

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120624\
 Data File : VU062119.D
 Acq On : 05 Dec 2024 23:40
 Operator : MD/SY
 Sample : P5104-21MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 06 02:33:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 02:27:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	106068	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	100909	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	52817	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	20283	3.898	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.911	69	18668	4.056	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.560	65	9268	4.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%
20) 2-Butanone-d5	4.628	46	72571	44.418	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.840%
24) Chloroform-d	5.052	84	64335	5.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.692	65	31660	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.718	84	100206	5.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.679	67	33743	5.051	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.888	98	87954	5.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
43) trans-1,3-Dichloroprop...	8.171	79	13796	5.578	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.600%
46) 2-Hexanone-d5	8.624	63	51187	45.345	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.680%
56) 1,1,2,2-Tetrachloroeth...	10.747	84	31974	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.184	152	40561	5.194	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	48565	5.233	ug/L	97
3) Chloromethane	1.515	50	37233	3.893	ug/L	100
5) Vinyl chloride	1.599	62	39389	4.008	ug/L	100
6) Bromomethane	1.853	94	25814	4.413	ug/L	98
8) Chloroethane	1.930	64	22173	3.499	ug/L	94
9) Trichlorofluoromethane	2.133	101	66963	5.387	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	36330	4.750	ug/L	93
12) 1,1-Dichloroethene	2.573	96	33450	4.703	ug/L	92
13) Acetone	2.647	43	48515	43.009	ug/L	96
14) Carbon disulfide	2.785	76	95652	4.227	ug/L	99
15) Methyl Acetate	2.956	43	9422	3.253	ug/L #	78
16) Methylene chloride	3.036	84	36529	4.277	ug/L	91
17) Methyl tert-butyl Ether	3.355	73	86860	4.764	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	34844	4.634	ug/L	95
19) 1,1-Dichloroethane	3.859	63	66494	4.539	ug/L	99
21) 2-Butanone	4.708	43	72623	39.835	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	40168	4.747	ug/L	97
23) Bromochloromethane	4.962	128	18014	4.897	ug/L #	85
25) Chloroform	5.078	83	75510	4.932	ug/L	99

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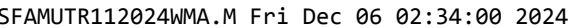
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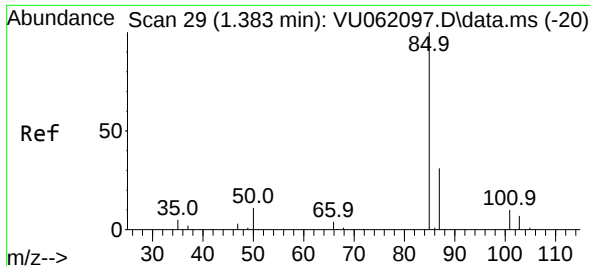
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 06 02:27:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	45925	4.663	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	68962	5.929	ug/L	95
30) Cyclohexane	5.377	56	54978	4.519	ug/L	94
31) Carbon tetrachloride	5.512	117	61005	6.177	ug/L	99
33) Benzene	5.763	78	149672	4.911	ug/L	100
34) Trichloroethene	6.534	95	41490	5.101	ug/L	96
35) Methylcyclohexane	6.750	83	59194	4.758	ug/L	97
37) 1,2-Dichloropropane	6.779	63	38496	4.862	ug/L	100
38) Bromodichloromethane	7.094	83	52295	5.446	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	58557	5.275	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	183596	42.978	ug/L #	93
42) Toluene	7.959	91	164964	5.158	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	46567	5.282	ug/L	100
45) 1,1,2-Trichloroethane	8.390	97	29073	4.984	ug/L	97
47) Tetrachloroethene	8.544	164	32289	5.458	ug/L	98
48) 2-Hexanone	8.676	43	130974	40.939	ug/L #	94
49) Dibromochloromethane	8.798	129	33873	5.497	ug/L	96
50) 1,2-Dibromoethane	8.914	107	27288	4.714	ug/L #	100
51) Chlorobenzene	9.438	112	104719	4.781	ug/L	99
52) Ethylbenzene	9.560	91	184250	4.814	ug/L	98
53) m,p-Xylene	9.685	106	66960	4.958	ug/L	94
54) o-Xylene	10.091	106	66953	4.912	ug/L	99
55) Styrene	10.107	104	107658	4.794	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	33917	4.538	ug/L	99
59) Bromoform	10.280	173	19743	5.028	ug/L	99
60) Isopropylbenzene	10.473	105	184591	4.482	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	24398	3.996	ug/L	96
62) 1,3,5-Trimethylbenzene	11.078	105	153815	4.682	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	151856	4.636	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	81724	4.470	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	79233	4.478	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	76712	4.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	5383	5.166	ug/L	89
69) 1,3,5-Trichlorobenzene	13.209	180	58739	5.400	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	43281	5.191	ug/L	99
71) Naphthalene	14.081	128	58559	4.358	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	37813	5.266	ug/L	99

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

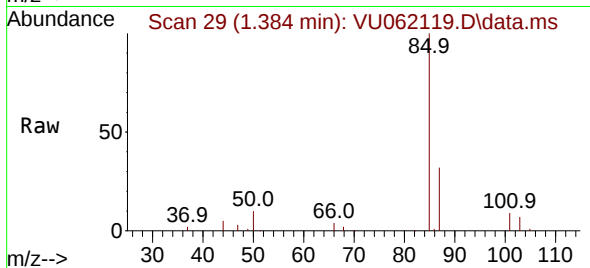
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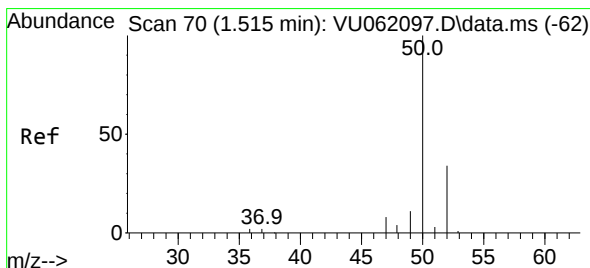
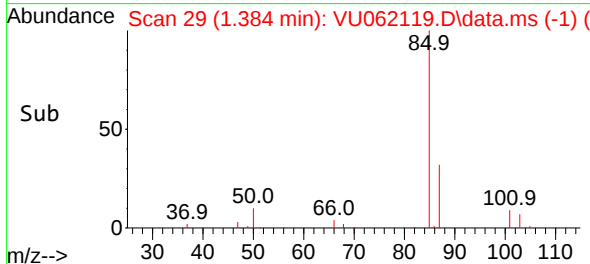
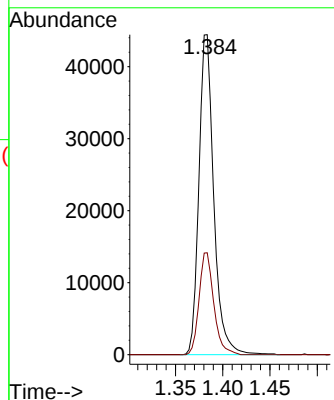


#2
Dichlorodifluoromethane
Concen: 5.233 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Instrument :
MSVOA_U
ClientSampleId :

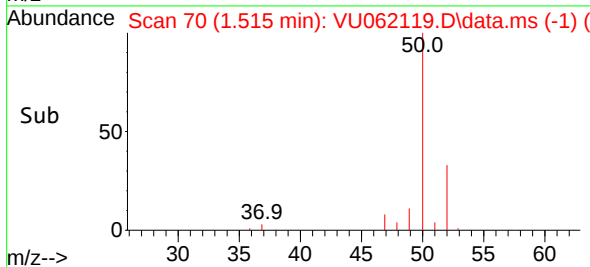
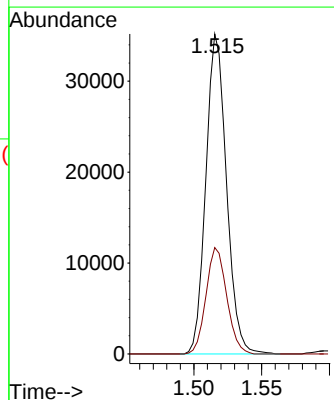
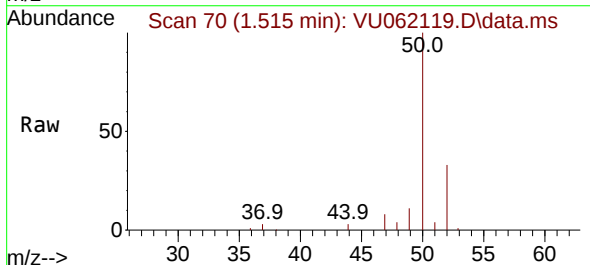


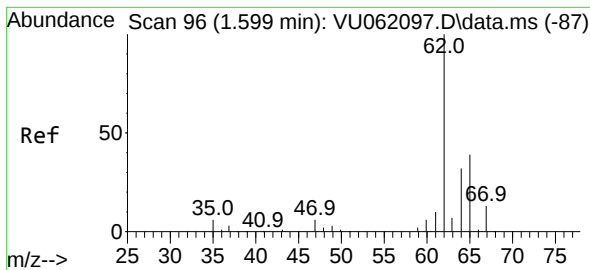
Tgt Ion: 85 Resp: 48565
Ion Ratio Lower Upper
85 100
87 31.6 26.6 40.0



#3
Chloromethane
Concen: 3.893 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 50 Resp: 37233
Ion Ratio Lower Upper
50 100
52 33.3 23.1 42.9





#5

Vinyl chloride

Concen: 4.008 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

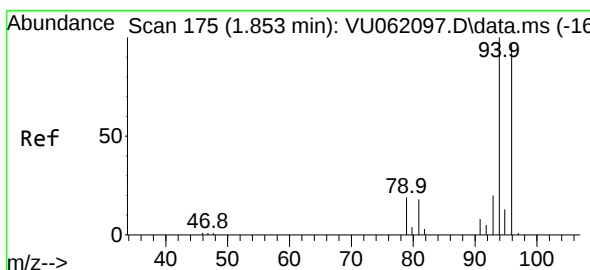
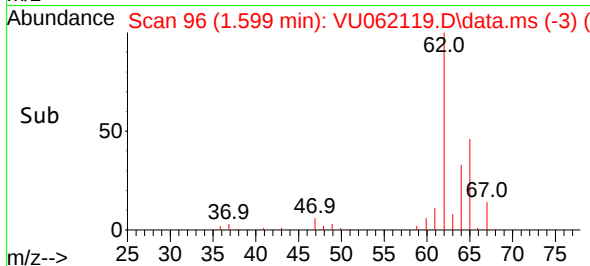
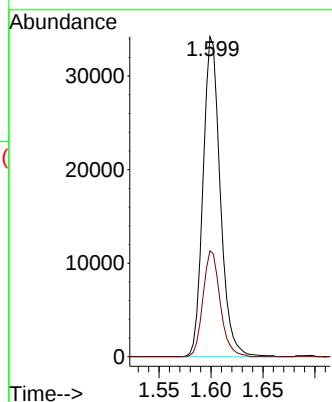
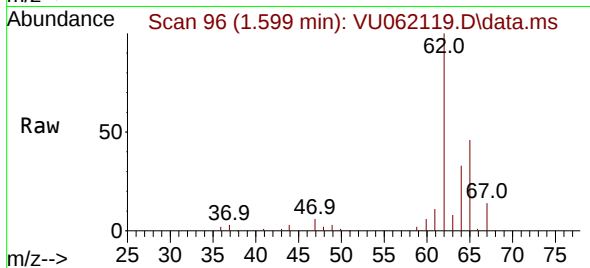
ClientSampleId :

Tgt Ion: 62 Resp: 39389

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



#6

Bromomethane

Concen: 4.413 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU062119.D

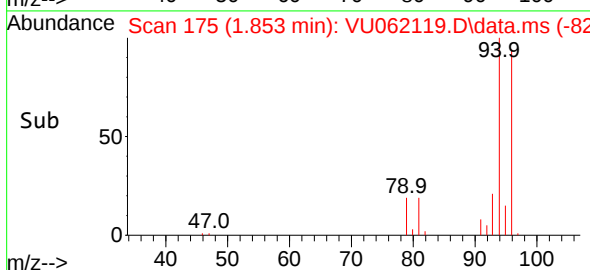
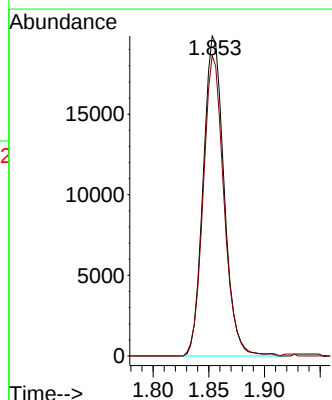
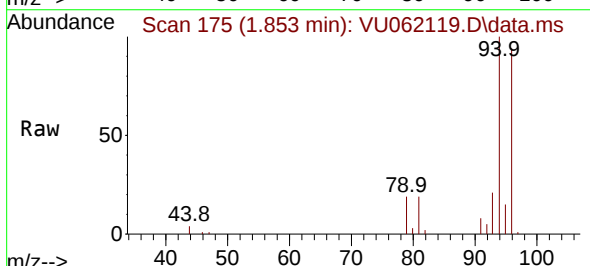
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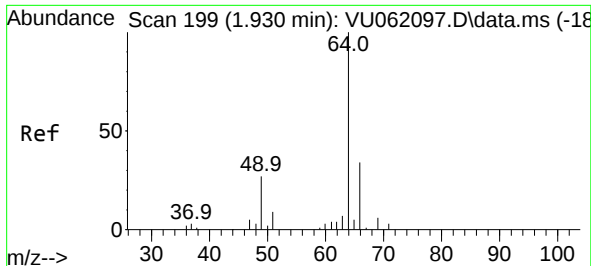
Tgt Ion: 94 Resp: 25814

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.9





#8

Chloroethane

Concen: 3.499 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

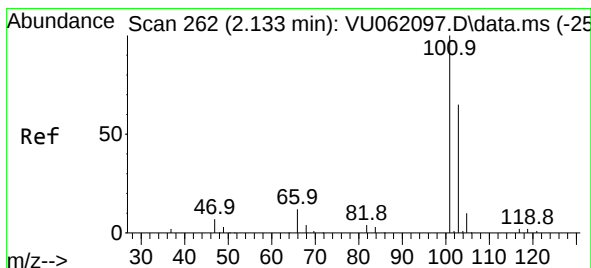
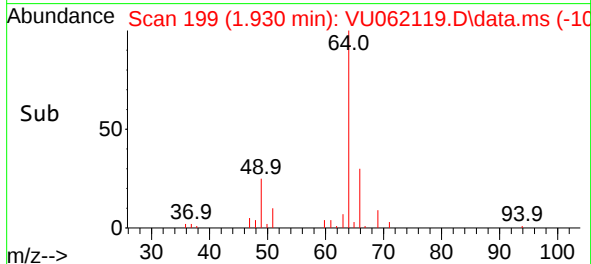
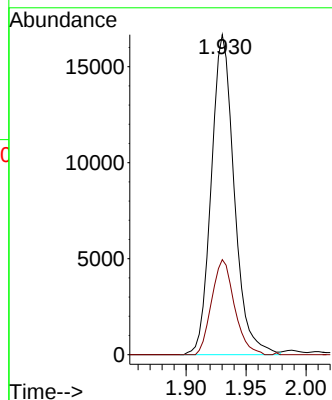
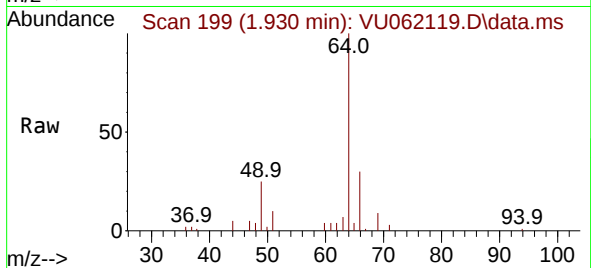
ClientSampleId :

Tgt Ion: 64 Resp: 22173

Ion Ratio Lower Upper

64 100

66 29.7 23.2 43.2



#9

Trichlorofluoromethane

Concen: 5.387 ug/L

RT: 2.133 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU062119.D

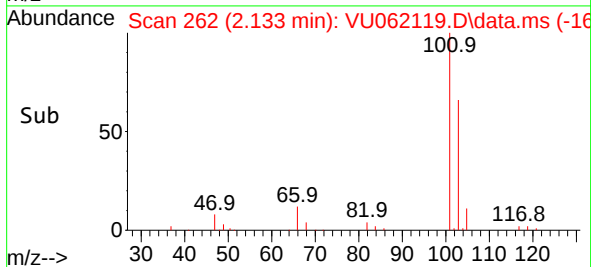
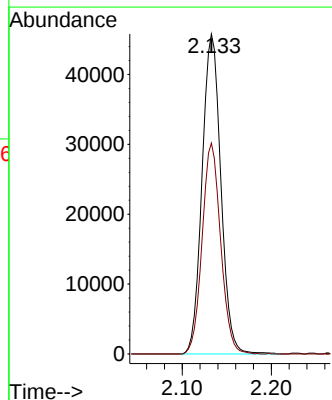
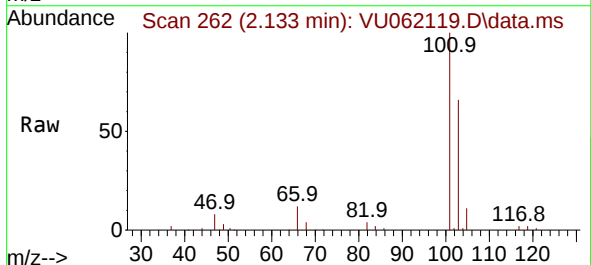
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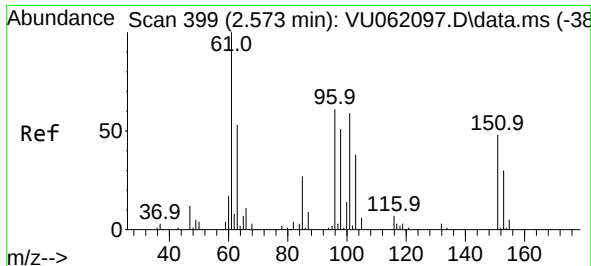
Tgt Ion:101 Resp: 66963

Ion Ratio Lower Upper

101 100

103 64.8 50.6 75.8

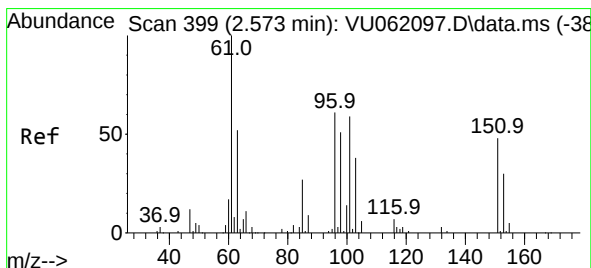
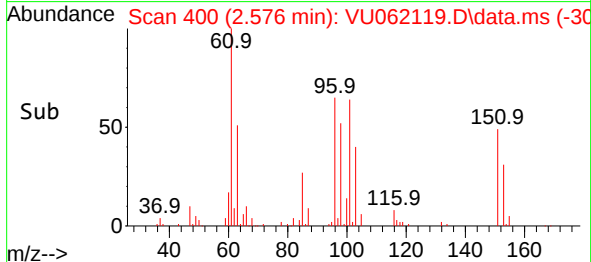
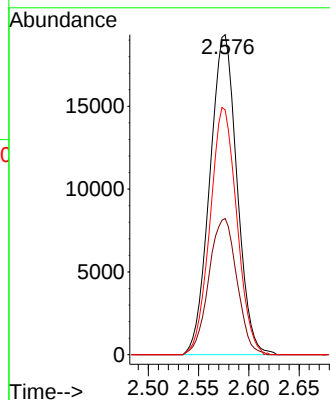
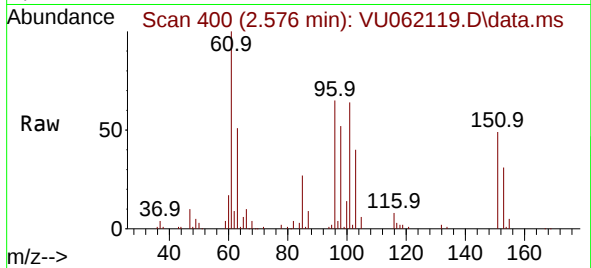




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.750 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

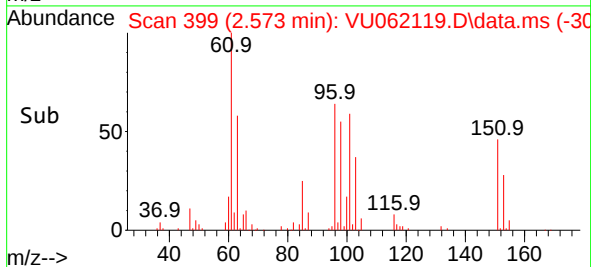
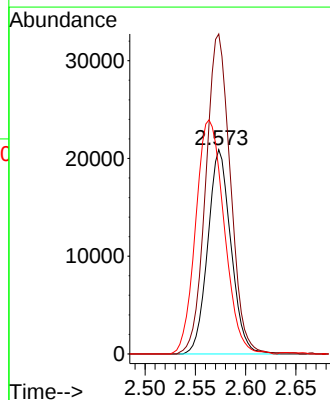
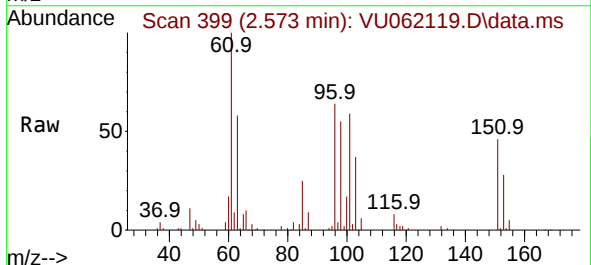
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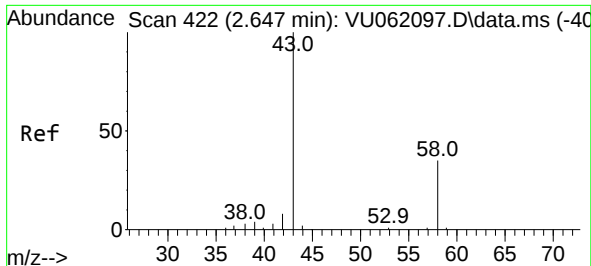
Tgt Ion:101 Resp: 36330
Ion Ratio Lower Upper
101 100
85 43.9 38.0 57.0
151 76.1 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.703 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 96 Resp: 33450
Ion Ratio Lower Upper
96 100
61 156.6 119.6 222.2
63 90.2 65.0 120.6





#13

Acetone

Concen: 43.009 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

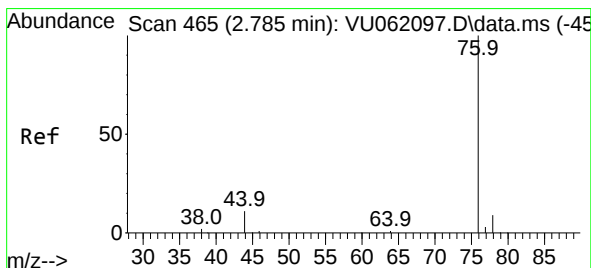
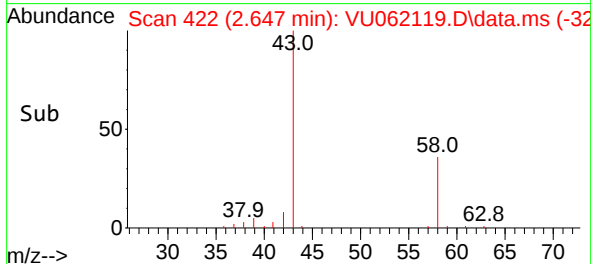
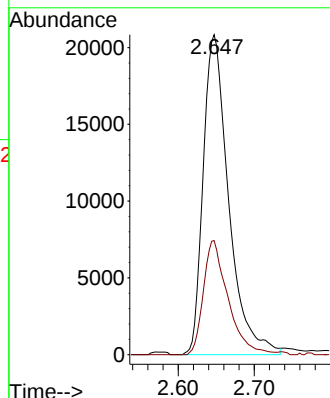
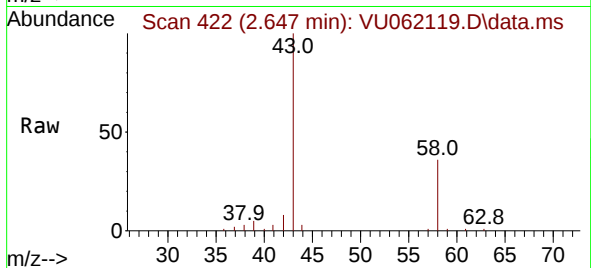
ClientSampleId :

Tgt Ion: 43 Resp: 48515

Ion Ratio Lower Upper

43 100

58 34.5 0.0 64.0



#14

Carbon disulfide

Concen: 4.227 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062119.D

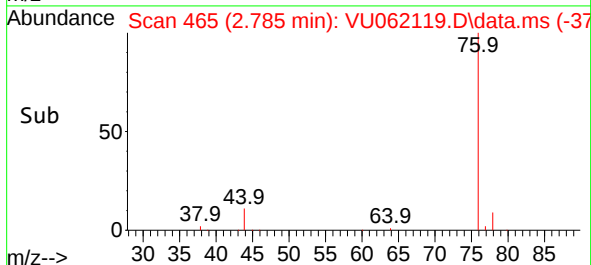
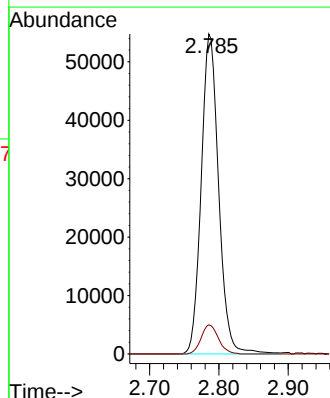
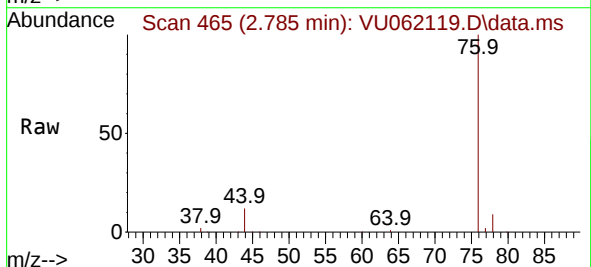
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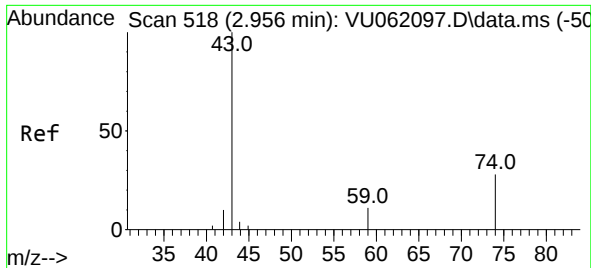
Tgt Ion: 76 Resp: 95652

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

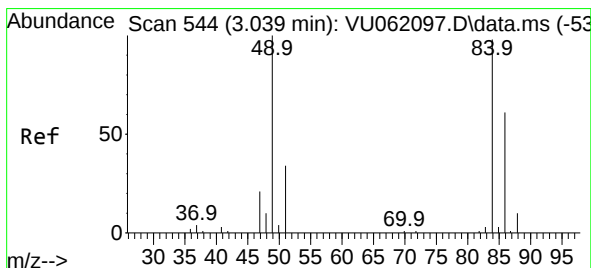
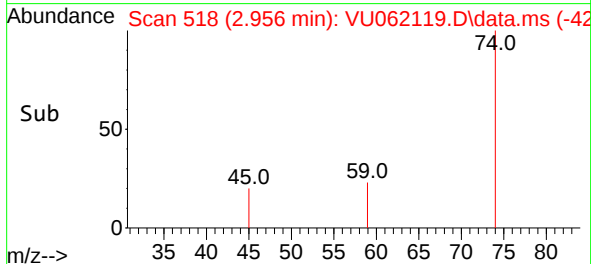
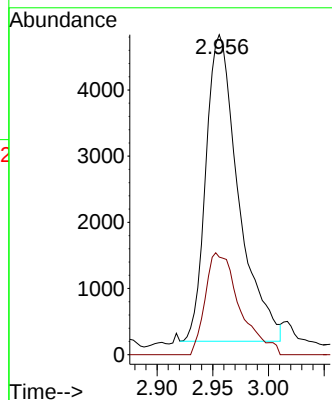
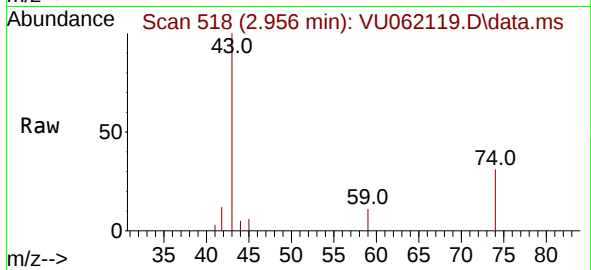




#15
Methyl Acetate
Concen: 3.253 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

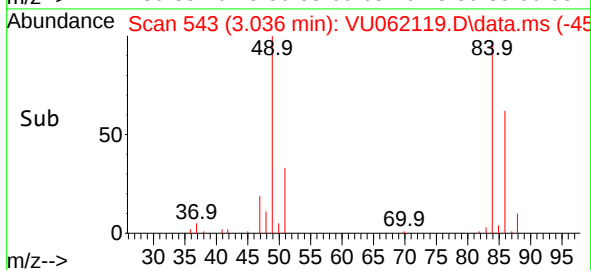
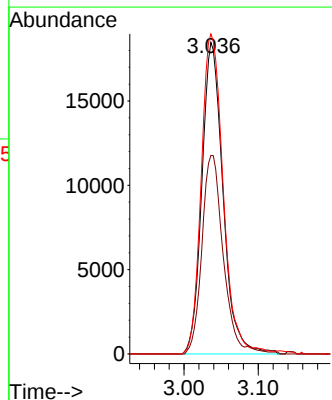
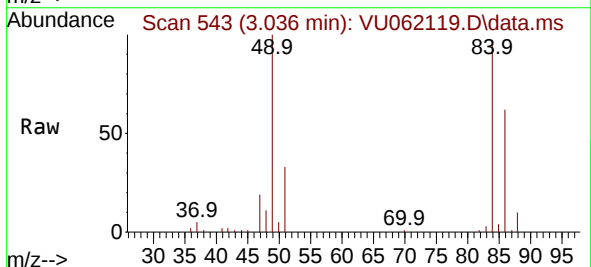
Instrument :
MSVOA_U
ClientSampleId :

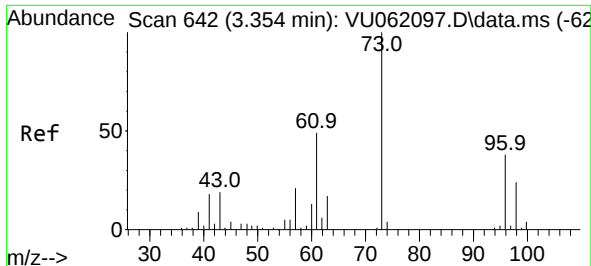
Tgt Ion: 43 Resp: 9422
Ion Ratio Lower Upper
43 100
74 35.1 19.4 29.2#



#16
Methylene chloride
Concen: 4.277 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 84 Resp: 36529
Ion Ratio Lower Upper
84 100
86 63.8 43.5 80.7
49 102.7 81.9 152.1





#17

Methyl tert-butyl Ether

Concen: 4.764 ug/L

RT: 3.355 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :

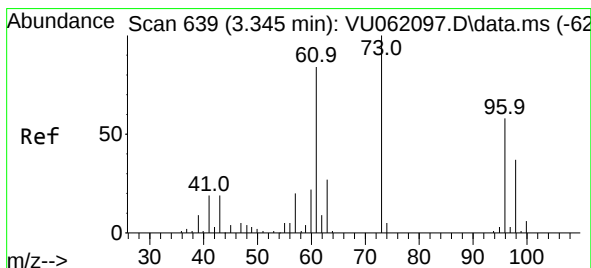
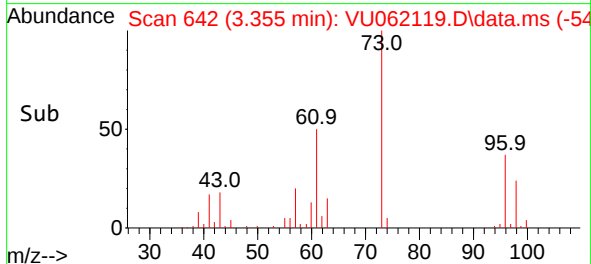
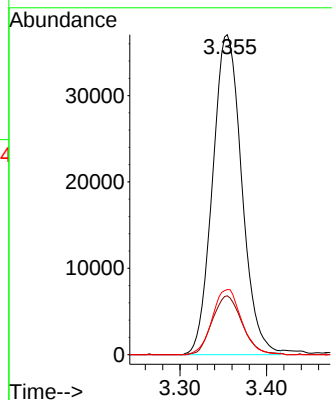
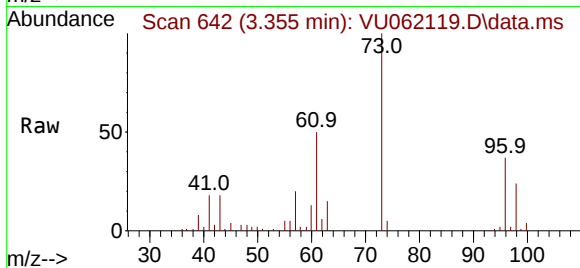
Tgt Ion: 73 Resp: 86860

Ion Ratio Lower Upper

73 100

43 18.8 16.3 24.5

57 20.5 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.634 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

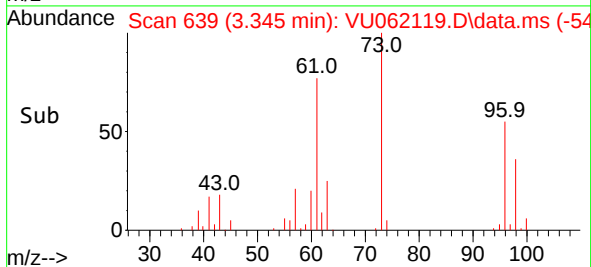
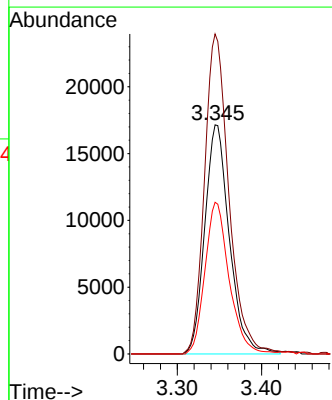
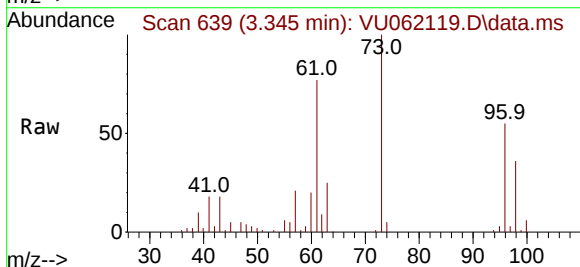
Tgt Ion: 96 Resp: 34844

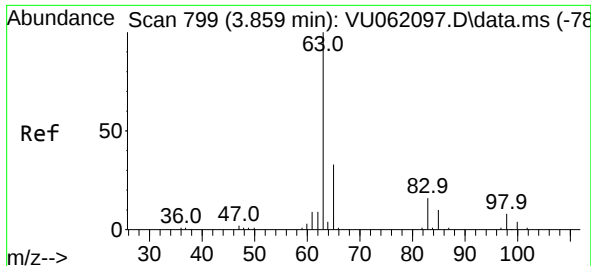
Ion Ratio Lower Upper

96 100

61 139.7 104.2 193.4

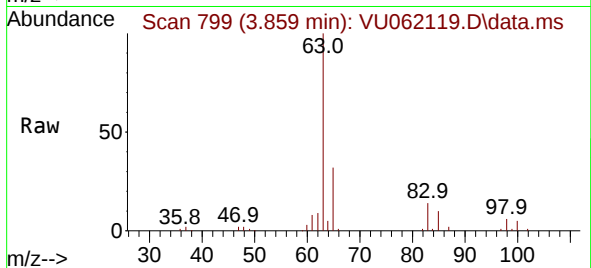
98 66.2 45.7 84.9



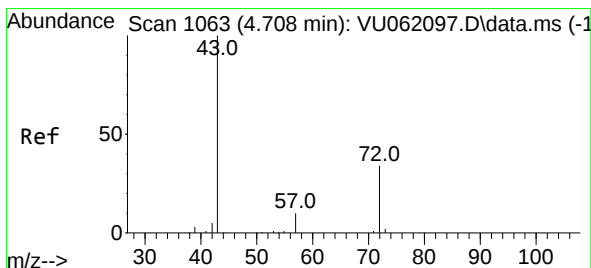
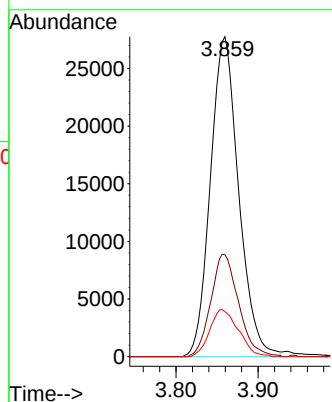
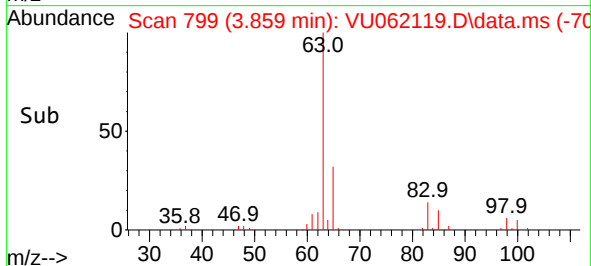


#19
1,1-Dichloroethane
Concen: 4.539 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Instrument :
MSVOA_U
ClientSampleId :

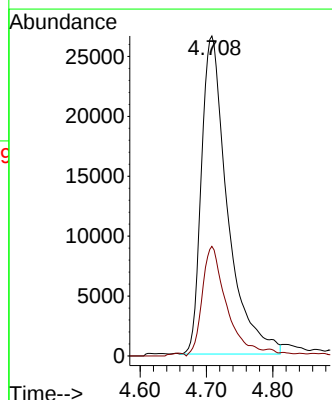
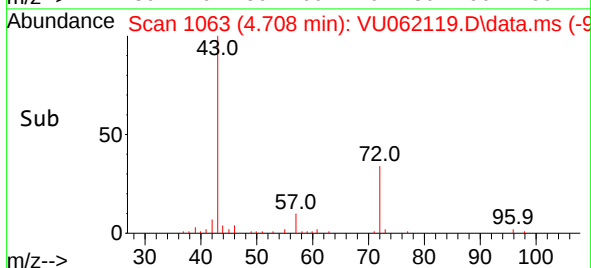
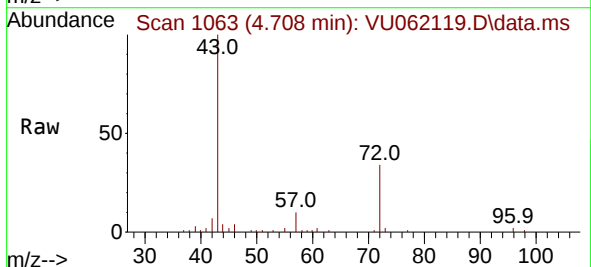


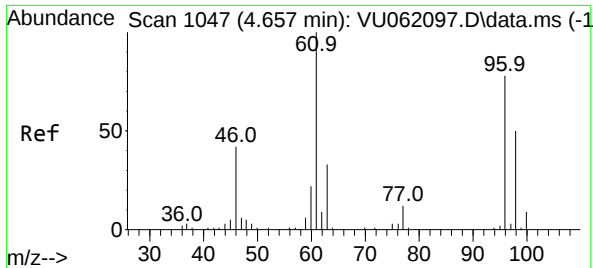
Tgt Ion: 63 Resp: 66494
Ion Ratio Lower Upper
63 100
65 31.9 22.7 42.3
83 14.1 9.9 18.3



#21
2-Butanone
Concen: 39.835 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 43 Resp: 72623
Ion Ratio Lower Upper
43 100
72 31.9 14.8 44.4

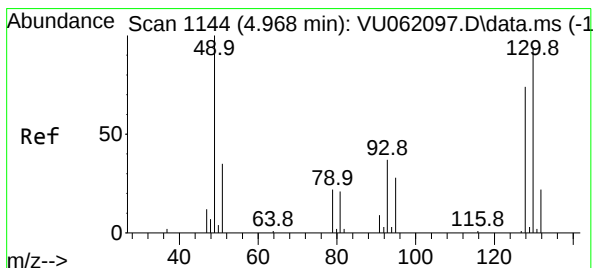
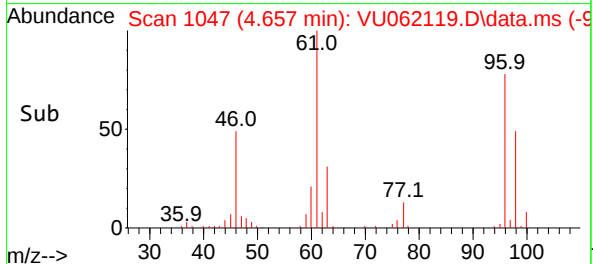
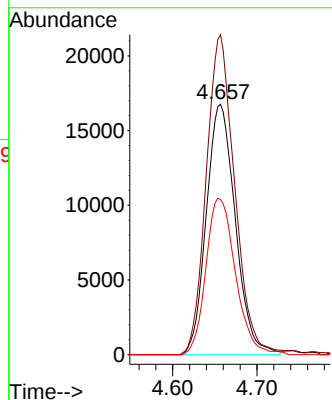
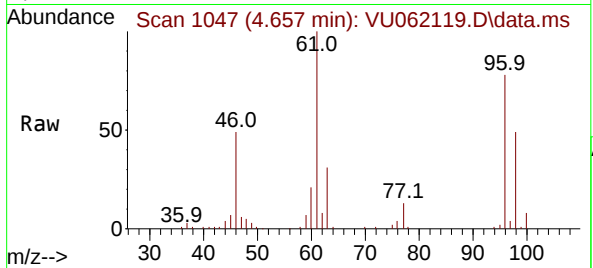




#22
 cis-1,2-Dichloroethene
 Concen: 4.747 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU062119.D
 Acq: 05 Dec 2024 23:40

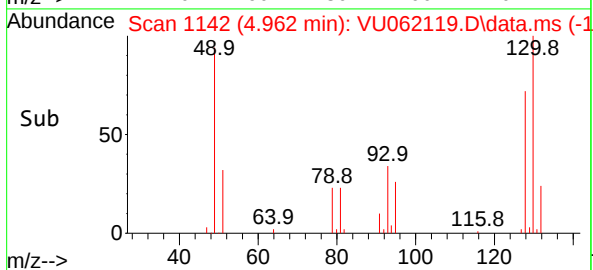
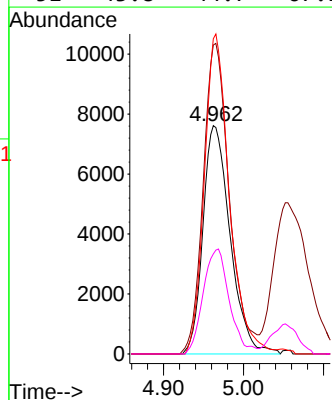
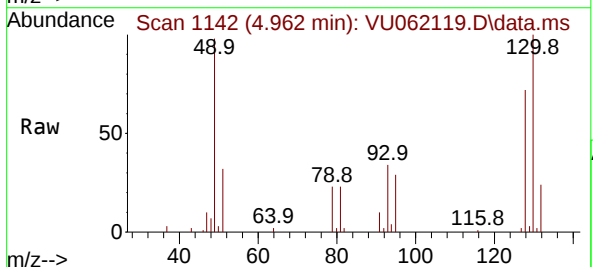
Instrument :
 MSVOA_U
 ClientSampleId :

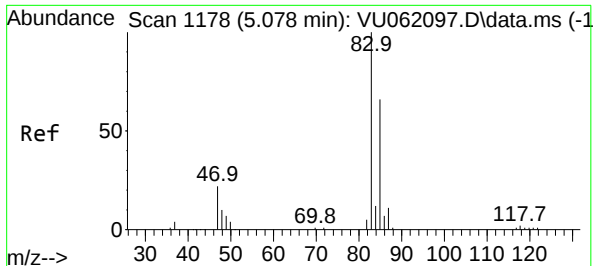
Tgt Ion: 96 Resp: 40168
 Ion Ratio Lower Upper
 96 100
 61 127.8 92.0 170.8
 98 62.0 44.5 82.7



#23
 Bromochloromethane
 Concen: 4.897 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VU062119.D
 Acq: 05 Dec 2024 23:40

Tgt Ion:128 Resp: 18014
 Ion Ratio Lower Upper
 128 100
 49 135.3 115.3 214.1
 130 138.0 92.0 170.8
 51 43.8 44.7 67.1#





#25

Chloroform

Concen: 4.932 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

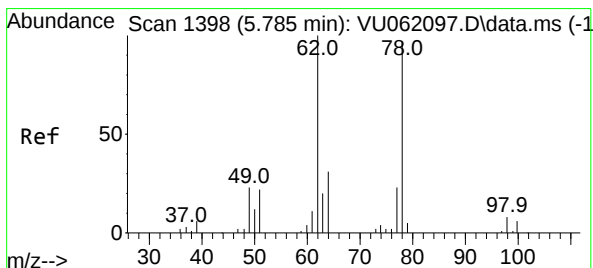
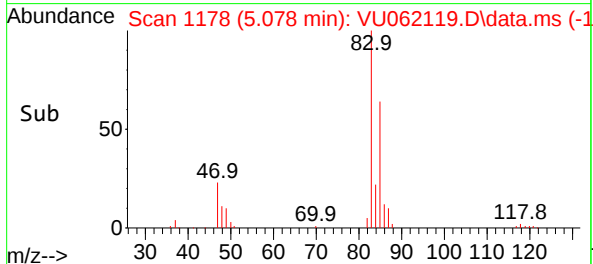
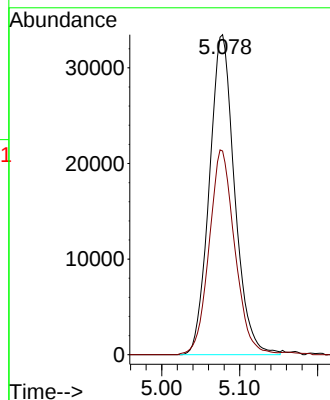
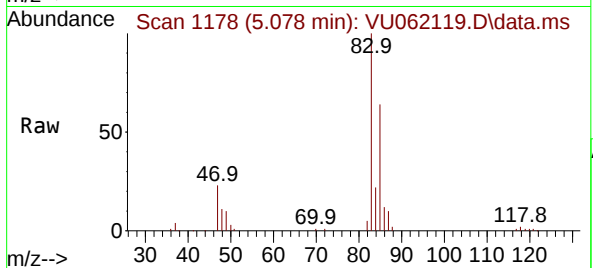
ClientSampleId :

Tgt Ion: 83 Resp: 75510

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.663 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU062119.D

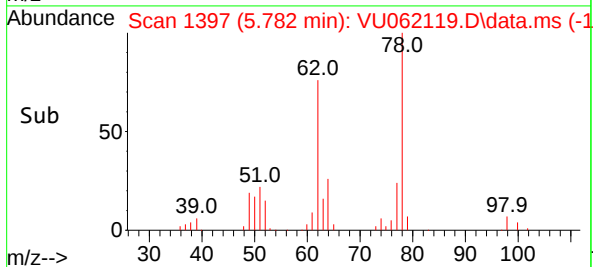
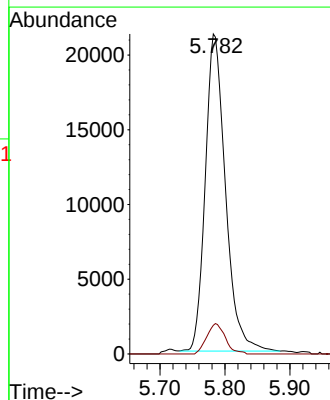
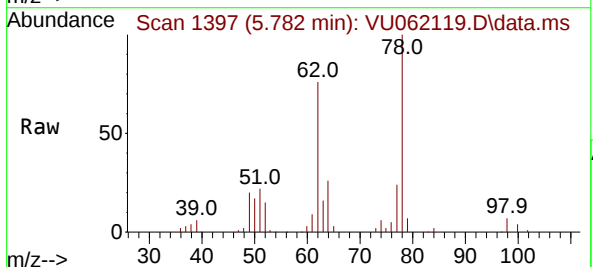
Acq: 05 Dec 2024 23:40

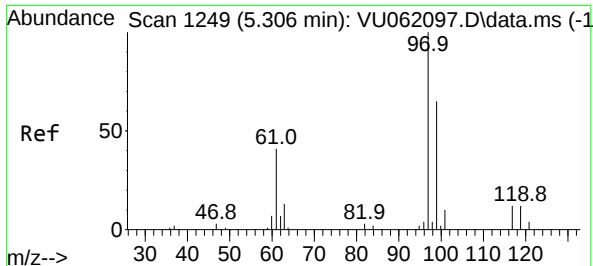
Tgt Ion: 62 Resp: 45925

Ion Ratio Lower Upper

62 100

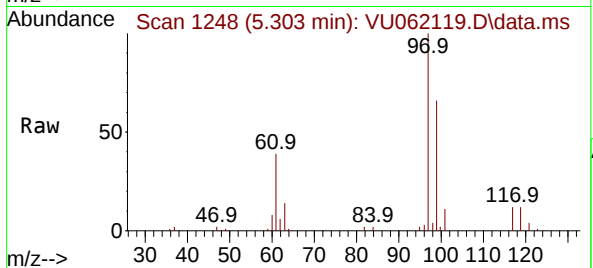
98 8.9 7.4 11.0



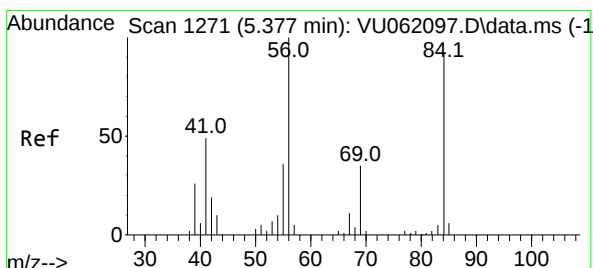
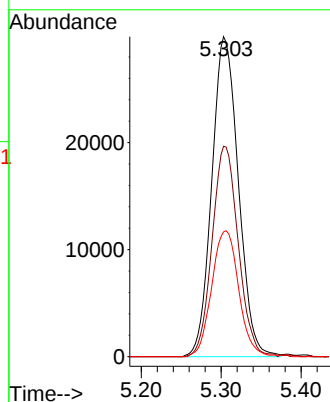
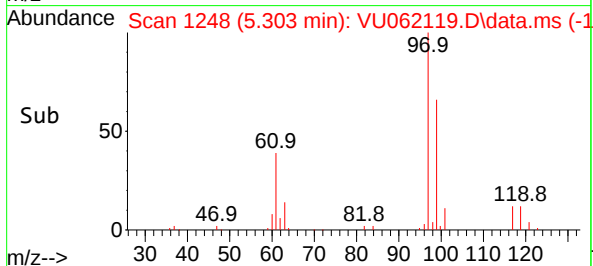


#29
1,1,1-Trichloroethane
Concen: 5.929 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Instrument :
MSVOA_U
ClientSampleId :

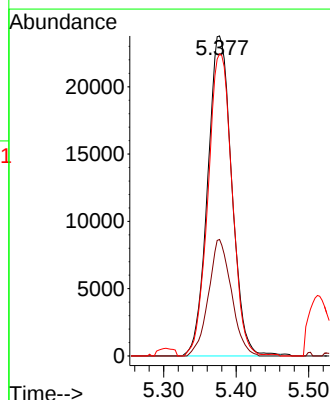
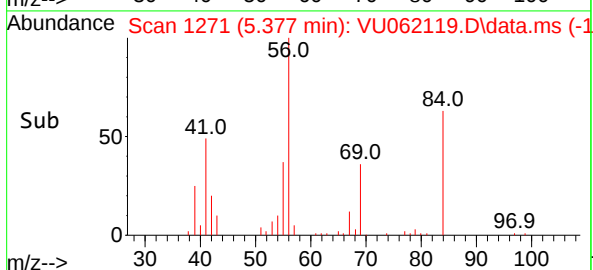
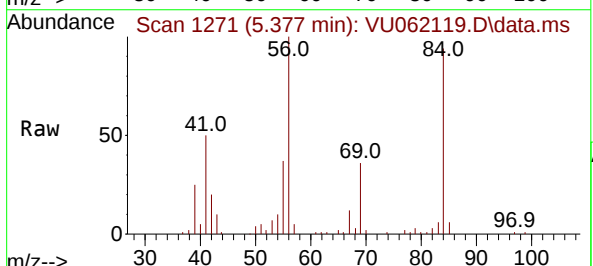


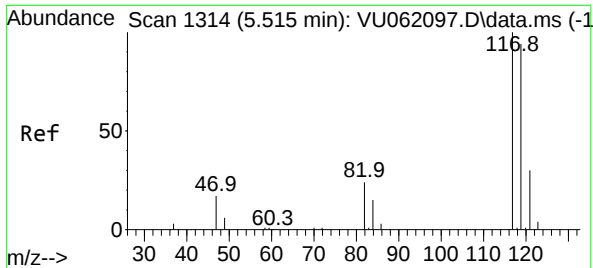
Tgt Ion: 97 Resp: 68962
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 40.0 37.8 56.6



#30
Cyclohexane
Concen: 4.519 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 56 Resp: 54978
Ion Ratio Lower Upper
56 100
69 34.6 25.1 37.7
84 94.1 70.6 105.8

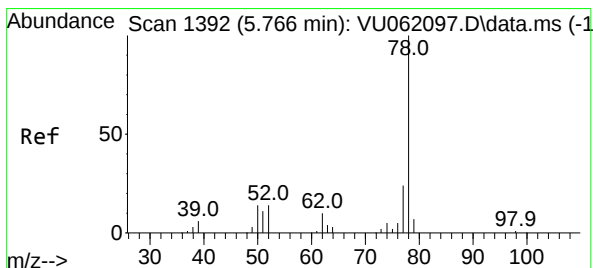
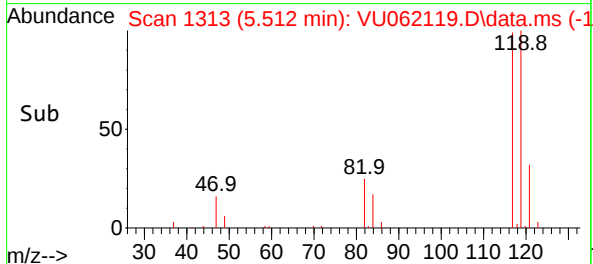
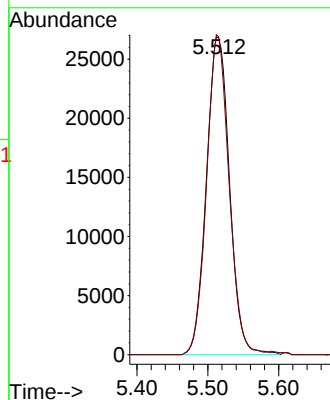
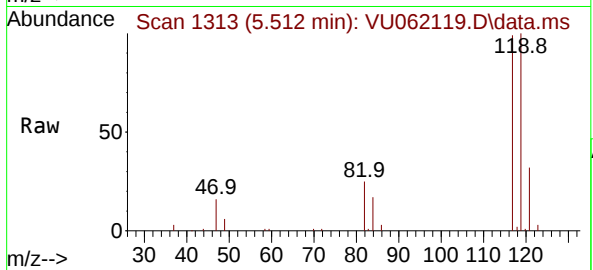




#31
Carbon tetrachloride
Concen: 6.177 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

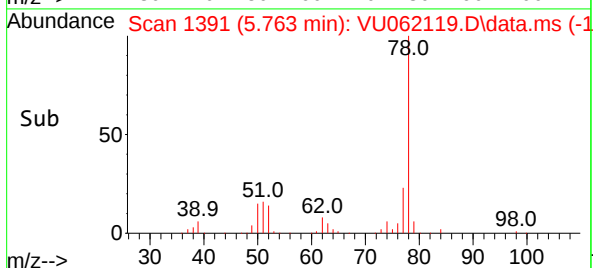
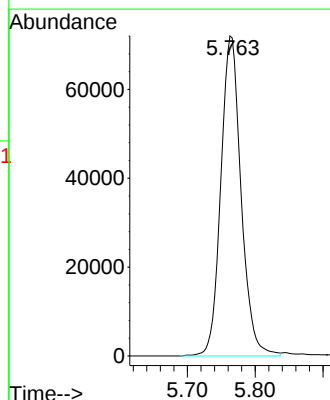
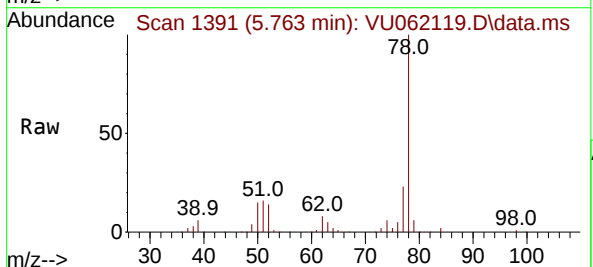
Instrument :
MSVOA_U
ClientSampleId :

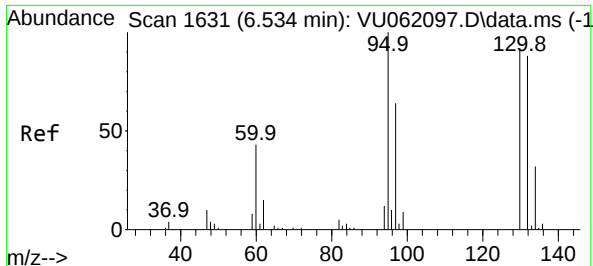
Tgt Ion:117 Resp: 61005
Ion Ratio Lower Upper
117 100
119 97.5 77.5 116.3



#33
Benzene
Concen: 4.911 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 78 Resp: 149672

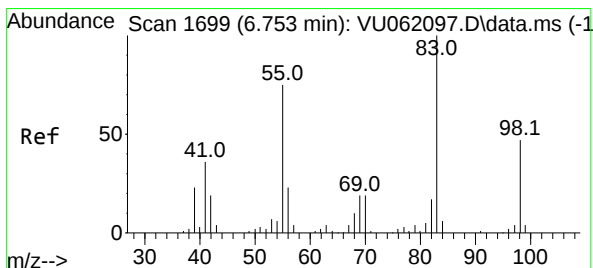
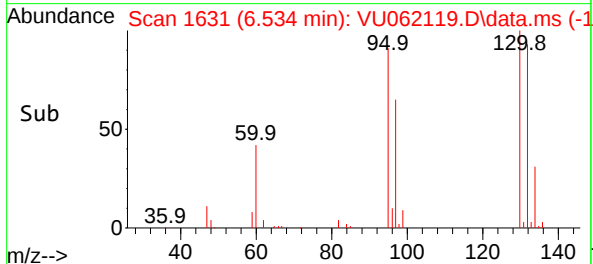
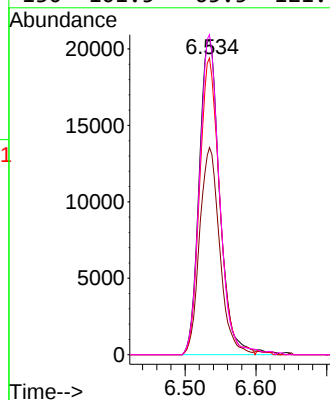
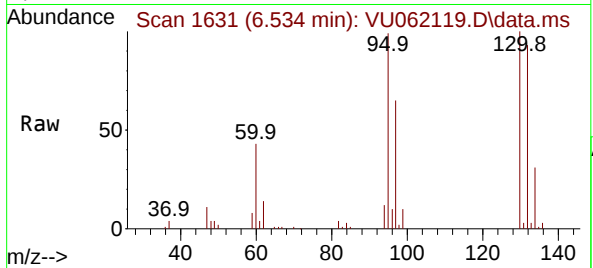




#34
Trichloroethene
Concen: 5.101 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

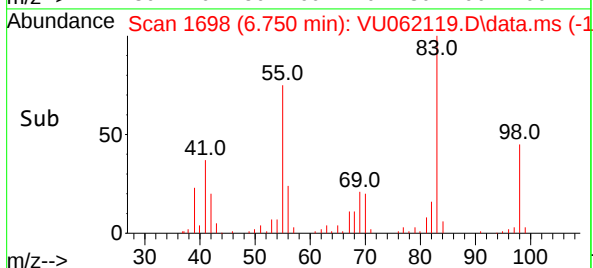
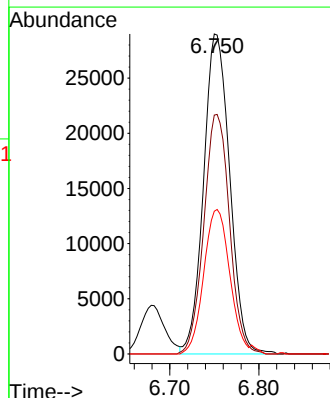
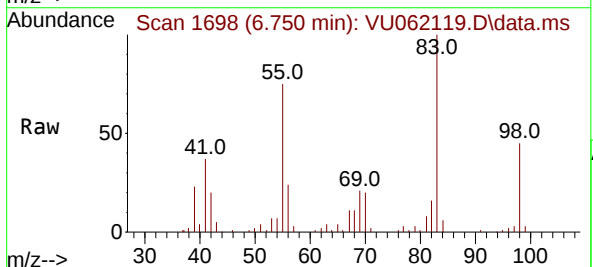
Instrument :
MSVOA_U
ClientSampleId :

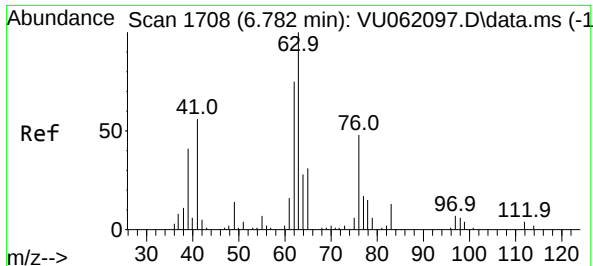
Tgt Ion: 95 Resp: 41490
Ion Ratio Lower Upper
95 100
97 65.7 45.9 85.3
132 94.1 63.8 118.4
130 101.5 65.5 121.7



#35
Methylcyclohexane
Concen: 4.758 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 83 Resp: 59194
Ion Ratio Lower Upper
83 100
55 73.5 60.7 91.1
98 45.5 34.8 52.2





#37

1,2-Dichloropropane

Concen: 4.862 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

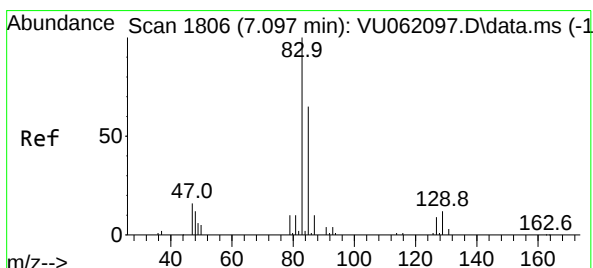
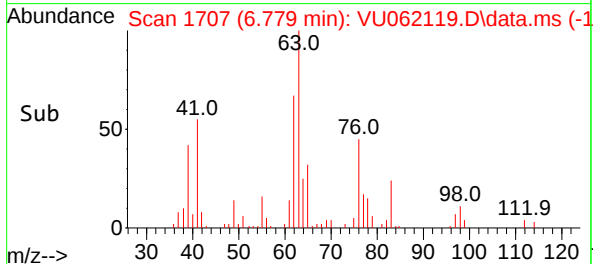
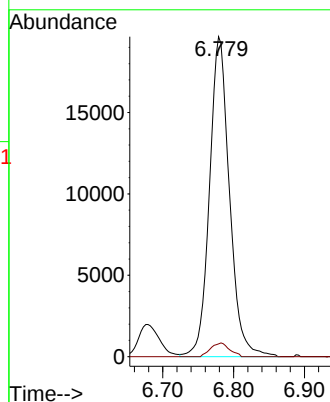
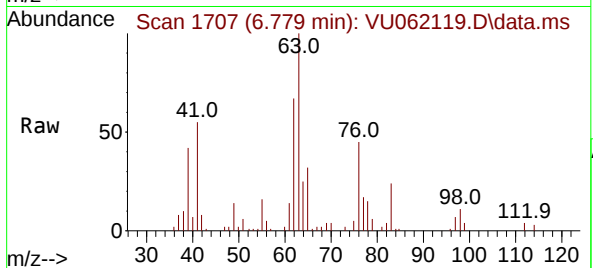
ClientSampleId :

Tgt Ion: 63 Resp: 38496

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 5.446 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

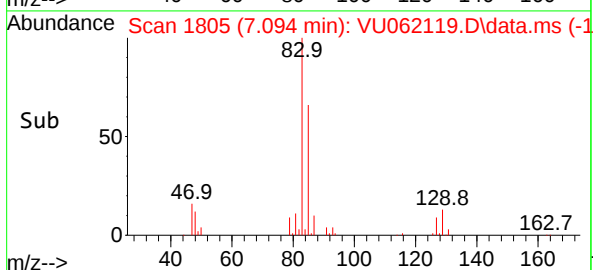
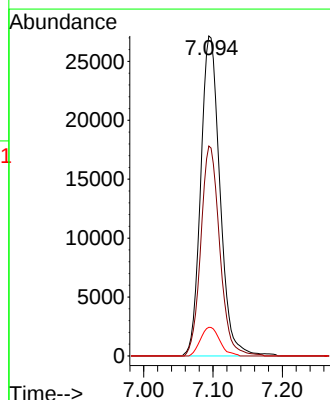
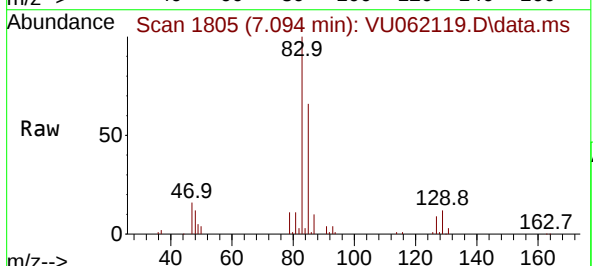
Tgt Ion: 83 Resp: 52295

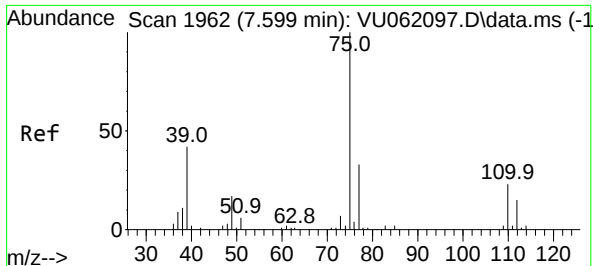
Ion Ratio Lower Upper

83 100

85 65.6 44.1 81.9

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.275 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

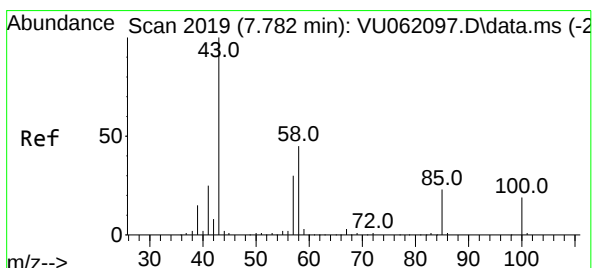
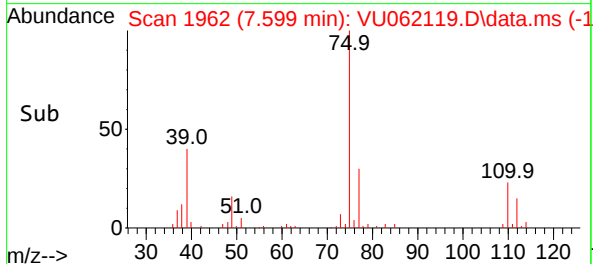
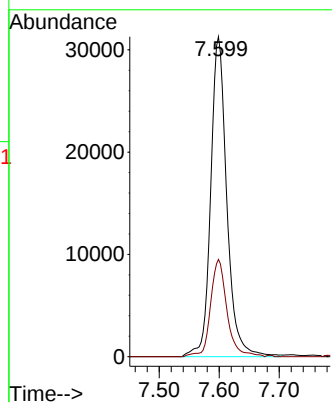
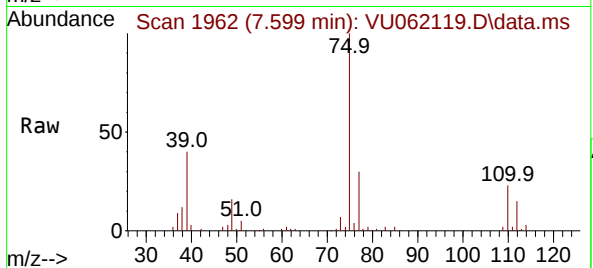
ClientSampleId :

Tgt Ion: 75 Resp: 58557

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 42.978 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

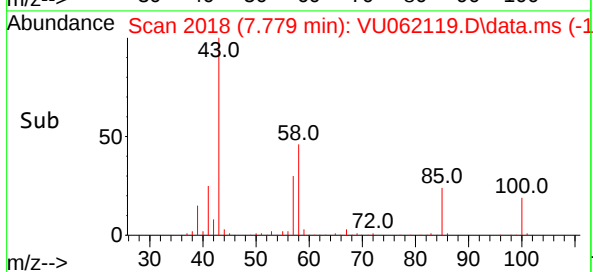
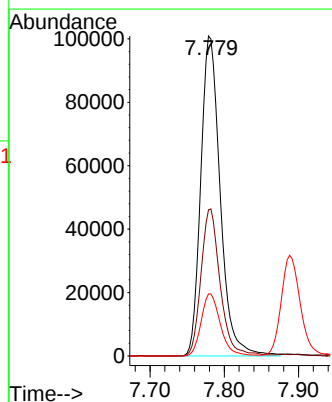
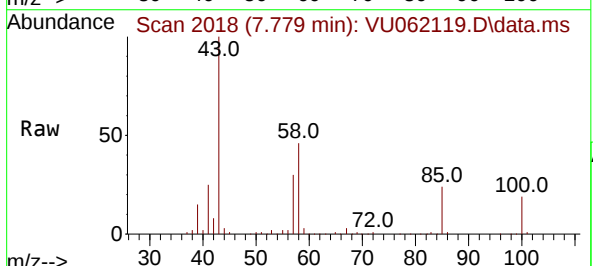
Tgt Ion: 43 Resp: 183596

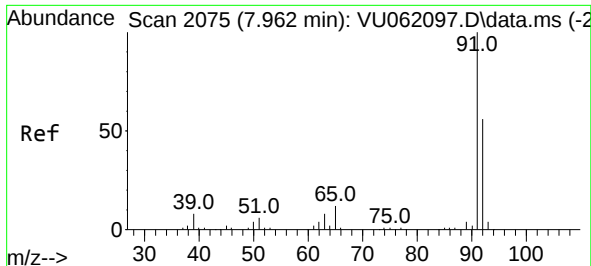
Ion Ratio Lower Upper

43 100

58 45.2 33.3 49.9

100 19.2 12.4 18.6#





#42

Toluene

Concen: 5.158 ug/L

RT: 7.959 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

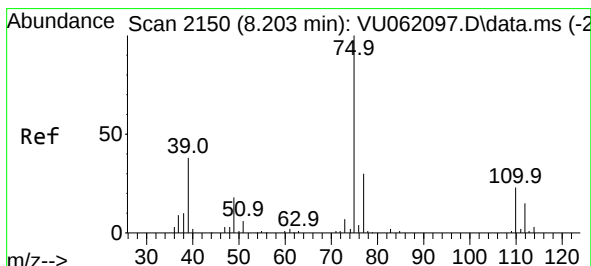
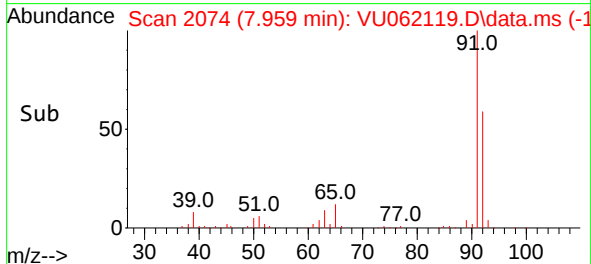
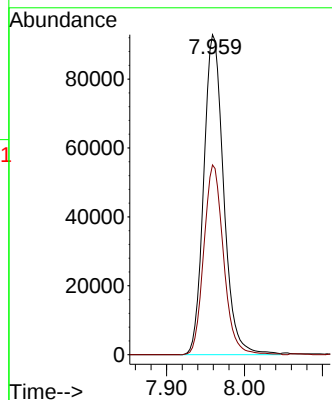
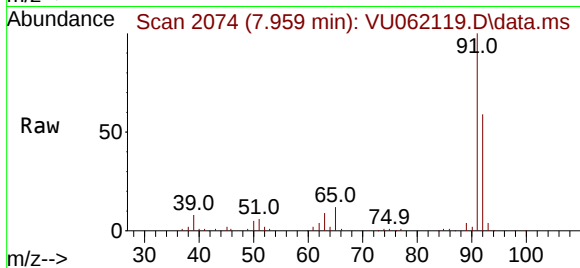
ClientSampleId :

Tgt Ion: 91 Resp: 164964

Ion Ratio Lower Upper

91 100

92 59.3 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.282 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU062119.D

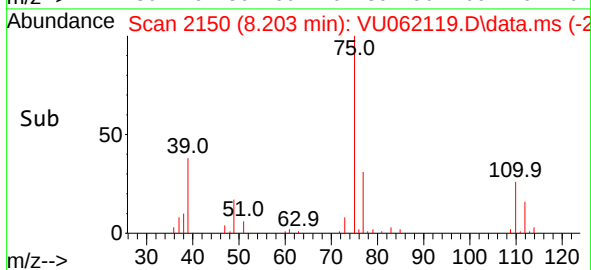
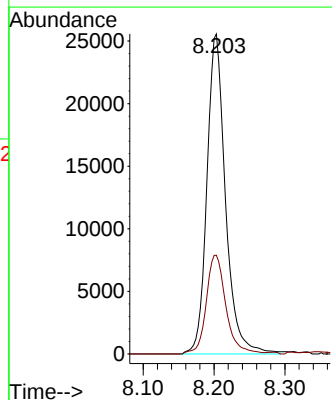
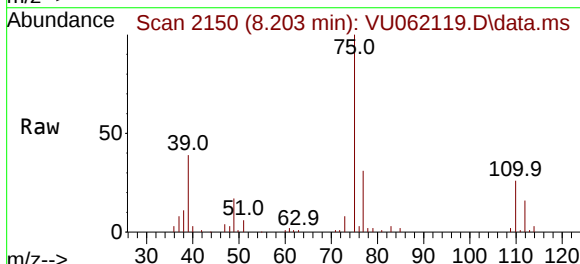
Acq: 05 Dec 2024 23:40

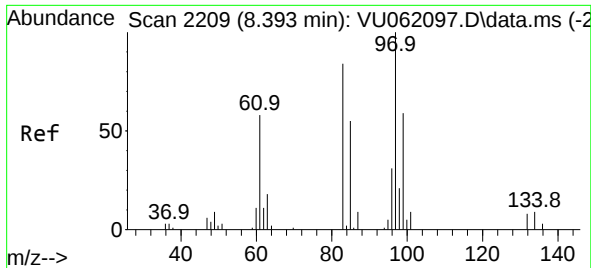
Tgt Ion: 75 Resp: 46567

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4

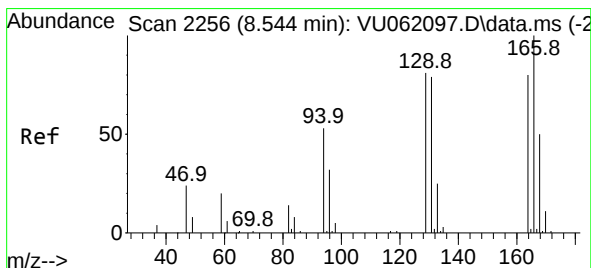
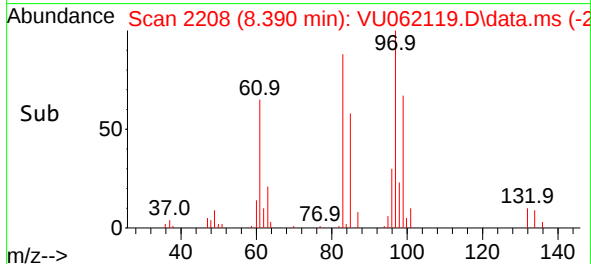
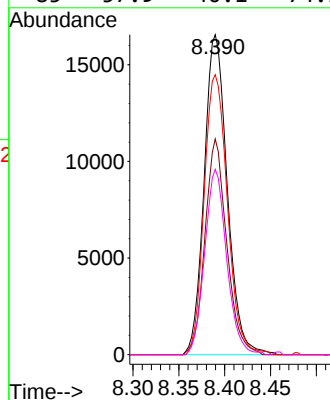
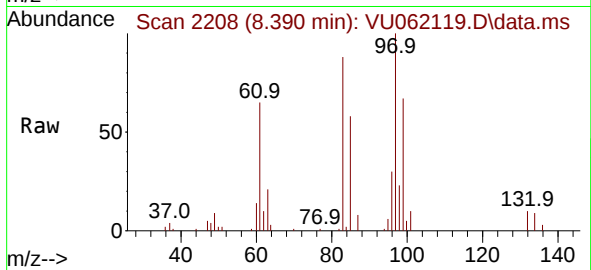




#45
1,1,2-Trichloroethane
Concen: 4.984 ug/L
RT: 8.390 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

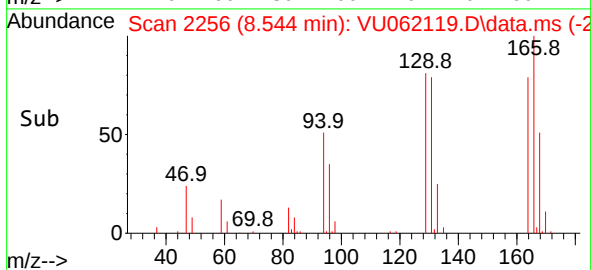
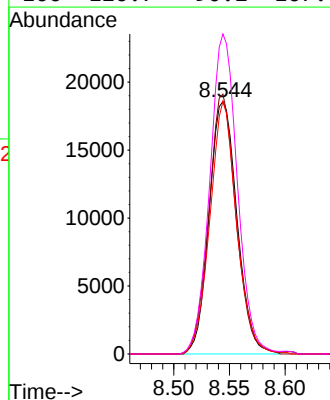
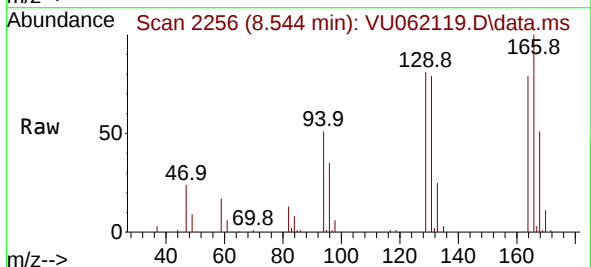
Instrument :
MSVOA_U
ClientSampleId :

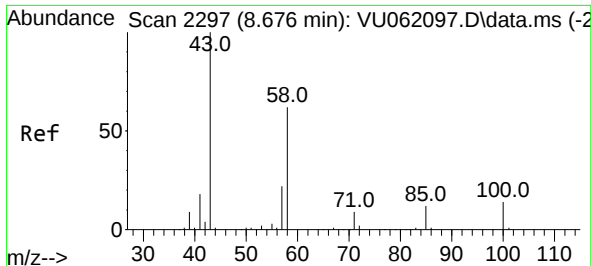
Tgt Ion: 97 Resp: 29073
Ion Ratio Lower Upper
97 100
99 67.4 43.0 79.8
83 87.5 61.7 114.5
85 57.9 40.1 74.5



#47
Tetrachloroethene
Concen: 5.458 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion:164 Resp: 32289
Ion Ratio Lower Upper
164 100
129 102.9 73.2 136.0
131 100.1 72.3 134.3
166 126.7 90.2 167.4



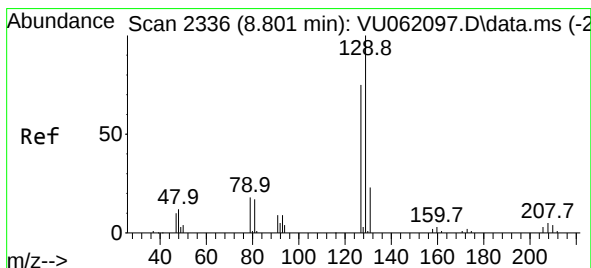
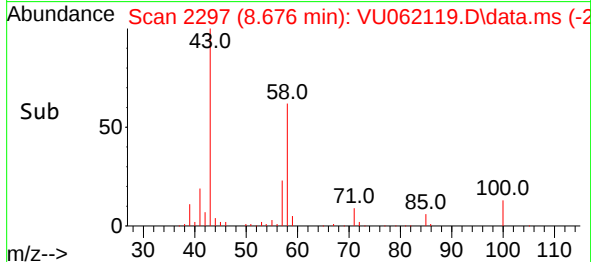
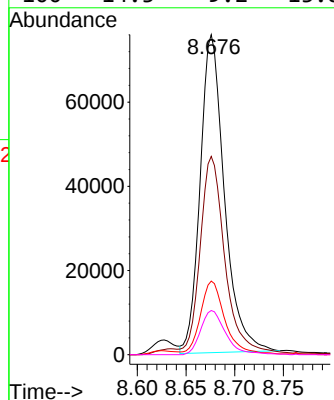
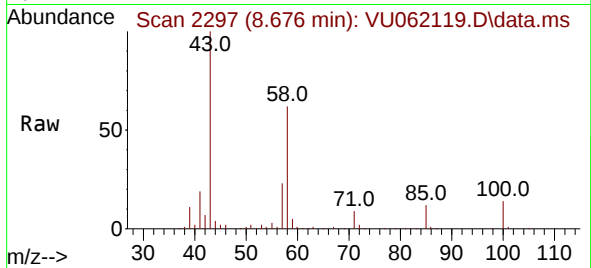


#48
2-Hexanone
Concen: 40.939 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 130974

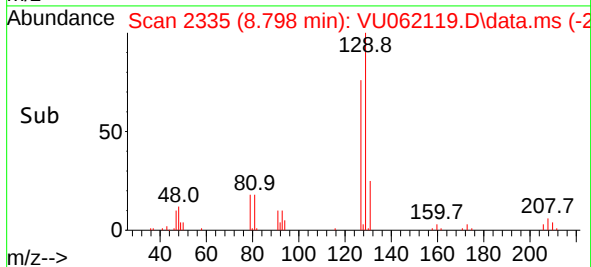
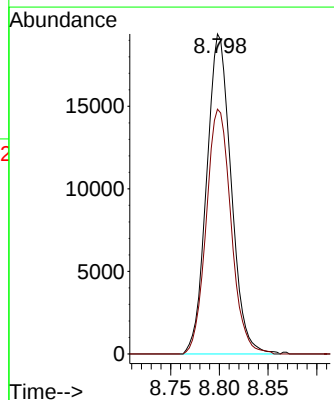
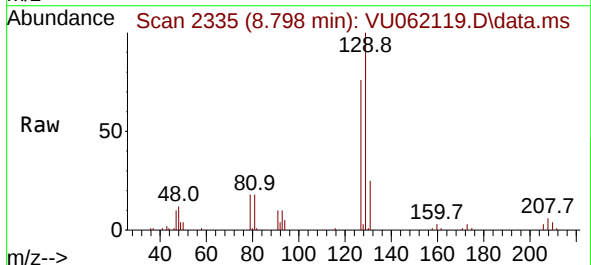
Ion	Ratio	Lower	Upper
43	100		
58	63.2	47.5	71.3
57	23.0	15.6	23.4
100	14.3	9.2	13.8

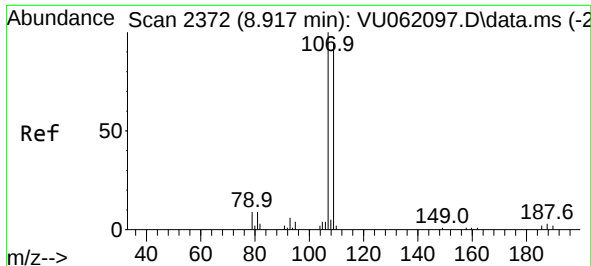


#49
Dibromochloromethane
Concen: 5.497 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion: 129 Resp: 33873

Ion	Ratio	Lower	Upper
129	100		
127	76.5	51.1	94.9





#50

1,2-Dibromoethane

Concen: 4.714 ug/L

RT: 8.914 min Scan# 21

Delta R.T. -0.003 min

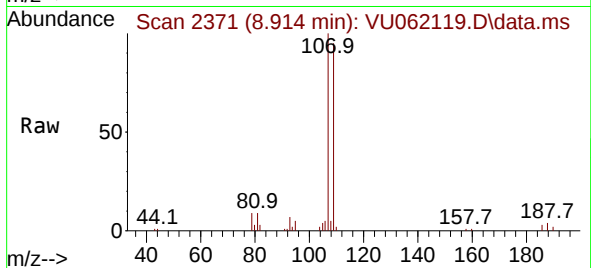
Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :



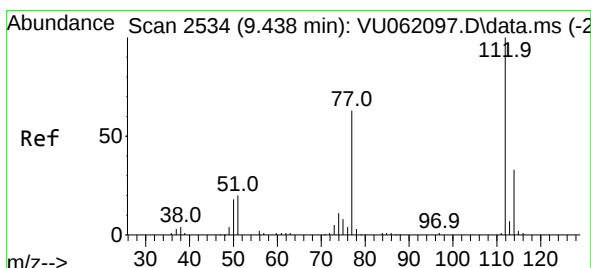
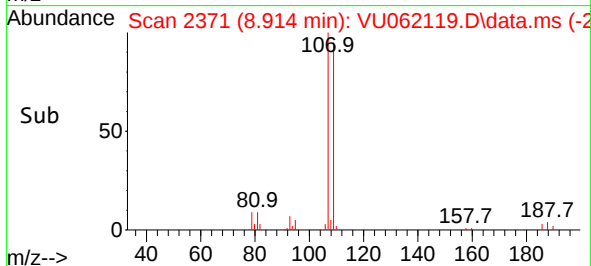
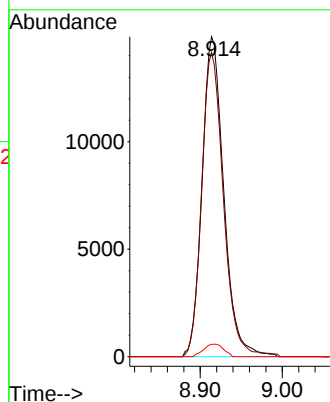
Tgt Ion:107 Resp: 27288

Ion Ratio Lower Upper

107 100

109 95.1 66.8 124.2

188 3.9 2.3 3.5#



#51

Chlorobenzene

Concen: 4.781 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

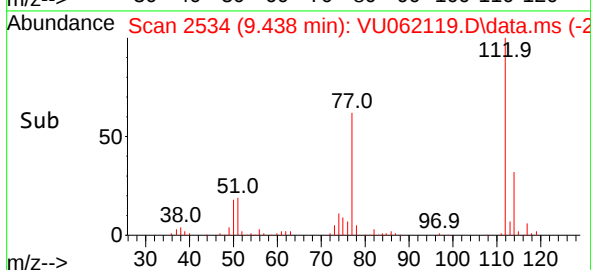
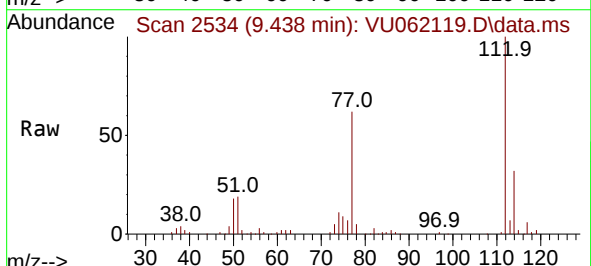
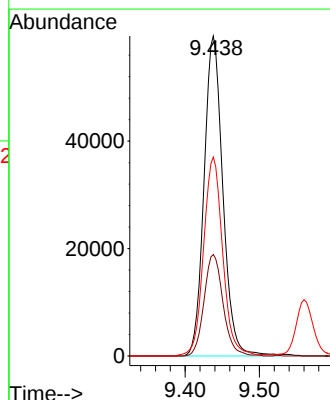
Tgt Ion:112 Resp: 104719

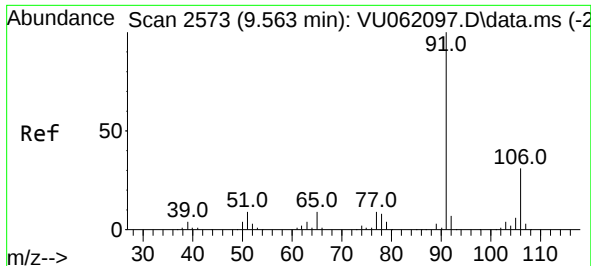
Ion Ratio Lower Upper

112 100

114 31.7 23.0 42.6

77 62.2 50.5 75.7

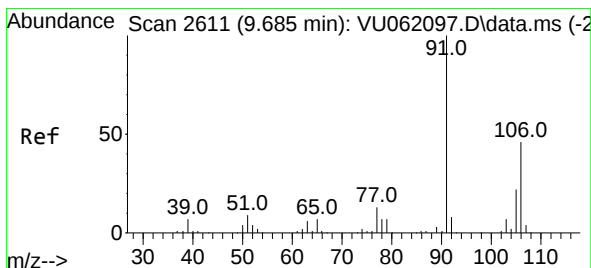
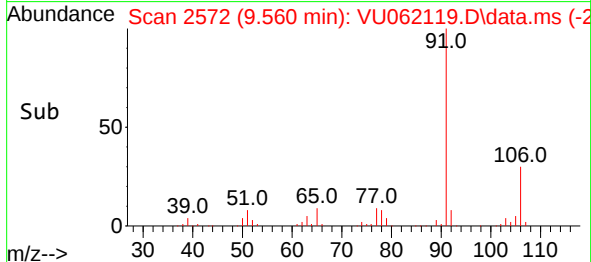
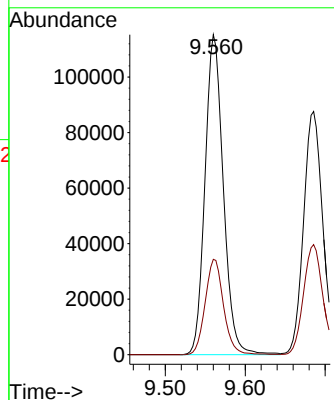
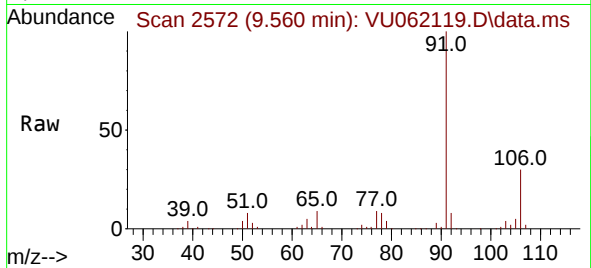




#52
Ethylbenzene
Concen: 4.814 ug/L
RT: 9.560 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

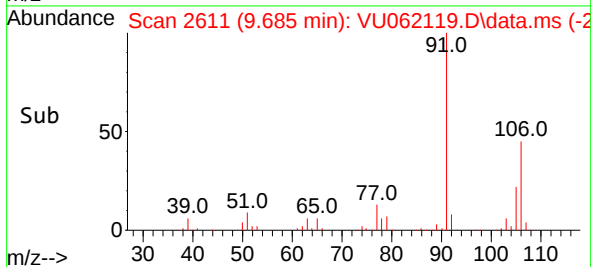
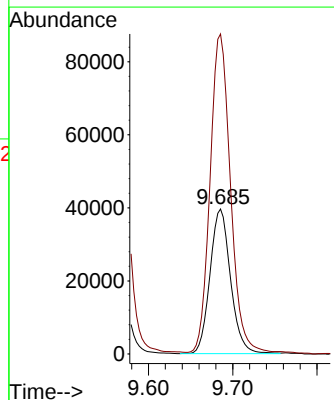
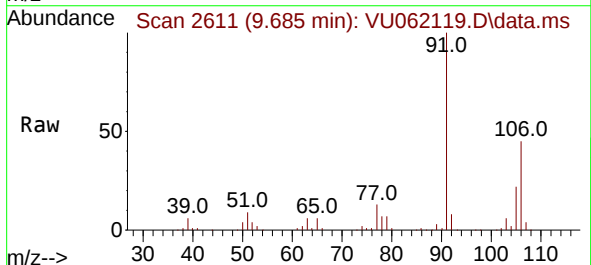
Instrument :
MSVOA_U
ClientSampleId :

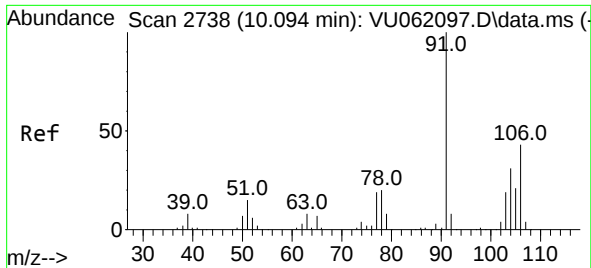
Tgt Ion: 91 Resp: 184250
Ion Ratio Lower Upper
91 100
106 29.8 21.6 40.0



#53
m,p-Xylene
Concen: 4.958 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion:106 Resp: 66960
Ion Ratio Lower Upper
106 100
91 220.9 147.6 274.0

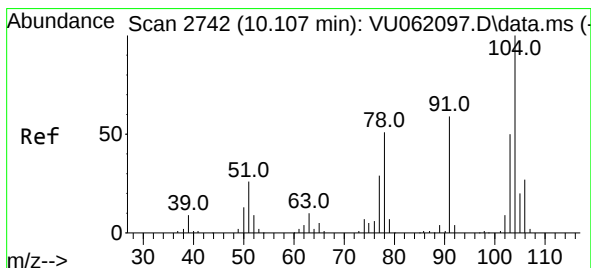
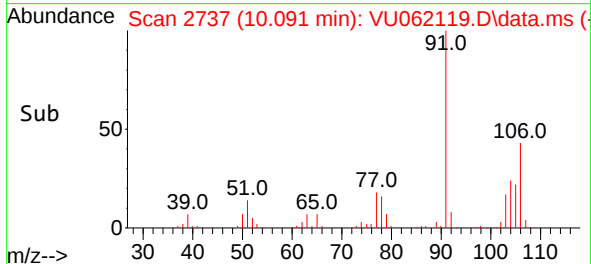
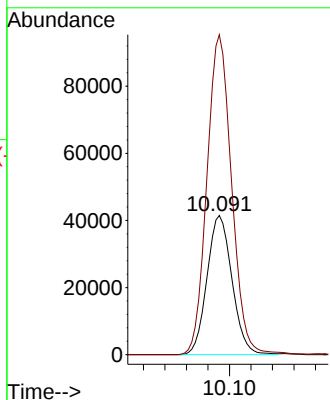
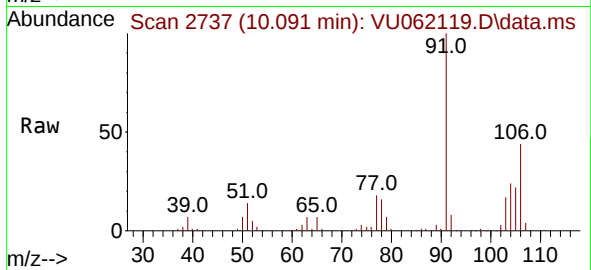




#54
o-Xylene
Concen: 4.912 ug/L
RT: 10.091 min Scan# 2737
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

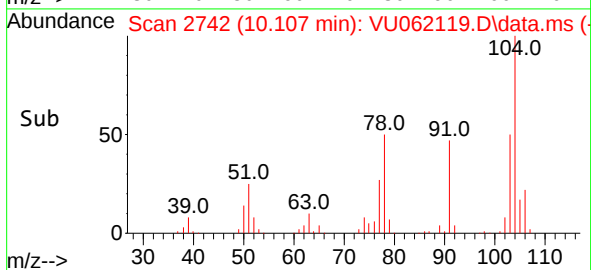
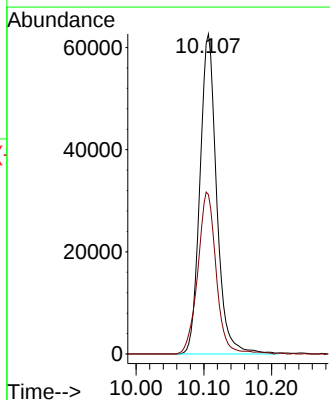
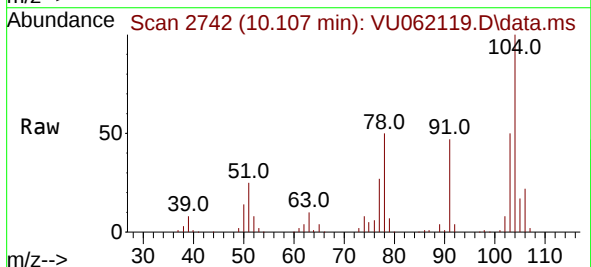
Instrument :
MSVOA_U
ClientSampleId :

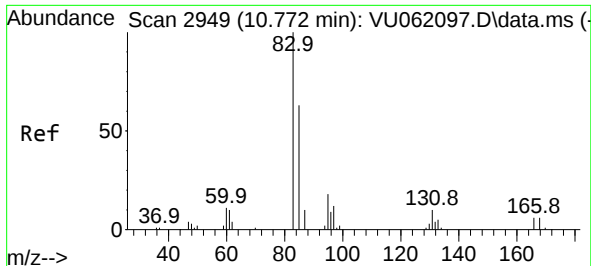
Tgt Ion:106 Resp: 66953
Ion Ratio Lower Upper
106 100
91 229.8 159.8 296.8



#55
Styrene
Concen: 4.794 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion:104 Resp: 107658
Ion Ratio Lower Upper
104 100
78 49.8 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.538 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :

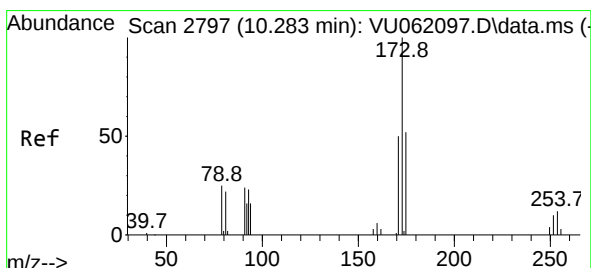
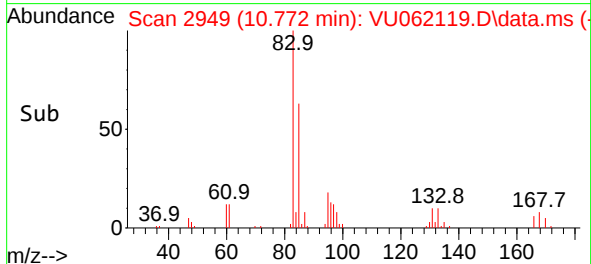
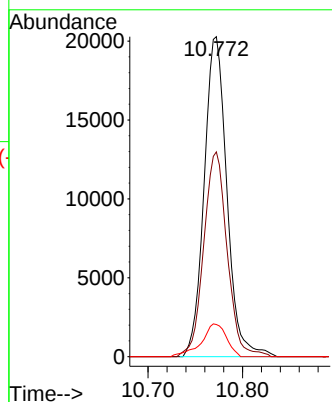
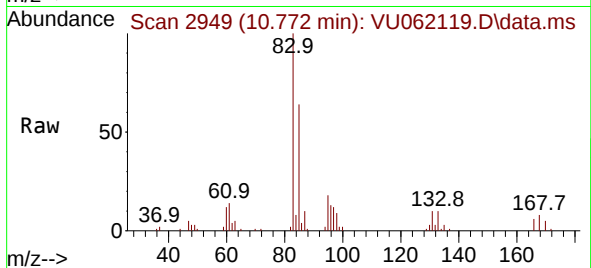
Tgt Ion: 83 Resp: 33917

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.4

131 10.0 7.3 10.9



#59

Bromoform

Concen: 5.028 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

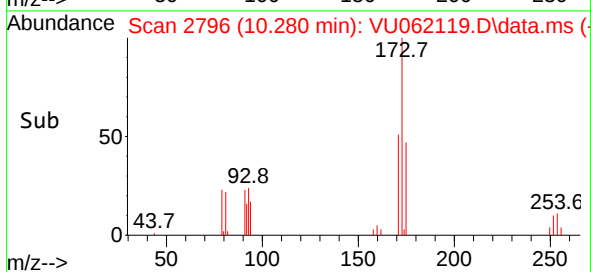
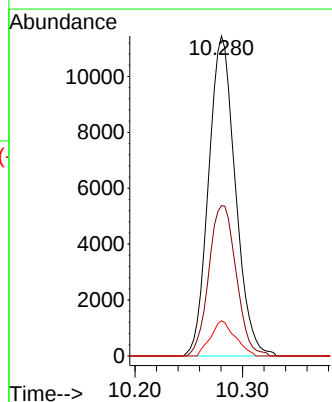
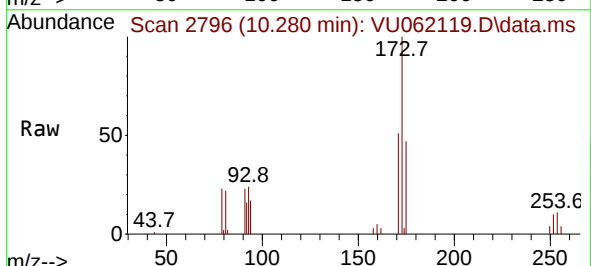
Tgt Ion:173 Resp: 19743

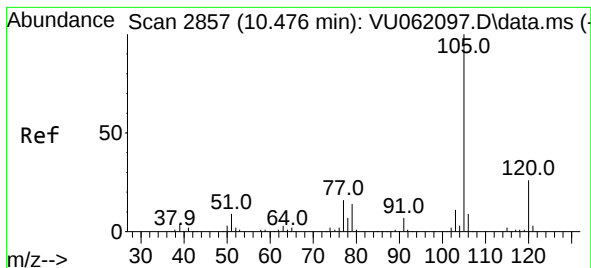
Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 10.0 7.4 11.0





#60

Isopropylbenzene

Concen: 4.482 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :

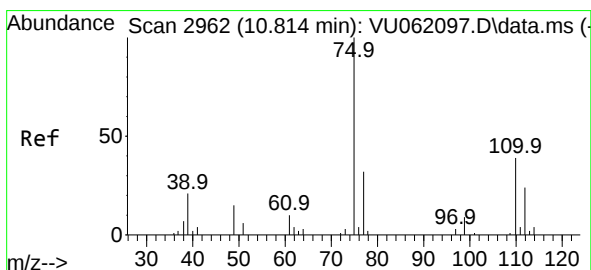
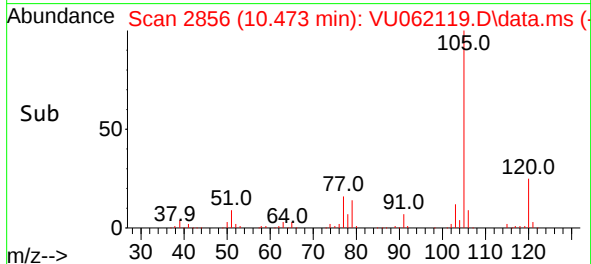
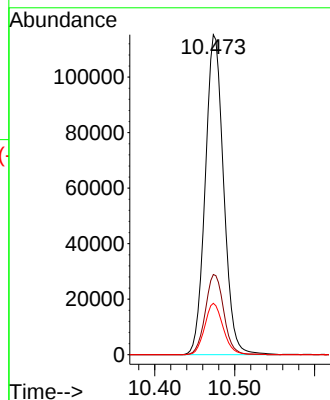
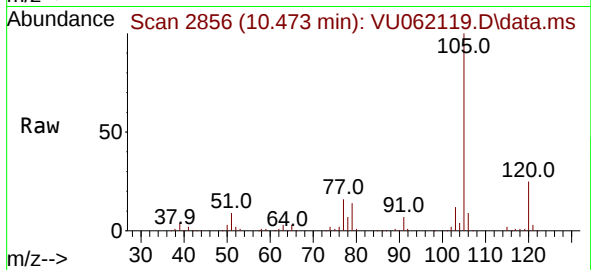
Tgt Ion:105 Resp: 184591

Ion Ratio Lower Upper

105 100

120 25.1 20.6 31.0

77 16.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 3.996 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

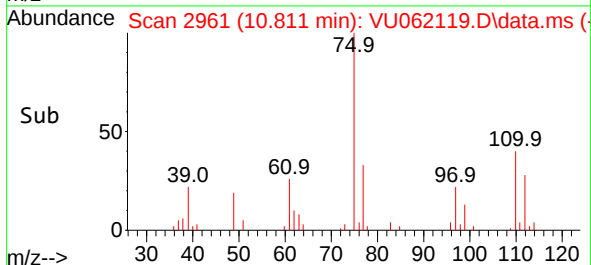
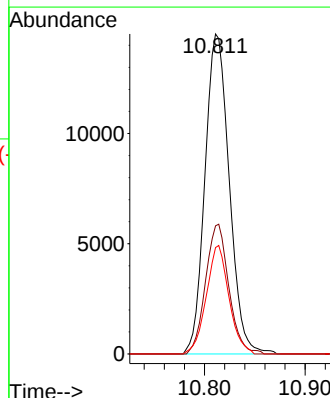
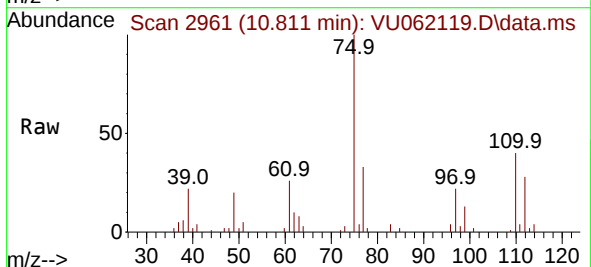
Tgt Ion: 75 Resp: 24398

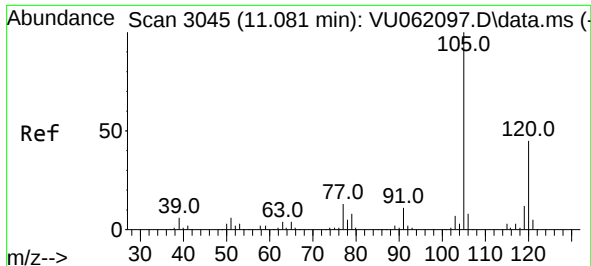
Ion Ratio Lower Upper

75 100

110 38.7 28.9 43.3

77 31.6 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.682 ug/L

RT: 11.078 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

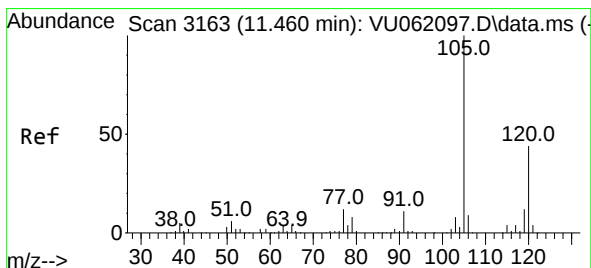
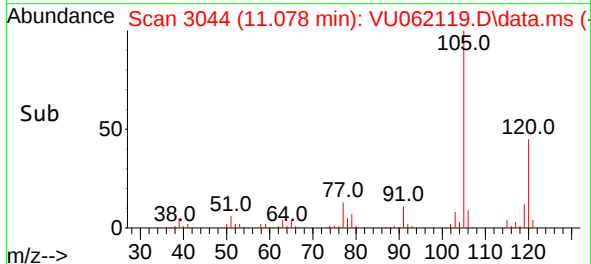
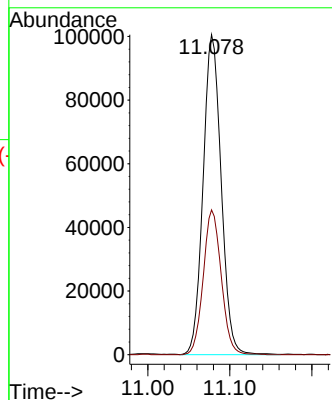
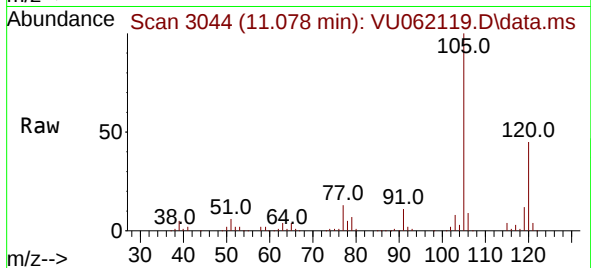
ClientSampleId :

Tgt Ion:105 Resp: 153815

Ion Ratio Lower Upper

105 100

120 45.0 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.636 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU062119.D

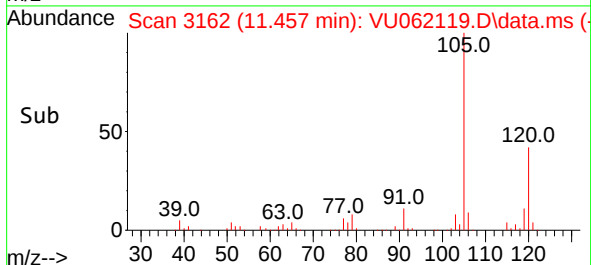
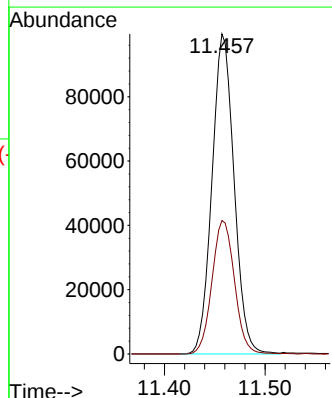
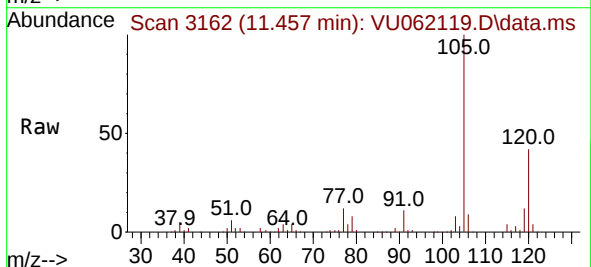
Acq: 05 Dec 2024 23:40

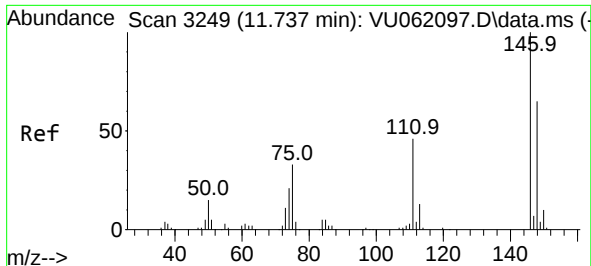
Tgt Ion:105 Resp: 151856

Ion Ratio Lower Upper

105 100

120 42.3 34.7 52.1

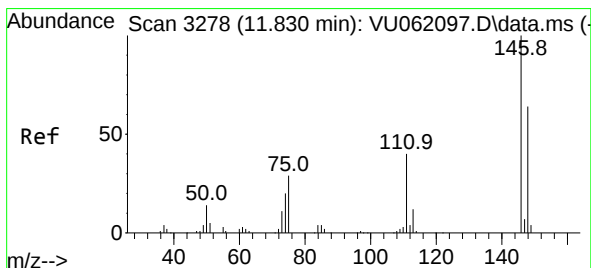
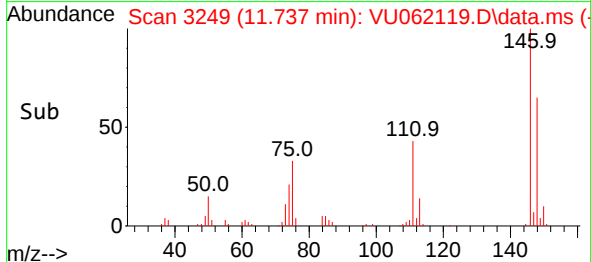
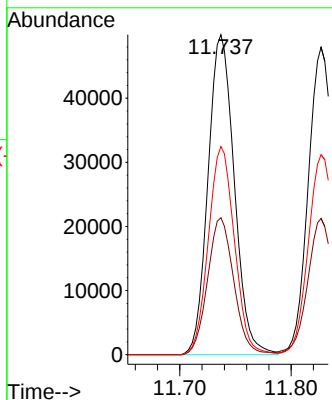
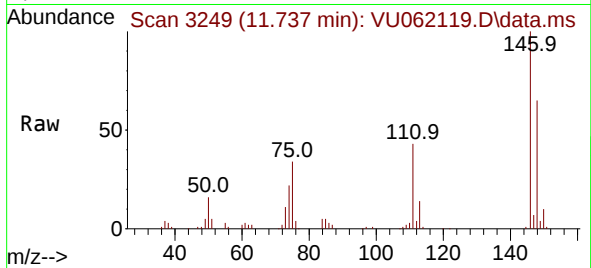




#64
1,3-Dichlorobenzene
Concen: 4.470 ug/L
RT: 11.737 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

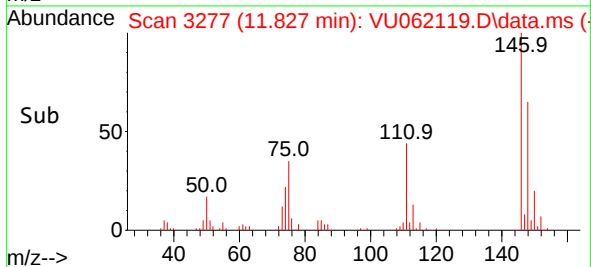
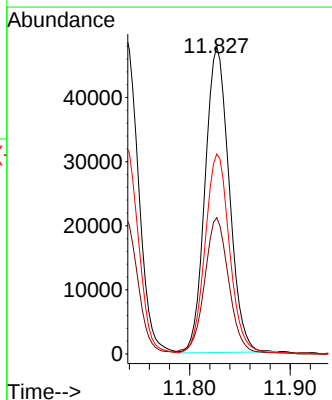
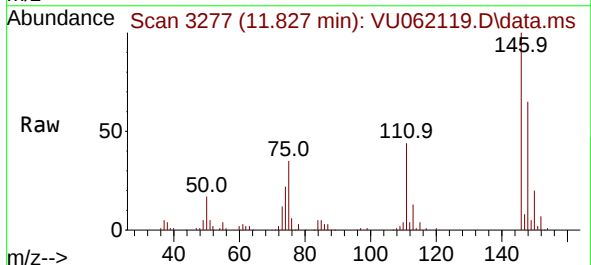
Instrument :
MSVOA_U
ClientSampleId :

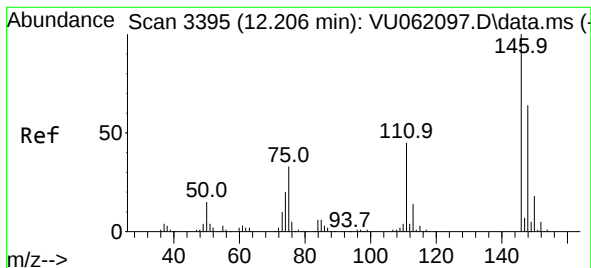
Tgt Ion:146 Resp: 81724
Ion Ratio Lower Upper
146 100
111 42.8 30.7 57.1
148 65.0 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.478 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion:146 Resp: 79233
Ion Ratio Lower Upper
146 100
111 44.4 29.3 54.3
148 65.0 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.825 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :

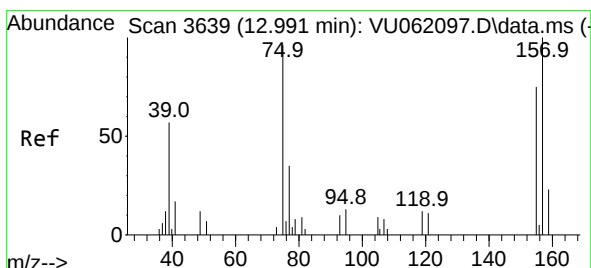
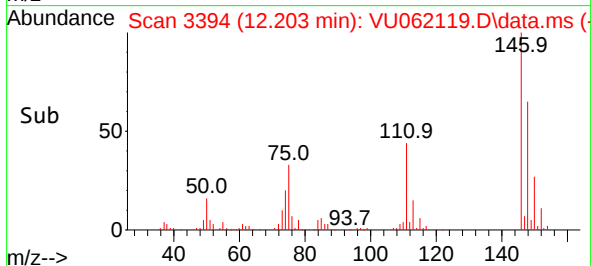
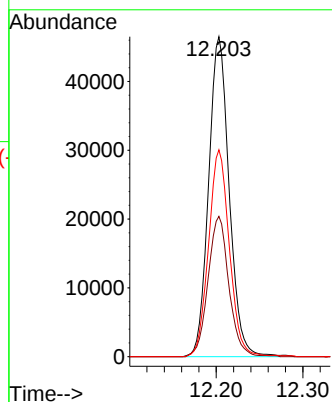
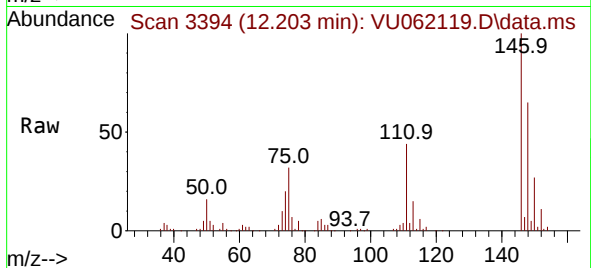
Tgt Ion:146 Resp: 76712

Ion Ratio Lower Upper

146 100

111 43.8 36.0 54.0

148 64.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.166 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.006 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

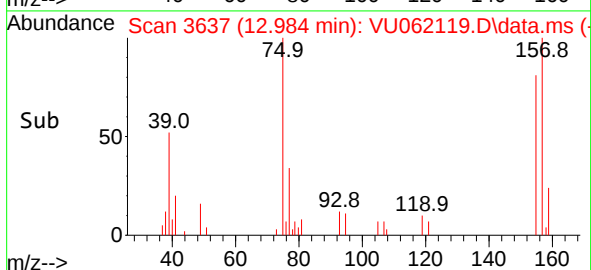
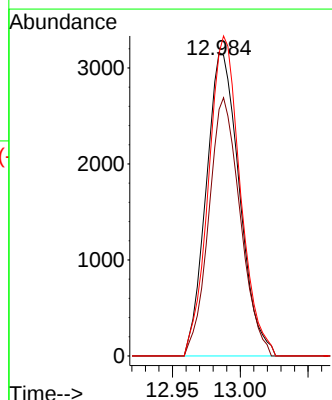
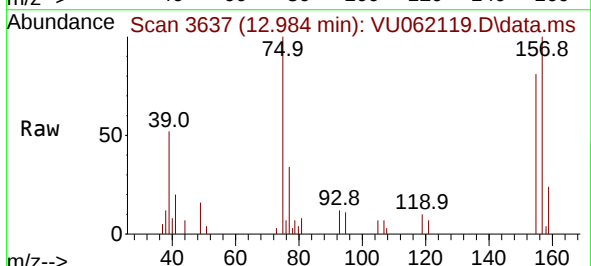
Tgt Ion: 75 Resp: 5383

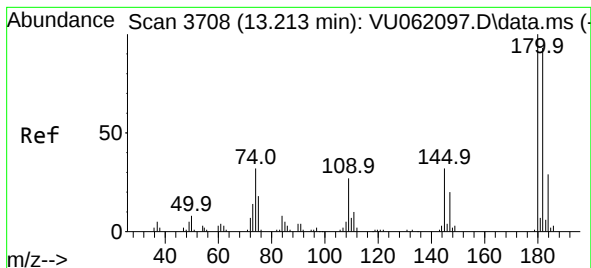
Ion Ratio Lower Upper

75 100

155 81.2 55.2 82.8

157 99.7 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 5.400 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 58739

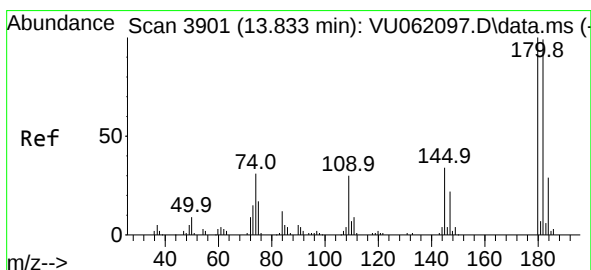
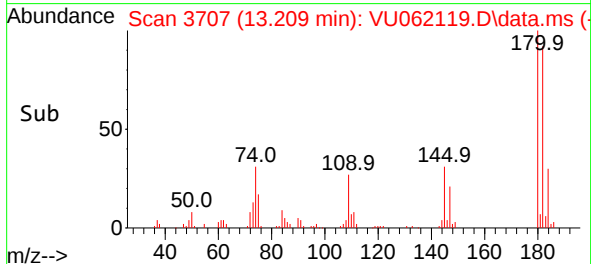
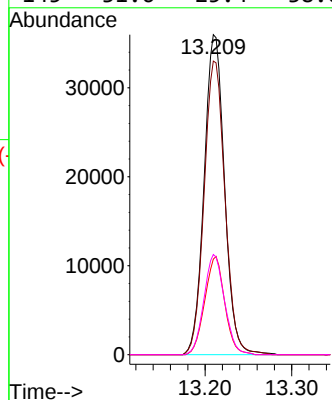
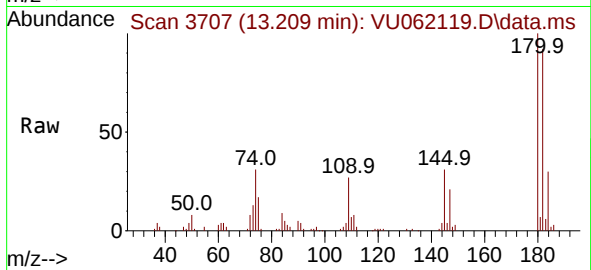
Ion Ratio Lower Upper

180 100

182 93.9 76.7 115.1

184 30.0 24.8 37.2

145 31.6 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.191 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU062119.D

Acq: 05 Dec 2024 23:40

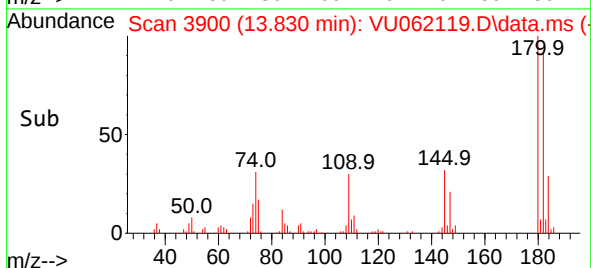
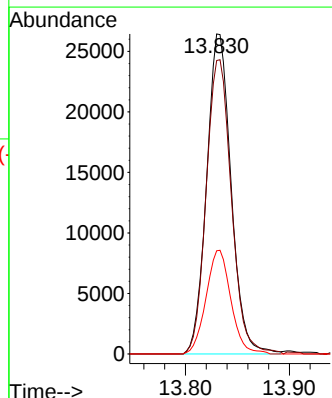
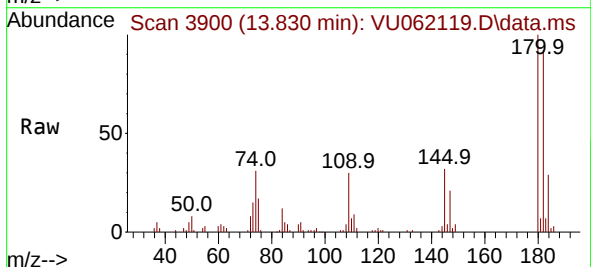
Tgt Ion:180 Resp: 43281

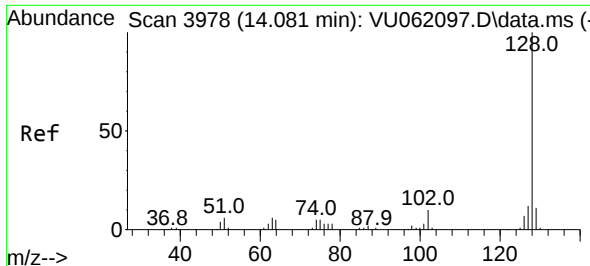
Ion Ratio Lower Upper

180 100

182 94.5 74.5 111.7

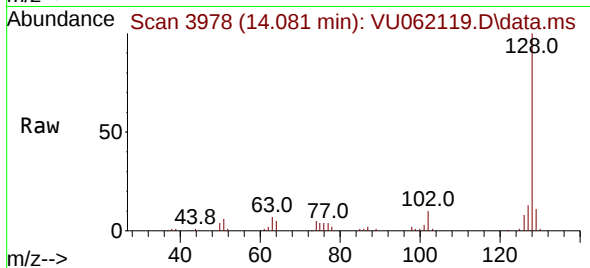
145 32.8 25.6 38.4



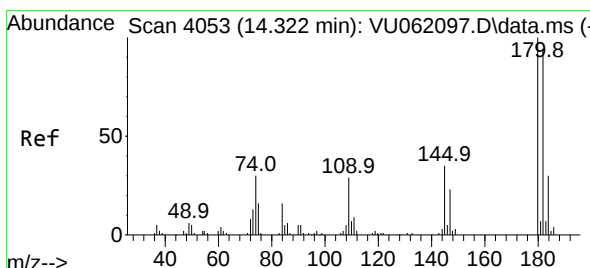
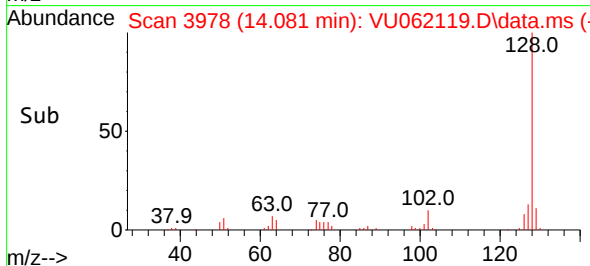
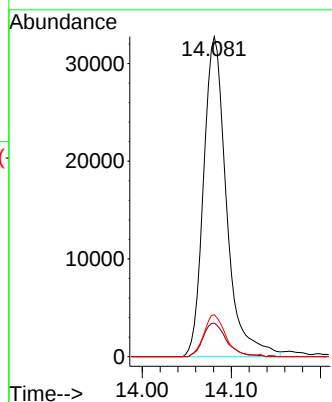


#71
Naphthalene
Concen: 4.358 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 58559
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 12.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.266 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU062119.D
Acq: 05 Dec 2024 23:40

Tgt Ion:180 Resp: 37813
Ion Ratio Lower Upper
180 100
182 94.8 76.1 114.1
145 33.3 27.4 41.0

