

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102524\
 Data File : VU061232.D
 Acq On : 25 Oct 2024 17:12
 Operator : MD/SY
 Sample : P4533-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 00:34:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 26 00:29:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	196415	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	176463	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	83687	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53882	4.038	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.907	69	55974	4.576	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.560	65	24145	4.230	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.621	46	130407	48.140	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.280%
24) Chloroform-d	5.052	84	120757	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.692	65	60750	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.717	84	240982	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.682	67	72685	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.891	98	222420	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.174	79	28321	4.641	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.624	63	118363	47.360	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.720%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	55695	4.927	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	73750	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	63355	4.838	ug/L	98
3) Chloromethane	1.515	50	62900	4.555	ug/L	99
5) Vinyl chloride	1.599	62	70080	4.616	ug/L	98
6) Bromomethane	1.853	94	52273	5.196	ug/L	96
8) Chloroethane	1.927	64	55561	4.971	ug/L	100
9) Trichlorofluoromethane	2.132	101	99026	4.802	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	59261	4.840	ug/L	100
12) 1,1-Dichloroethene	2.573	96	54816	4.720	ug/L	97
13) Acetone	2.637	43	81930	47.751	ug/L	97
14) Carbon disulfide	2.785	76	176870	4.565	ug/L	100
15) Methyl Acetate	2.952	43	20585	4.845	ug/L	99
16) Methylene chloride	3.039	84	67532	4.935	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	163606	5.198	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	62699	4.883	ug/L	97
19) 1,1-Dichloroethane	3.859	63	119526	4.935	ug/L	99
21) 2-Butanone	4.701	43	140267	51.568	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	75558	5.151	ug/L	96
23) Bromochloromethane	4.965	128	32916	5.333	ug/L	95
25) Chloroform	5.078	83	126937	4.985	ug/L	100

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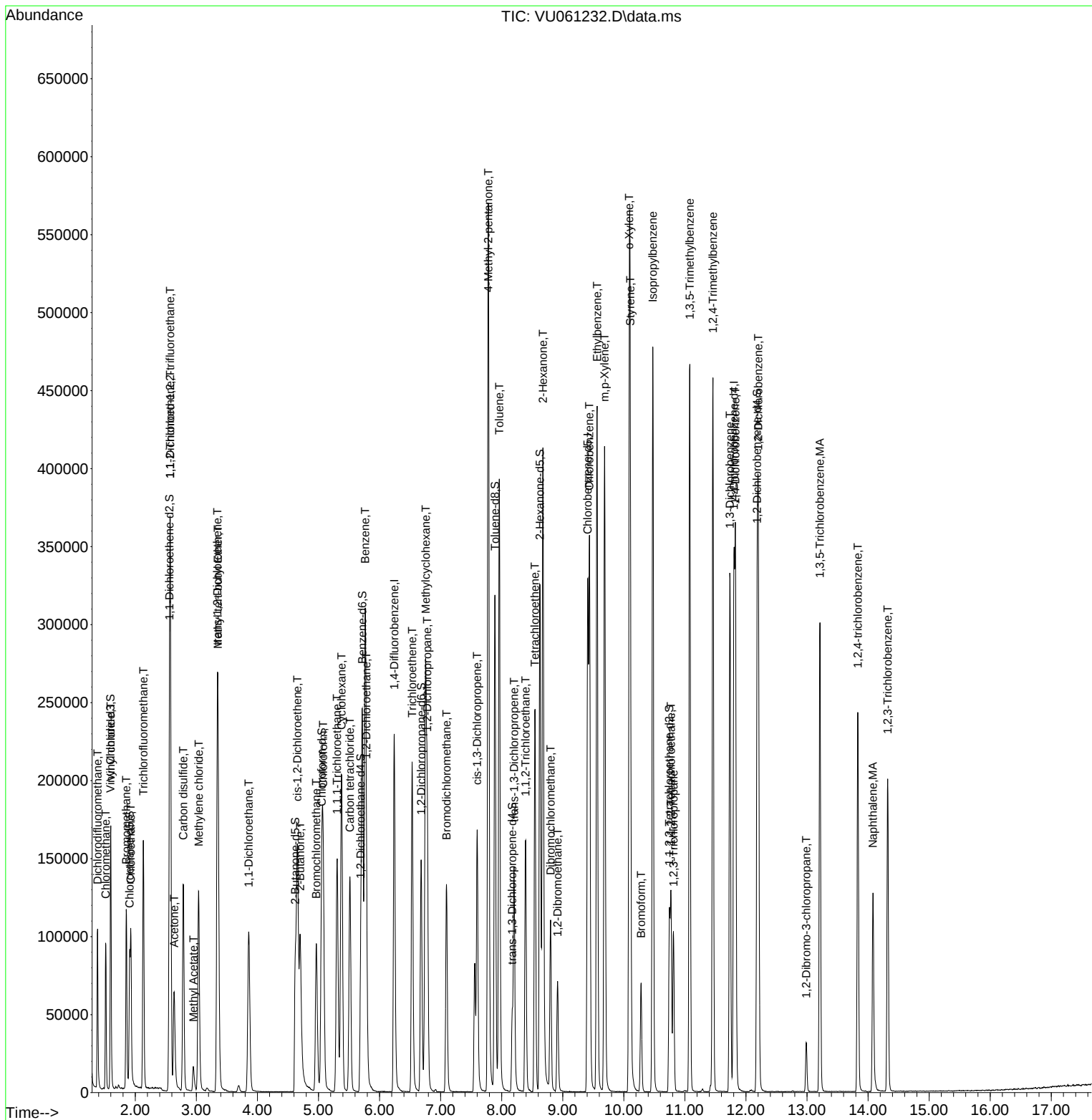
Instrument :
 MSVOA_U
 ClientSampleId :

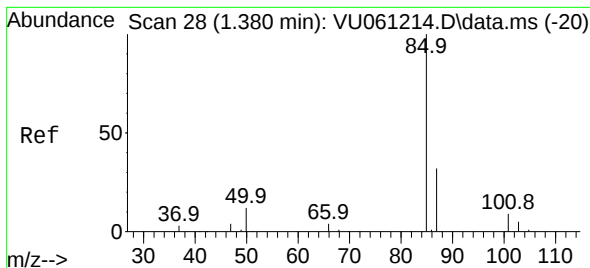
Quant Time: Oct 26 00:34:07 2024
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	80385	4.995	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	108142	5.004	ug/L	98
30) Cyclohexane	5.377	56	108083	4.987	ug/L	100
31) Carbon tetrachloride	5.515	117	94292	5.100	ug/L	98
33) Benzene	5.766	78	279763	5.126	ug/L	100
34) Trichloroethene	6.534	95	74327	5.007	ug/L	99
35) Methylcyclohexane	6.756	83	114593	4.850	ug/L	98
37) 1,2-Dichloropropane	6.782	63	68462	4.949	ug/L	99
38) Bromodichloromethane	7.097	83	87019	4.971	ug/L	94
39) cis-1,3-Dichloropropene	7.598	75	105894	4.956	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	353912	51.406	ug/L	99
42) Toluene	7.962	91	295041	4.978	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	85679	4.922	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	50725	5.096	ug/L	97
47) Tetrachloroethene	8.544	164	52663	5.079	ug/L	97
48) 2-Hexanone	8.676	43	255056	52.389	ug/L	99
49) Dibromochloromethane	8.801	129	55995	4.959	ug/L	98
50) 1,2-Dibromoethane	8.917	107	48427	5.007	ug/L	99
51) Chlorobenzene	9.438	112	187718	5.011	ug/L	100
52) Ethylbenzene	9.563	91	323547	4.963	ug/L	99
53) m,p-Xylene	9.685	106	121125	4.877	ug/L	96
54) o-Xylene	10.090	106	121454	4.955	ug/L	99
55) Styrene	10.106	104	158858	4.043	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	61059	5.090	ug/L	98
59) Bromoform	10.283	173	30304	4.892	ug/L	98
60) Isopropylbenzene	10.476	105	317929	4.973	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	43273	5.191	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	254617	4.892	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	253705	4.932	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	132799	4.936	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	133587	4.870	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	124962	4.935	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	8459	4.833	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	92088	4.993	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	72847	4.894	ug/L	97
71) Naphthalene	14.080	128	110211	4.692	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	62021	4.981	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.838 ug/L

RT: 1.383 min Scan# 20

Delta R.T. 0.003 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

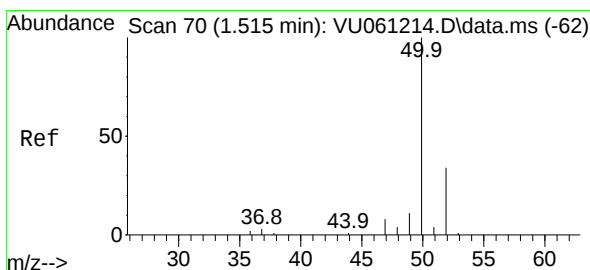
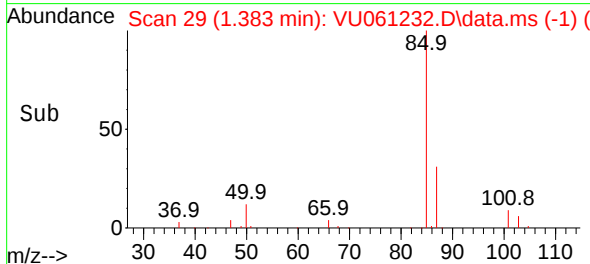
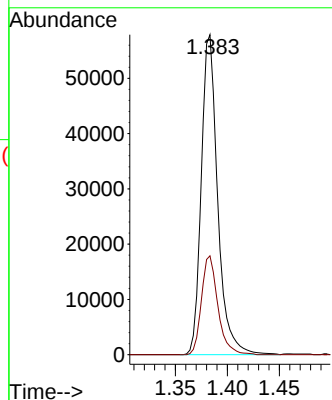
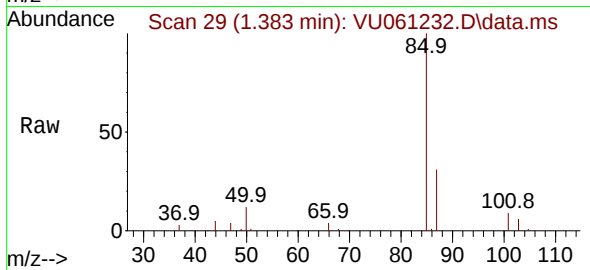
ClientSampleId :

Tgt Ion: 85 Resp: 63355

Ion Ratio Lower Upper

85 100

87 30.9 25.7 38.5



#3

Chloromethane

Concen: 4.555 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU061232.D

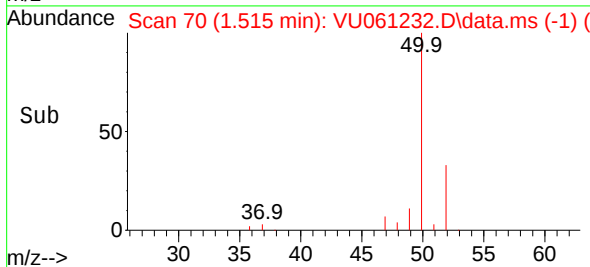
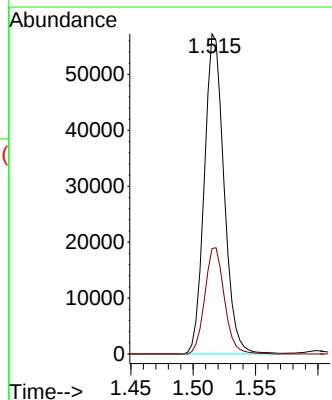
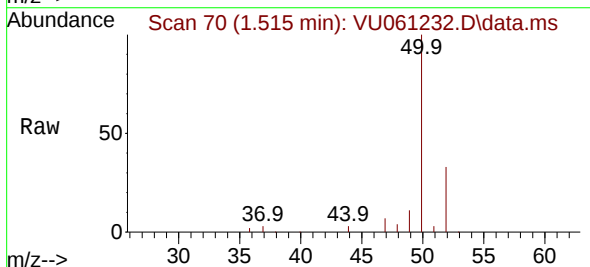
Acq: 25 Oct 2024 17:12

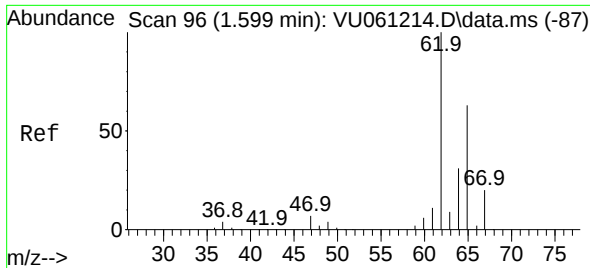
Tgt Ion: 50 Resp: 62900

Ion Ratio Lower Upper

50 100

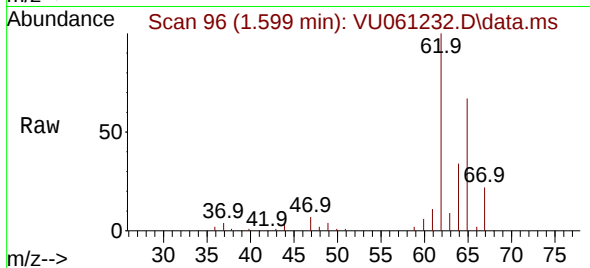
52 32.9 23.4 43.4



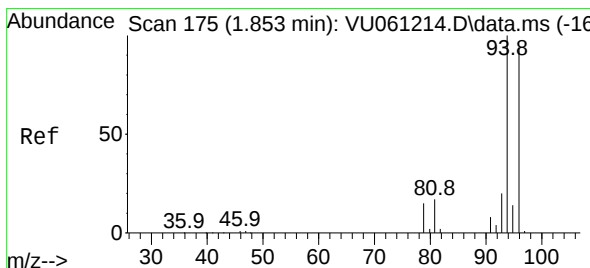
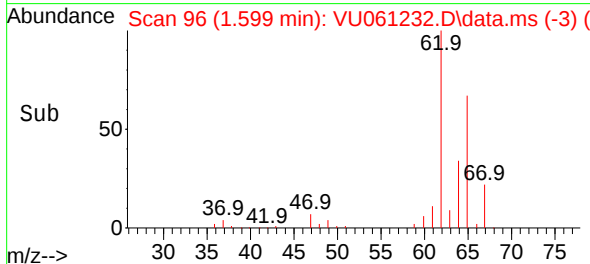
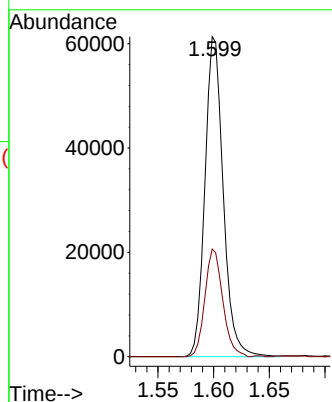


#5
 Vinyl chloride
 Concen: 4.616 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

Instrument :
 MSVOA_U
 ClientSampleId :

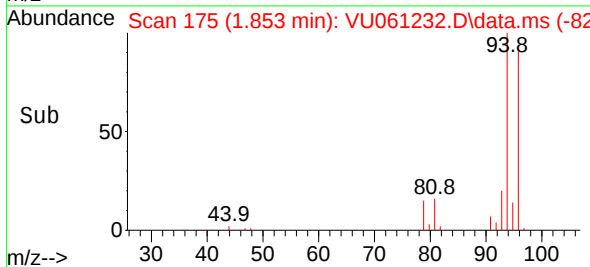
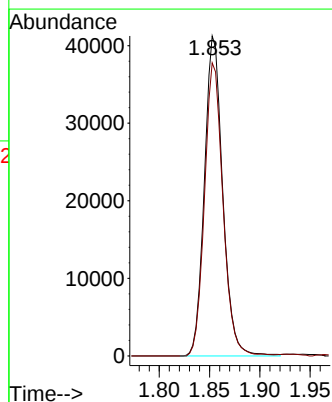
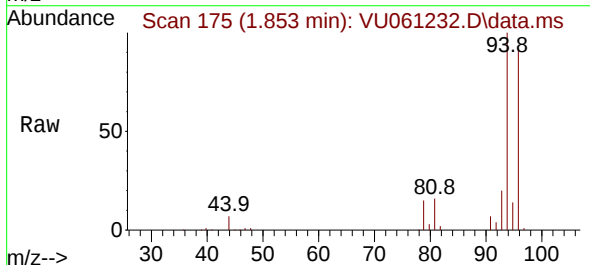


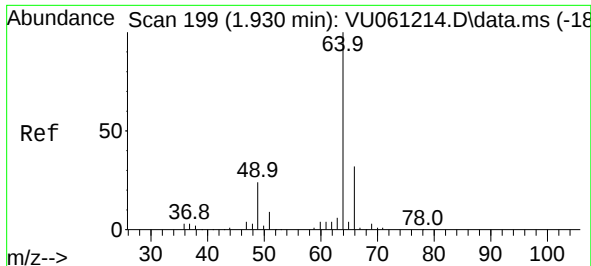
Tgt Ion: 62 Resp: 70080
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.6 42.0



#6
 Bromomethane
 Concen: 5.196 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

Tgt Ion: 94 Resp: 52273
 Ion Ratio Lower Upper
 94 100
 96 91.6 66.9 124.3





#8

Chloroethane

Concen: 4.971 ug/L

RT: 1.927 min Scan# 199

Delta R.T. -0.003 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

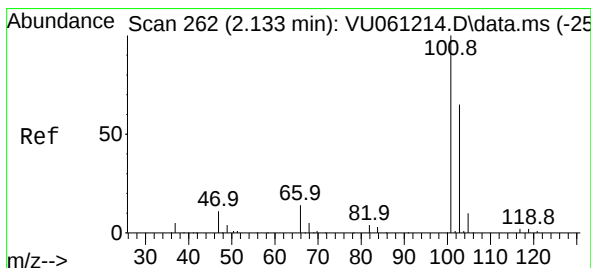
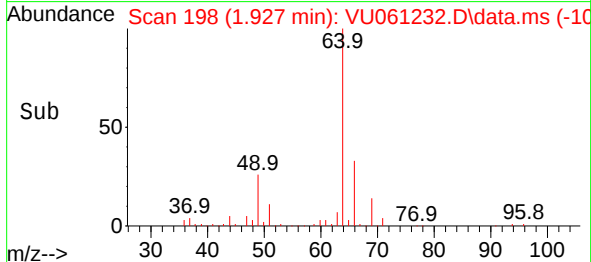
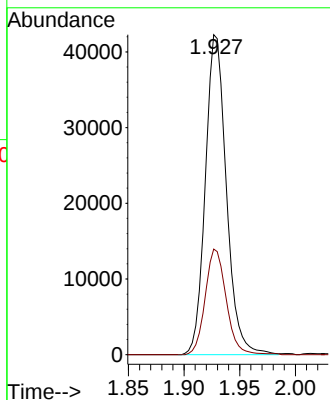
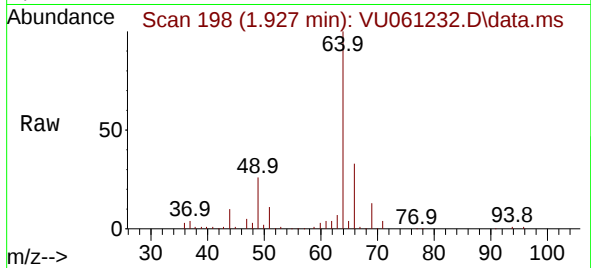
ClientSampleId :

Tgt Ion: 64 Resp: 55561

Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9



#9

Trichlorofluoromethane

Concen: 4.802 ug/L

RT: 2.132 min Scan# 262

Delta R.T. -0.000 min

Lab File: VU061232.D

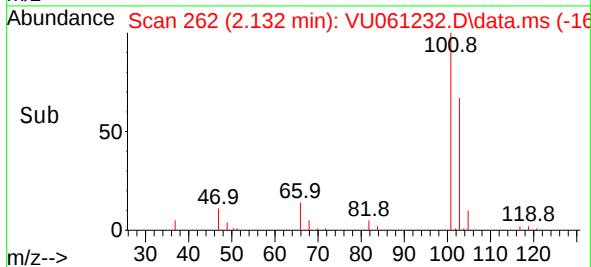
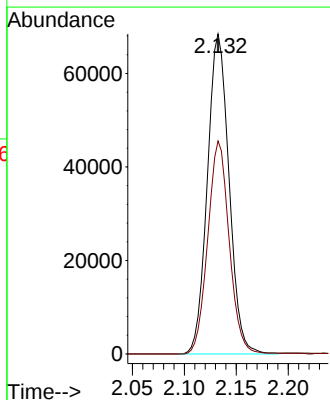
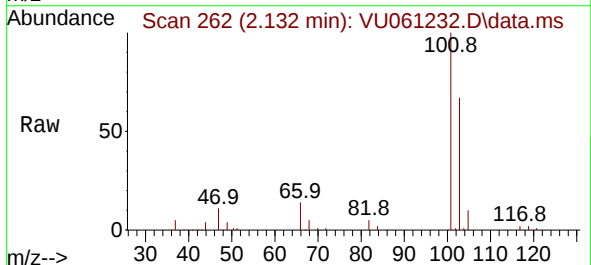
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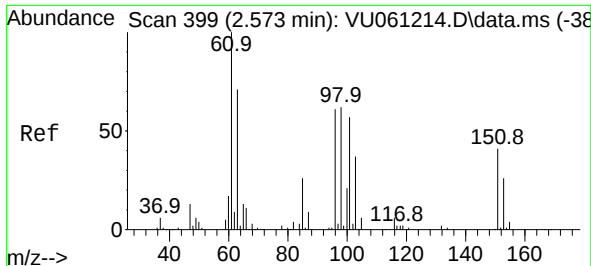
Tgt Ion:101 Resp: 99026

Ion Ratio Lower Upper

101 100

103 65.7 50.6 75.8

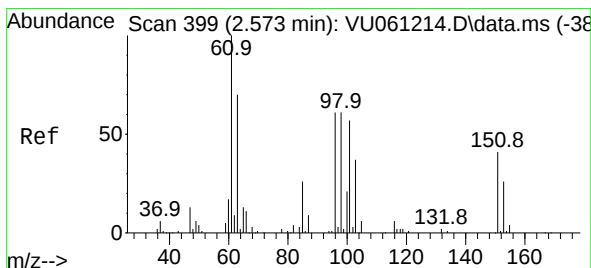
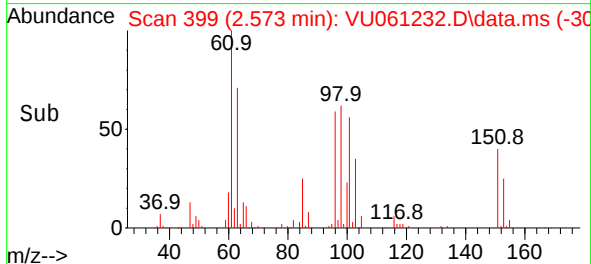
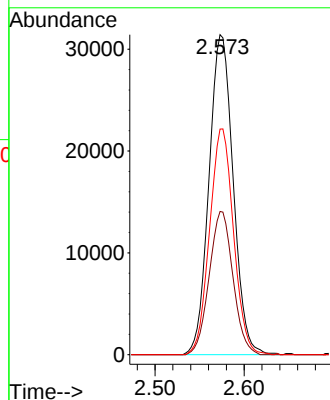
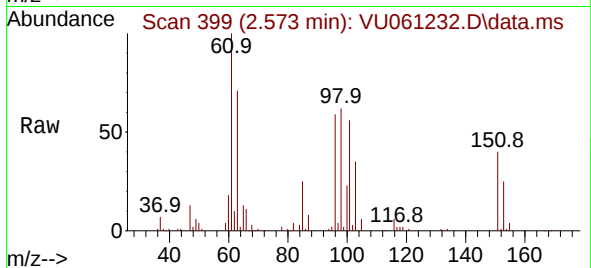




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.840 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

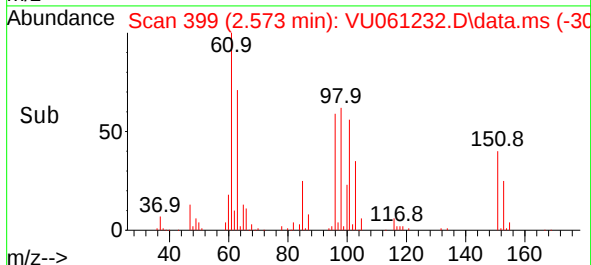
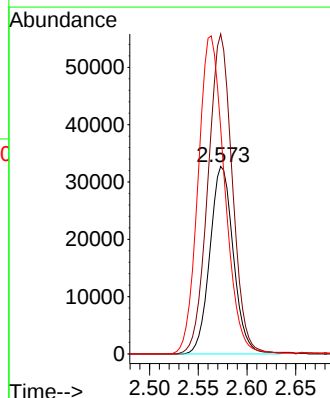
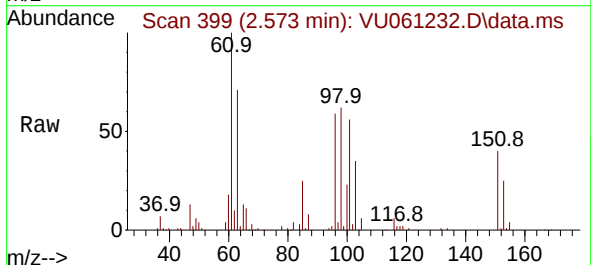
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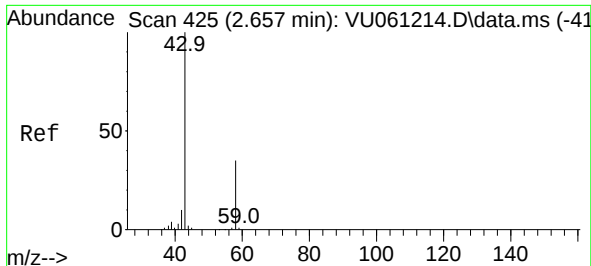
Tgt Ion:	101	Resp:	59261
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.6	53.4
151	69.9	55.9	83.9



#12
 1,1-Dichloroethene
 Concen: 4.720 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

Tgt Ion:	96	Resp:	54816
Ion	Ratio	Lower	Upper
96	100		
61	170.7	119.1	221.1
63	120.4	89.4	166.0





#13

Acetone

Concen: 47.751 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.020 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

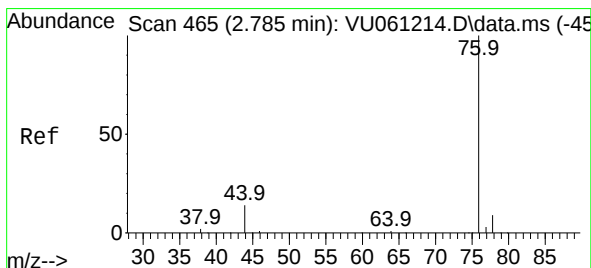
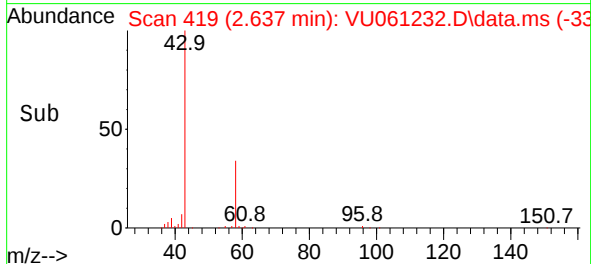
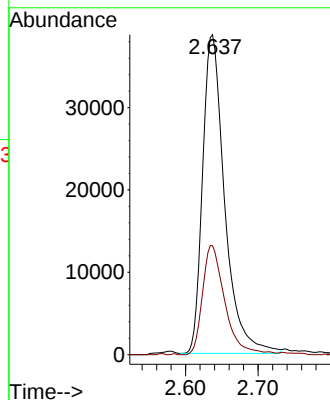
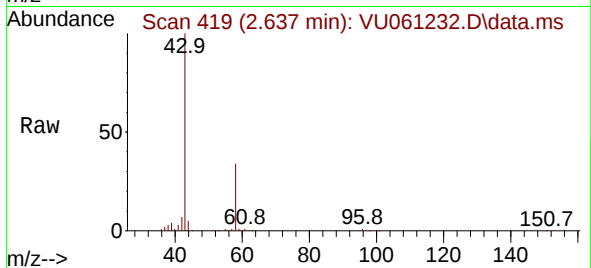
ClientSampleId :

Tgt Ion: 43 Resp: 81930

Ion Ratio Lower Upper

43 100

58 34.7 0.0 73.2



#14

Carbon disulfide

Concen: 4.565 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU061232.D

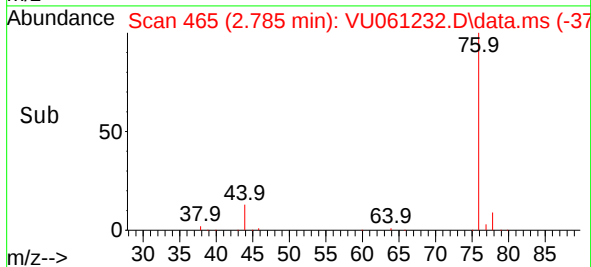
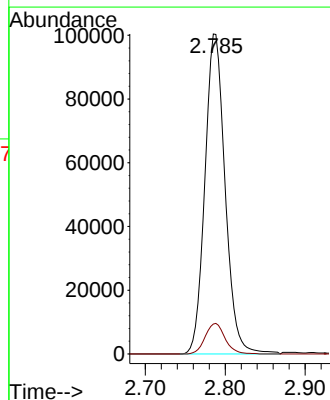
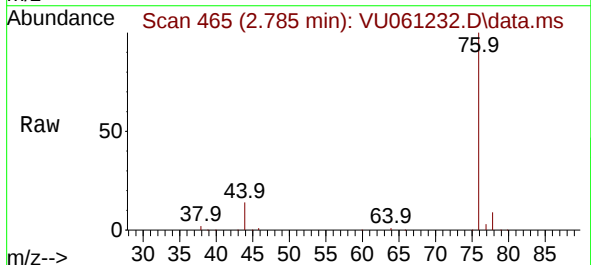
Acq: 25 Oct 2024 17:12

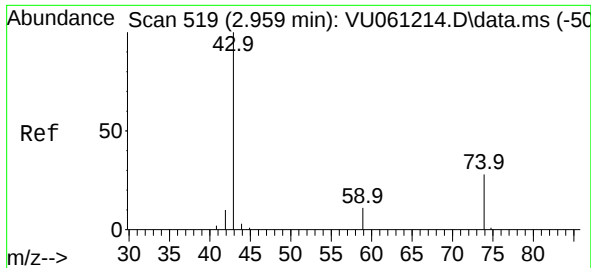
Tgt Ion: 76 Resp: 176870

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 4.845 ug/L

RT: 2.952 min Scan# 519

Delta R.T. -0.007 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

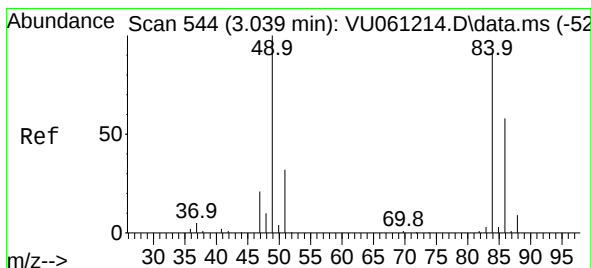
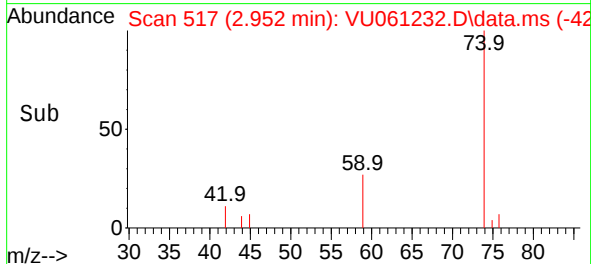
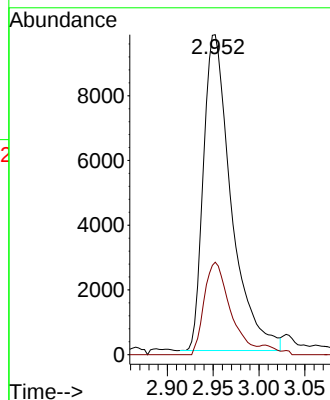
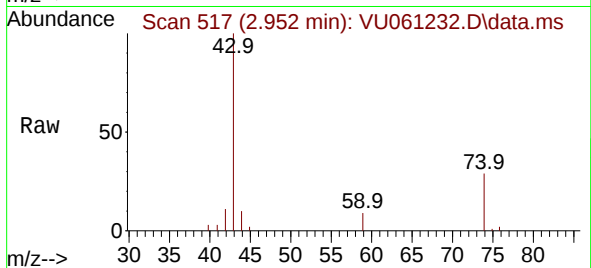
ClientSampleId :

Tgt Ion: 43 Resp: 20585

Ion Ratio Lower Upper

43 100

74 27.4 22.2 33.4



#16

Methylene chloride

Concen: 4.935 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

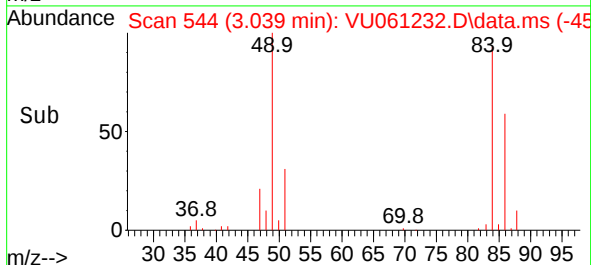
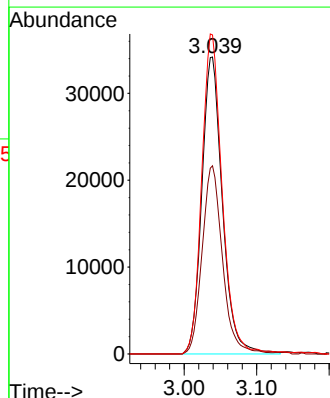
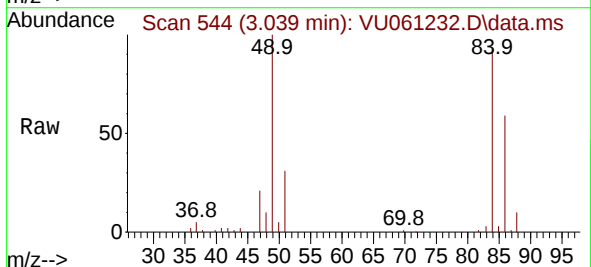
Tgt Ion: 84 Resp: 67532

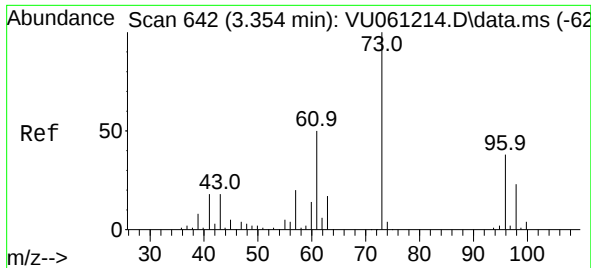
Ion Ratio Lower Upper

84 100

86 63.3 43.5 80.7

49 107.4 75.7 140.7

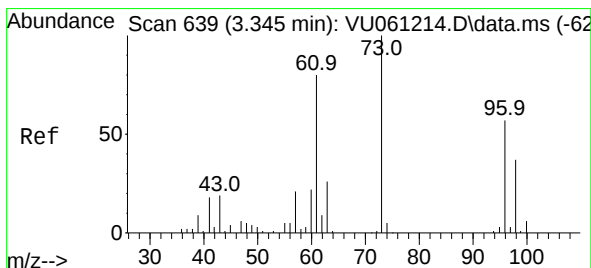
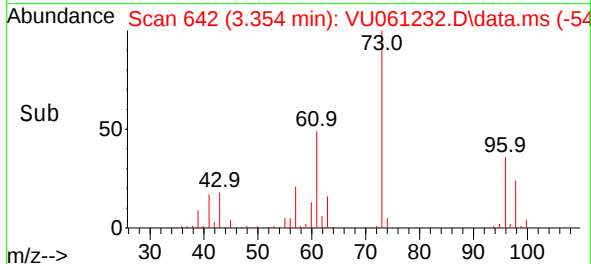
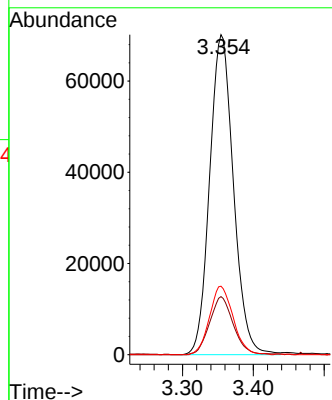
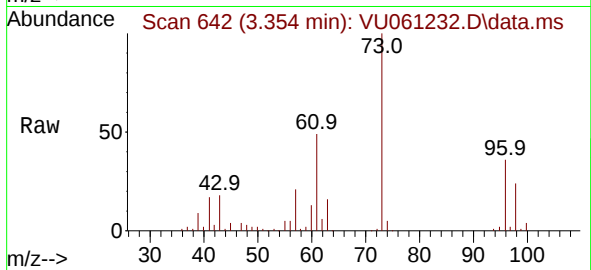




#17
Methyl tert-butyl Ether
Concen: 5.198 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

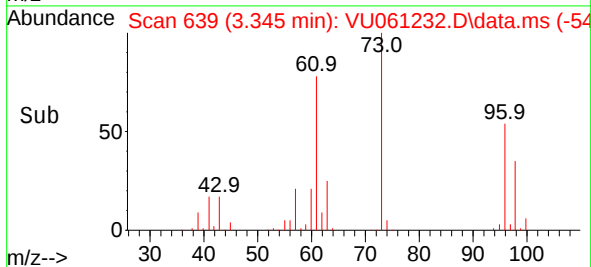
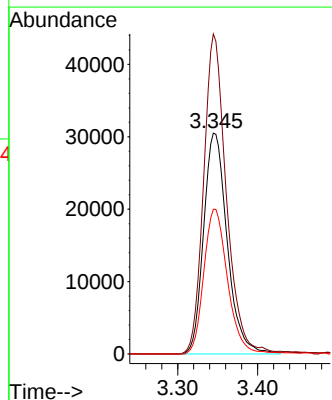
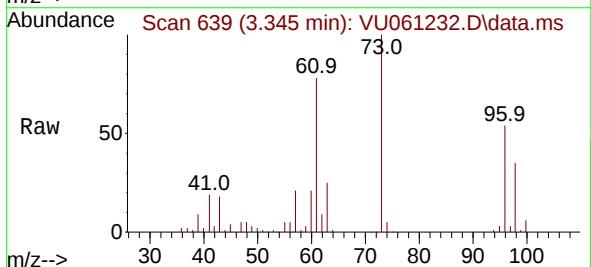
Instrument :
MSVOA_U
ClientSampleId :

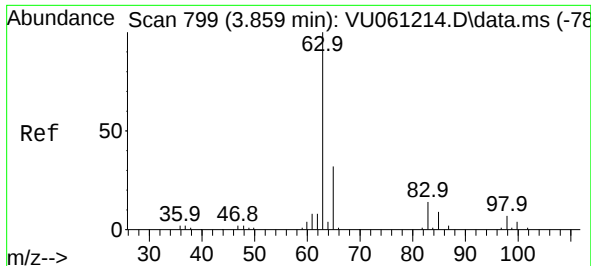
Tgt Ion: 73 Resp: 163606
Ion Ratio Lower Upper
73 100
43 18.0 15.0 22.4
57 21.3 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 4.883 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

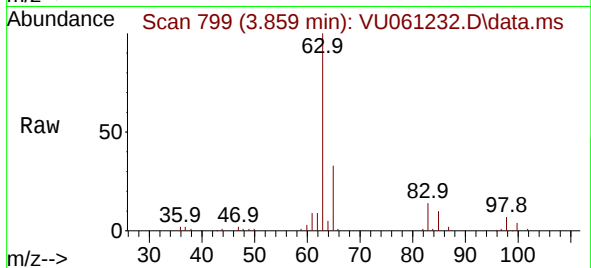
Tgt Ion: 96 Resp: 62699
Ion Ratio Lower Upper
96 100
61 144.9 97.9 181.7
98 65.5 46.2 85.8



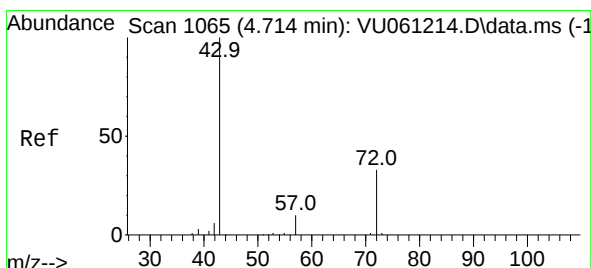
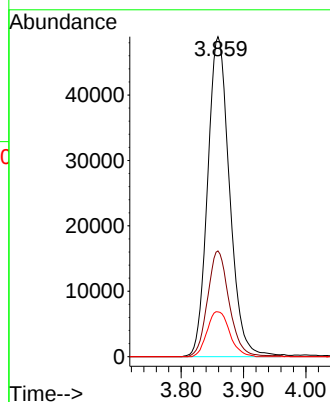
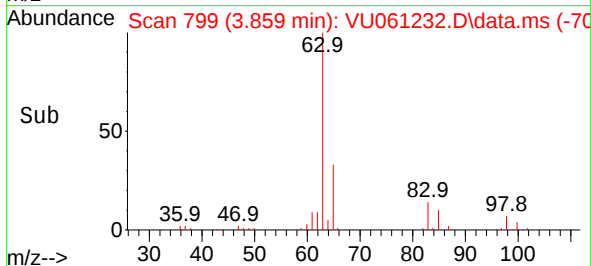


#19
1,1-Dichloroethane
Concen: 4.935 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Instrument :
MSVOA_U
ClientSampleId :

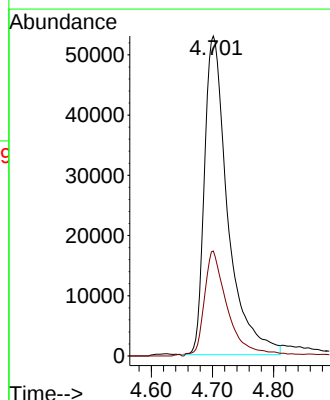
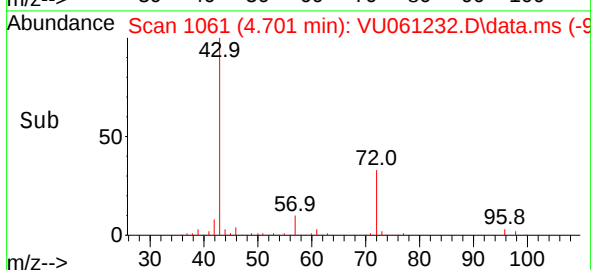
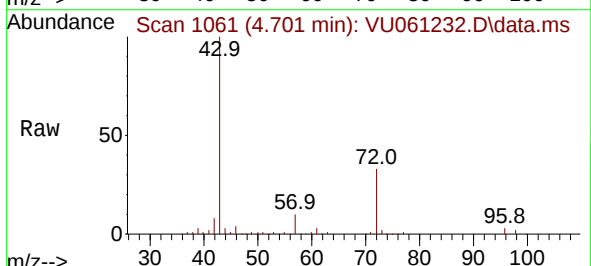


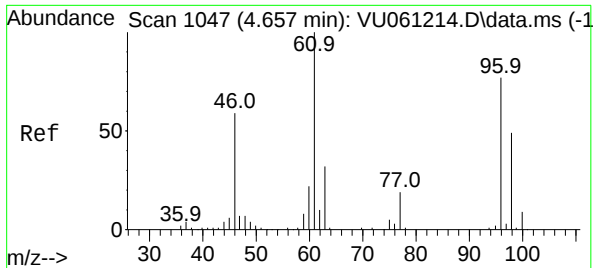
Tgt Ion: 63 Resp: 119526
Ion Ratio Lower Upper
63 100
65 33.8 23.0 42.6
83 14.0 9.7 17.9



#21
2-Butanone
Concen: 51.568 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. -0.013 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion: 43 Resp: 140267
Ion Ratio Lower Upper
43 100
72 32.8 15.9 47.6

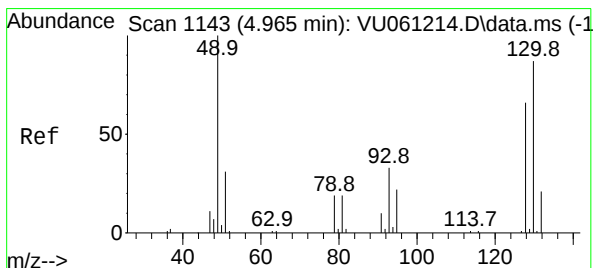
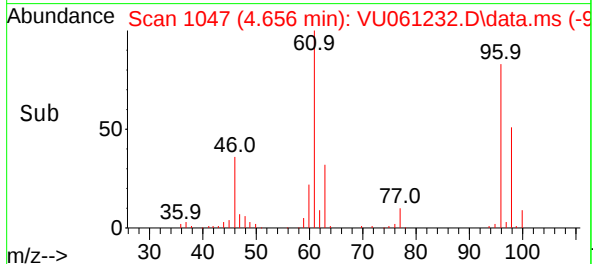
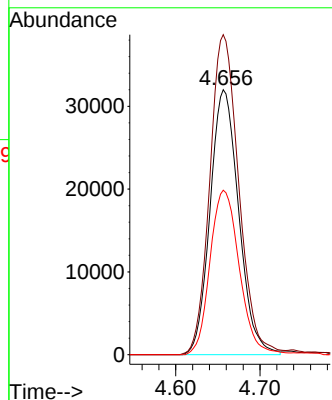
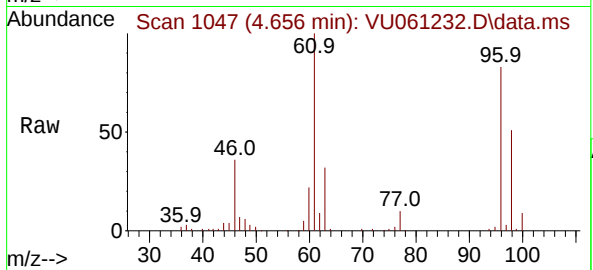




#22
 cis-1,2-Dichloroethene
 Concen: 5.151 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

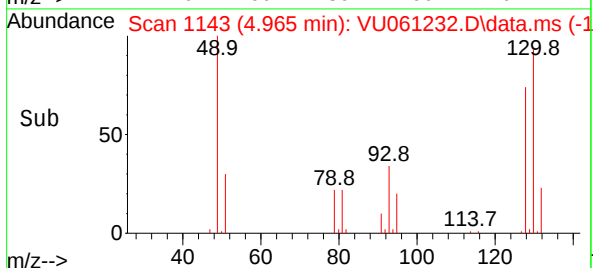
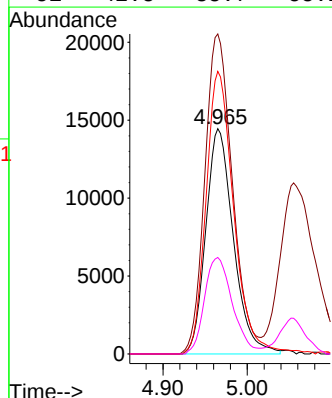
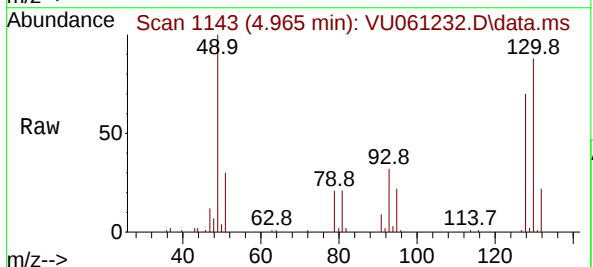
Instrument :
 MSVOA_U
 ClientSampleId :

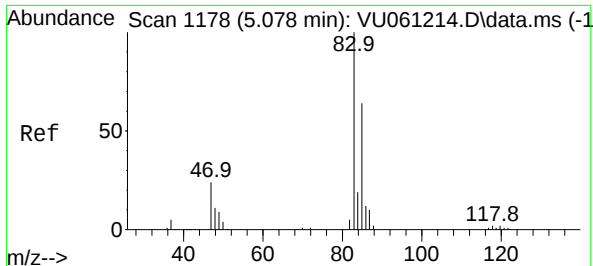
Tgt Ion:	96	Resp:	75558
Ion	Ratio	Lower	Upper
96	100		
61	120.7	88.1	163.5
98	62.1	45.0	83.6



#23
 Bromochloromethane
 Concen: 5.333 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

Tgt Ion:	128	Resp:	32916
Ion	Ratio	Lower	Upper
128	100		
49	142.0	105.1	195.1
130	125.4	89.6	166.4
51	42.8	38.7	58.1





#25

Chloroform

Concen: 4.985 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

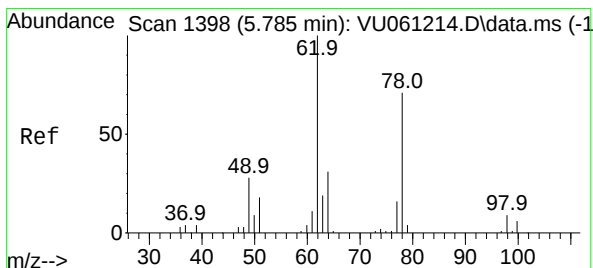
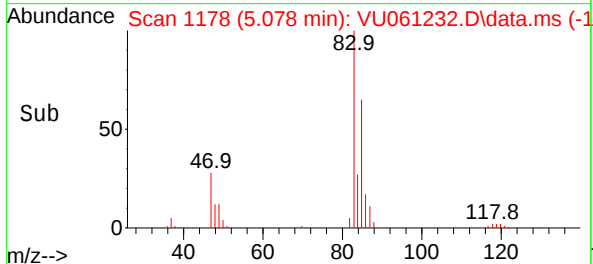
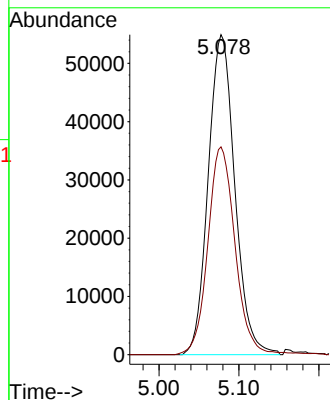
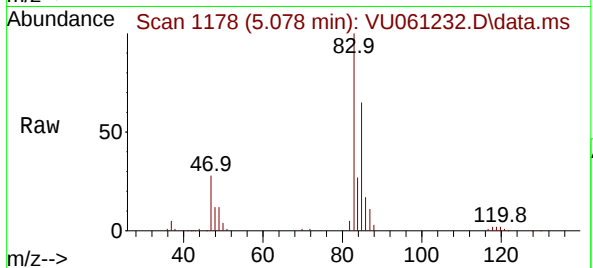
ClientSampleId :

Tgt Ion: 83 Resp: 126937

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.995 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU061232.D

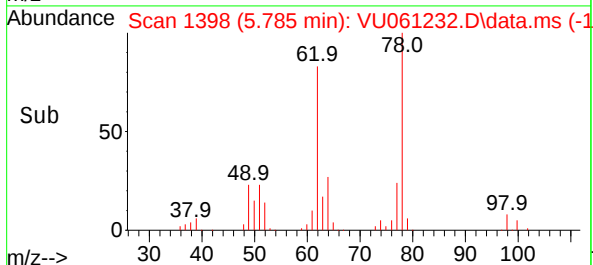
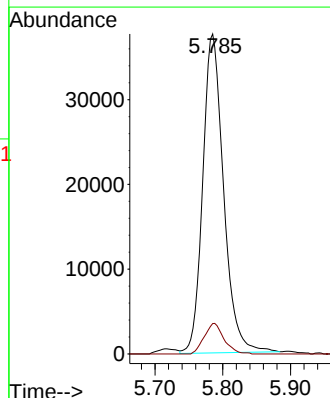
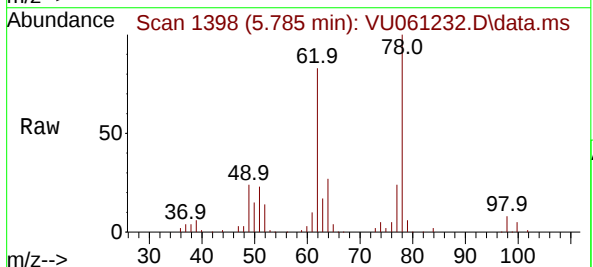
Acq: 25 Oct 2024 17:12

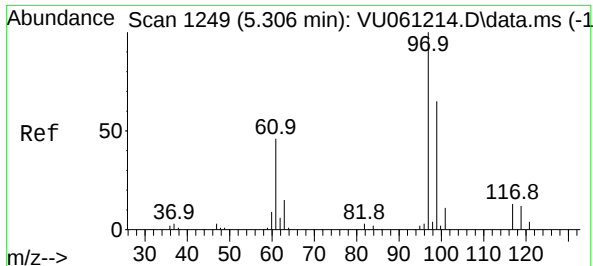
Tgt Ion: 62 Resp: 80385

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0

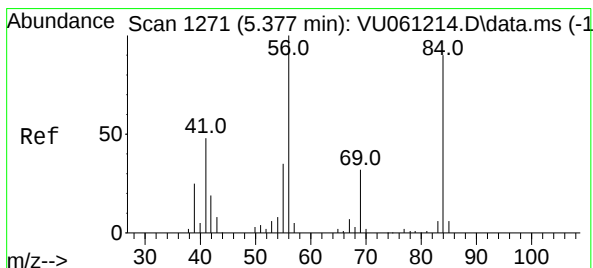
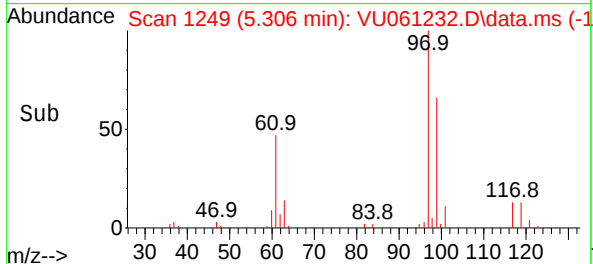
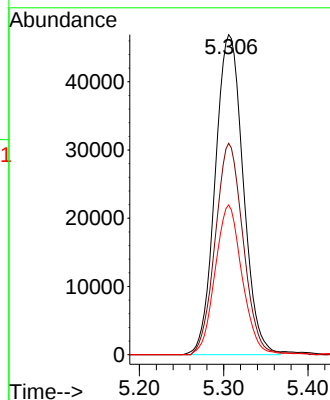
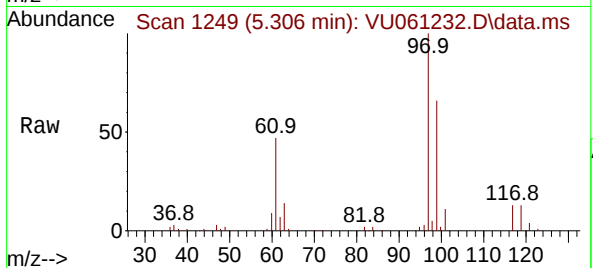




#29
1,1,1-Trichloroethane
Concen: 5.004 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

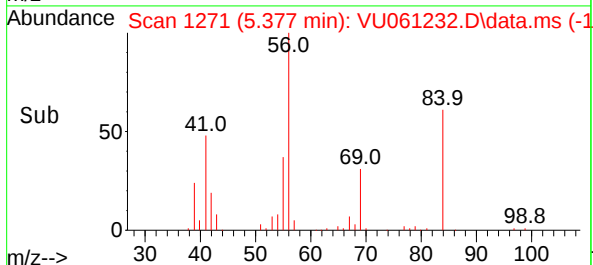
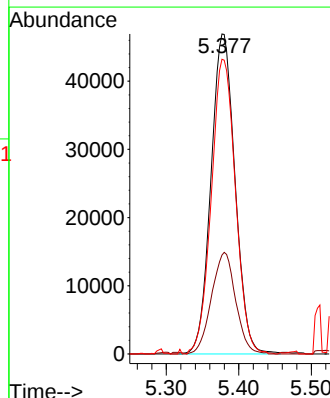
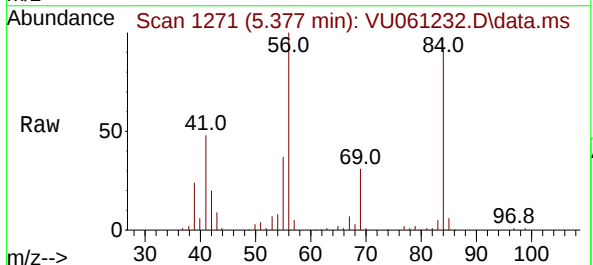
Instrument :
MSVOA_U
ClientSampleId :

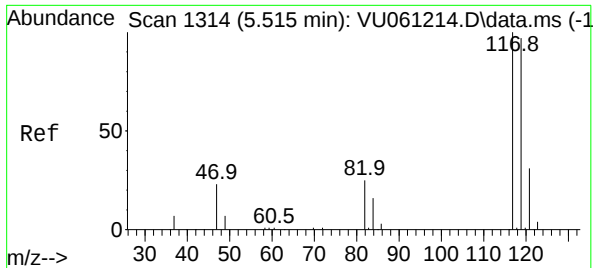
Tgt Ion: 97 Resp: 108142
Ion Ratio Lower Upper
97 100
99 66.1 50.8 76.2
61 45.4 36.1 54.1



#30
Cyclohexane
Concen: 4.987 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion: 56 Resp: 108083
Ion Ratio Lower Upper
56 100
69 31.9 25.8 38.6
84 92.5 73.9 110.9

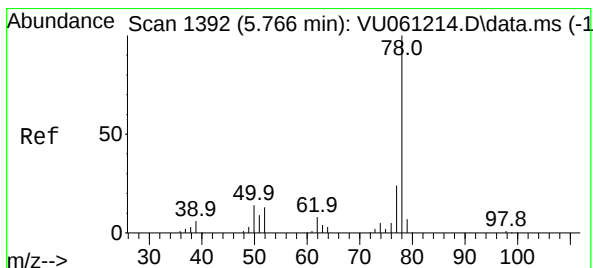
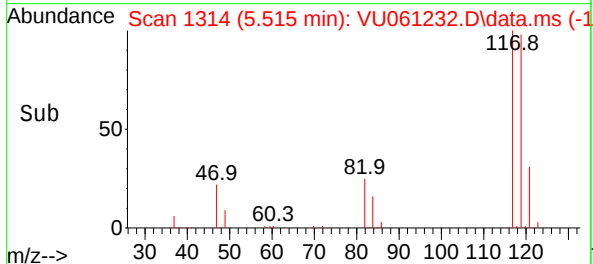
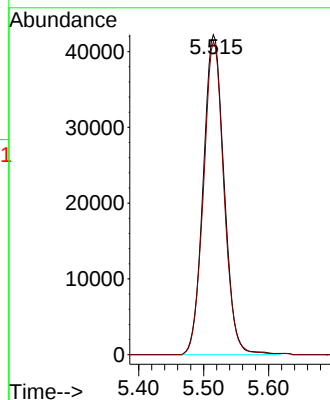
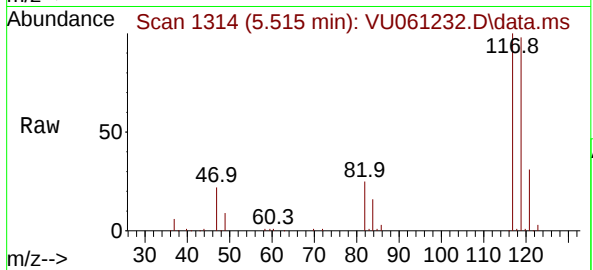




#31
Carbon tetrachloride
Concen: 5.100 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

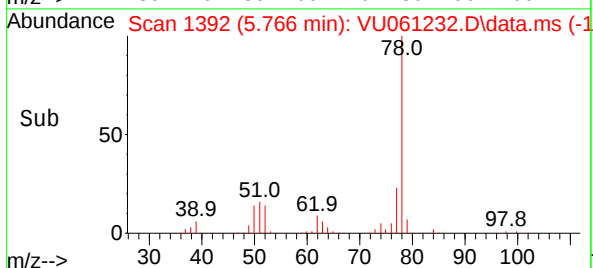
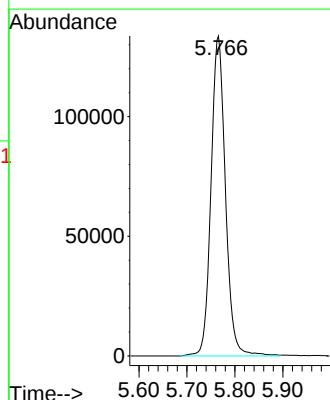
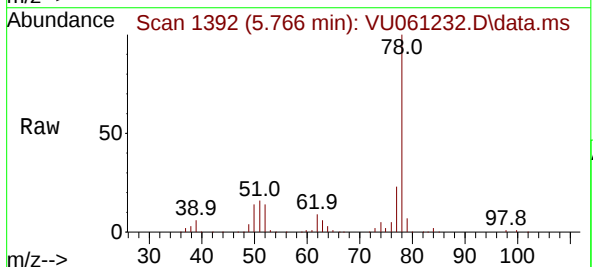
Instrument :
MSVOA_U
ClientSampleId :

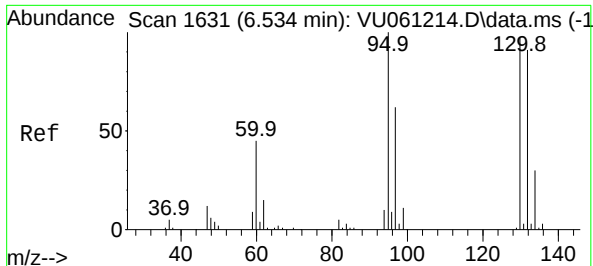
Tgt Ion:117 Resp: 94292
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3



#33
Benzene
Concen: 5.126 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

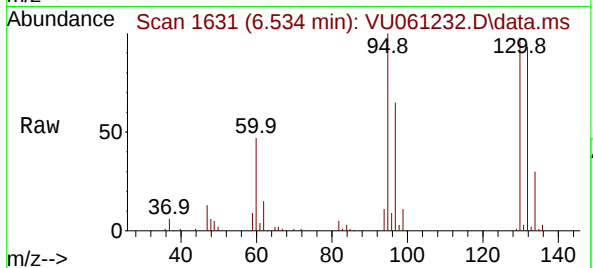
Tgt Ion: 78 Resp: 279763



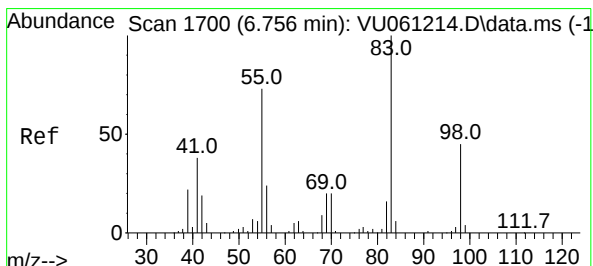
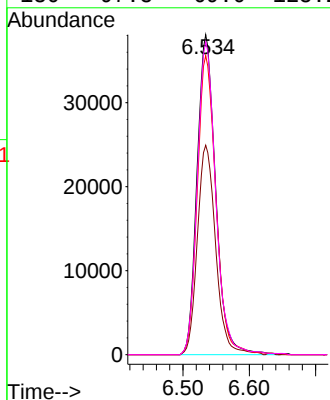
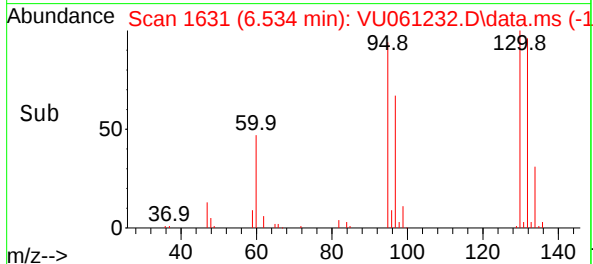


#34
Trichloroethene
Concen: 5.007 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

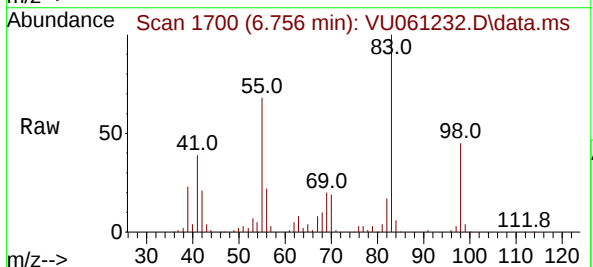
Instrument :
MSVOA_U
ClientSampleId :



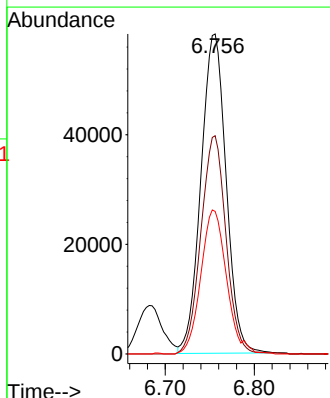
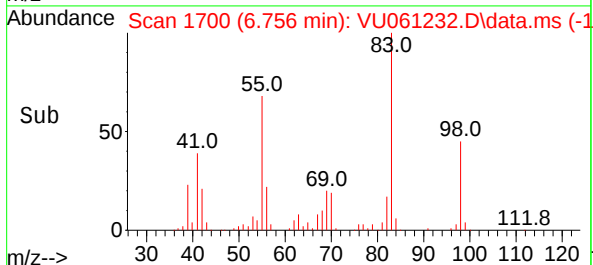
Tgt Ion: 95 Resp: 74327
Ion Ratio Lower Upper
95 100
97 65.5 46.1 85.7
132 93.4 66.1 122.7
130 97.8 69.0 128.2

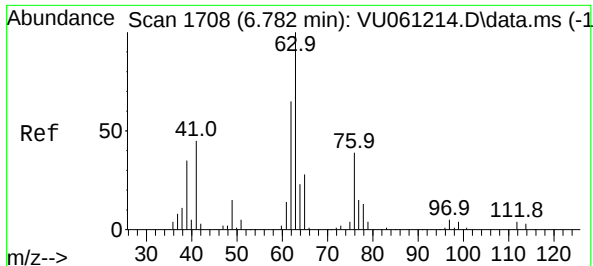


#35
Methylcyclohexane
Concen: 4.850 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12



Tgt Ion: 83 Resp: 114593
Ion Ratio Lower Upper
83 100
55 68.0 55.9 83.9
98 45.9 35.9 53.9

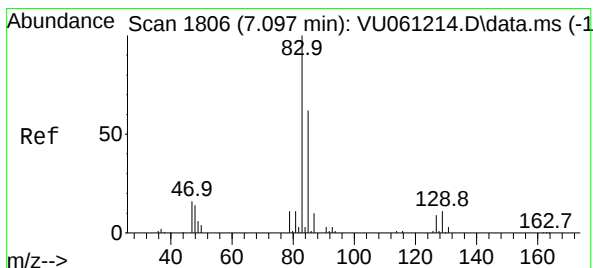
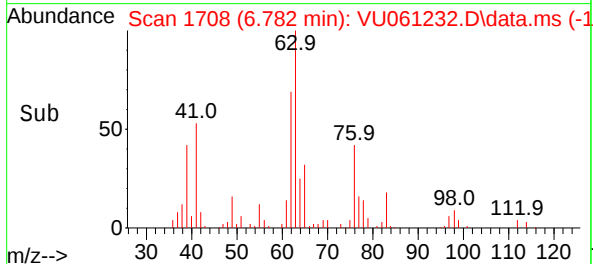
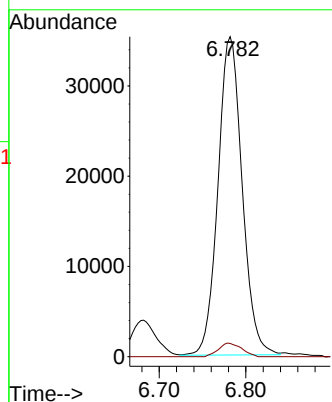
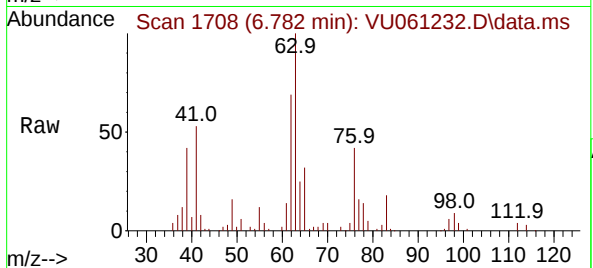




#37
1,2-Dichloropropane
Concen: 4.949 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

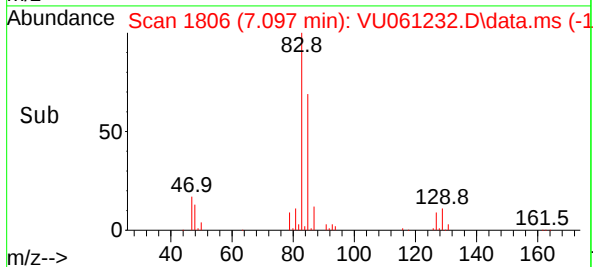
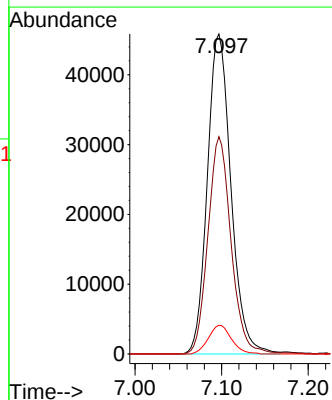
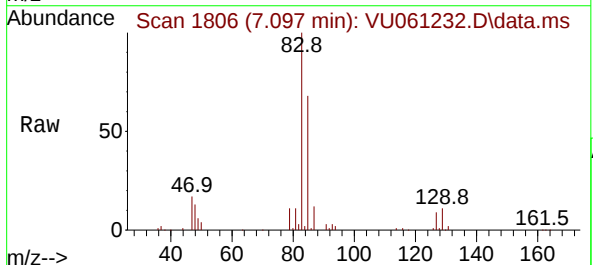
Instrument :
MSVOA_U
ClientSampleId :

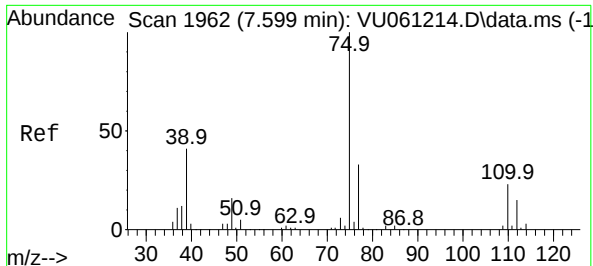
Tgt Ion: 63 Resp: 68462
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 4.971 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion: 83 Resp: 87019
Ion Ratio Lower Upper
83 100
85 67.9 43.8 81.4
127 9.0 7.4 11.0

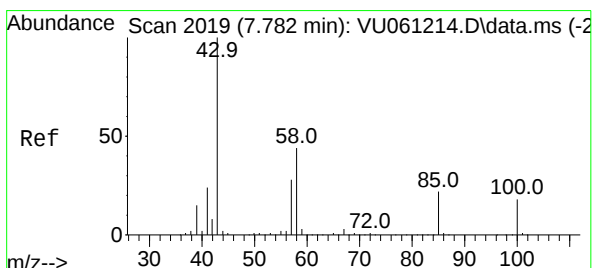
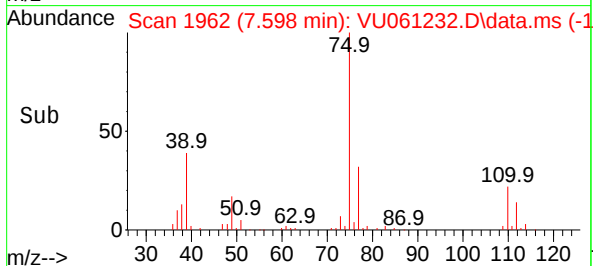
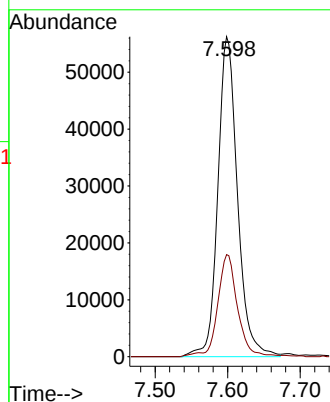
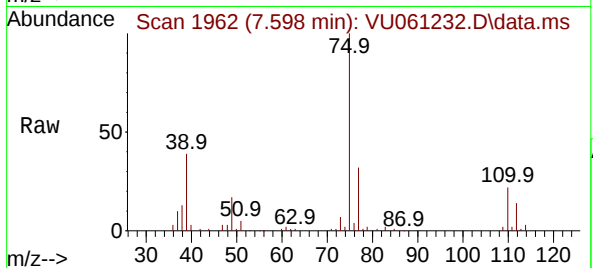




#39
 cis-1,3-Dichloropropene
 Concen: 4.956 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

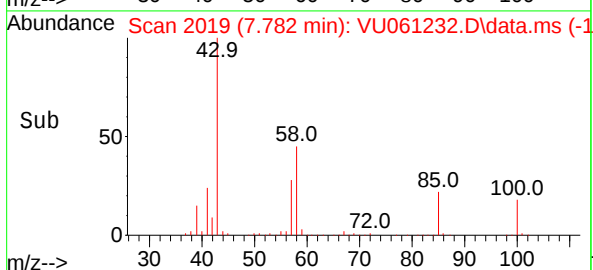
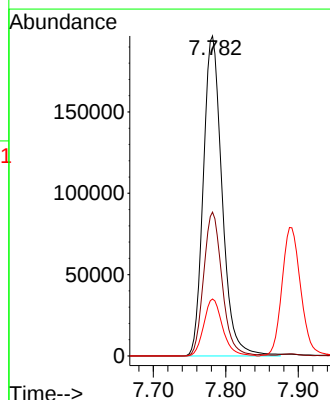
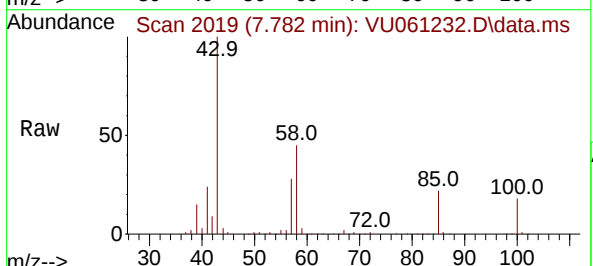
Instrument :
 MSVOA_U
 ClientSampleId :

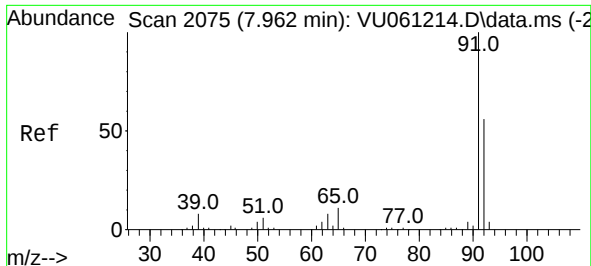
Tgt Ion: 75 Resp: 105894
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 51.406 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU061232.D
 Acq: 25 Oct 2024 17:12

Tgt Ion: 43 Resp: 353912
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.1 52.7
 100 17.8 14.0 21.0





#42

Toluene

Concen: 4.978 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

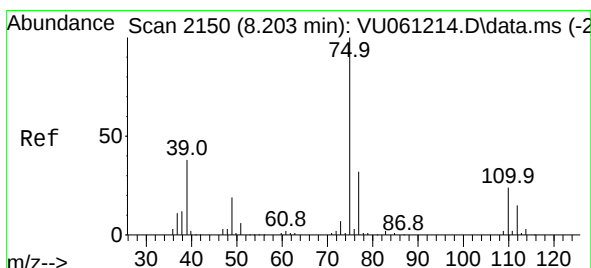
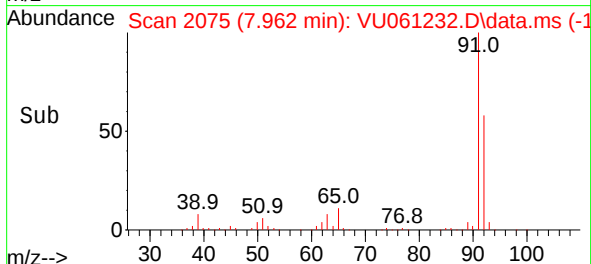
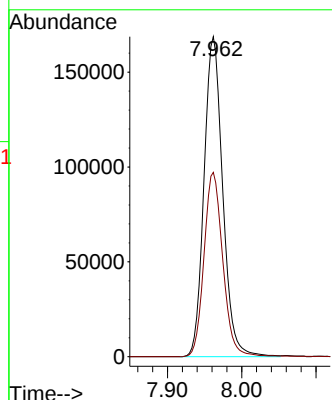
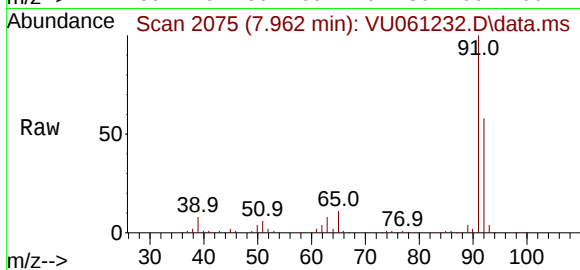
ClientSampleId :

Tgt Ion: 91 Resp: 295041

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU061232.D

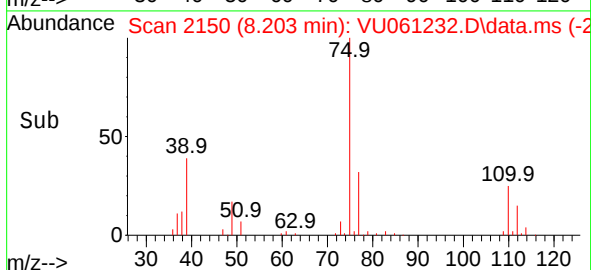
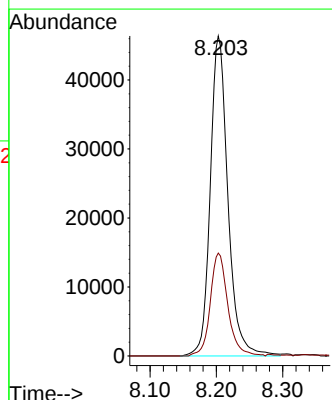
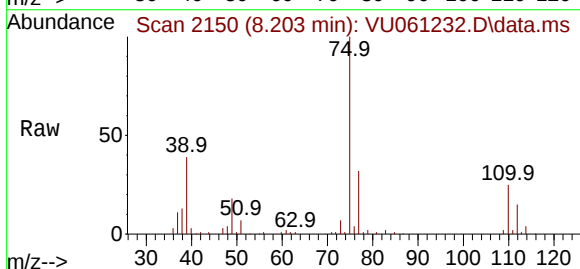
Acq: 25 Oct 2024 17:12

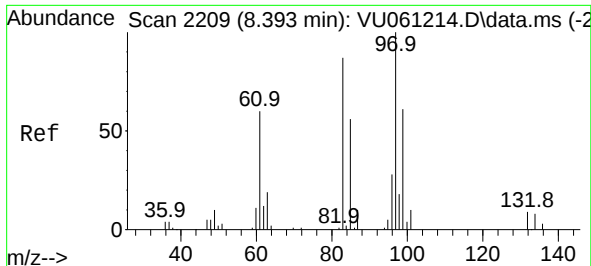
Tgt Ion: 75 Resp: 85679

Ion Ratio Lower Upper

75 100

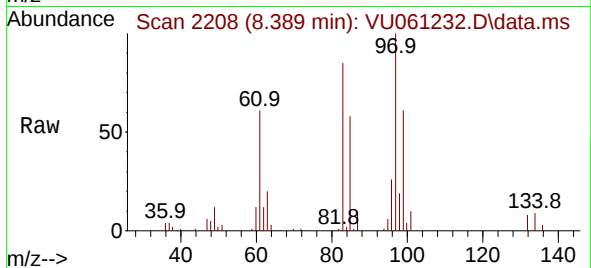
77 32.2 22.0 40.8





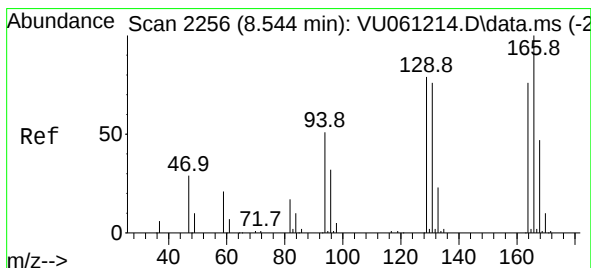
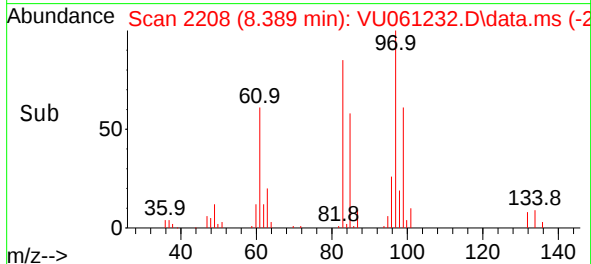
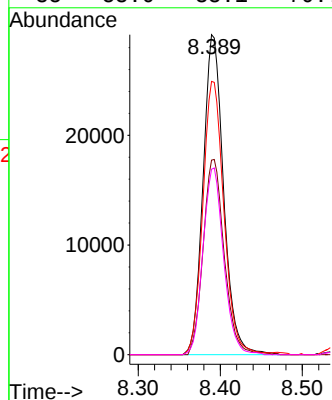
#45
1,1,2-Trichloroethane
Concen: 5.096 ug/L
RT: 8.389 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 50725

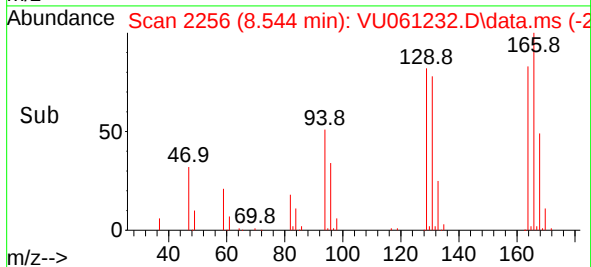
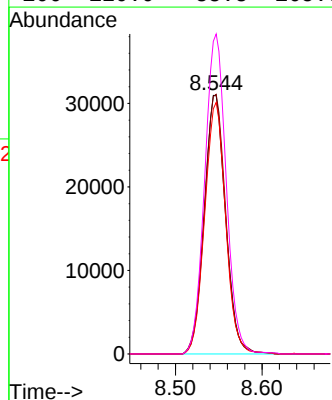
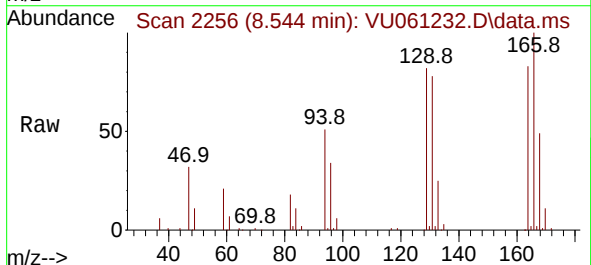
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.1	81.9
83	85.4	61.2	113.6
85	58.0	38.1	70.7

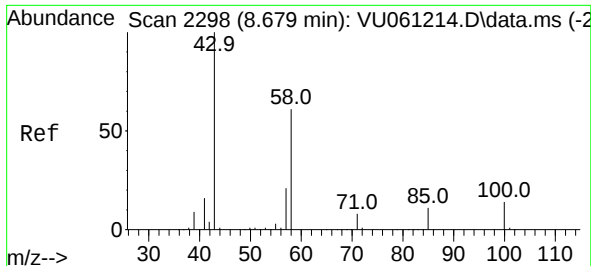


#47
Tetrachloroethene
Concen: 5.079 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion: 164 Resp: 52663

Ion	Ratio	Lower	Upper
164	100		
129	99.6	69.9	129.7
131	94.8	68.3	126.8
166	120.9	88.8	165.0





#48

2-Hexanone

Concen: 52.389 ug/L

RT: 8.676 min Scan# 2298

Delta R.T. -0.003 min

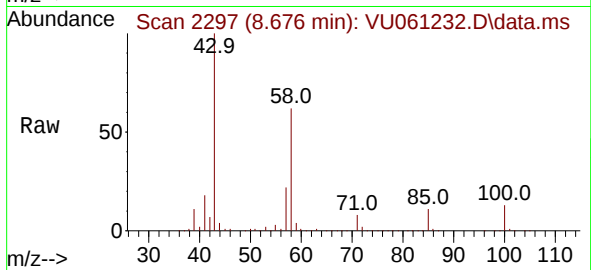
Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 255056

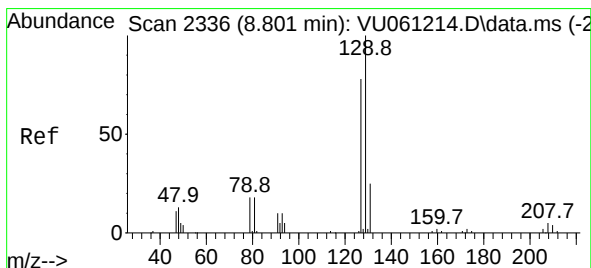
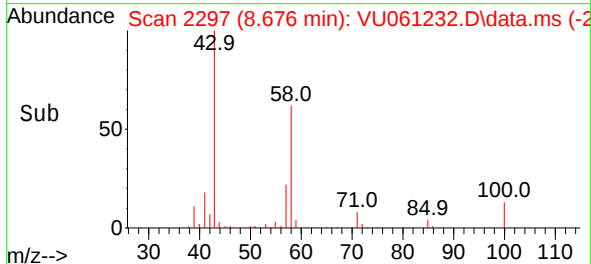
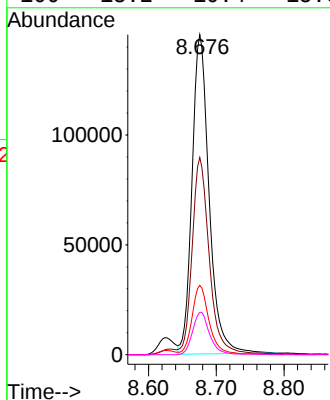
Ion Ratio Lower Upper

43 100

58 62.2 48.6 72.8

57 21.2 17.0 25.6

100 13.2 10.4 15.6



#49

Dibromochloromethane

Concen: 4.959 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061232.D

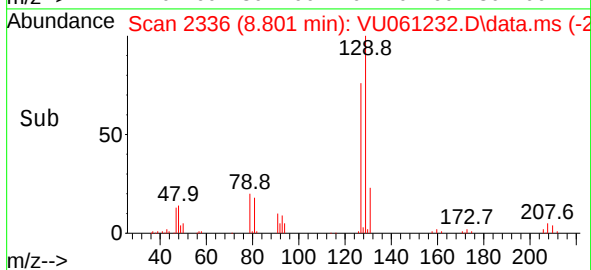
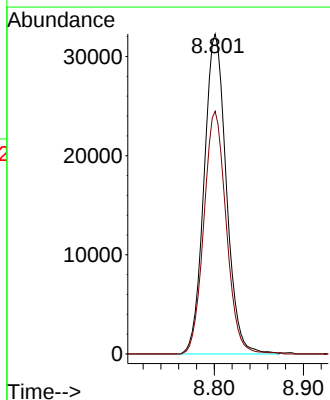
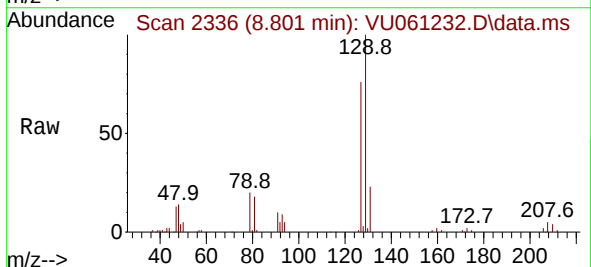
Acq: 25 Oct 2024 17:12

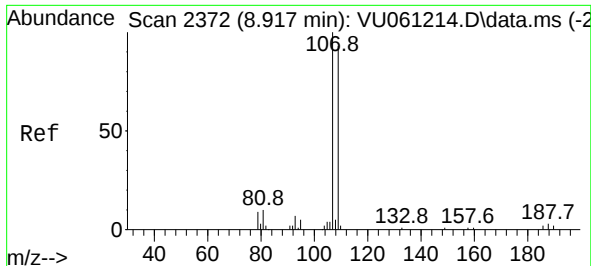
Tgt Ion: 129 Resp: 55995

Ion Ratio Lower Upper

129 100

127 75.9 51.8 96.2

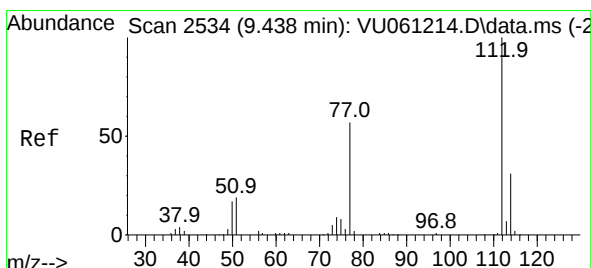
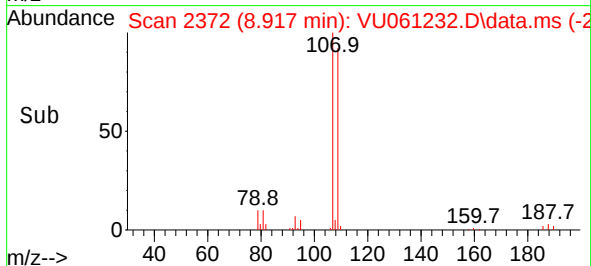
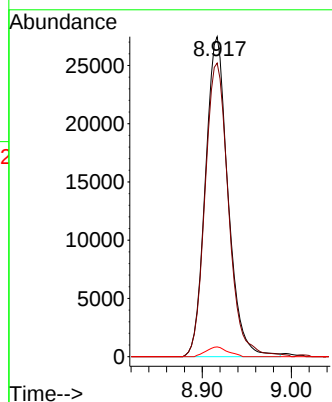
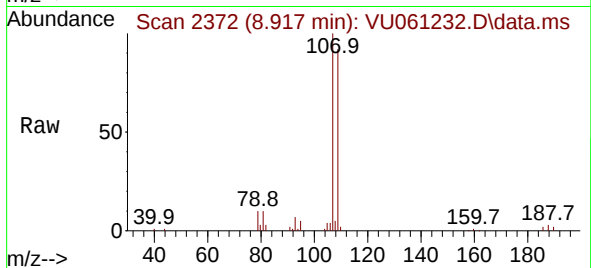




#50
1,2-Dibromoethane
Concen: 5.007 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

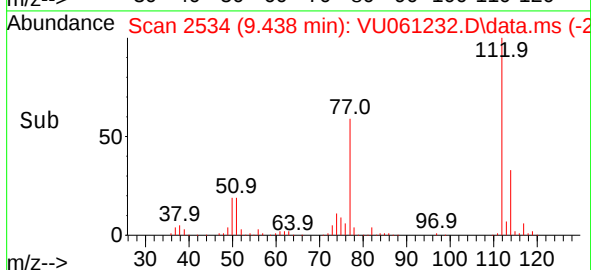
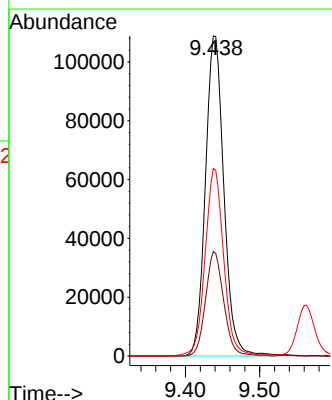
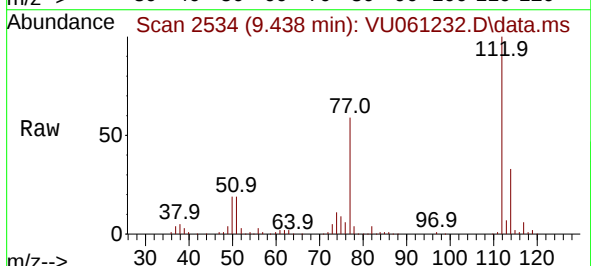
Instrument :
MSVOA_U
ClientSampleId :

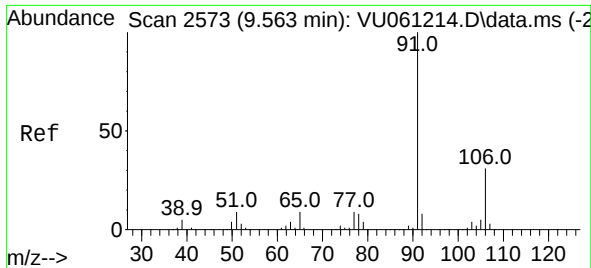
Tgt Ion:107 Resp: 48427
Ion Ratio Lower Upper
107 100
109 91.8 63.4 117.8
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 5.011 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion:112 Resp: 187718
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 58.5 47.1 70.7

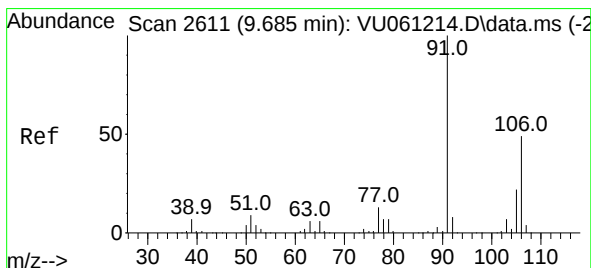
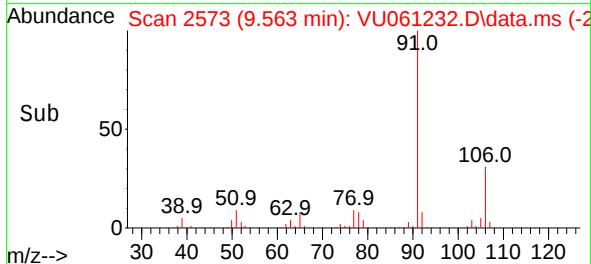
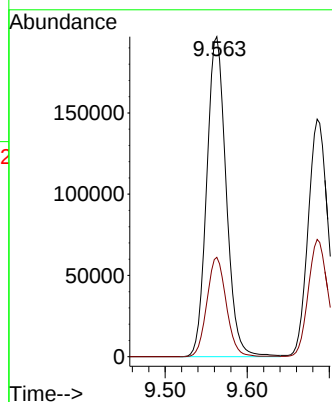
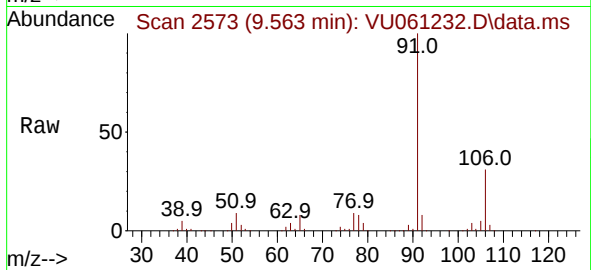




#52
Ethylbenzene
Concen: 4.963 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

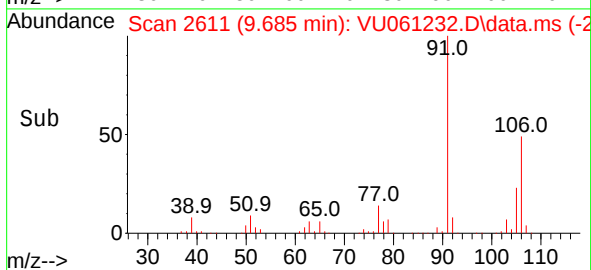
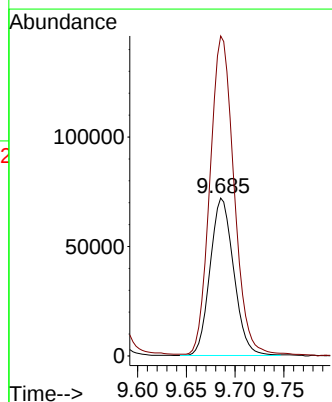
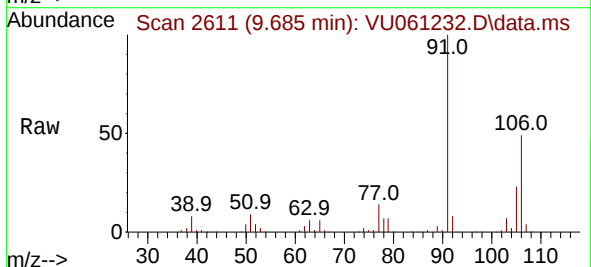
Instrument :
MSVOA_U
ClientSampleId :

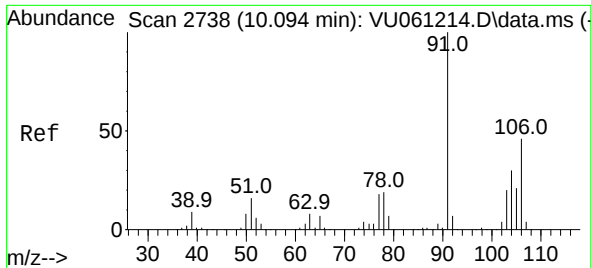
Tgt Ion: 91 Resp: 323547
Ion Ratio Lower Upper
91 100
106 31.0 22.0 41.0



#53
m,p-Xylene
Concen: 4.877 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion:106 Resp: 121125
Ion Ratio Lower Upper
106 100
91 202.6 145.7 270.7

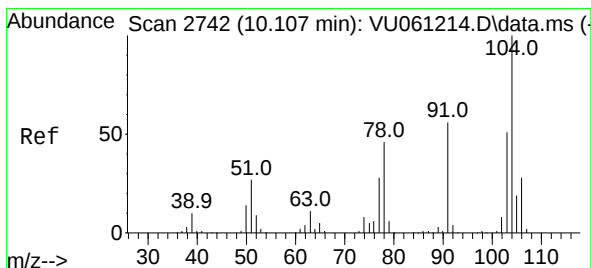
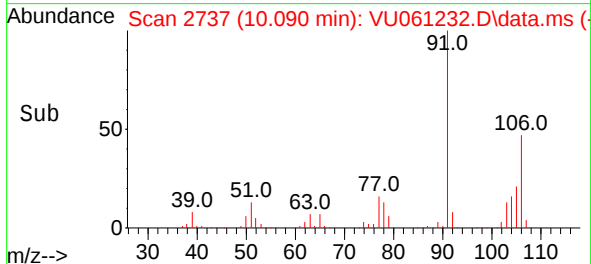
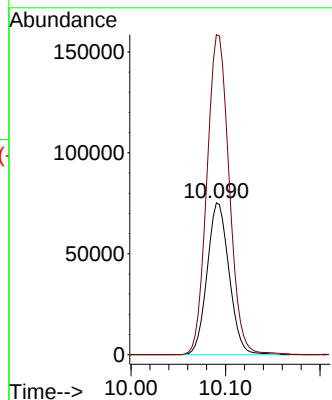
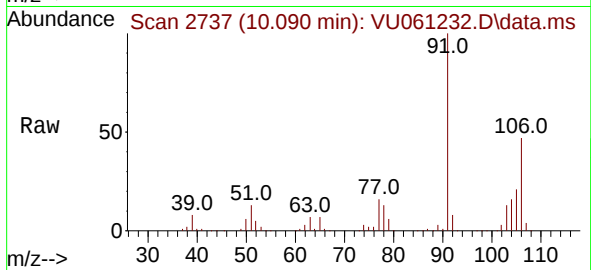




#54
o-Xylene
Concen: 4.955 ug/L
RT: 10.090 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

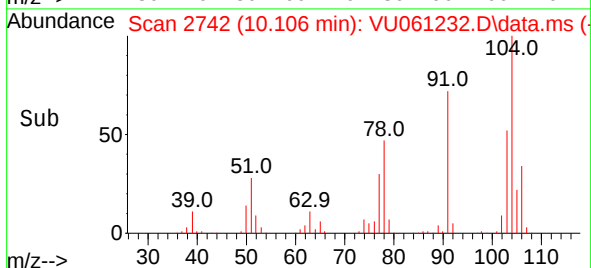
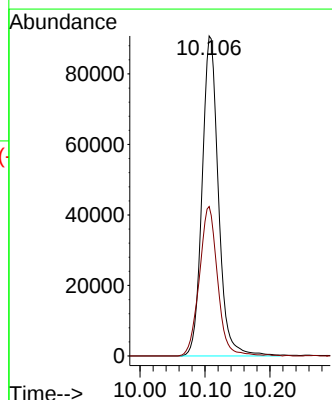
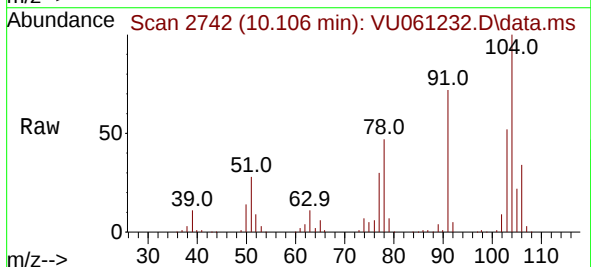
Instrument :
MSVOA_U
ClientSampleId :

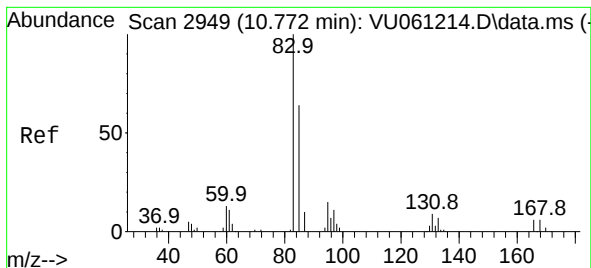
Tgt Ion:106 Resp: 121454
Ion Ratio Lower Upper
106 100
91 210.8 148.8 276.4



#55
Styrene
Concen: 4.043 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU061232.D
Acq: 25 Oct 2024 17:12

Tgt Ion:104 Resp: 158858
Ion Ratio Lower Upper
104 100
78 46.7 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.090 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

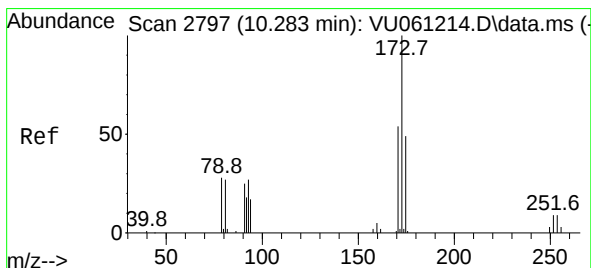
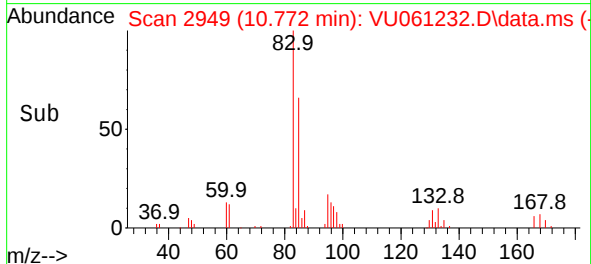
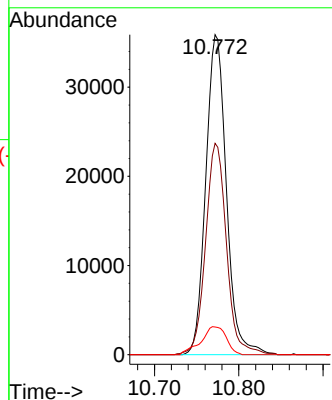
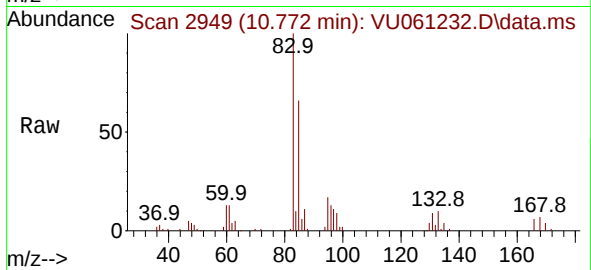
Tgt Ion: 83 Resp: 61059

Ion Ratio Lower Upper

83 100

85 66.0 45.3 84.1

131 8.6 7.6 11.4



#59

Bromoform

Concen: 4.892 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

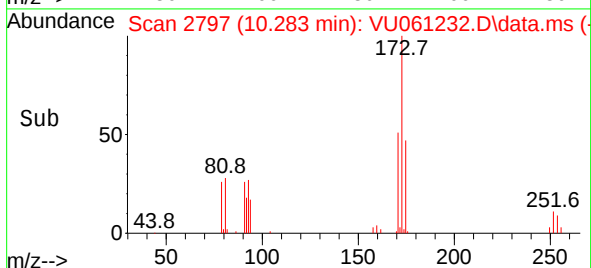
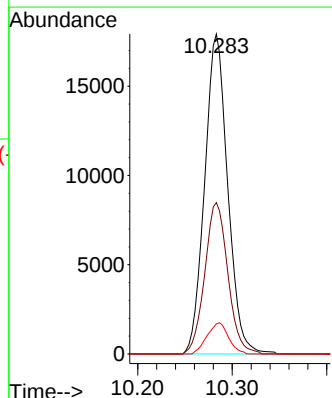
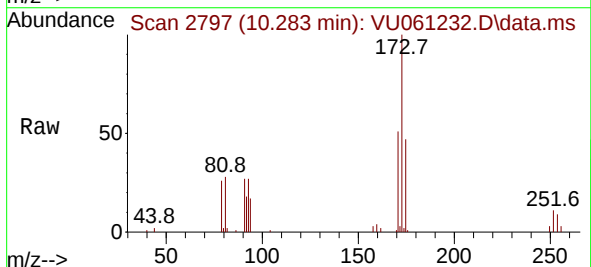
Tgt Ion:173 Resp: 30304

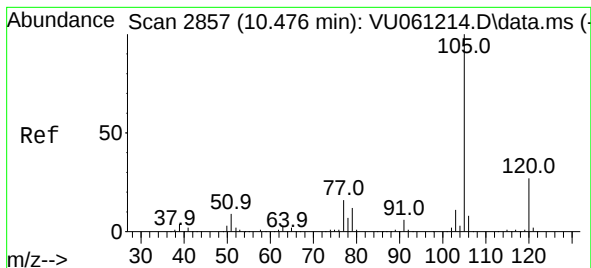
Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

254 9.1 6.8 10.2





#60

Isopropylbenzene

Concen: 4.973 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

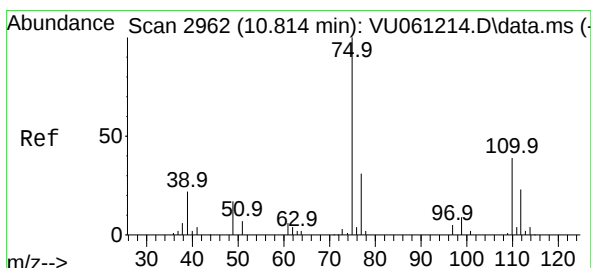
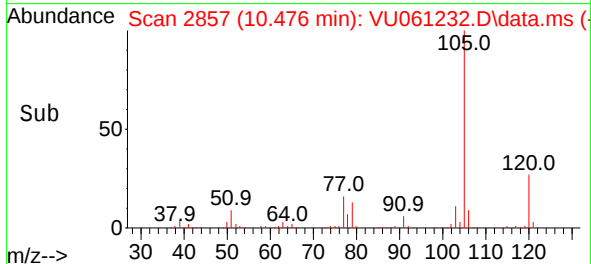
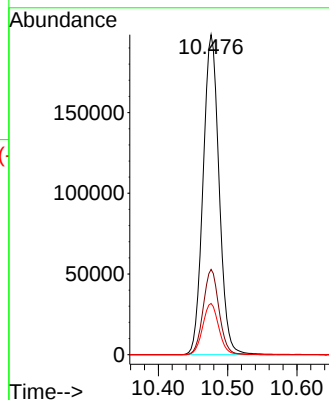
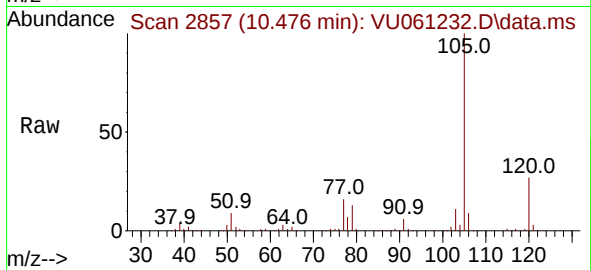
Tgt Ion:105 Resp: 317929

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 5.191 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

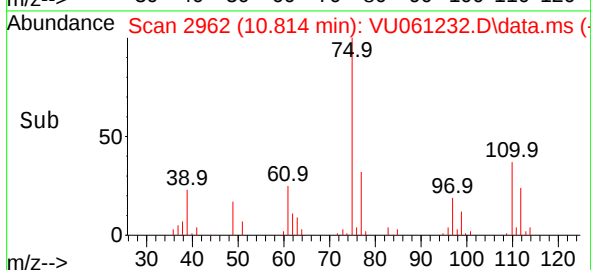
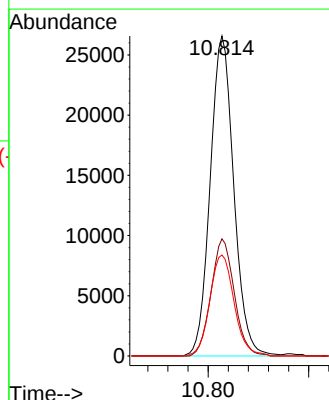
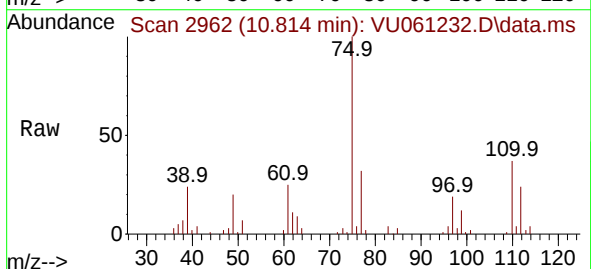
Tgt Ion: 75 Resp: 43273

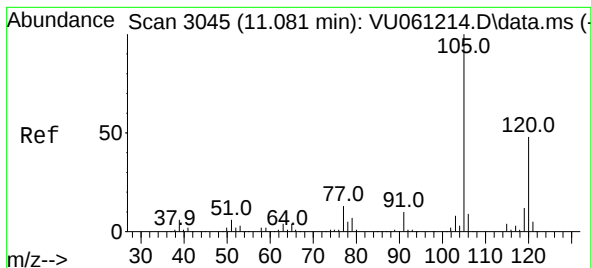
Ion Ratio Lower Upper

75 100

110 36.0 28.8 43.2

77 32.5 25.7 38.5





#62

1,3,5-Trimethylbenzene

Concen: 4.892 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

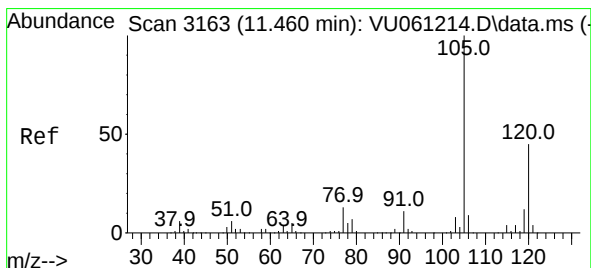
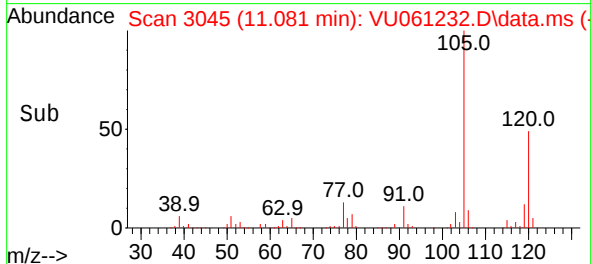
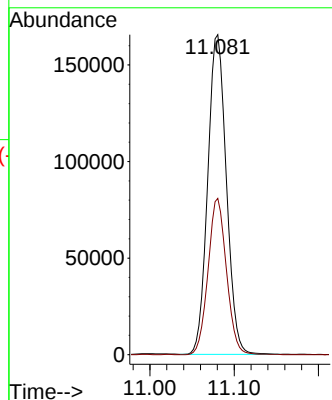
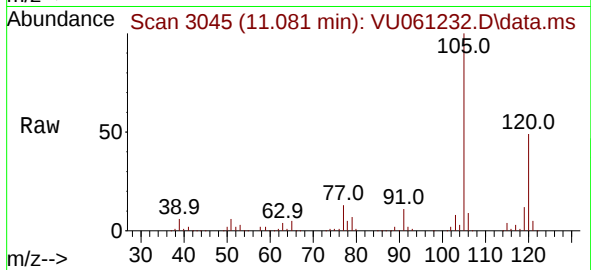
ClientSampleId :

Tgt Ion:105 Resp: 254617

Ion Ratio Lower Upper

105 100

120 48.4 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.932 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061232.D

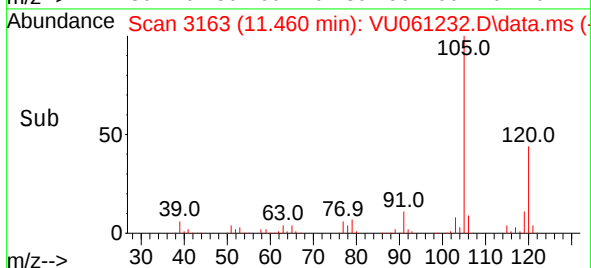
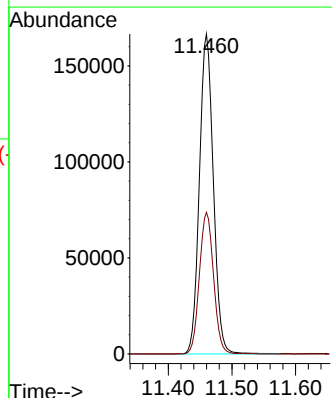
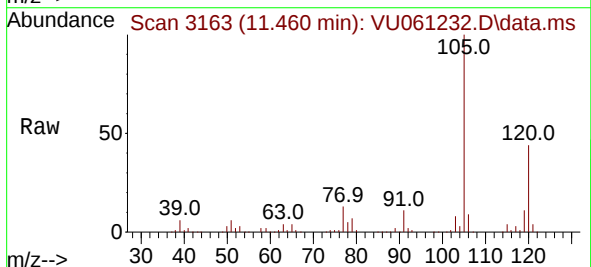
Acq: 25 Oct 2024 17:12

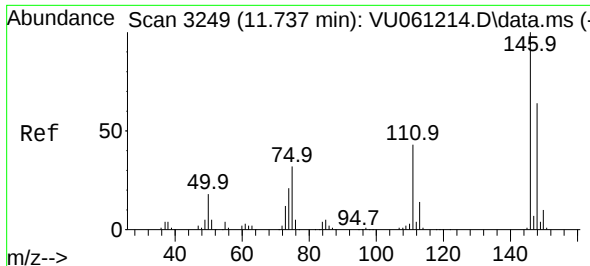
Tgt Ion:105 Resp: 253705

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 4.936 ug/L

RT: 11.736 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

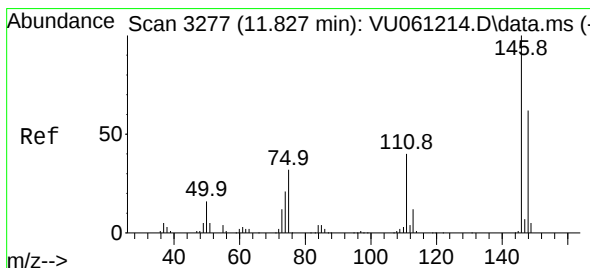
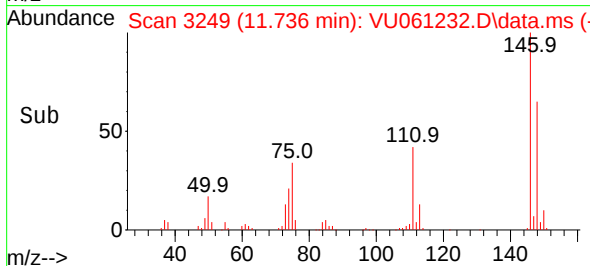
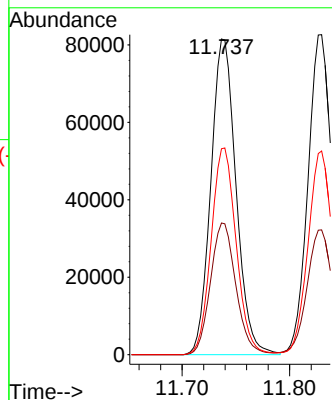
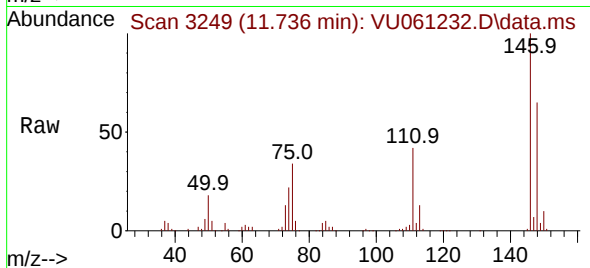
Tgt Ion:146 Resp: 132799

Ion Ratio Lower Upper

146 100

111 41.7 30.0 55.8

148 65.2 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

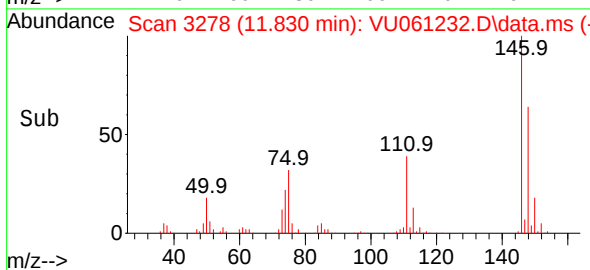
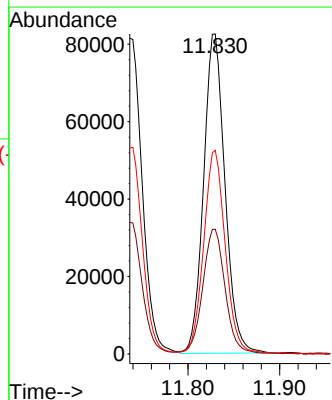
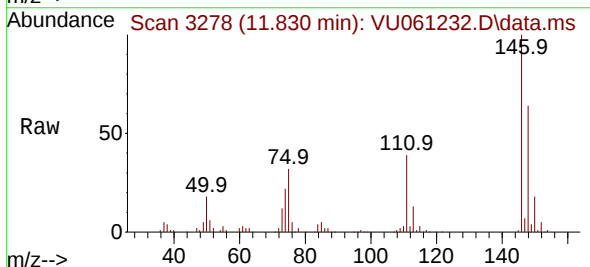
Tgt Ion:146 Resp: 133587

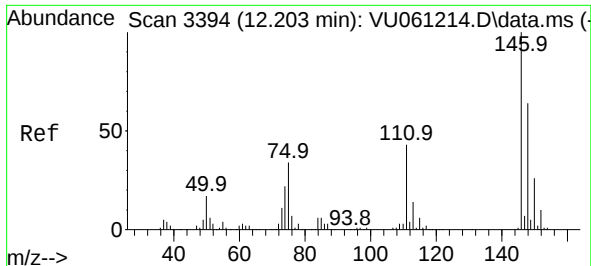
Ion Ratio Lower Upper

146 100

111 39.0 28.2 52.4

148 63.7 43.3 80.3





#67

1,2-Dichlorobenzene

Concen: 4.935 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

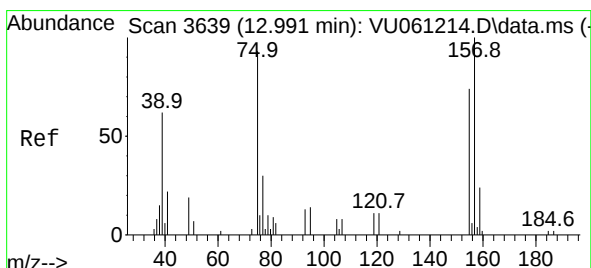
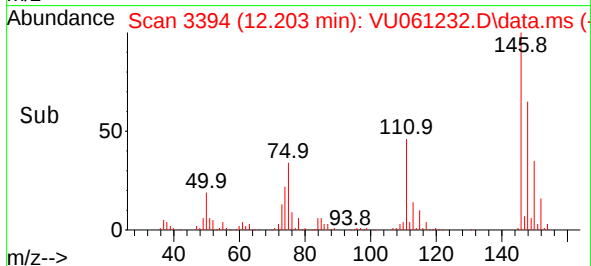
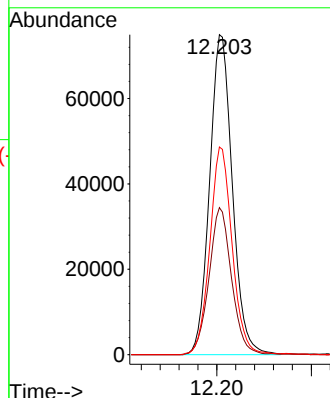
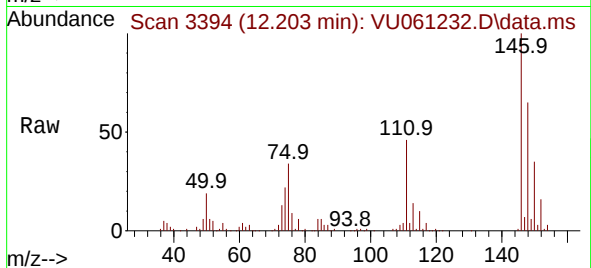
Tgt Ion:146 Resp: 124962

Ion Ratio Lower Upper

146 100

111 46.0 35.2 52.8

148 64.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.833 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

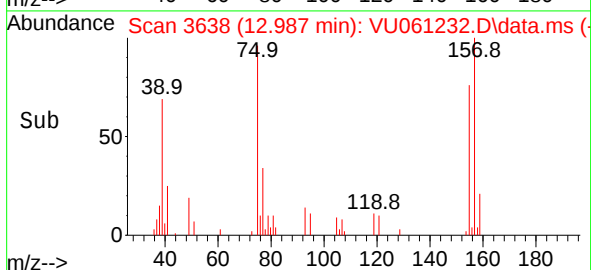
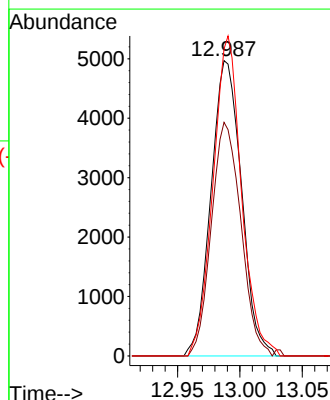
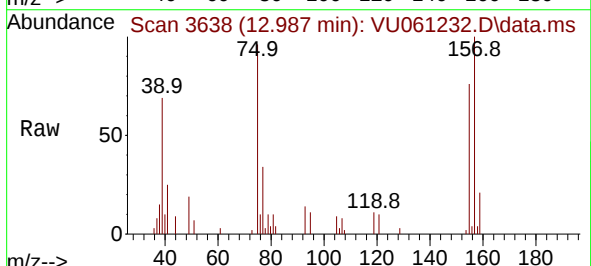
Tgt Ion: 75 Resp: 8459

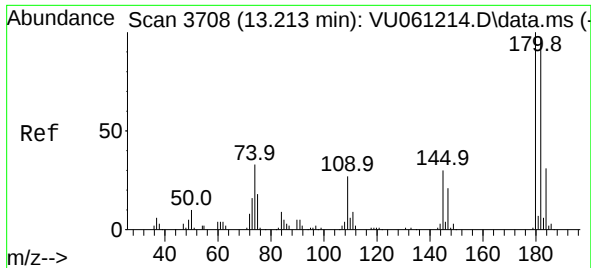
Ion Ratio Lower Upper

75 100

155 79.1 69.3 103.9

157 104.0 81.4 122.2





#69

1,3,5-Trichlorobenzene

Concen: 4.993 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

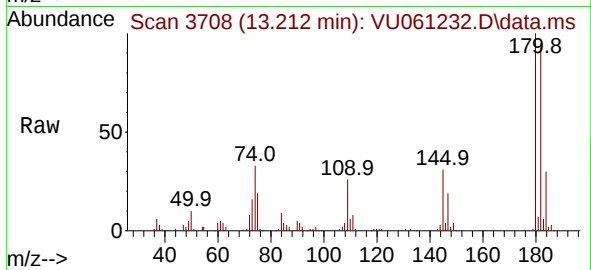
Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 92088

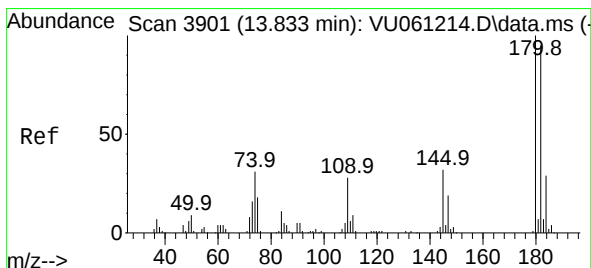
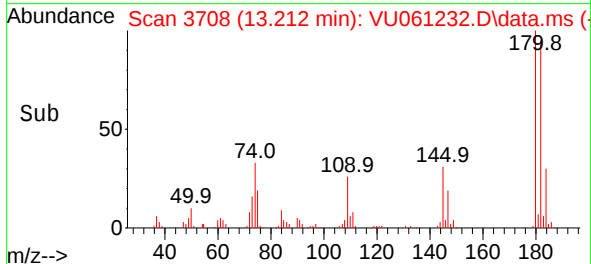
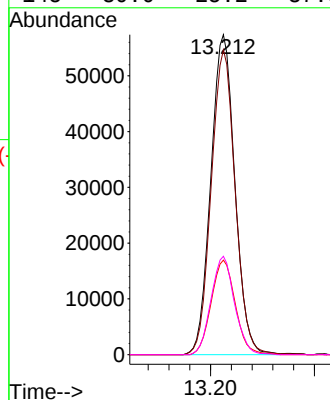
Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

184 29.6 24.4 36.6

145 30.0 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.894 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

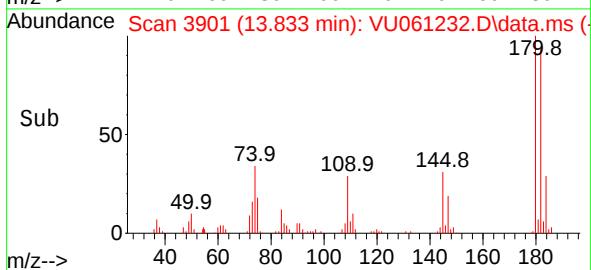
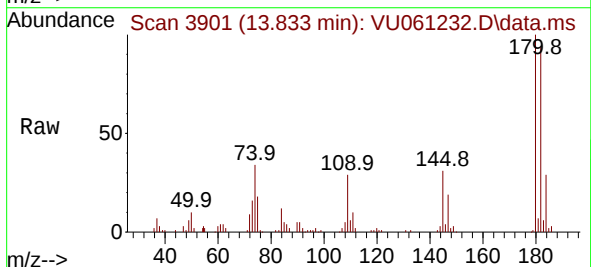
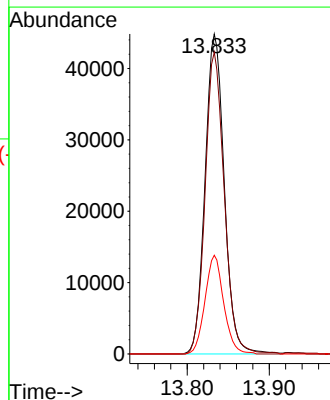
Tgt Ion:180 Resp: 72847

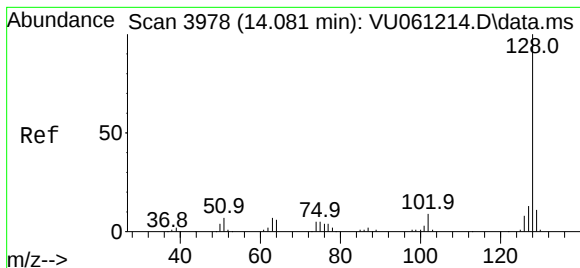
Ion Ratio Lower Upper

180 100

182 93.9 77.2 115.8

145 30.0 25.6 38.4





#71

Naphthalene

Concen: 4.692 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Instrument :

MSVOA_U

ClientSampleId :

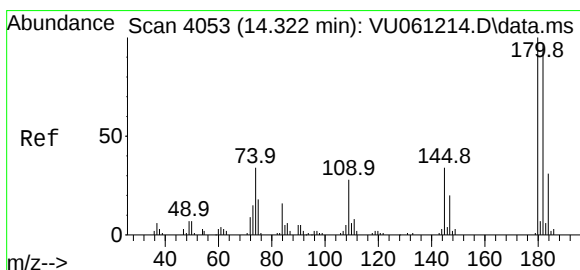
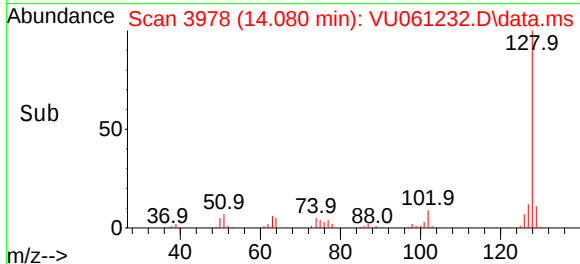
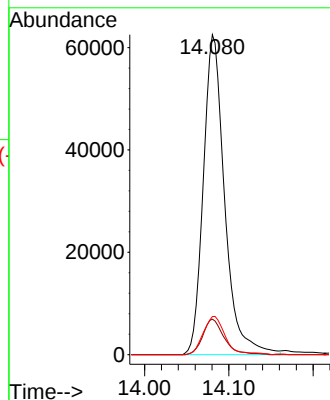
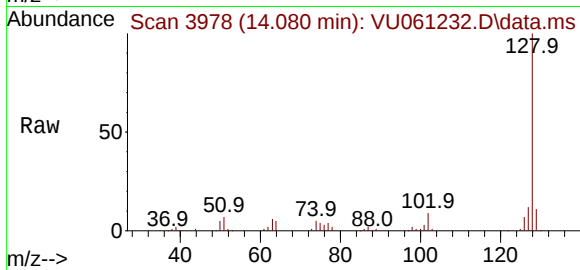
Tgt Ion:128 Resp: 110211

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 12.4 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.981 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU061232.D

Acq: 25 Oct 2024 17:12

Tgt Ion:180 Resp: 62021

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 32.5 26.5 39.7

