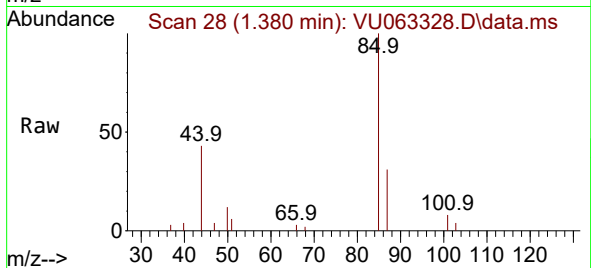




#2
Dichlorodifluoromethane
Concen: 0.55 ug/L
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

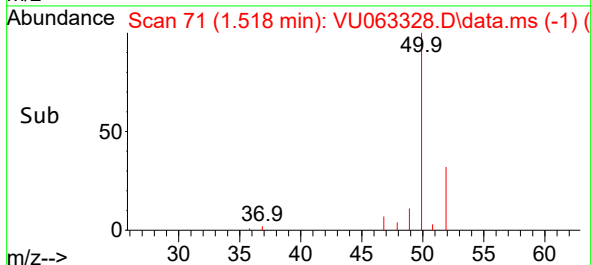
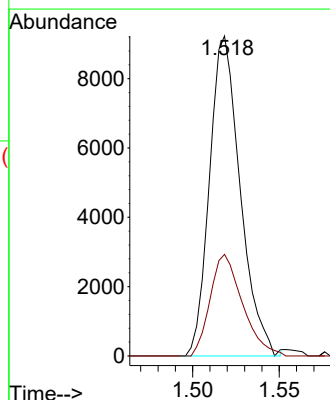
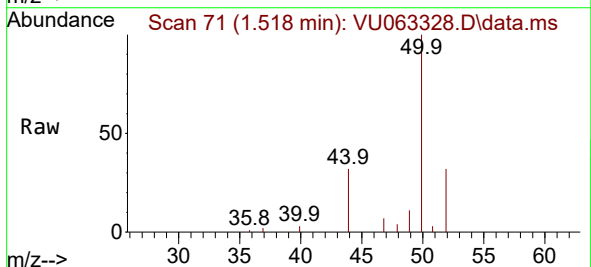
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

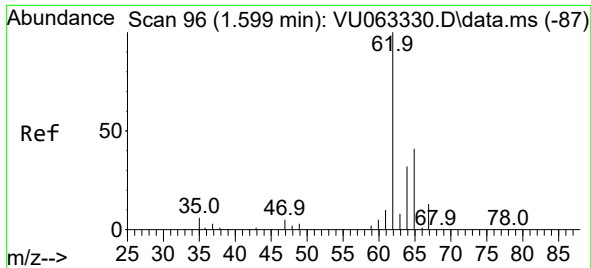
Tgt Ion: 85 Resp: 9882
Ion Ratio Lower Upper
85 100
87 31.3 25.3 37.9



#3
Chloromethane
Concen: 0.56 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion: 50 Resp: 11388
Ion Ratio Lower Upper
50 100
52 31.7 22.7 42.1

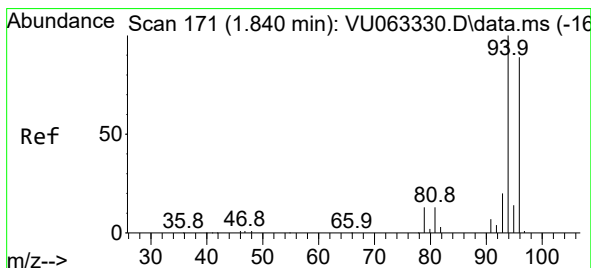
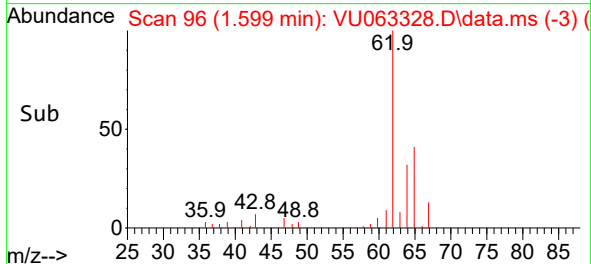
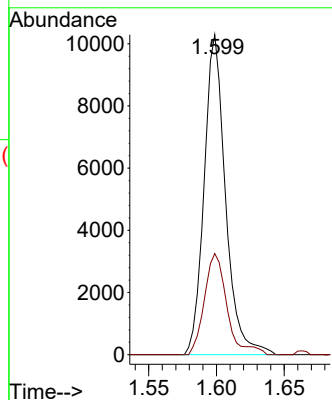
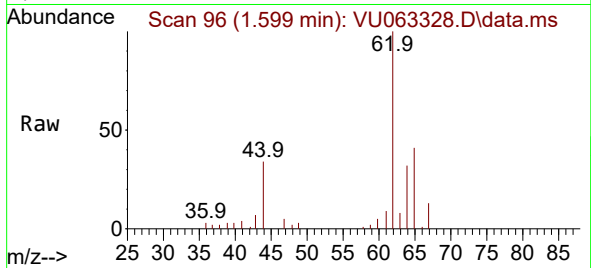




#5
 Vinyl chloride
 Concen: 0.56 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

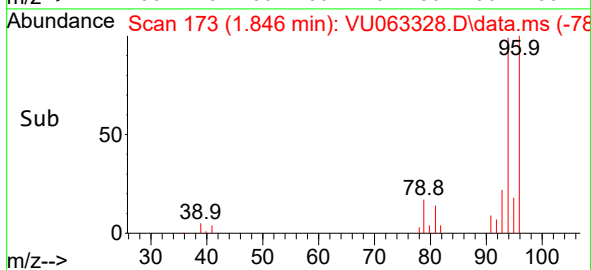
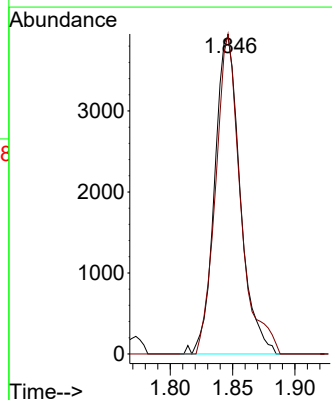
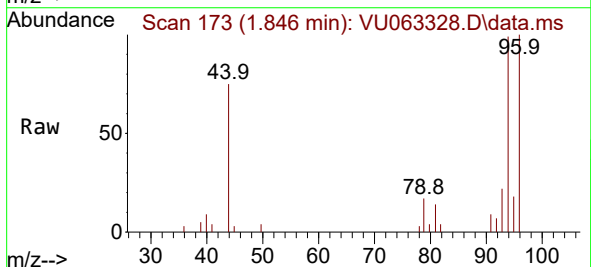
Instrument :
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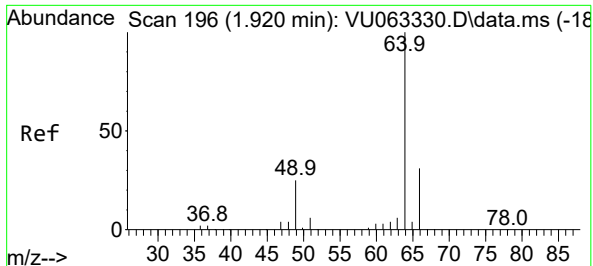
Tgt Ion: 62 Resp: 11321
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.1 41.1



#6
 Bromomethane
 Concen: 0.52 ug/L
 RT: 1.846 min Scan# 173
 Delta R.T. 0.006 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion: 94 Resp: 5601
 Ion Ratio Lower Upper
 94 100
 96 100.8 62.1 115.3





#8

Chloroethane

Concen: 0.56 ug/L

RT: 1.924 min Scan# 196

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

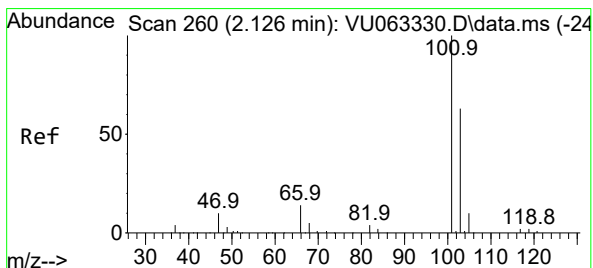
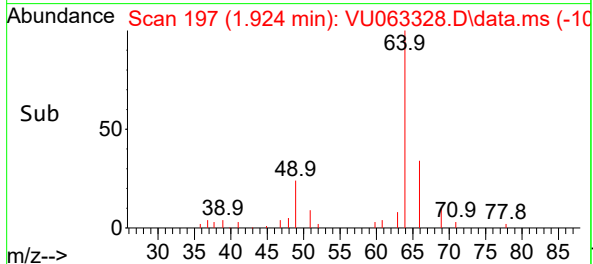
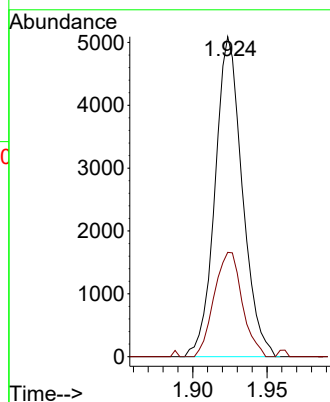
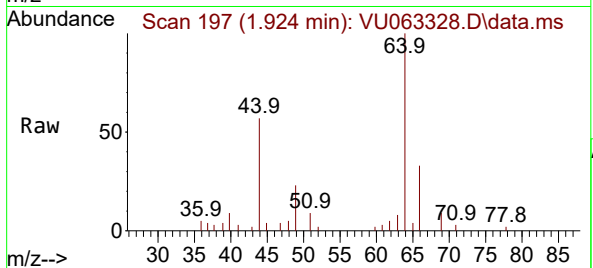
VSTD0.5012

Tgt Ion: 64 Resp: 6516

Ion Ratio Lower Upper

64 100

66 32.6 21.9 40.7



#9

Trichlorofluoromethane

Concen: 0.53 ug/L

RT: 2.129 min Scan# 261

Delta R.T. 0.003 min

Lab File: VU063328.D

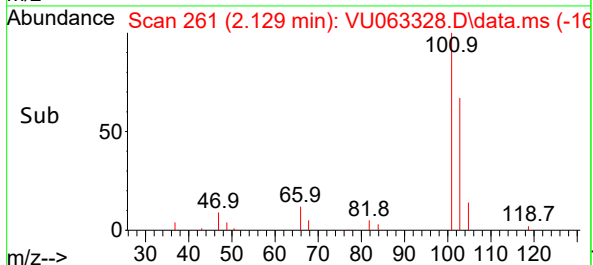
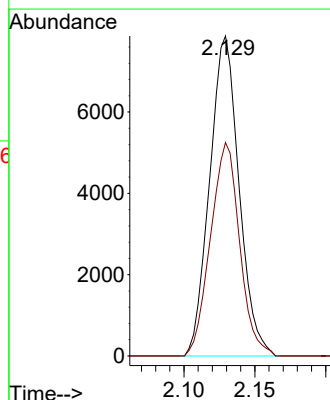
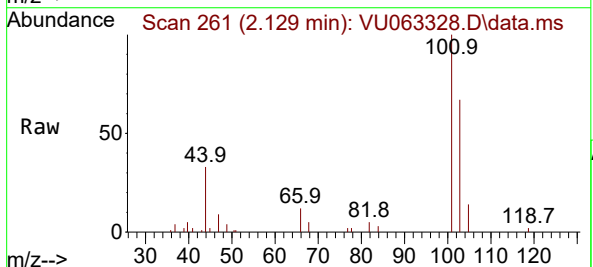
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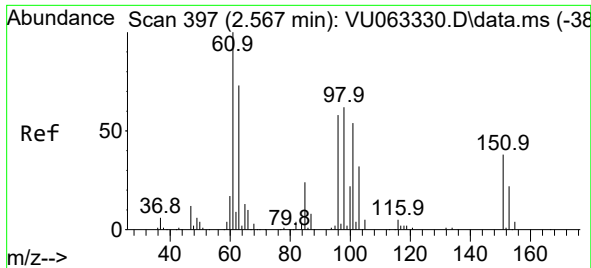
Tgt Ion: 101 Resp: 11348

Ion Ratio Lower Upper

101 100

103 66.1 50.9 76.3

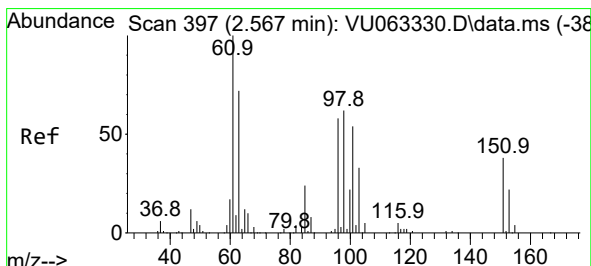
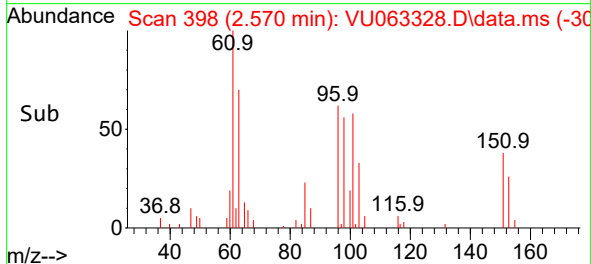
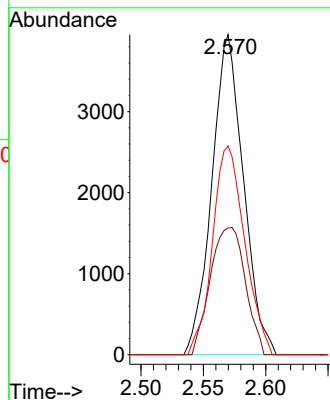
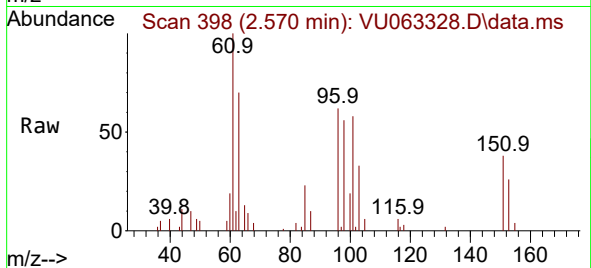




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.54 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

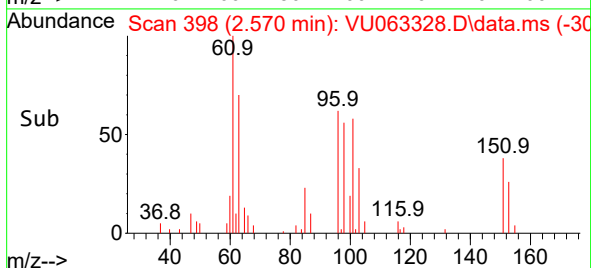
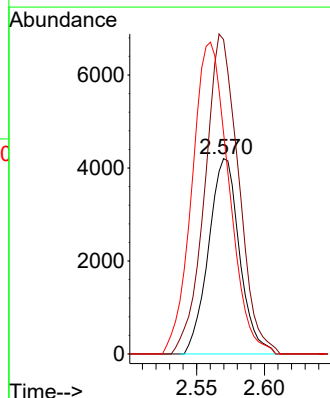
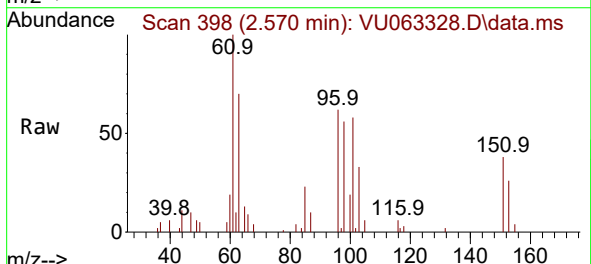
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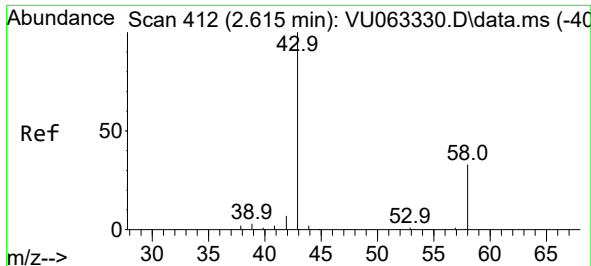
Tgt Ion: 101 Resp: 6973
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.7 53.5
 151 66.4 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 0.54 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion: 96 Resp: 6667
 Ion Ratio Lower Upper
 96 100
 61 160.9 121.2 225.0
 63 113.1 88.9 165.1





#13

Acetone

Concen: 5.49 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU063328.D

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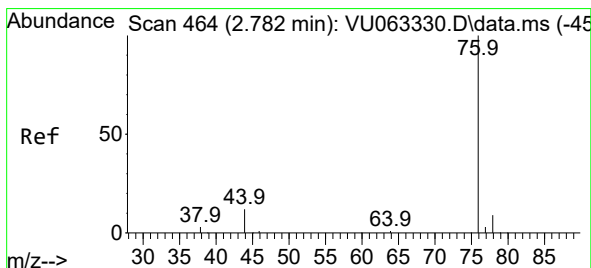
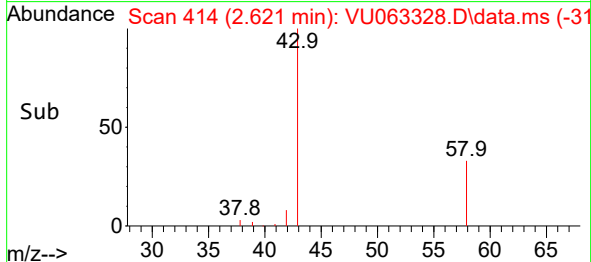
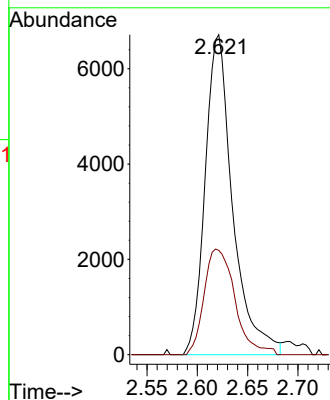
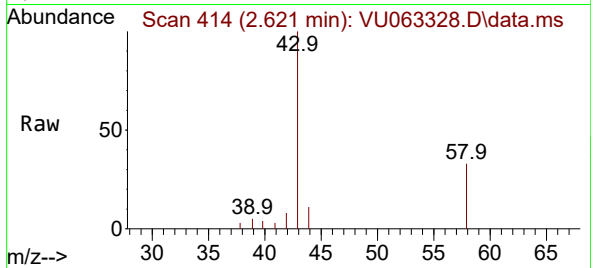
VSTD0.5012

Tgt Ion: 43 Resp: 12783

Ion Ratio Lower Upper

43 100

58 36.9 0.0 68.8



#14

Carbon disulfide

Concen: 0.54 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063328.D

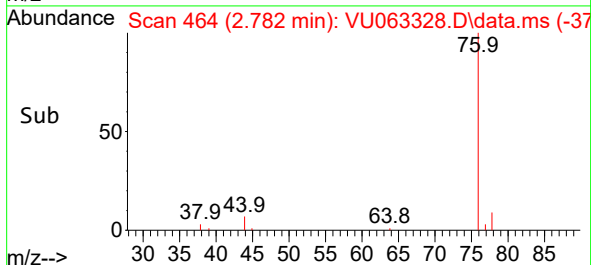
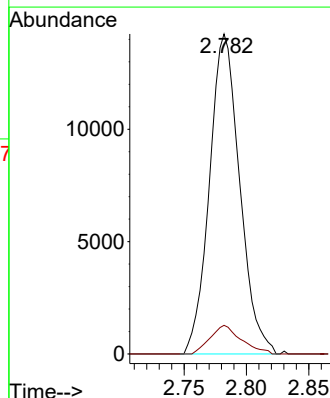
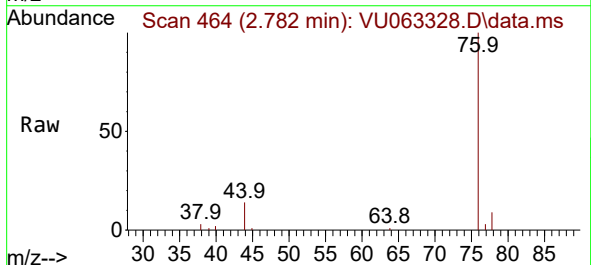
Acq: 03 Apr 2025 14:46

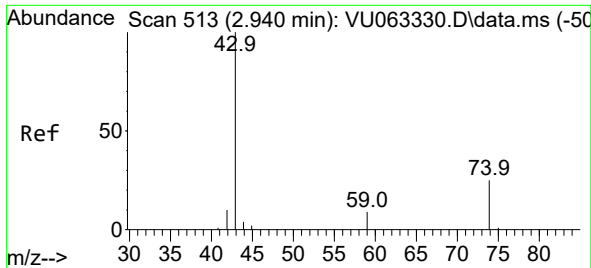
Tgt Ion: 76 Resp: 24054

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

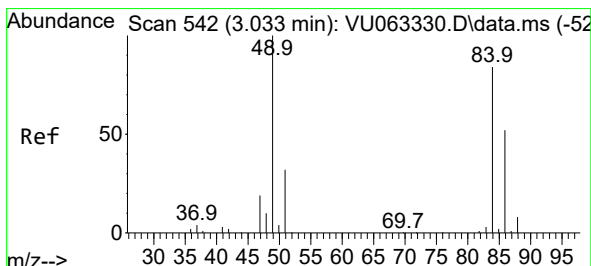
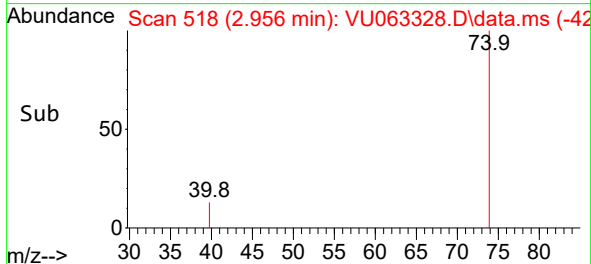
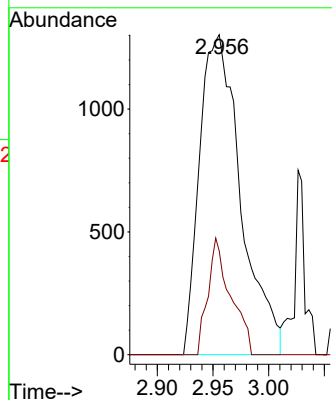
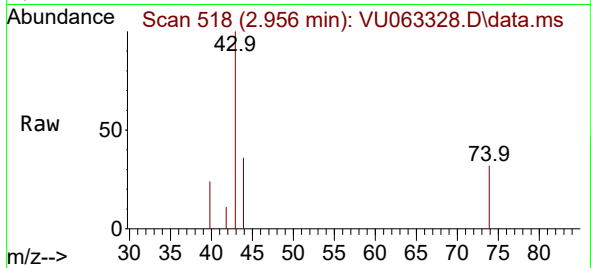




#15
Methyl Acetate
Concen: 0.55 ug/L
RT: 2.956 min Scan# 513
Delta R.T. 0.016 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

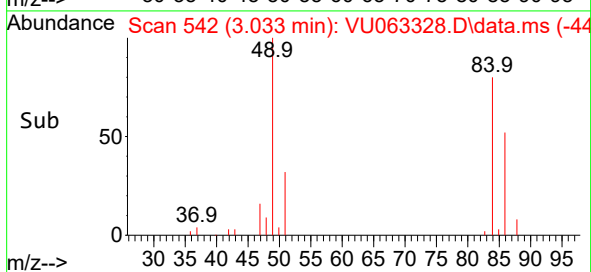
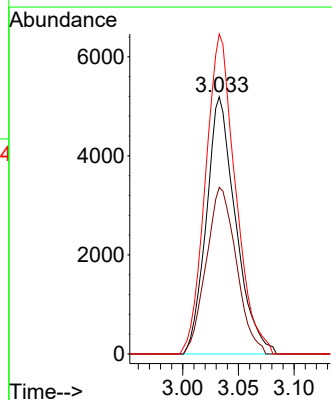
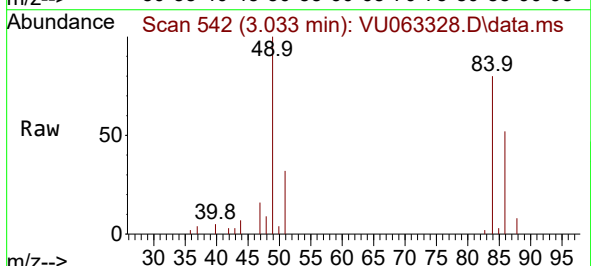
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

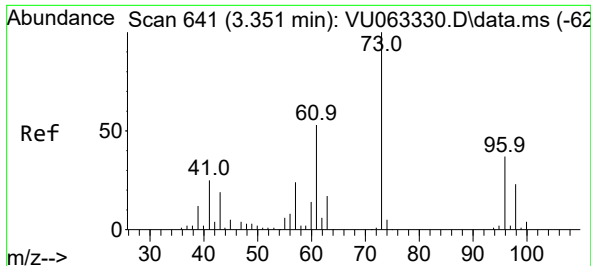
Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
74 20.1 19.2 28.8



#16
Methylene chloride
Concen: 0.60 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion: 84 Resp: 9497
Ion Ratio Lower Upper
84 100
86 64.8 43.3 80.5
49 124.4 83.4 154.8





#17

Methyl tert-butyl Ether

Concen: 0.51 ug/L

RT: 3.354 min Scan# 641

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5012

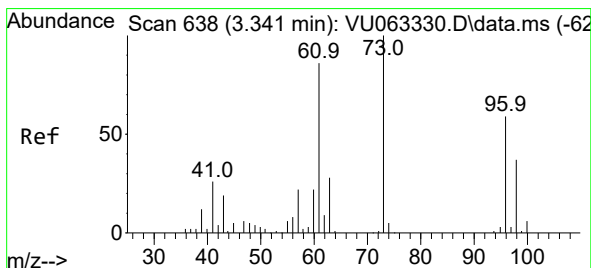
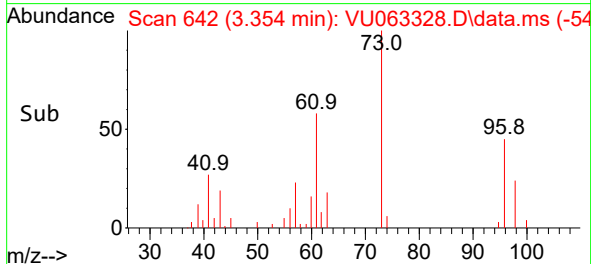
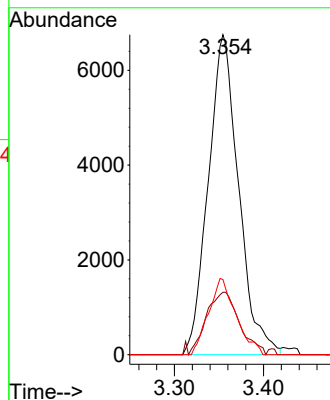
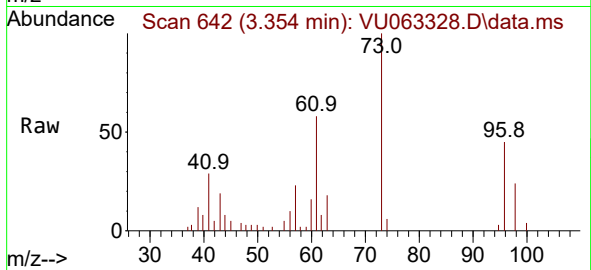
Tgt Ion: 73 Resp: 15978

Ion Ratio Lower Upper

73 100

43 21.3 15.5 23.3

57 21.5 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 0.52 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.006 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

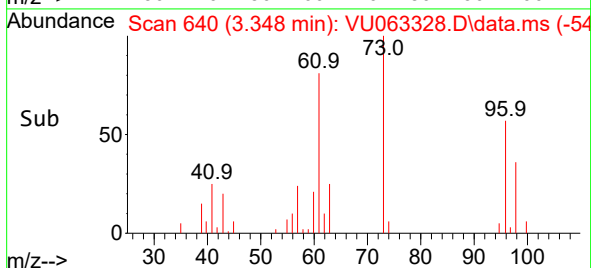
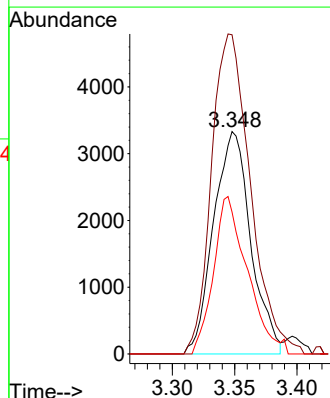
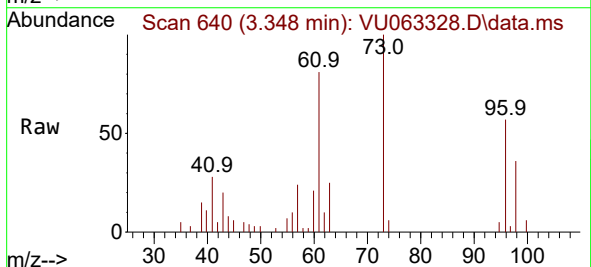
Tgt Ion: 96 Resp: 6915

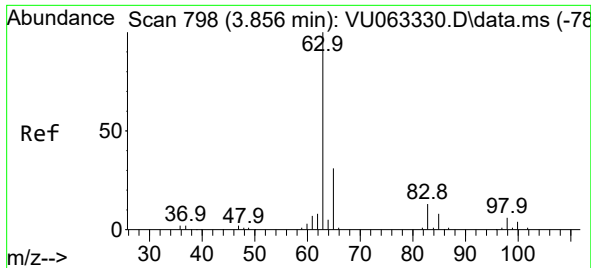
Ion Ratio Lower Upper

96 100

61 143.5 101.8 189.0

98 63.8 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.54 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5012

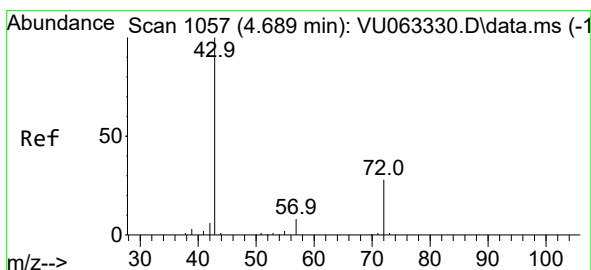
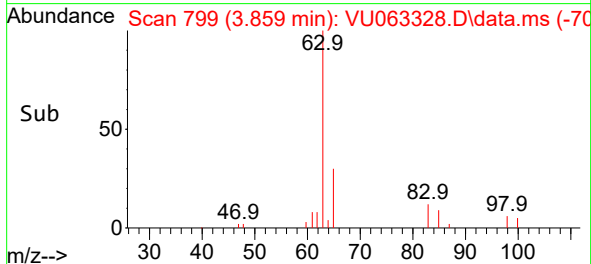
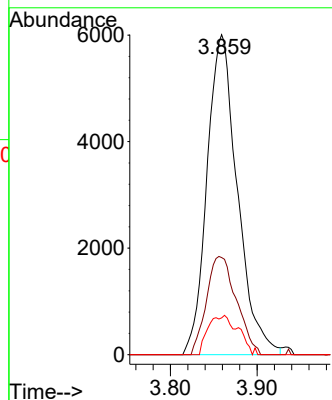
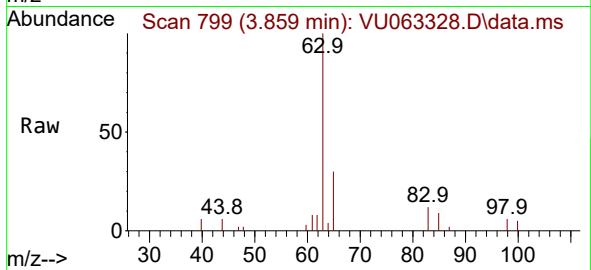
Tgt Ion: 63 Resp: 14640

Ion Ratio Lower Upper

63 100

65 30.4 21.5 39.9

83 11.5 8.8 16.4



#21

2-Butanone

Concen: 4.36 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.022 min

Lab File: VU063328.D

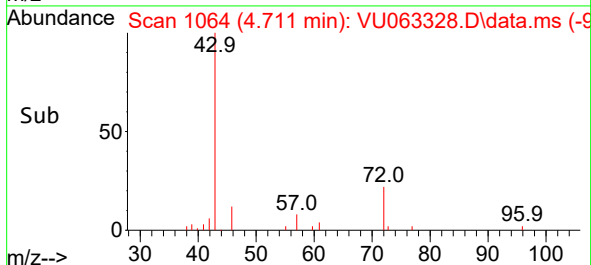
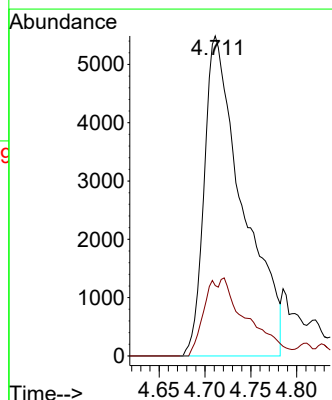
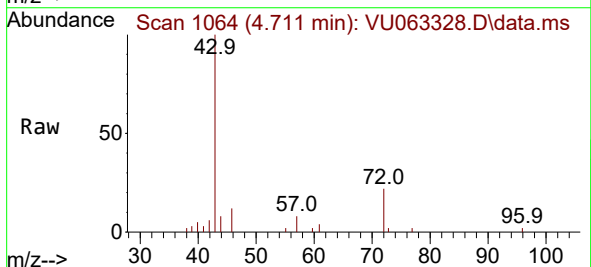
Acq: 03 Apr 2025 14:46

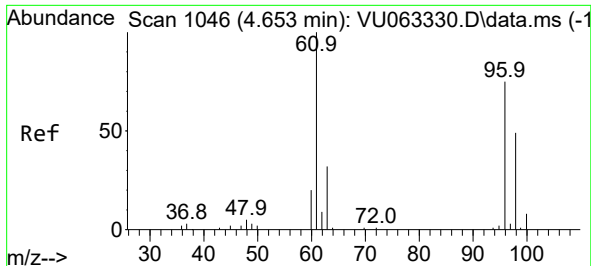
Tgt Ion: 43 Resp: 16014

Ion Ratio Lower Upper

43 100

72 9.5 14.0 42.0#

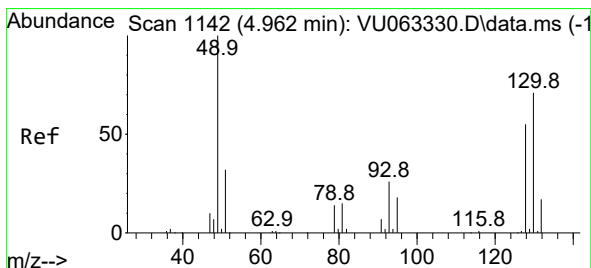
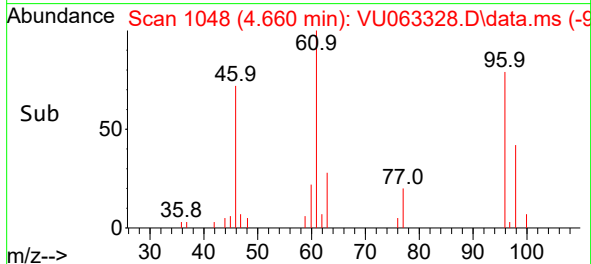
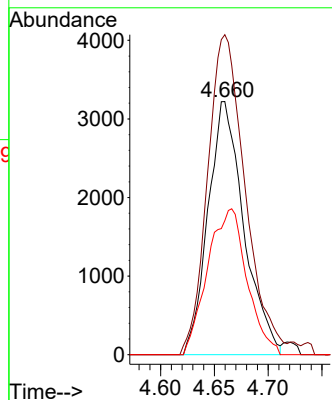
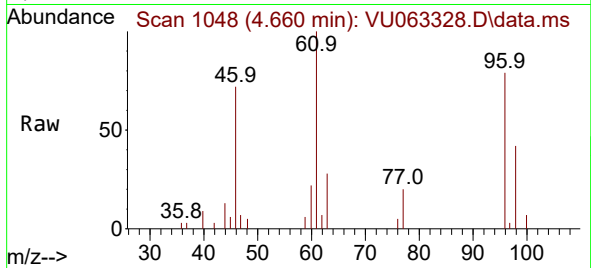




#22
 cis-1,2-Dichloroethene
 Concen: 0.50 ug/L
 RT: 4.660 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

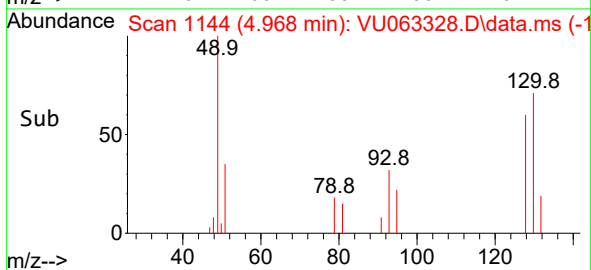
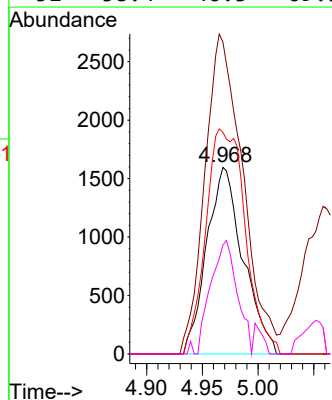
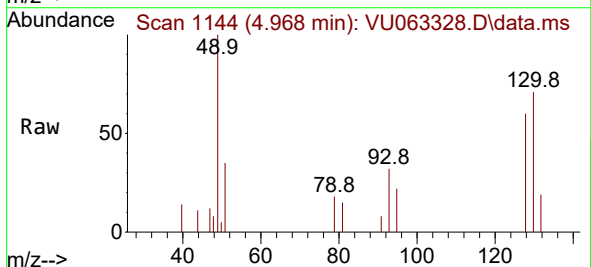
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

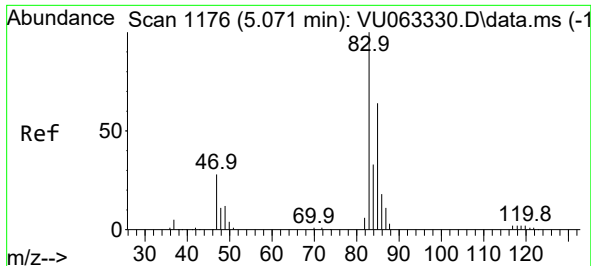
Tgt Ion:	96	Resp:	7458
Ion	Ratio	Lower	Upper
96	100		
61	126.4	93.3	173.3
98	53.0	45.4	84.4



#23
 Bromochloromethane
 Concen: 0.53 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion:	128	Resp:	3629
Ion	Ratio	Lower	Upper
128	100		
49	175.8	128.4	238.4
130	118.8	91.3	169.6
51	58.4	46.3	69.5





#25

Chloroform

Concen: 0.55 ug/L

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

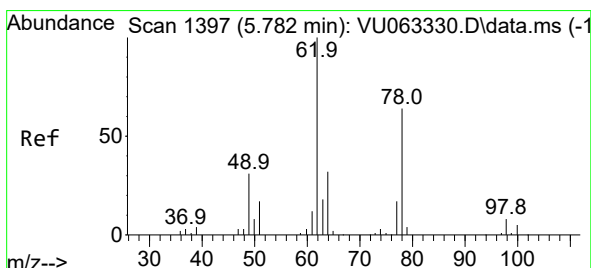
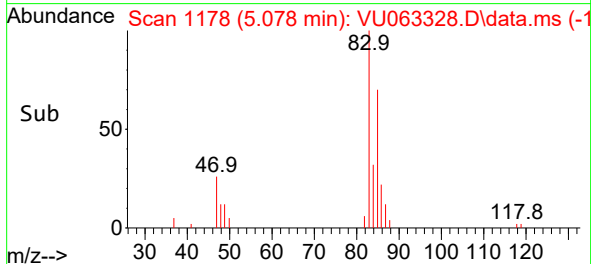
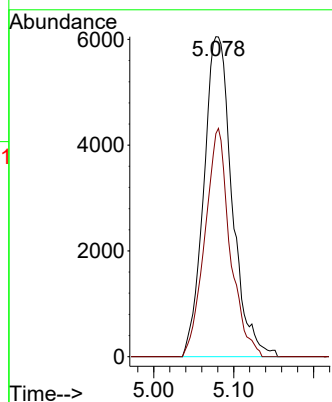
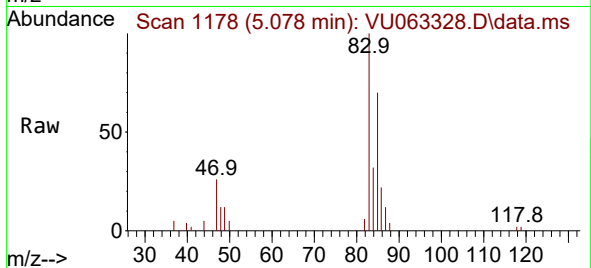
VSTD0.5012

Tgt Ion: 83 Resp: 14895

Ion Ratio Lower Upper

83 100

85 69.7 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.51 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU063328.D

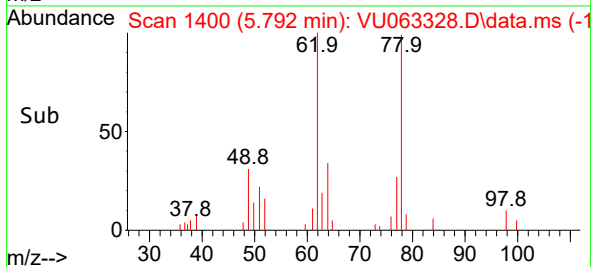
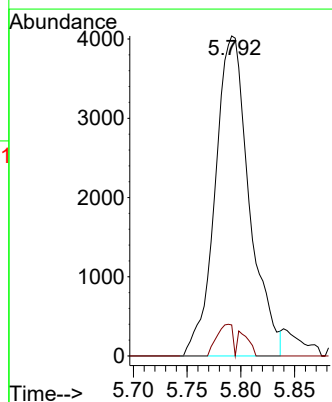
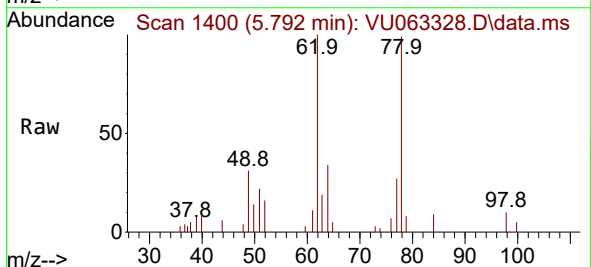
Acq: 03 Apr 2025 14:46

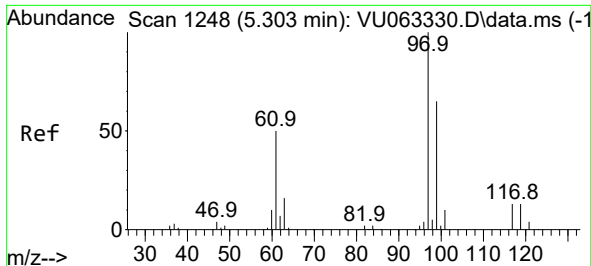
Tgt Ion: 62 Resp: 8928

Ion Ratio Lower Upper

62 100

98 9.7 6.3 9.5#

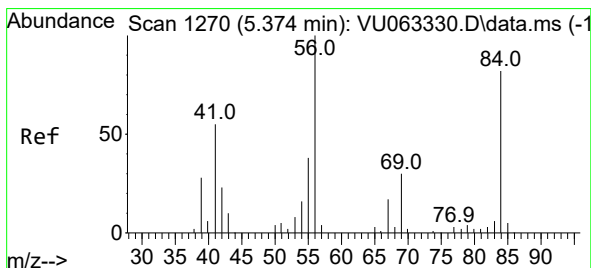
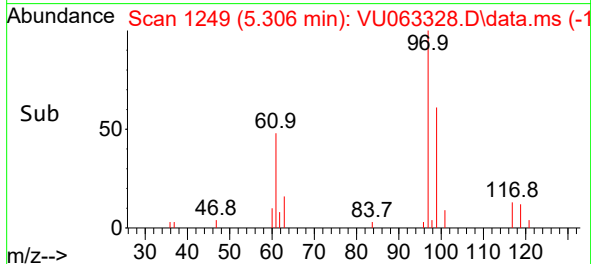
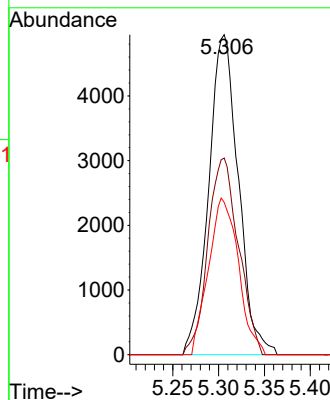
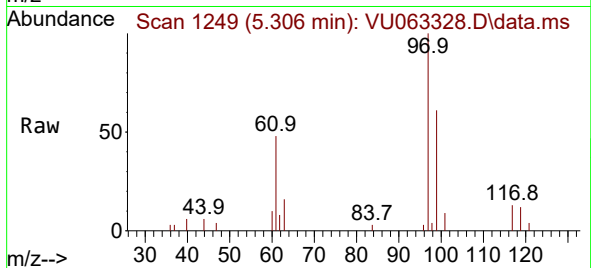




#29
1,1,1-Trichloroethane
Concen: 0.51 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

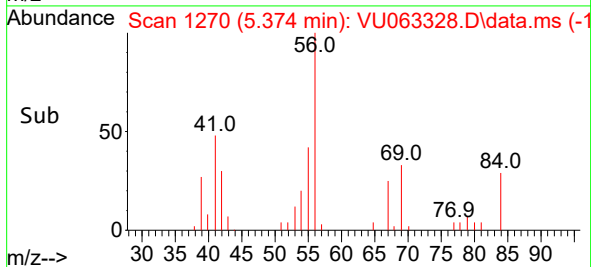
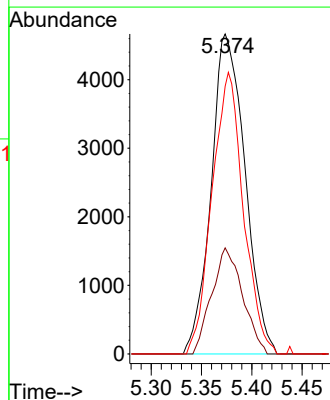
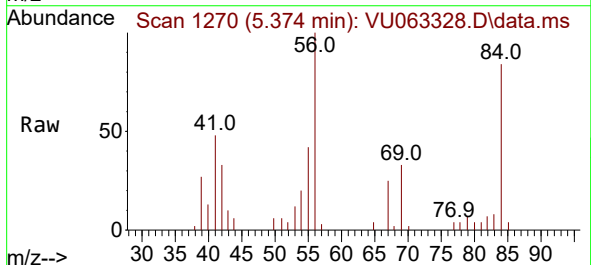
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

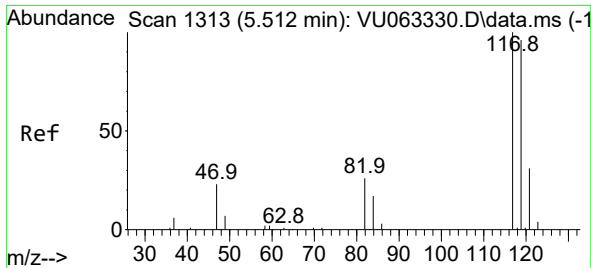
Tgt Ion:	97	Resp:	11129
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	49.4	39.0	58.6



#30
Cyclohexane
Concen: 0.47 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:	56	Resp:	10931
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.3	36.5
84	81.5	66.8	100.2

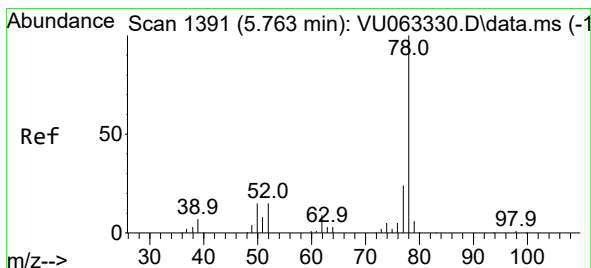
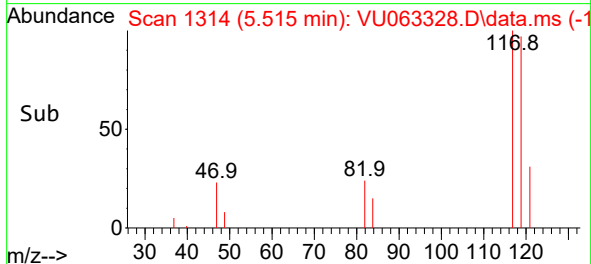
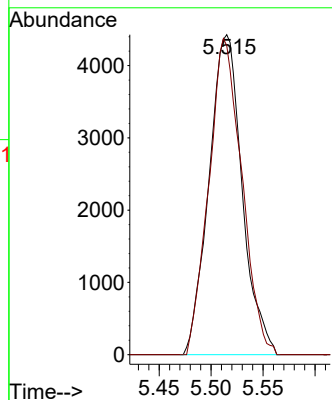
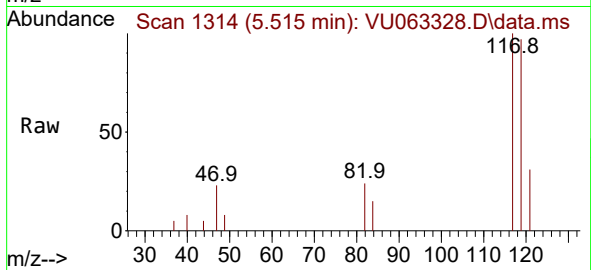




#31
Carbon tetrachloride
Concen: 0.53 ug/L
RT: 5.515 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

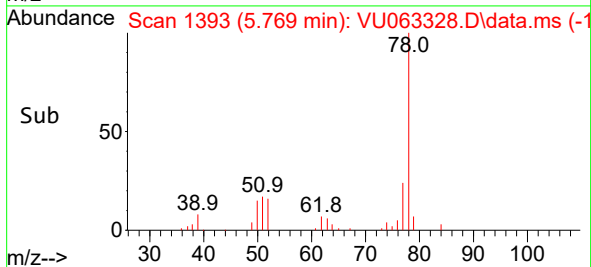
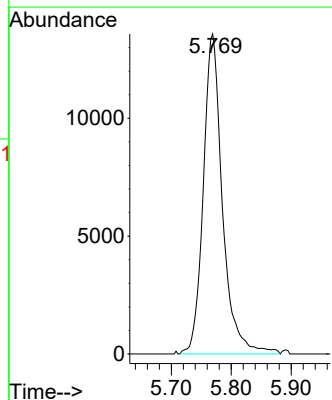
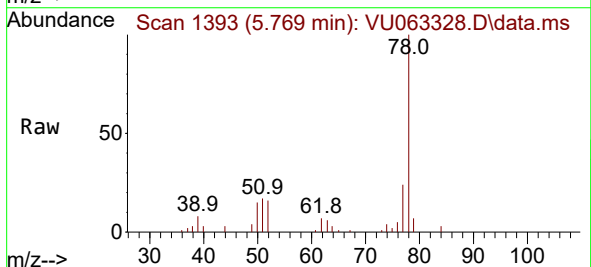
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

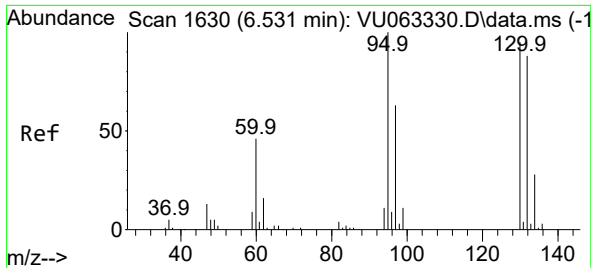
Tgt Ion:117 Resp: 9841
Ion Ratio Lower Upper
117 100
119 98.3 76.5 114.7



#33
Benzene
Concen: 0.50 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion: 78 Resp: 30229



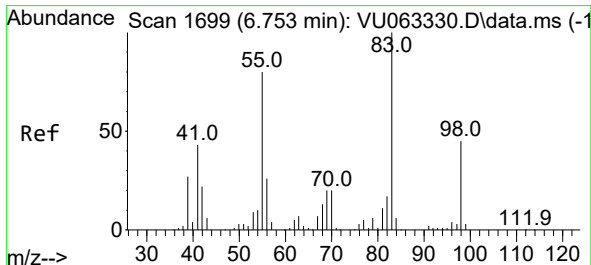
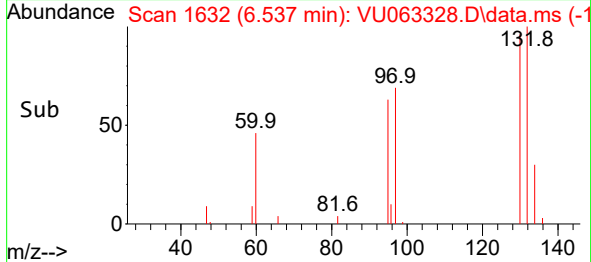
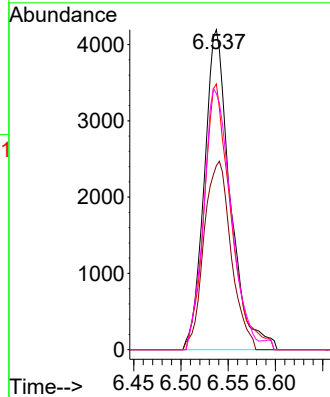
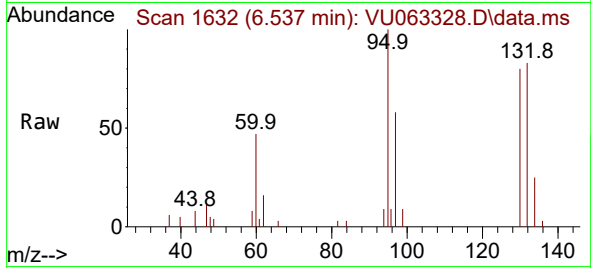


#34
Trichloroethene
Concen: 0.53 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

Tgt Ion: 95 Resp: 7991

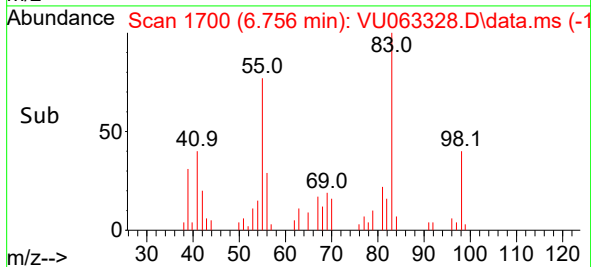
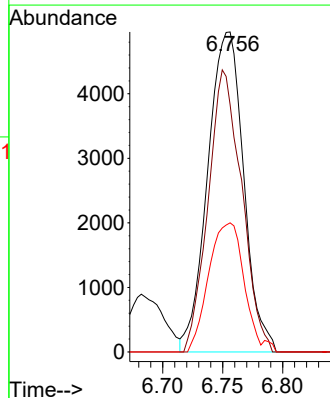
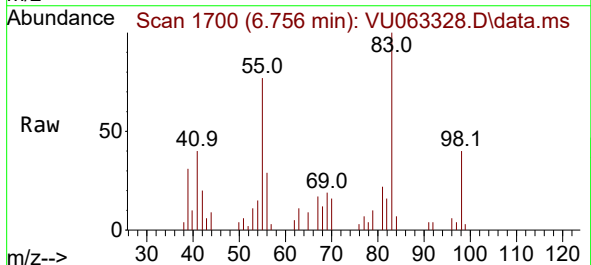
Ion	Ratio	Lower	Upper
95	100		
97	53.0	44.4	82.4
132	76.5	61.5	114.3
130	73.8	66.8	124.0

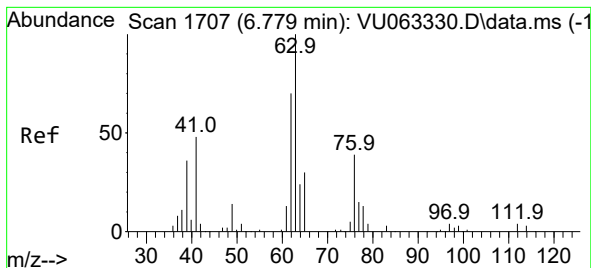


#35
Methylcyclohexane
Concen: 0.47 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion: 83 Resp: 10324

Ion	Ratio	Lower	Upper
83	100		
55	82.1	63.1	94.7
98	40.0	35.5	53.3





#37

1,2-Dichloropropane

Concen: 0.51 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

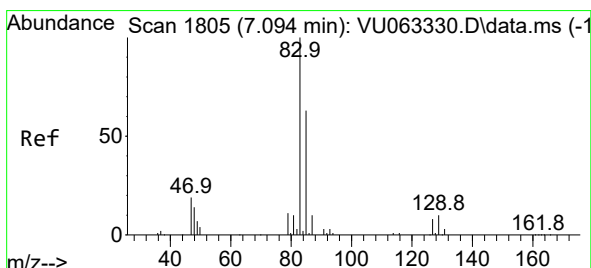
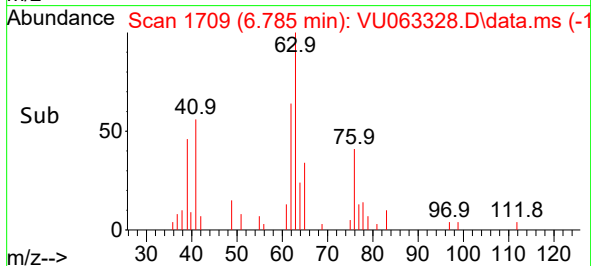
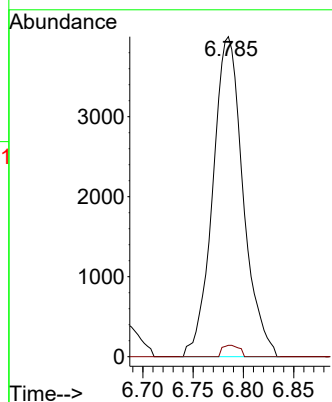
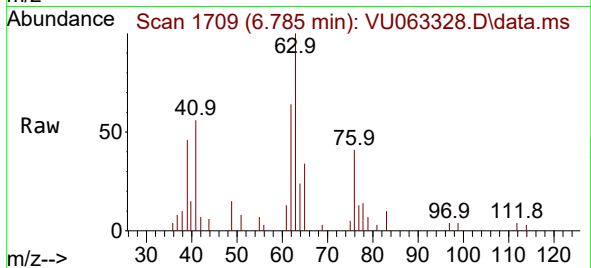
VSTD0.5012

Tgt Ion: 63 Resp: 8407

Ion Ratio Lower Upper

63 100

112 2.0 2.6 4.0#



#38

Bromodichloromethane

Concen: 0.52 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

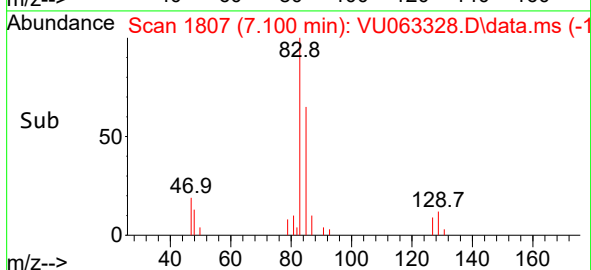
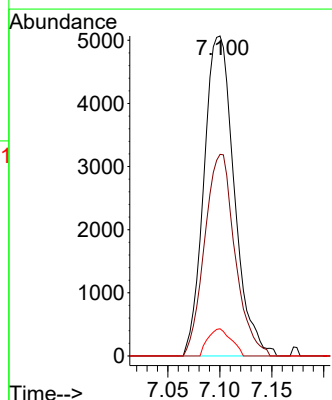
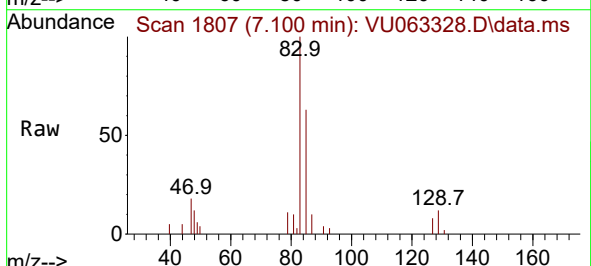
Tgt Ion: 83 Resp: 10260

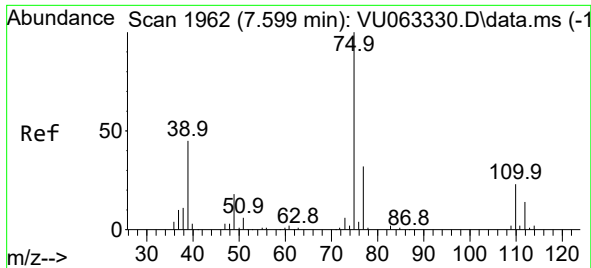
Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

127 8.5 6.2 9.4

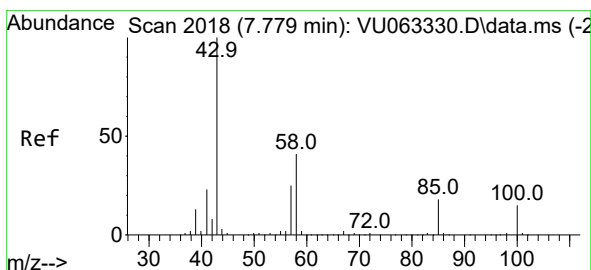
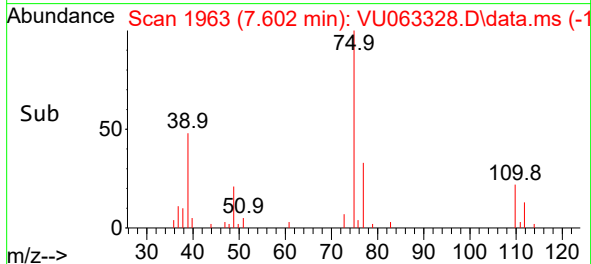
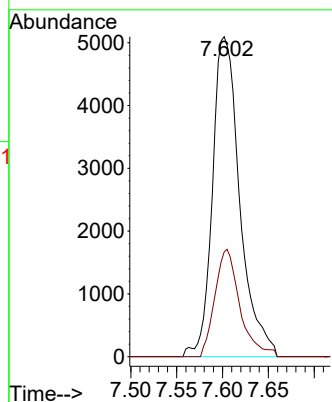
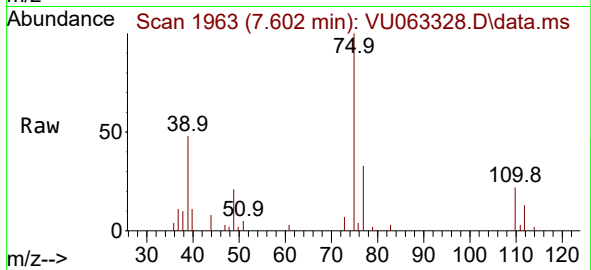




#39
 cis-1,3-Dichloropropene
 Concen: 0.48 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

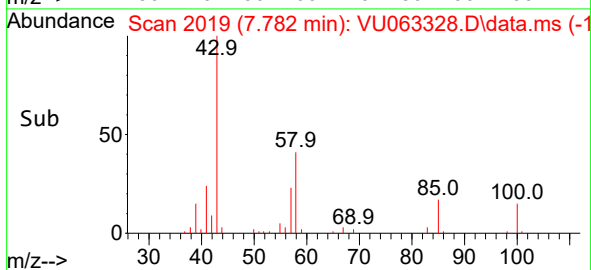
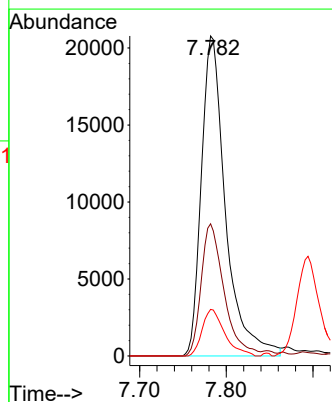
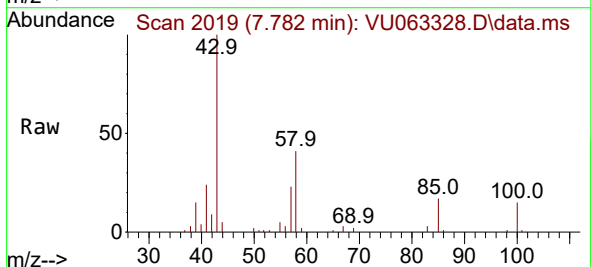
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

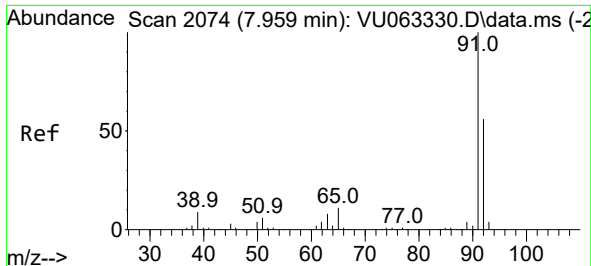
Tgt Ion: 75 Resp: 10562
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.39 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion: 43 Resp: 40311
 Ion Ratio Lower Upper
 43 100
 58 39.0 32.9 49.3
 100 13.5 11.5 17.3





#42

Toluene

Concen: 0.46 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

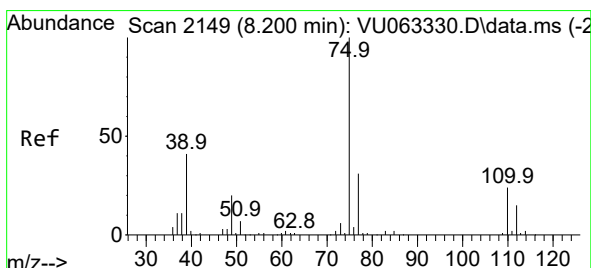
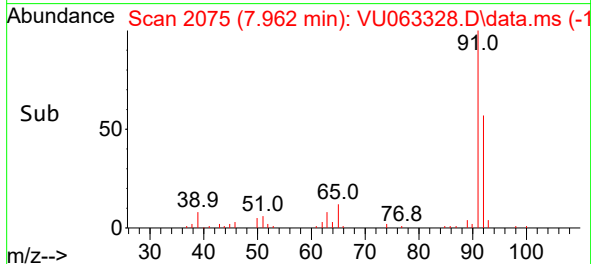
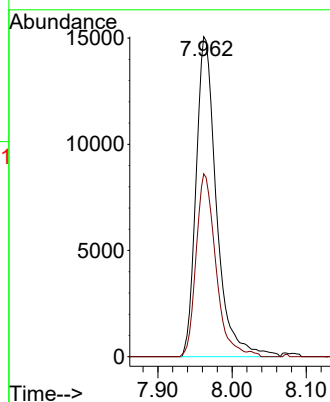
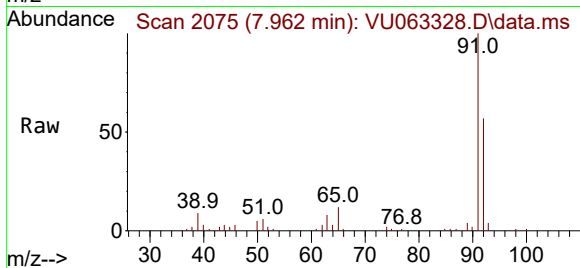
VSTD0.5012

Tgt Ion: 91 Resp: 28821

Ion Ratio Lower Upper

91 100

92 57.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 0.46 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063328.D

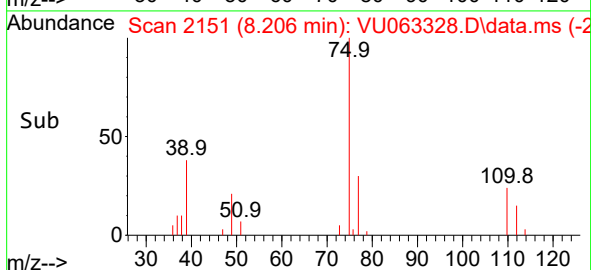
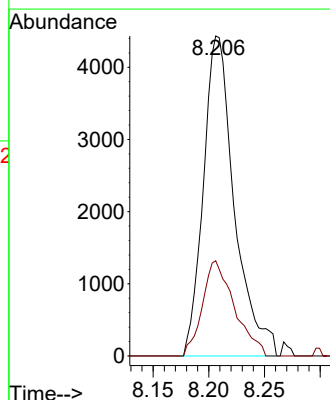
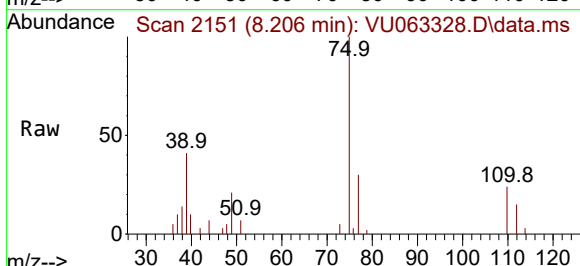
Acq: 03 Apr 2025 14:46

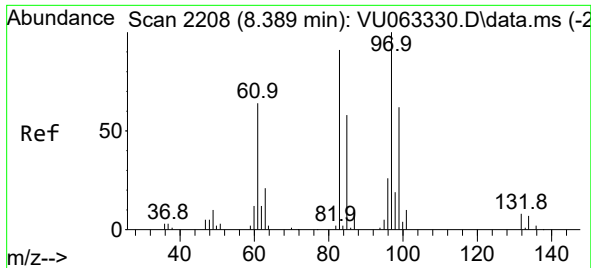
Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

75 100

77 29.8 21.8 40.6

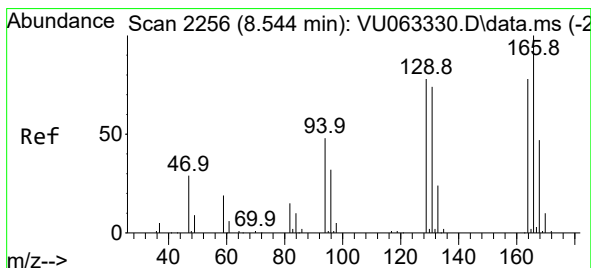
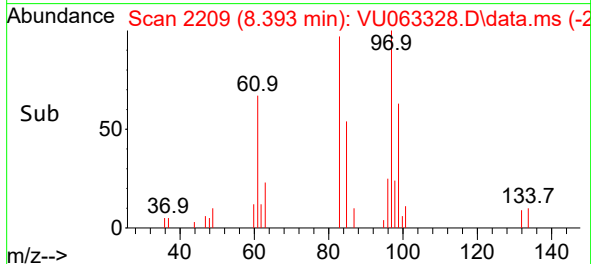
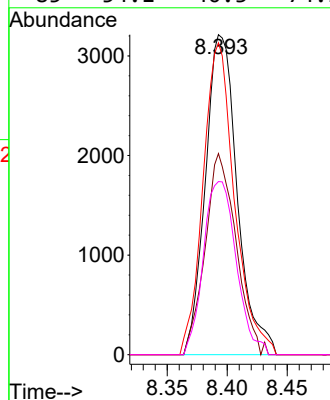
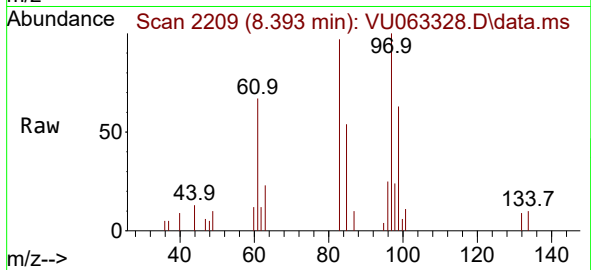




#45
1,1,2-Trichloroethane
Concen: 0.51 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

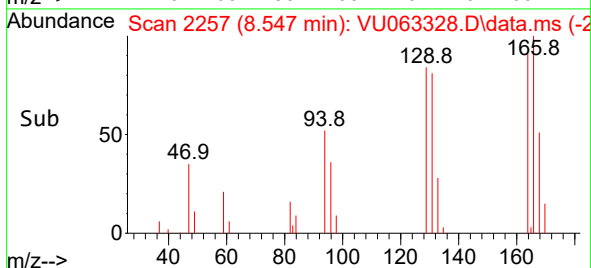
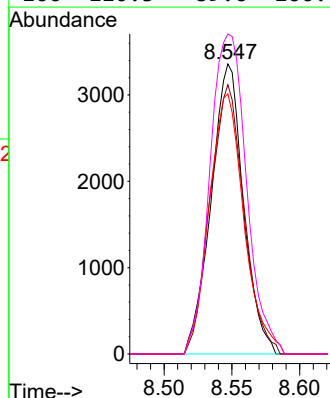
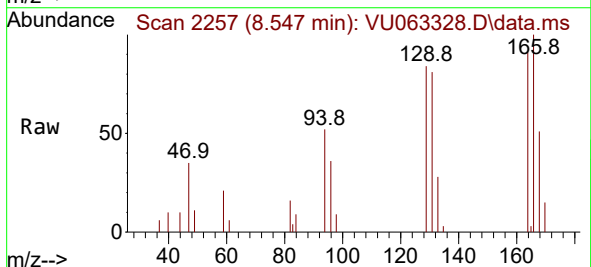
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

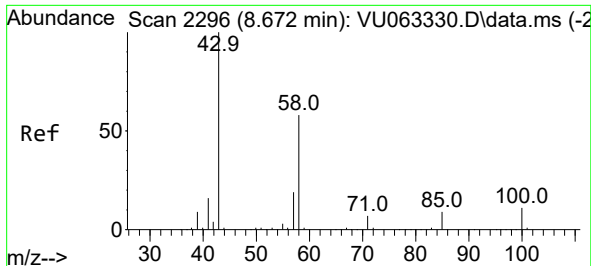
Tgt Ion:	97	Resp:	5939
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.3
83	97.4	63.5	117.9
85	54.1	40.3	74.9



#47
Tetrachloroethene
Concen: 0.51 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:	164	Resp:	5569
Ion	Ratio	Lower	Upper
164	100		
129	92.8	69.9	129.9
131	89.7	66.1	122.7
166	110.3	89.6	166.4

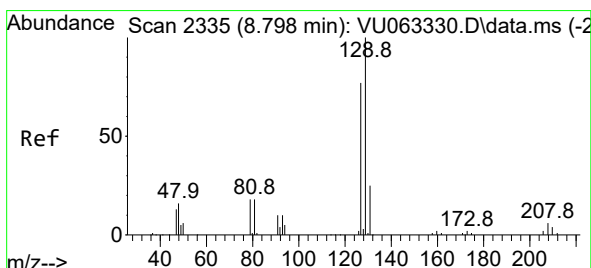
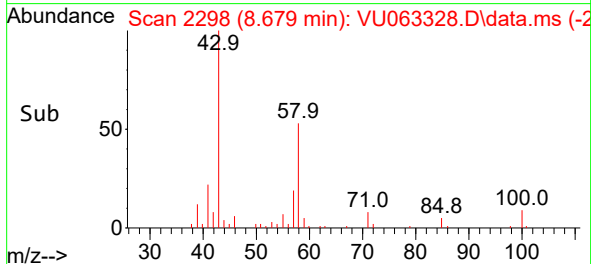
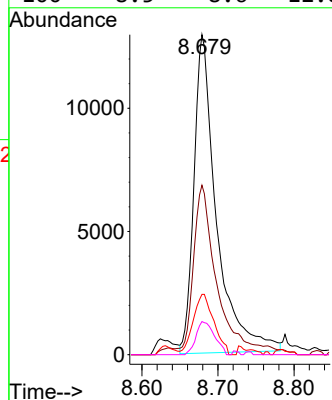
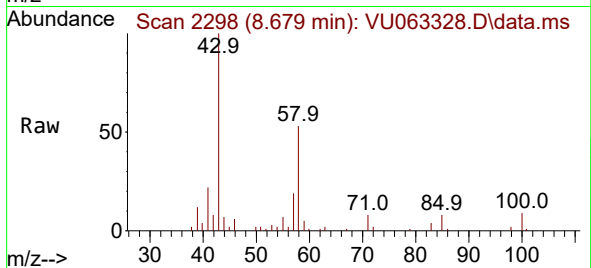




#48
2-Hexanone
Concen: 4.13 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.006 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

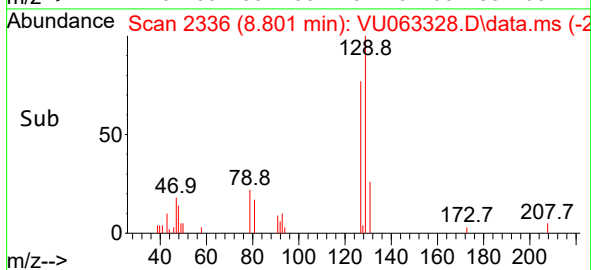
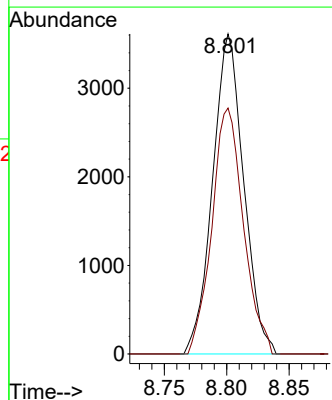
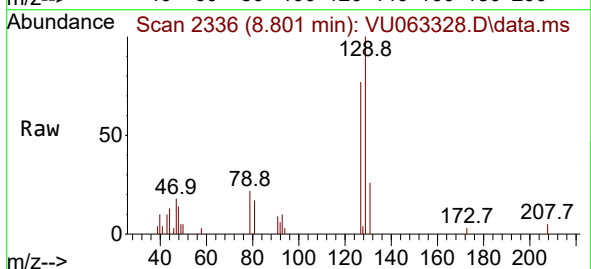
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

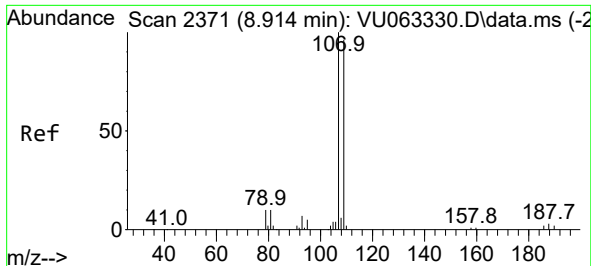
Tgt Ion:	43	Resp:	26701
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.7	68.5
57	17.3	15.2	22.8
100	8.5	8.6	12.8



#49
Dibromochloromethane
Concen: 0.50 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:	129	Resp:	6271
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	100.0

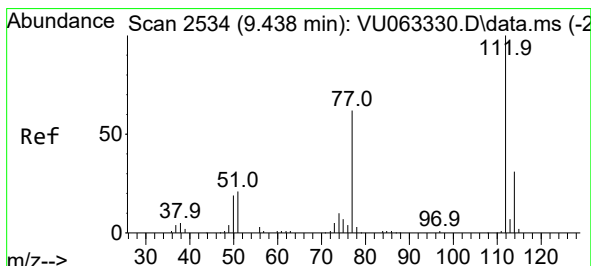
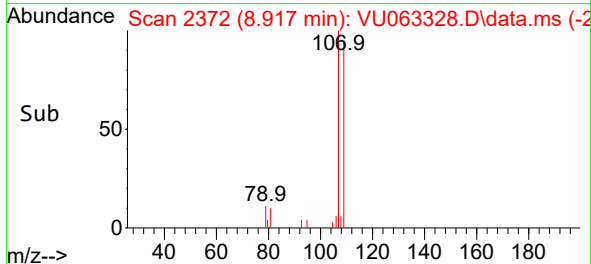
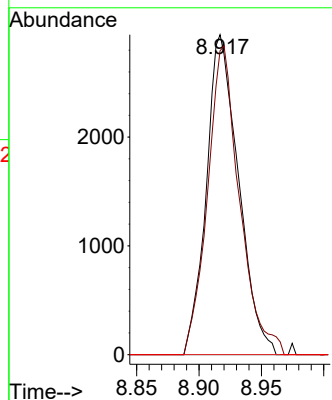
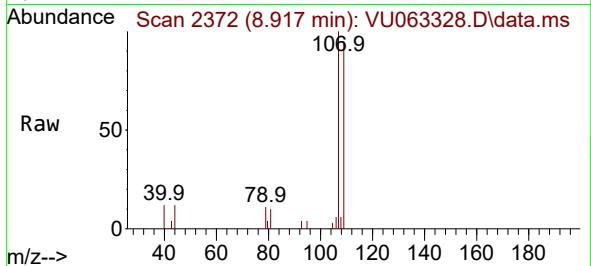




#50
1,2-Dibromoethane
Concen: 0.49 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

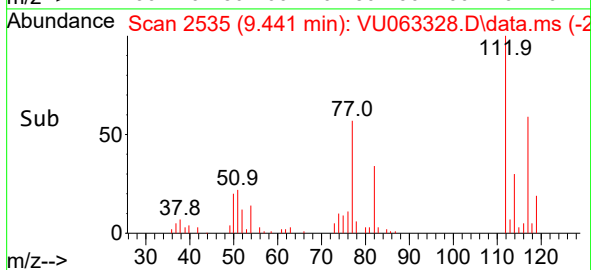
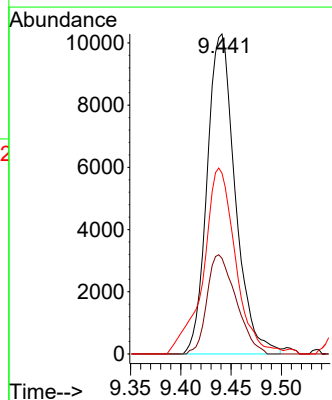
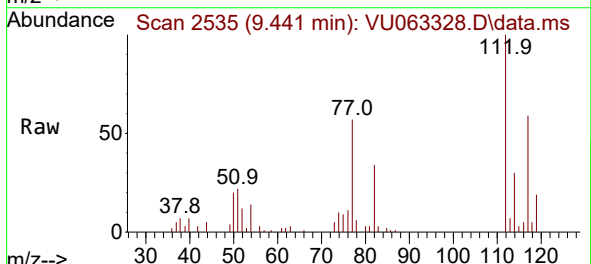
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

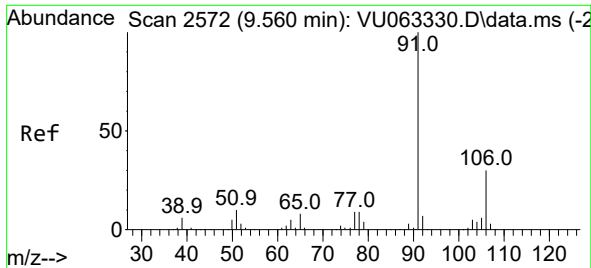
Tgt Ion:107 Resp: 5295
Ion Ratio Lower Upper
107 100
109 94.9 67.2 124.8
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 0.52 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:112 Resp: 19982
Ion Ratio Lower Upper
112 100
114 29.9 21.7 40.3
77 56.5 49.8 74.6

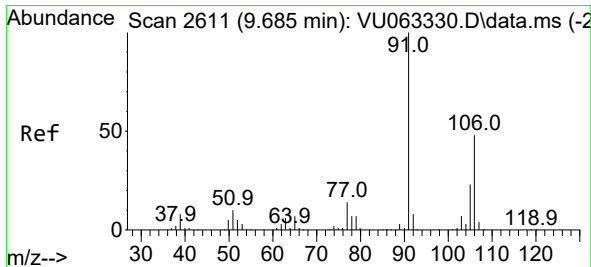
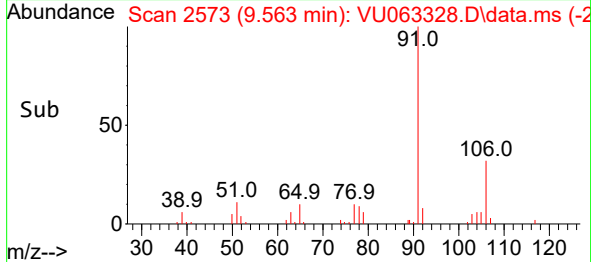
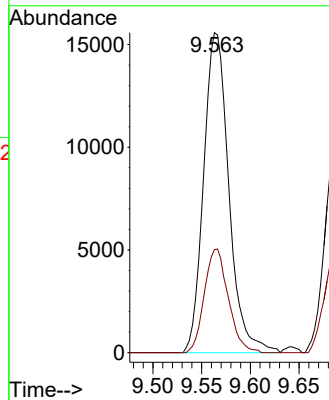
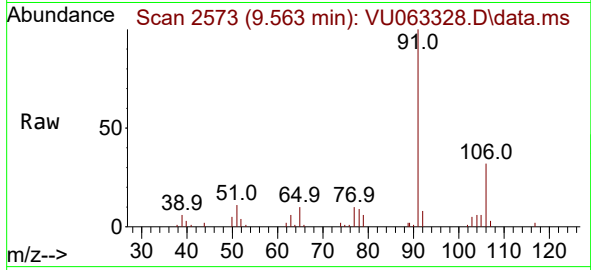




#52
Ethylbenzene
Concen: 0.44 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

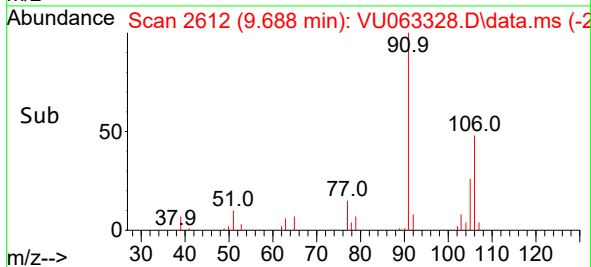
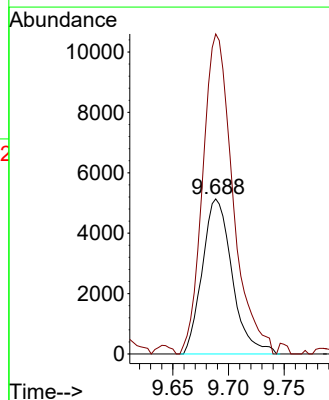
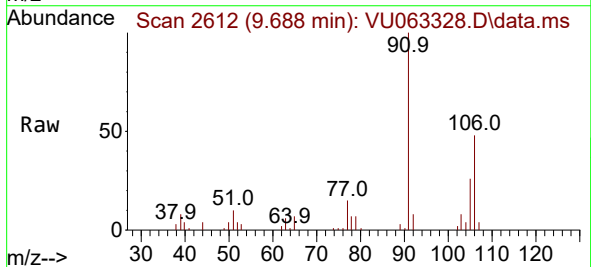
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

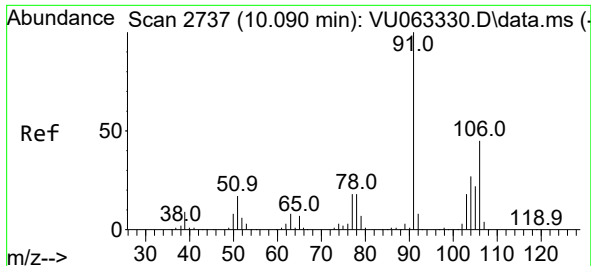
Tgt Ion: 91 Resp: 28058
Ion Ratio Lower Upper
91 100
106 32.2 21.1 39.1



#53
m,p-Xylene
Concen: 0.41 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion: 106 Resp: 9553
Ion Ratio Lower Upper
106 100
91 206.4 146.3 271.7

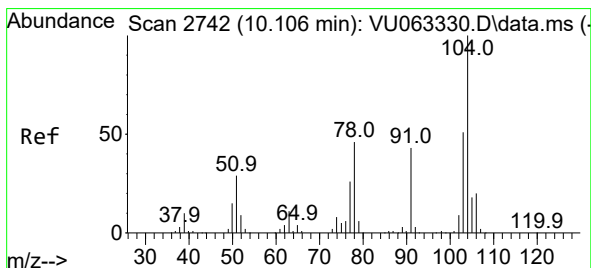
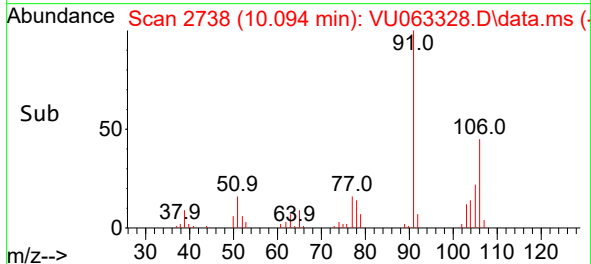
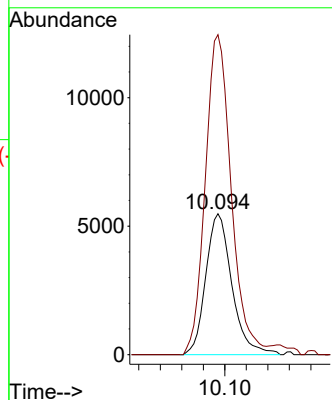
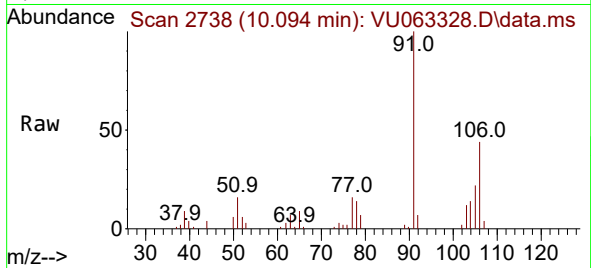




#54
o-Xylene
Concen: 0.42 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

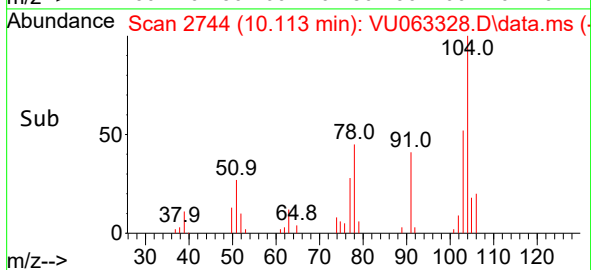
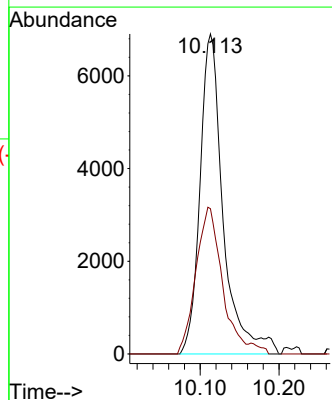
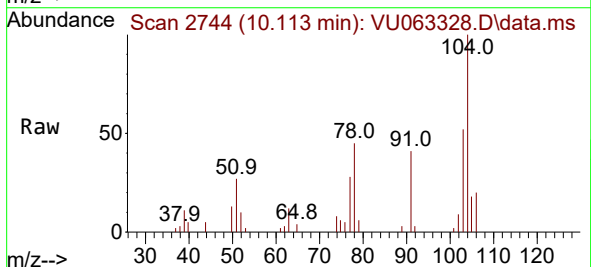
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

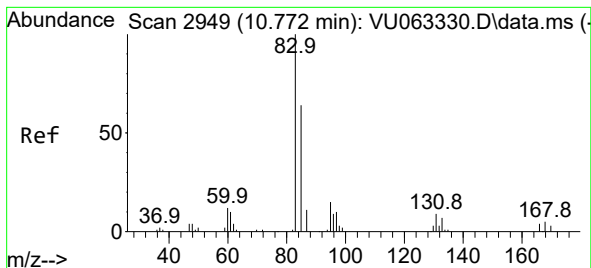
Tgt Ion:106 Resp: 9239
Ion Ratio Lower Upper
106 100
91 227.1 155.6 289.0



#55
Styrene
Concen: 0.38 ug/L m
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:104 Resp: 14076
Ion Ratio Lower Upper
104 100
78 45.4 32.1 59.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.49 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5012

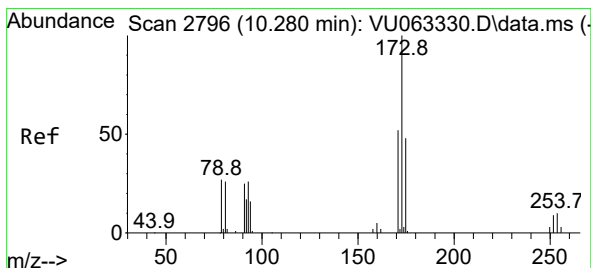
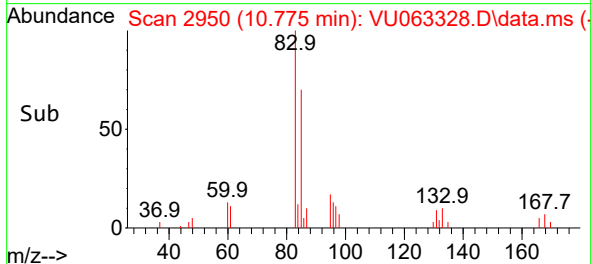
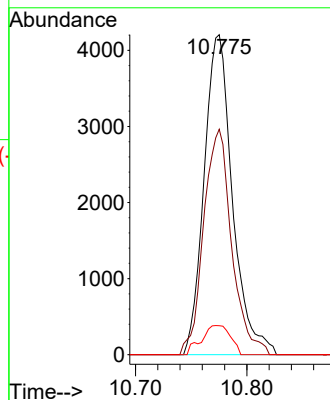
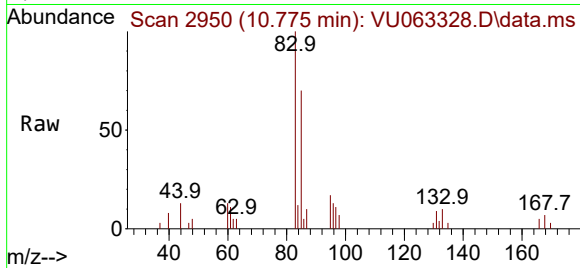
Tgt Ion: 83 Resp: 7445

Ion Ratio Lower Upper

83 100

85 70.5 45.0 83.6

131 9.1 7.1 10.7



#59

Bromoform

Concen: 0.56 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.006 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

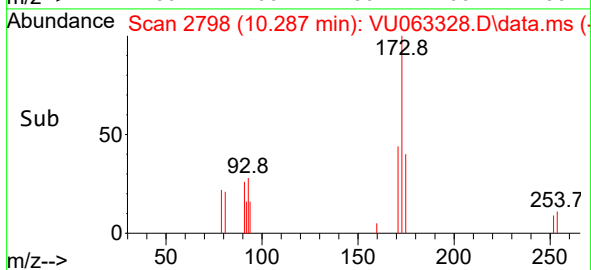
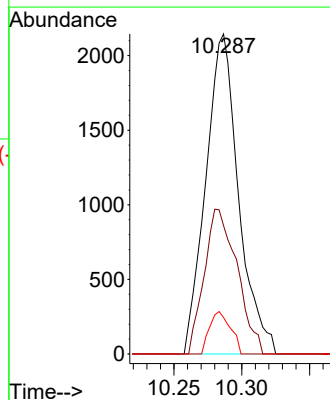
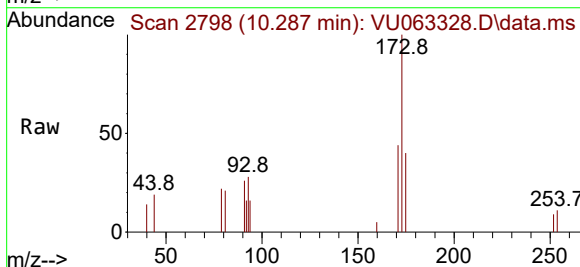
Tgt Ion: 173 Resp: 3607

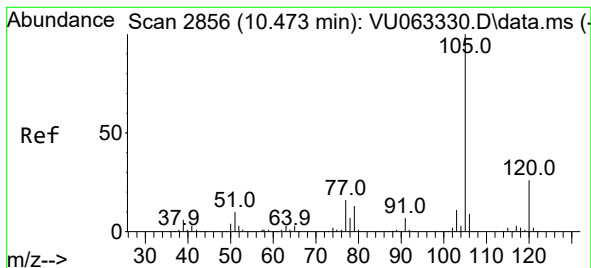
Ion Ratio Lower Upper

173 100

175 45.2 39.4 59.0

254 8.5 7.2 10.8





#60

Isopropylbenzene

Concen: 0.46 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

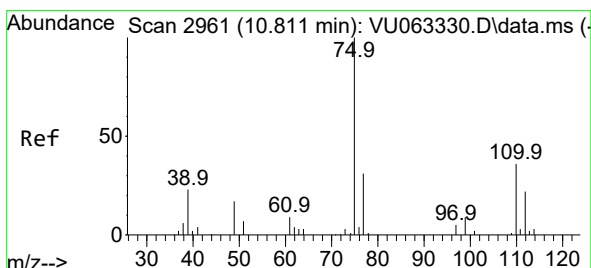
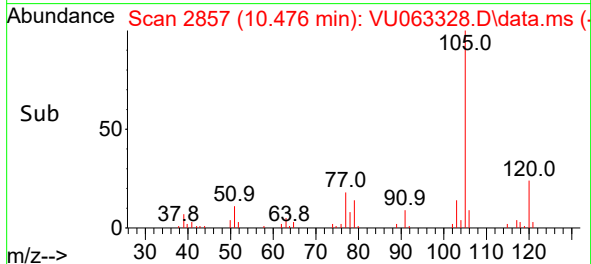
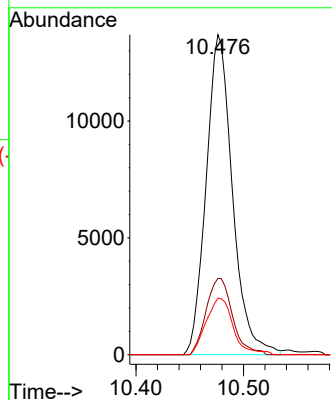
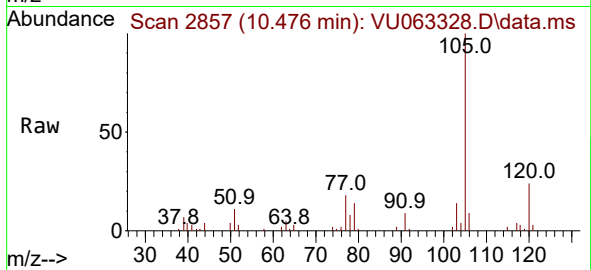
Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5012

Tgt Ion:	105	Resp:	23342
Ion Ratio	Lower	Upper	
105	100		
120	23.8	20.7	31.1
77	18.1	13.1	19.7



#61

1,2,3-Trichloropropane

Concen: 0.57 ug/L

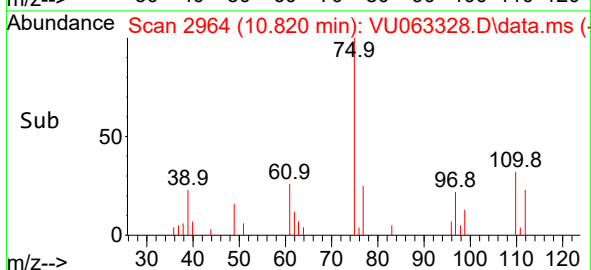
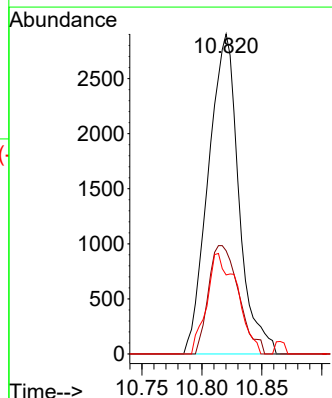
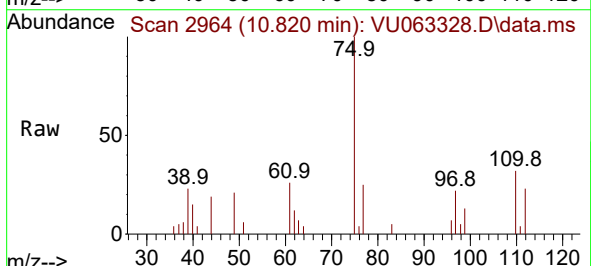
RT: 10.820 min Scan# 2964

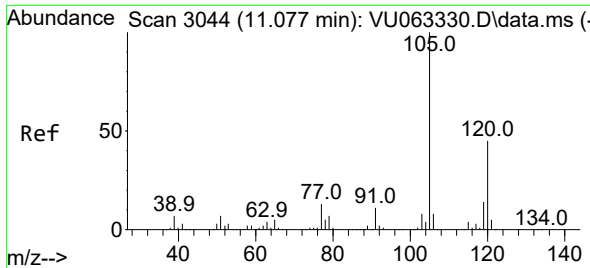
Delta R.T. 0.010 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Tgt Ion:	75	Resp:	5118
Ion Ratio	Lower	Upper	
75	100		
110	33.6	27.0	40.6
77	31.4	25.7	38.5

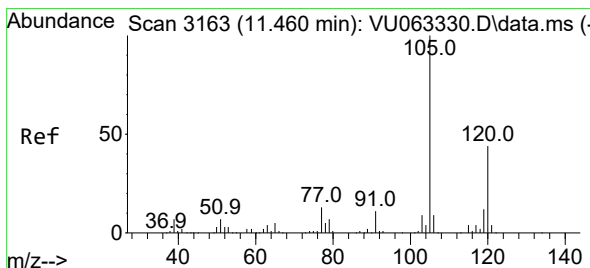
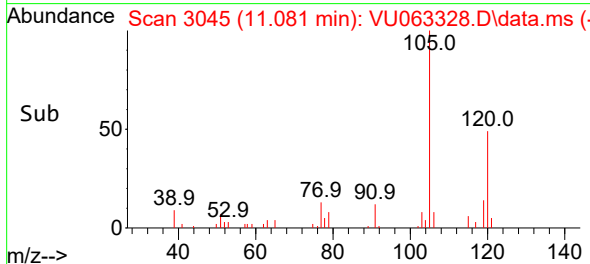
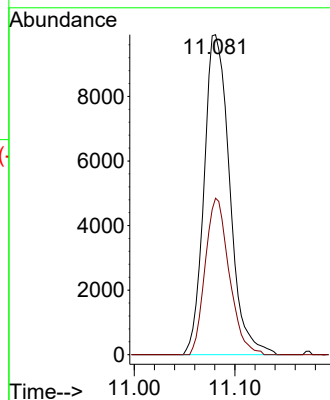
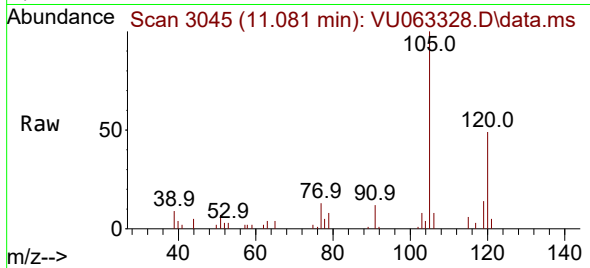




#62
1,3,5-Trimethylbenzene
Concen: 0.45 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

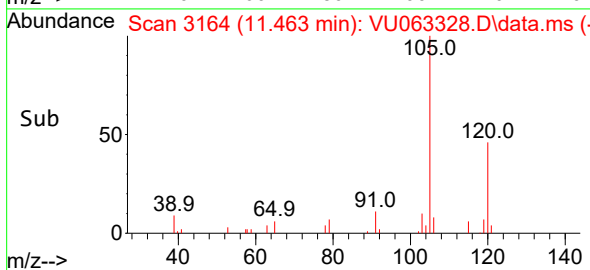
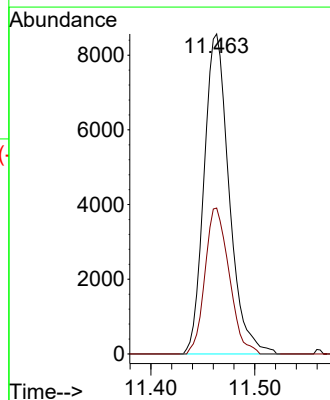
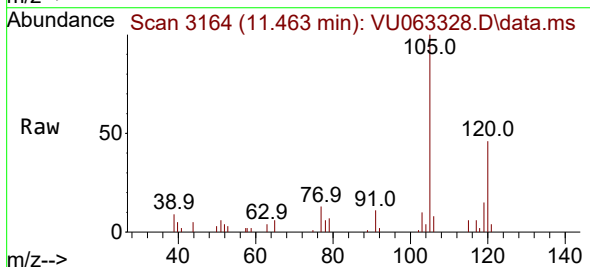
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

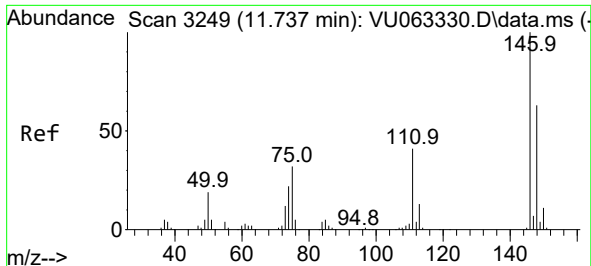
Tgt Ion:105 Resp: 17520
Ion Ratio Lower Upper
105 100
120 45.9 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 0.39 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:105 Resp: 14347
Ion Ratio Lower Upper
105 100
120 44.0 35.0 52.6

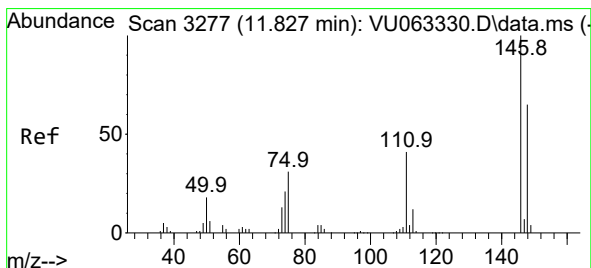
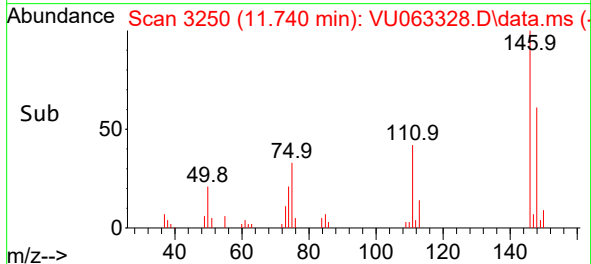
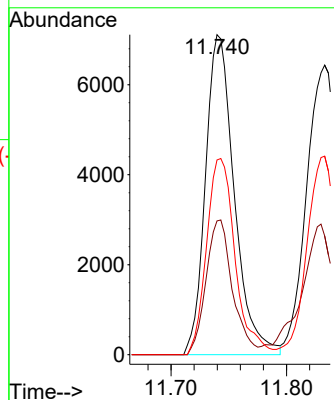
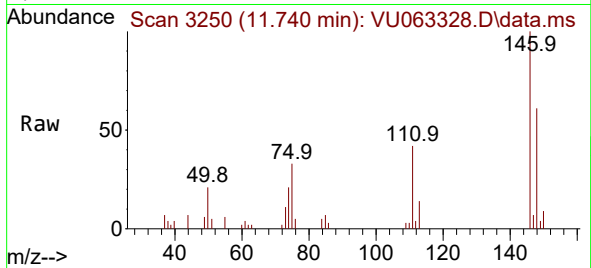




#64
 1,3-Dichlorobenzene
 Concen: 0.51 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

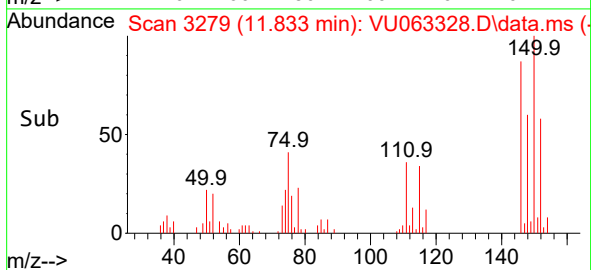
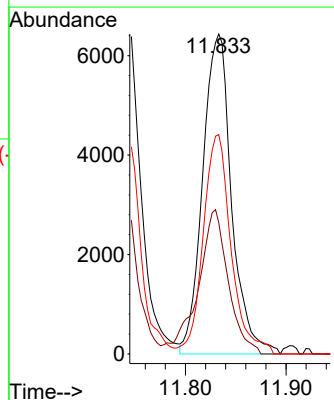
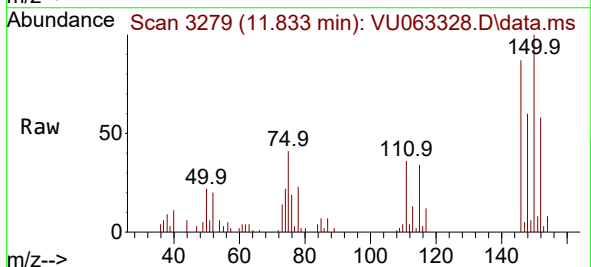
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

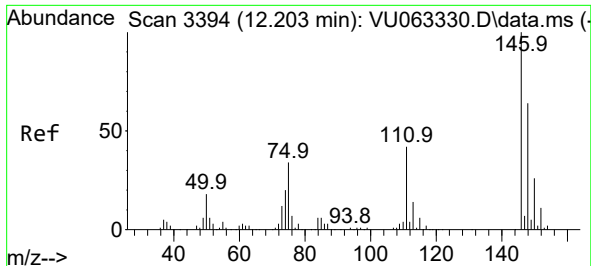
Tgt Ion:146 Resp: 12346
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.4 52.8
 148 60.8 44.0 81.6



#65
 1,4-Dichlorobenzene
 Concen: 0.54 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.006 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion:146 Resp: 12840
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.8 53.6
 148 68.6 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.53 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5012

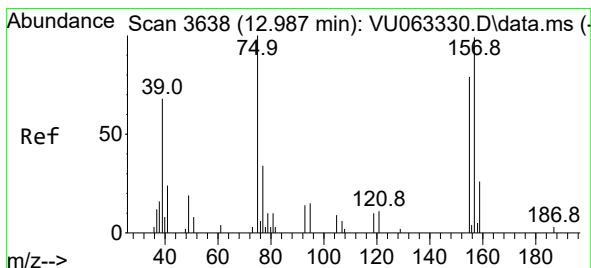
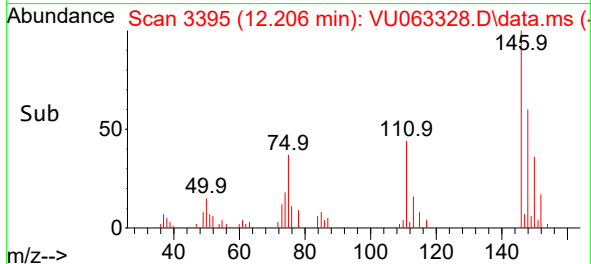
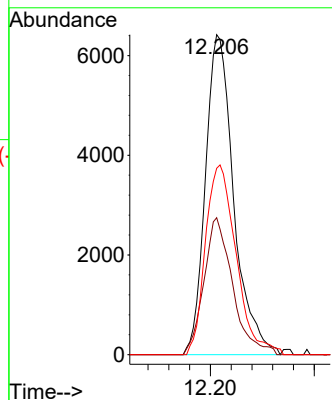
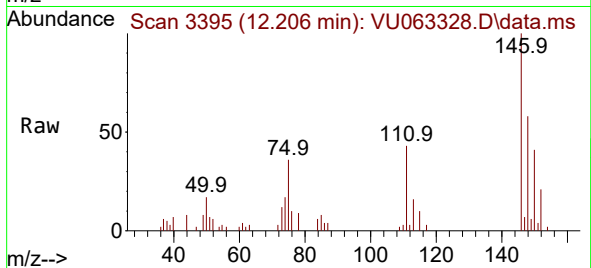
Tgt Ion:146 Resp: 12159

Ion Ratio Lower Upper

146 100

111 42.8 33.8 50.8

148 58.3 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.55 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.010 min

Lab File: VU063328.D

Acq: 03 Apr 2025 14:46

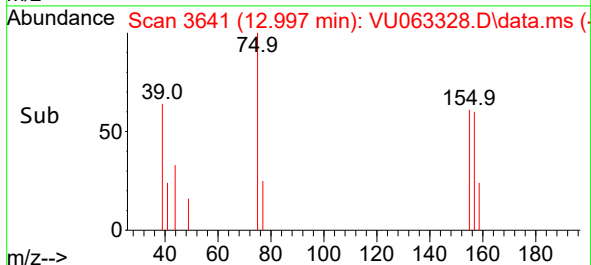
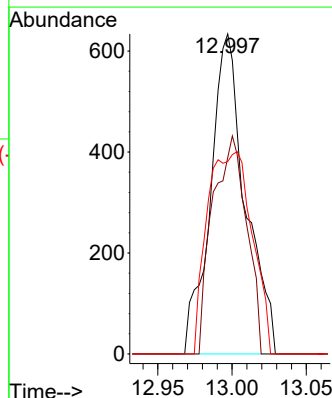
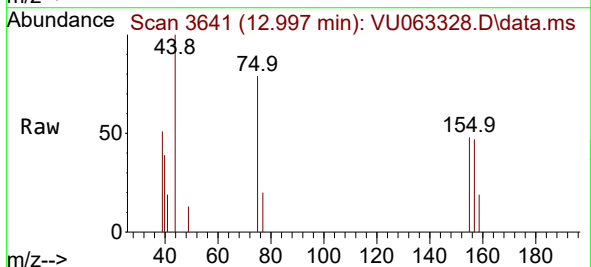
Tgt Ion: 75 Resp: 1040

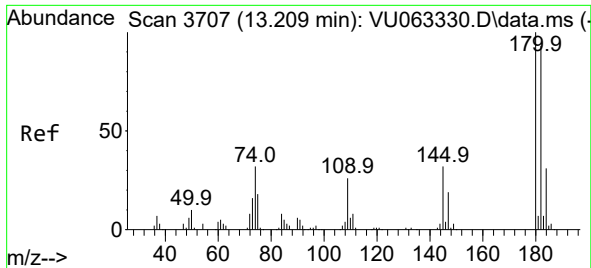
Ion Ratio Lower Upper

75 100

155 61.4 63.6 95.4#

157 60.1 78.9 118.3#

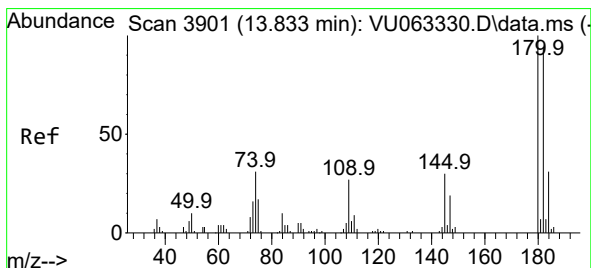
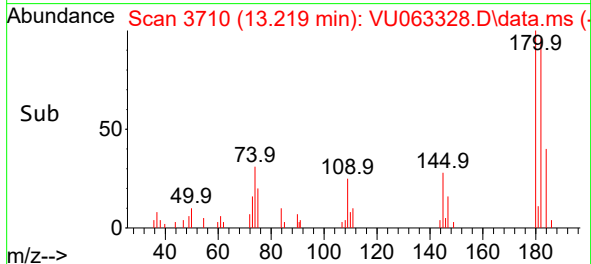
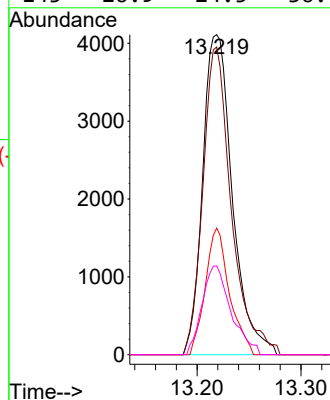
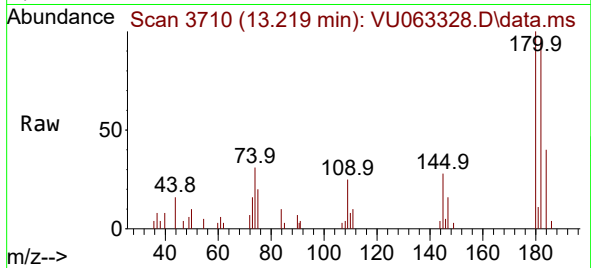




#69
 1,3,5-Trichlorobenzene
 Concen: 0.50 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

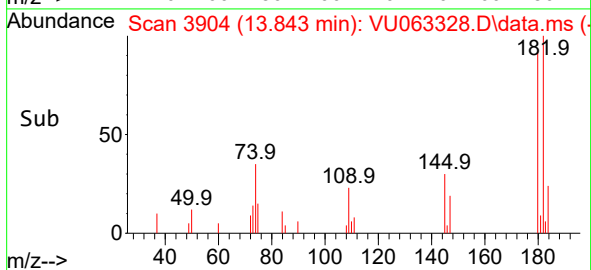
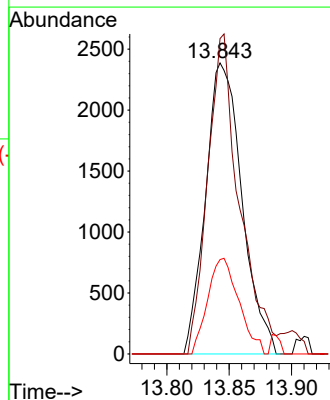
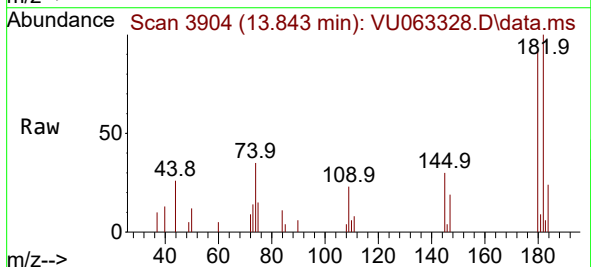
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5012

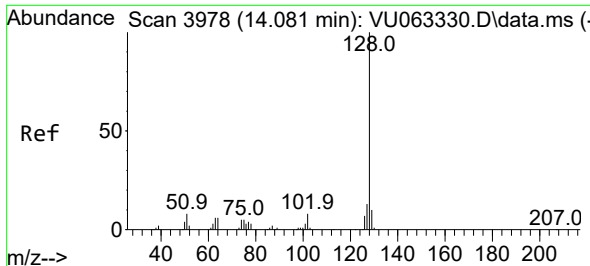
Tgt Ion:180	Resp:	8167
Ion	Ratio	Lower Upper
180	100	
182	92.3	75.8 113.6
184	32.1	24.6 37.0
145	26.9	24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 0.42 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.010 min
 Lab File: VU063328.D
 Acq: 03 Apr 2025 14:46

Tgt Ion:180	Resp:	4850
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.7 115.1
145	28.1	24.5 36.7

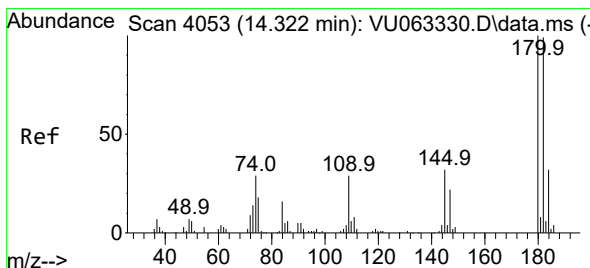
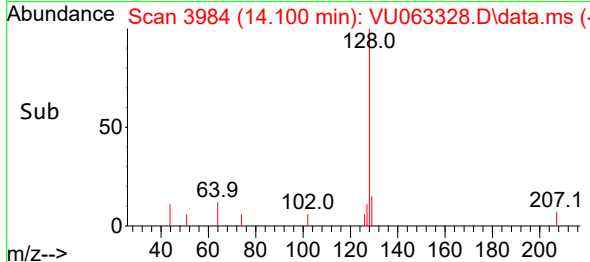
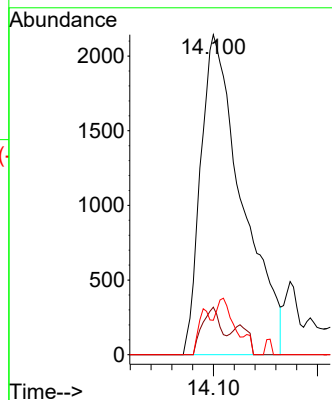
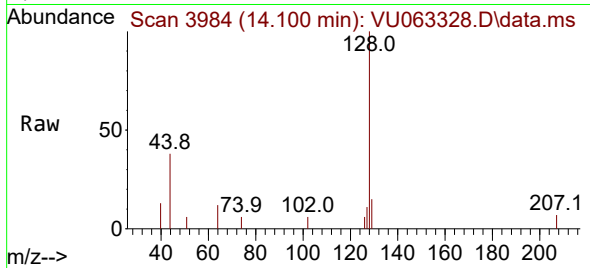




#71
Naphthalene
Concen: 0.35 ug/L
RT: 14.100 min Scan# 3978
Delta R.T. 0.019 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5012

Tgt Ion:128 Resp: 5916
Ion Ratio Lower Upper
128 100
129 6.7 8.5 12.7#
127 8.1 9.9 14.9#



#72
1,2,3-Trichlorobenzene
Concen: 0.42 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063328.D
Acq: 03 Apr 2025 14:46

Tgt Ion:180 Resp: 4263
Ion Ratio Lower Upper
180 100
182 99.7 77.3 115.9
145 33.9 26.8 40.2

