

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063605.D
 Acq On : 17 Sep 2025 15:06
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 28mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

Quant Time: Sep 18 06:27:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 06:17:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	162625	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	150866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	76085	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	36505	4.366	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.898	69	35483	4.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.554	65	17138	4.297	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.615	46	112930	46.940	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.880%
24) Chloroform-d	5.049	84	89439	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.689	65	47421	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
32) Benzene-d6	5.718	84	165326	4.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	52647	4.490	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.888	98	150926	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.174	79	14099	4.392	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.624	63	78290	46.297	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.600%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	43341	4.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	54727	4.630	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	60335	4.662	ug/L	99
3) Chloromethane	1.515	50	66362	4.632	ug/L	99
5) Vinyl chloride	1.596	62	72368	4.720	ug/L	96
6) Bromomethane	1.840	94	42422	4.683	ug/L	98
8) Chloroethane	1.920	64	46220	4.885	ug/L	99
9) Trichlorofluoromethane	2.126	101	95482	4.759	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	54065	4.764	ug/L	99
12) 1,1-Dichloroethene	2.567	96	48853	4.644	ug/L	88
13) Acetone	2.618	43	95254	45.077	ug/L	100
14) Carbon disulfide	2.779	76	125349	4.510	ug/L	100
15) Methyl Acetate	2.946	43	21658	4.525	ug/L	100
16) Methylene chloride	3.030	84	69850	5.674	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	123592	4.766	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	53162	4.891	ug/L	96
19) 1,1-Dichloroethane	3.856	63	104558	4.723	ug/L	98
21) 2-Butanone	4.695	43	136991	44.687	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	59454	4.810	ug/L	97
23) Bromochloromethane	4.962	128	26779	4.891	ug/L	96
25) Chloroform	5.075	83	109347	4.818	ug/L	98

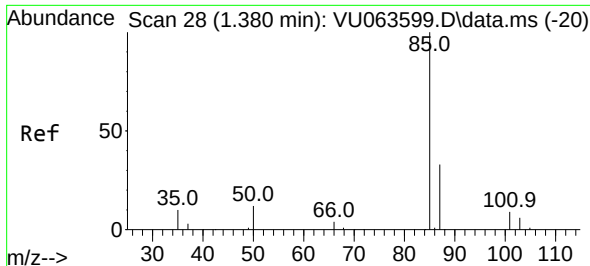
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	72348	4.810	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	82617	4.779	ug/L	99
30) Cyclohexane	5.374	56	99215	4.865	ug/L	99
31) Carbon tetrachloride	5.512	117	65459	4.836	ug/L	100
33) Benzene	5.763	78	229752	4.873	ug/L	100
34) Trichloroethene	6.531	95	63328	4.898	ug/L	99
35) Methylcyclohexane	6.750	83	96830	4.909	ug/L	98
37) 1,2-Dichloropropane	6.779	63	62577	4.900	ug/L	100
38) Bromodichloromethane	7.094	83	67578	4.947	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	70440	4.863	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	363798	49.766	ug/L	100
42) Toluene	7.959	91	250249	4.949	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	51747	4.863	ug/L	95
45) 1,1,2-Trichloroethane	8.390	97	43811	5.011	ug/L	95
47) Tetrachloroethene	8.544	164	48253	4.888	ug/L	97
48) 2-Hexanone	8.672	43	251071	48.960	ug/L	99
49) Dibromochloromethane	8.798	129	38823	4.857	ug/L	97
50) 1,2-Dibromoethane	8.914	107	39081	5.010	ug/L	97
51) Chlorobenzene	9.438	112	159201	4.862	ug/L	99
52) Ethylbenzene	9.563	91	275503	4.950	ug/L	99
53) m,p-Xylene	9.685	106	101580	4.865	ug/L	96
54) o-Xylene	10.090	106	101561	5.026	ug/L	98
55) Styrene	10.107	104	164865	4.974	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	50396	4.825	ug/L	95
59) Bromoform	10.280	173	19939	4.840	ug/L	95
60) Isopropylbenzene	10.476	105	271356	4.958	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	37709	5.000	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	224523	5.045	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	215000	5.059	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	121100	4.937	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	124826	5.041	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	112496	4.913	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	6180	5.307	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	87858	4.786	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	82600	5.831	ug/L	100
71) Naphthalene	14.081	128	92045	4.342	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	56727	4.664	ug/L	97

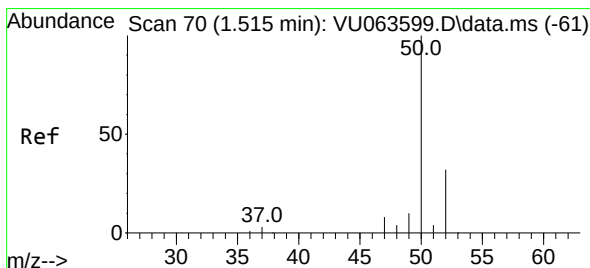
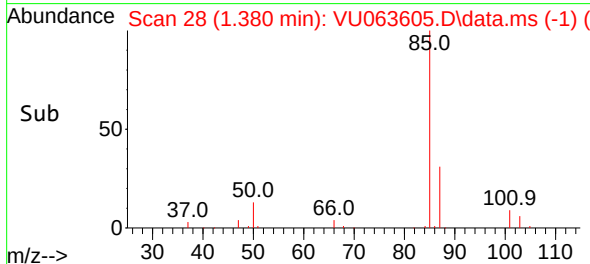
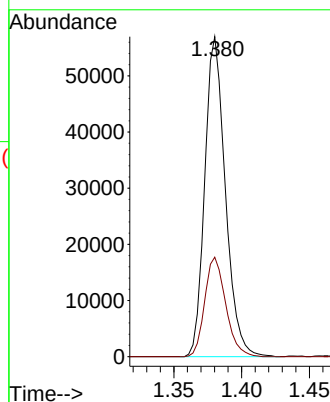
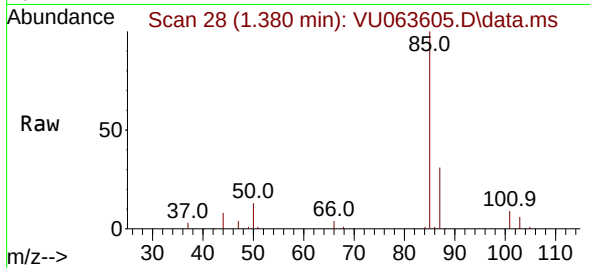
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#2
 Dichlorodifluoromethane
 Concen: 4.662 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

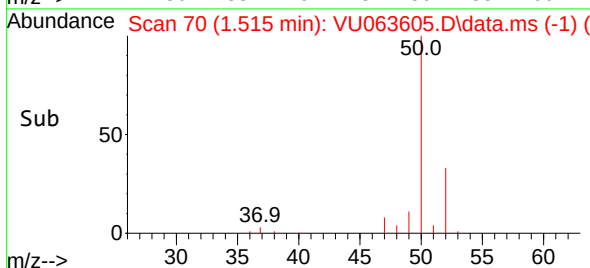
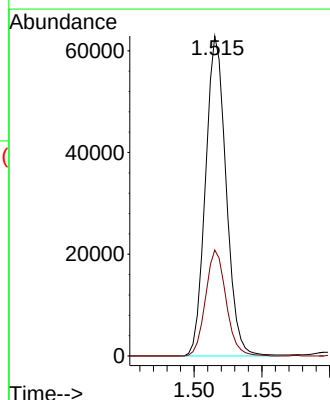
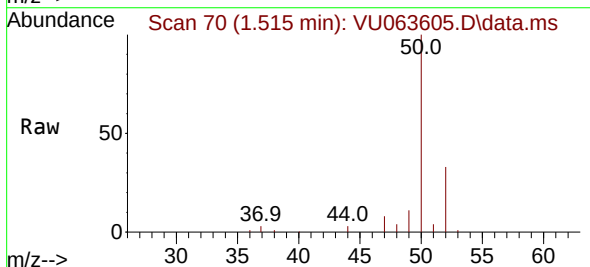
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

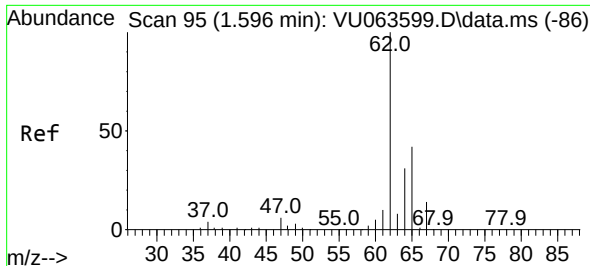
Tgt Ion: 85 Resp: 60335
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.8 38.8



#3
 Chloromethane
 Concen: 4.632 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion: 50 Resp: 66362
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.6 42.0

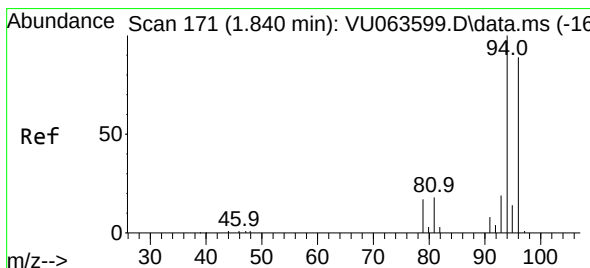
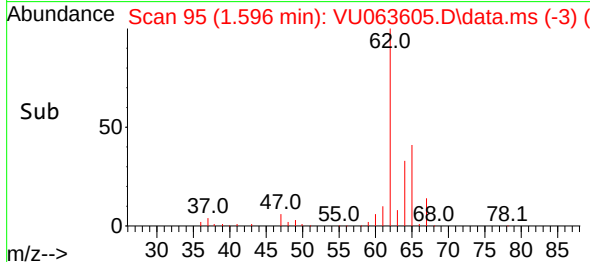
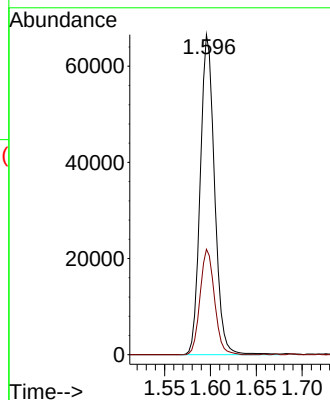
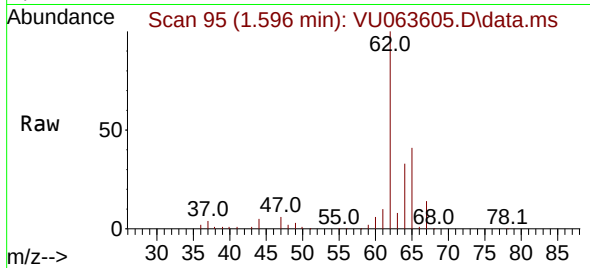




#5
 Vinyl chloride
 Concen: 4.720 ug/L
 RT: 1.596 min Scan# 95
 Delta R.T. -0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

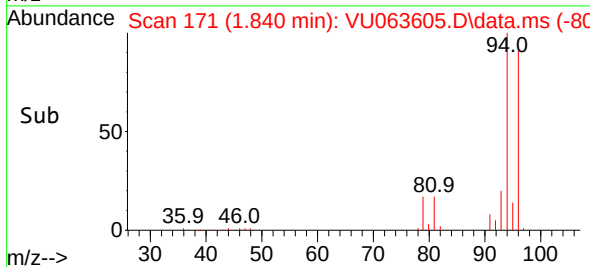
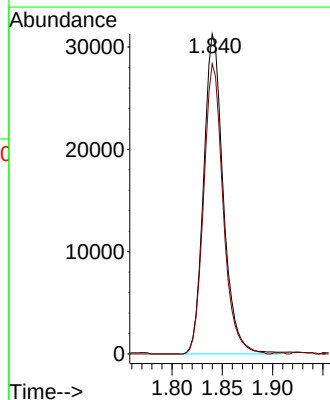
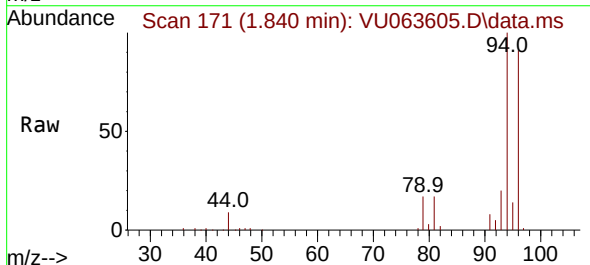
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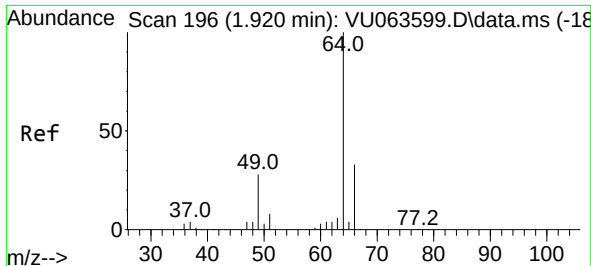
Tgt Ion: 62 Resp: 72368
 Ion Ratio Lower Upper
 62 100
 64 32.9 21.5 39.9



#6
 Bromomethane
 Concen: 4.683 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion: 94 Resp: 42422
 Ion Ratio Lower Upper
 94 100
 96 90.7 62.4 116.0

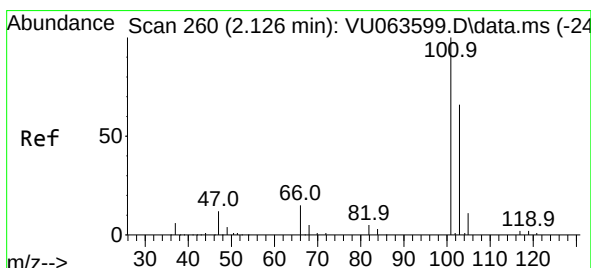
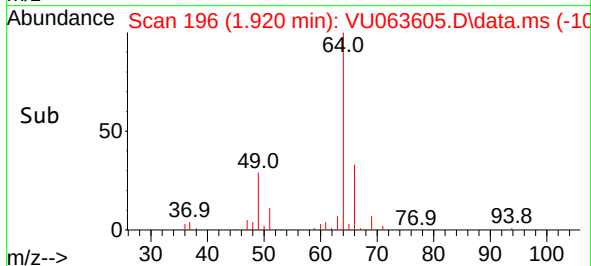
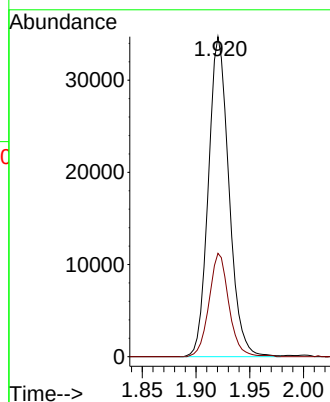
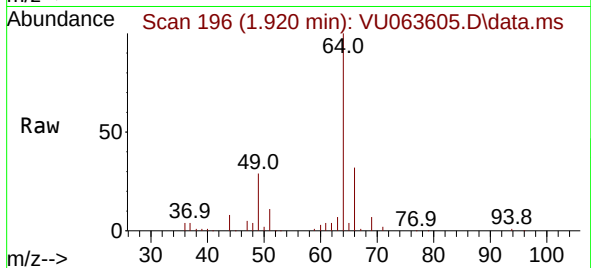




#8
Chloroethane
Concen: 4.885 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

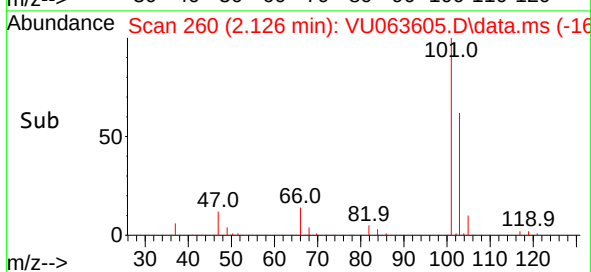
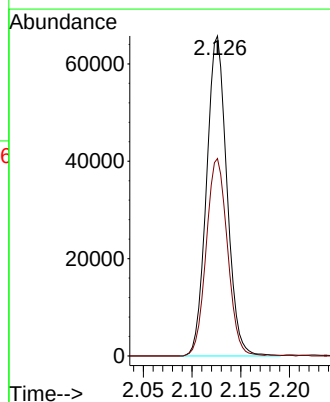
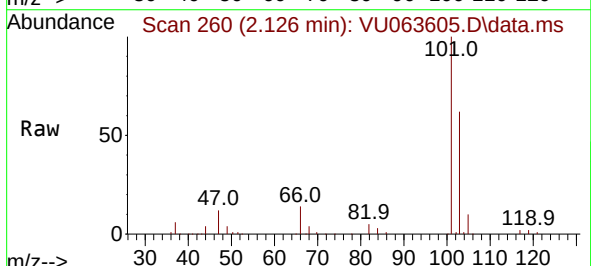
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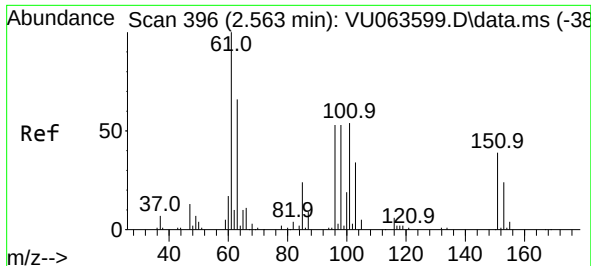
Tgt Ion: 64 Resp: 46220
Ion Ratio Lower Upper
64 100
66 32.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.759 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion:101 Resp: 95482
Ion Ratio Lower Upper
101 100
103 64.3 52.8 79.2

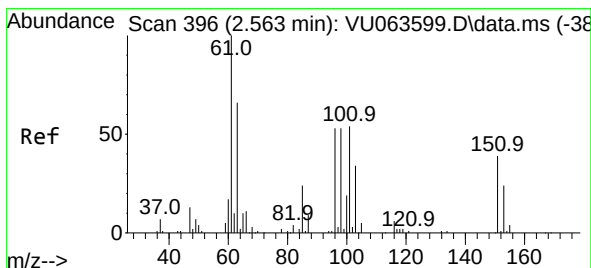
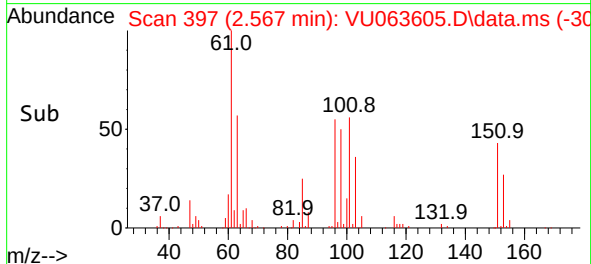
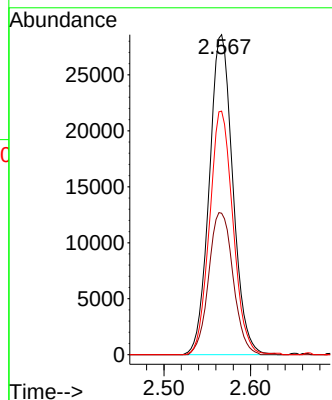
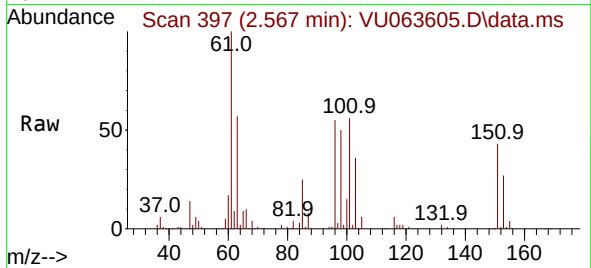




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.764 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

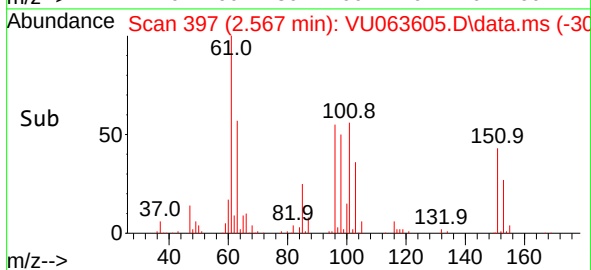
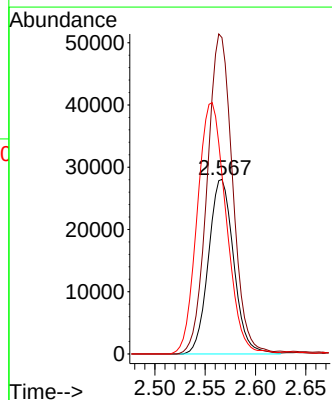
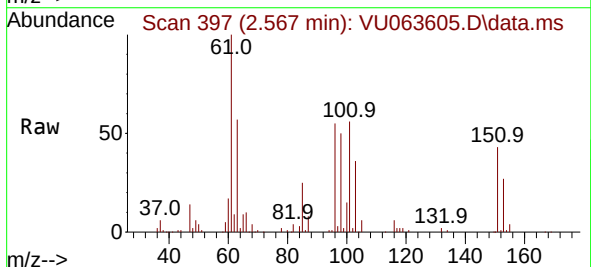
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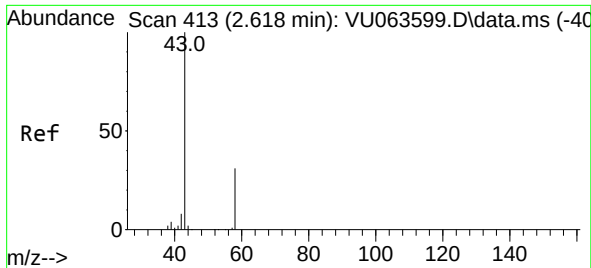
Tgt Ion:101 Resp: 54065
 Ion Ratio Lower Upper
 101 100
 85 45.9 36.4 54.6
 151 75.7 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 4.644 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion: 96 Resp: 48853
 Ion Ratio Lower Upper
 96 100
 61 181.3 132.4 245.8
 63 102.7 89.0 165.4





#13

Acetone

Concen: 45.077 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

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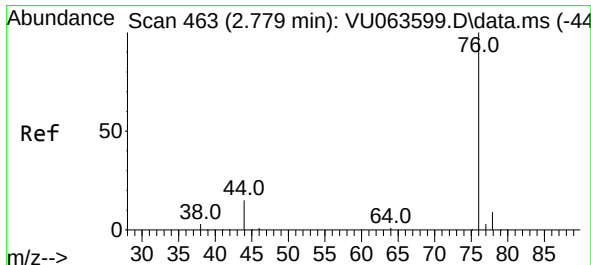
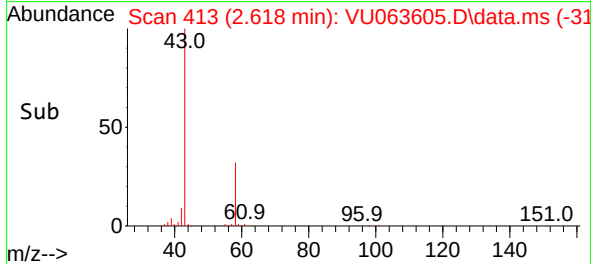
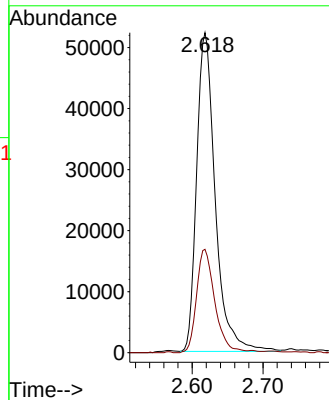
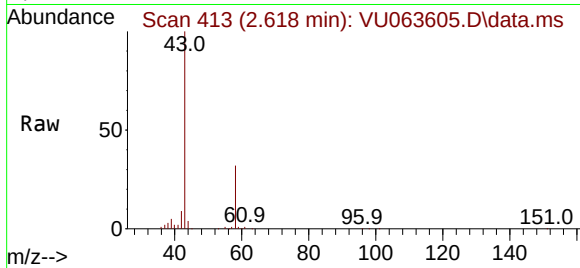
VSTD005145

Tgt Ion: 43 Resp: 95254

Ion Ratio Lower Upper

43 100

58 31.7 0.0 63.6



#14

Carbon disulfide

Concen: 4.510 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063605.D

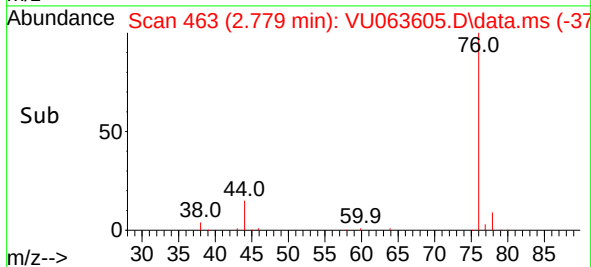
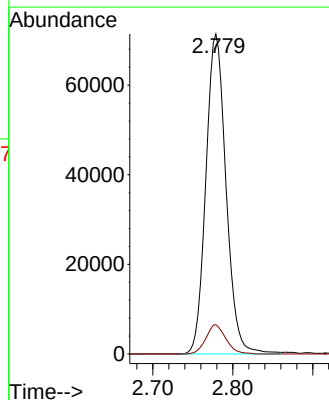
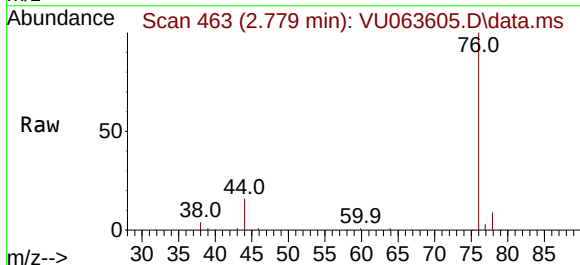
Acq: 17 Sep 2025 15:06

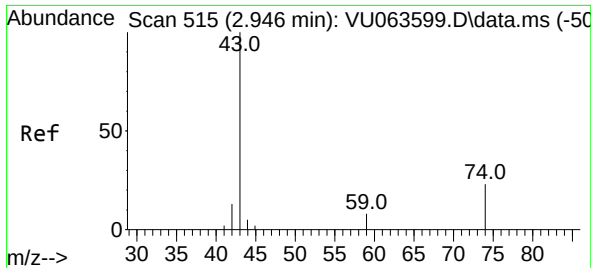
Tgt Ion: 76 Resp: 125349

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

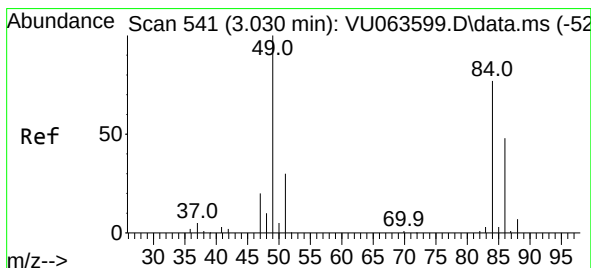
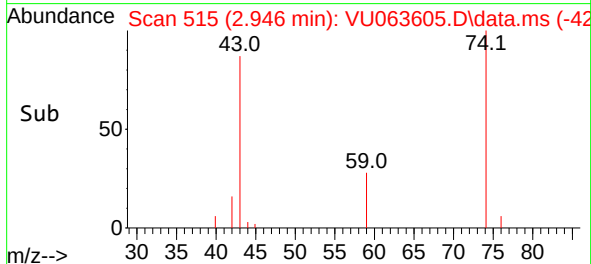
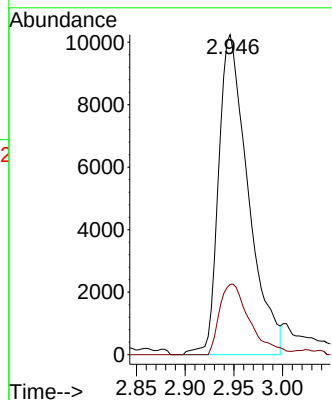
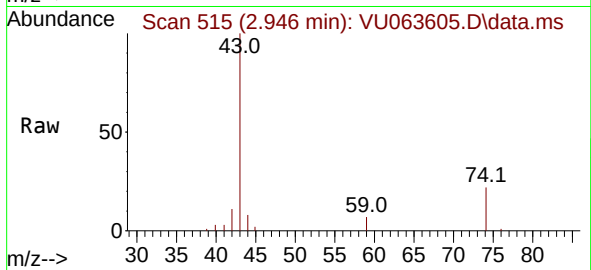




#15
Methyl Acetate
Concen: 4.525 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

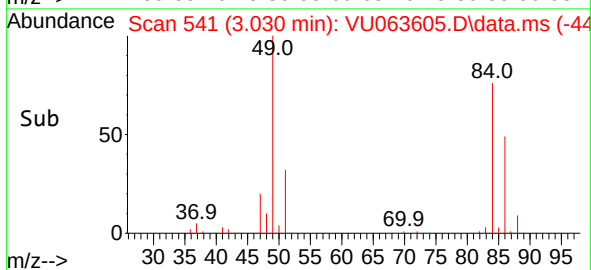
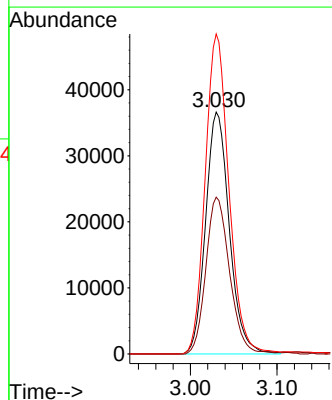
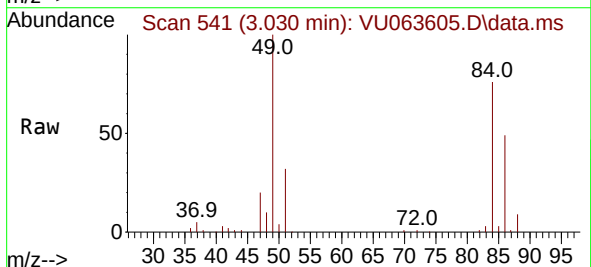
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

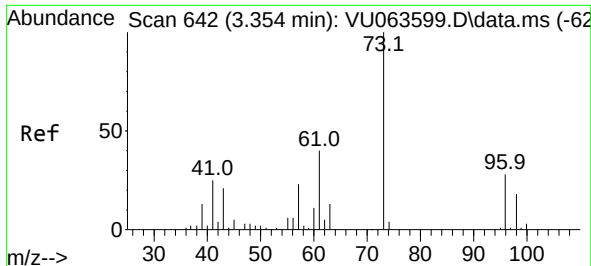
Tgt Ion: 43 Resp: 21658
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.2



#16
Methylene chloride
Concen: 5.674 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 84 Resp: 69850
Ion Ratio Lower Upper
84 100
86 64.8 43.1 80.1
49 132.3 90.6 168.2

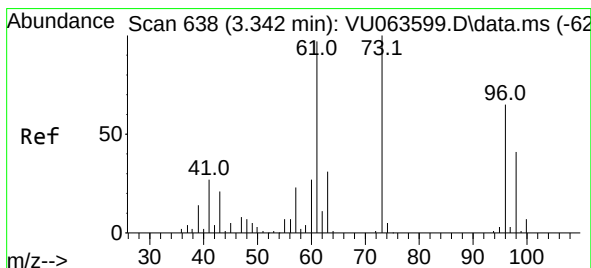
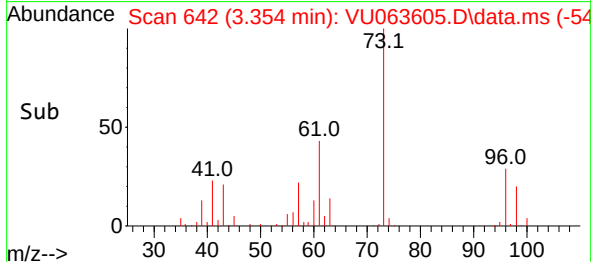
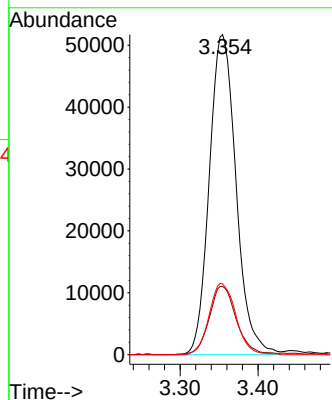
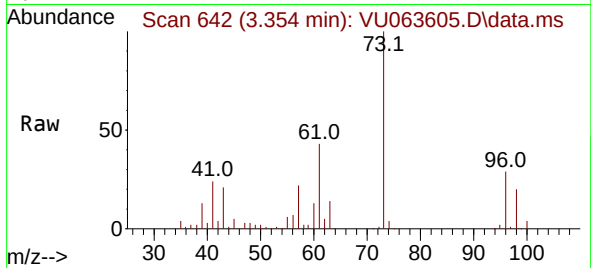




#17
Methyl tert-butyl Ether
Concen: 4.766 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

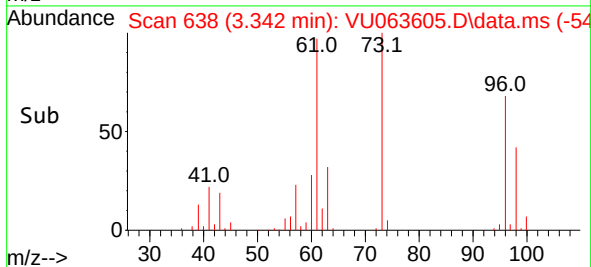
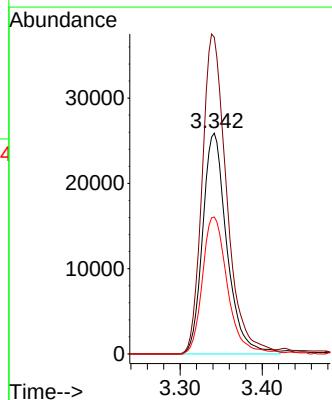
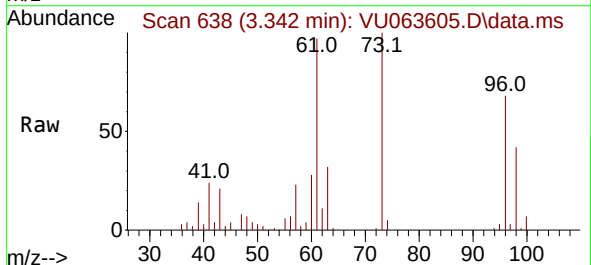
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

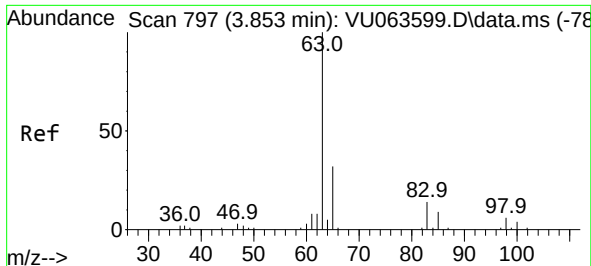
Tgt Ion: 73 Resp: 123592
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.4
57 22.3 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 4.891 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 96 Resp: 53162
Ion Ratio Lower Upper
96 100
61 143.4 104.9 194.7
98 62.0 44.3 82.3

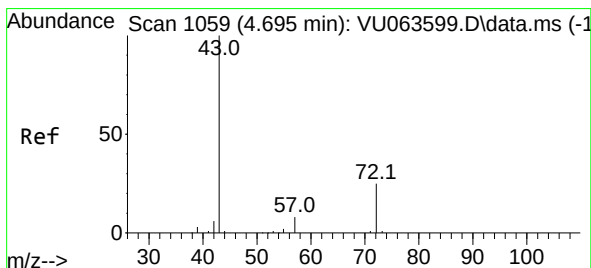
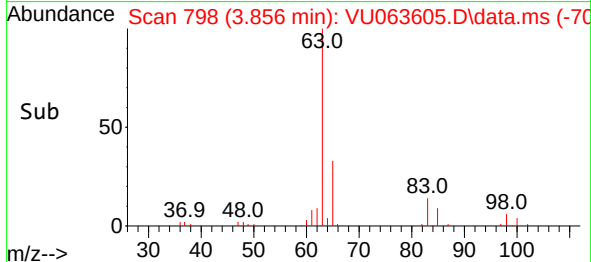
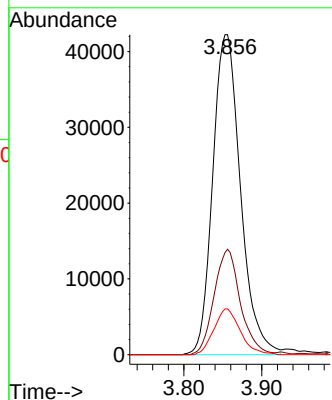
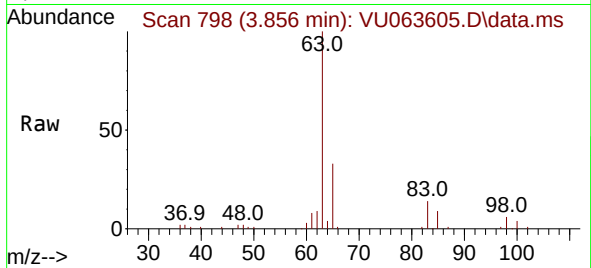




#19
1,1-Dichloroethane
Concen: 4.723 ug/L
RT: 3.856 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

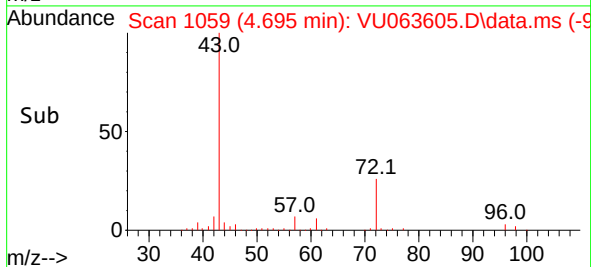
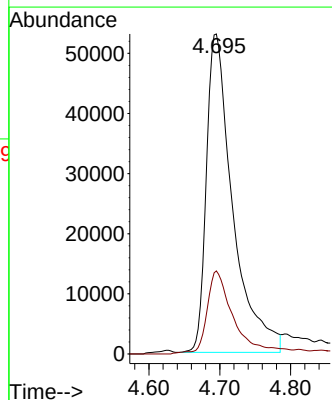
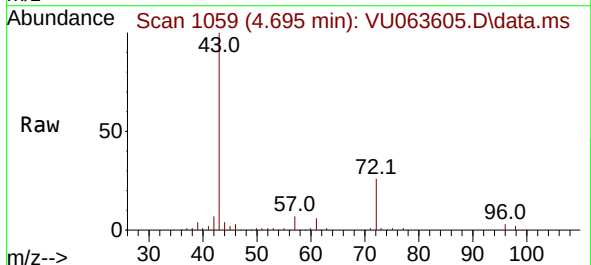
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

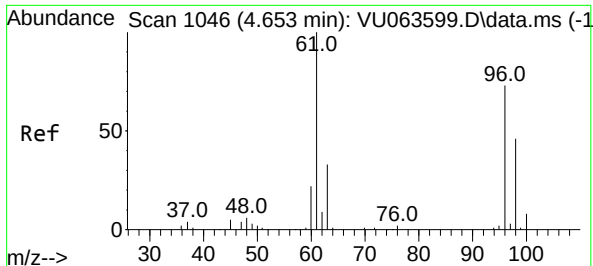
Tgt Ion: 63 Resp: 104558
Ion Ratio Lower Upper
63 100
65 32.9 22.1 41.1
83 14.3 9.7 17.9



#21
2-Butanone
Concen: 44.687 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 43 Resp: 136991
Ion Ratio Lower Upper
43 100
72 26.4 11.9 35.7





#22

cis-1,2-Dichloroethene

Concen: 4.810 ug/L

RT: 4.650 min Scan# 1046

Delta R.T. -0.006 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

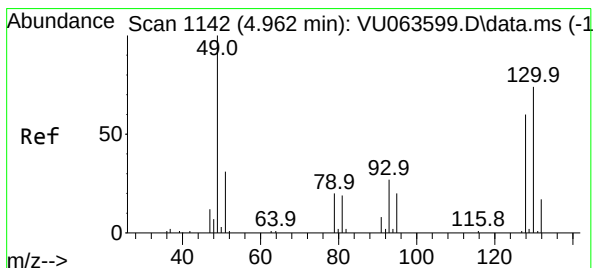
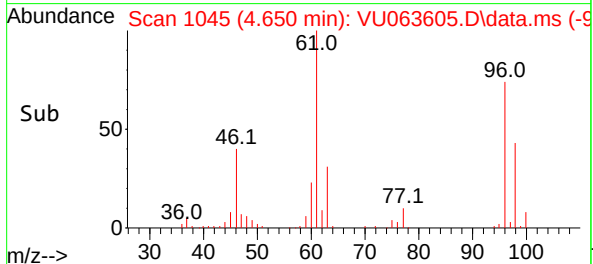
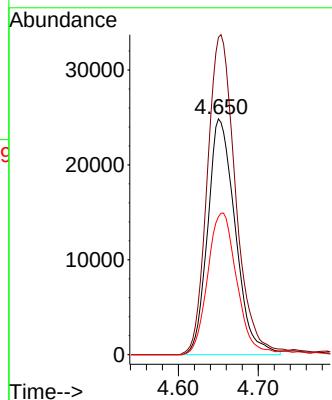
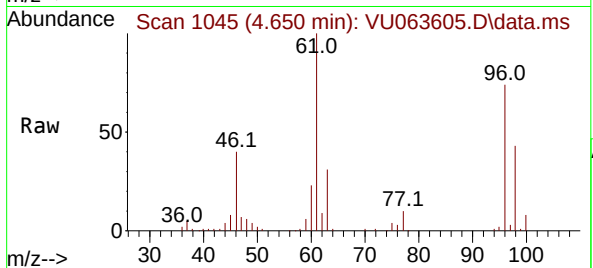
Tgt Ion: 96 Resp: 59454

Ion Ratio Lower Upper

96 100

61 134.6 95.8 177.8

98 58.5 43.5 80.9



#23

Bromochloromethane

Concen: 4.891 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Tgt Ion: 128 Resp: 26779

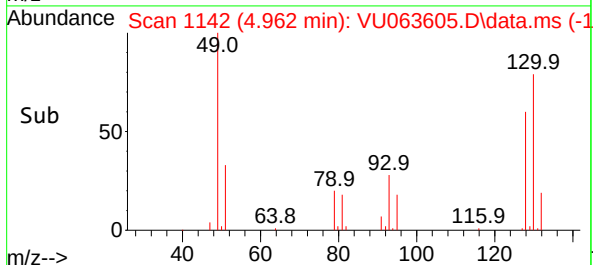
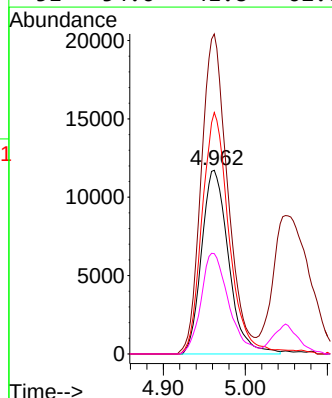
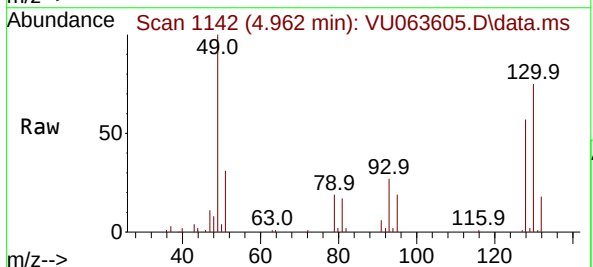
Ion Ratio Lower Upper

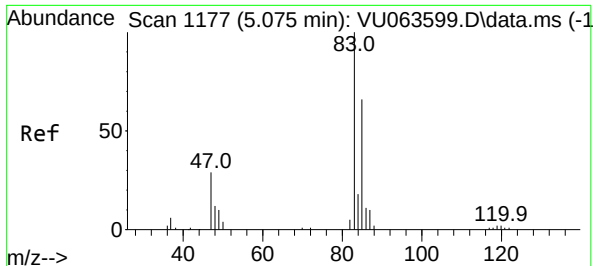
128 100

49 174.2 118.4 219.8

130 131.4 87.6 162.6

51 54.6 41.8 62.6





#25

Chloroform

Concen: 4.818 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

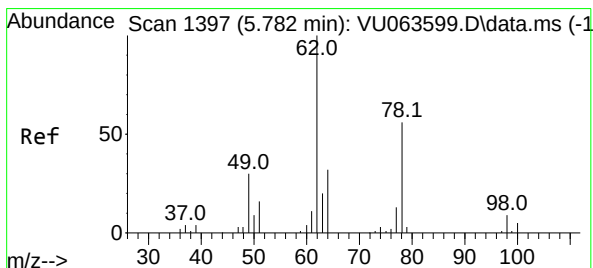
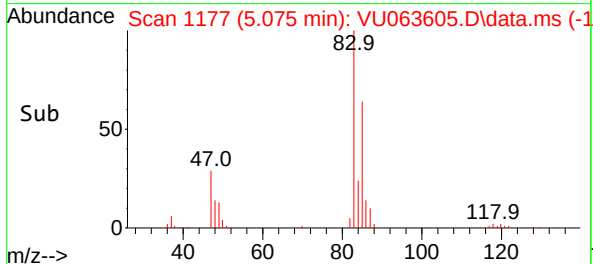
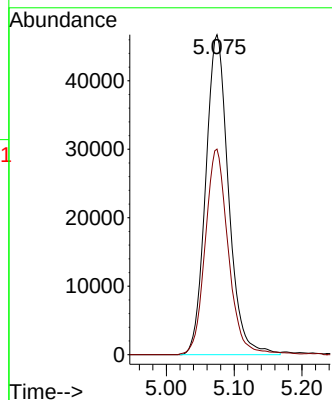
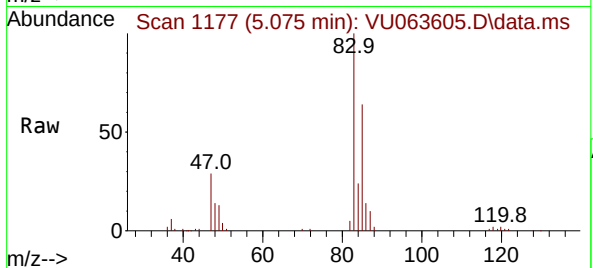
VSTD005145

Tgt Ion: 83 Resp: 109347

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.810 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063605.D

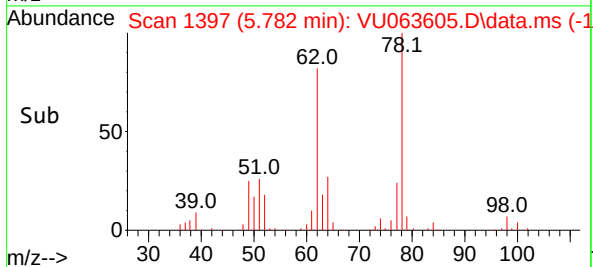
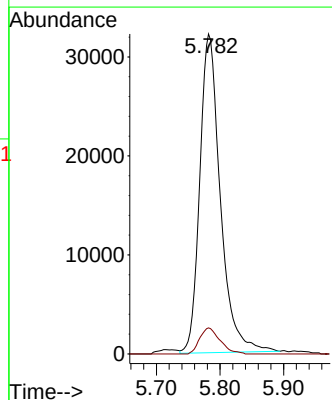
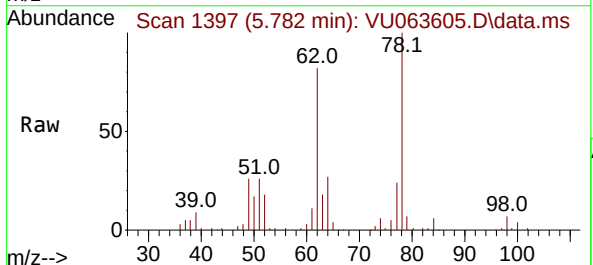
Acq: 17 Sep 2025 15:06

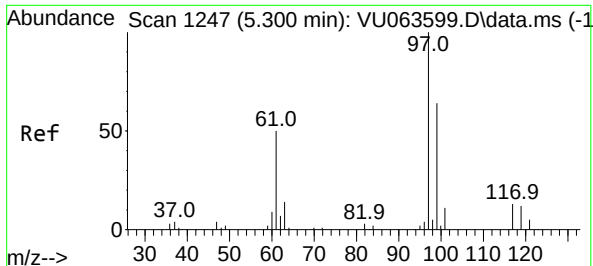
Tgt Ion: 62 Resp: 72348

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.4

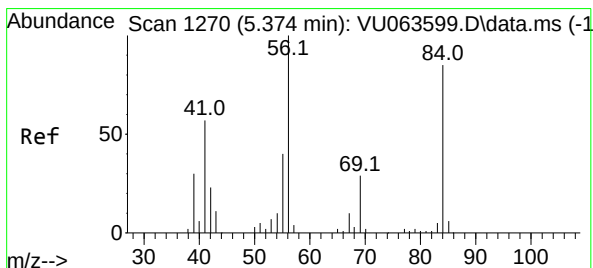
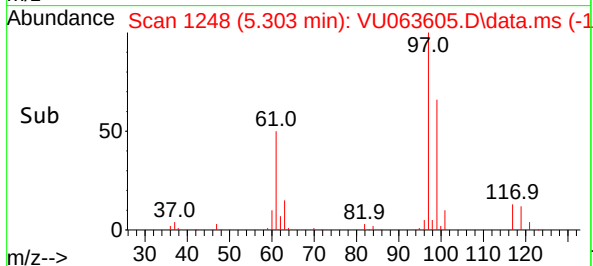
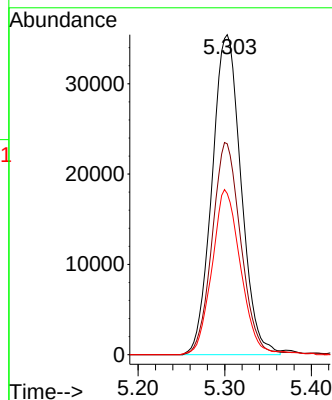
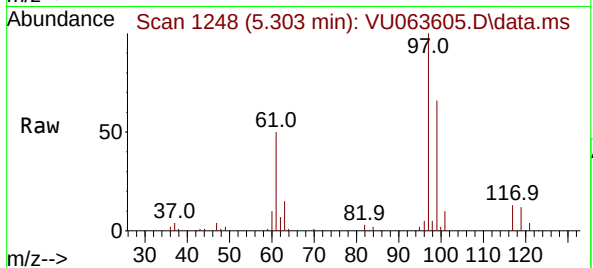




#29
1,1,1-Trichloroethane
Concen: 4.779 ug/L
RT: 5.303 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

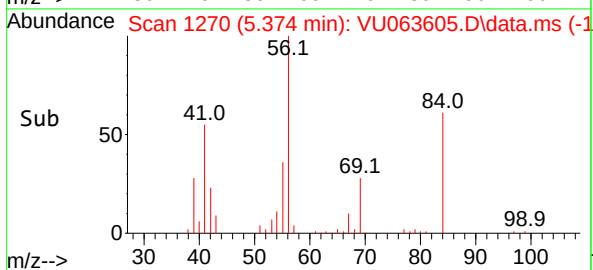
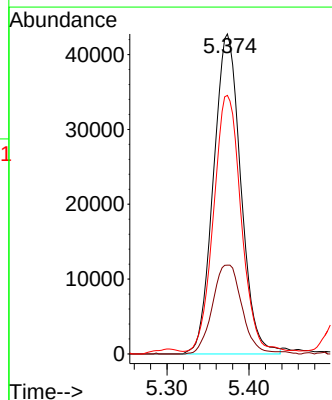
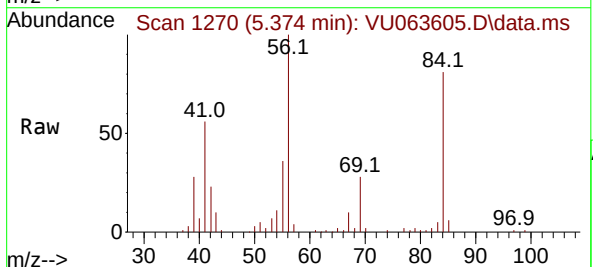
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

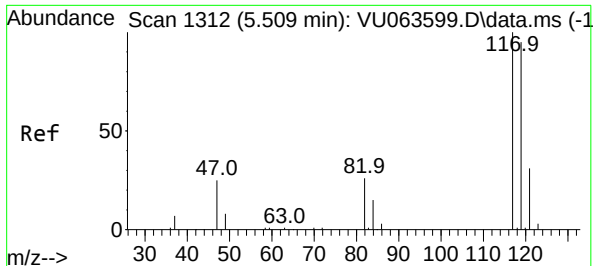
Tgt Ion: 97 Resp: 82617
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 50.4 39.9 59.9



#30
Cyclohexane
Concen: 4.865 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 56 Resp: 99215
Ion Ratio Lower Upper
56 100
69 29.8 23.2 34.8
84 80.8 65.0 97.4

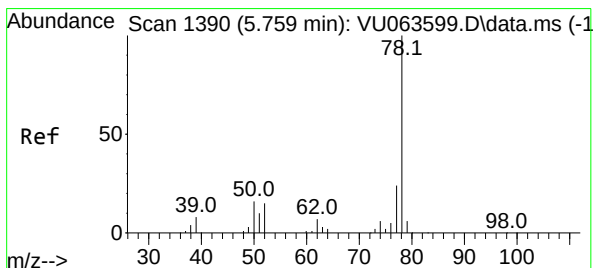
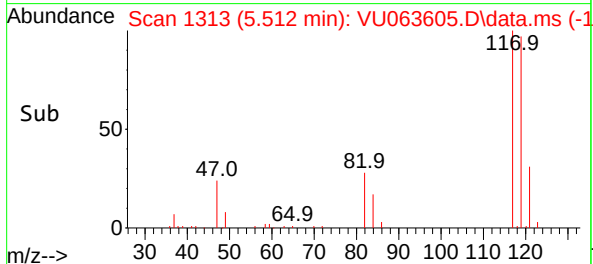
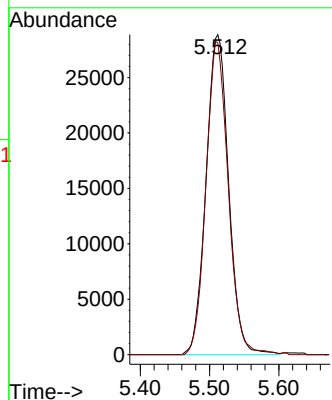
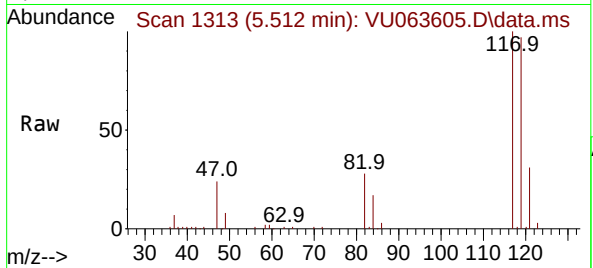




#31
Carbon tetrachloride
Concen: 4.836 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

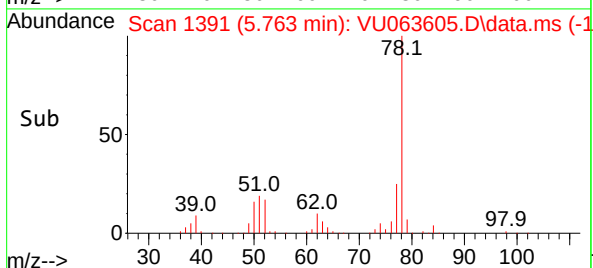
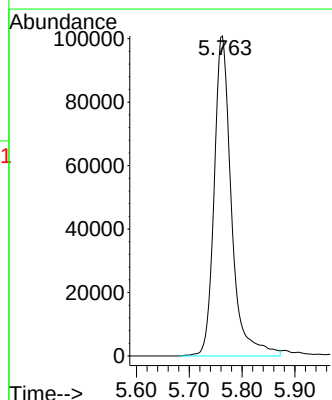
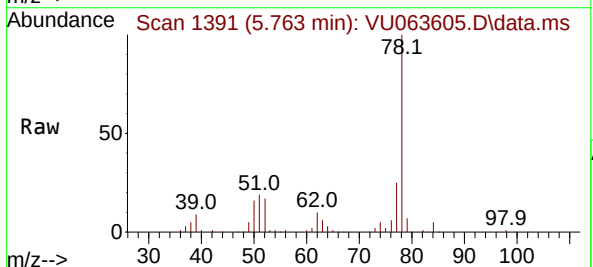
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

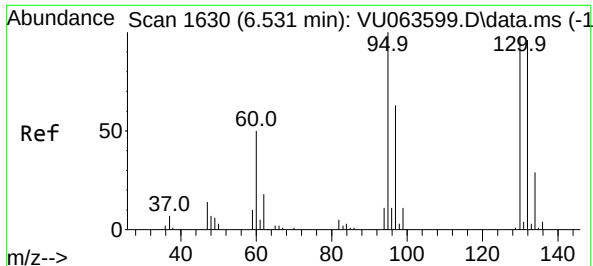
Tgt Ion:117 Resp: 65459
Ion Ratio Lower Upper
117 100
119 96.2 76.8 115.2



#33
Benzene
Concen: 4.873 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 78 Resp: 229752



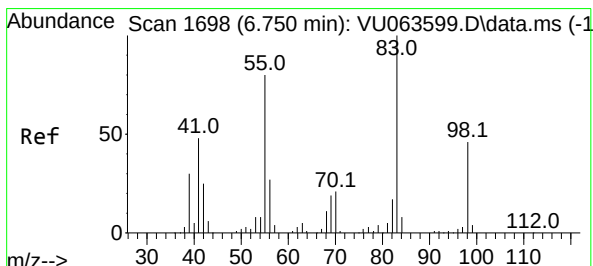
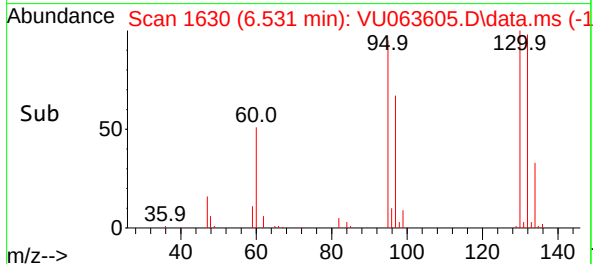
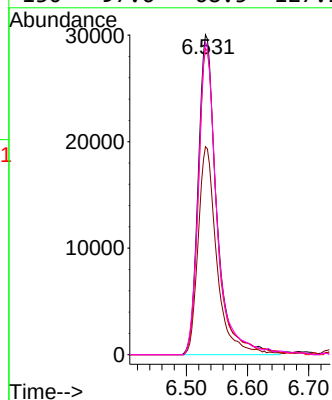
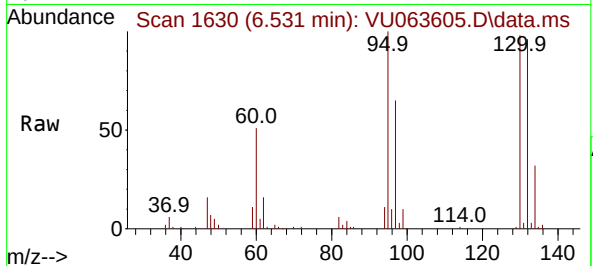


#34
Trichloroethene
Concen: 4.898 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion: 95 Resp: 63328

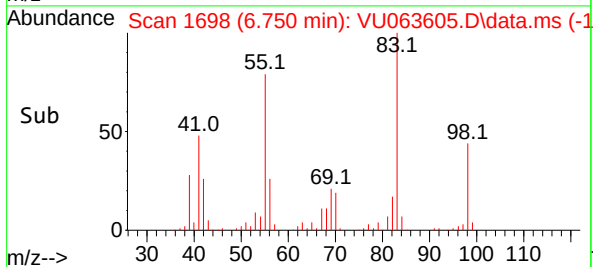
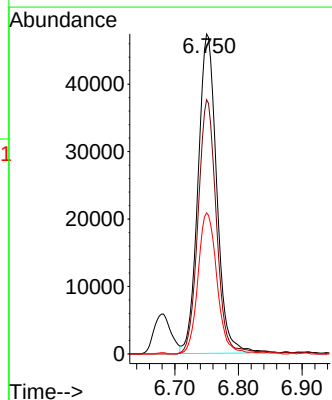
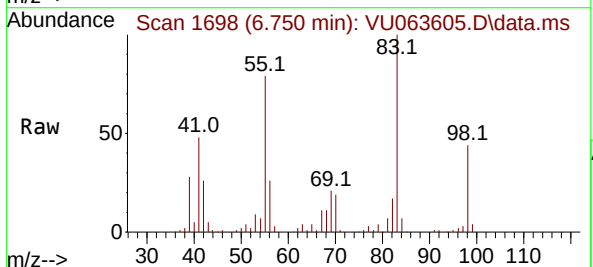
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.0	81.6
132	95.7	67.1	124.5
130	97.6	68.5	127.1

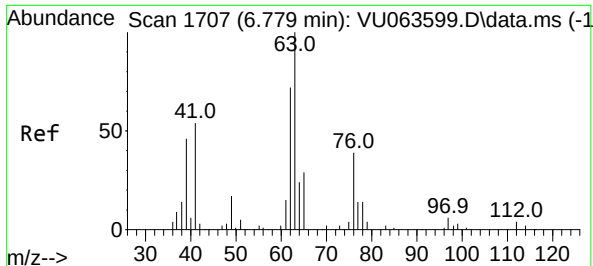


#35
Methylcyclohexane
Concen: 4.909 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 83 Resp: 96830

Ion	Ratio	Lower	Upper
83	100		
55	77.7	63.9	95.9
98	45.1	36.2	54.2





#37

1,2-Dichloropropane

Concen: 4.900 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

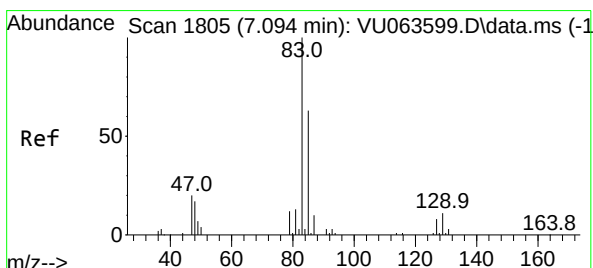
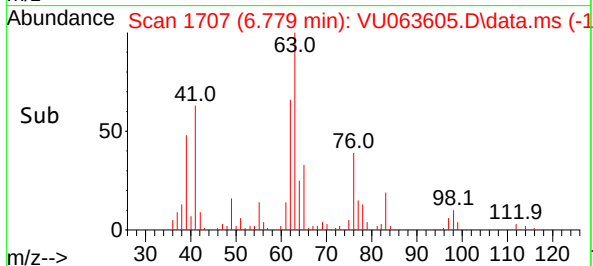
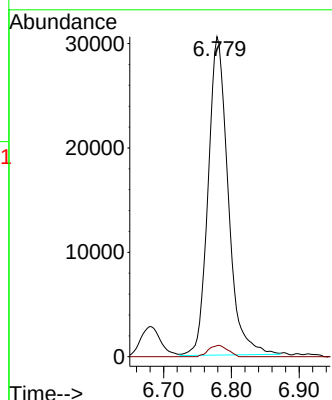
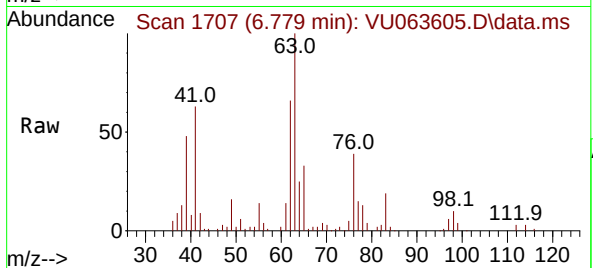
VSTD005145

Tgt Ion: 63 Resp: 62577

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 4.947 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

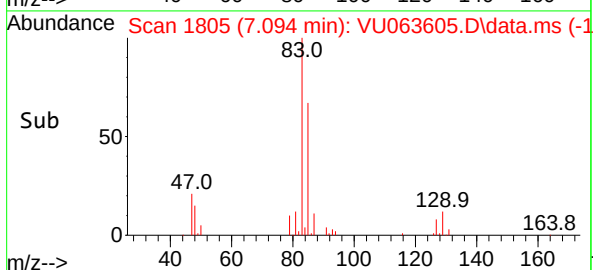
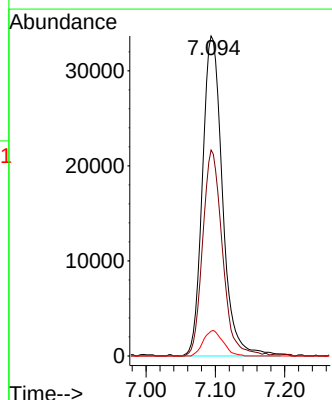
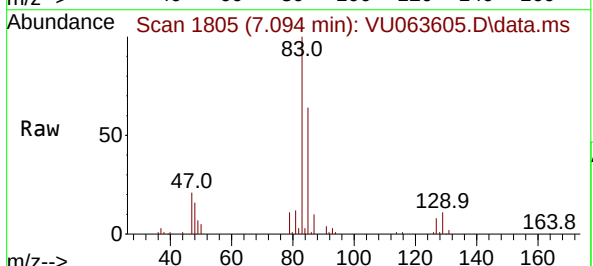
Tgt Ion: 83 Resp: 67578

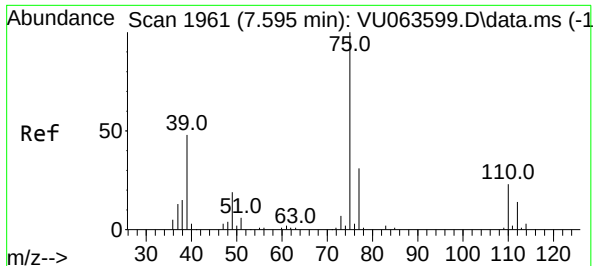
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.863 ug/L

RT: 7.599 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

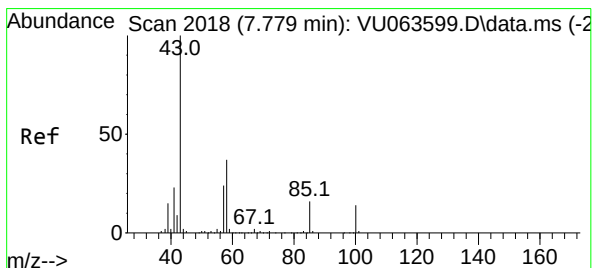
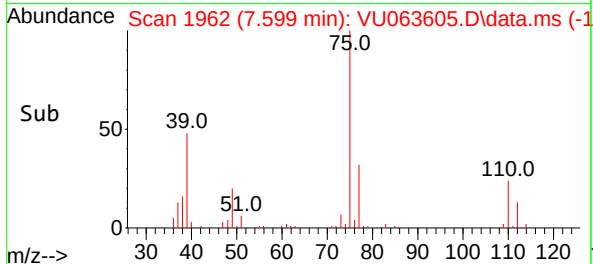
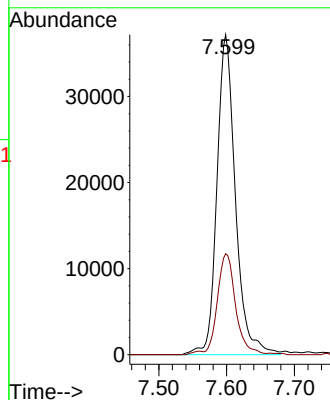
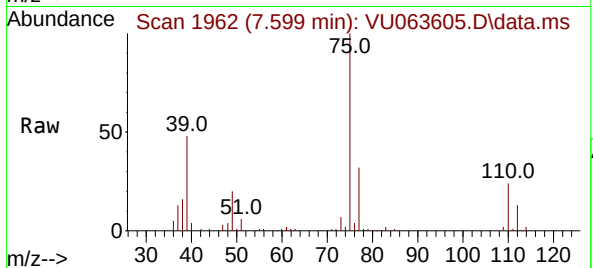
VSTD005145

Tgt Ion: 75 Resp: 70440

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 49.766 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

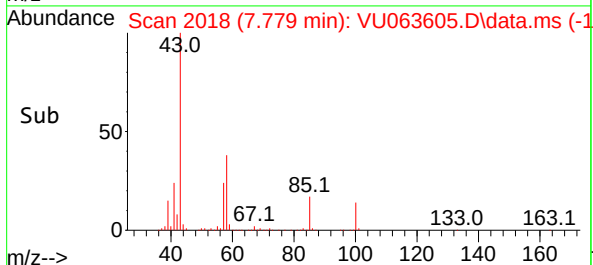
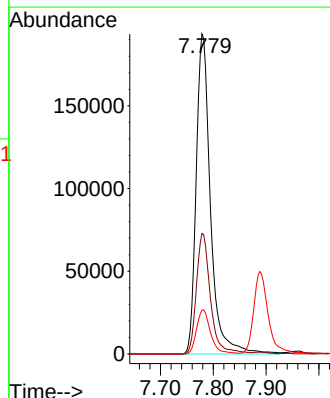
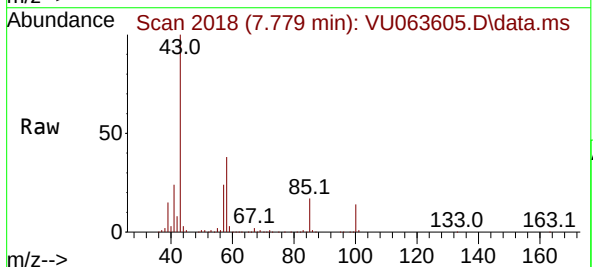
Tgt Ion: 43 Resp: 363798

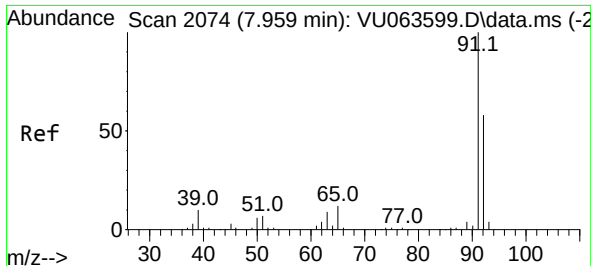
Ion Ratio Lower Upper

43 100

58 36.9 29.6 44.4

100 13.5 10.6 16.0





#42

Toluene

Concen: 4.949 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

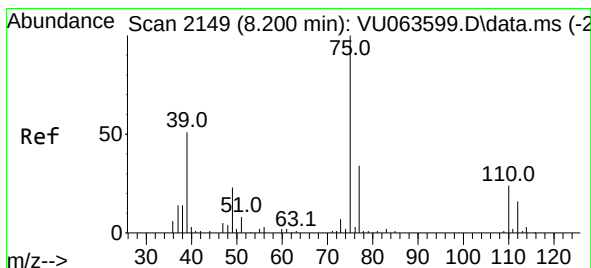
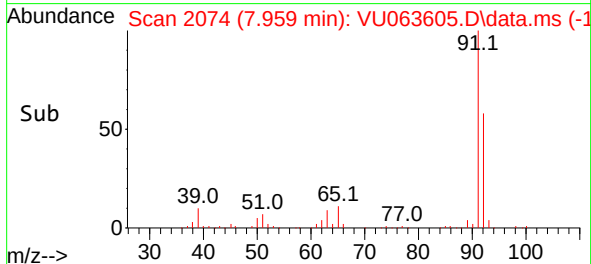
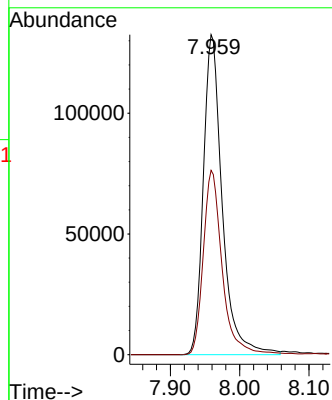
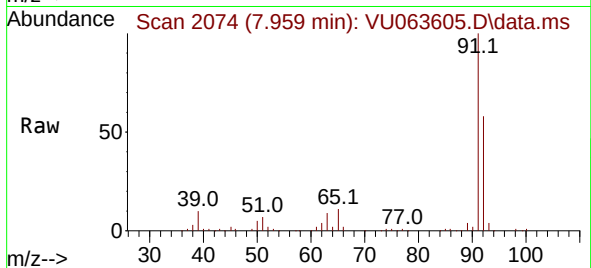
VSTD005145

Tgt Ion: 91 Resp: 250249

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.863 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU063605.D

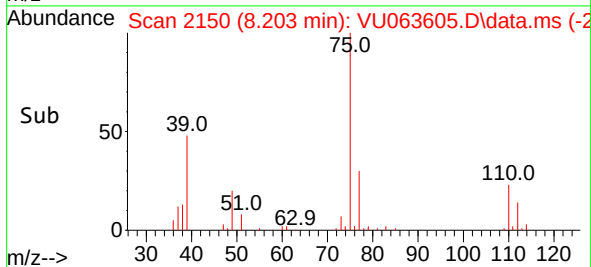
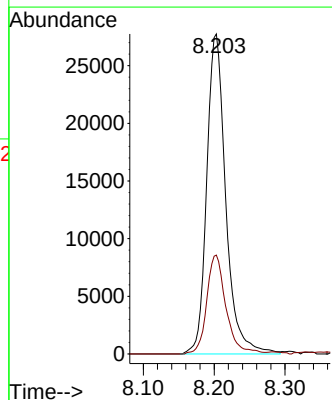
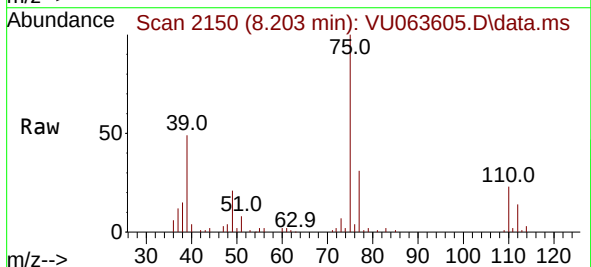
Acq: 17 Sep 2025 15:06

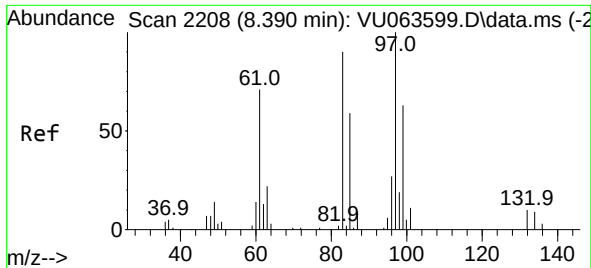
Tgt Ion: 75 Resp: 51747

Ion Ratio Lower Upper

75 100

77 30.9 23.7 44.1

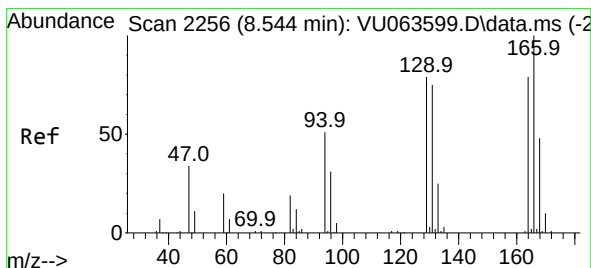
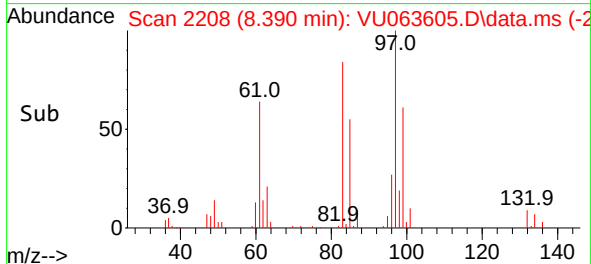
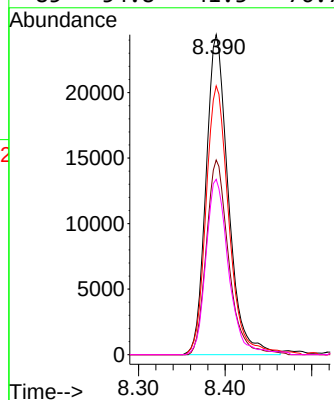
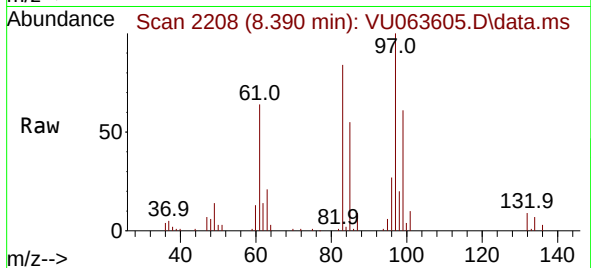




#45
1,1,2-Trichloroethane
Concen: 5.011 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

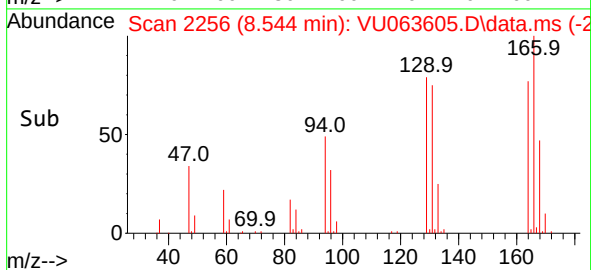
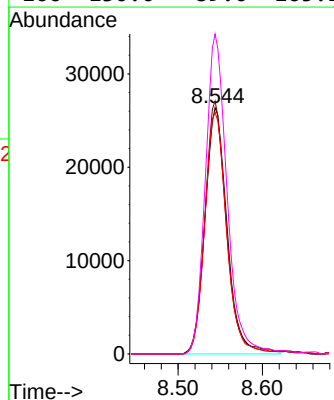
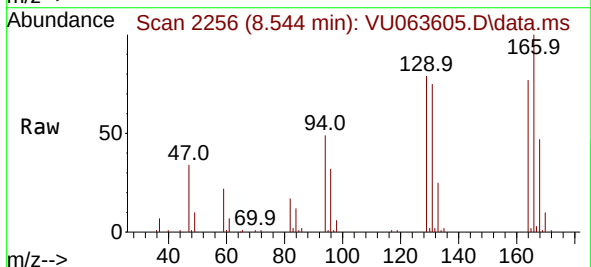
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

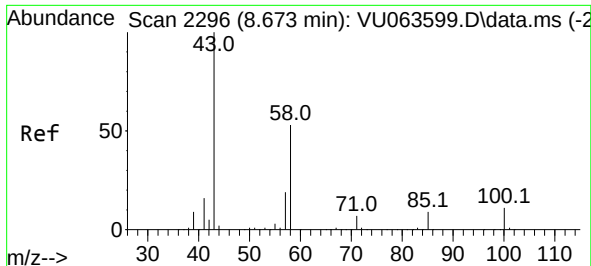
Tgt Ion:	97	Resp:	43811
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.0	81.6
83	84.0	63.1	117.3
85	54.8	41.3	76.7



#47
Tetrachloroethene
Concen: 4.888 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion:	164	Resp:	48253
Ion	Ratio	Lower	Upper
164	100		
129	102.7	70.0	130.0
131	98.1	67.1	124.5
166	130.0	89.0	165.2

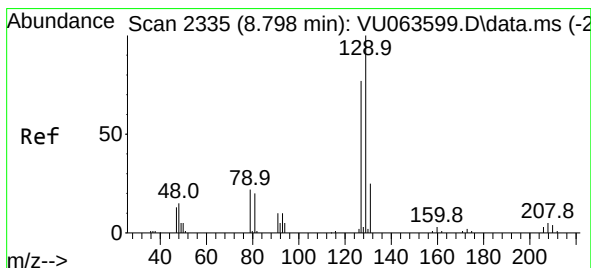
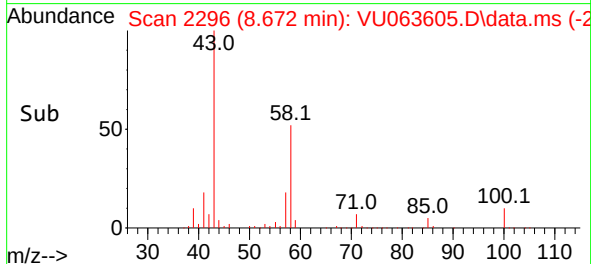
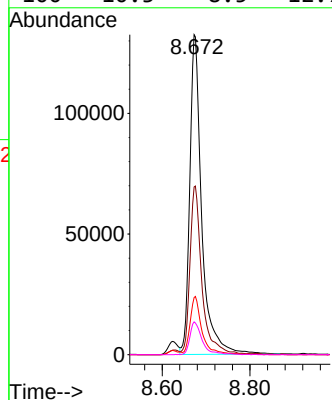
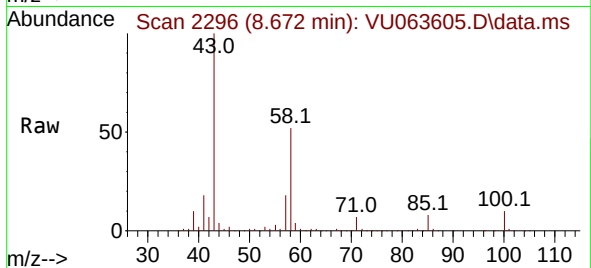




#48
2-Hexanone
Concen: 48.960 ug/L
RT: 8.672 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

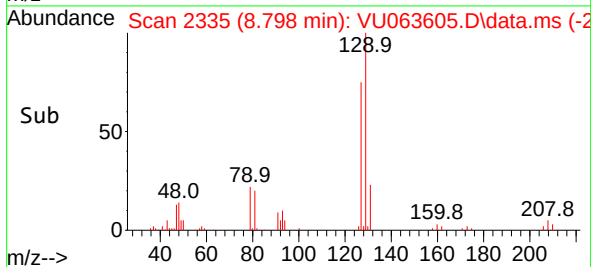
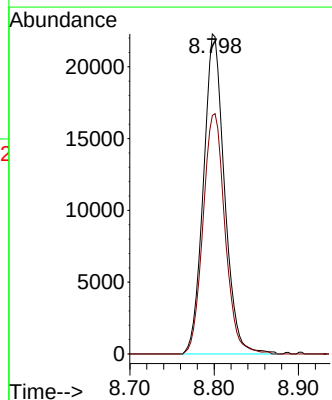
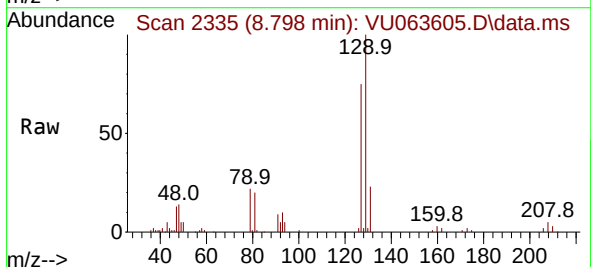
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

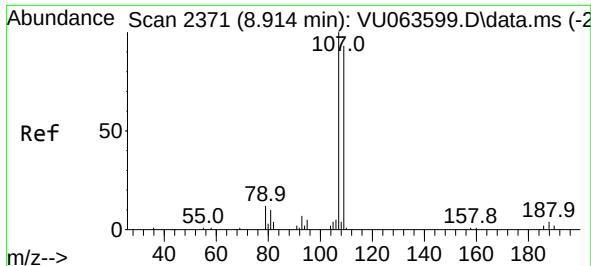
Tgt Ion: 43 Resp: 251071
Ion Ratio Lower Upper
43 100
58 51.8 42.2 63.2
57 17.7 15.0 22.4
100 10.3 8.5 12.7



#49
Dibromochloromethane
Concen: 4.857 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 129 Resp: 38823
Ion Ratio Lower Upper
129 100
127 74.6 54.3 100.8





#50

1,2-Dibromoethane

Concen: 5.010 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

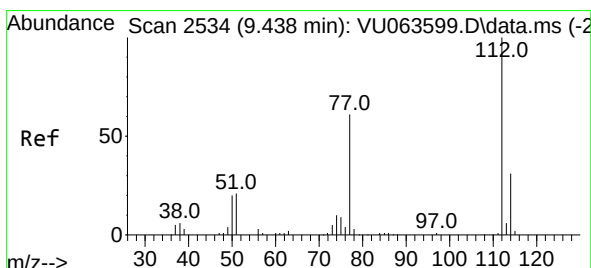
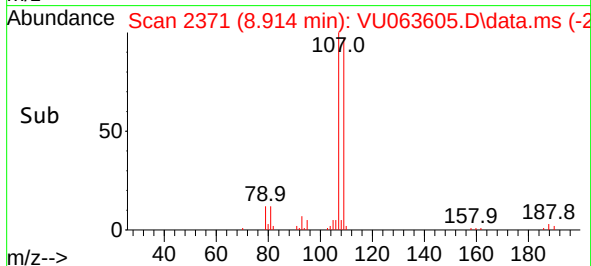
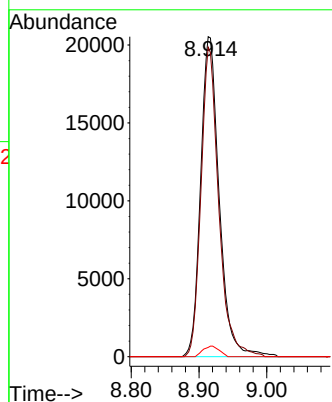
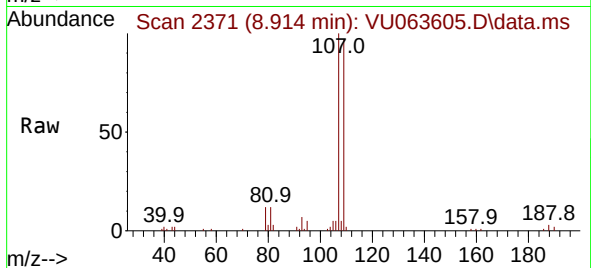
Tgt Ion:107 Resp: 39081

Ion Ratio Lower Upper

107 100

109 96.7 65.4 121.4

188 2.9 2.8 4.2



#51

Chlorobenzene

Concen: 4.862 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

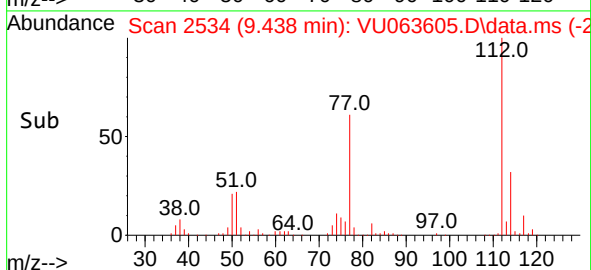
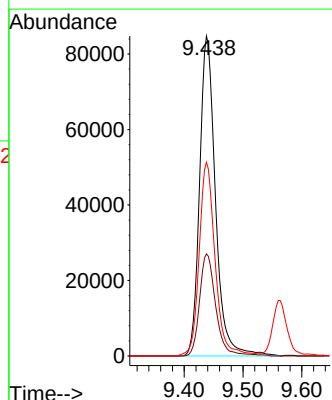
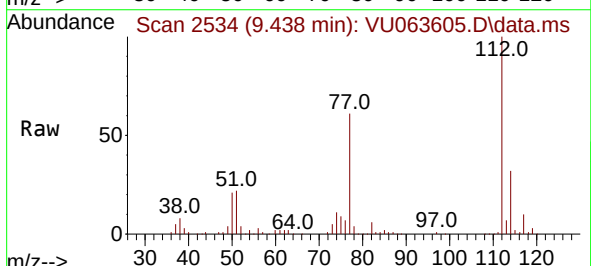
Tgt Ion:112 Resp: 159201

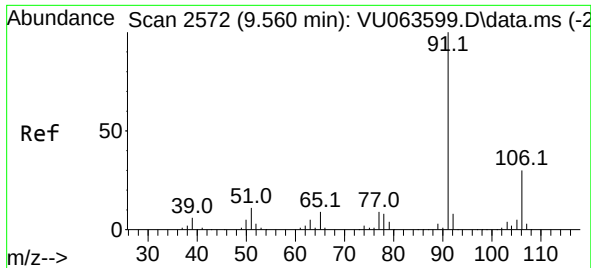
Ion Ratio Lower Upper

112 100

114 31.9 22.0 41.0

77 60.6 48.9 73.3

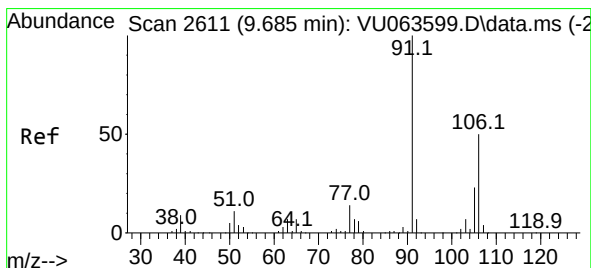
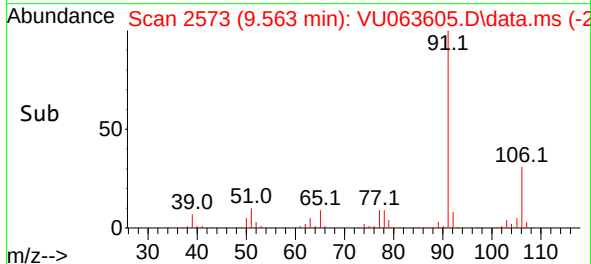
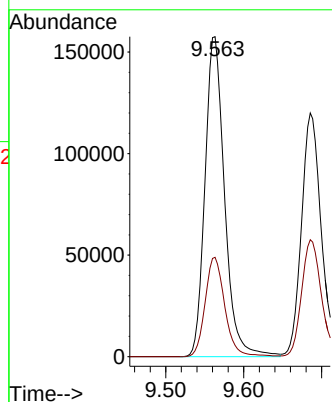
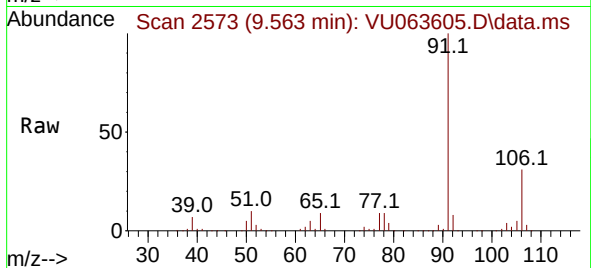




#52
Ethylbenzene
Concen: 4.950 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

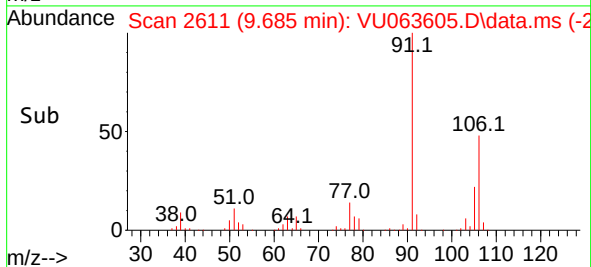
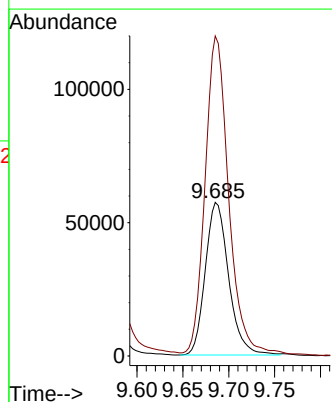
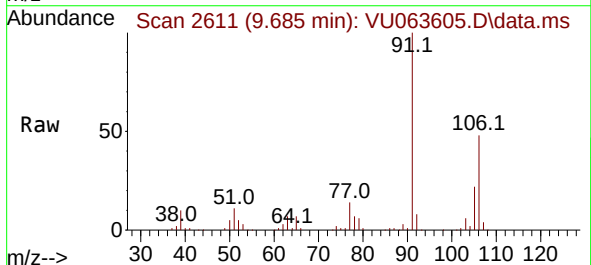
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

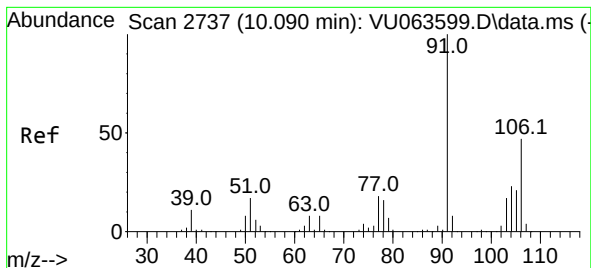
Tgt Ion: 91 Resp: 275503
Ion Ratio Lower Upper
91 100
106 31.1 21.2 39.4



#53
m,p-Xylene
Concen: 4.865 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion:106 Resp: 101580
Ion Ratio Lower Upper
106 100
91 208.4 141.5 262.7





#54

o-Xylene

Concen: 5.026 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

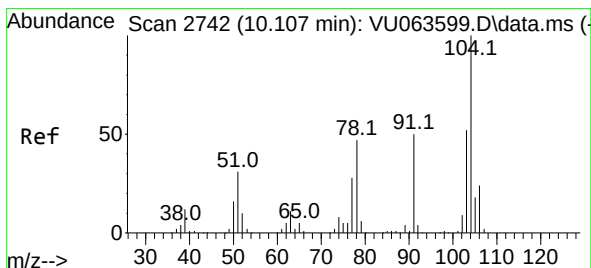
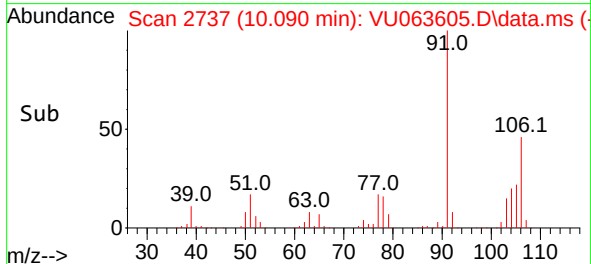
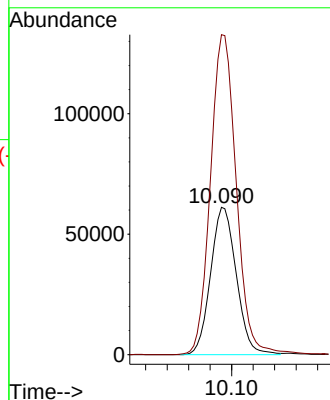
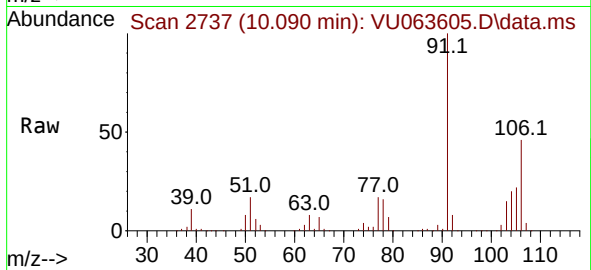
VSTD005145

Tgt Ion:106 Resp: 101561

Ion Ratio Lower Upper

106 100

91 217.2 149.4 277.4



#55

Styrene

Concen: 4.974 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063605.D

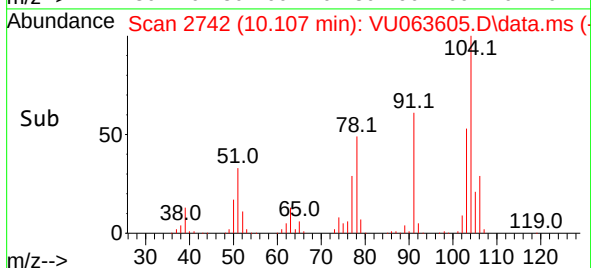
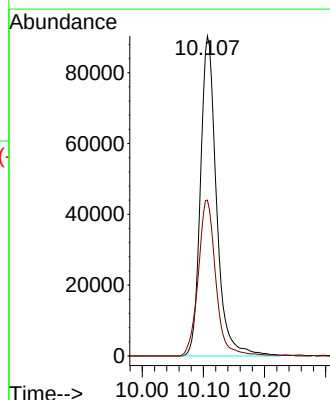
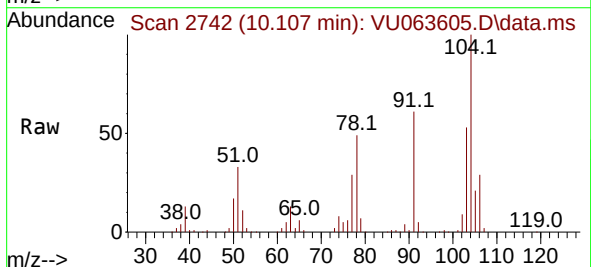
Acq: 17 Sep 2025 15:06

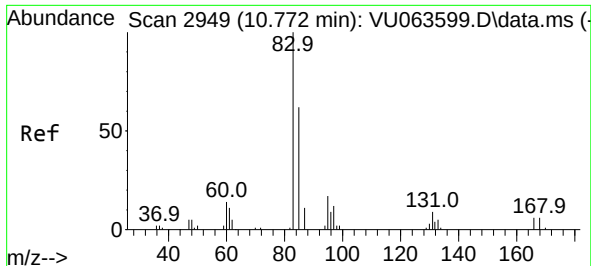
Tgt Ion:104 Resp: 164865

Ion Ratio Lower Upper

104 100

78 48.7 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.825 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD005145

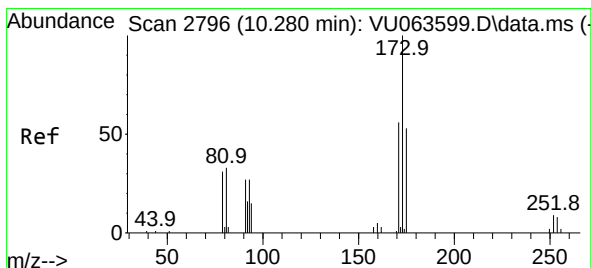
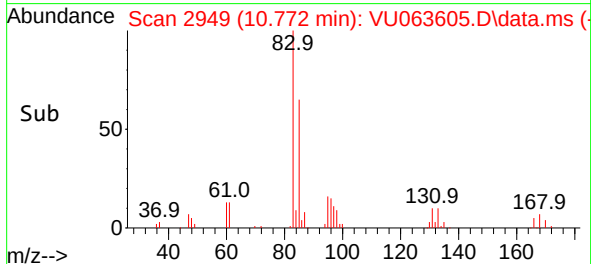
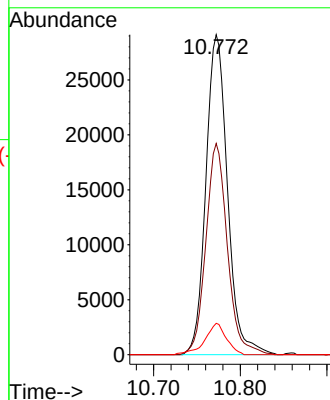
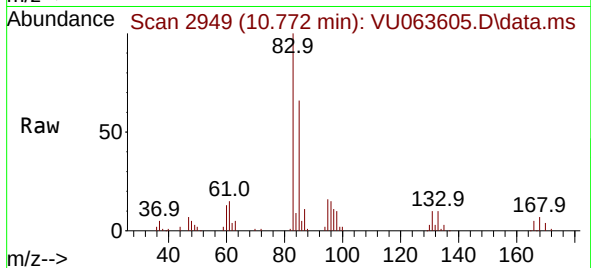
Tgt Ion: 83 Resp: 50396

Ion Ratio Lower Upper

83 100

85 66.0 43.5 80.7

131 9.8 7.3 10.9



#59

Bromoform

Concen: 4.840 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU063605.D

Acq: 17 Sep 2025 15:06

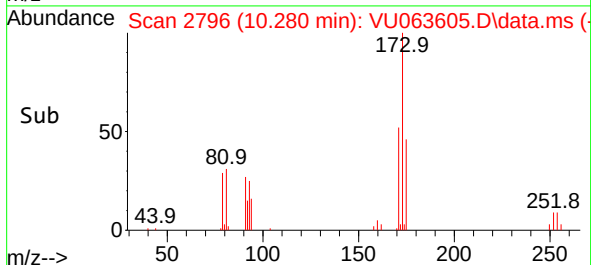
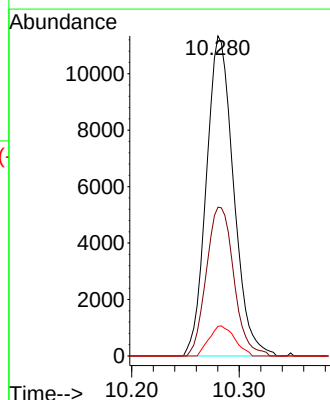
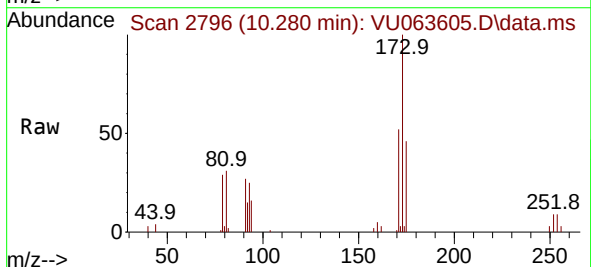
Tgt Ion:173 Resp: 19939

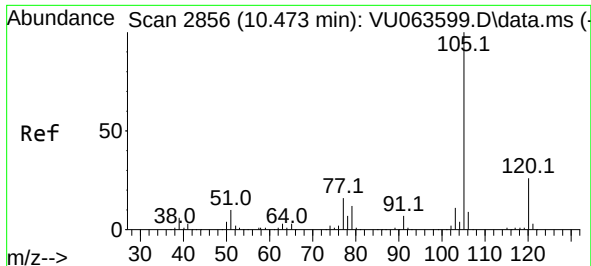
Ion Ratio Lower Upper

173 100

175 46.9 40.3 60.5

254 8.8 6.4 9.6

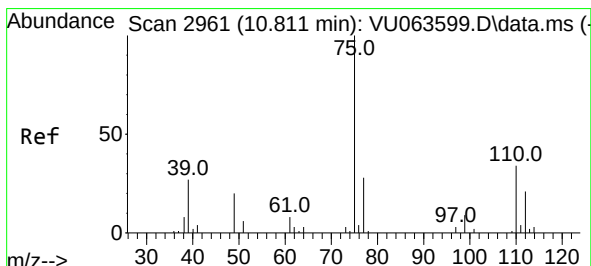
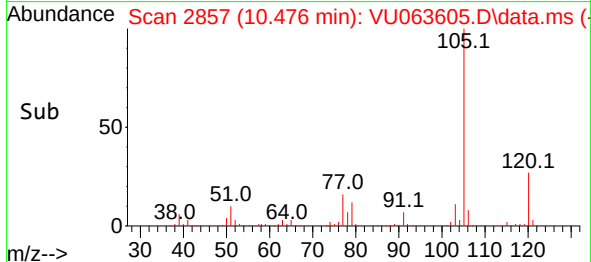
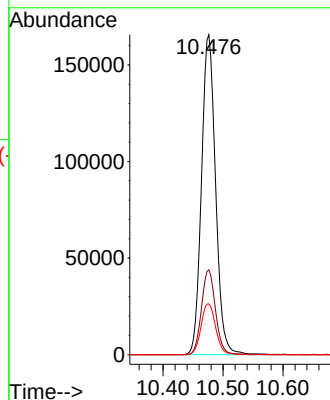
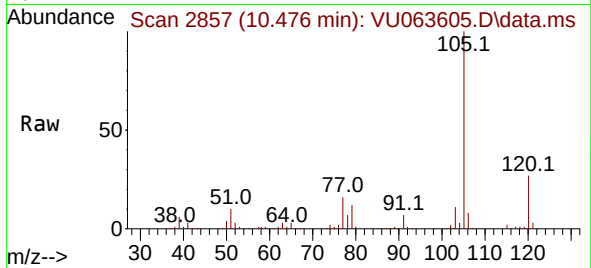




#60
Isopropylbenzene
Concen: 4.958 ug/L
RT: 10.476 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

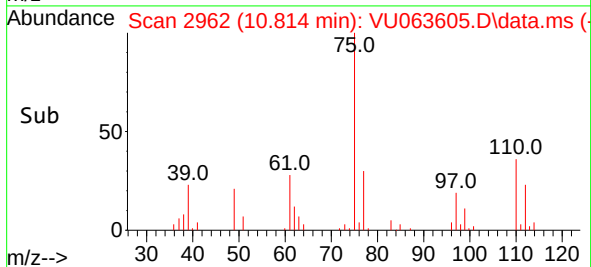
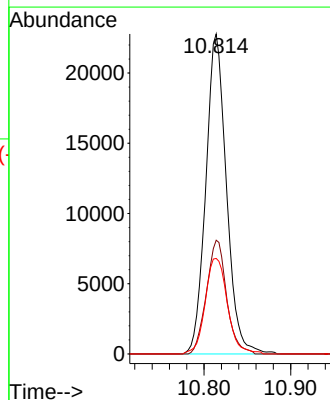
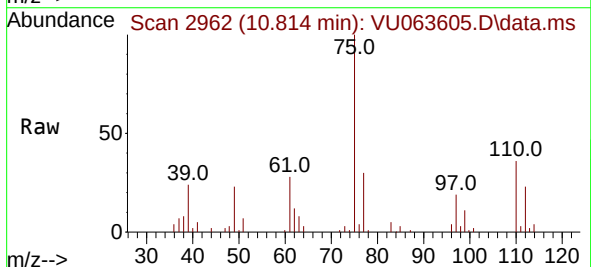
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

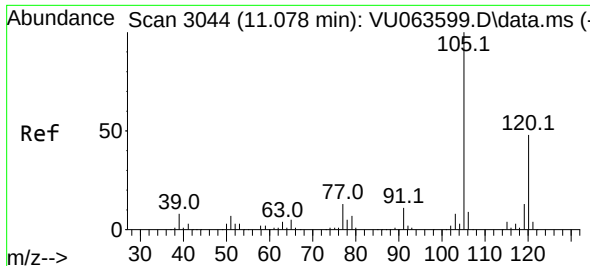
Tgt Ion:105 Resp: 271356
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.000 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion: 75 Resp: 37709
Ion Ratio Lower Upper
75 100
110 34.7 28.3 42.5
77 32.1 25.2 37.8

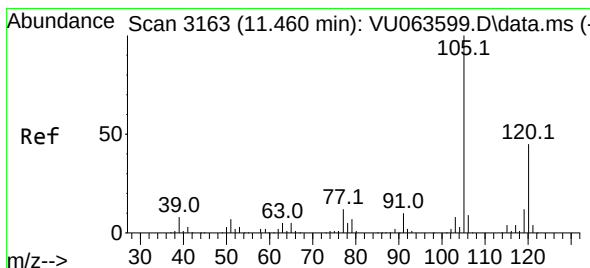
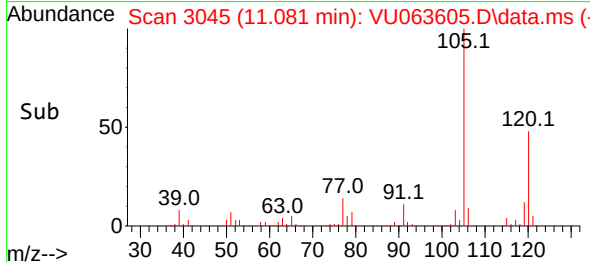
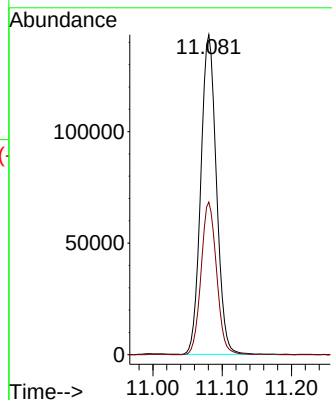
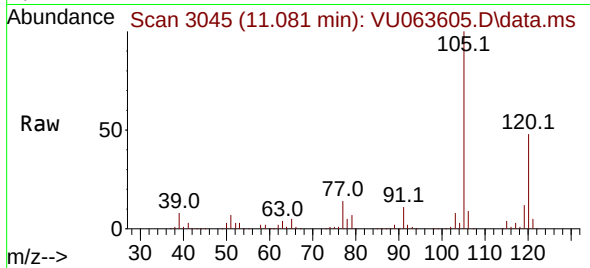




#62
1,3,5-Trimethylbenzene
Concen: 5.045 ug/L
RT: 11.081 min Scan# 3044
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

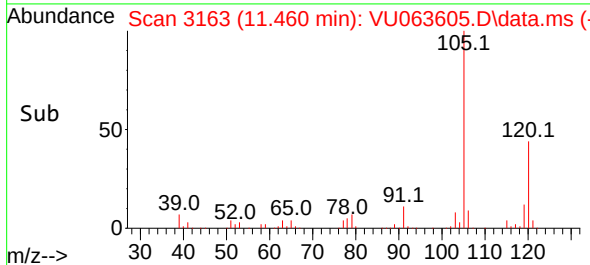
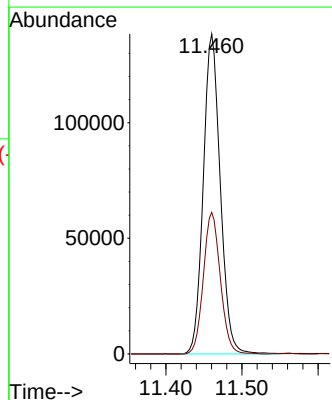
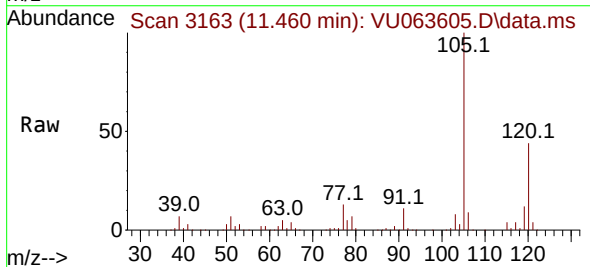
Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

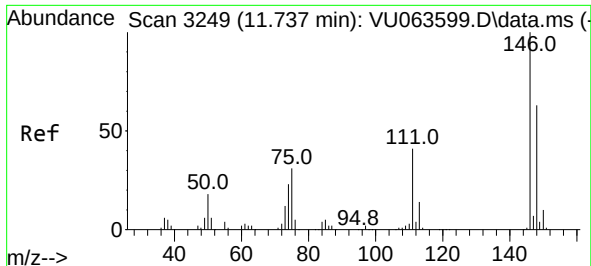
Tgt Ion:105 Resp: 224523
Ion Ratio Lower Upper
105 100
120 47.3 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 5.059 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion:105 Resp: 215000
Ion Ratio Lower Upper
105 100
120 44.1 35.3 52.9

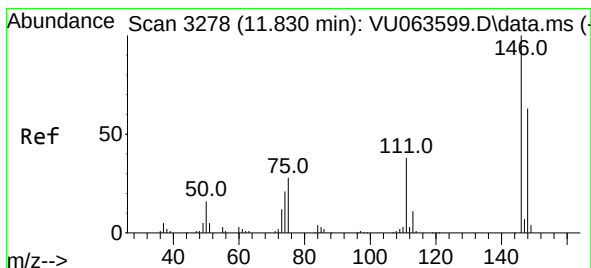
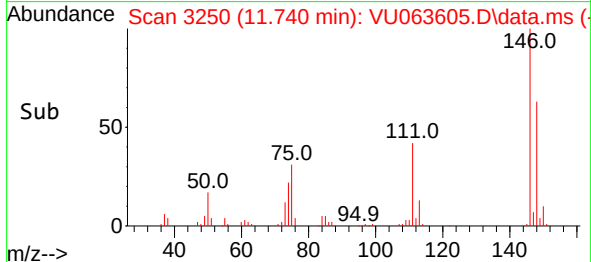
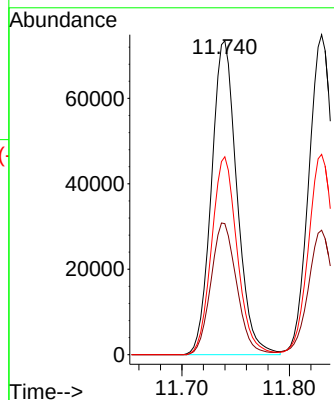
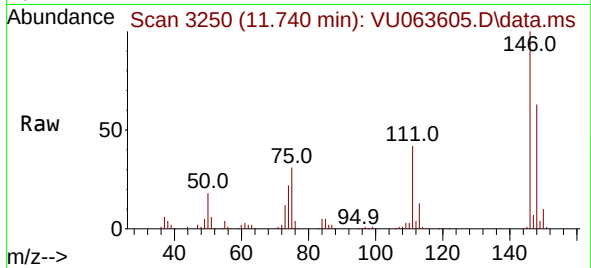




#64
 1,3-Dichlorobenzene
 Concen: 4.937 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

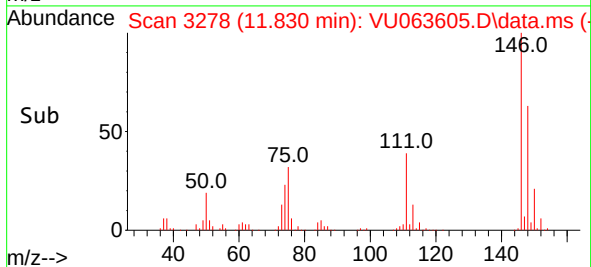
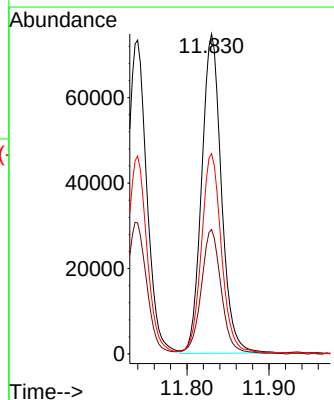
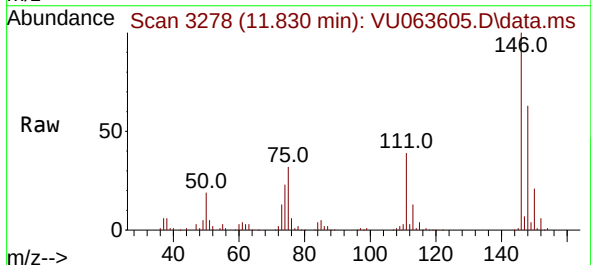
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

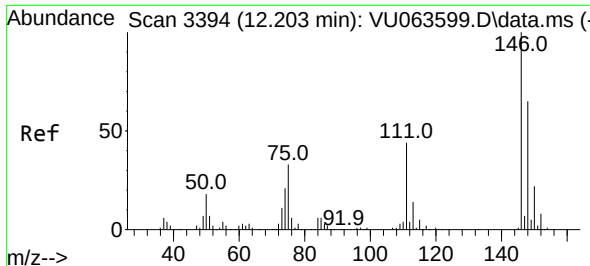
Tgt Ion:146 Resp: 121100
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.0 53.8
 148 63.1 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 5.041 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion:146 Resp: 124826
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.4
 148 62.6 44.0 81.6

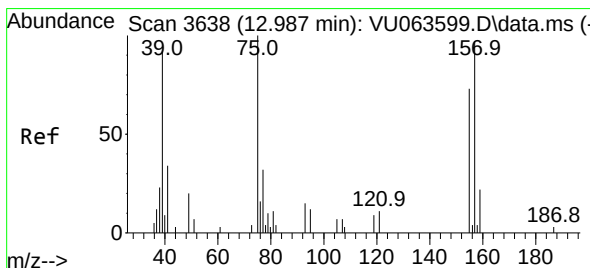
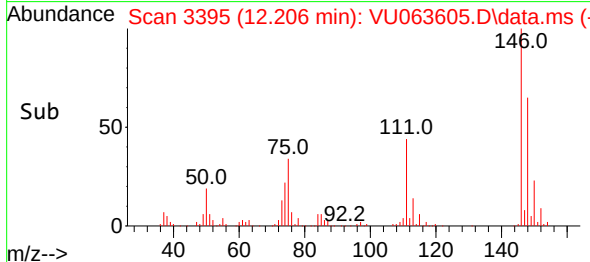
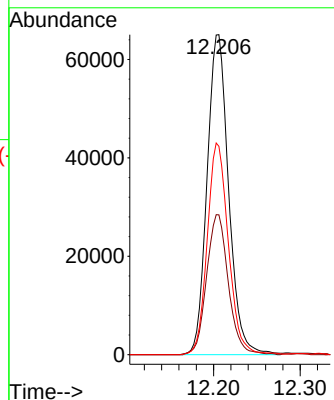
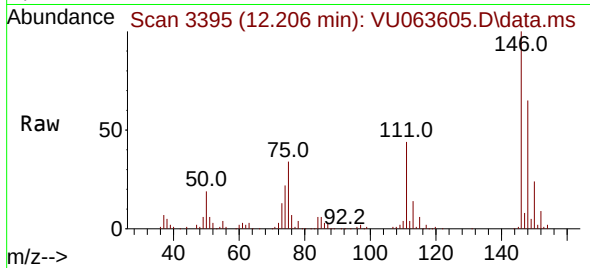




#67
 1,2-Dichlorobenzene
 Concen: 4.913 ug/L
 RT: 12.206 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

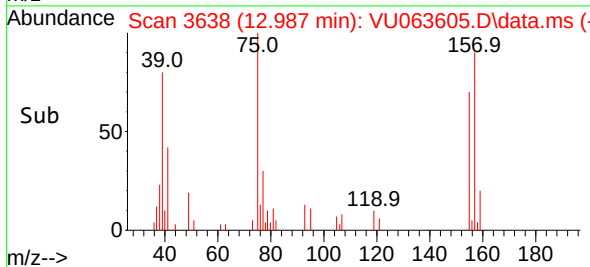
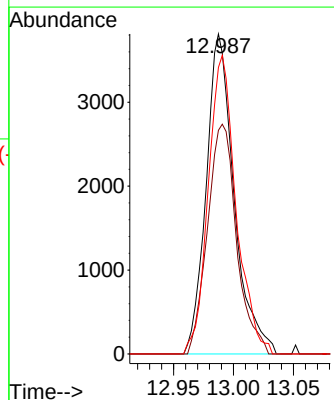
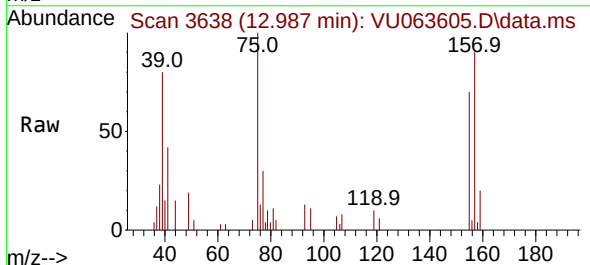
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

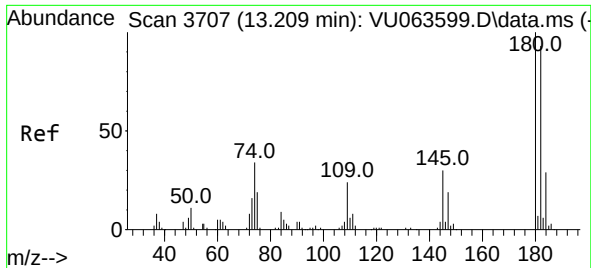
Tgt Ion:146 Resp: 112496
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.5 53.3
 148 65.1 52.1 78.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.307 ug/L
 RT: 12.987 min Scan# 3638
 Delta R.T. -0.003 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion: 75 Resp: 6180
 Ion Ratio Lower Upper
 75 100
 155 69.9 58.4 87.6
 157 89.5 77.8 116.8

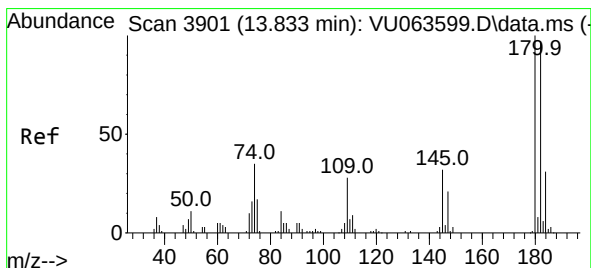
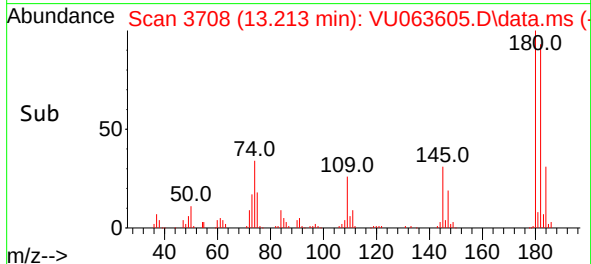
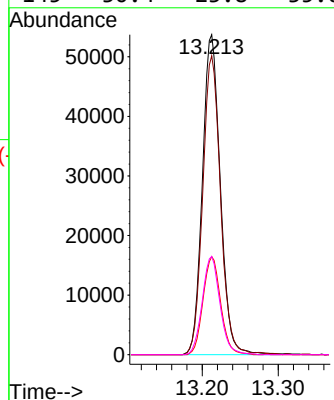
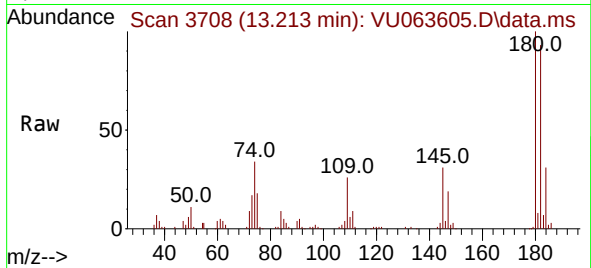




#69
 1,3,5-Trichlorobenzene
 Concen: 4.786 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

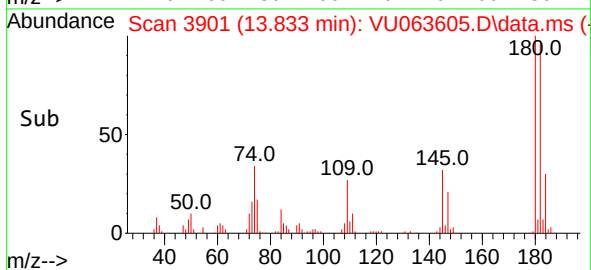
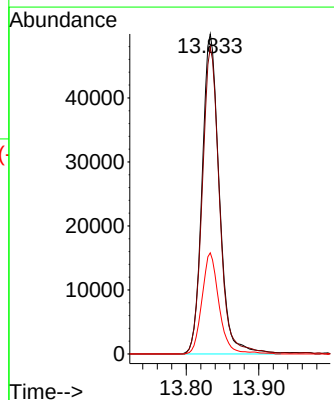
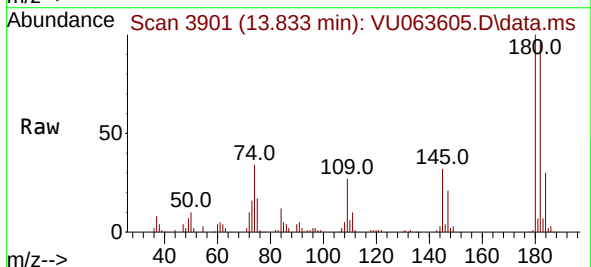
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005145

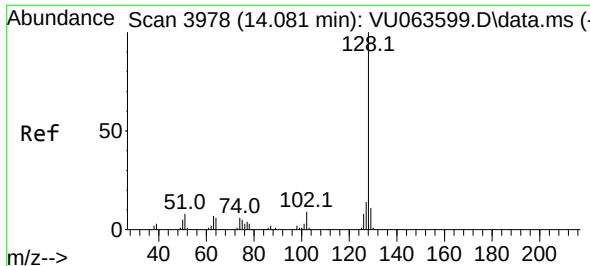
Tgt Ion:180	Resp:	87858
Ion Ratio	Lower	Upper
180	100	
182	92.4	74.6 111.8
184	30.1	23.4 35.2
145	30.4	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.831 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063605.D
 Acq: 17 Sep 2025 15:06

Tgt Ion:180	Resp:	82600
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.6 114.8
145	31.3	25.0 37.4

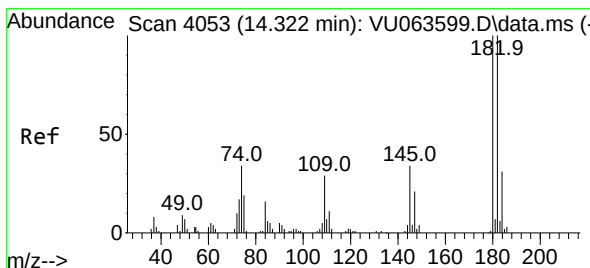
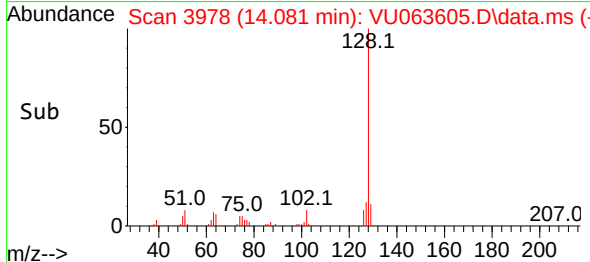
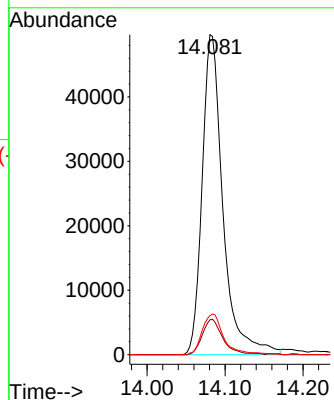
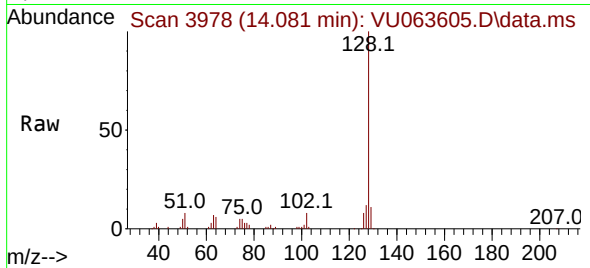




#71
Naphthalene
Concen: 4.342 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD005145

Tgt Ion:128 Resp: 92045
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 11.0 16.4



#72
1,2,3-Trichlorobenzene
Concen: 4.664 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063605.D
Acq: 17 Sep 2025 15:06

Tgt Ion:180 Resp: 56727
Ion Ratio Lower Upper
180 100
182 93.9 78.2 117.2
145 32.9 26.0 39.0

