

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103124\
 Data File : VU061323.D
 Acq On : 31 Oct 2024 19:56
 Operator : MD/SY
 Sample : P4629-12MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 01 00:03:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 31 23:55:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	179278	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165010	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	78606	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	46666	3.832	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.907	69	51984	4.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.560	65	21564	4.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	4.624	46	124688	50.428	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.860%
24) Chloroform-d	5.052	84	111548	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.692	65	57051	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.718	84	222103	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	6.682	67	67590	4.835	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.891	98	206773	4.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	8.174	79	26129	4.579	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.627	63	113563	48.593	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.180%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	53493	5.060	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	69605	5.001	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	57546	4.815	ug/L	100
3) Chloromethane	1.518	50	53774	4.266	ug/L	100
5) Vinyl chloride	1.599	62	62995	4.546	ug/L	99
6) Bromomethane	1.856	94	46902	5.108	ug/L	96
8) Chloroethane	1.930	64	51926	5.089	ug/L	100
9) Trichlorofluoromethane	2.132	101	156143	8.296	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	53795	4.813	ug/L	98
12) 1,1-Dichloroethene	2.573	96	49655	4.685	ug/L	96
13) Acetone	2.640	43	75824	48.417	ug/L	96
14) Carbon disulfide	2.788	76	145883	4.125	ug/L	99
15) Methyl Acetate	2.952	43	17341	4.472	ug/L	96
16) Methylene chloride	3.039	84	57124	4.573	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	138491	4.821	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	55151	4.706	ug/L	98
19) 1,1-Dichloroethane	3.859	63	107646	4.870	ug/L	98
21) 2-Butanone	4.702	43	122056	49.163	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	78920	5.895	ug/L	99
23) Bromochloromethane	4.968	128	28170	5.001	ug/L	99
25) Chloroform	5.078	83	112904	4.858	ug/L	99

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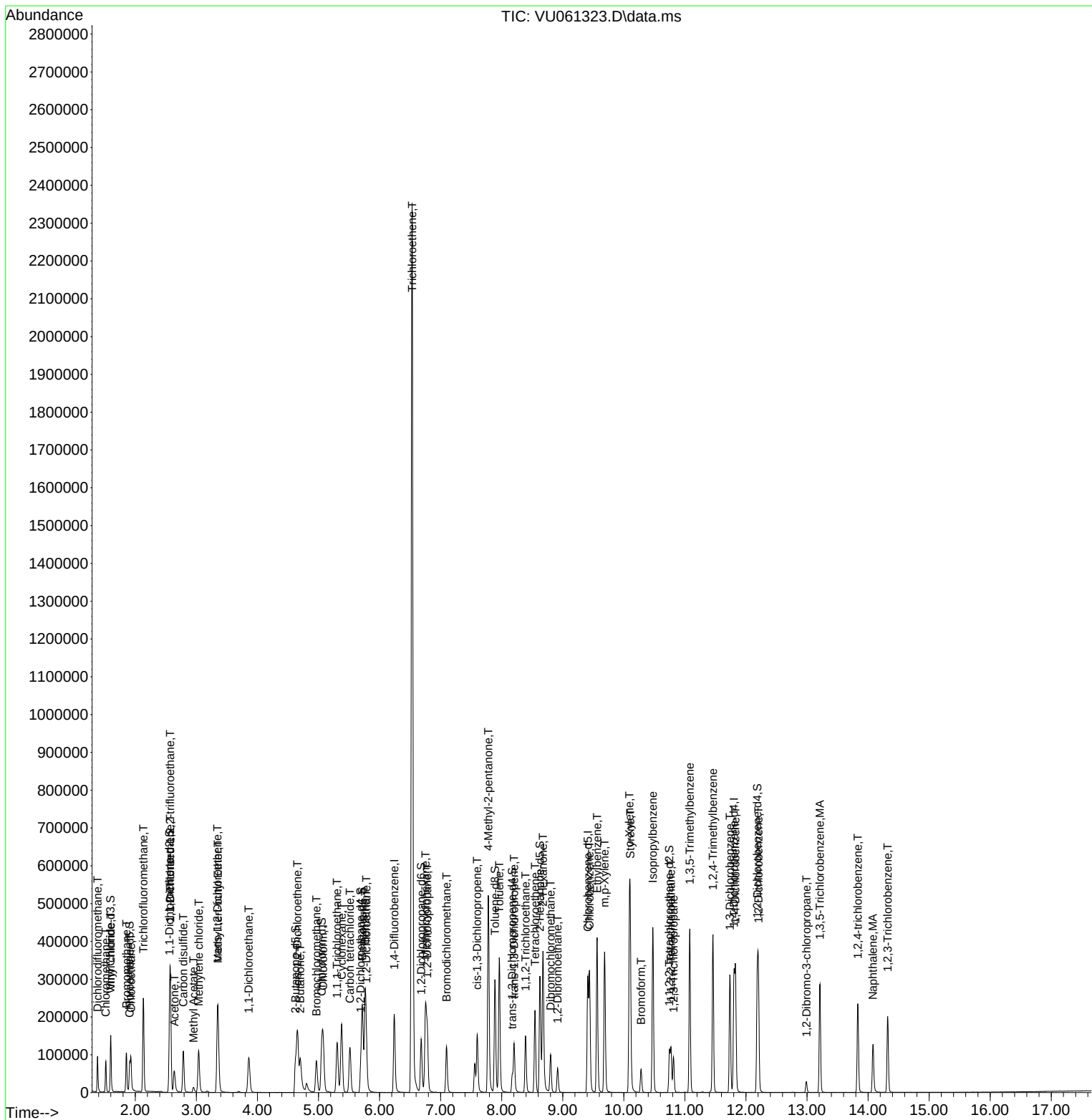
Instrument :
 MSVOA_U
 ClientSampleId :

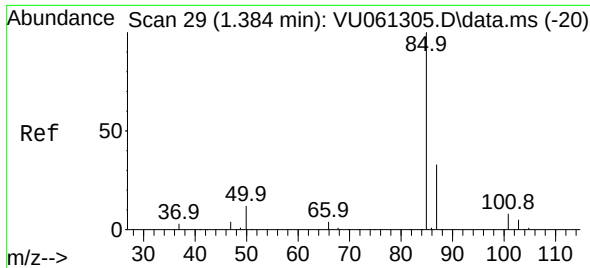
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	70579	4.805	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	96599	4.781	ug/L	99
30) Cyclohexane	5.380	56	92401	4.559	ug/L	99
31) Carbon tetrachloride	5.515	117	81815	4.732	ug/L	99
33) Benzene	5.766	78	248736	4.874	ug/L	100
34) Trichloroethene	6.534	95	808348	58.230	ug/L	99
35) Methylcyclohexane	6.753	83	101229	4.582	ug/L	99
37) 1,2-Dichloropropane	6.782	63	63559	4.914	ug/L	100
38) Bromodichloromethane	7.097	83	79804	4.875	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	95961	4.803	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	321399	49.923	ug/L	99
42) Toluene	7.962	91	269662	4.866	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	76717	4.713	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	46245	4.968	ug/L	98
47) Tetrachloroethene	8.547	164	46587	4.805	ug/L	96
48) 2-Hexanone	8.676	43	229216	50.350	ug/L	99
49) Dibromochloromethane	8.801	129	49950	4.731	ug/L	93
50) 1,2-Dibromoethane	8.917	107	44015	4.867	ug/L	94
51) Chlorobenzene	9.441	112	170907	4.879	ug/L	98
52) Ethylbenzene	9.563	91	295361	4.845	ug/L	98
53) m,p-Xylene	9.685	106	111734	4.811	ug/L	94
54) o-Xylene	10.094	106	108921	4.752	ug/L	98
55) Styrene	10.106	104	177370	4.827	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	57016	5.083	ug/L	98
59) Bromoform	10.283	173	27587	4.741	ug/L	97
60) Isopropylbenzene	10.476	105	290802	4.843	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	38989	4.979	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	232574	4.758	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	228604	4.731	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	125918	4.982	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	126834	4.923	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	118871	4.997	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	7789	4.737	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	86317	4.983	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	71080	5.084	ug/L	98
71) Naphthalene	14.081	128	112973	5.121	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	60691	5.189	ug/L	100

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

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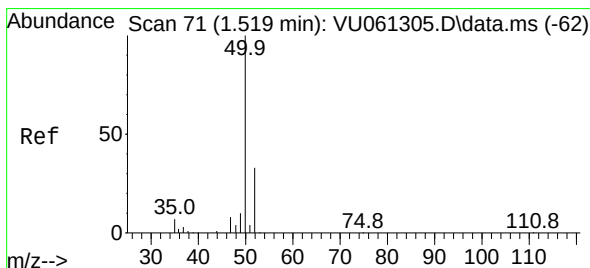
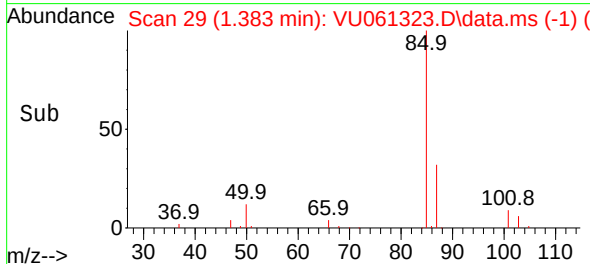
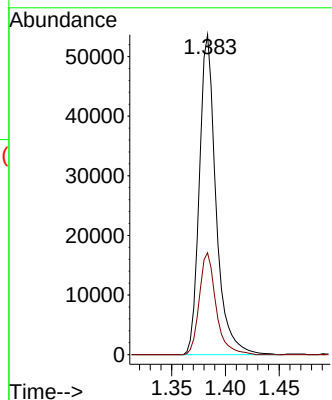
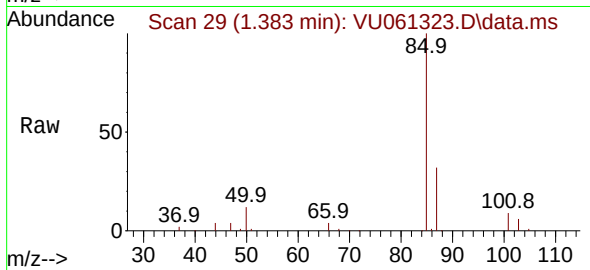




#2
 Dichlorodifluoromethane
 Concen: 4.815 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

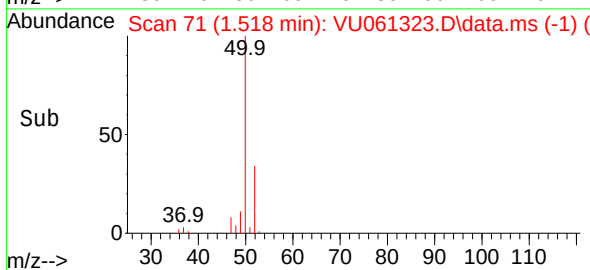
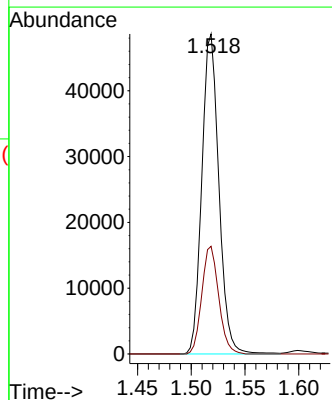
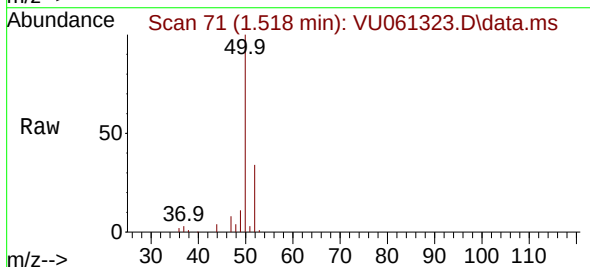
Instrument :
 MSVOA_U
 ClientSampleId :

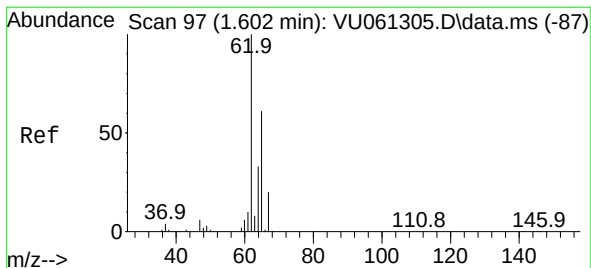
Tgt Ion: 85 Resp: 57546
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 4.266 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

Tgt Ion: 50 Resp: 53774
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.4 43.4





#5

Vinyl chloride

Concen: 4.546 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.004 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

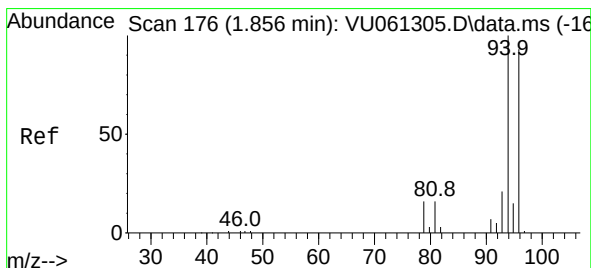
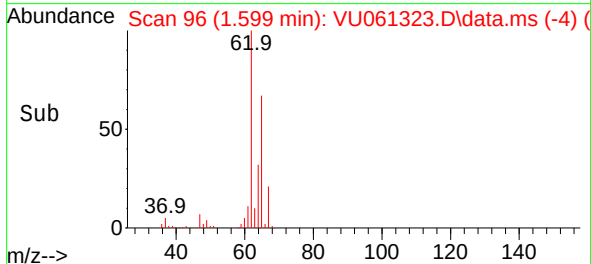
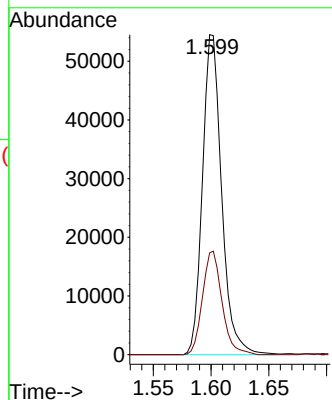
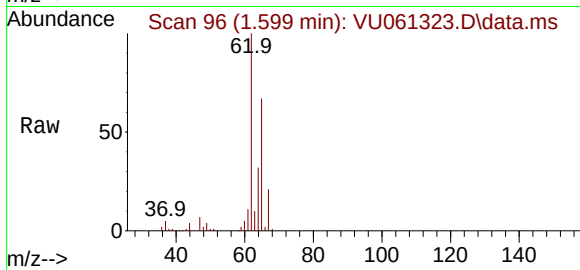
ClientSampleId :

Tgt Ion: 62 Resp: 62995

Ion Ratio Lower Upper

62 100

64 31.8 22.6 42.0



#6

Bromomethane

Concen: 5.108 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU061323.D

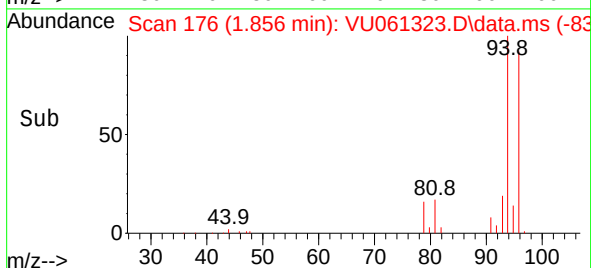
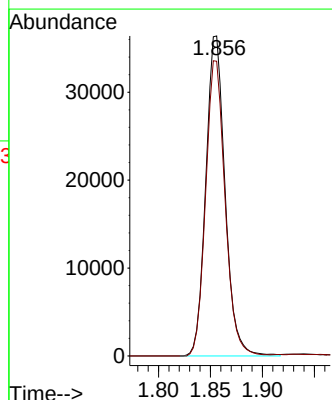
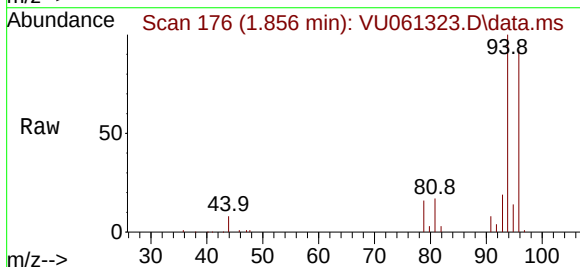
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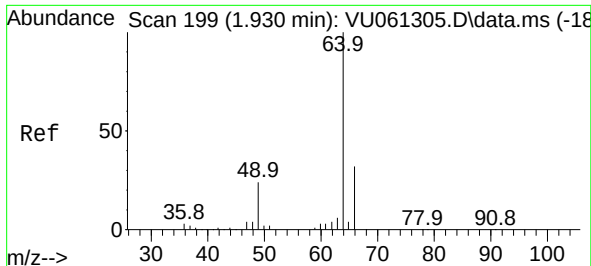
Tgt Ion: 94 Resp: 46902

Ion Ratio Lower Upper

94 100

96 92.1 66.9 124.3

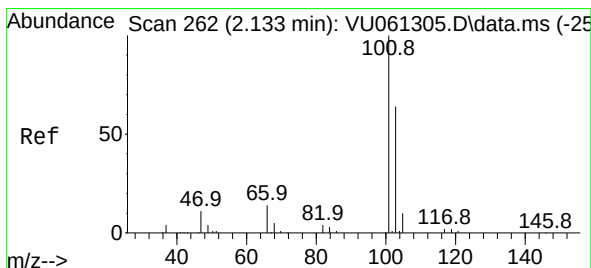
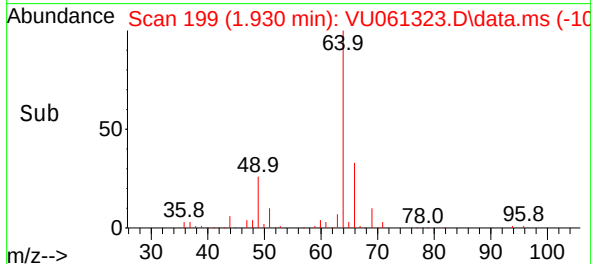
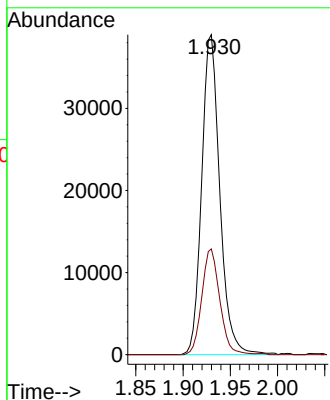
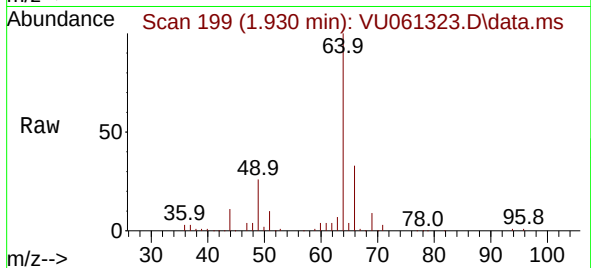




#8
Chloroethane
Concen: 5.089 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

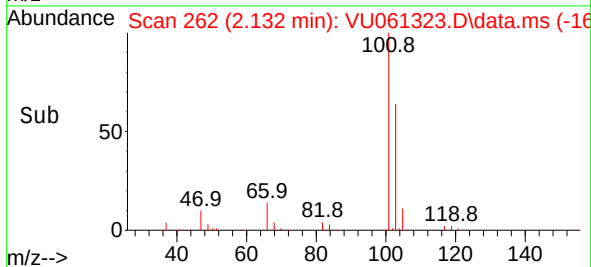
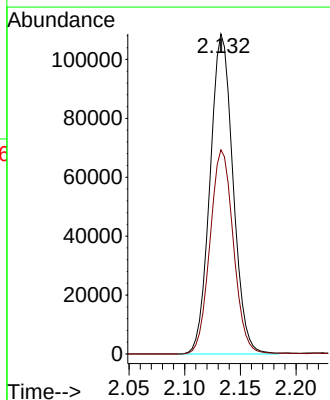
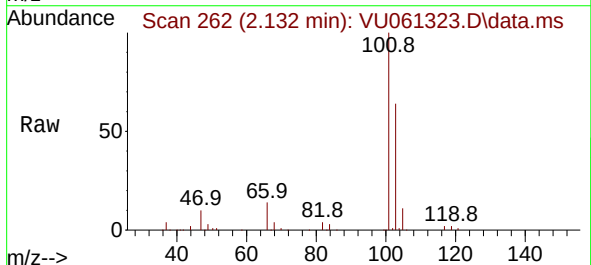
Instrument :
MSVOA_U
ClientSampleId :

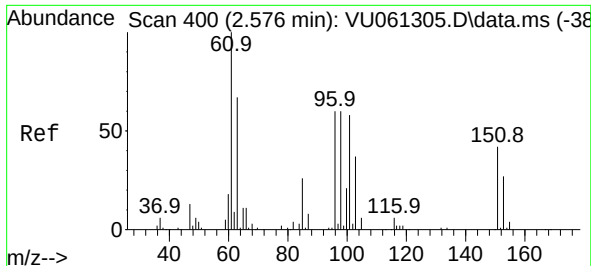
Tgt Ion: 64 Resp: 51926
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 8.296 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion:101 Resp: 156143
Ion Ratio Lower Upper
101 100
103 65.0 50.6 75.8

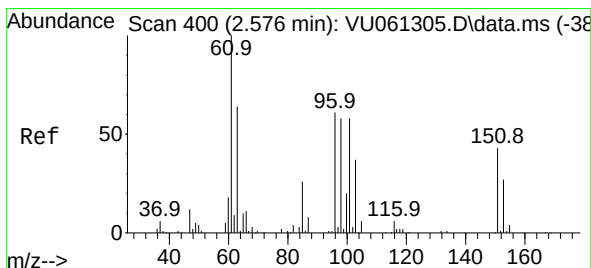
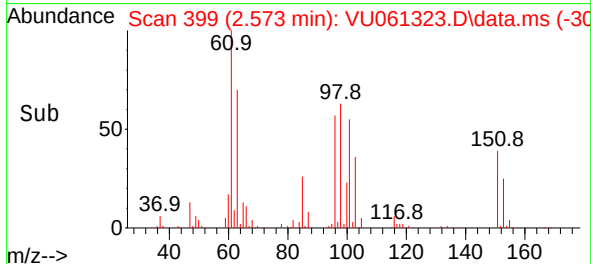
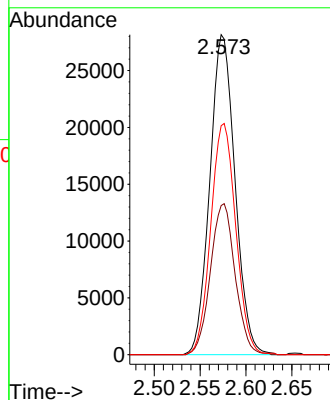
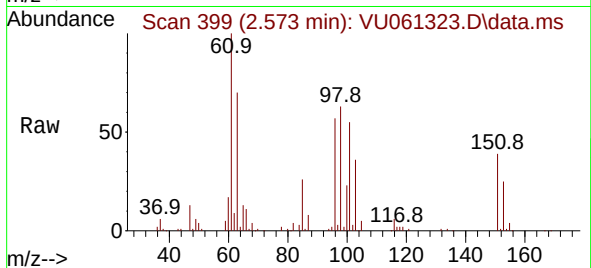




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.813 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.004 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

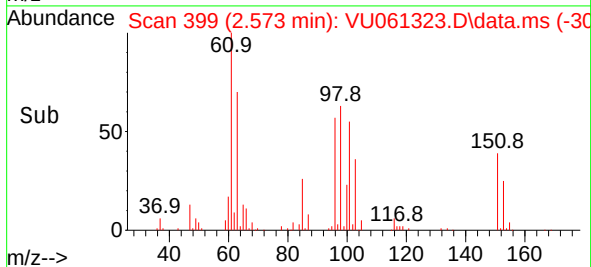
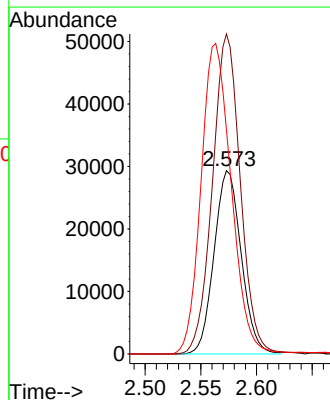
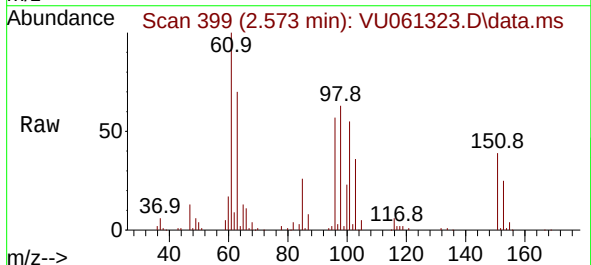
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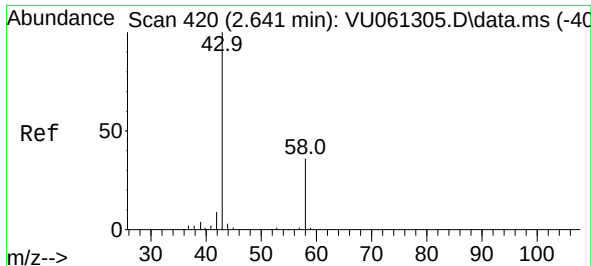
Tgt Ion:	101	Resp:	53795
Ion	Ratio	Lower	Upper
101	100		
85	46.2	35.6	53.4
151	71.8	55.9	83.9



#12
 1,1-Dichloroethene
 Concen: 4.685 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.004 min
 Lab File: VU061323.D
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Tgt Ion:	96	Resp:	49655
Ion	Ratio	Lower	Upper
96	100		
61	174.6	119.1	221.1
63	122.3	89.4	166.0





#13

Acetone

Concen: 48.417 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

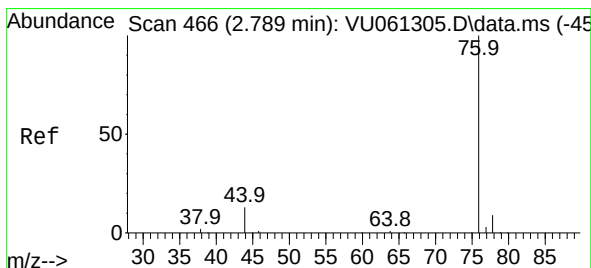
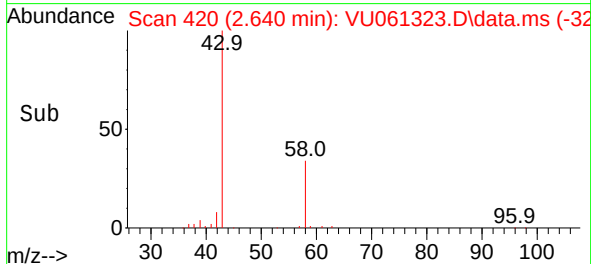
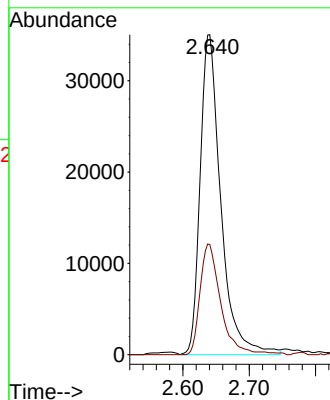
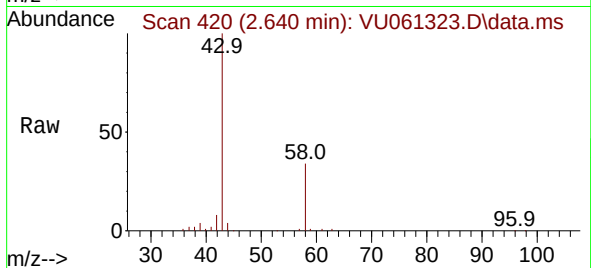
ClientSampleId :

Tgt Ion: 43 Resp: 75824

Ion Ratio Lower Upper

43 100

58 33.9 0.0 73.2



#14

Carbon disulfide

Concen: 4.125 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU061323.D

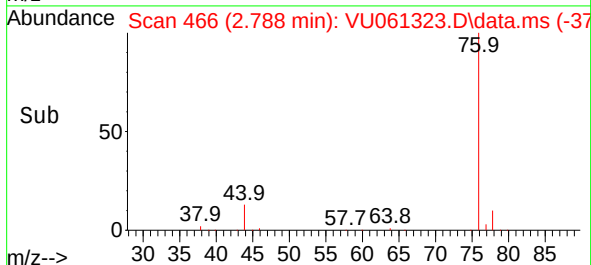
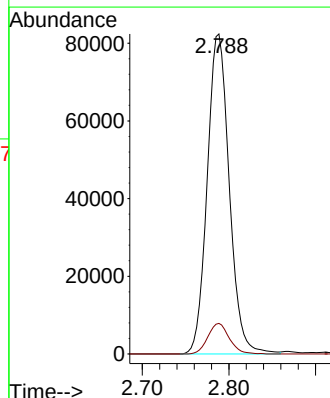
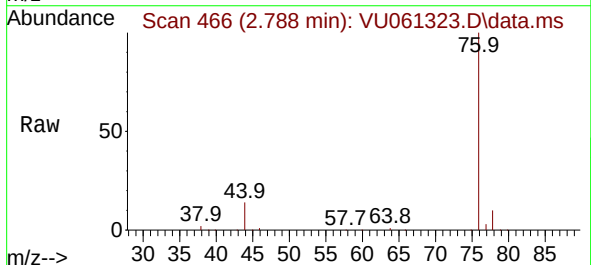
Acq: 31 Oct 2024 19:56

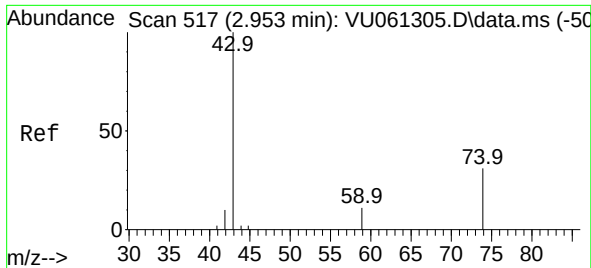
Tgt Ion: 76 Resp: 145883

Ion Ratio Lower Upper

76 100

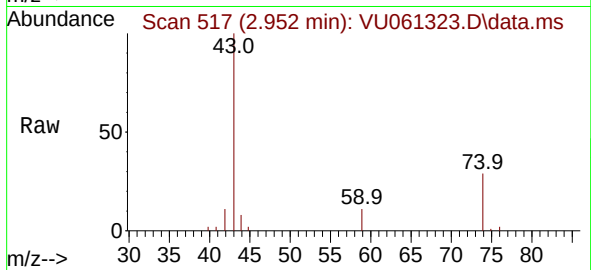
78 9.6 7.4 11.2



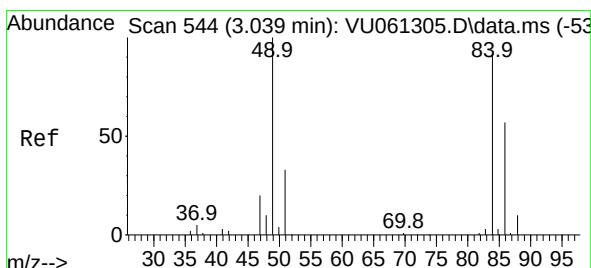
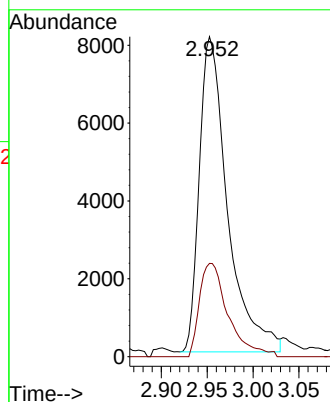
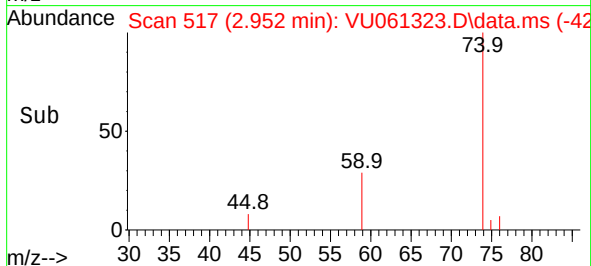


#15
Methyl Acetate
Concen: 4.472 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Instrument :
MSVOA_U
ClientSampleId :

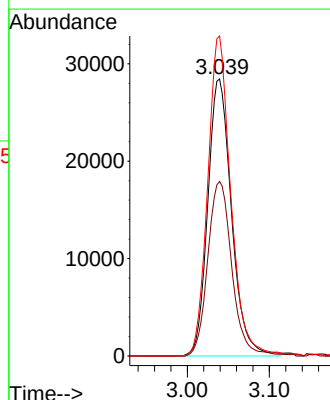
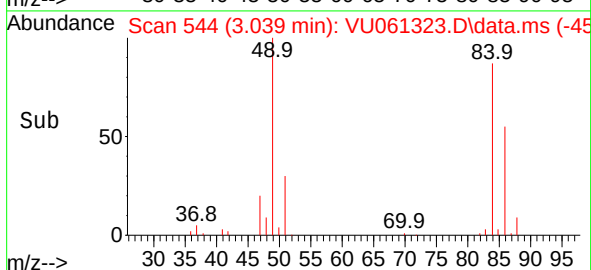
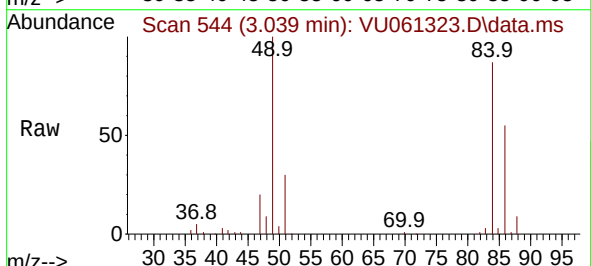


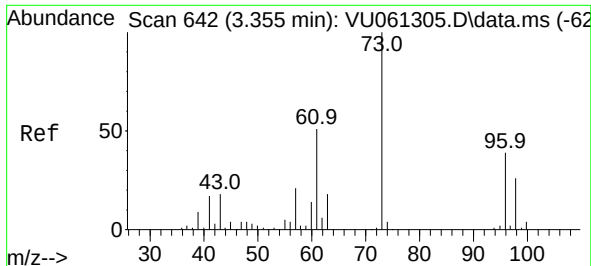
Tgt Ion: 43 Resp: 17341
Ion Ratio Lower Upper
43 100
74 30.0 22.2 33.4



#16
Methylene chloride
Concen: 4.573 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion: 84 Resp: 57124
Ion Ratio Lower Upper
84 100
86 63.1 43.5 80.7
49 115.6 75.7 140.7

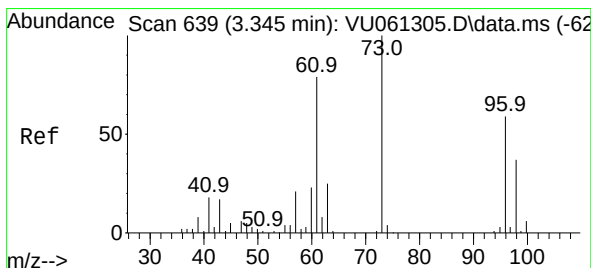
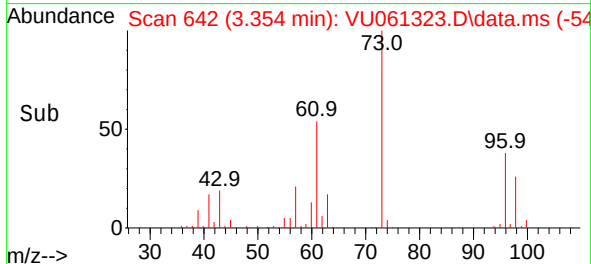
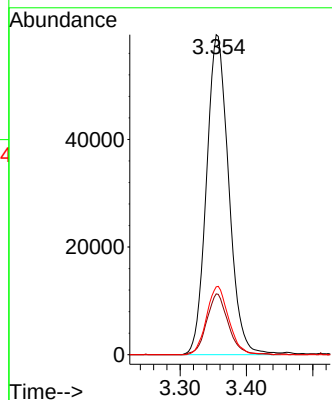
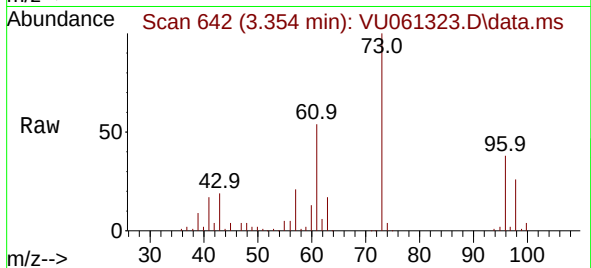




#17
Methyl tert-butyl Ether
Concen: 4.821 ug/L
RT: 3.354 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

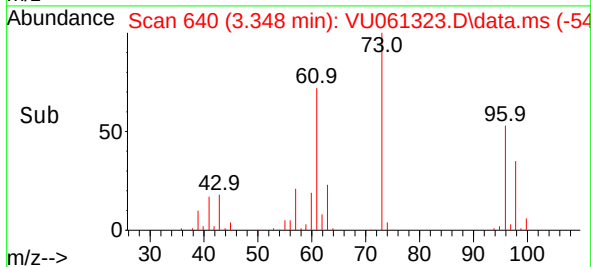
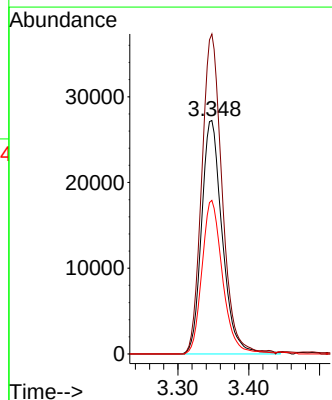
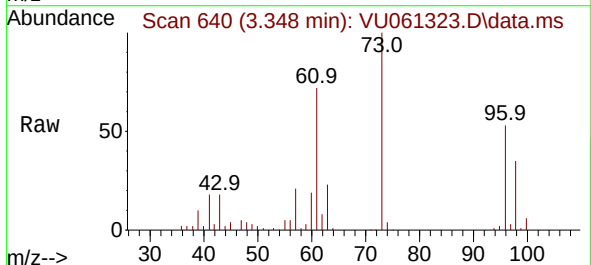
Instrument :
MSVOA_U
ClientSampleId :

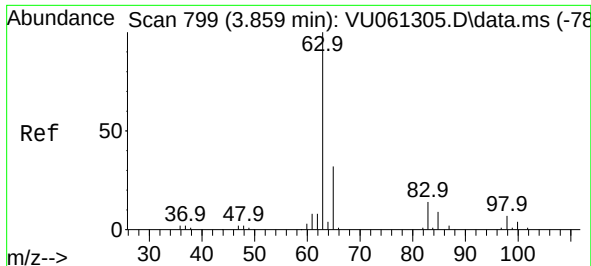
Tgt Ion: 73 Resp: 138491
Ion Ratio Lower Upper
73 100
43 18.4 15.0 22.4
57 21.4 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.706 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

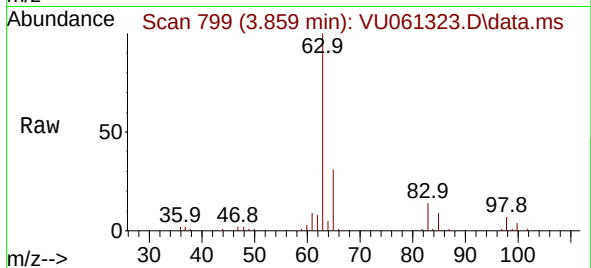
Tgt Ion: 96 Resp: 55151
Ion Ratio Lower Upper
96 100
61 137.0 97.9 181.7
98 65.8 46.2 85.8



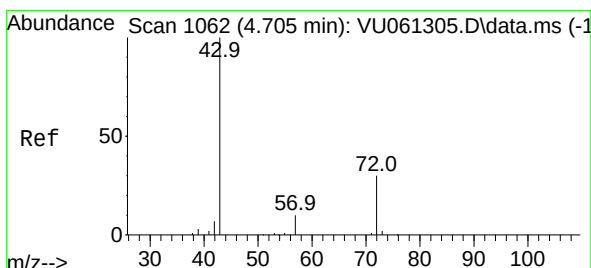
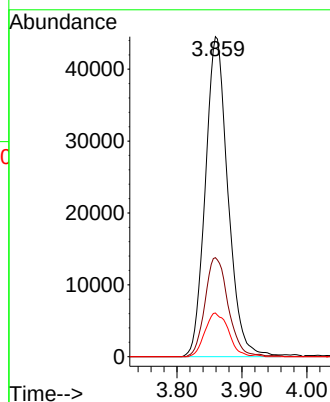
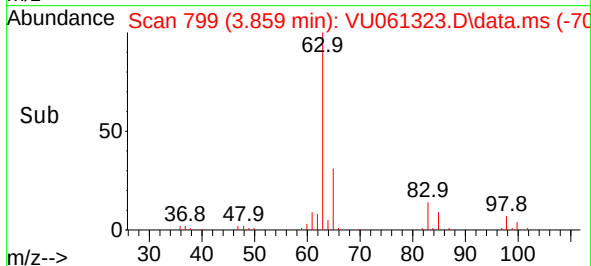


#19
1,1-Dichloroethane
Concen: 4.870 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Instrument :
MSVOA_U
ClientSampleId :

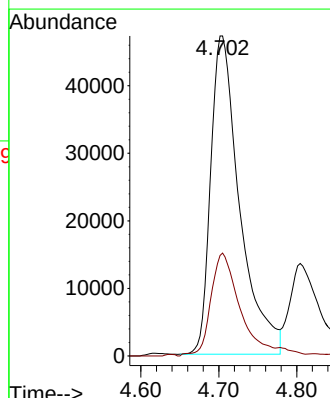
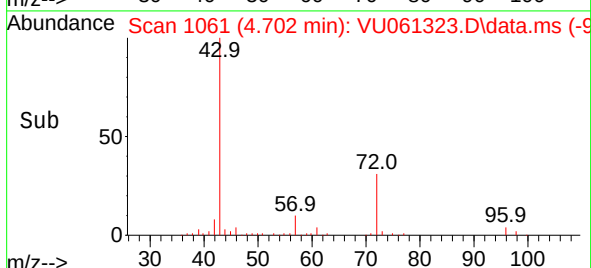
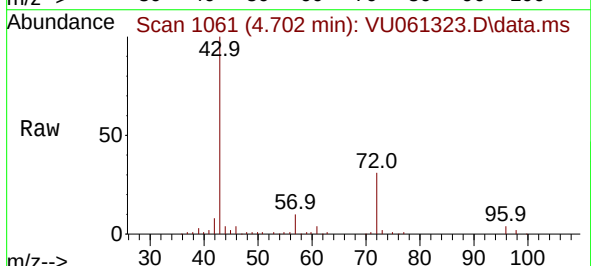


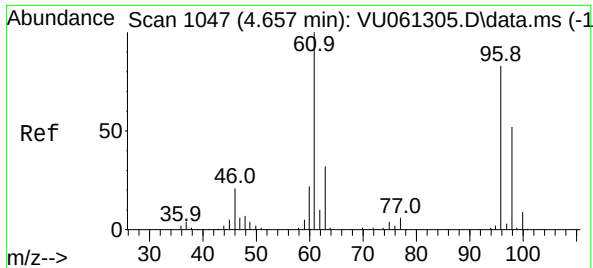
Tgt Ion: 63 Resp: 107646
Ion Ratio Lower Upper
63 100
65 30.9 23.0 42.6
83 13.7 9.7 17.9



#21
2-Butanone
Concen: 49.163 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.004 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

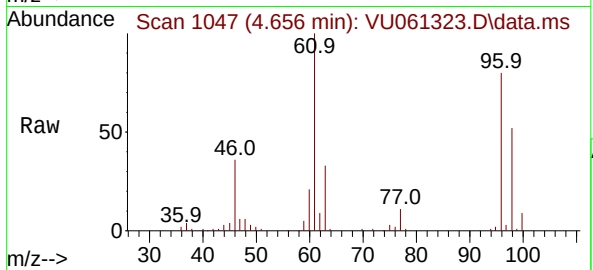
Tgt Ion: 43 Resp: 122056
Ion Ratio Lower Upper
43 100
72 32.0 15.9 47.6



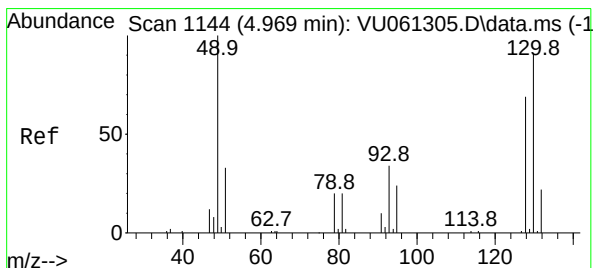
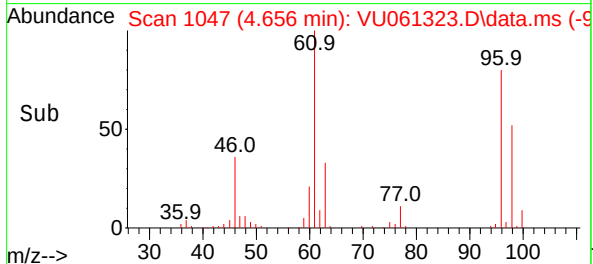
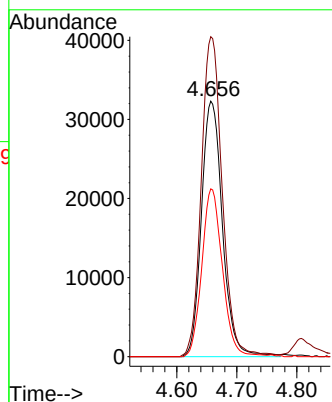


#22
 cis-1,2-Dichloroethene
 Concen: 5.895 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

Instrument :
 MSVOA_U
 ClientSampleId :

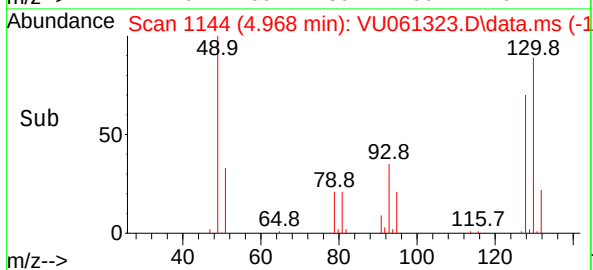
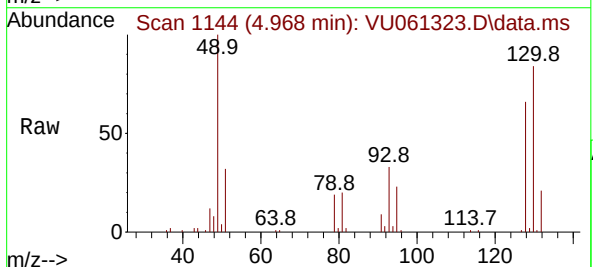
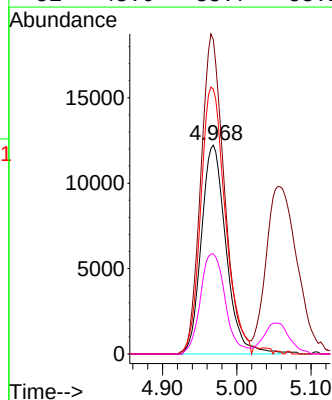


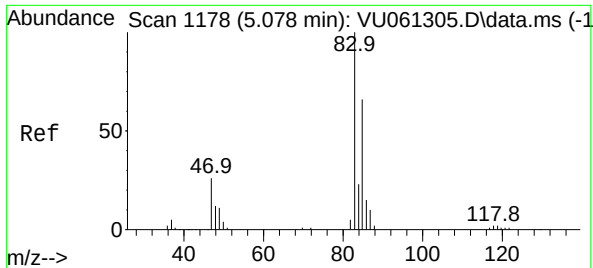
Tgt Ion:	96	Resp:	78920
Ion	Ratio	Lower	Upper
96	100		
61	125.2	88.1	163.5
98	65.7	45.0	83.6



#23
 Bromochloromethane
 Concen: 5.001 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

Tgt Ion:	128	Resp:	28170
Ion	Ratio	Lower	Upper
128	100		
49	150.6	105.1	195.1
130	126.9	89.6	166.4
51	48.0	38.7	58.1





#25

Chloroform

Concen: 4.858 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

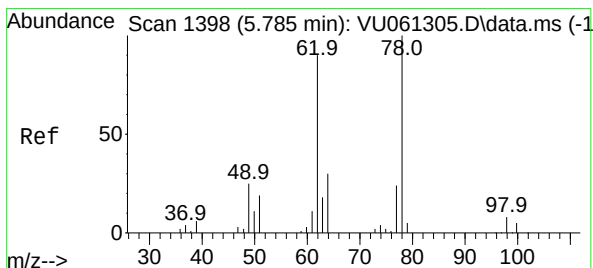
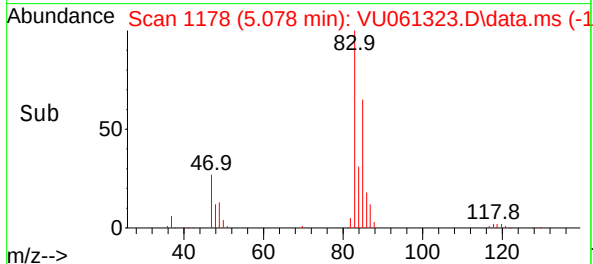
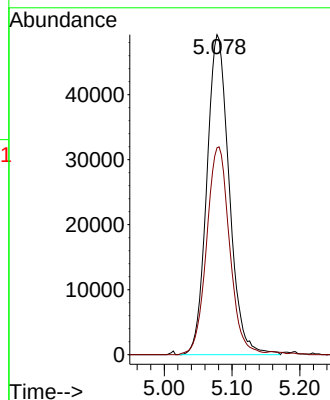
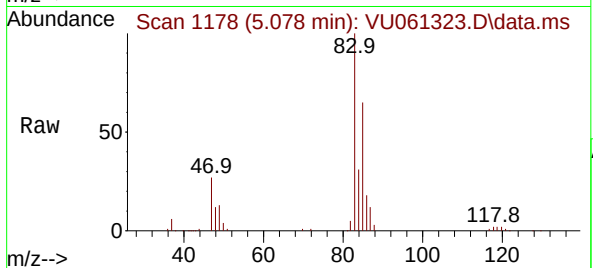
ClientSampleId :

Tgt Ion: 83 Resp: 112904

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.805 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU061323.D

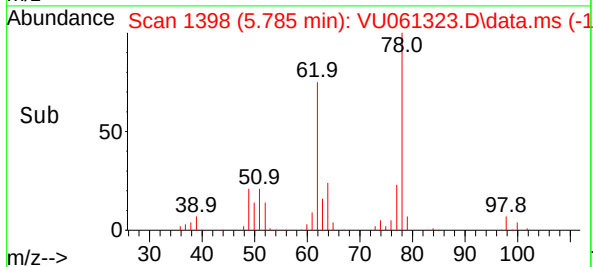
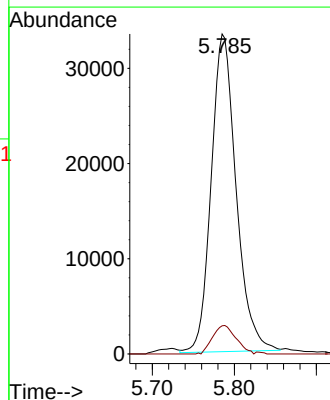
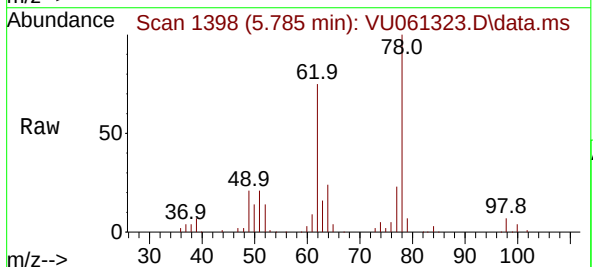
Acq: 31 Oct 2024 19:56

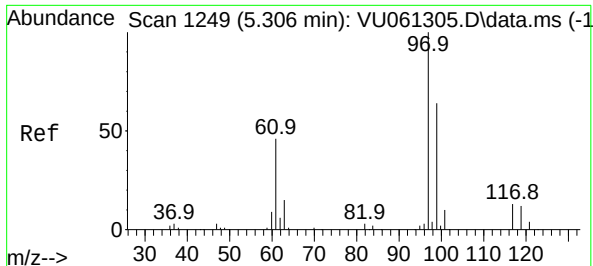
Tgt Ion: 62 Resp: 70579

Ion Ratio Lower Upper

62 100

98 8.8 7.4 11.0

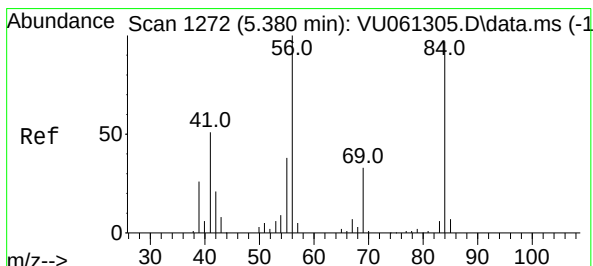
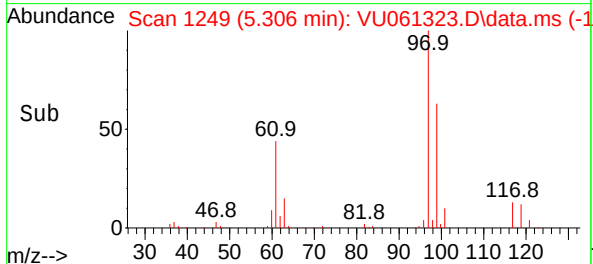
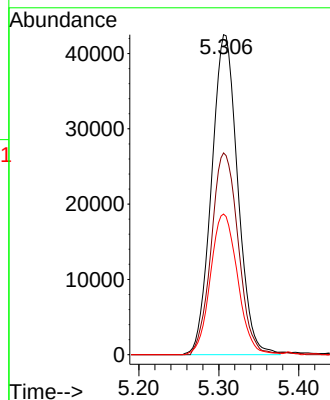
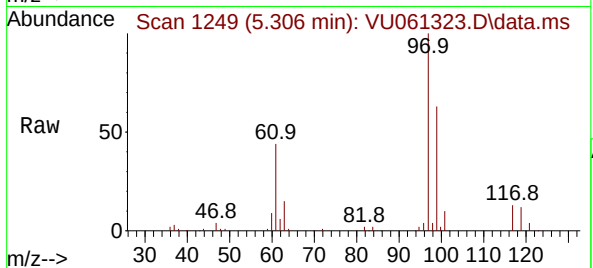




#29
1,1,1-Trichloroethane
Concen: 4.781 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

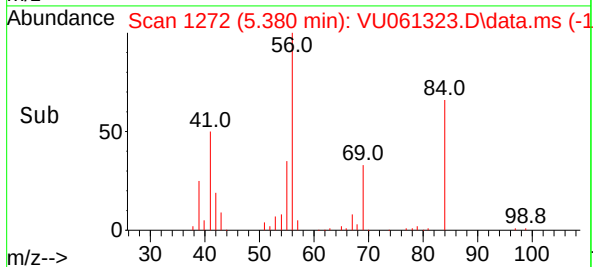
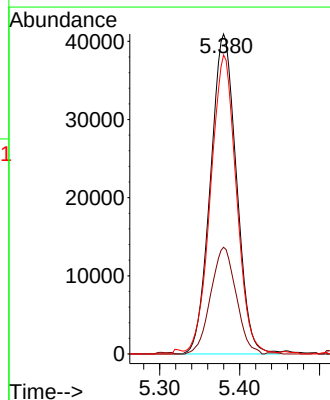
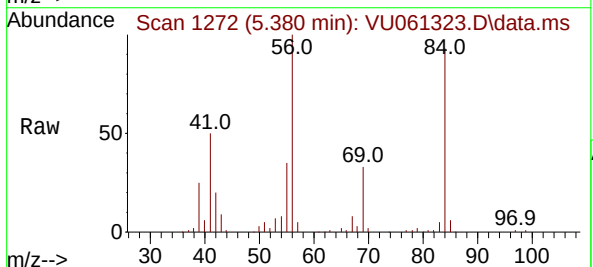
Instrument :
MSVOA_U
ClientSampleId :

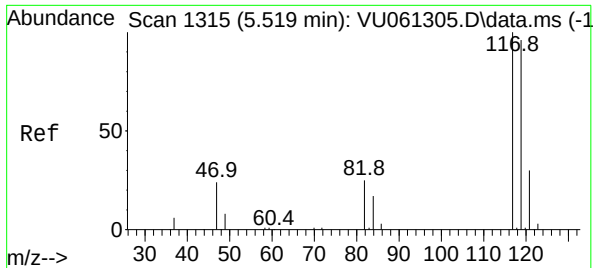
Tgt Ion: 97 Resp: 96599
Ion Ratio Lower Upper
97 100
99 64.9 50.8 76.2
61 45.7 36.1 54.1



#30
Cyclohexane
Concen: 4.559 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion: 56 Resp: 92401
Ion Ratio Lower Upper
56 100
69 32.6 25.8 38.6
84 91.4 73.9 110.9

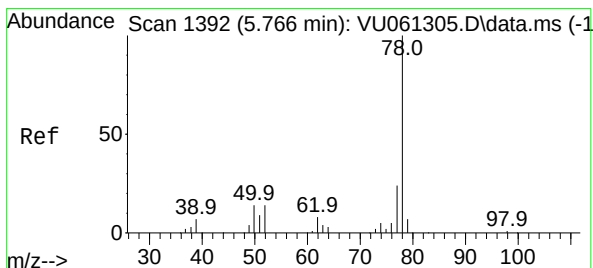
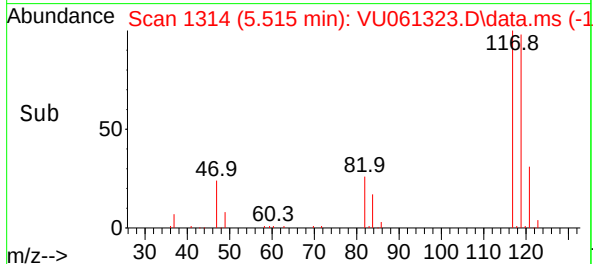
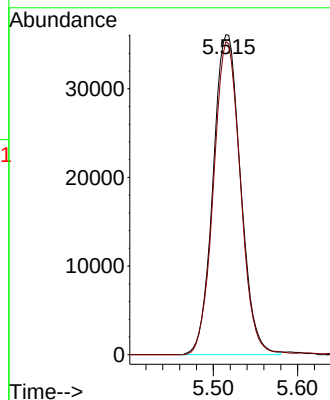
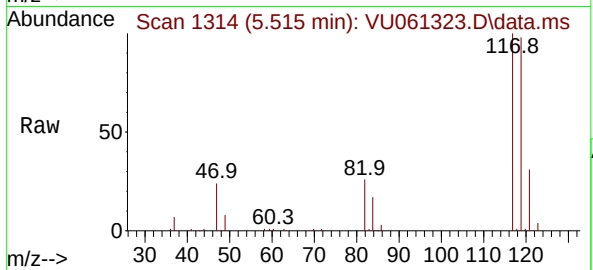




#31
Carbon tetrachloride
Concen: 4.732 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.004 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

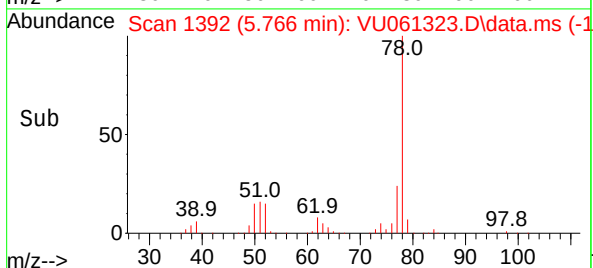
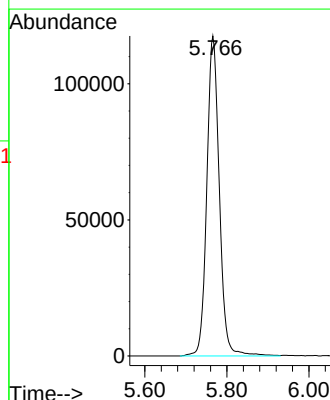
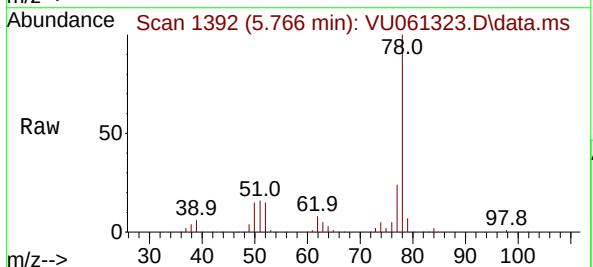
Instrument :
MSVOA_U
ClientSampleId :

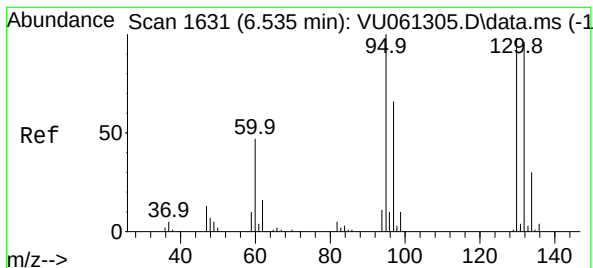
Tgt Ion:117 Resp: 81815
Ion Ratio Lower Upper
117 100
119 95.7 75.5 113.3



#33
Benzene
Concen: 4.874 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion: 78 Resp: 248736





#34

Trichloroethene

Concen: 58.230 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 808348

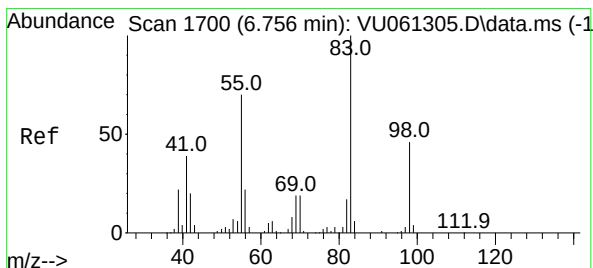
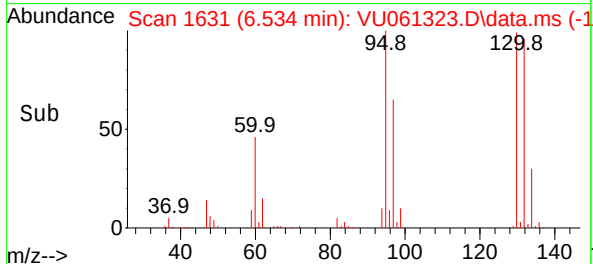
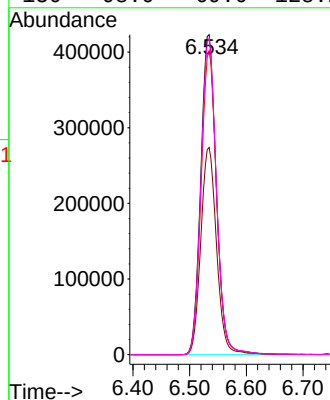
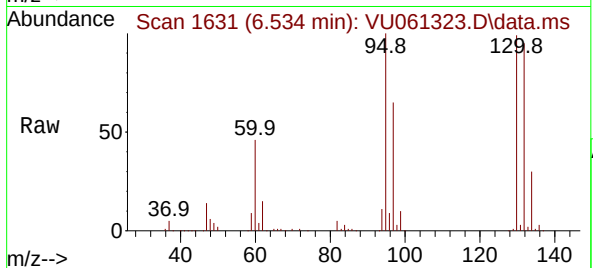
Ion Ratio Lower Upper

95 100

97 64.7 46.1 85.7

132 95.0 66.1 122.7

130 98.9 69.0 128.2



#35

Methylcyclohexane

Concen: 4.582 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.004 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

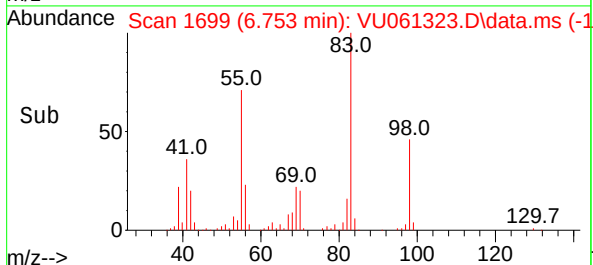
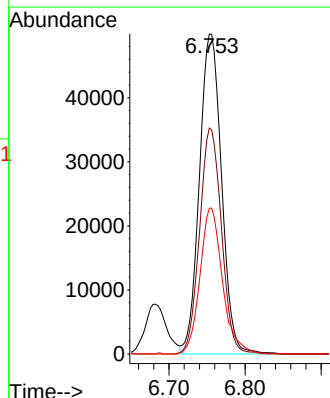
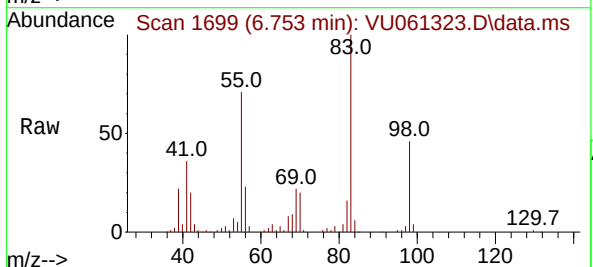
Tgt Ion: 83 Resp: 101229

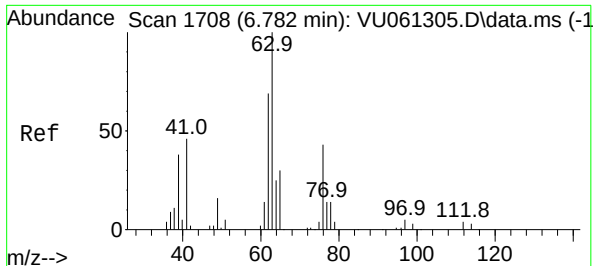
Ion Ratio Lower Upper

83 100

55 69.8 55.9 83.9

98 46.2 35.9 53.9

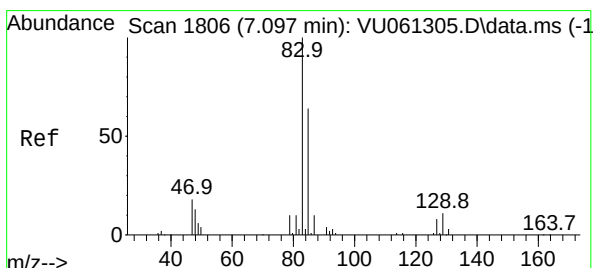
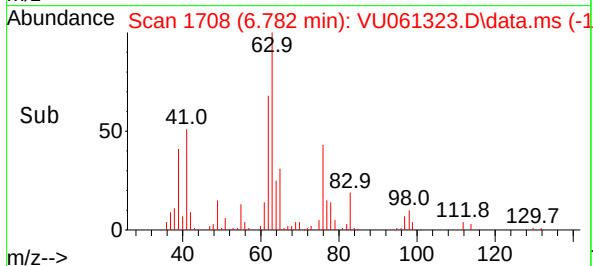
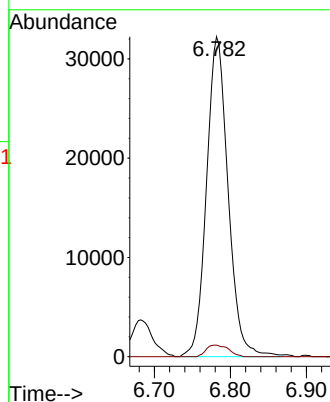
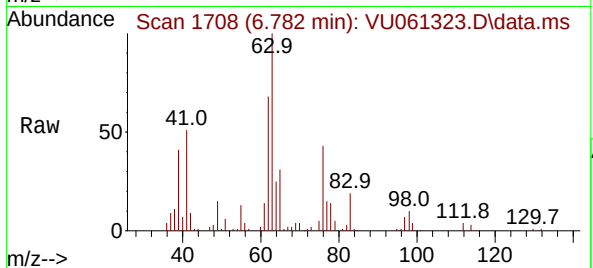




#37
1,2-Dichloropropane
Concen: 4.914 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

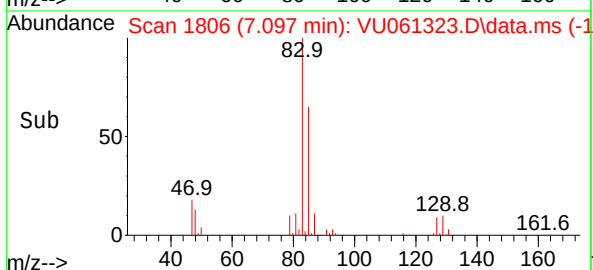
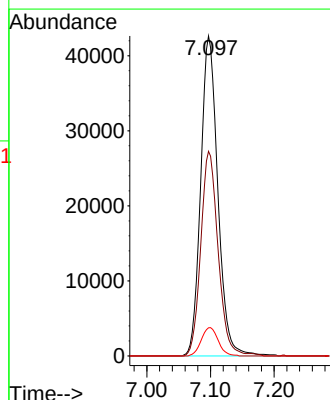
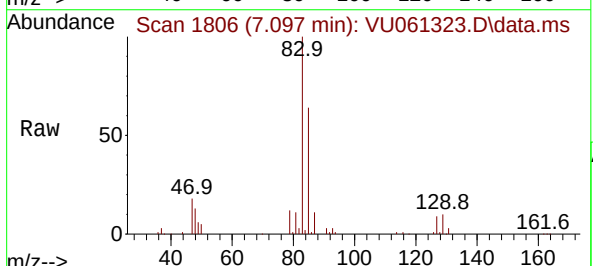
Instrument :
MSVOA_U
ClientSampleId :

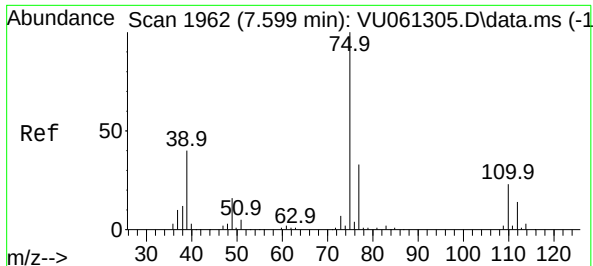
Tgt Ion: 63 Resp: 63559
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 4.875 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion: 83 Resp: 79804
Ion Ratio Lower Upper
83 100
85 63.9 43.8 81.4
127 8.8 7.4 11.0

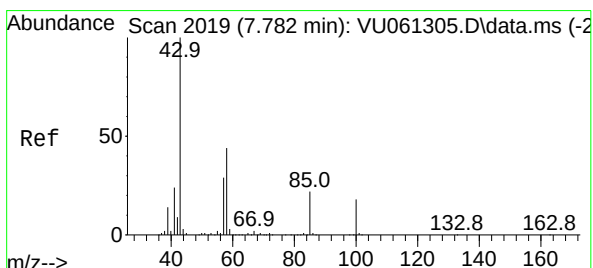
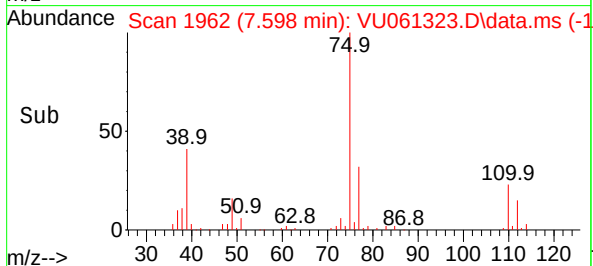
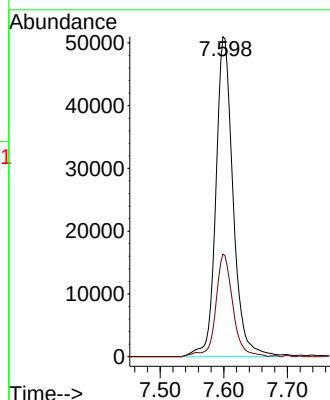
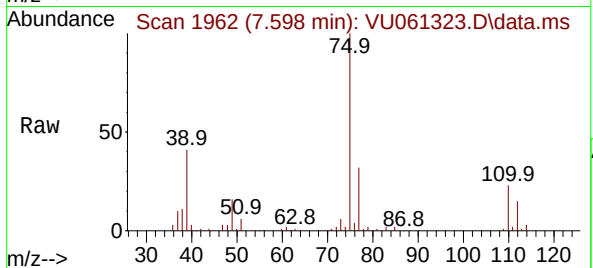




#39
 cis-1,3-Dichloropropene
 Concen: 4.803 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

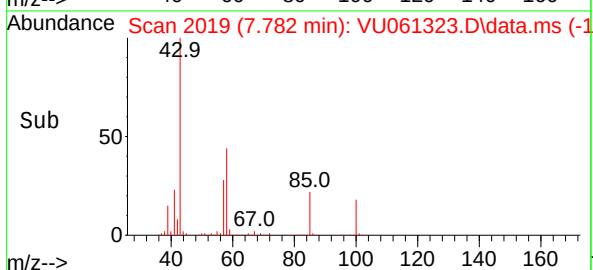
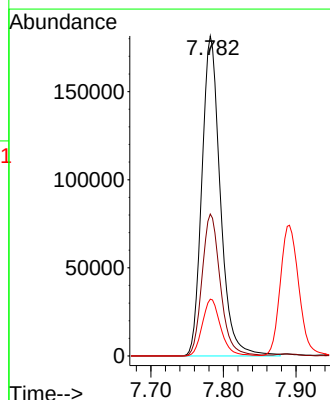
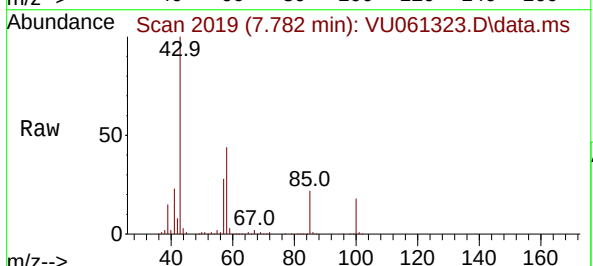
Instrument :
 MSVOA_U
 ClientSampleId :

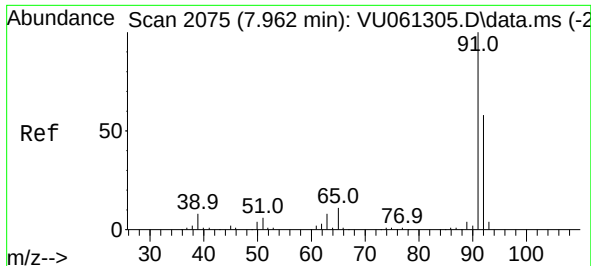
Tgt Ion: 75 Resp: 95961
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 49.923 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

Tgt Ion: 43 Resp: 321399
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.1 52.7
 100 17.7 14.0 21.0





#42

Toluene

Concen: 4.866 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

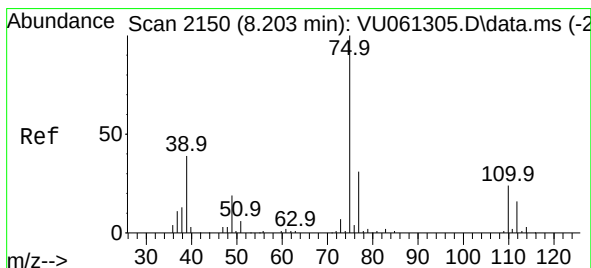
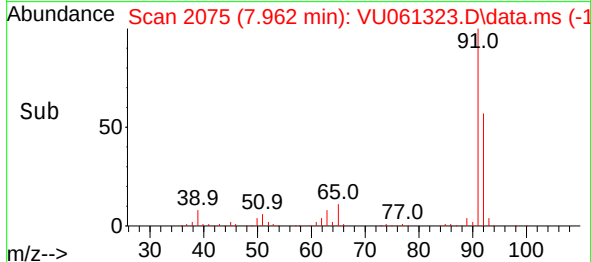
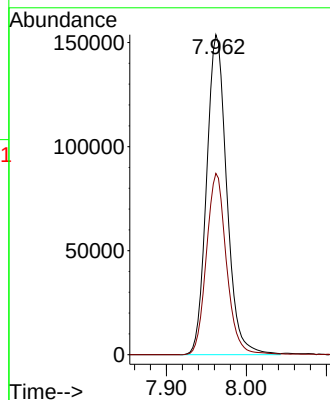
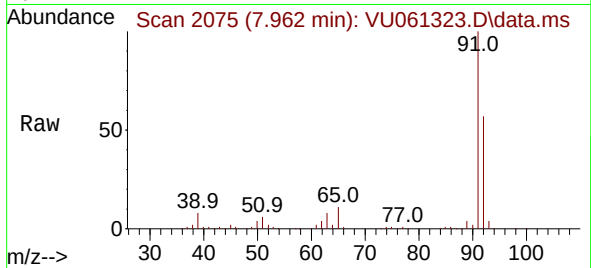
ClientSampleId :

Tgt Ion: 91 Resp: 269662

Ion Ratio Lower Upper

91 100

92 56.6 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.713 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU061323.D

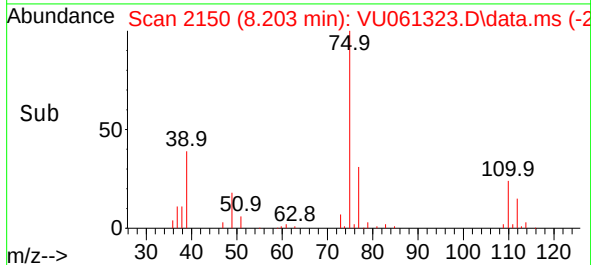
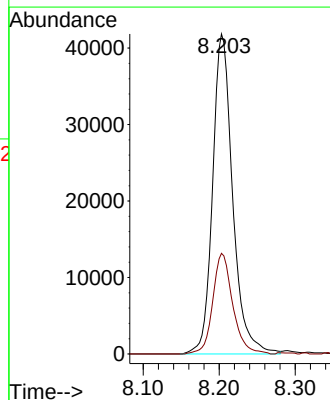
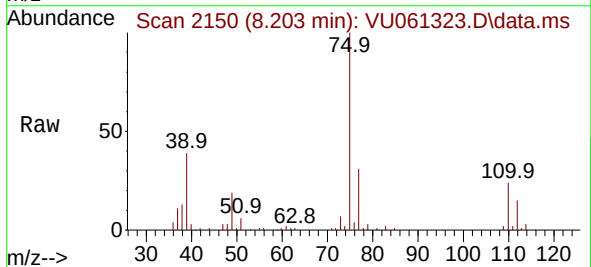
Acq: 31 Oct 2024 19:56

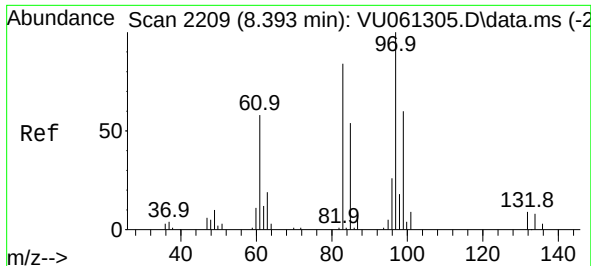
Tgt Ion: 75 Resp: 76717

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8

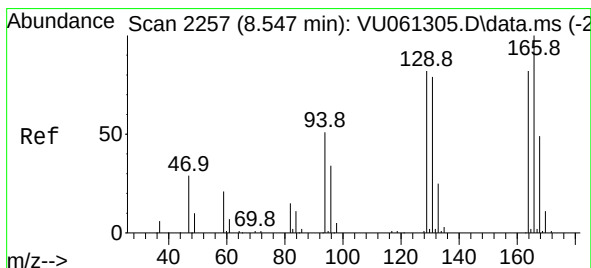
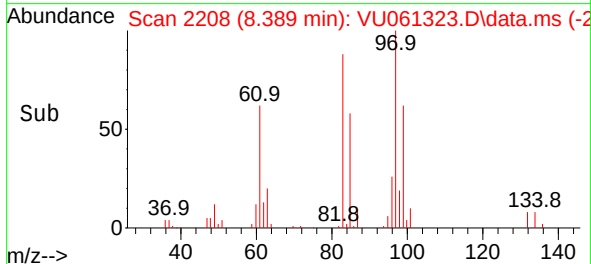
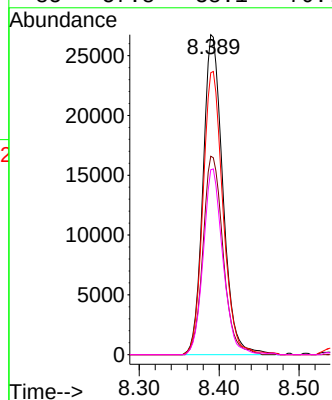
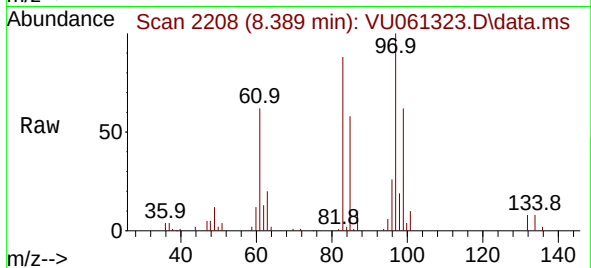




#45
1,1,2-Trichloroethane
Concen: 4.968 ug/L
RT: 8.389 min Scan# 2209
Delta R.T. -0.004 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

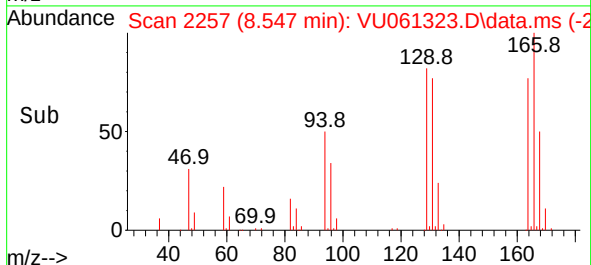
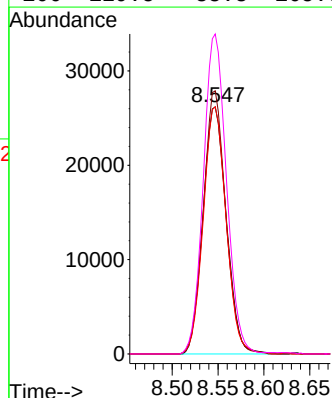
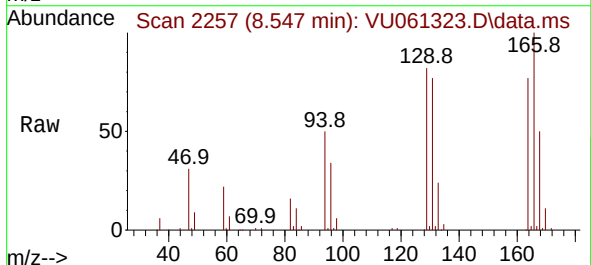
Instrument :
MSVOA_U
ClientSampleId :

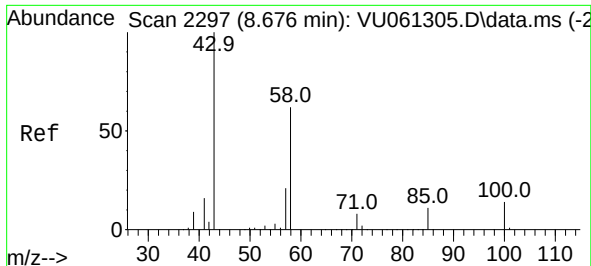
Tgt Ion: 97	Resp: 46245
Ion Ratio	Lower Upper
97 100	
99 62.0	44.1 81.9
83 88.1	61.2 113.6
85 57.8	38.1 70.7



#47
Tetrachloroethene
Concen: 4.805 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt	Ion:164	Resp:	46587
Ion	Ratio	Lower	Upper
164	100		
129	106.5	69.9	129.7
131	100.1	68.3	126.8
166	129.5	88.8	165.0

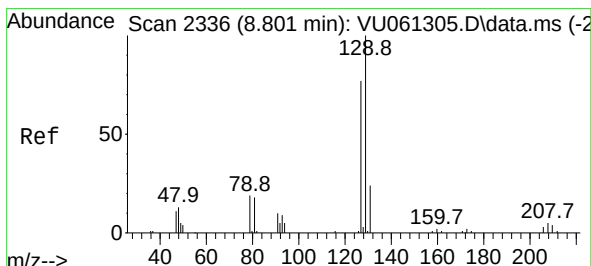
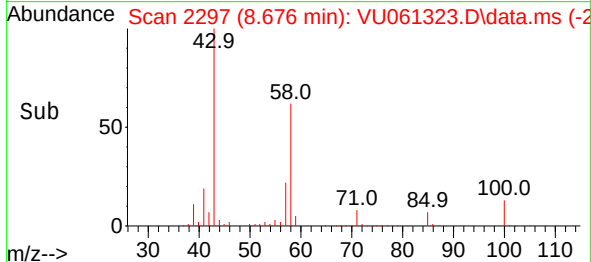
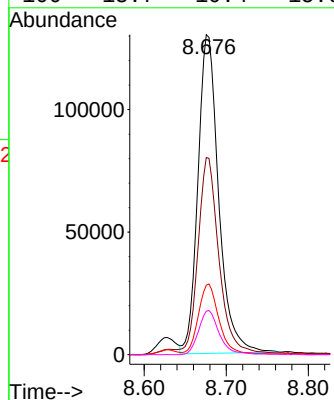
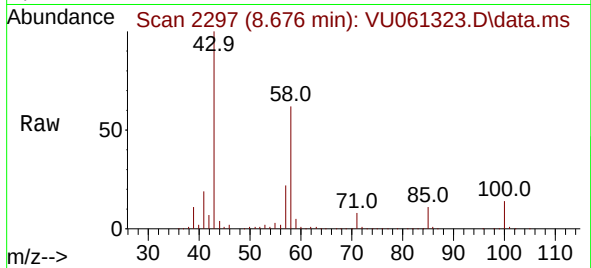




#48
2-Hexanone
Concen: 50.350 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

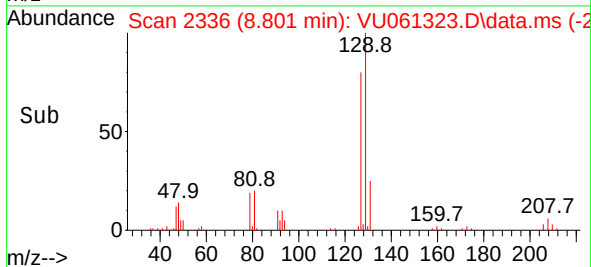
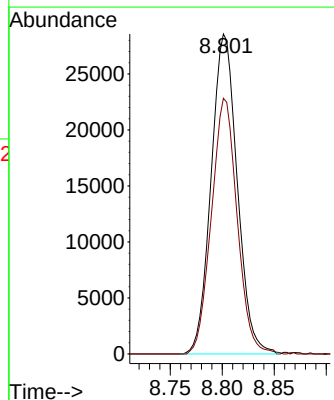
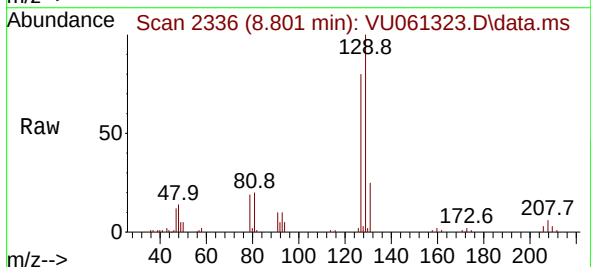
Instrument :
MSVOA_U
ClientSampleId :

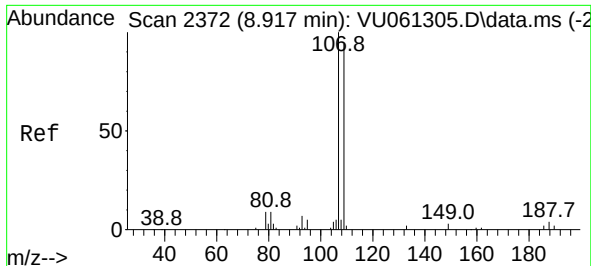
Tgt Ion:	43	Resp:	229216
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.6	72.8
57	21.7	17.0	25.6
100	13.7	10.4	15.6



#49
Dibromochloromethane
Concen: 4.731 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion:	129	Resp:	49950
Ion	Ratio	Lower	Upper
129	100		
127	79.9	51.8	96.2





#50

1,2-Dibromoethane

Concen: 4.867 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

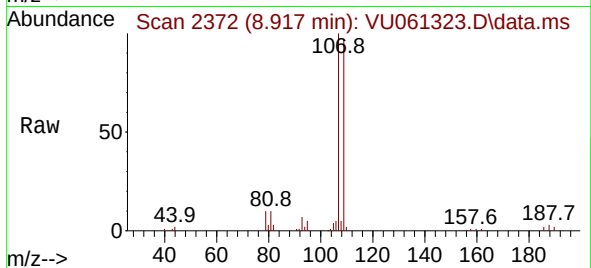
Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :



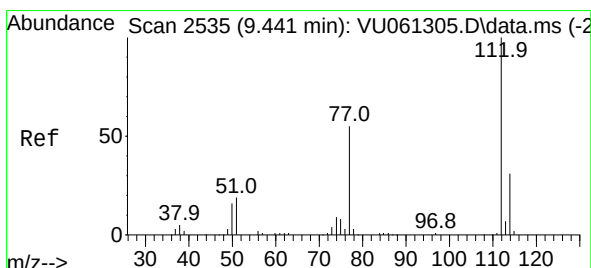
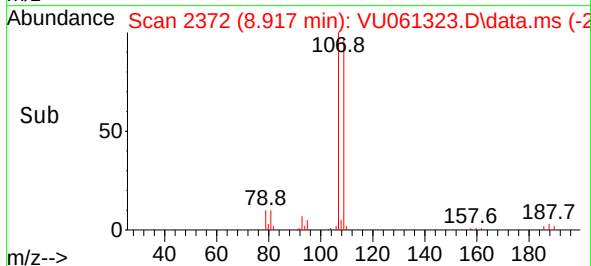
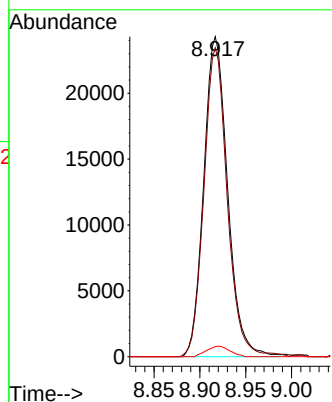
Tgt Ion:107 Resp: 44015

Ion Ratio Lower Upper

107 100

109 96.6 63.4 117.8

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 4.879 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

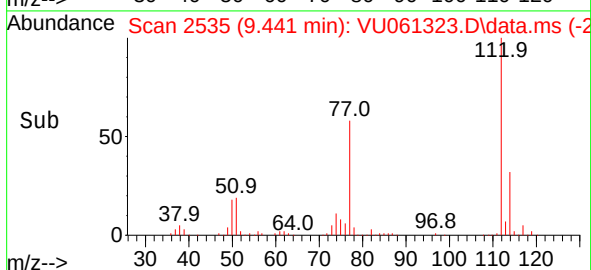
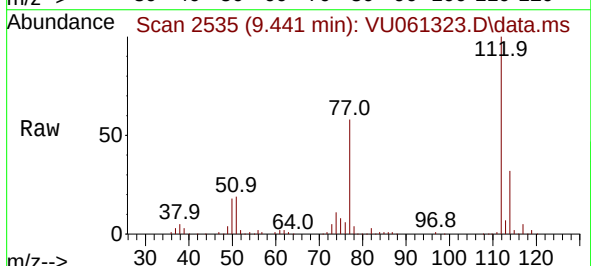
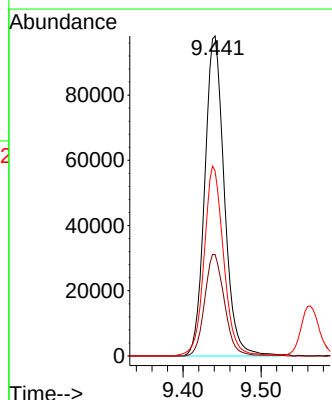
Tgt Ion:112 Resp: 170907

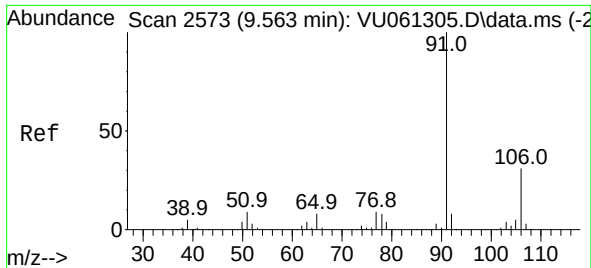
Ion Ratio Lower Upper

112 100

114 31.7 22.9 42.5

77 57.9 47.1 70.7

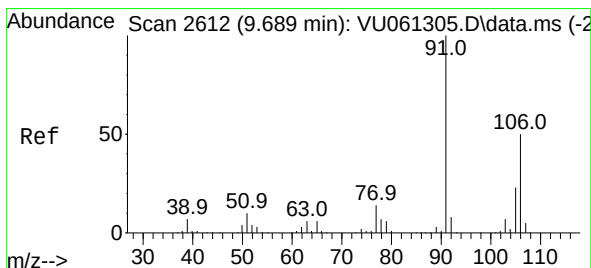
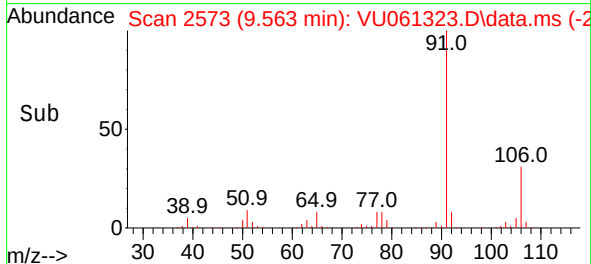
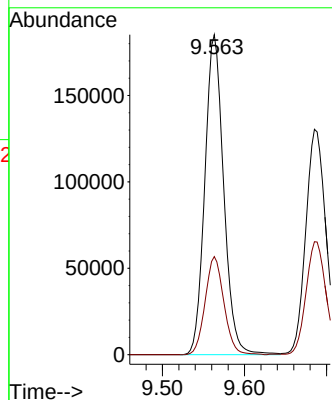
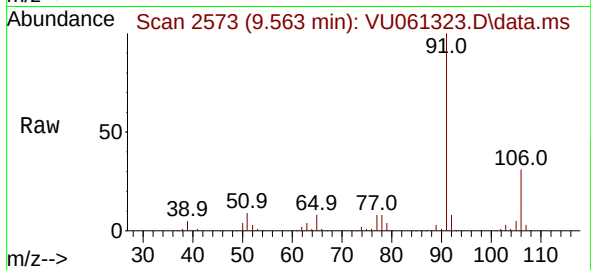




#52
Ethylbenzene
Concen: 4.845 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

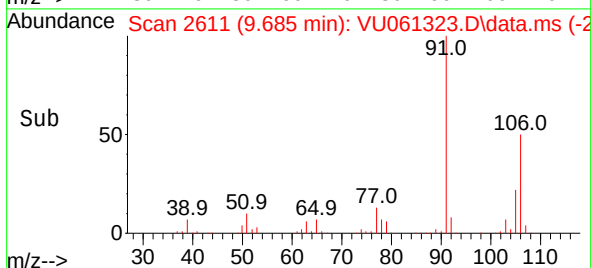
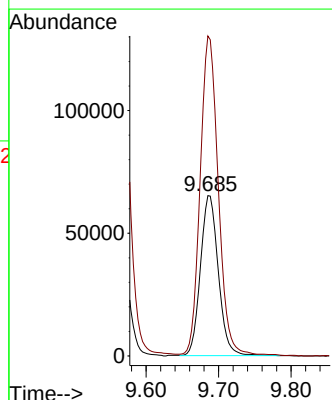
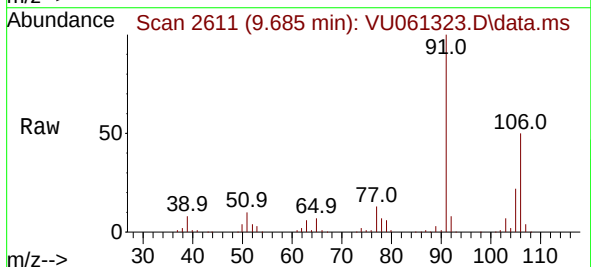
Instrument :
MSVOA_U
ClientSampleId :

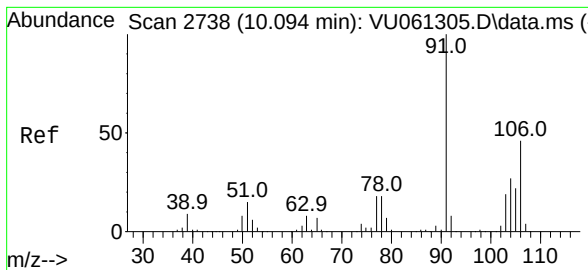
Tgt Ion: 91 Resp: 295361
Ion Ratio Lower Upper
91 100
106 30.7 22.0 41.0



#53
m,p-Xylene
Concen: 4.811 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.004 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion:106 Resp: 111734
Ion Ratio Lower Upper
106 100
91 199.6 145.7 270.7

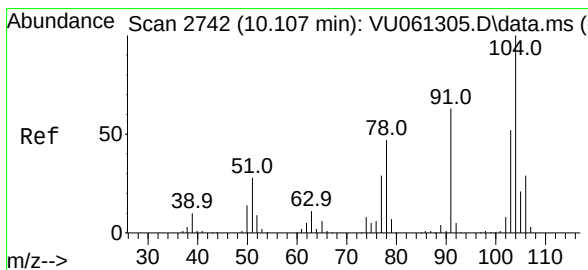
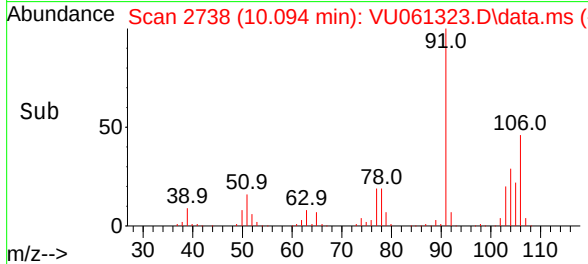
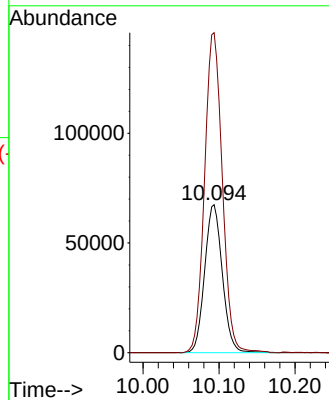
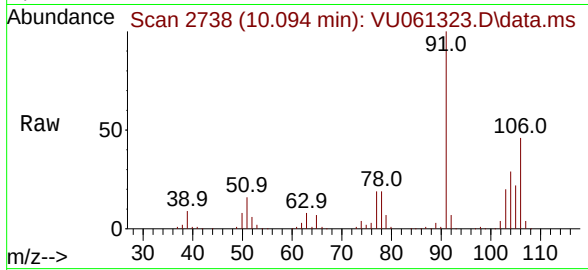




#54
o-Xylene
Concen: 4.752 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

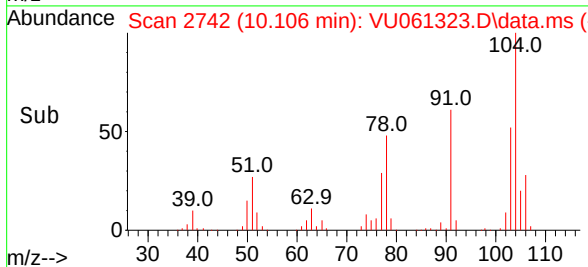
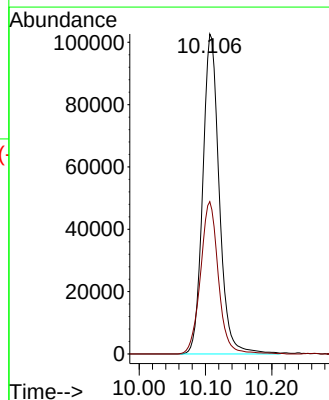
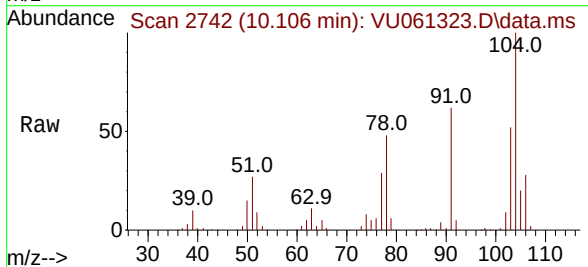
Instrument :
MSVOA_U
ClientSampleId :

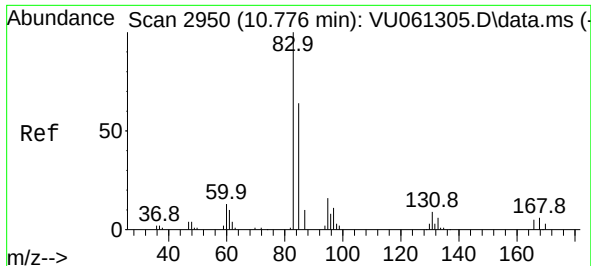
Tgt Ion:106 Resp: 108921
Ion Ratio Lower Upper
106 100
91 216.2 148.8 276.4



#55
Styrene
Concen: 4.827 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion:104 Resp: 177370
Ion Ratio Lower Upper
104 100
78 47.6 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.083 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.004 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

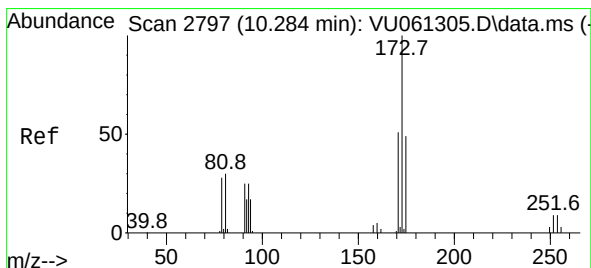
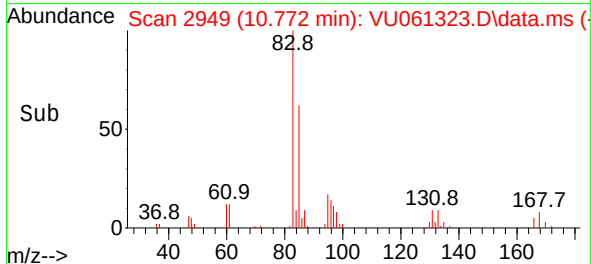
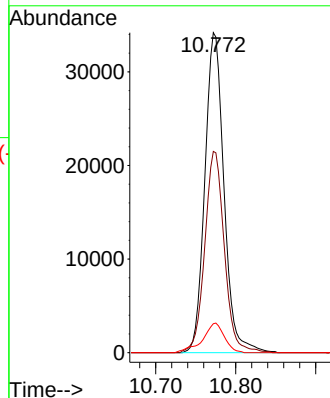
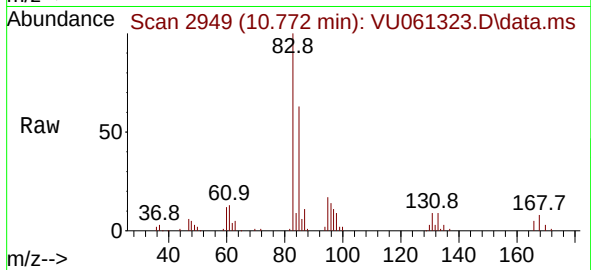
Tgt Ion: 83 Resp: 57016

Ion Ratio Lower Upper

83 100

85 62.9 45.3 84.1

131 9.0 7.6 11.4



#59

Bromoform

Concen: 4.741 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

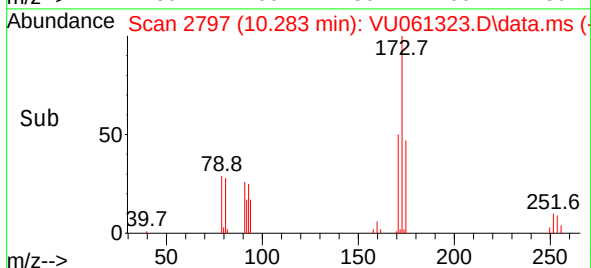
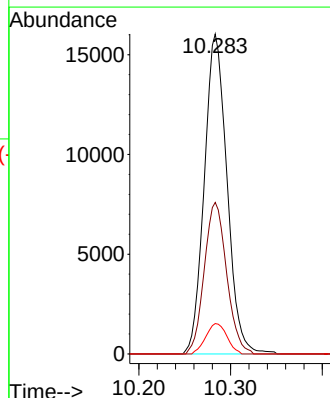
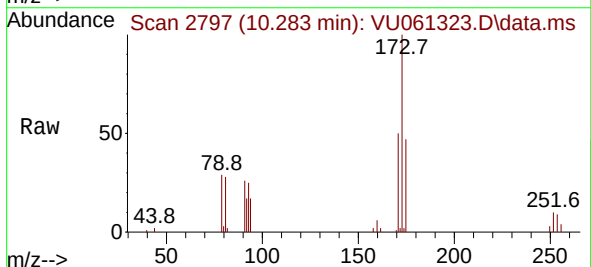
Tgt Ion:173 Resp: 27587

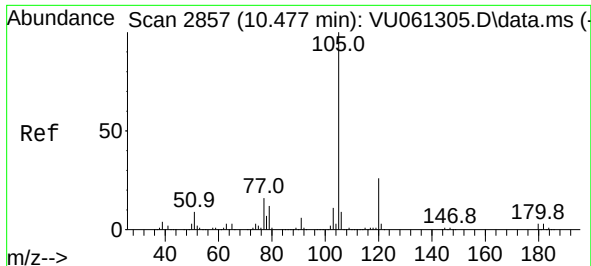
Ion Ratio Lower Upper

173 100

175 46.6 39.0 58.4

254 8.8 6.8 10.2

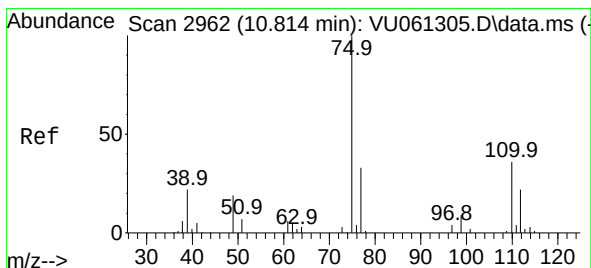
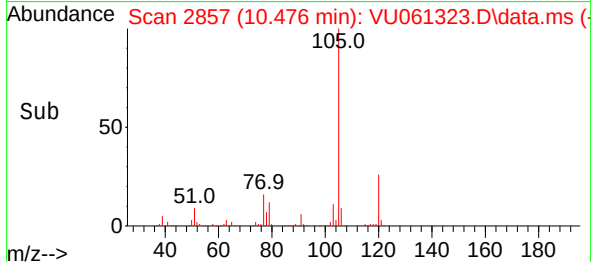
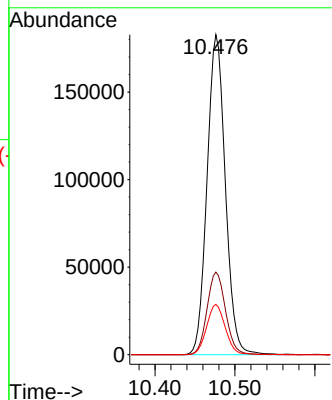
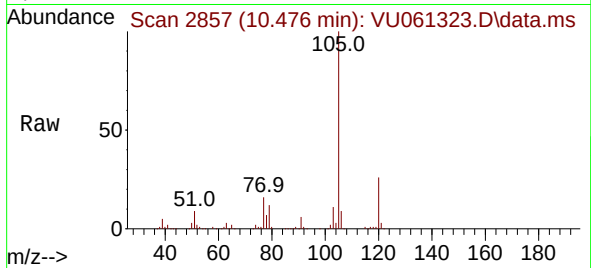




#60
Isopropylbenzene
Concen: 4.843 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

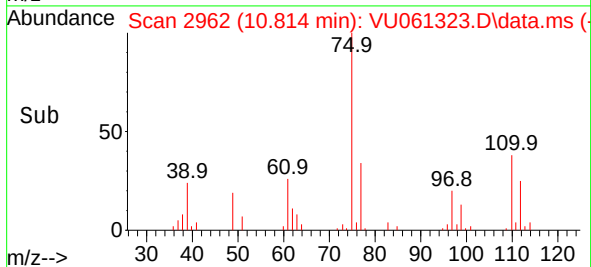
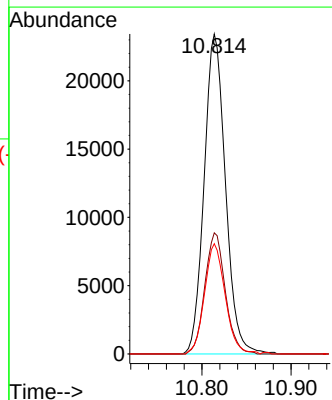
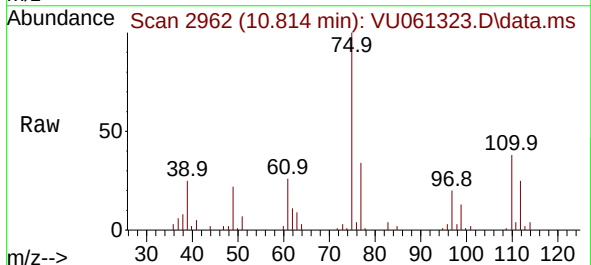
Instrument :
MSVOA_U
ClientSampleId :

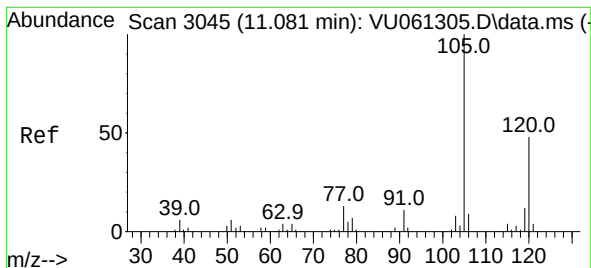
Tgt Ion:105 Resp: 290802
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8
77 16.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.979 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion: 75 Resp: 38989
Ion Ratio Lower Upper
75 100
110 36.2 28.8 43.2
77 33.4 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 4.758 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

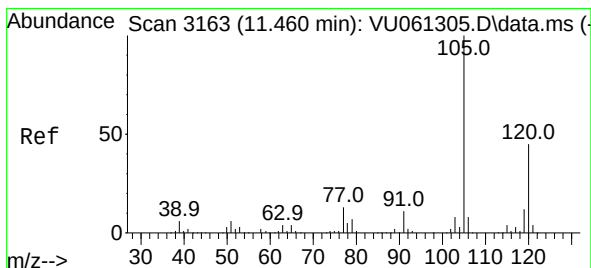
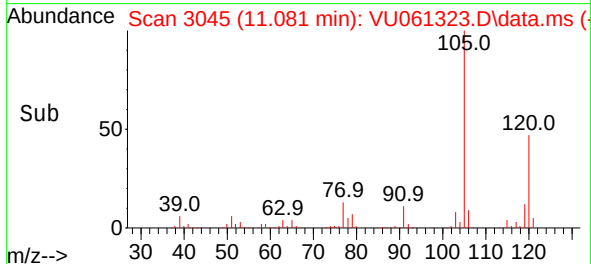
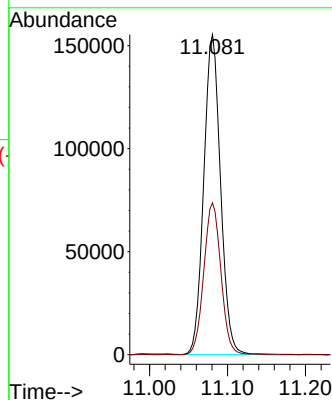
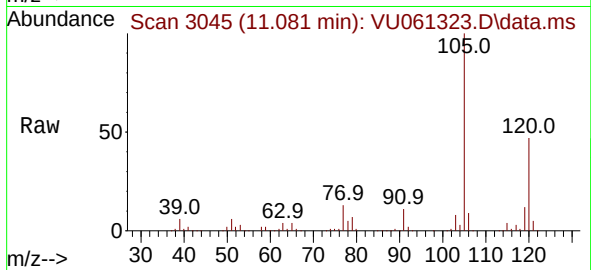
ClientSampleId :

Tgt Ion:105 Resp: 232574

Ion Ratio Lower Upper

105 100

120 48.4 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.731 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061323.D

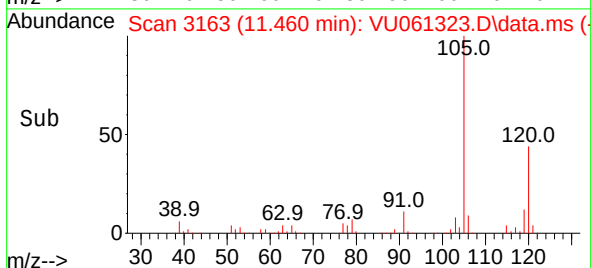
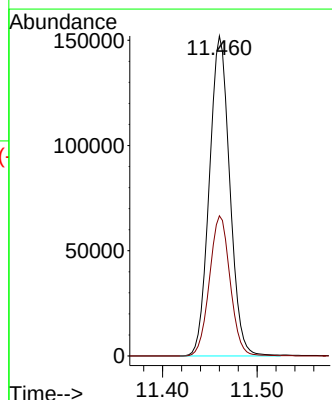
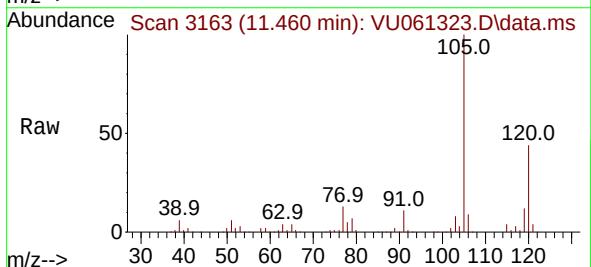
Acq: 31 Oct 2024 19:56

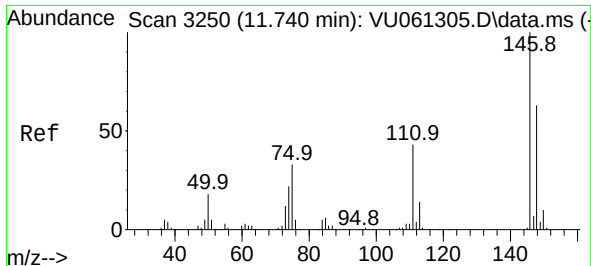
Tgt Ion:105 Resp: 228604

Ion Ratio Lower Upper

105 100

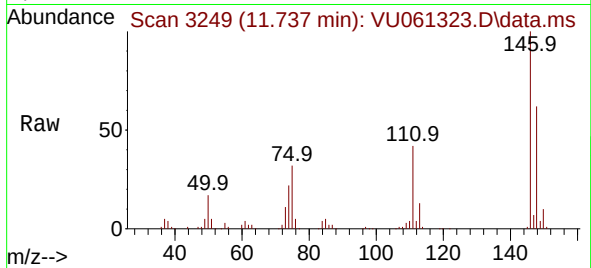
120 44.3 35.4 53.0



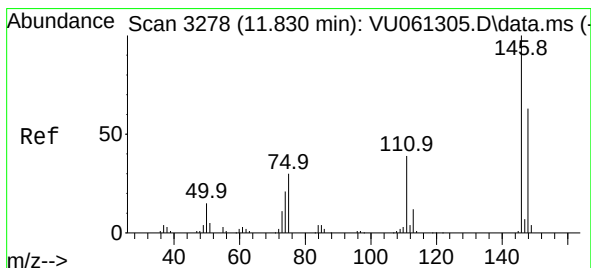
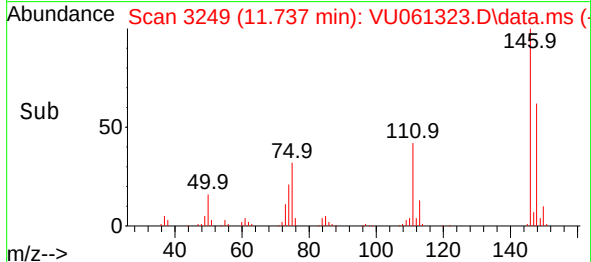
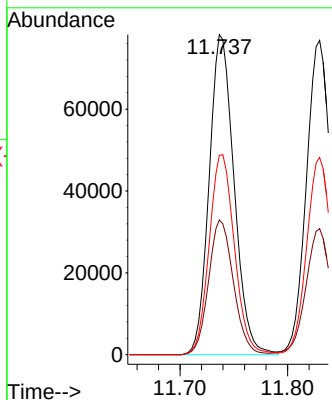


#64
1,3-Dichlorobenzene
Concen: 4.982 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.004 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Instrument :
MSVOA_U
ClientSampleId :

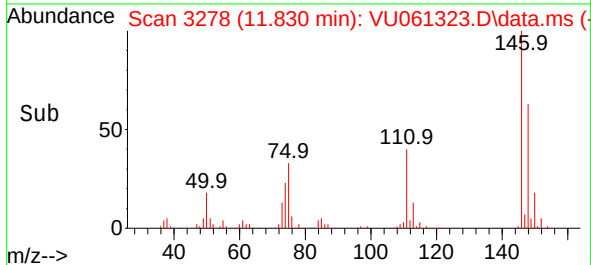
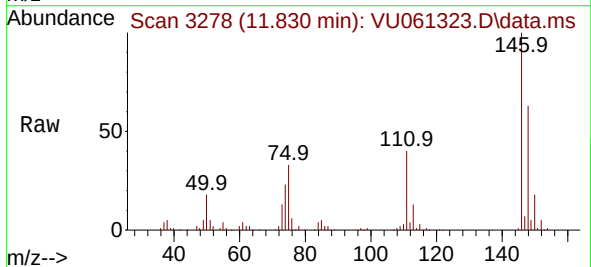
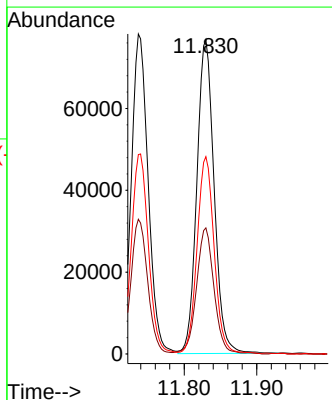


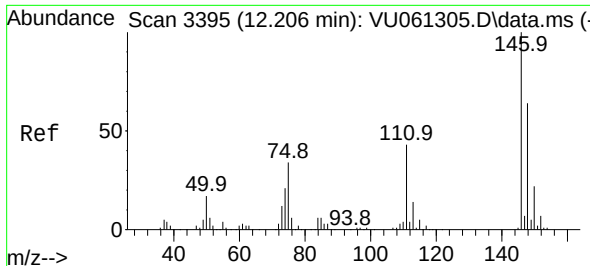
Tgt Ion:146 Resp: 125918
Ion Ratio Lower Upper
146 100
111 42.1 30.0 55.8
148 62.3 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.923 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU061323.D
Acq: 31 Oct 2024 19:56

Tgt Ion:146 Resp: 126834
Ion Ratio Lower Upper
146 100
111 40.1 28.2 52.4
148 62.8 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 4.997 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :

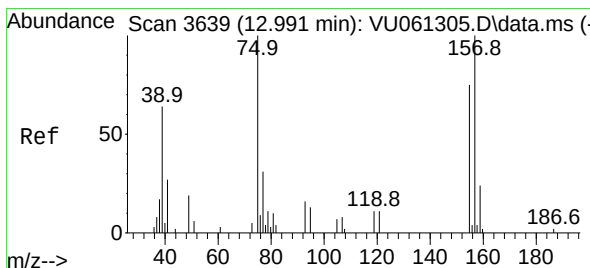
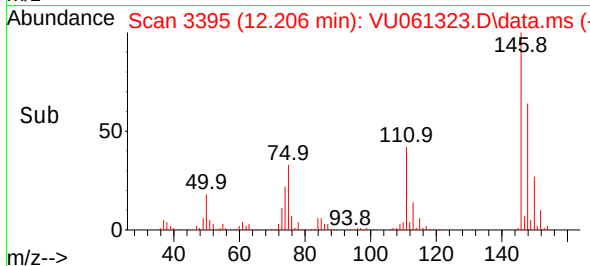
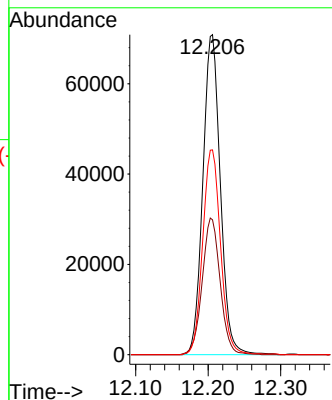
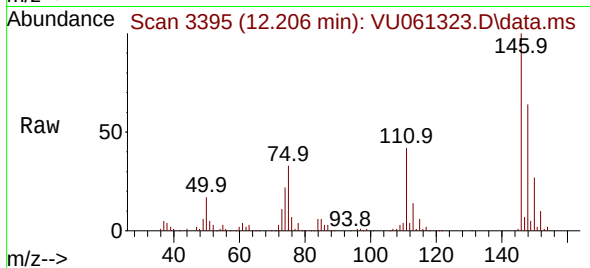
Tgt Ion:146 Resp: 118871

Ion Ratio Lower Upper

146 100

111 42.2 35.2 52.8

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.737 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

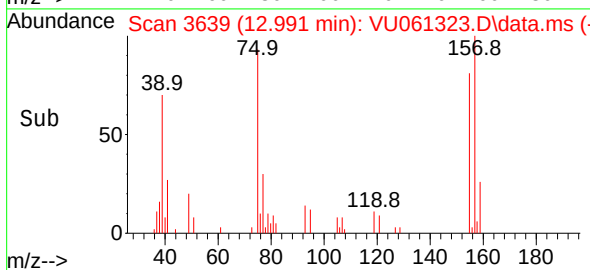
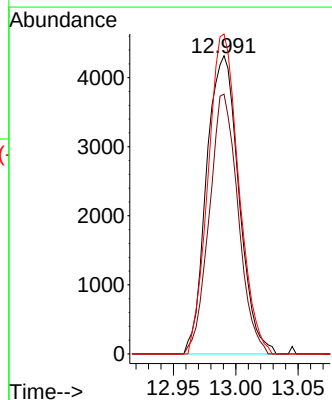
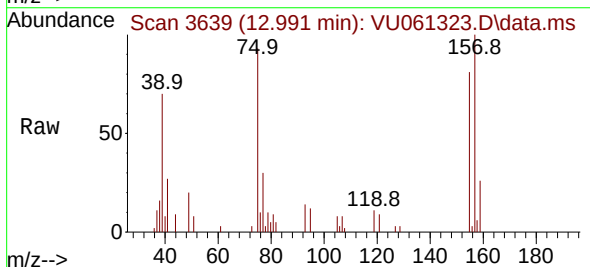
Tgt Ion: 75 Resp: 7789

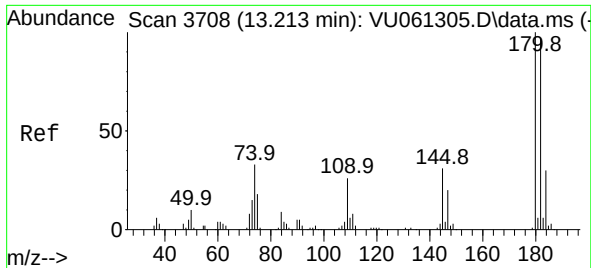
Ion Ratio Lower Upper

75 100

155 87.1 69.3 103.9

157 107.3 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 4.983 ug/L

RT: 13.212 min Scan# 3

Delta R.T. -0.000 min

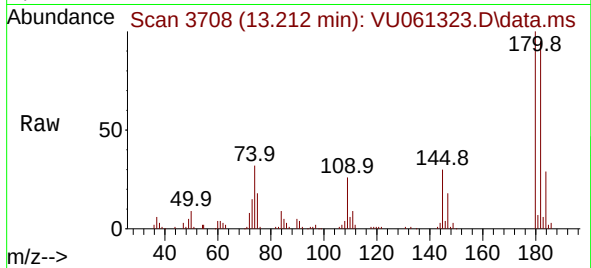
Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 86317

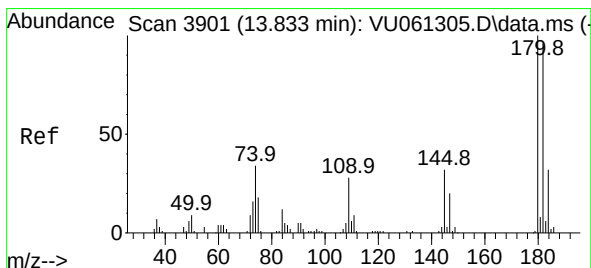
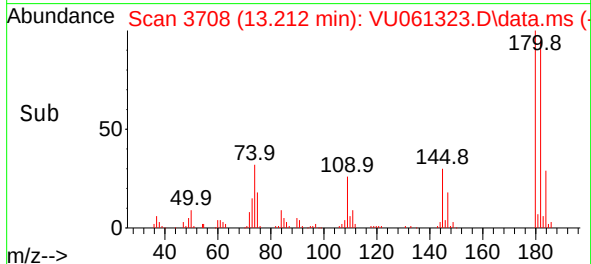
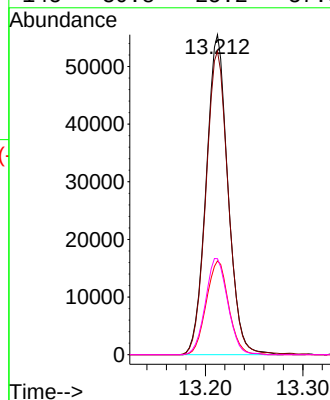
Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.2

184 29.9 24.4 36.6

145 30.8 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 5.084 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061323.D

Acq: 31 Oct 2024 19:56

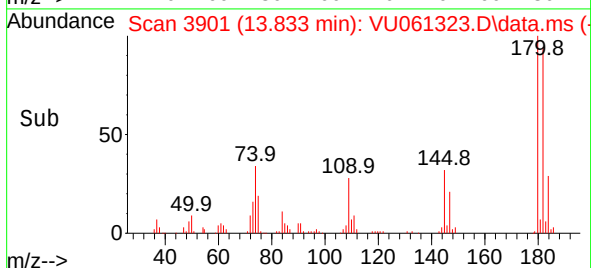
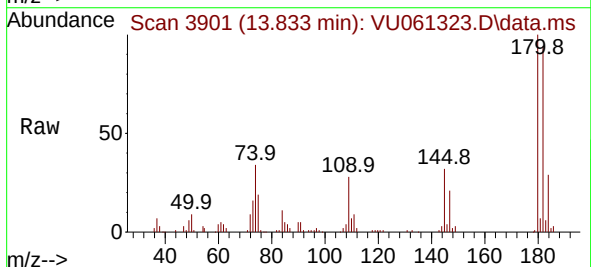
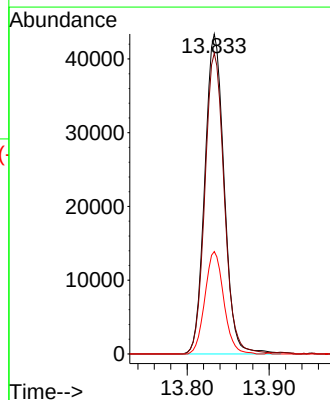
Tgt Ion:180 Resp: 71080

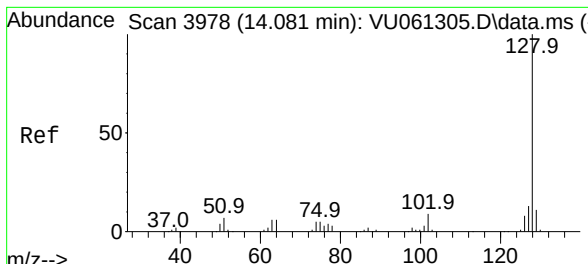
Ion Ratio Lower Upper

180 100

182 94.1 77.2 115.8

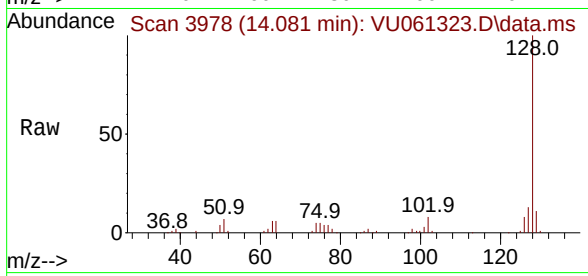
145 31.2 25.6 38.4





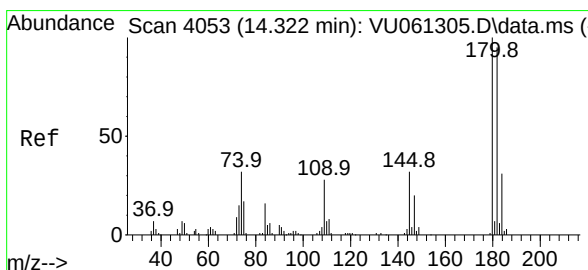
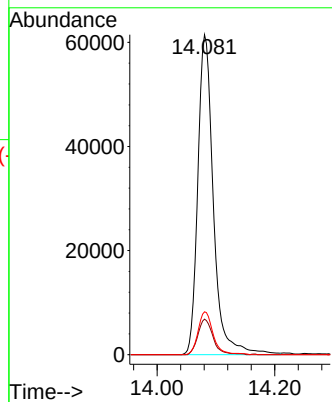
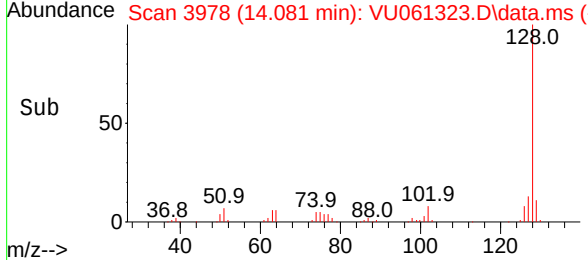
#71
 Naphthalene
 Concen: 5.121 ug/L
 RT: 14.081 min Scan# 3978
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56

Instrument :
 MSVOA_U
 ClientSampleId :

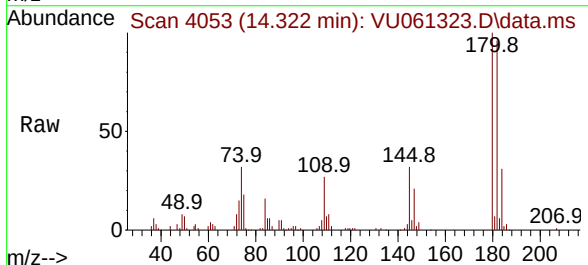


Tgt Ion:128 Resp: 112973

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.0	10.0	15.0



#72
 1,2,3-Trichlorobenzene
 Concen: 5.189 ug/L
 RT: 14.322 min Scan# 4053
 Delta R.T. -0.000 min
 Lab File: VU061323.D
 Acq: 31 Oct 2024 19:56



Tgt Ion:180 Resp: 60691

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
145	32.7	26.5	39.7

