

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121724\
 Data File : VU062399.D
 Acq On : 17 Dec 2024 19:43
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 00:18:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 18 00:11:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	92626	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88164	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	47284	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	28124	4.501	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.907	69	22367	5.033	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.600%
11) 1,1-Dichloroethene-d2	2.560	65	13874	4.668	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.624	46	60123	50.213	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.420%
24) Chloroform-d	5.052	84	69341	5.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.692	65	35672	5.365	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.718	84	122643	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.679	67	34917	4.806	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.200%
41) Toluene-d8	7.888	98	118838	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.174	79	15881	4.966	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.624	63	46782	48.489	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	29119	5.151	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	45012	5.166	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	39369	4.537	ug/L	98
3) Chloromethane	1.515	50	31193	4.586	ug/L	98
5) Vinyl chloride	1.599	62	34022	4.805	ug/L	97
6) Bromomethane	1.853	94	21784	4.615	ug/L	96
8) Chloroethane	1.930	64	19345	4.878	ug/L	99
9) Trichlorofluoromethane	2.133	101	60763	4.944	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	29732	4.444	ug/L #	88
12) 1,1-Dichloroethene	2.573	96	30009	4.798	ug/L	88
13) Acetone	2.641	43	43743	53.656	ug/L	97
14) Carbon disulfide	2.785	76	83848	4.240	ug/L	99
15) Methyl Acetate	2.952	43	9891	4.841	ug/L #	85
16) Methylene chloride	3.039	84	33604	5.119	ug/L	89
17) Methyl tert-butyl Ether	3.354	73	78898	5.064	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	31011	4.826	ug/L	92
19) 1,1-Dichloroethane	3.856	63	58529	4.969	ug/L	98
21) 2-Butanone	4.702	43	63112	53.306	ug/L	91
22) cis-1,2-Dichloroethene	4.657	96	35902	4.985	ug/L	92
23) Bromochloromethane	4.968	128	17821	5.645	ug/L #	73
25) Chloroform	5.078	83	71184	5.365	ug/L	97

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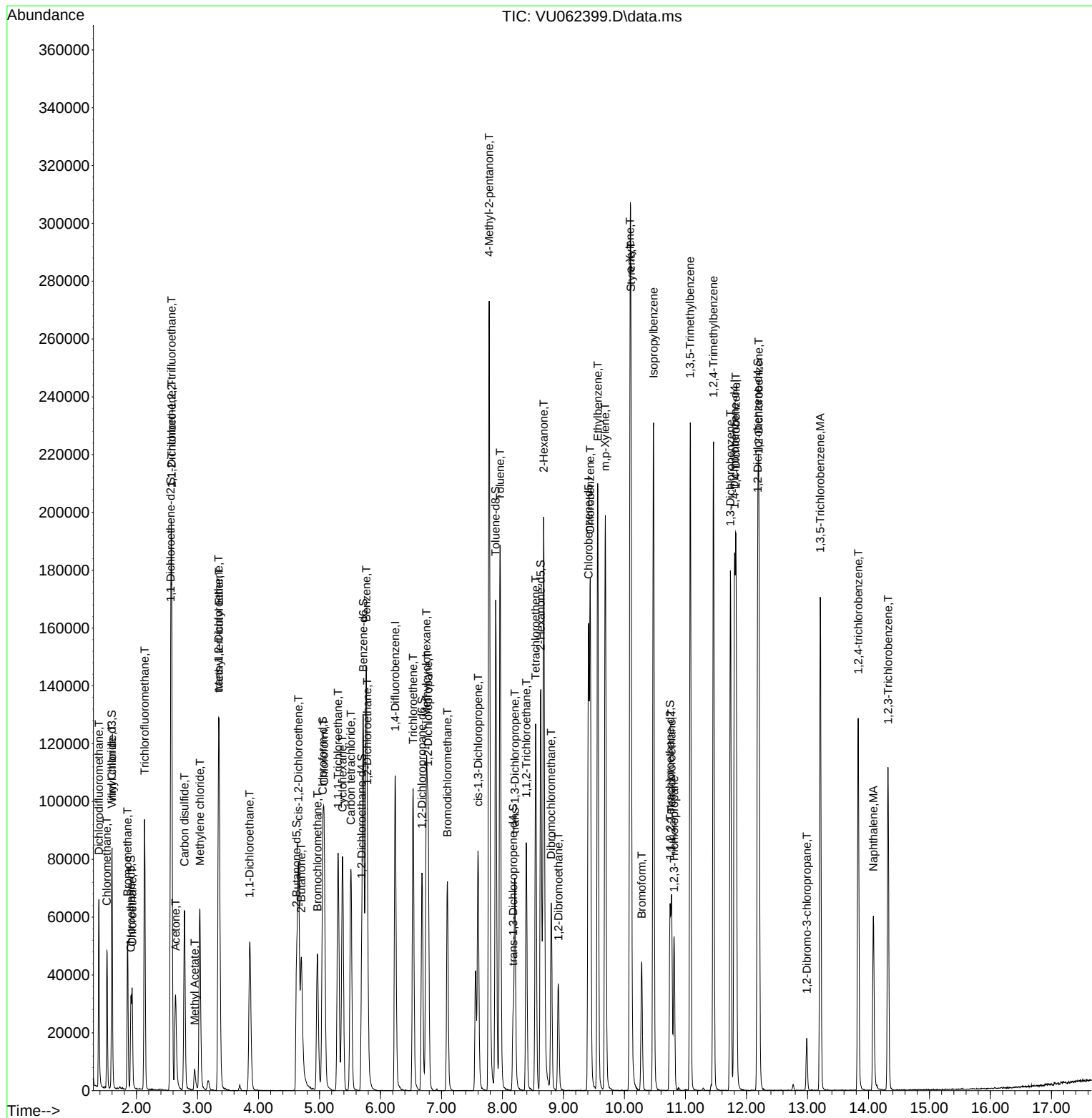
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	44553	5.285	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	64289	5.183	ug/L	95
30) Cyclohexane	5.377	56	37961	3.775	ug/L	89
31) Carbon tetrachloride	5.515	117	56762	4.991	ug/L	100
33) Benzene	5.766	78	134062	4.907	ug/L	100
34) Trichloroethene	6.534	95	36968	4.777	ug/L	96
35) Methylcyclohexane	6.753	83	45282	3.946	ug/L	93
37) 1,2-Dichloropropane	6.782	63	33281	5.002	ug/L	98
38) Bromodichloromethane	7.097	83	48733	5.191	ug/L #	94
39) cis-1,3-Dichloropropene	7.599	75	53271	4.995	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	157916	50.641	ug/L #	92
42) Toluene	7.962	91	141333	4.797	ug/L	94
44) trans-1,3-Dichloropropene	8.203	75	44970	5.164	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	26937	5.363	ug/L	97
47) Tetrachloroethene	8.544	164	28919	4.840	ug/L	93
48) 2-Hexanone	8.676	43	117647	51.050	ug/L #	94
49) Dibromochloromethane	8.798	129	34230	5.640	ug/L	92
50) 1,2-Dibromoethane	8.917	107	25940	5.375	ug/L	94
51) Chlorobenzene	9.438	112	93960	4.977	ug/L	96
52) Ethylbenzene	9.563	91	153971	4.661	ug/L	100
53) m,p-Xylene	9.685	106	57866	4.745	ug/L	95
54) o-Xylene	10.090	106	58956	4.971	ug/L	96
55) Styrene	10.107	104	96888	4.955	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.772	83	30063	5.143	ug/L #	97
59) Bromoform	10.283	173	21120	5.684	ug/L	98
60) Isopropylbenzene	10.476	105	152820	4.474	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	22190	5.075	ug/L	96
62) 1,3,5-Trimethylbenzene	11.078	105	129116	4.467	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	128466	4.536	ug/L	98
64) 1,3-Dichlorobenzene	11.737	146	74762	4.765	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	73975	4.682	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	71504	4.931	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	5177	5.428	ug/L	83
69) 1,3,5-Trichlorobenzene	13.209	180	55140	4.728	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	41721	4.531	ug/L	97
71) Naphthalene	14.081	128	56684	4.099	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	36451	4.488	ug/L	98

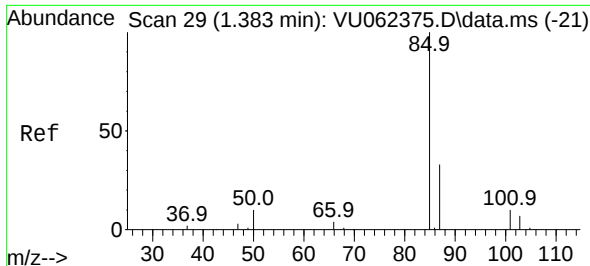
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Instrument :
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ClientSampleId :

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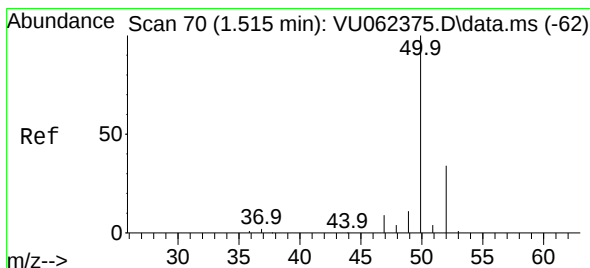
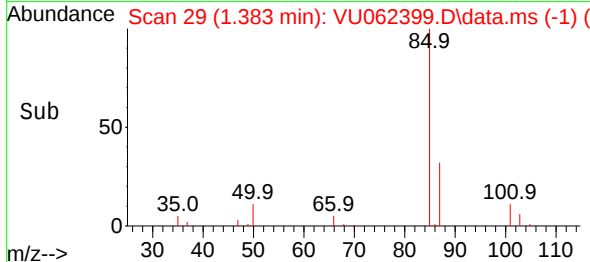
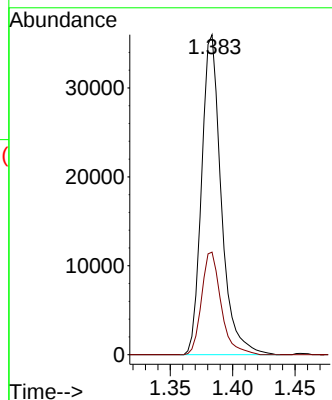
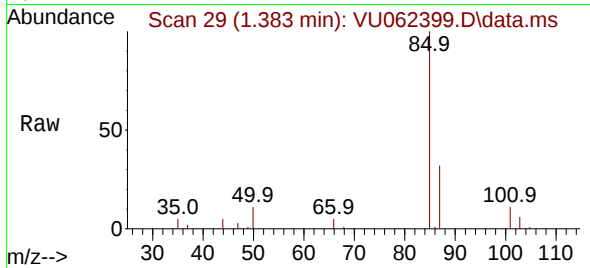




#2
 Dichlorodifluoromethane
 Concen: 4.537 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

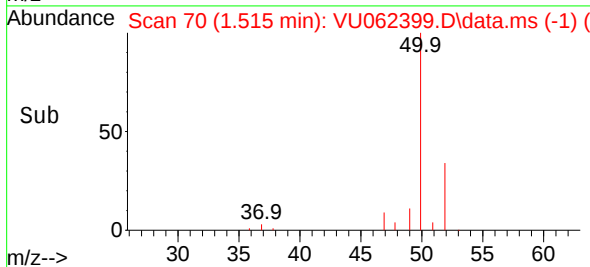
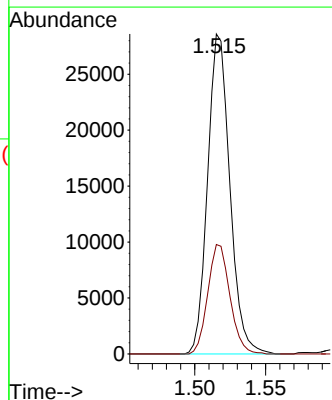
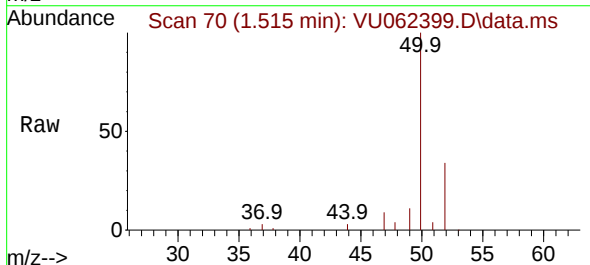
Instrument :
 MSVOA_U
 ClientSampleId :

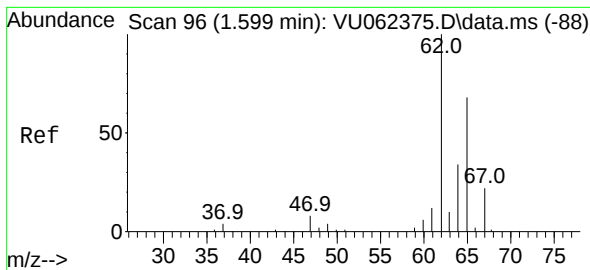
Tgt Ion: 85 Resp: 39369
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.6 40.0



#3
 Chloromethane
 Concen: 4.586 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Tgt Ion: 50 Resp: 31193
 Ion Ratio Lower Upper
 50 100
 52 34.2 23.1 42.9

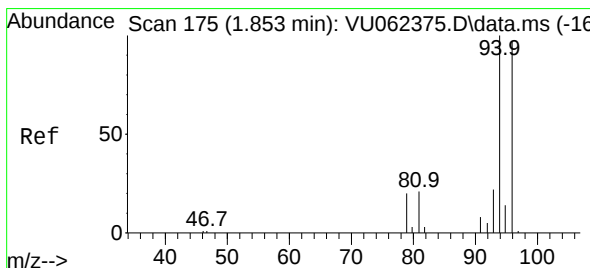
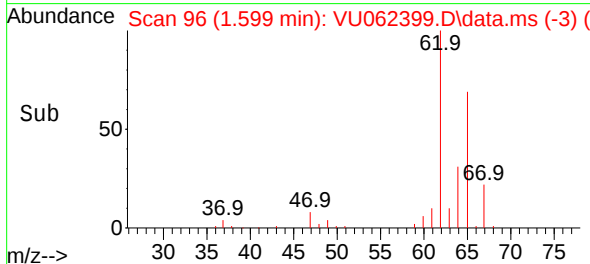
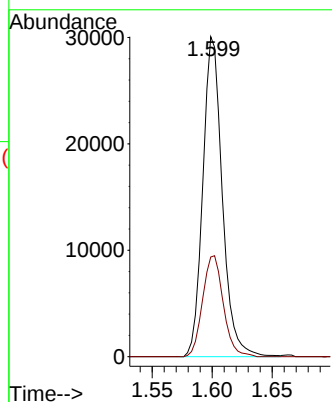
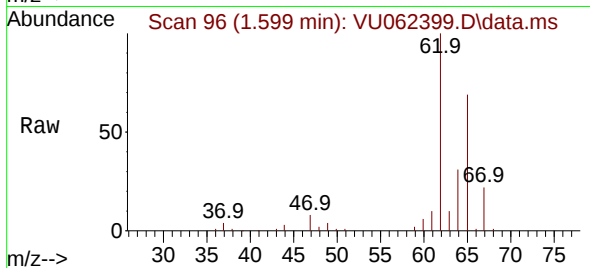




#5
 Vinyl chloride
 Concen: 4.805 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

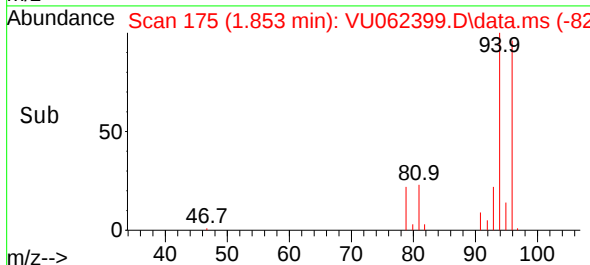
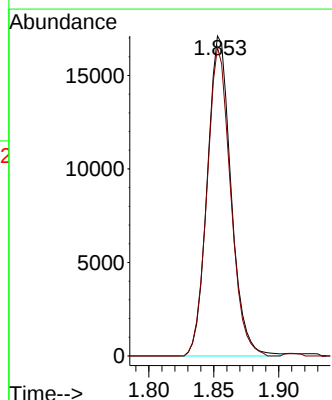
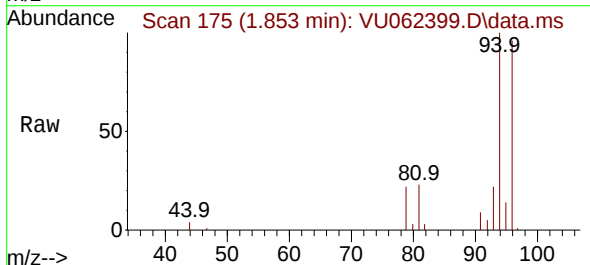
Instrument :
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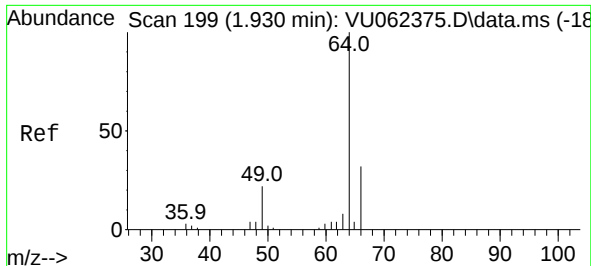
Tgt Ion: 62 Resp: 34022
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.1 42.9



#6
 Bromomethane
 Concen: 4.615 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Tgt Ion: 94 Resp: 21784
 Ion Ratio Lower Upper
 94 100
 96 96.5 64.5 119.9

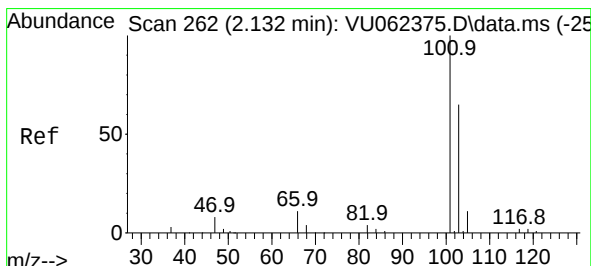
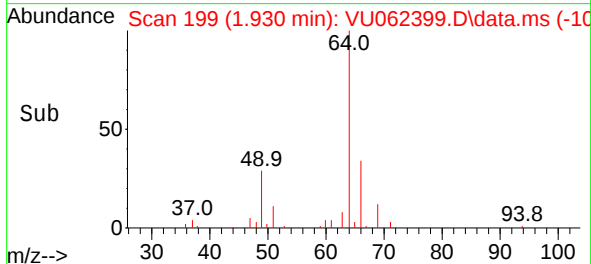
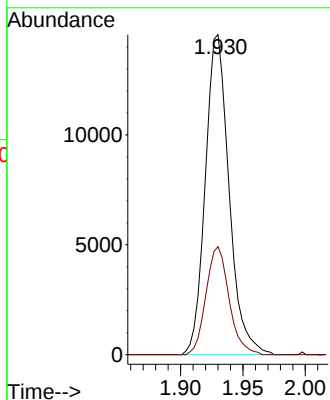
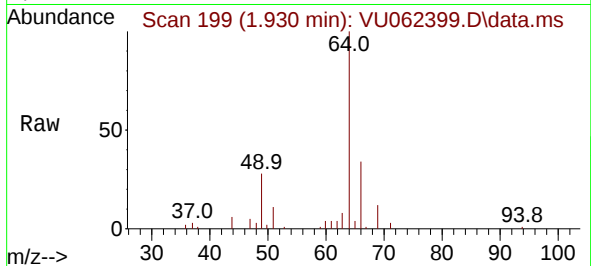




#8
Chloroethane
Concen: 4.878 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

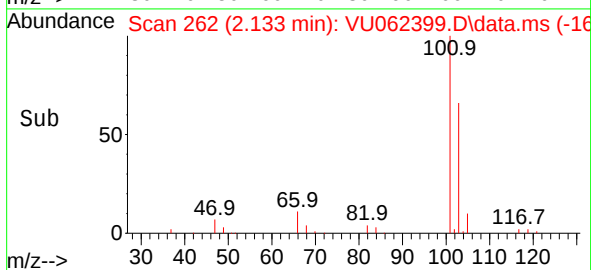
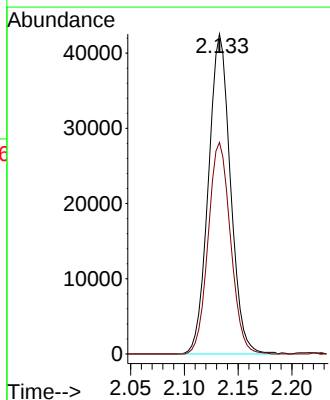
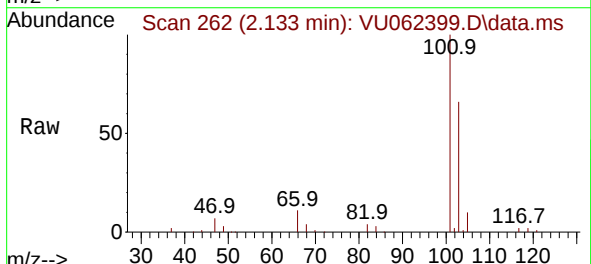
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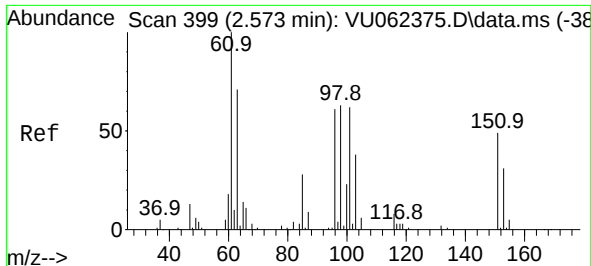
Tgt Ion: 64 Resp: 19345
Ion Ratio Lower Upper
64 100
66 33.8 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.944 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:101 Resp: 60763
Ion Ratio Lower Upper
101 100
103 66.8 50.6 75.8

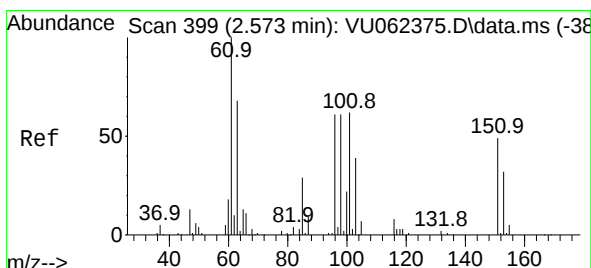
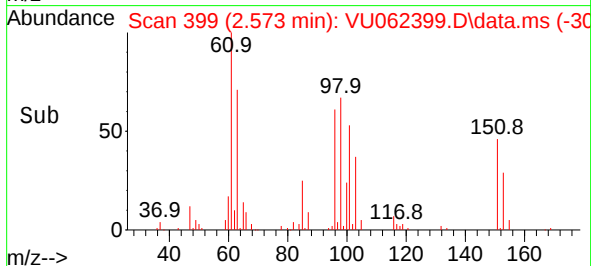
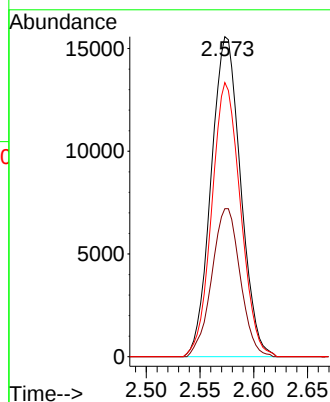
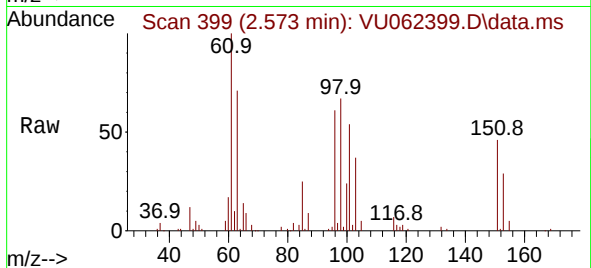




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.444 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

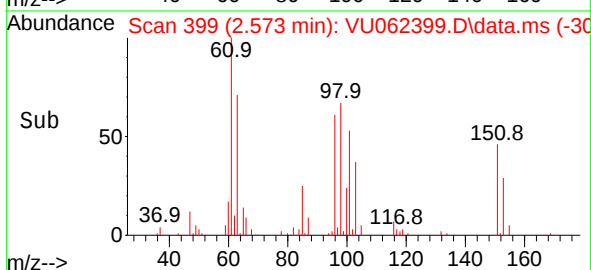
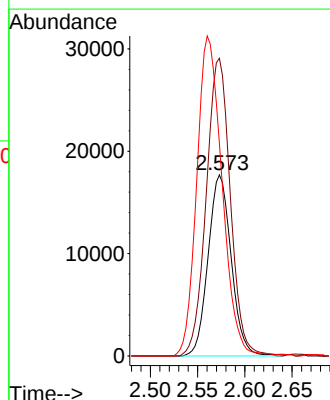
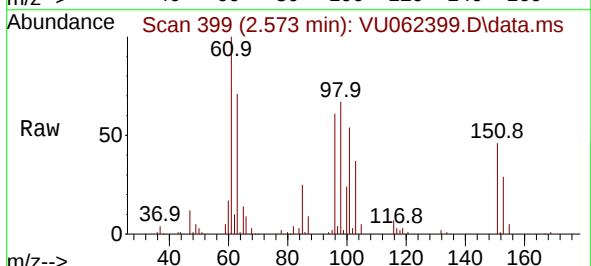
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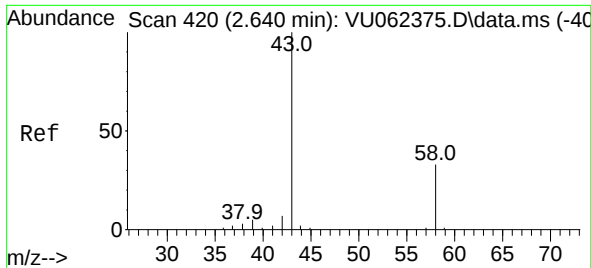
Tgt Ion:101 Resp: 29732
Ion Ratio Lower Upper
101 100
85 44.6 38.0 57.0
151 83.3 55.3 82.9#



#12
1,1-Dichloroethene
Concen: 4.798 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion: 96 Resp: 30009
Ion Ratio Lower Upper
96 100
61 164.4 119.6 222.2
63 117.4 65.0 120.6





#13

Acetone

Concen: 53.656 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

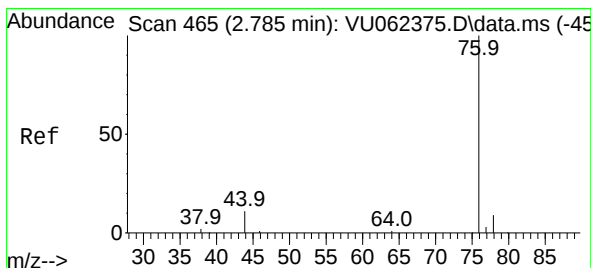
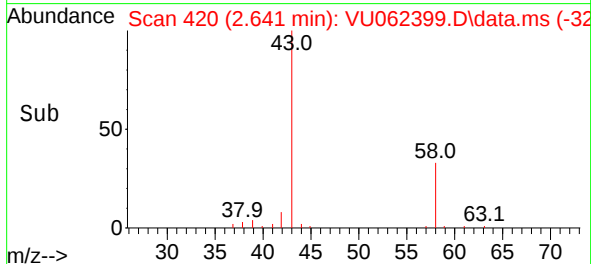
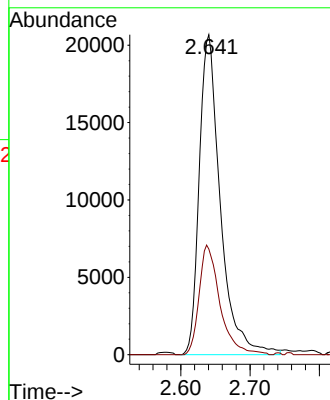
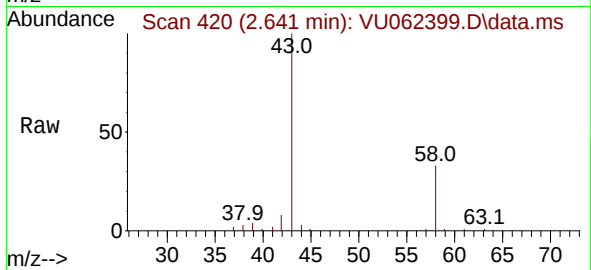
ClientSampleId :

Tgt Ion: 43 Resp: 43743

Ion Ratio Lower Upper

43 100

58 33.8 0.0 64.0



#14

Carbon disulfide

Concen: 4.240 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062399.D

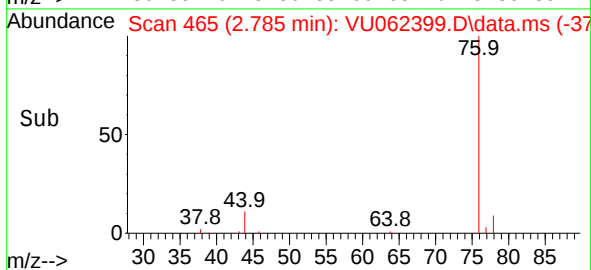
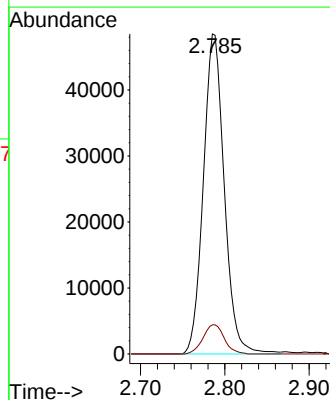
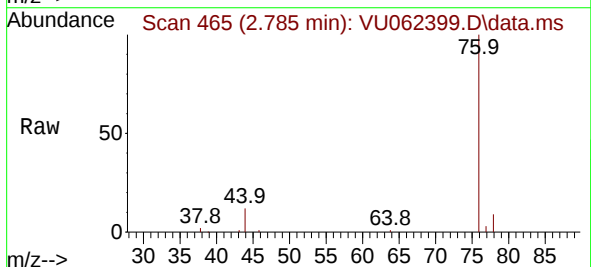
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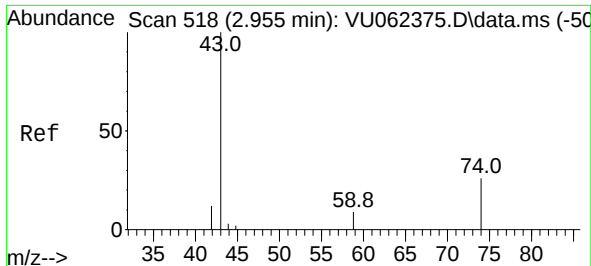
Tgt Ion: 76 Resp: 83848

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 4.841 ug/L

RT: 2.952 min Scan# 518

Delta R.T. -0.003 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

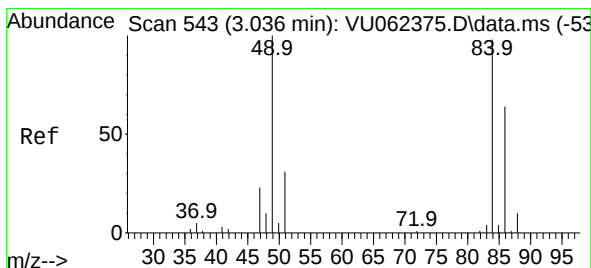
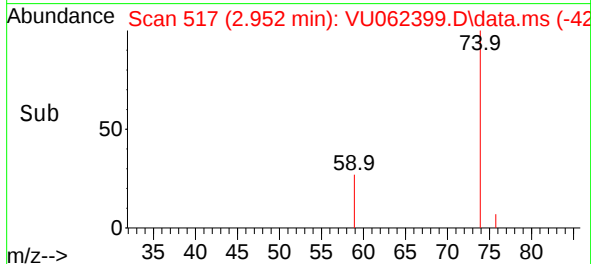
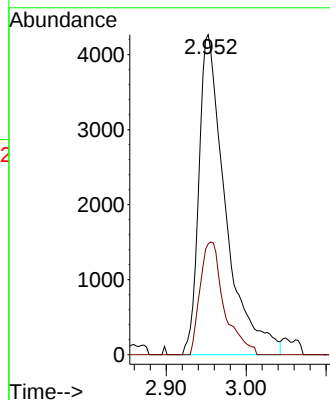
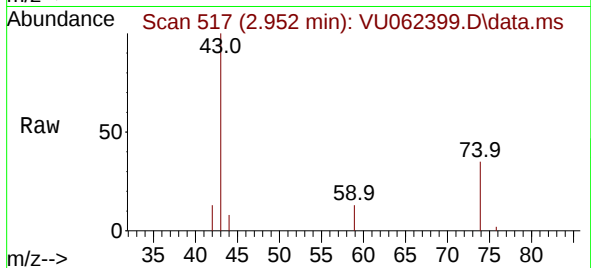
ClientSampleId :

Tgt Ion: 43 Resp: 9891

Ion Ratio Lower Upper

43 100

74 31.7 19.4 29.2#



#16

Methylene chloride

Concen: 5.119 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

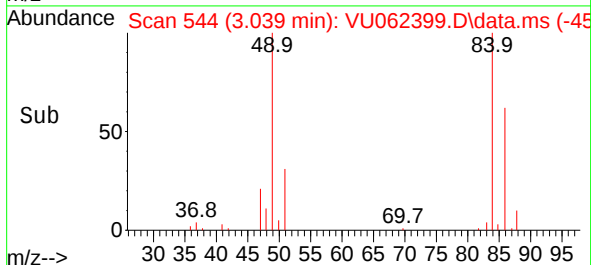
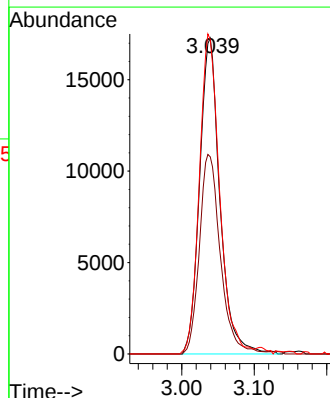
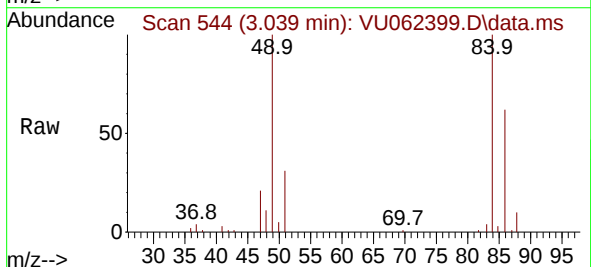
Tgt Ion: 84 Resp: 33604

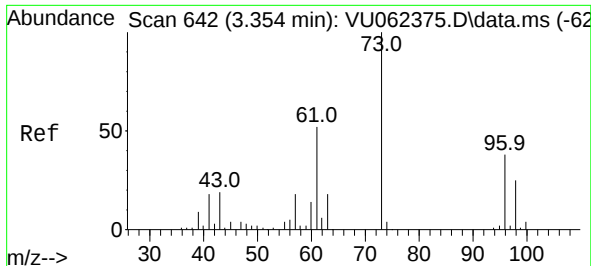
Ion Ratio Lower Upper

84 100

86 62.4 43.5 80.7

49 99.5 81.9 152.1

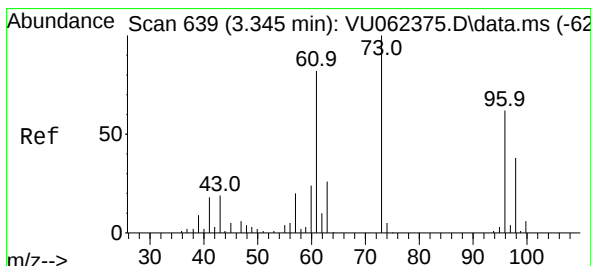
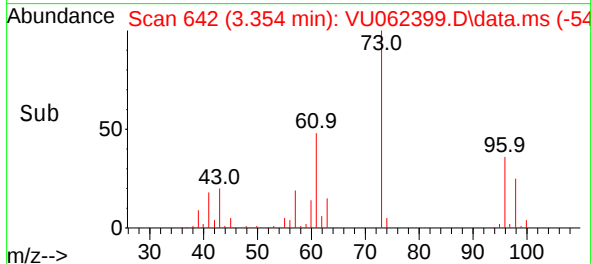
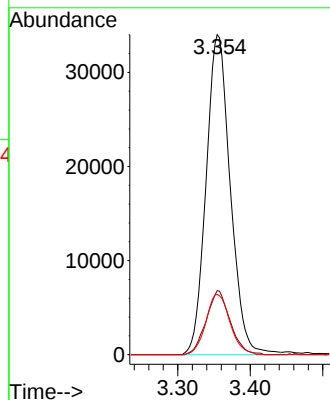
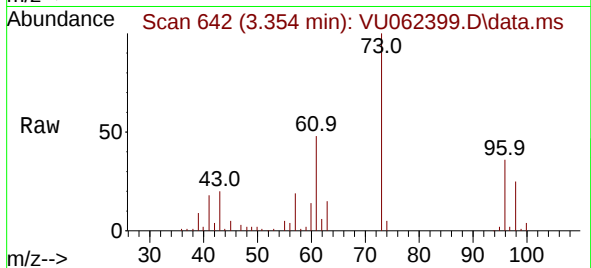




#17
Methyl tert-butyl Ether
Concen: 5.064 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

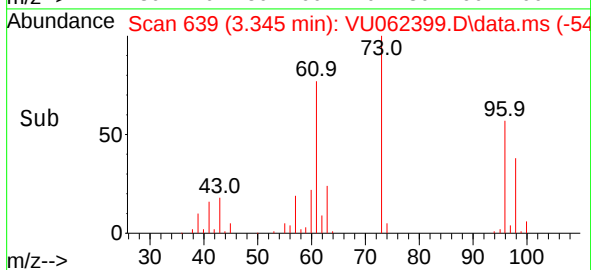
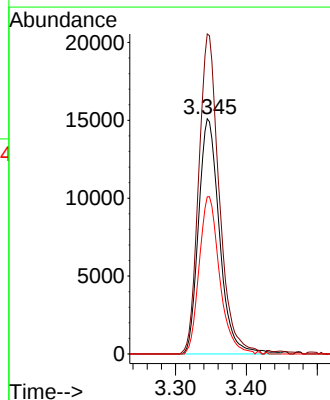
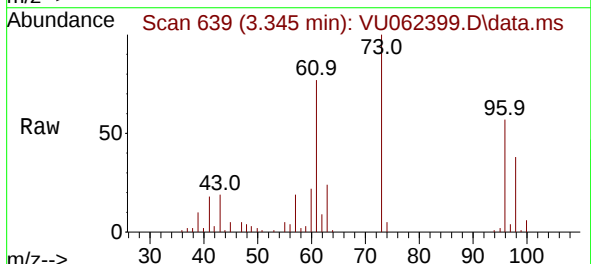
Instrument :
MSVOA_U
ClientSampleId :

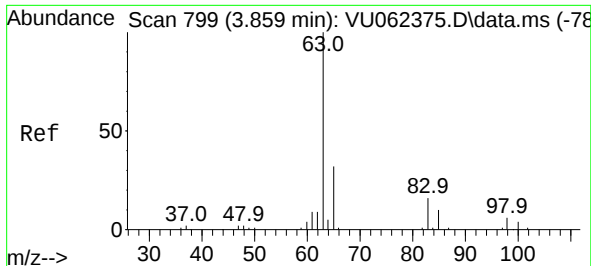
Tgt Ion: 73 Resp: 78898
Ion Ratio Lower Upper
73 100
43 19.8 16.3 24.5
57 18.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.826 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion: 96 Resp: 31011
Ion Ratio Lower Upper
96 100
61 136.0 104.2 193.4
98 66.8 45.7 84.9

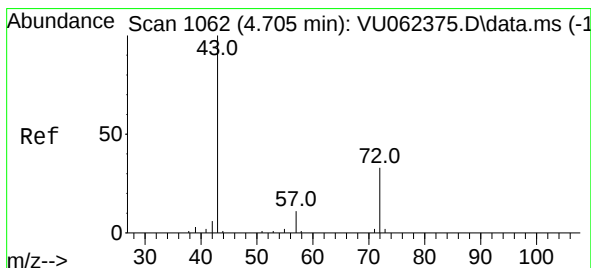
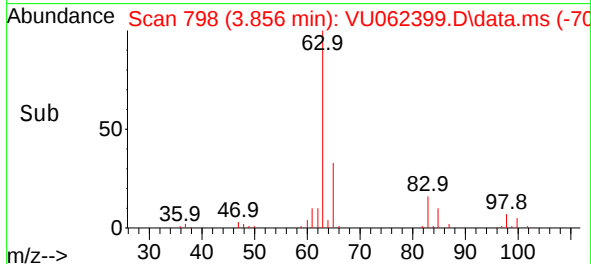
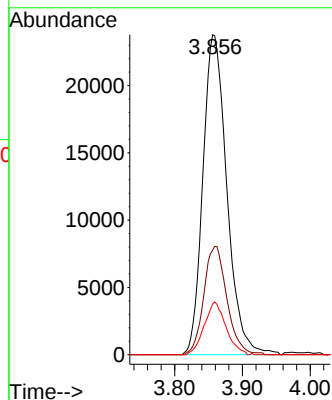
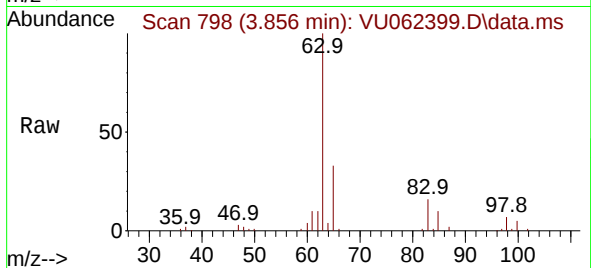




#19
1,1-Dichloroethane
Concen: 4.969 ug/L
RT: 3.856 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

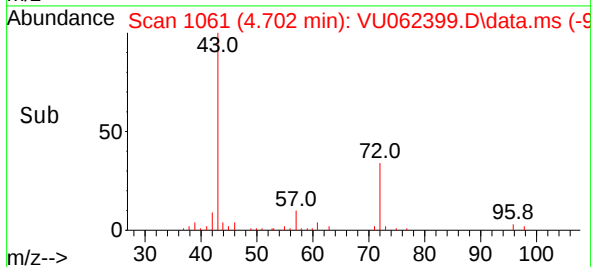
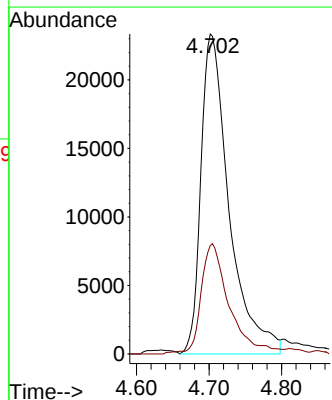
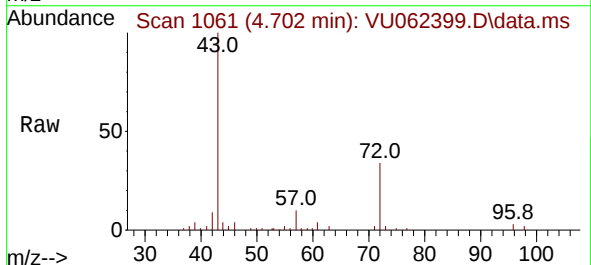
Instrument :
MSVOA_U
ClientSampleId :

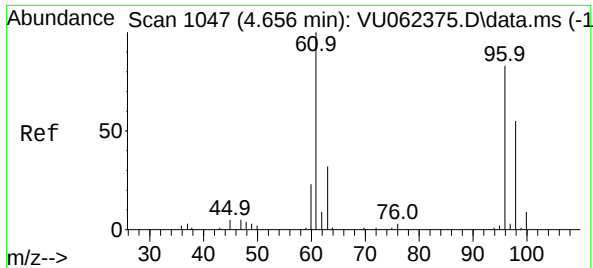
Tgt Ion: 63 Resp: 58529
Ion Ratio Lower Upper
63 100
65 32.7 22.7 42.3
83 15.9 9.9 18.3



#21
2-Butanone
Concen: 53.306 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

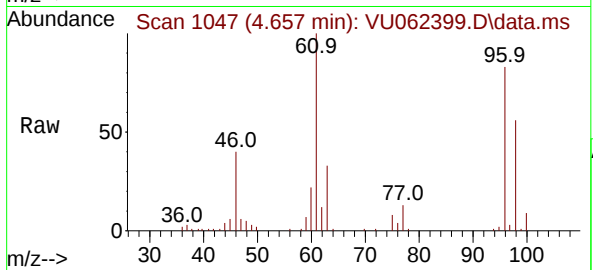
Tgt Ion: 43 Resp: 63112
Ion Ratio Lower Upper
43 100
72 34.3 14.8 44.4





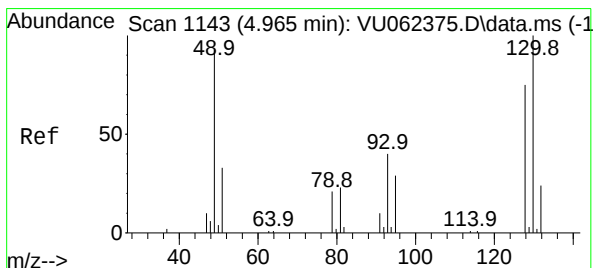
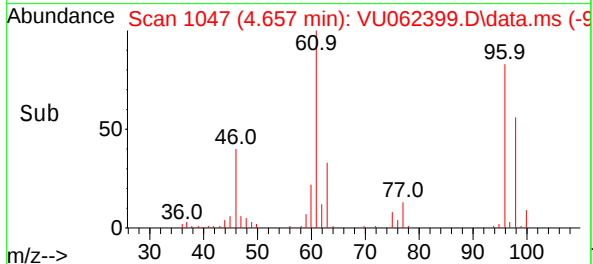
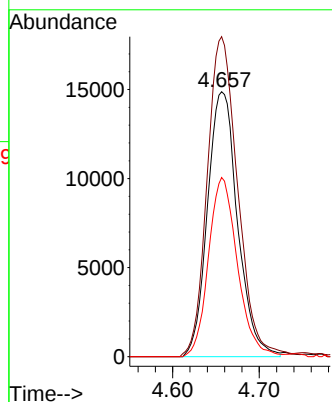
#22
 cis-1,2-Dichloroethene
 Concen: 4.985 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 35902

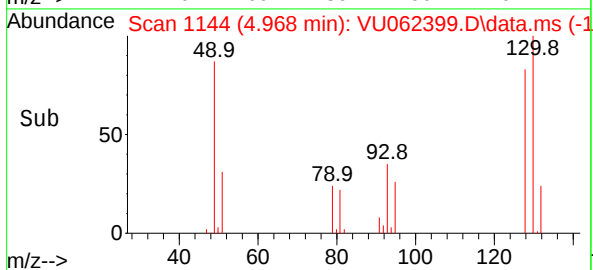
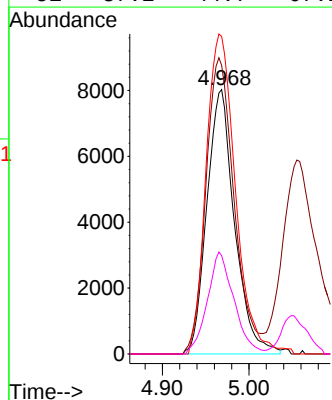
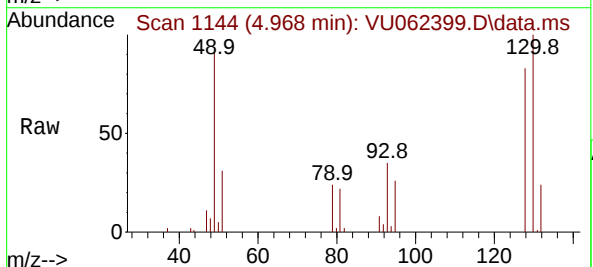
Ion	Ratio	Lower	Upper
96	100		
61	120.7	92.0	170.8
98	67.6	44.5	82.7

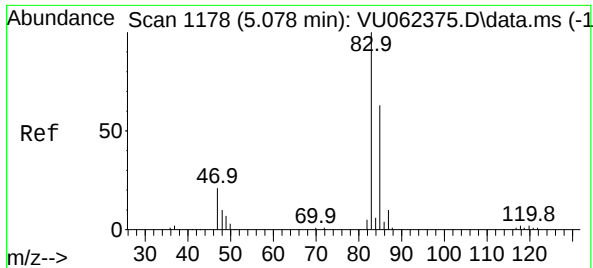


#23
 Bromochloromethane
 Concen: 5.645 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Tgt Ion: 128 Resp: 17821

Ion	Ratio	Lower	Upper
128	100		
49	109.2	115.3	214.1#
130	120.2	92.0	170.8
51	37.2	44.7	67.1#





#25

Chloroform

Concen: 5.365 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

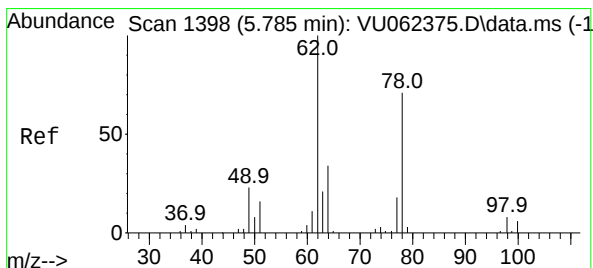
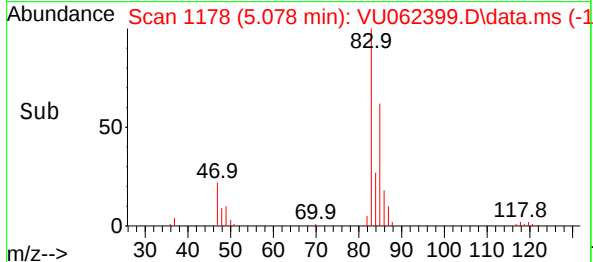
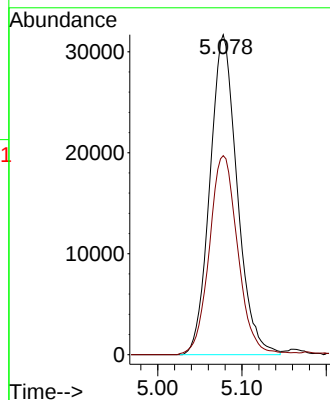
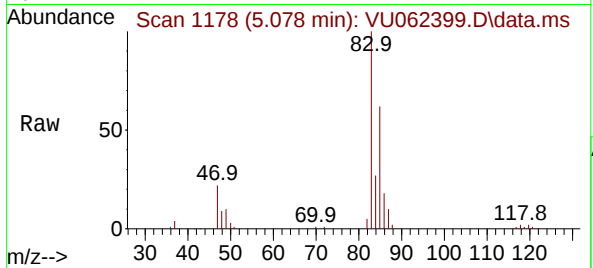
ClientSampleId :

Tgt Ion: 83 Resp: 71184

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.285 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU062399.D

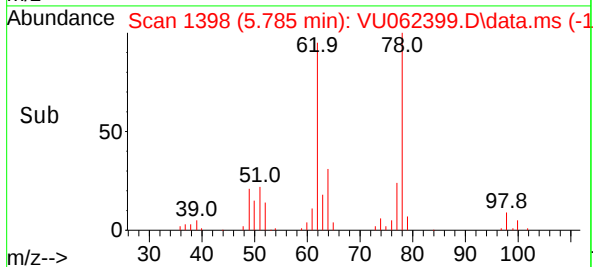
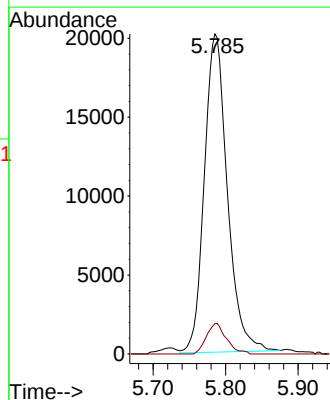
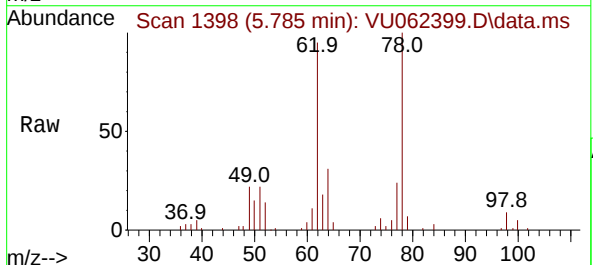
Acq: 17 Dec 2024 19:43

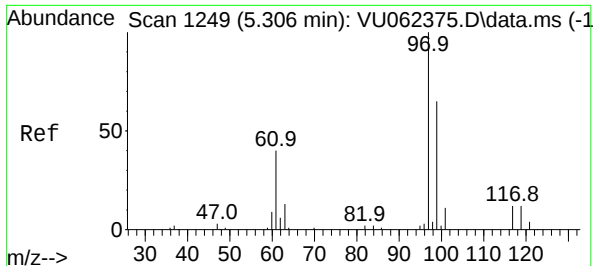
Tgt Ion: 62 Resp: 44553

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.0

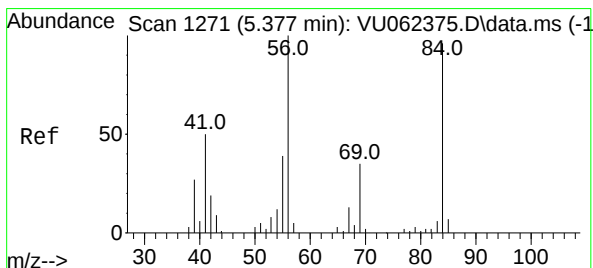
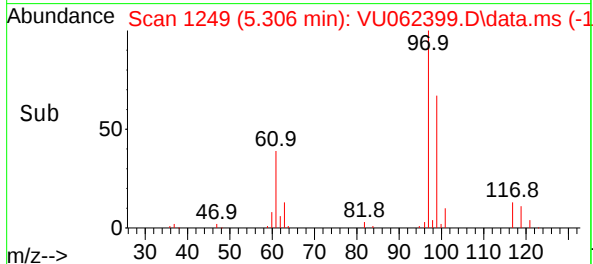
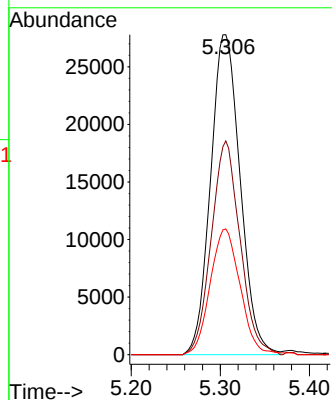
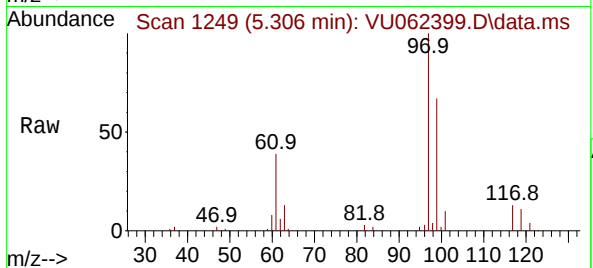




#29
1,1,1-Trichloroethane
Concen: 5.183 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

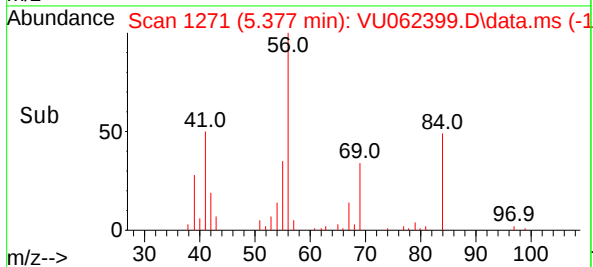
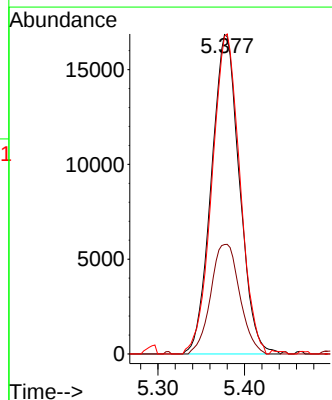
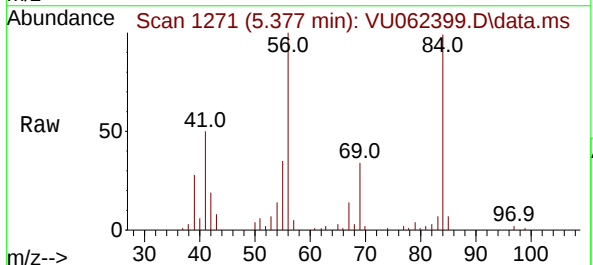
Instrument :
MSVOA_U
ClientSampleId :

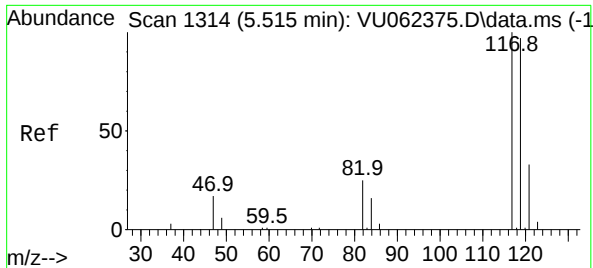
Tgt Ion: 97 Resp: 64289
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 39.6 37.8 56.6



#30
Cyclohexane
Concen: 3.775 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion: 56 Resp: 37961
Ion Ratio Lower Upper
56 100
69 35.4 25.1 37.7
84 99.2 70.6 105.8

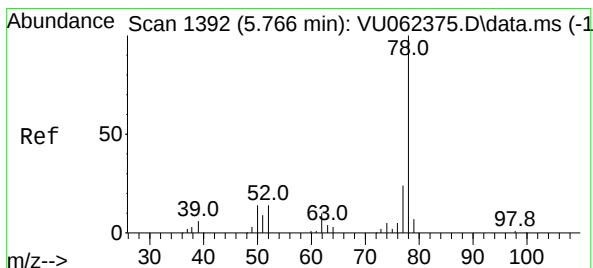
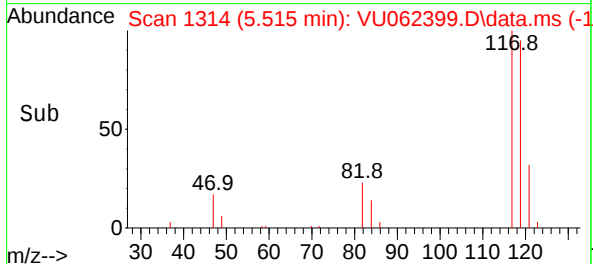
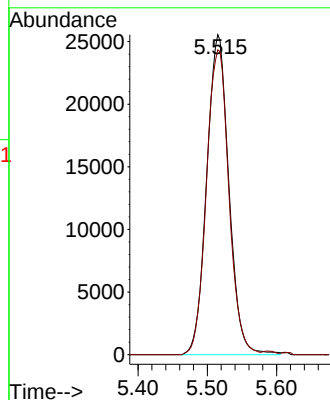
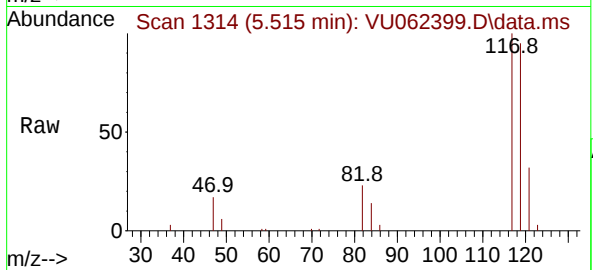




#31
Carbon tetrachloride
Concen: 4.991 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

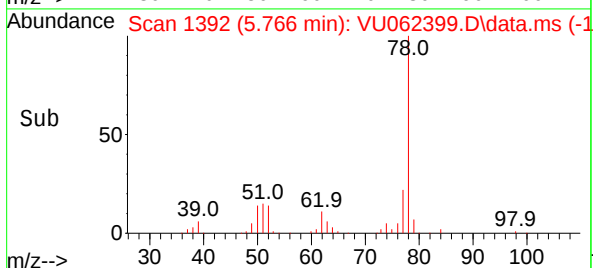
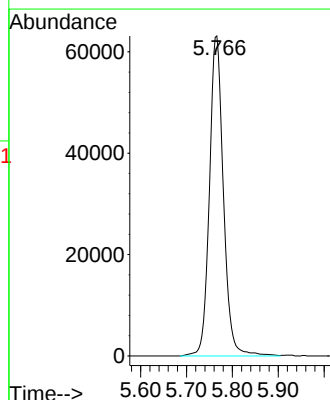
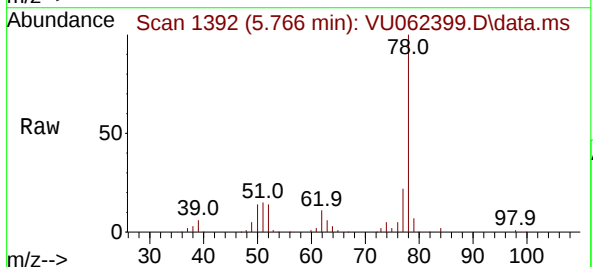
Instrument :
MSVOA_U
ClientSampleId :

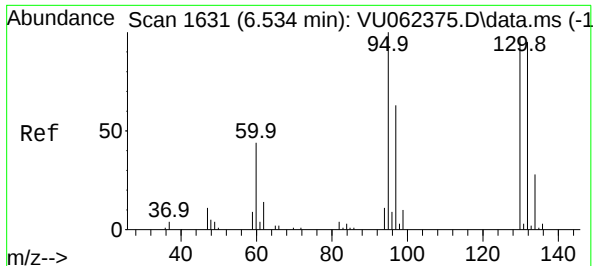
Tgt Ion:117 Resp: 56762
Ion Ratio Lower Upper
117 100
119 96.6 77.5 116.3



#33
Benzene
Concen: 4.907 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion: 78 Resp: 134062





#34

Trichloroethene

Concen: 4.777 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 36968

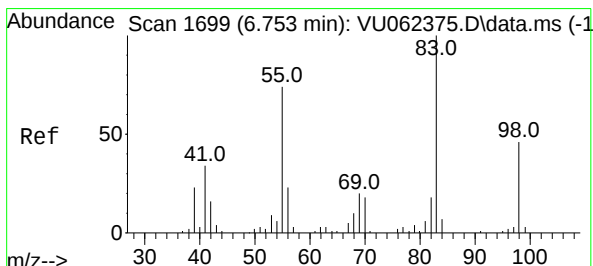
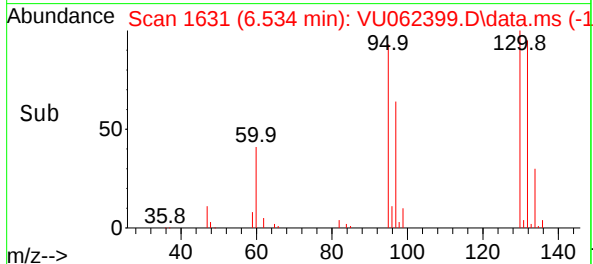
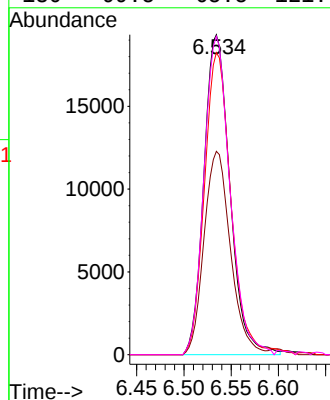
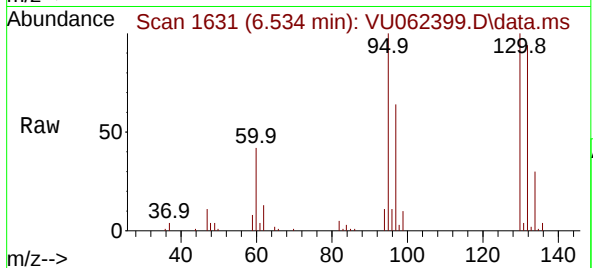
Ion Ratio Lower Upper

95 100

97 63.6 45.9 85.3

132 94.4 63.8 118.4

130 99.5 65.5 121.7



#35

Methylcyclohexane

Concen: 3.946 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

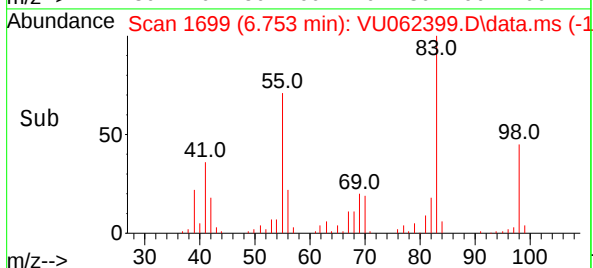
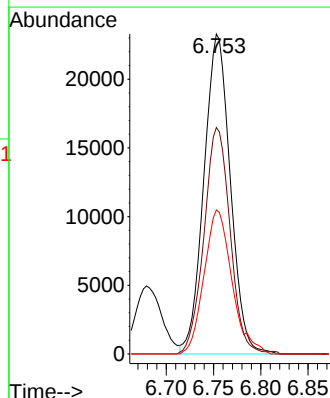
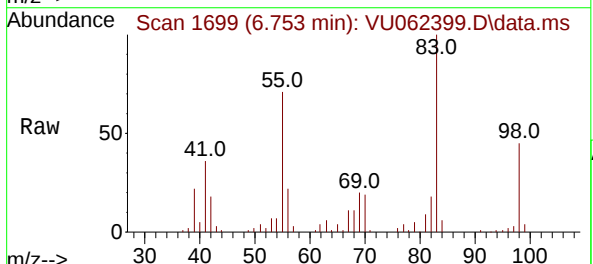
Tgt Ion: 83 Resp: 45282

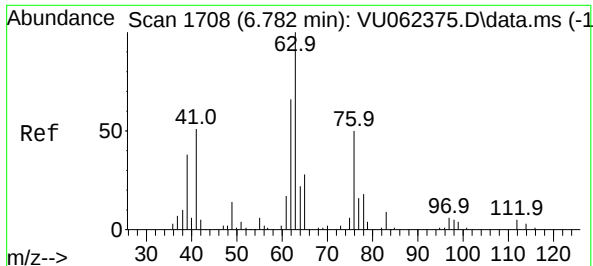
Ion Ratio Lower Upper

83 100

55 69.8 60.7 91.1

98 47.3 34.8 52.2

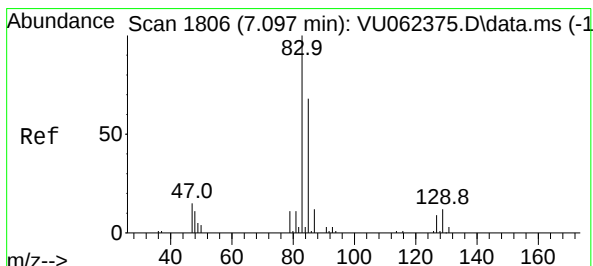
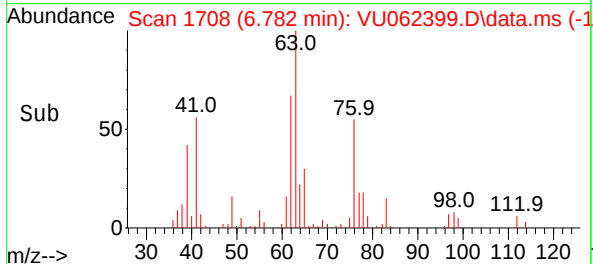
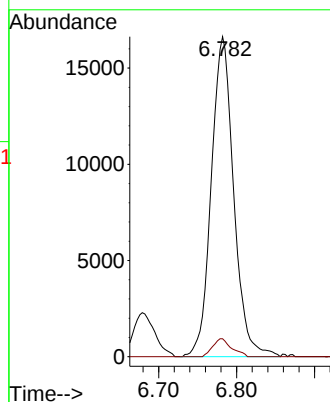
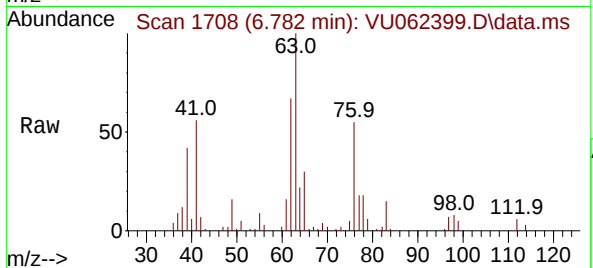




#37
1,2-Dichloropropane
Concen: 5.002 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

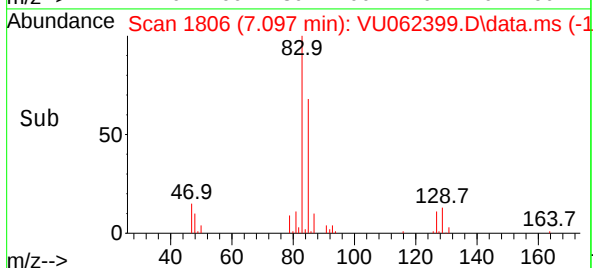
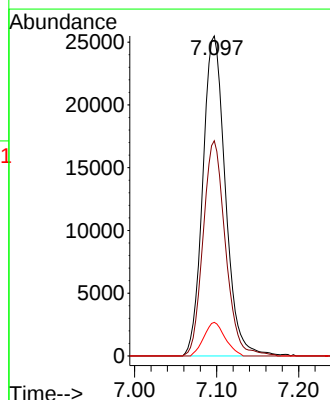
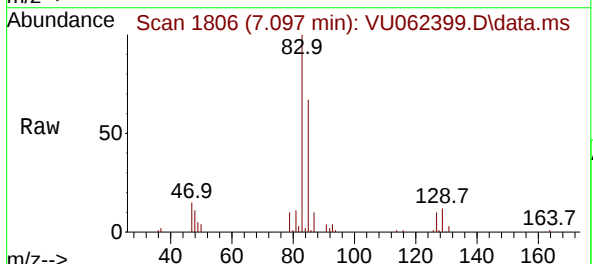
Instrument :
MSVOA_U
ClientSampleId :

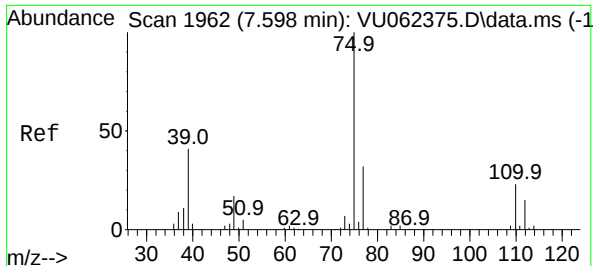
Tgt Ion: 63 Resp: 33281
Ion Ratio Lower Upper
63 100
112 4.7 3.4 5.0



#38
Bromodichloromethane
Concen: 5.191 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion: 83 Resp: 48733
Ion Ratio Lower Upper
83 100
85 67.2 44.1 81.9
127 11.4 6.9 10.3#

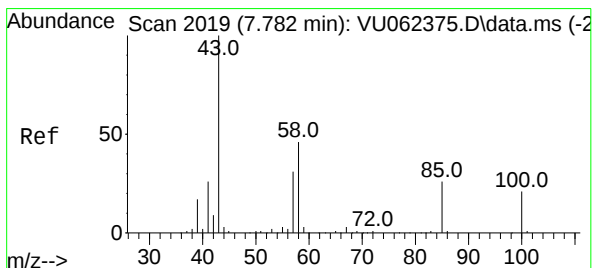
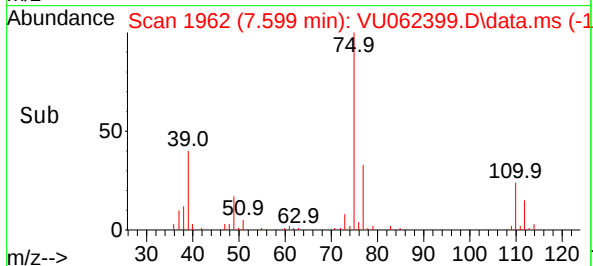
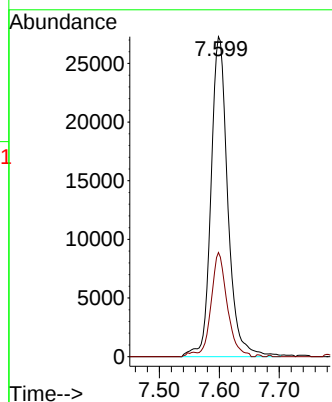
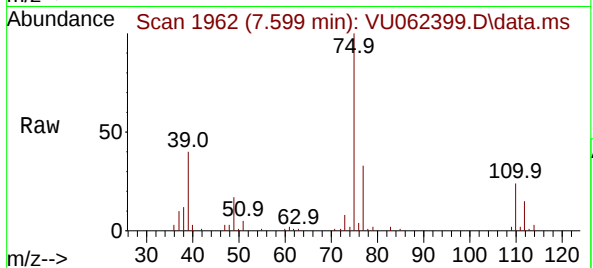




#39
 cis-1,3-Dichloropropene
 Concen: 4.995 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

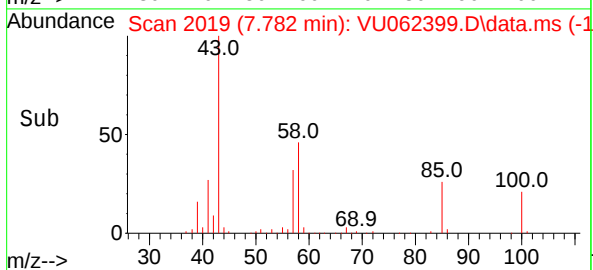
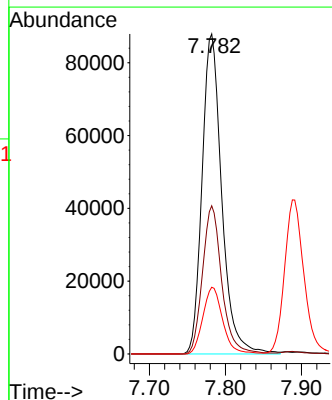
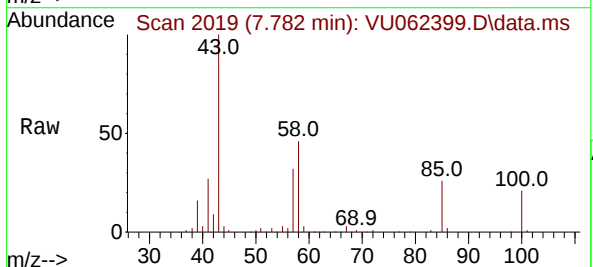
Instrument :
 MSVOA_U
 ClientSampleId :

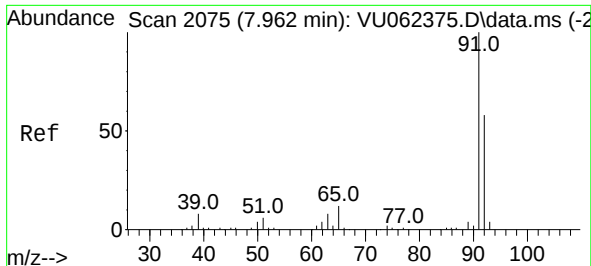
Tgt Ion: 75 Resp: 53271
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 50.641 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Tgt Ion: 43 Resp: 157916
 Ion Ratio Lower Upper
 43 100
 58 45.5 33.3 49.9
 100 21.0 12.4 18.6#





#42

Toluene

Concen: 4.797 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

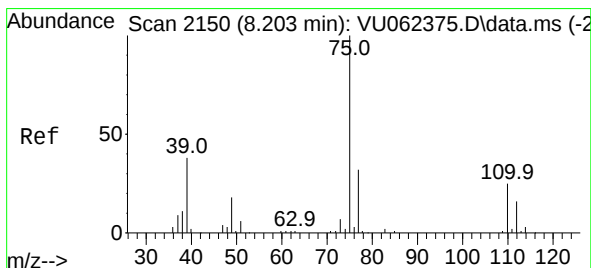
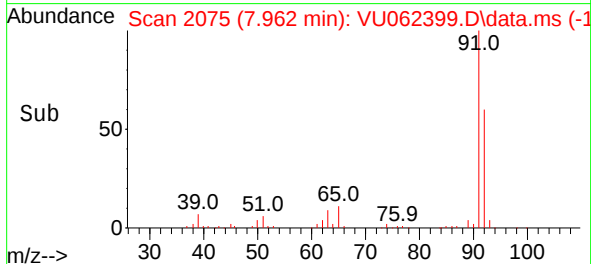
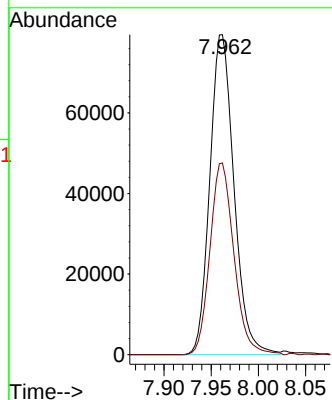
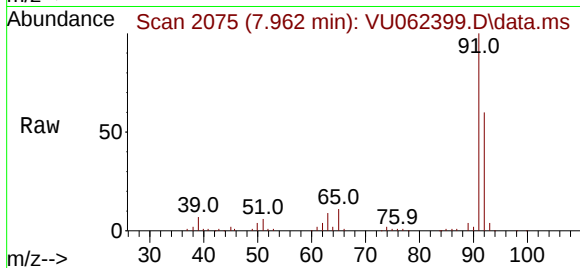
ClientSampleId :

Tgt Ion: 91 Resp: 141333

Ion Ratio Lower Upper

91 100

92 59.9 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.164 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU062399.D

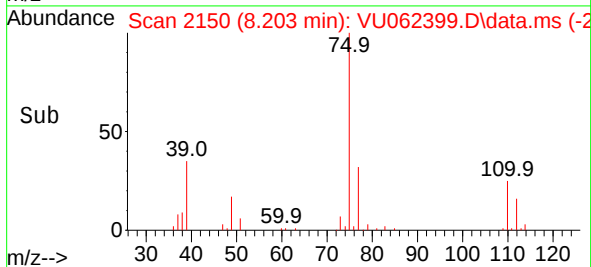
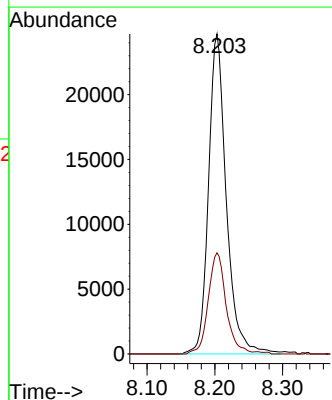
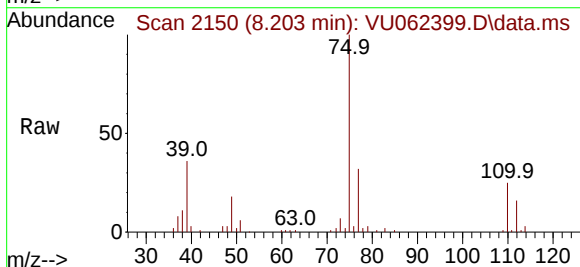
Acq: 17 Dec 2024 19:43

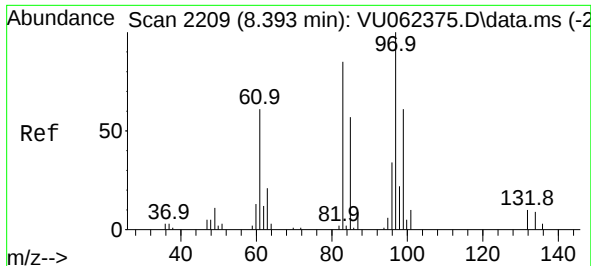
Tgt Ion: 75 Resp: 44970

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4

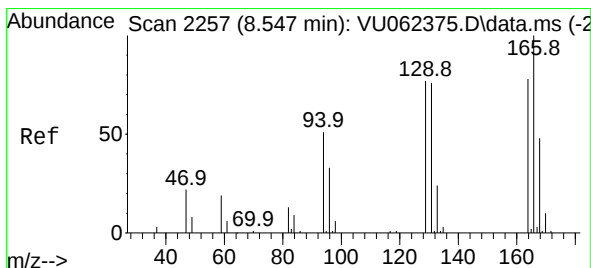
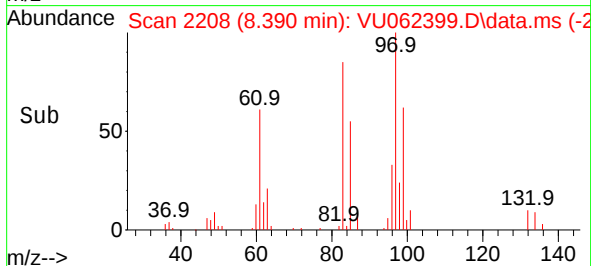
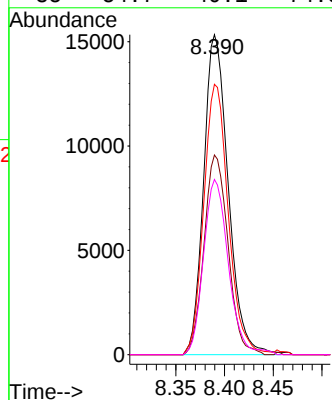
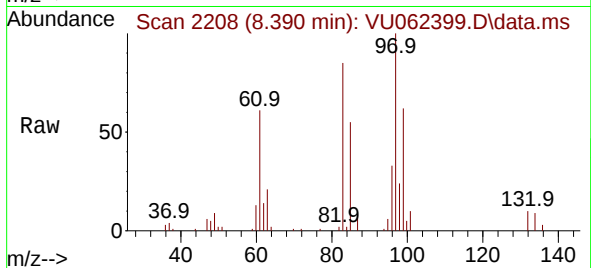




#45
1,1,2-Trichloroethane
Concen: 5.363 ug/L
RT: 8.390 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

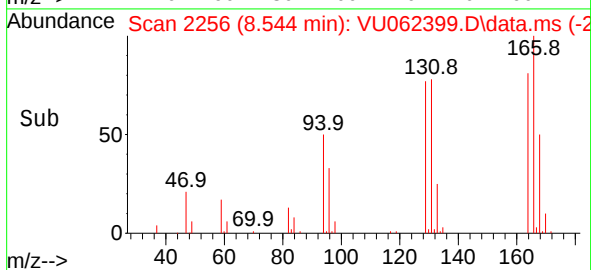
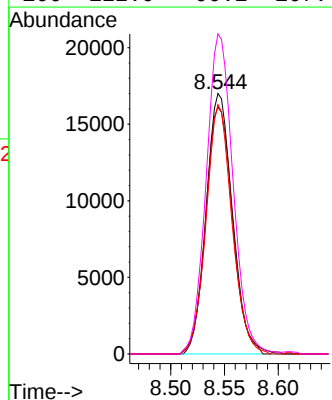
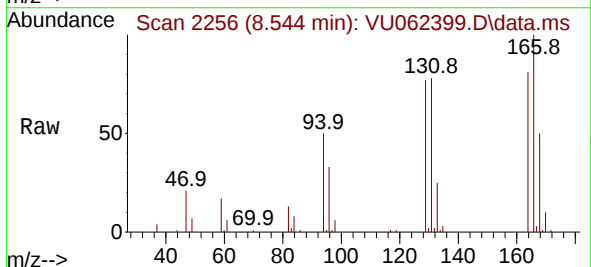
Instrument :
MSVOA_U
ClientSampleId :

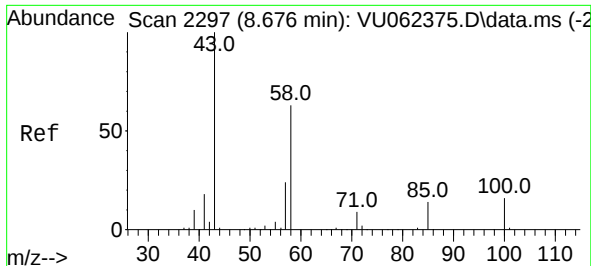
Tgt Ion:	97	Resp:	26937
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.0	79.8
83	84.5	61.7	114.5
85	54.7	40.1	74.5



#47
Tetrachloroethene
Concen: 4.840 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:	164	Resp:	28919
Ion	Ratio	Lower	Upper
164	100		
129	94.8	73.2	136.0
131	95.7	72.3	134.3
166	122.9	90.2	167.4

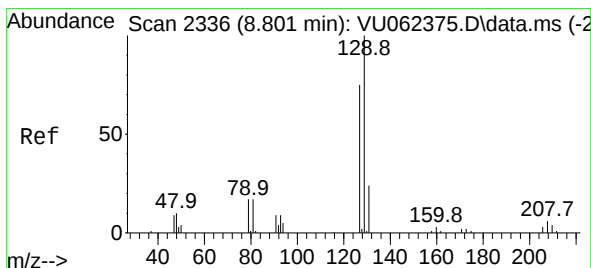
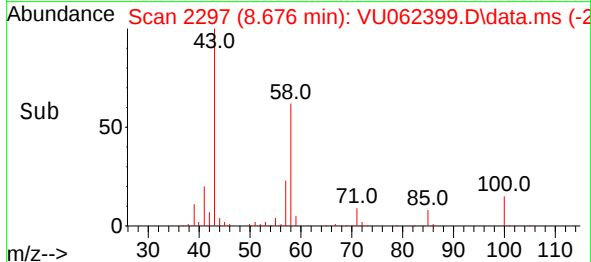
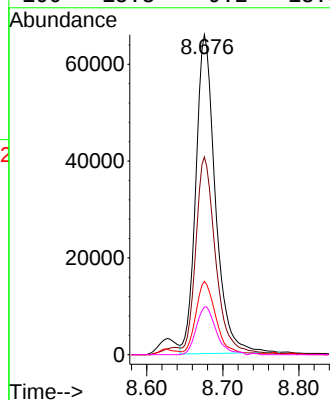
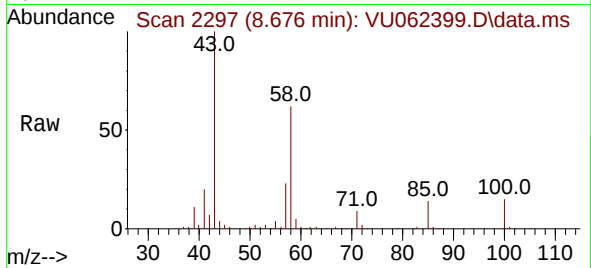




#48
2-Hexanone
Concen: 51.050 ug/L
RT: 8.676 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

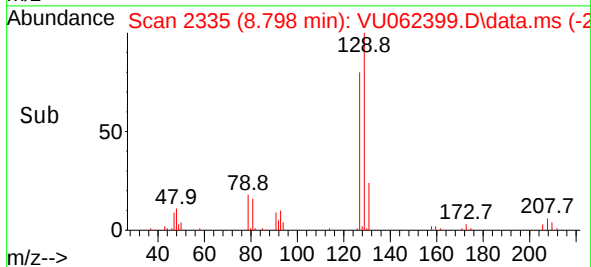
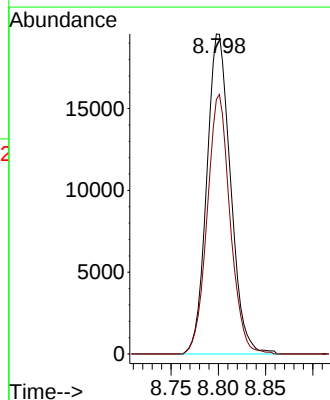
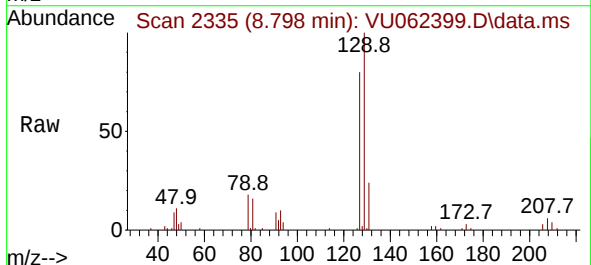
Instrument :
MSVOA_U
ClientSampleId :

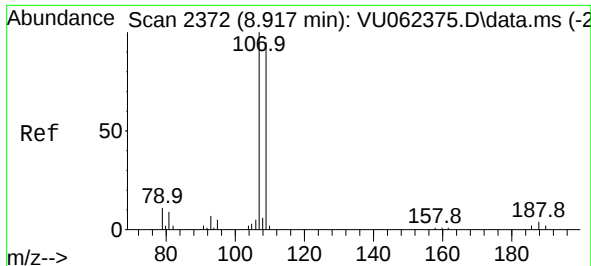
Tgt Ion: 43 Resp: 117647
Ion Ratio Lower Upper
43 100
58 62.8 47.5 71.3
57 23.3 15.6 23.4
100 15.3 9.2 13.8#



#49
Dibromochloromethane
Concen: 5.640 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:129 Resp: 34230
Ion Ratio Lower Upper
129 100
127 79.5 51.1 94.9

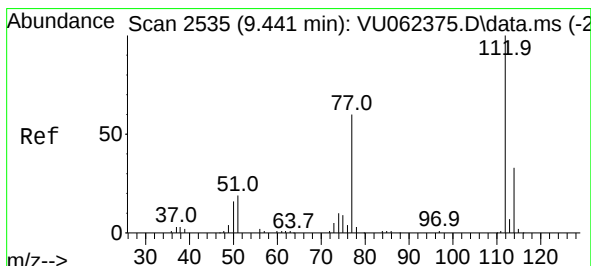
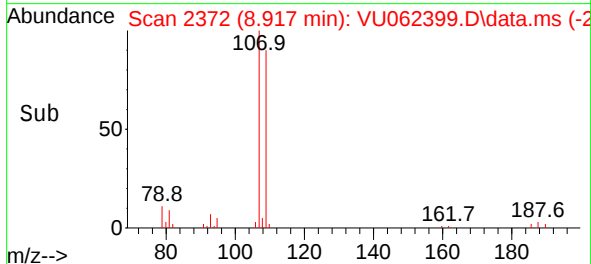
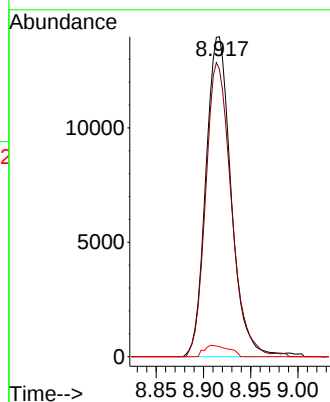
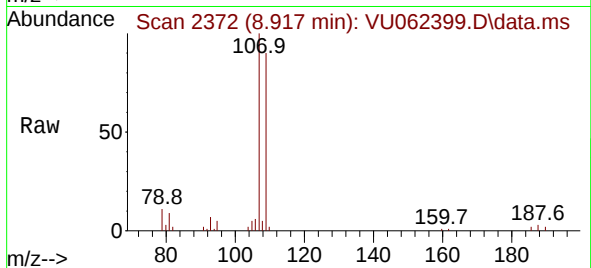




#50
1,2-Dibromoethane
Concen: 5.375 ug/L
RT: 8.917 min Scan# 24
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

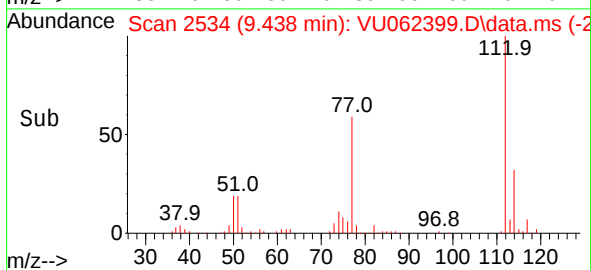
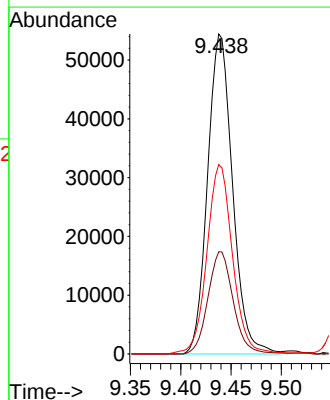
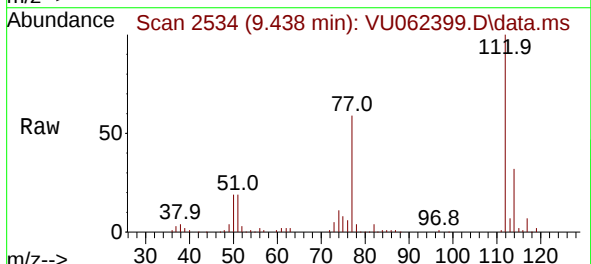
Instrument :
MSVOA_U
ClientSampleId :

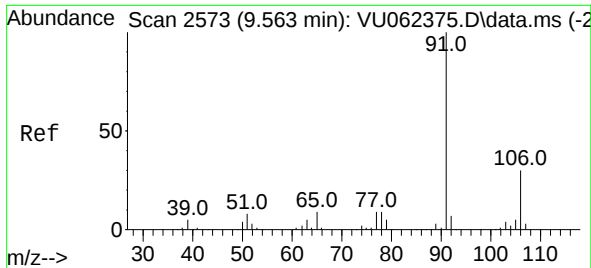
Tgt Ion:107 Resp: 25940
Ion Ratio Lower Upper
107 100
109 89.8 66.8 124.2
188 3.1 2.3 3.5



#51
Chlorobenzene
Concen: 4.977 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:112 Resp: 93960
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.6
77 59.2 50.5 75.7

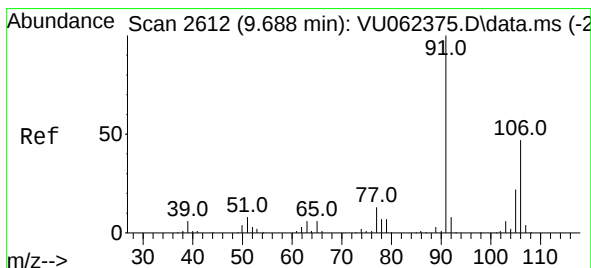
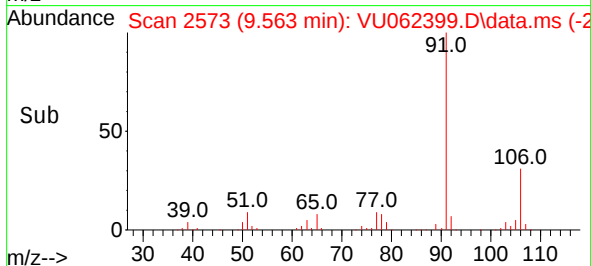
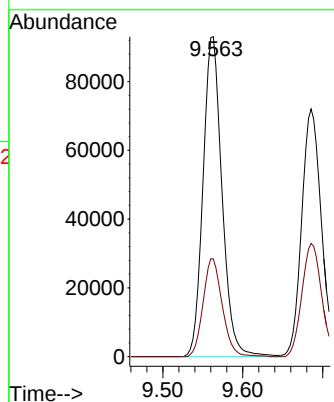
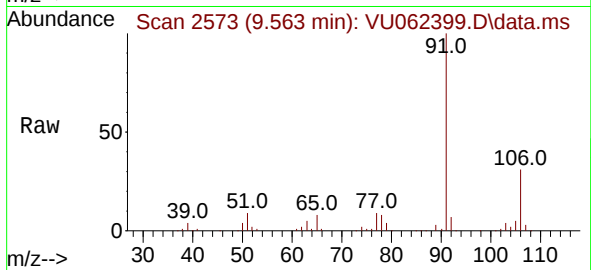




#52
Ethylbenzene
Concen: 4.661 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

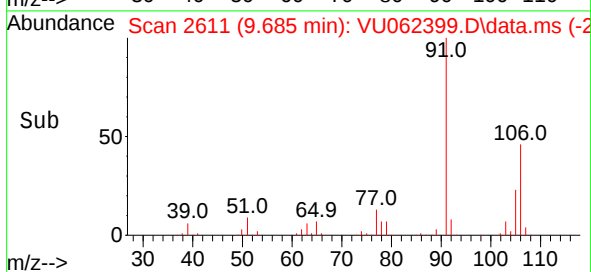
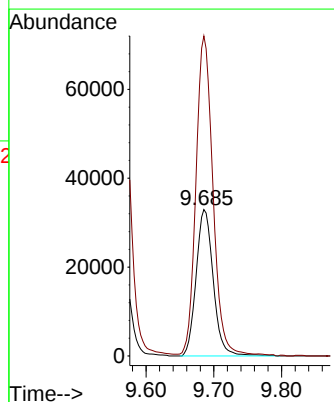
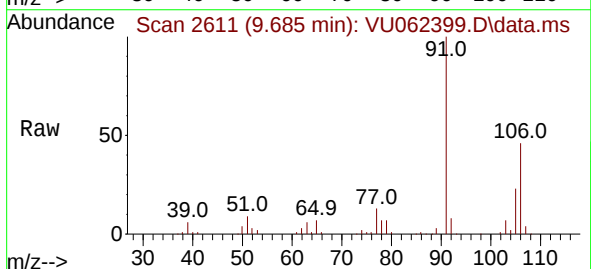
Instrument :
MSVOA_U
ClientSampleId :

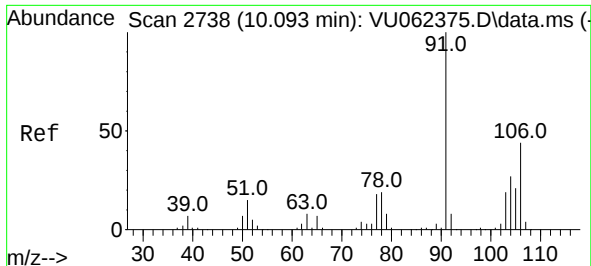
Tgt Ion: 91 Resp: 153971
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 4.745 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:106 Resp: 57866
Ion Ratio Lower Upper
106 100
91 218.6 147.6 274.0





#54

o-Xylene

Concen: 4.971 ug/L

RT: 10.090 min Scan# 2738

Delta R.T. -0.003 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

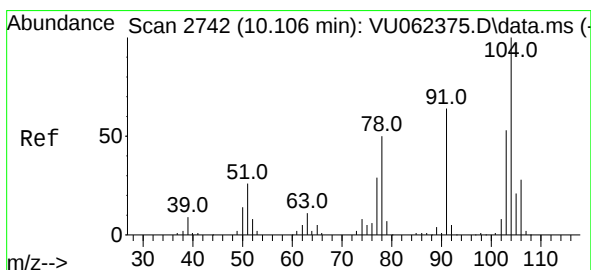
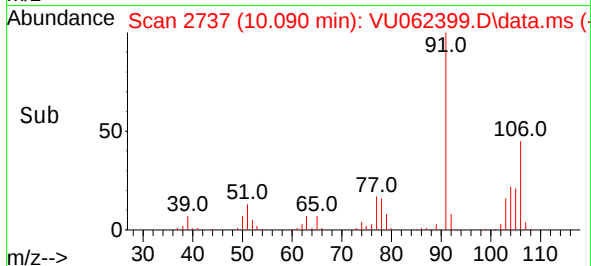
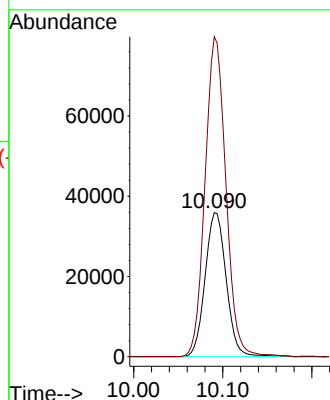
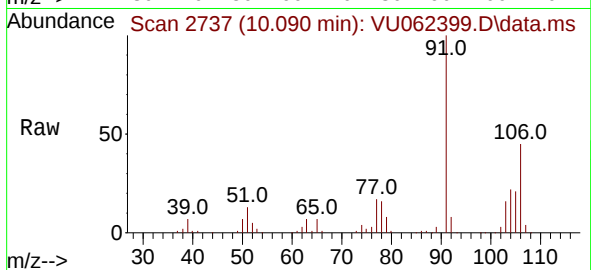
ClientSampleId :

Tgt Ion:106 Resp: 58956

Ion Ratio Lower Upper

106 100

91 222.2 159.8 296.8



#55

Styrene

Concen: 4.955 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU062399.D

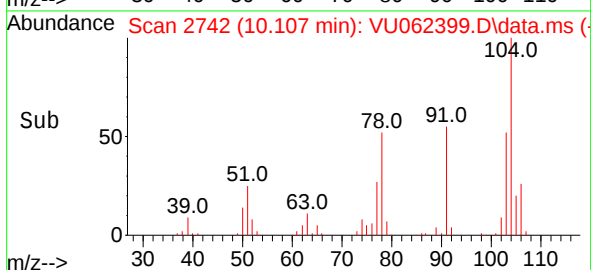
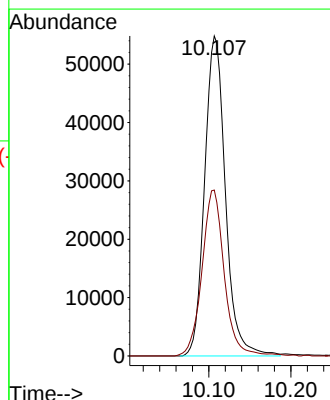
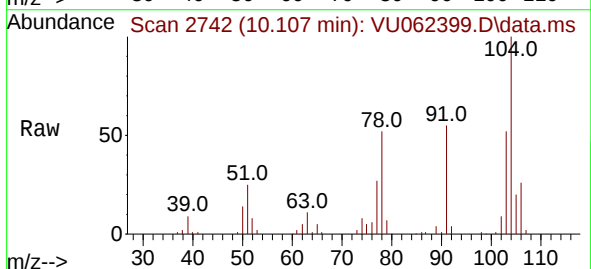
Acq: 17 Dec 2024 19:43

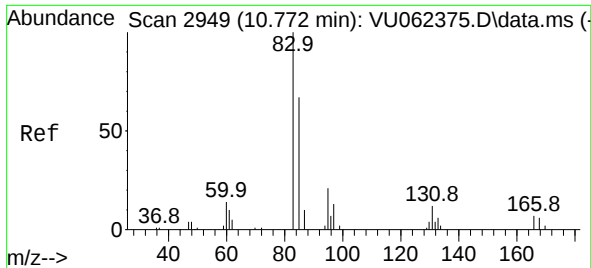
Tgt Ion:104 Resp: 96888

Ion Ratio Lower Upper

104 100

78 51.9 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.143 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

ClientSampleId :

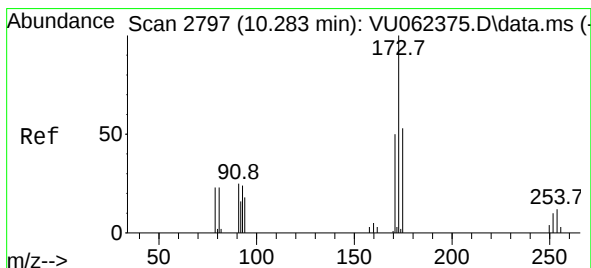
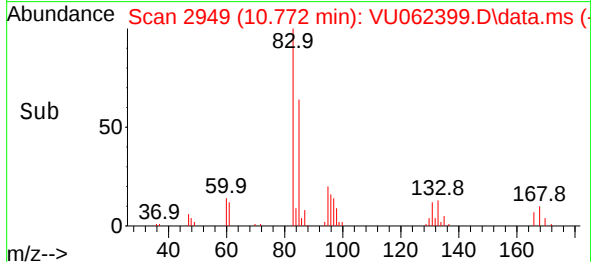
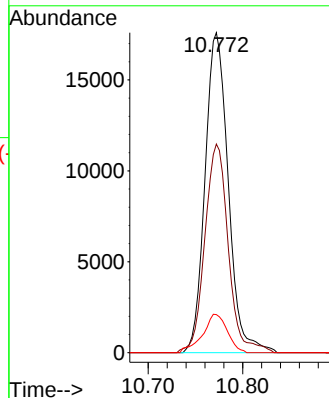
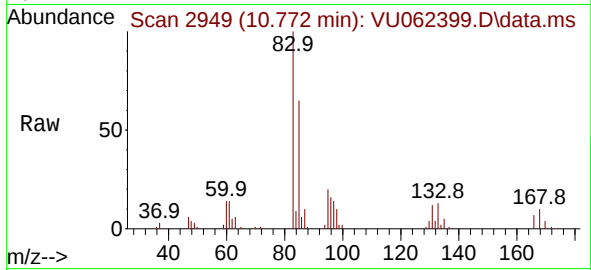
Tgt Ion: 83 Resp: 30063

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.4

131 11.9 7.3 10.9#



#59

Bromoform

Concen: 5.684 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

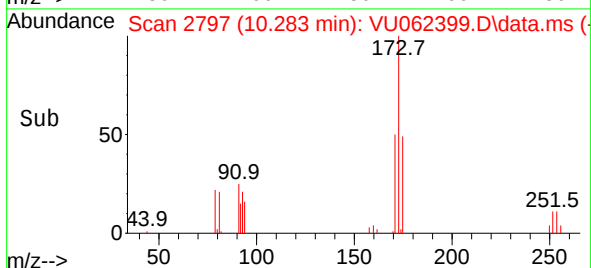
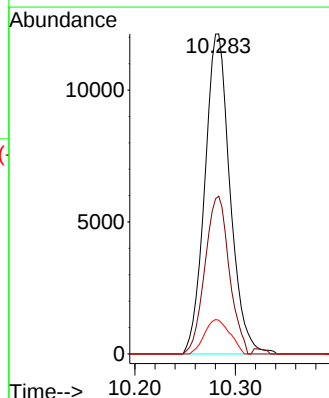
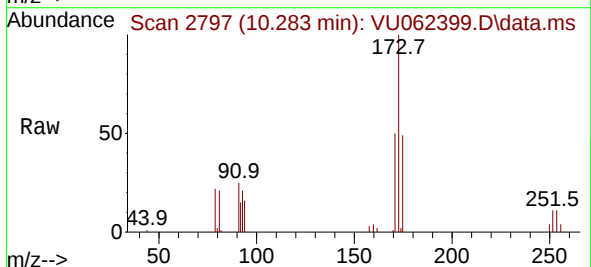
Tgt Ion:173 Resp: 21120

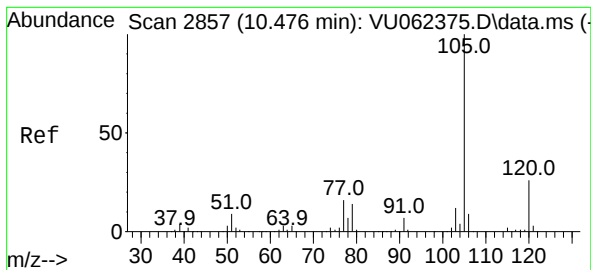
Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 10.8 7.4 11.0





#60

Isopropylbenzene

Concen: 4.474 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

ClientSampleId :

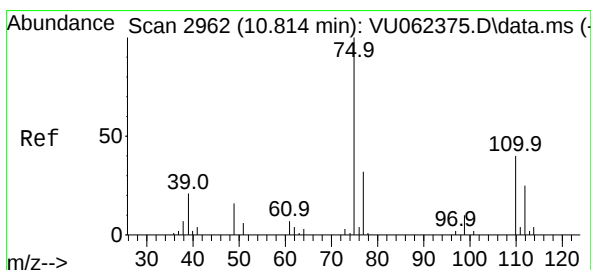
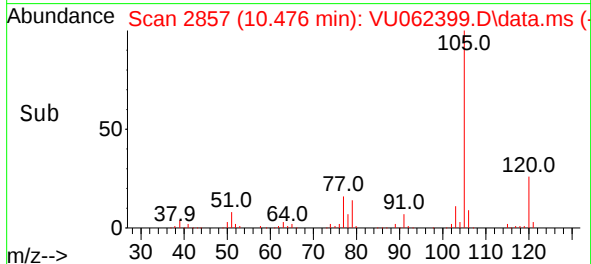
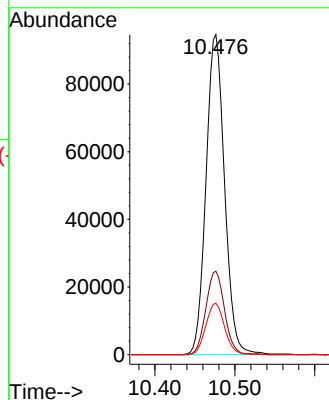
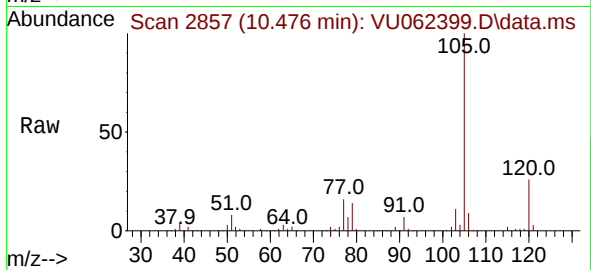
Tgt Ion:105 Resp: 152820

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.075 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

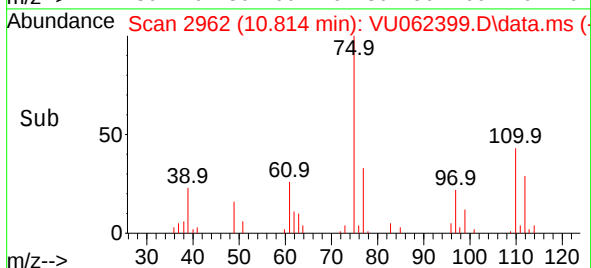
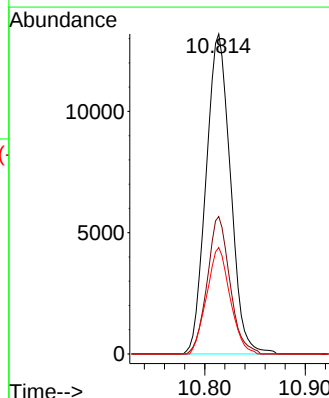
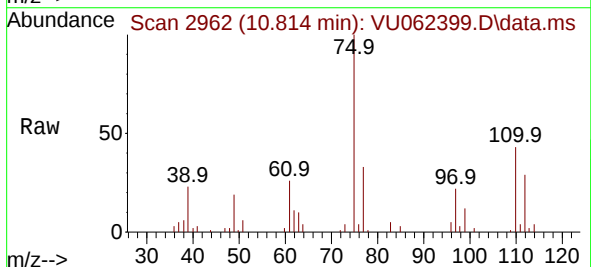
Tgt Ion: 75 Resp: 22190

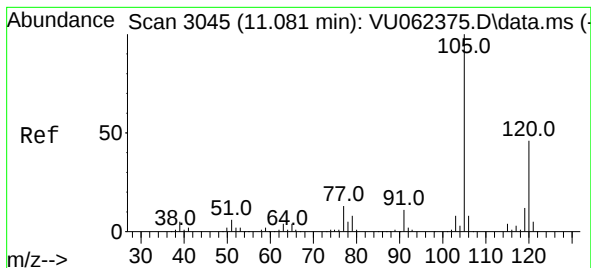
Ion Ratio Lower Upper

75 100

110 40.0 28.9 43.3

77 31.9 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.467 ug/L

RT: 11.078 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

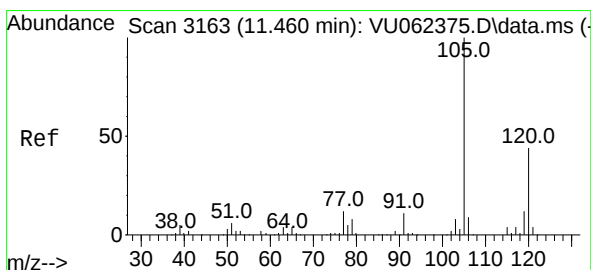
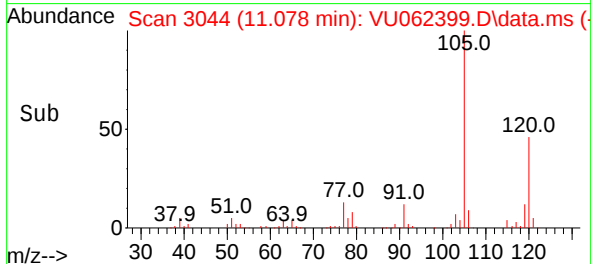
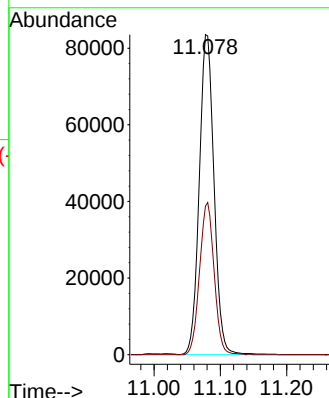
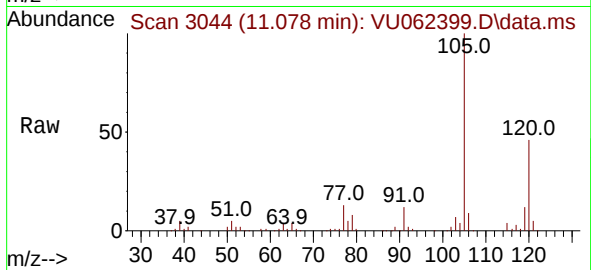
ClientSampleId :

Tgt Ion:105 Resp: 129116

Ion Ratio Lower Upper

105 100

120 46.8 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.536 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU062399.D

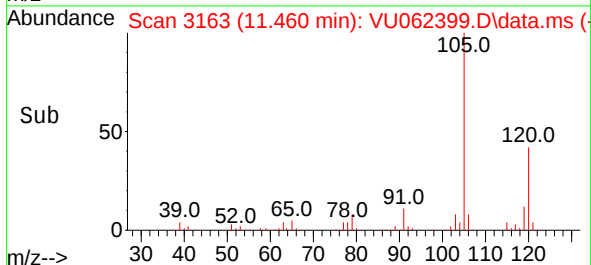
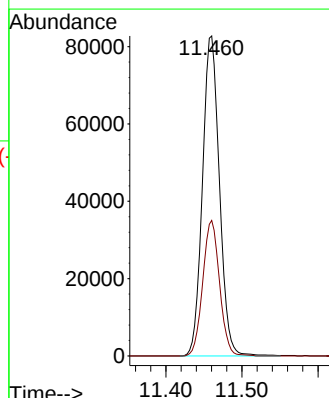
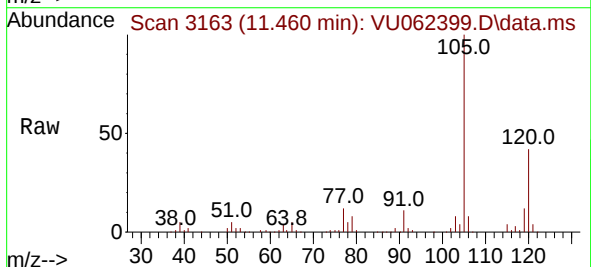
Acq: 17 Dec 2024 19:43

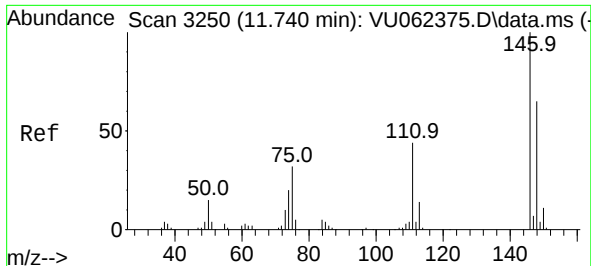
Tgt Ion:105 Resp: 128466

Ion Ratio Lower Upper

105 100

120 41.9 34.7 52.1

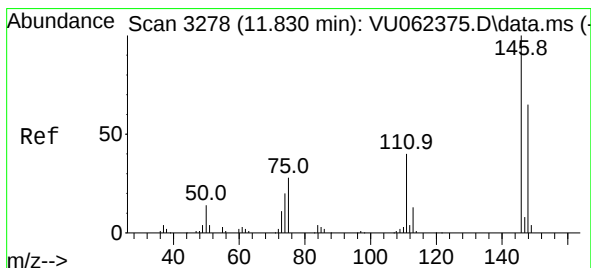
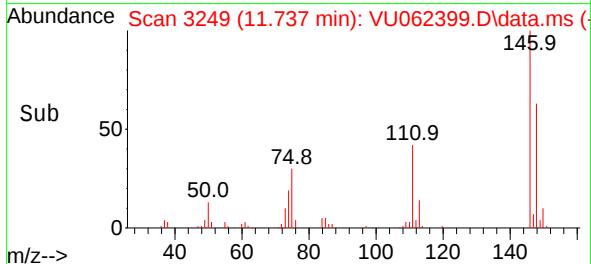
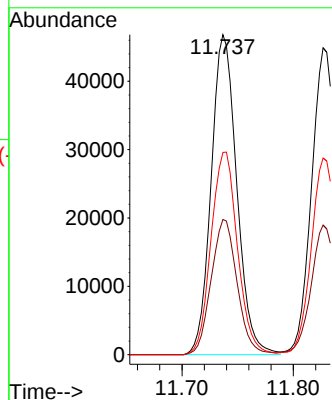
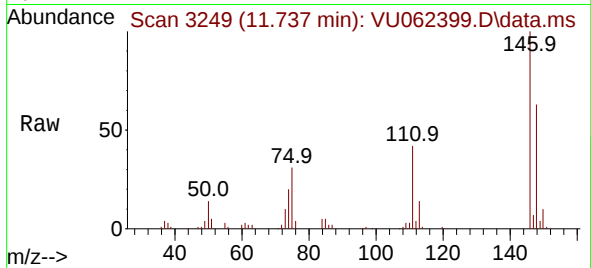




#64
1,3-Dichlorobenzene
Concen: 4.765 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

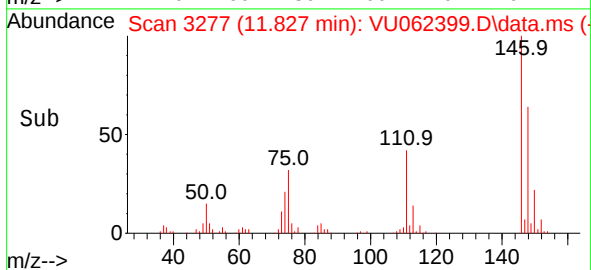
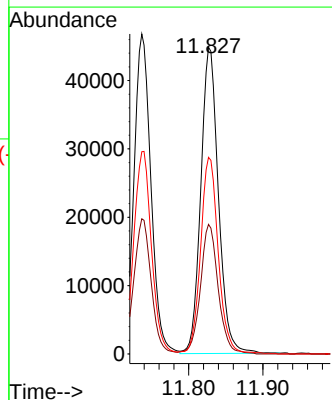
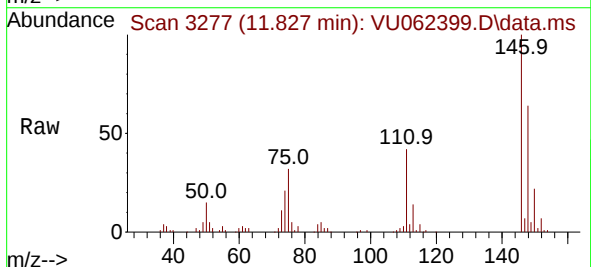
Instrument :
MSVOA_U
ClientSampleId :

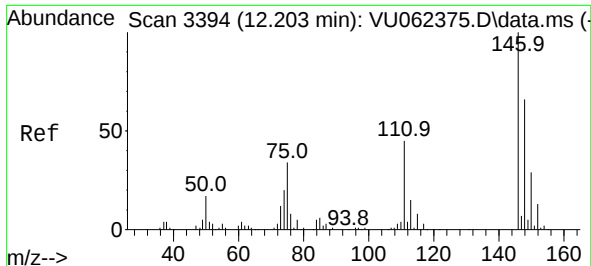
Tgt Ion:146 Resp: 74762
Ion Ratio Lower Upper
146 100
111 42.3 30.7 57.1
148 63.2 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 4.682 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU062399.D
Acq: 17 Dec 2024 19:43

Tgt Ion:146 Resp: 73975
Ion Ratio Lower Upper
146 100
111 42.2 29.3 54.3
148 64.1 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.931 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

ClientSampleId :

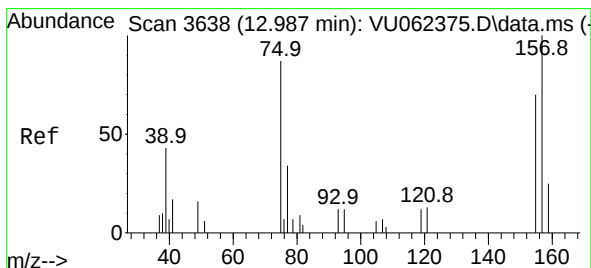
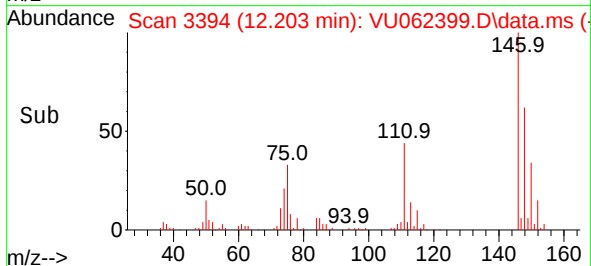
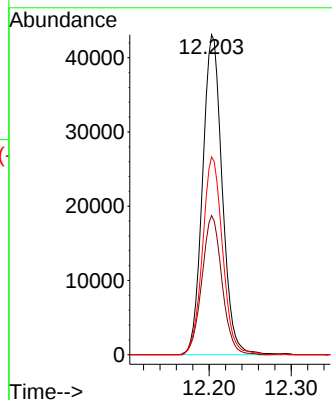
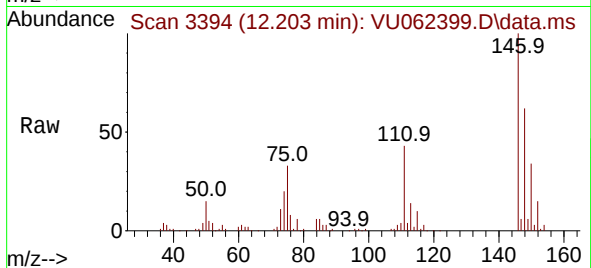
Tgt Ion:146 Resp: 71504

Ion Ratio Lower Upper

146 100

111 43.4 36.0 54.0

148 61.8 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.428 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

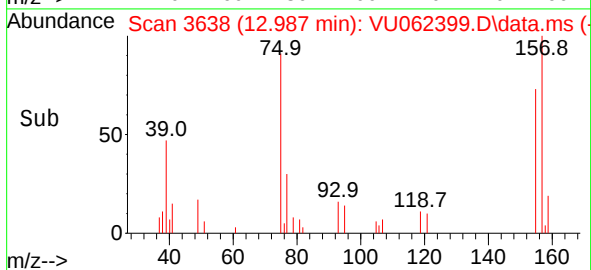
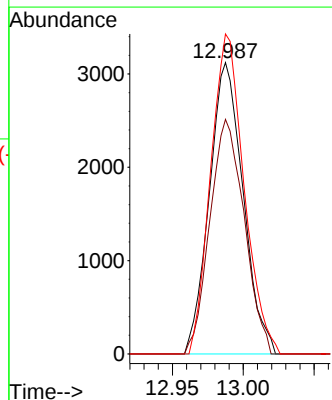
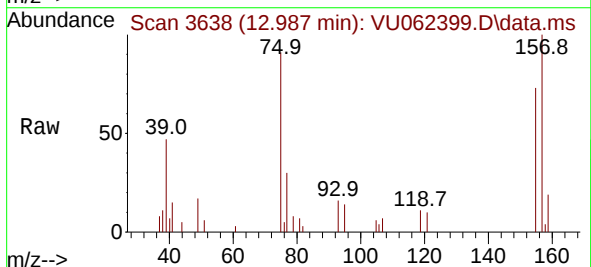
Tgt Ion: 75 Resp: 5177

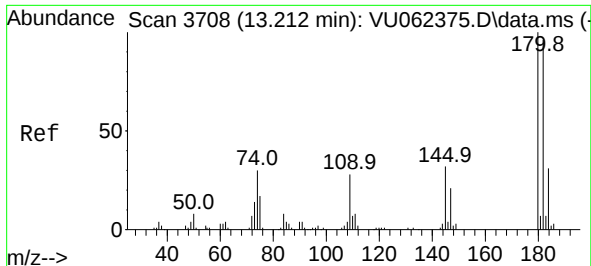
Ion Ratio Lower Upper

75 100

155 80.5 55.2 82.8

157 109.8 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 4.728 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

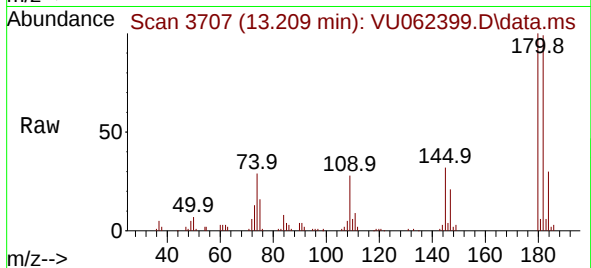
Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 55140

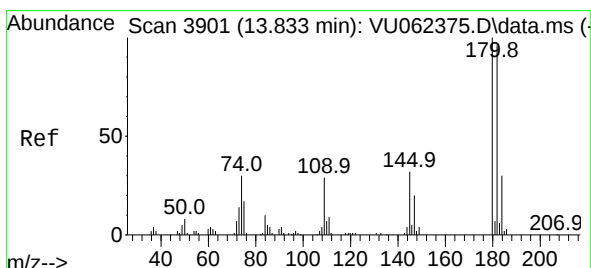
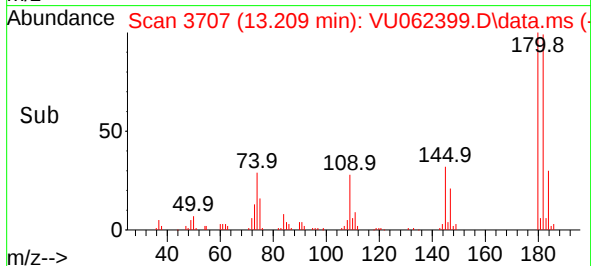
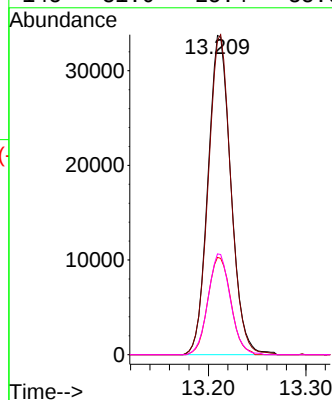
Ion Ratio Lower Upper

180 100

182 98.7 76.7 115.1

184 30.5 24.8 37.2

145 31.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.531 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU062399.D

Acq: 17 Dec 2024 19:43

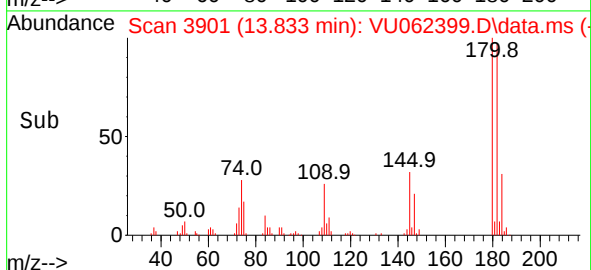
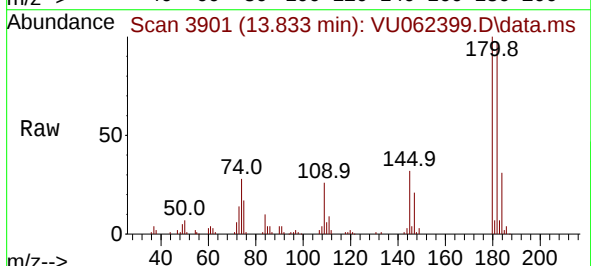
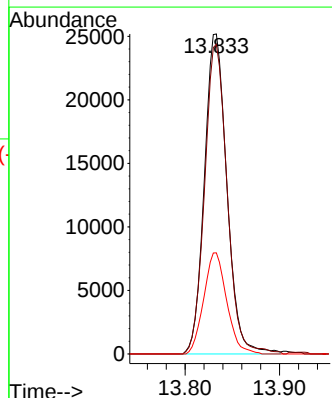
Tgt Ion:180 Resp: 41721

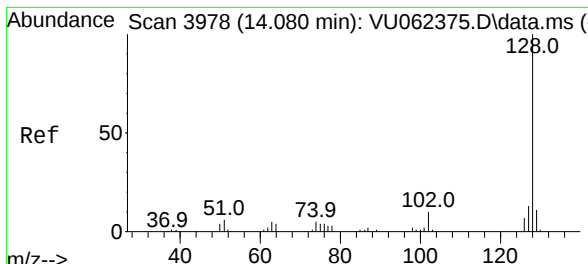
Ion Ratio Lower Upper

180 100

182 96.8 74.5 111.7

145 32.1 25.6 38.4

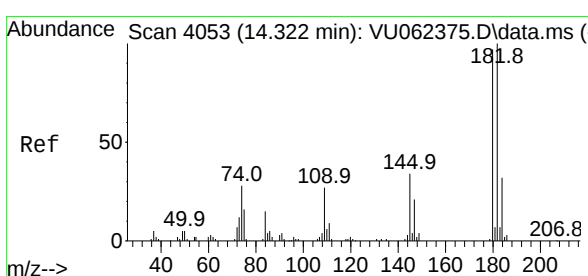
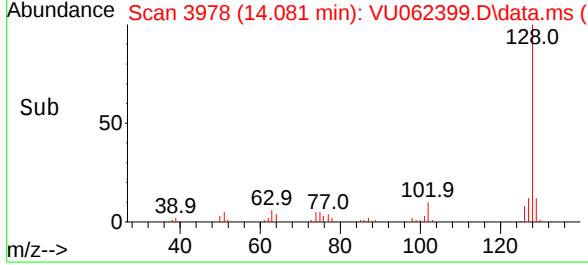
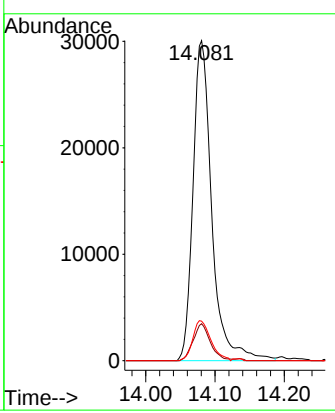
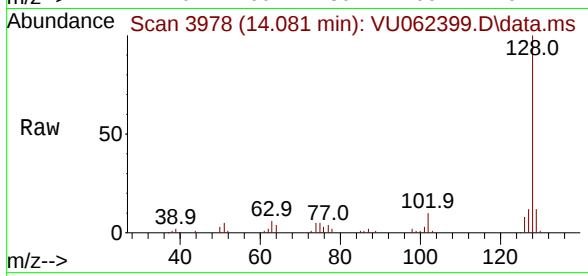




#71
 Naphthalene
 Concen: 4.099 ug/L
 RT: 14.081 min Scan# 3978
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	128	Resp:	56684
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.5	12.7
127	12.0	10.2	15.4



#72
 1,2,3-Trichlorobenzene
 Concen: 4.488 ug/L
 RT: 14.322 min Scan# 4053
 Delta R.T. 0.000 min
 Lab File: VU062399.D
 Acq: 17 Dec 2024 19:43

Tgt Ion:	180	Resp:	36451
Ion Ratio	Lower	Upper	
180	100		
182	98.0	76.1	114.1
145	34.2	27.4	41.0

