

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110121\
 Data File : VU045486.D
 Acq On : 01 Nov 2021 13:30
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 02:46:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 02 02:33:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	287540	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	280065	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	136939	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	93746	40.057	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.120%
7) Chloroethane-d5	1.916	69	86099	45.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.820%
11) 1,1-Dichloroethene-d2	2.572	63	139273	33.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.020%
21) 2-Butanone-d5	4.629	46	223243	113.985	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.980%
24) Chloroform-d	5.067	84	197160	46.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	5.707	65	139171	50.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.260%
32) Benzene-d6	5.732	84	403408	46.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.220%
36) 1,2-Dichloropropane-d6	6.694	67	136189	48.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.220%
41) Toluene-d8	7.903	98	351914	46.609	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.220%
43) trans-1,3-Dichloroprop...	8.182	79	63863	48.517	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.040%
47) 2-Hexanone-d5	8.636	63	155409	103.920	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	207948	49.460	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.920%
66) 1,2-Dichlorobenzene-d4	12.195	152	134883	48.686	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5738	2.258	ug/L	98
3) Chloromethane	1.520	50	8036	2.620	ug/L	95
5) Vinyl chloride	1.604	62	7354	2.550	ug/L #	76
6) Bromomethane	1.861	94	3811	2.567	ug/L	95
8) Chloroethane	1.935	64	4655	2.732	ug/L	99
9) Trichlorofluoromethane	2.141	101	8117	2.378	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6292	3.025	ug/L #	81
12) 1,1-Dichloroethene	2.585	96	5711	2.910	ug/L #	1
13) Acetone	2.646	43	8960	5.578	ug/L	97
14) Carbon disulfide	2.800	76	13955	2.487	ug/L	100
15) Methyl Acetate	2.958	43	8203	3.023	ug/L	96
16) Methylene chloride	3.051	84	6505	2.686	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	5105	2.431	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	19672	2.672	ug/L	99
19) 1,1-Dichloroethane	3.874	63	10582	2.528	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	6230	2.601	ug/L	95
22) 2-Butanone	4.716	43	10500	4.787	ug/L	96
23) Bromochloromethane	4.980	128	2908	2.522	ug/L	95
25) Chloroform	5.092	83	11359	2.712	ug/L	99

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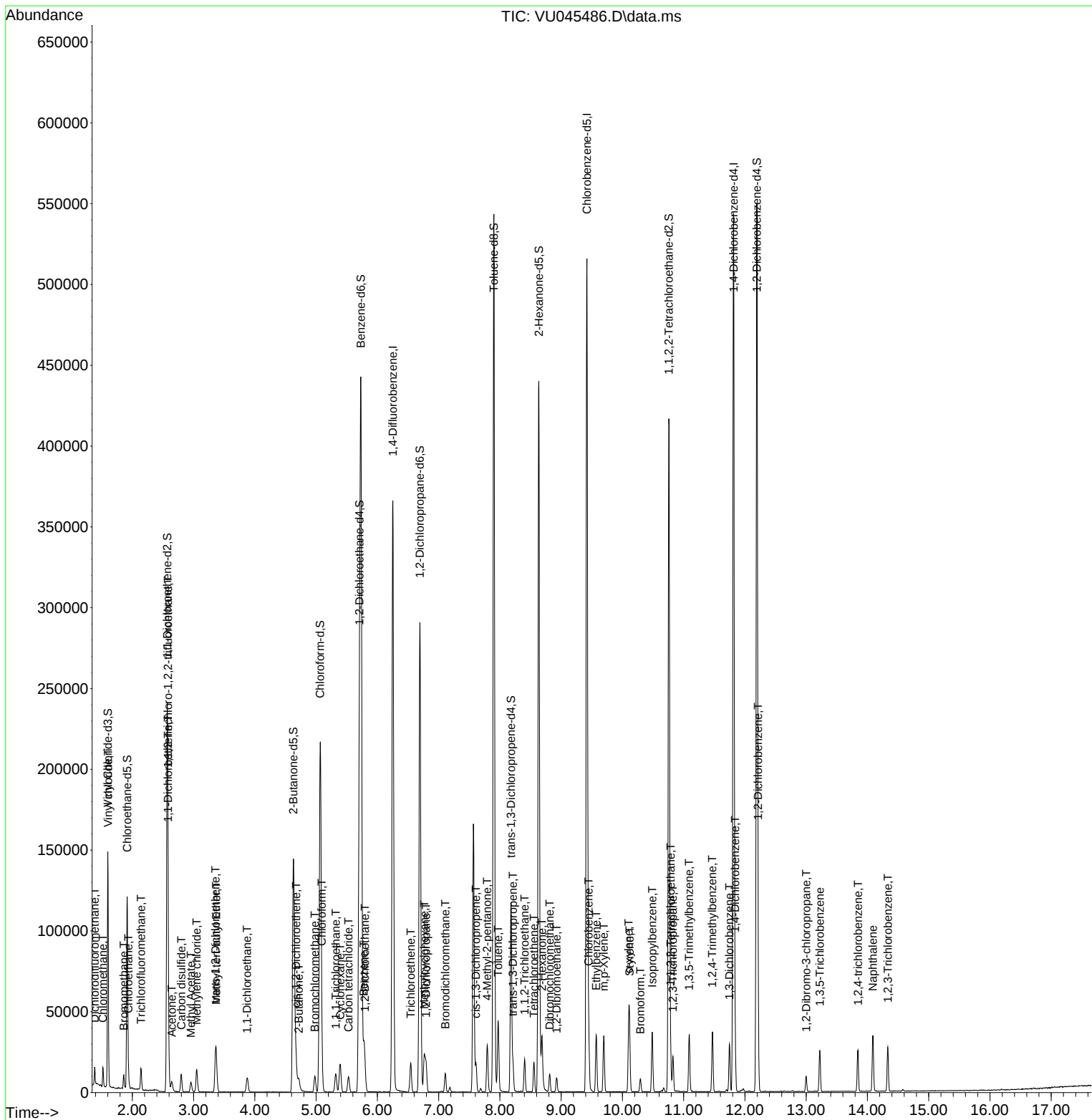
Instrument :
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 ClientSampleId :

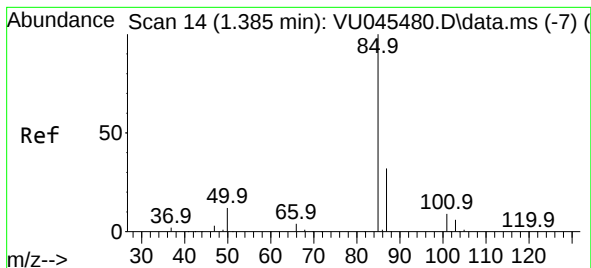
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	9643	2.815	ug/L	96
29) Cyclohexane	5.395	56	9103	2.267	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	8396	2.361	ug/L	98
31) Carbon tetrachloride	5.530	117	6430	2.287	ug/L	99
33) Benzene	5.777	78	24125	2.483	ug/L	100
34) Trichloroethene	6.546	95	5806	2.490	ug/L	97
35) Methylcyclohexane	6.768	83	9092	2.244	ug/L	99
37) 1,2-Dichloropropane	6.797	63	6689	2.594	ug/L #	93
38) Bromodichloromethane	7.108	83	7780	2.399	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	9974	2.528	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	19458	5.112	ug/L	97
42) Toluene	7.973	91	29871	2.955	ug/L	98
44) trans-1,3-Dichloropropene	8.215	75	11972	3.218	ug/L	85
45) 1,1,2-Trichloroethane	8.404	97	6309	2.634	ug/L	96
46) Tetrachloroethene	8.555	164	3796	2.295	ug/L	93
48) 2-Hexanone	8.687	43	20166	6.361	ug/L	99
49) Dibromochloromethane	8.813	129	5730	2.483	ug/L	99
50) 1,2-Dibromoethane	8.925	107	6511	2.590	ug/L #	96
51) Chlorobenzene	9.449	112	16019	2.623	ug/L	98
52) Ethylbenzene	9.571	91	25462	2.375	ug/L	100
53) m,p-Xylene	9.697	106	9934	2.421	ug/L	85
54) o-xylene	10.102	106	9609	2.364	ug/L	98
55) Styrene	10.118	104	15153	2.219	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.787	83	11600	2.726	ug/L	99
59) Bromoform	10.295	173	3872	2.452	ug/L #	92
60) 1,2,3-Trichloropropane	10.825	75	9387	2.784	ug/L	98
61) Isopropylbenzene	10.488	105	23776	2.349	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	19285	2.237	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	19833	2.264	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	10908	2.437	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	12053	2.661	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	12220	2.638	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	2485	2.524	ug/L	94
69) 1,3,5-Trichlorobenzene	13.224	180	7715	2.337	ug/L	98
70) 1,2,4-trichlorobenzene	13.845	180	7559	2.506	ug/L	98
71) Naphthalene	14.089	128	27679	2.408	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	8160	2.643	ug/L	97

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

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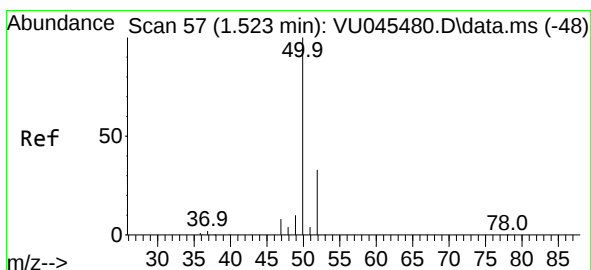
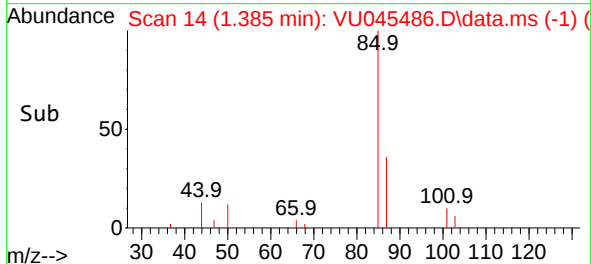
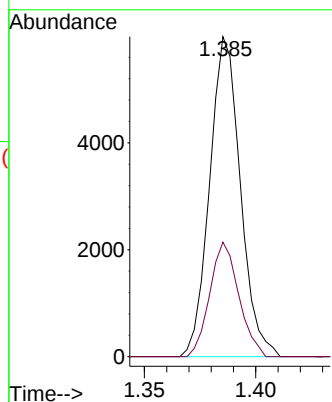
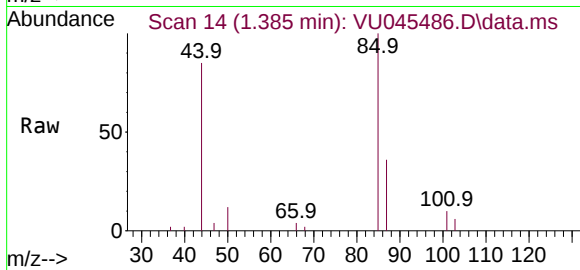




#2
Dichlorodifluoromethane
Concen: 2.258 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

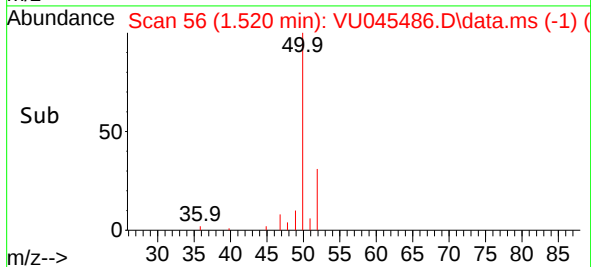
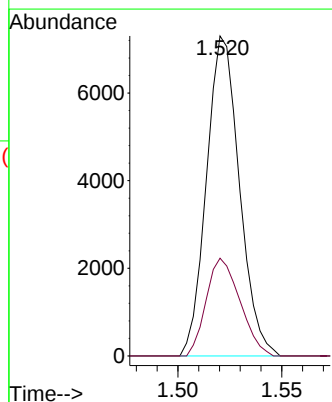
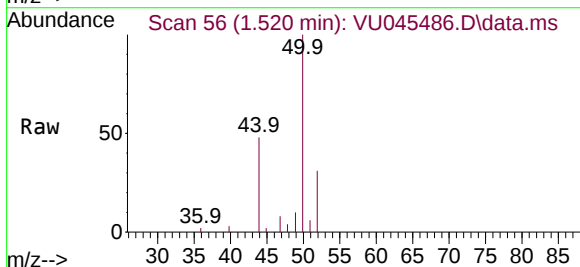
Instrument :
MSVOA_U
ClientSampleId :

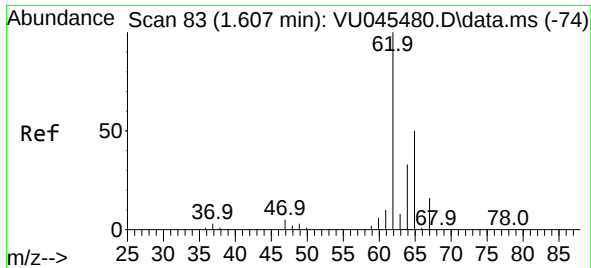
Tgt Ion: 85 Resp: 5738
Ion Ratio Lower Upper
85 100
87 33.8 26.0 39.0



#3
Chloromethane
Concen: 2.620 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 50 Resp: 8036
Ion Ratio Lower Upper
50 100
52 30.5 23.2 43.2

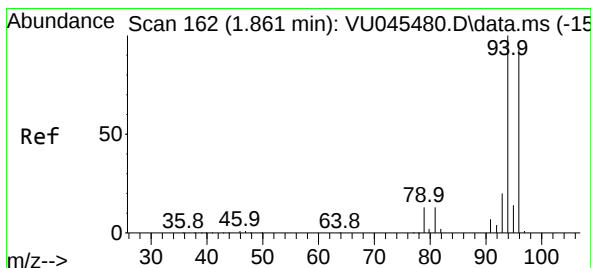
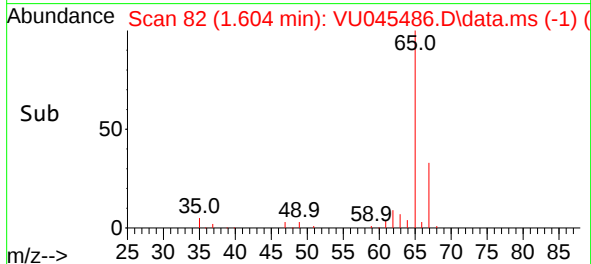
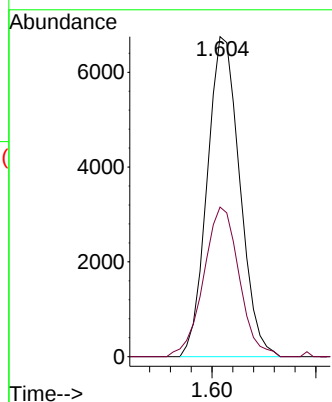
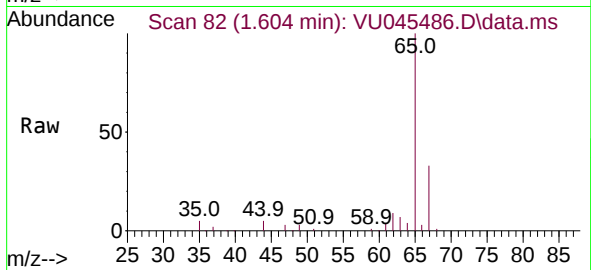




#5
 Vinyl chloride
 Concen: 2.550 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

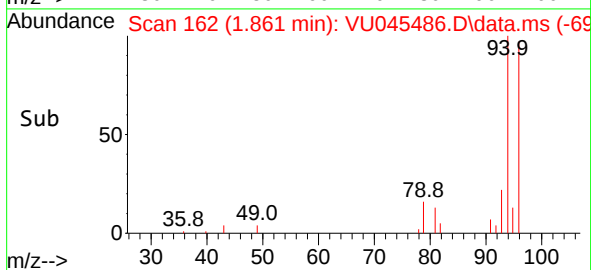
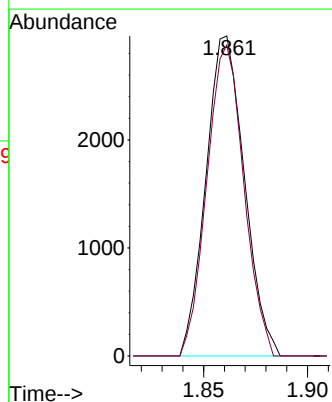
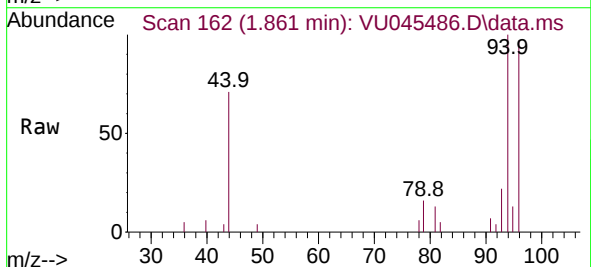
Instrument :
 MSVOA_U
 ClientSampleId :

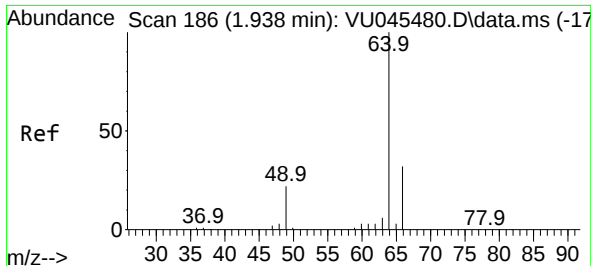
Tgt Ion: 62 Resp: 7354
 Ion Ratio Lower Upper
 62 100
 64 46.7 23.3 43.3#



#6
 Bromomethane
 Concen: 2.567 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

Tgt Ion: 94 Resp: 3811
 Ion Ratio Lower Upper
 94 100
 96 97.1 64.9 120.5

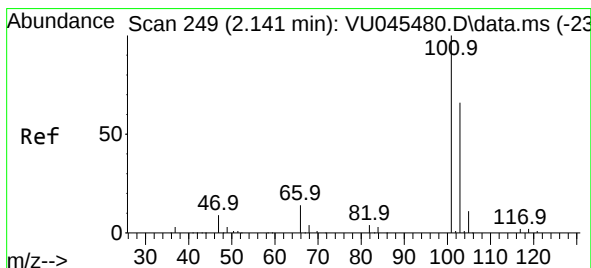
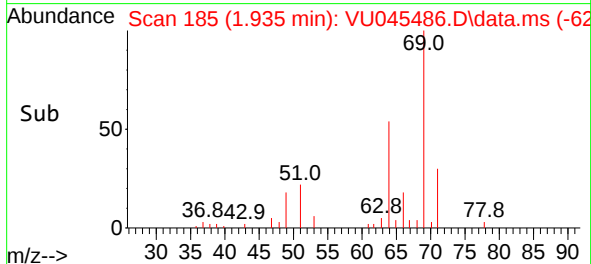
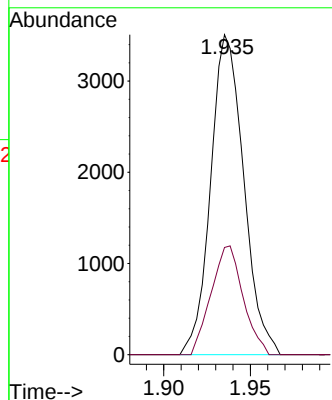
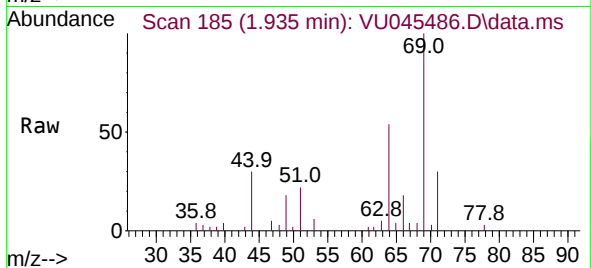




#8
Chloroethane
Concen: 2.732 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.003 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

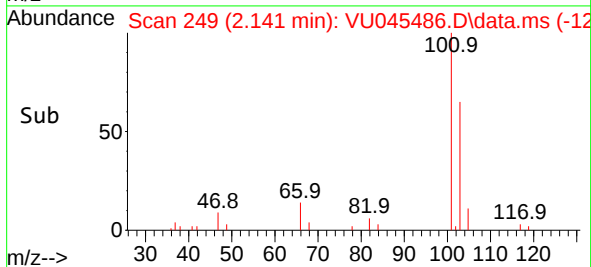
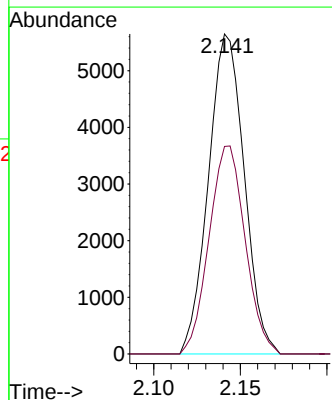
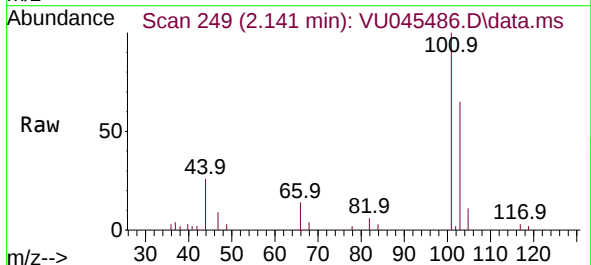
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ClientSampleId :

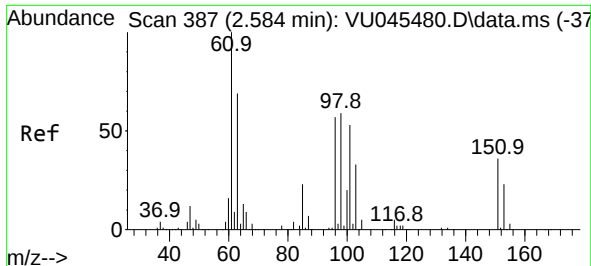
Tgt Ion: 64 Resp: 4655
Ion Ratio Lower Upper
64 100
66 33.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 2.378 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 101 Resp: 8117
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.025 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

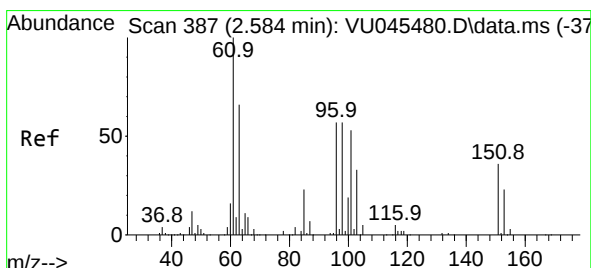
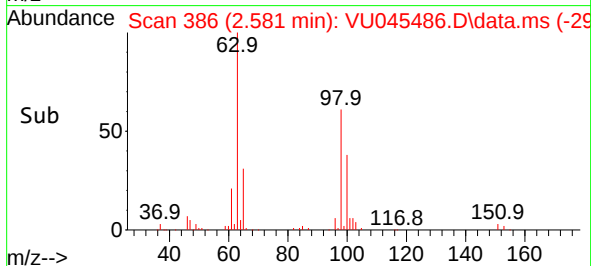
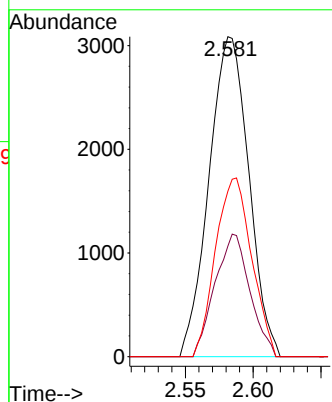
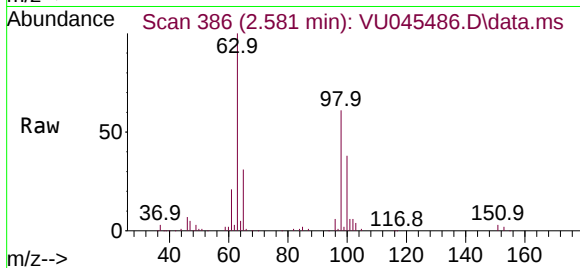
Tgt Ion:101 Resp: 6292

Ion Ratio Lower Upper

101 100

85 33.6 34.8 52.2#

151 50.7 54.6 81.8#



#12

1,1-Dichloroethene

Concen: 2.910 ug/L

RT: 2.585 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

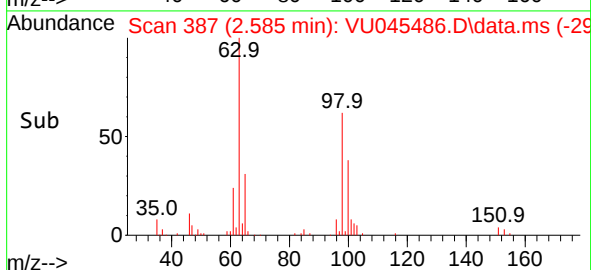
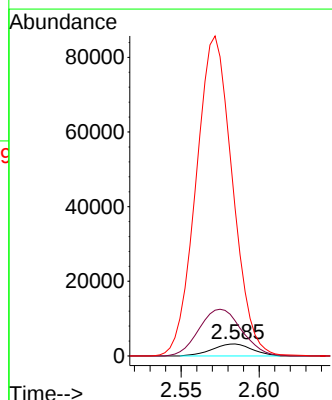
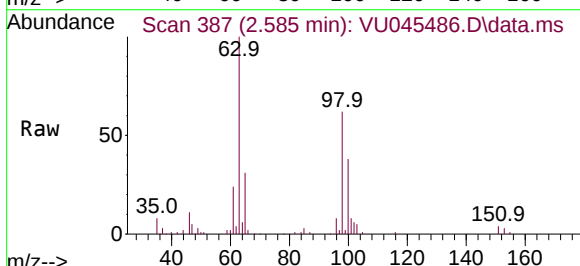
Tgt Ion: 96 Resp: 5711

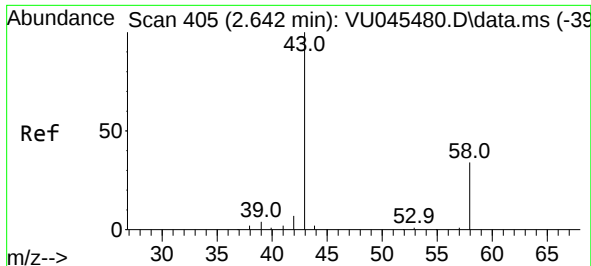
Ion Ratio Lower Upper

96 100

61 293.3 126.3 234.5#

63 1232.5 89.2 165.8#





#13

Acetone

Concen: 5.578 ug/L

RT: 2.646 min Scan# 405

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

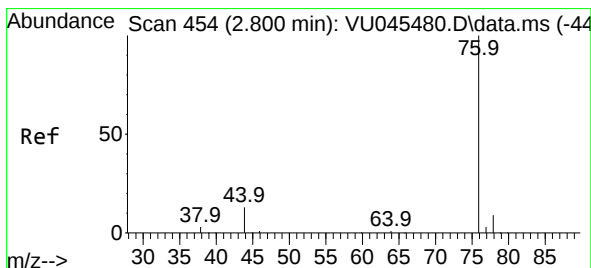
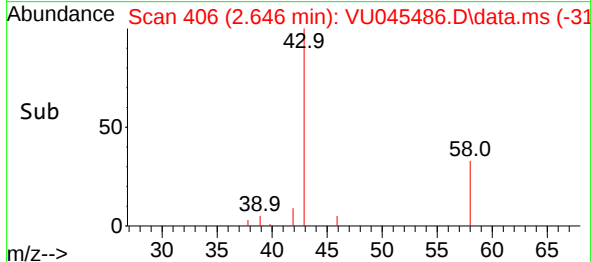
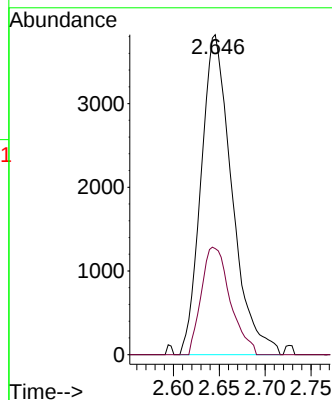
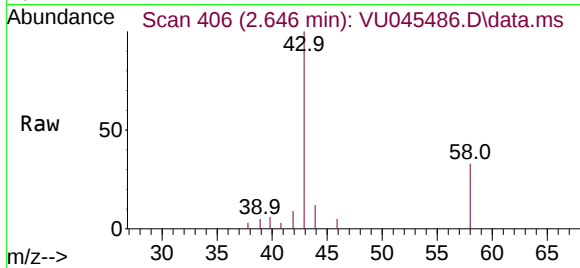
ClientSampleId :

Tgt Ion: 43 Resp: 8960

Ion Ratio Lower Upper

43 100

58 31.4 0.0 66.2



#14

Carbon disulfide

Concen: 2.487 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU045486.D

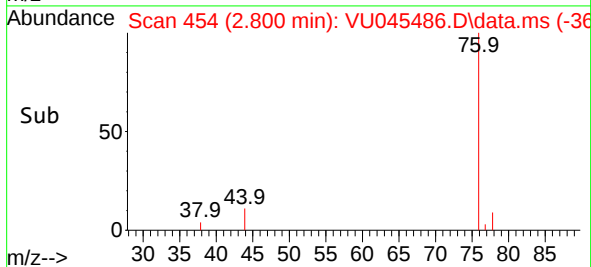
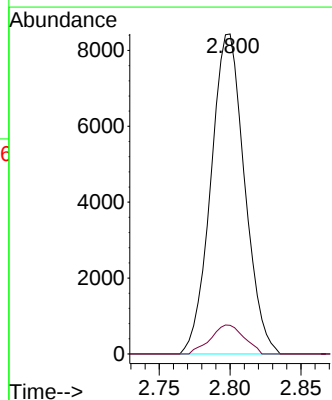
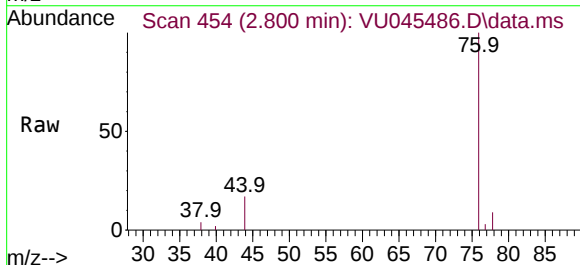
Acq: 01 Nov 2021 13:30

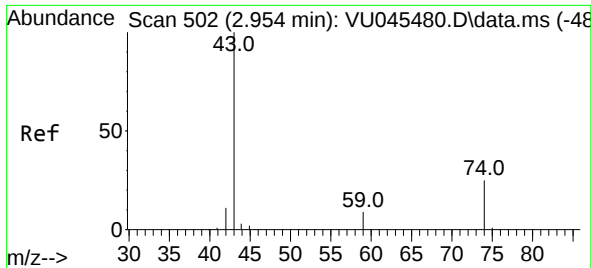
Tgt Ion: 76 Resp: 13955

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

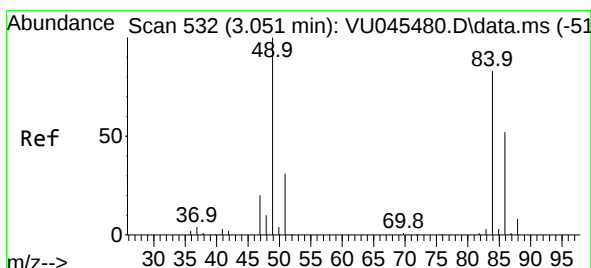
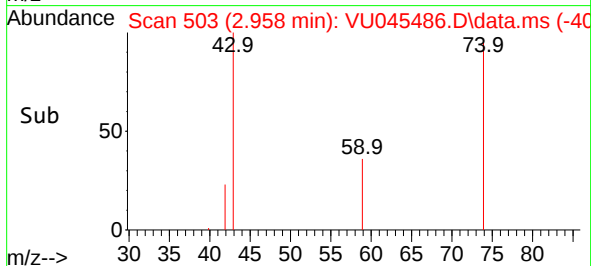
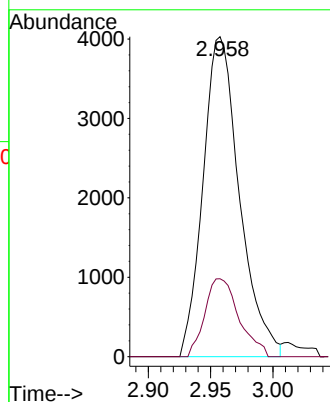
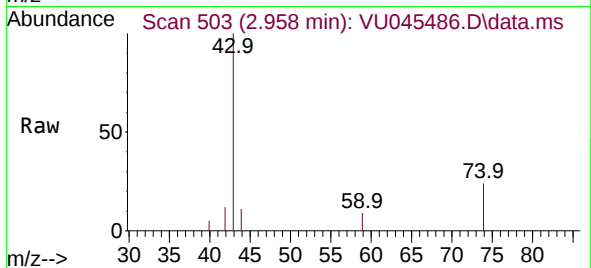




#15
Methyl Acetate
Concen: 3.023 ug/L
RT: 2.958 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

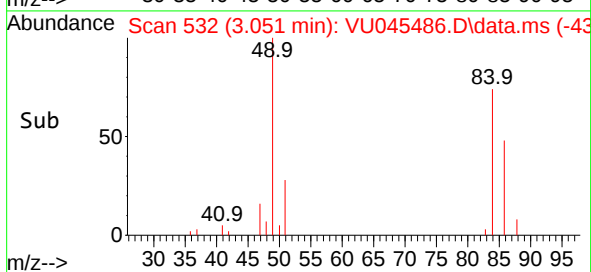
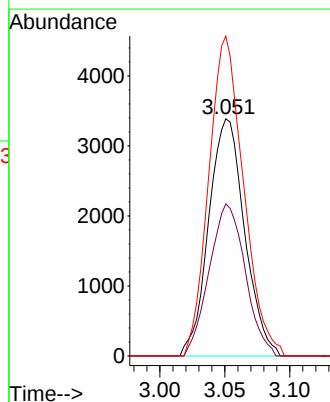
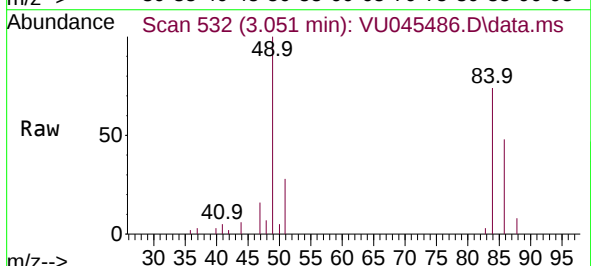
Instrument :
MSVOA_U
ClientSampleId :

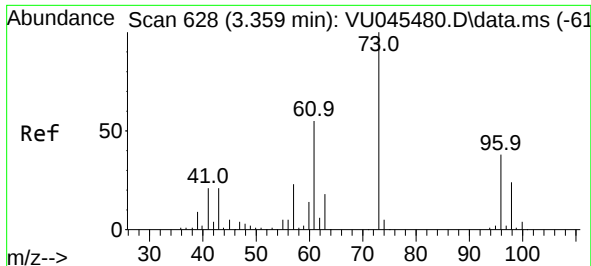
Tgt Ion: 43 Resp: 8203
Ion Ratio Lower Upper
43 100
74 22.8 20.0 30.0



#16
Methylene chloride
Concen: 2.686 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 84 Resp: 6505
Ion Ratio Lower Upper
84 100
86 64.1 45.8 85.2
49 135.0 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 2.431 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

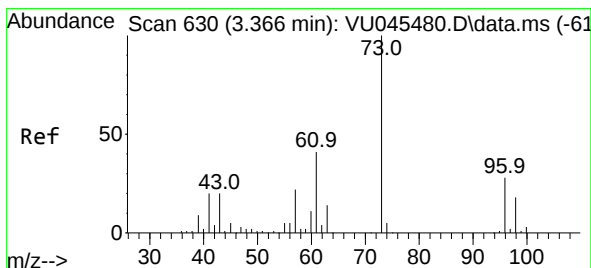
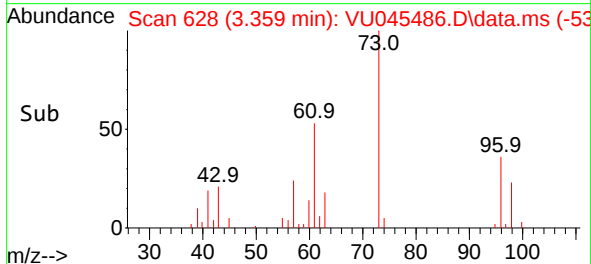
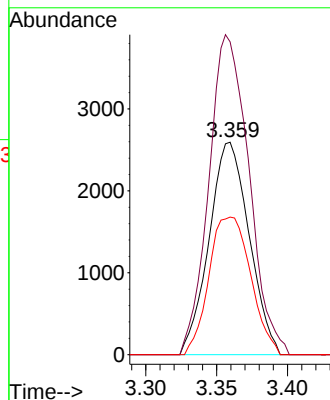
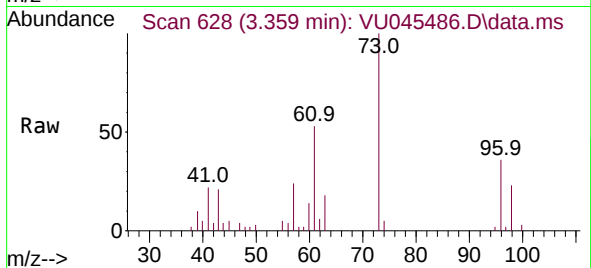
Tgt Ion: 96 Resp: 5105

Ion Ratio Lower Upper

96 100

61 147.2 101.8 189.2

98 64.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 2.672 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

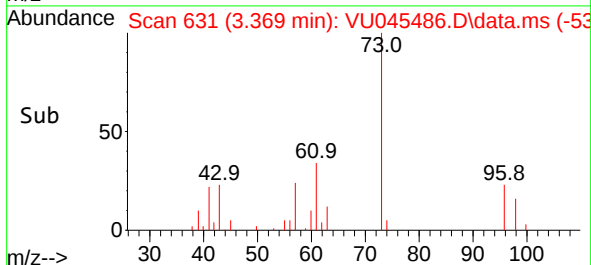
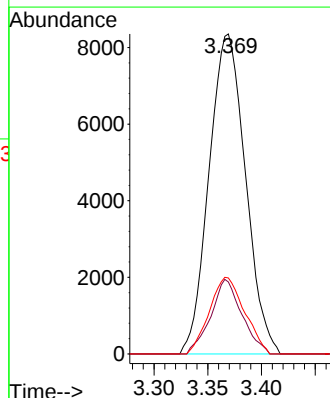
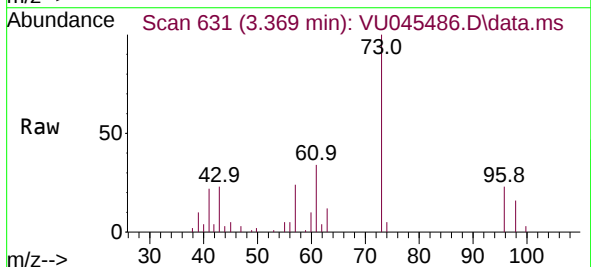
Tgt Ion: 73 Resp: 19672

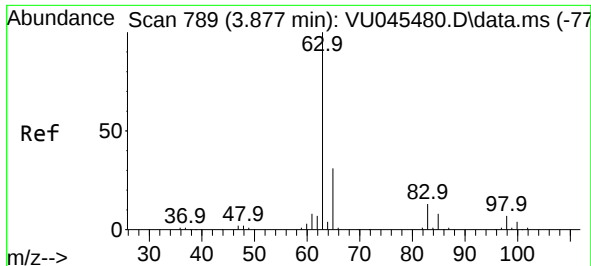
Ion Ratio Lower Upper

73 100

43 19.9 16.2 24.4

57 23.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 2.528 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

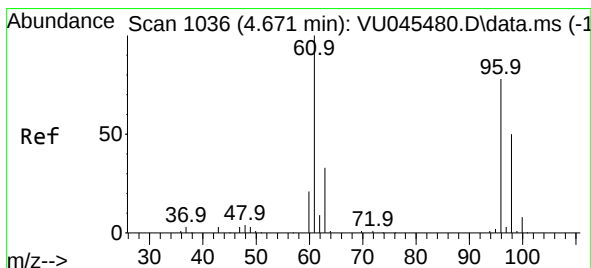
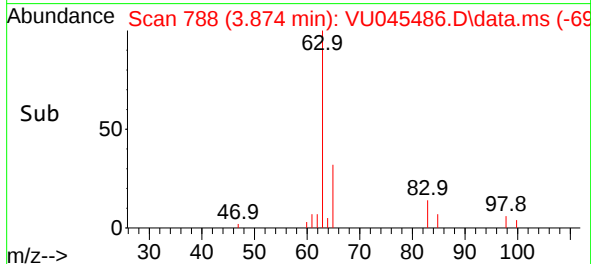
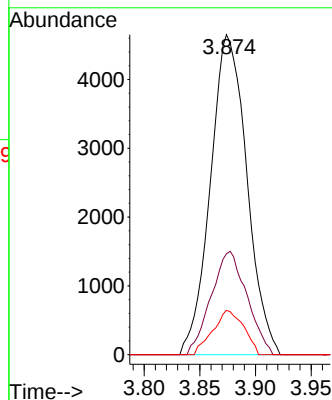
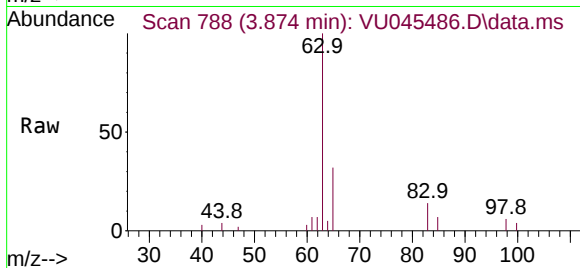
Tgt Ion: 63 Resp: 10582

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 13.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 2.601 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

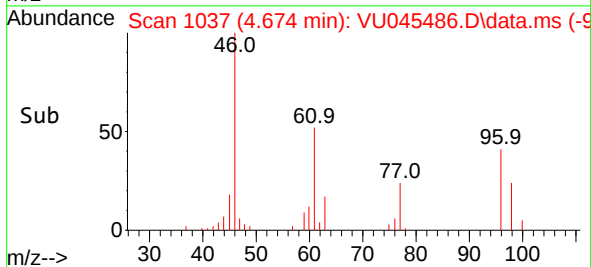
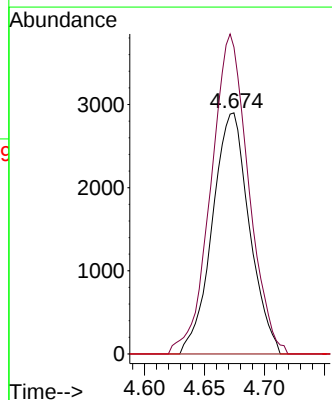
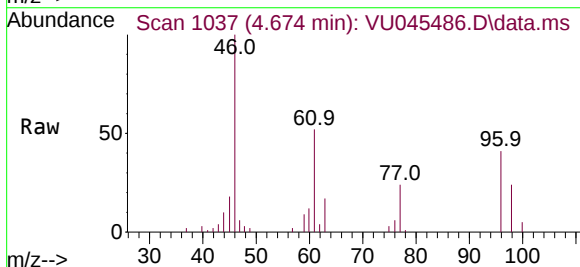
Tgt Ion: 96 Resp: 6230

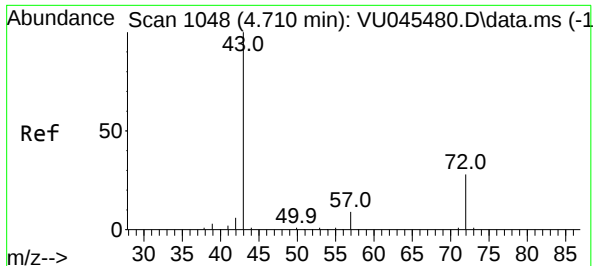
Ion Ratio Lower Upper

96 100

61 127.2 92.8 172.4

68 0.0 0.0 0.0

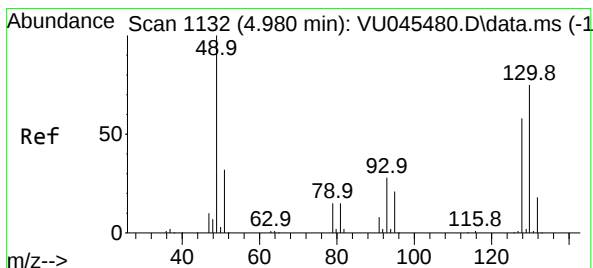
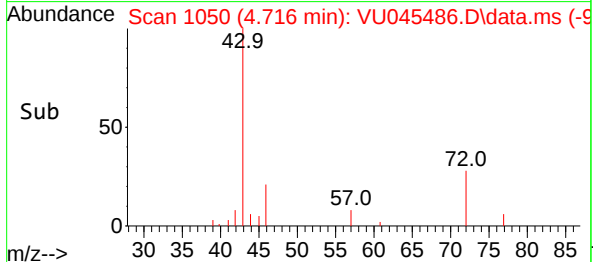
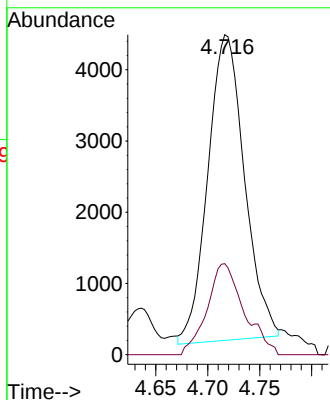
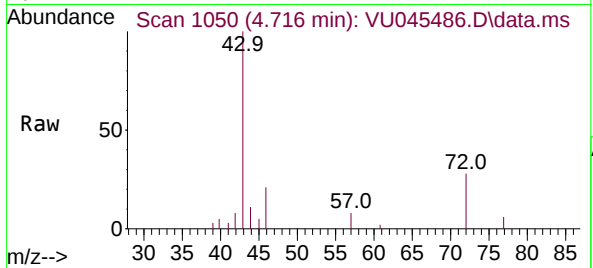




#22
2-Butanone
Concen: 4.787 ug/L
RT: 4.716 min Scan# 1048
Delta R.T. 0.006 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

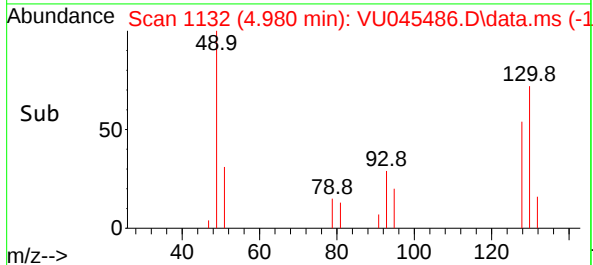
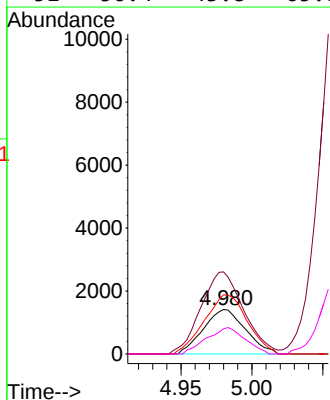
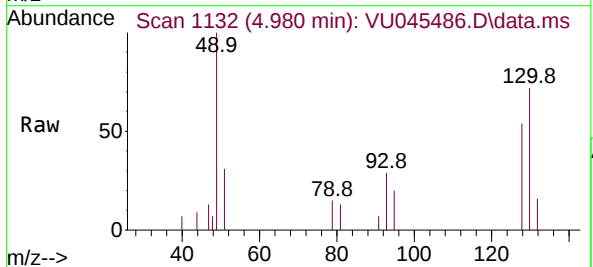
Instrument :
MSVOA_U
ClientSampleId :

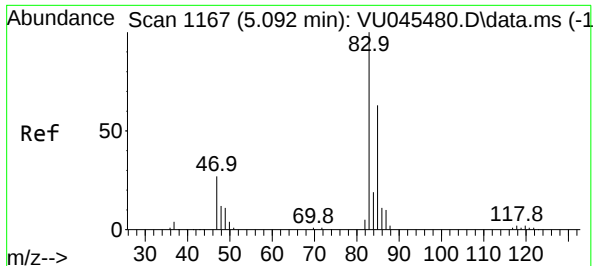
Tgt Ion: 43 Resp: 10500
Ion Ratio Lower Upper
43 100
72 26.7 14.4 43.2



#23
Bromochloromethane
Concen: 2.522 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 128 Resp: 2908
Ion Ratio Lower Upper
128 100
49 184.6 123.1 228.5
130 132.8 89.8 166.8
51 56.4 43.8 65.8





#25

Chloroform

Concen: 2.712 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

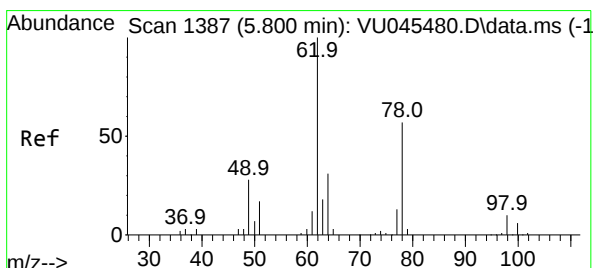
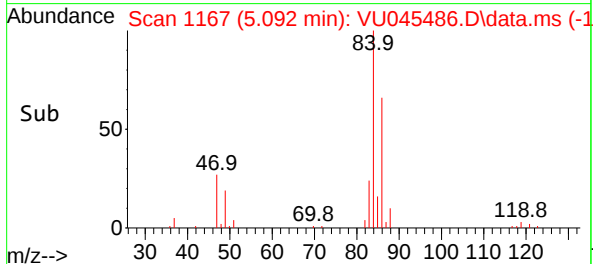
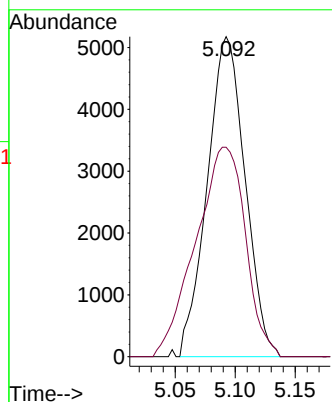
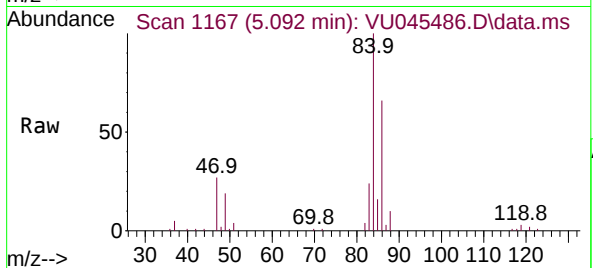
ClientSampleId :

Tgt Ion: 83 Resp: 11359

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6



#27

1,2-Dichloroethane

Concen: 2.815 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU045486.D

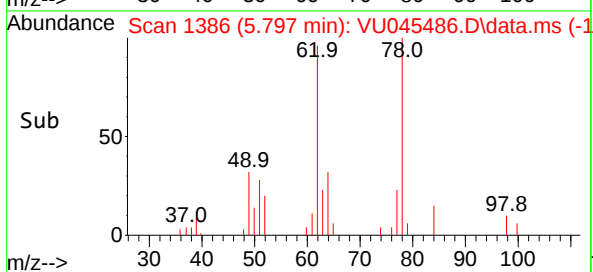
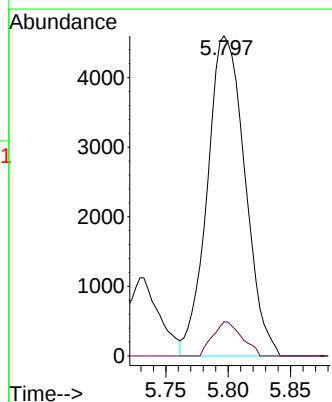
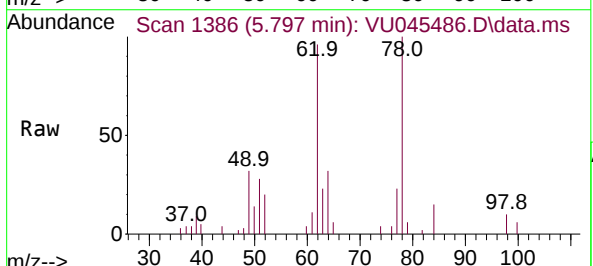
Acq: 01 Nov 2021 13:30

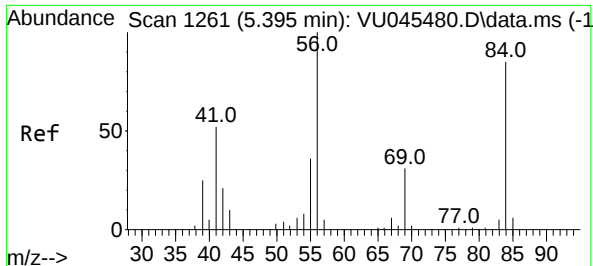
Tgt Ion: 62 Resp: 9643

Ion Ratio Lower Upper

62 100

98 10.7 7.4 11.0





#29

Cyclohexane

Concen: 2.267 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

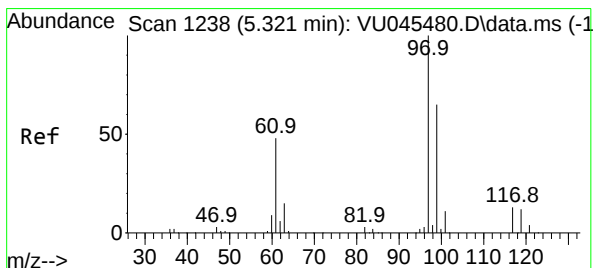
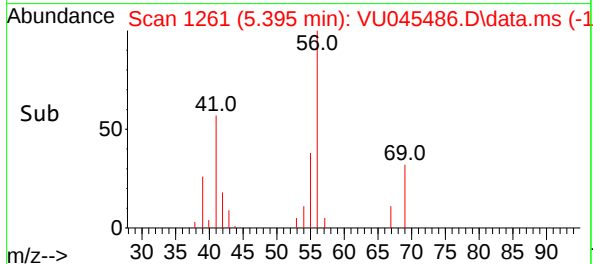
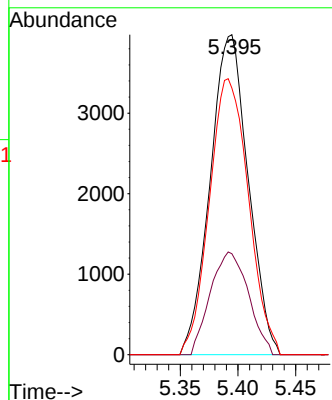
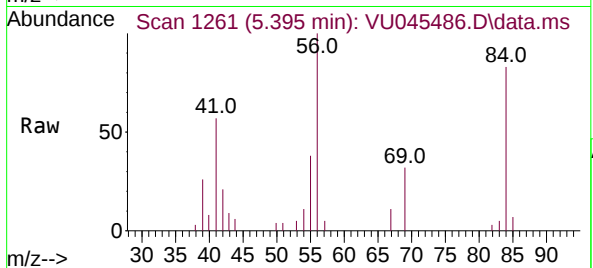
Tgt Ion: 56 Resp: 9103

Ion Ratio Lower Upper

56 100

69 32.1 25.0 37.4

84 88.8 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 2.361 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

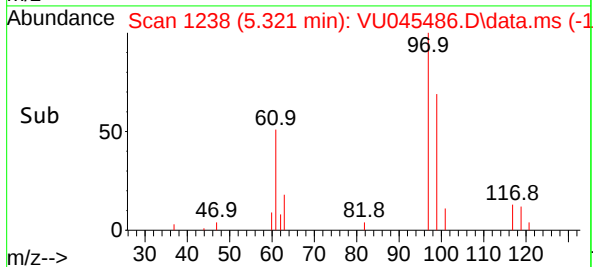
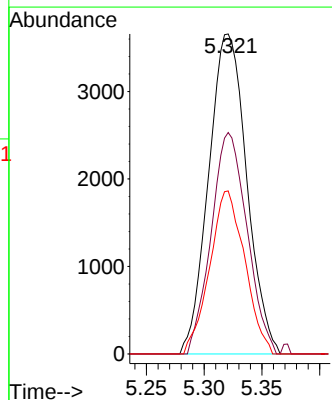
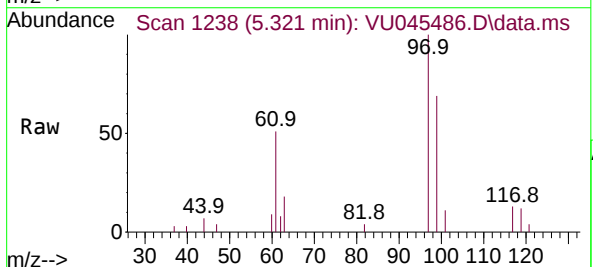
Tgt Ion: 97 Resp: 8396

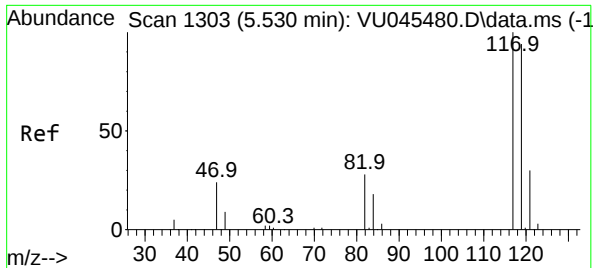
Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 46.9 38.8 58.2

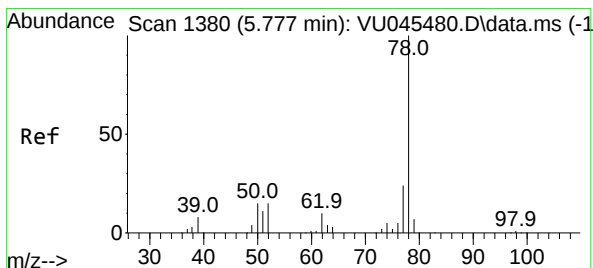
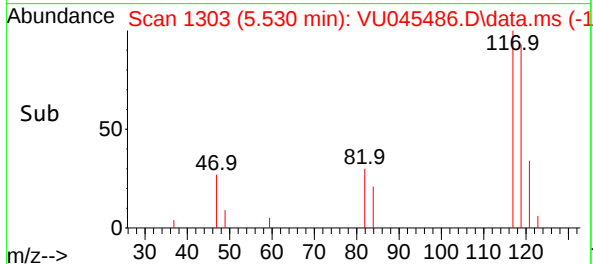
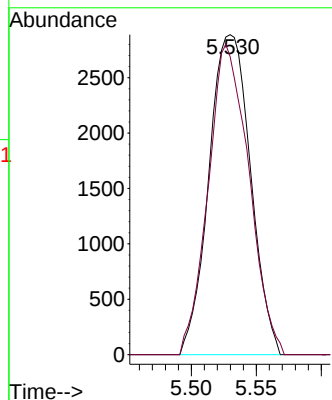
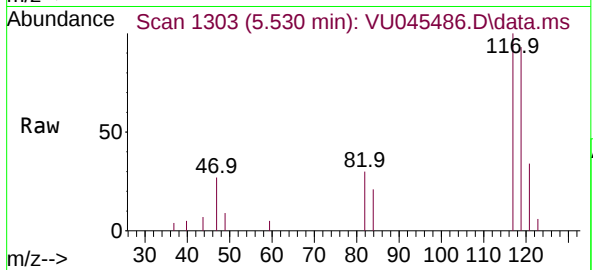




#31
Carbon tetrachloride
Concen: 2.287 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

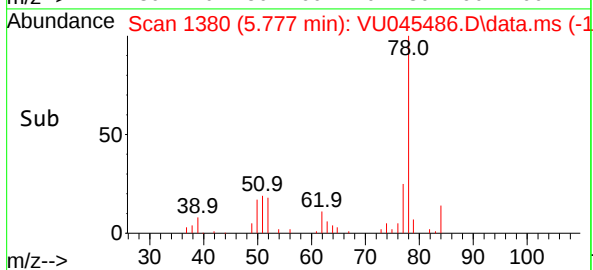
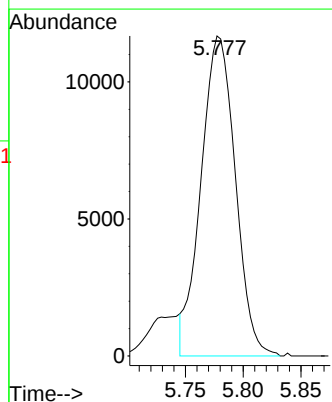
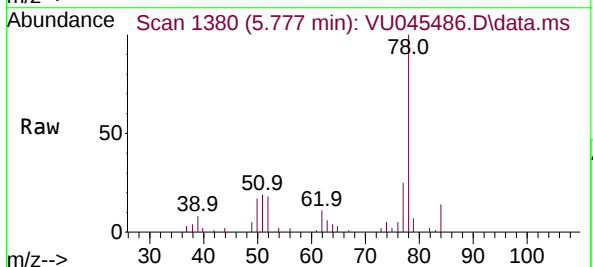
Instrument :
MSVOA_U
ClientSampleId :

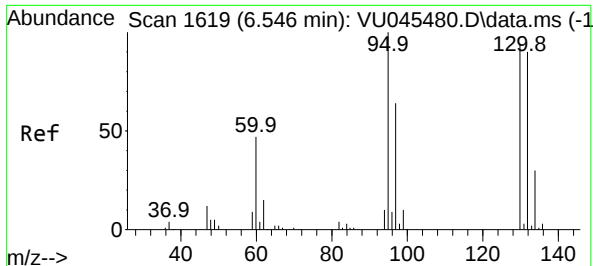
Tgt Ion:117 Resp: 6430
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4



#33
Benzene
Concen: 2.483 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 78 Resp: 24125

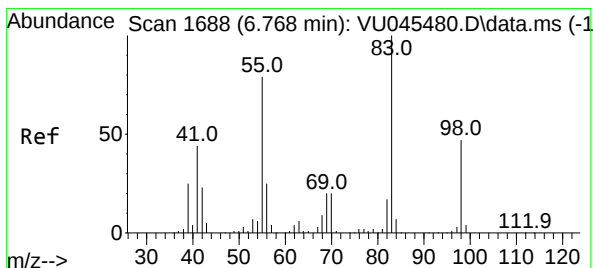
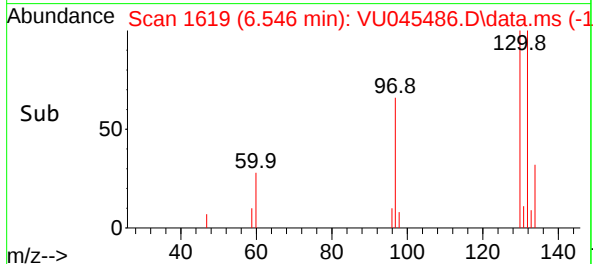
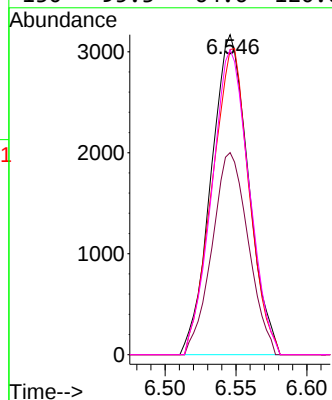
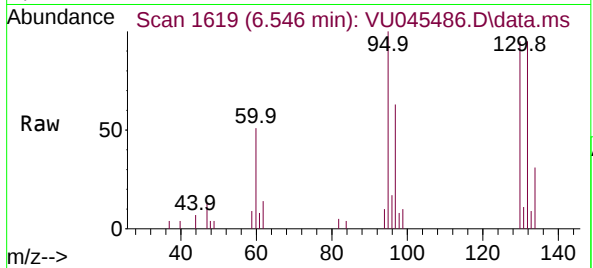




#34
Trichloroethene
Concen: 2.490 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

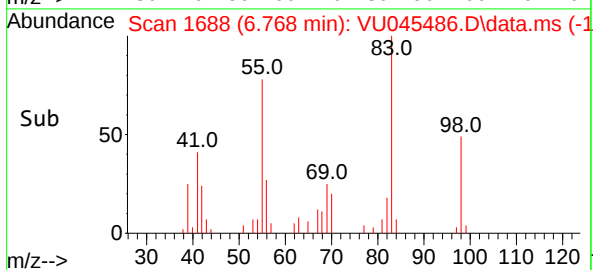
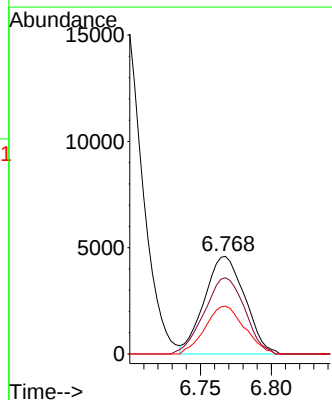
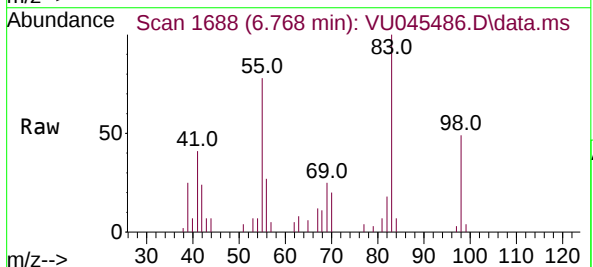
Instrument :
MSVOA_U
ClientSampleId :

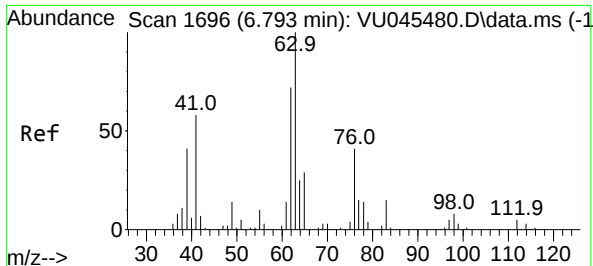
Tgt Ion: 95 Resp: 5806
Ion Ratio Lower Upper
95 100
97 63.2 45.0 83.6
132 95.4 63.3 117.7
130 95.3 64.6 120.0



#35
Methylcyclohexane
Concen: 2.244 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 83 Resp: 9092
Ion Ratio Lower Upper
83 100
55 78.1 62.8 94.2
98 47.5 37.4 56.2





#37

1,2-Dichloropropane

Concen: 2.594 ug/L

RT: 6.797 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

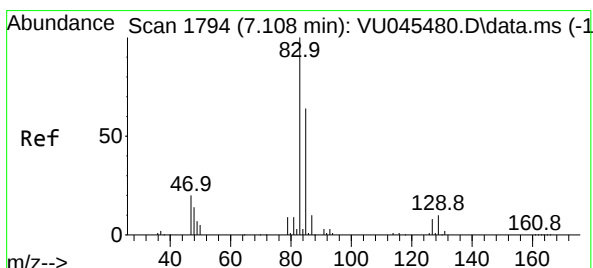
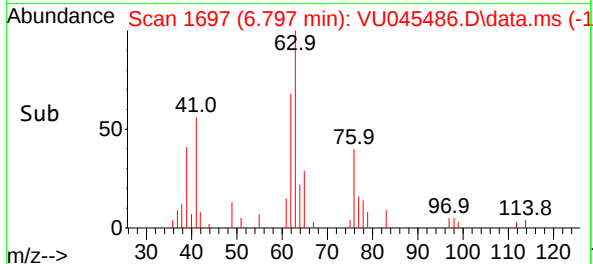
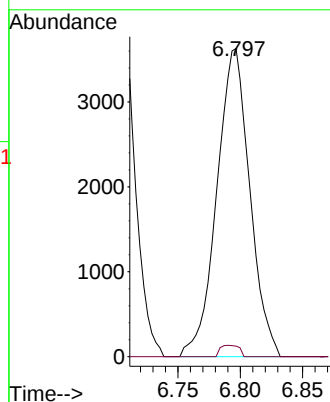
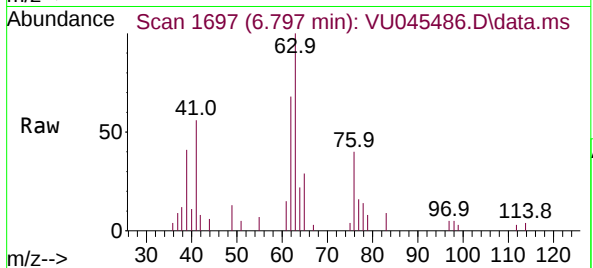
ClientSampleId :

Tgt Ion: 63 Resp: 6689

Ion Ratio Lower Upper

63 100

112 2.1 3.4 5.2#



#38

Bromodichloromethane

Concen: 2.399 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

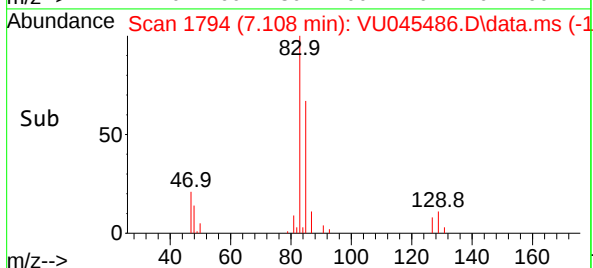
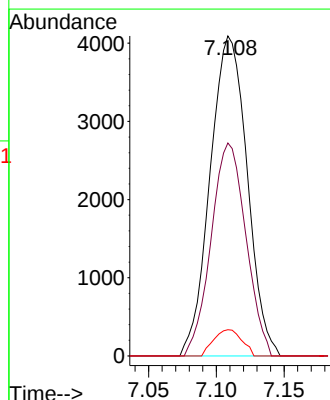
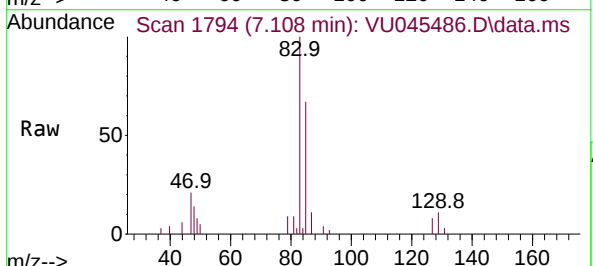
Tgt Ion: 83 Resp: 7780

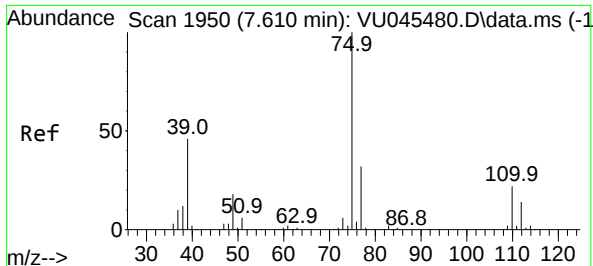
Ion Ratio Lower Upper

83 100

85 66.6 45.1 83.9

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.528 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

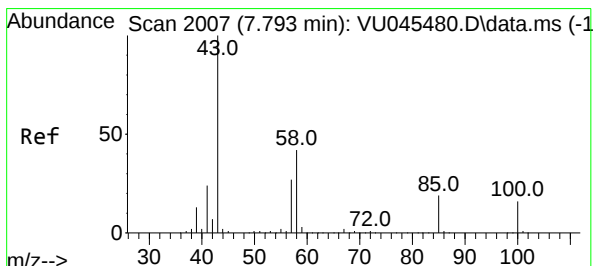
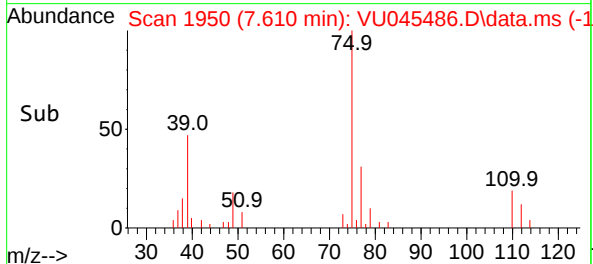
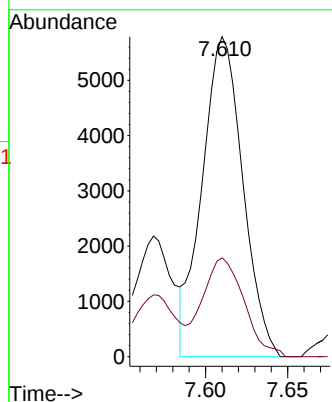
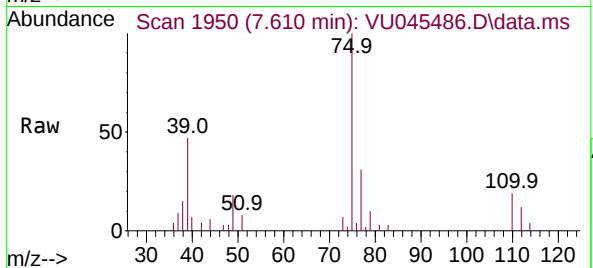
ClientSampleId :

Tgt Ion: 75 Resp: 9974

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 5.112 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

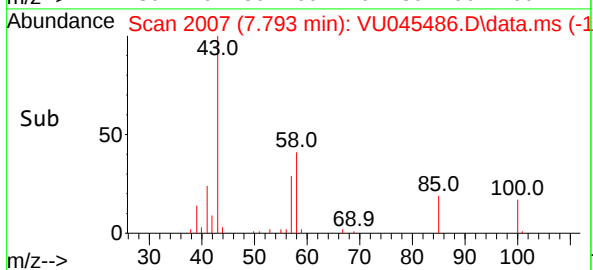
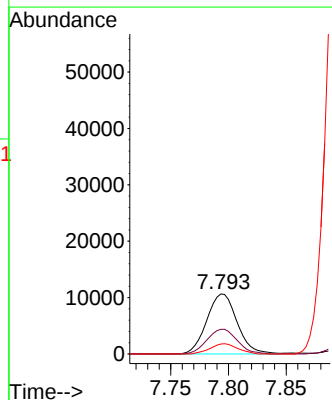
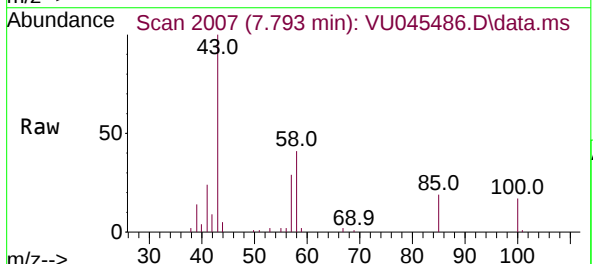
Tgt Ion: 43 Resp: 19458

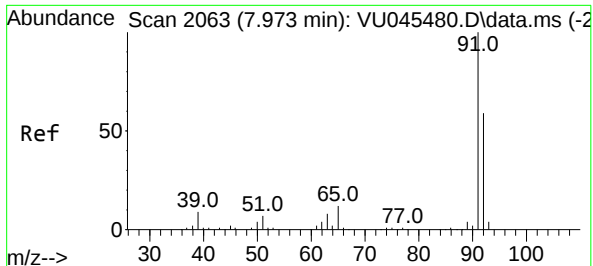
Ion Ratio Lower Upper

43 100

58 40.8 33.9 50.9

100 15.4 13.3 19.9





#42

Toluene

Concen: 2.955 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

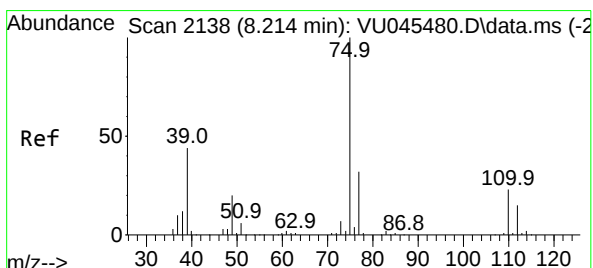
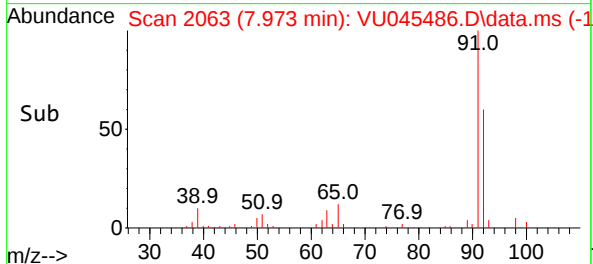
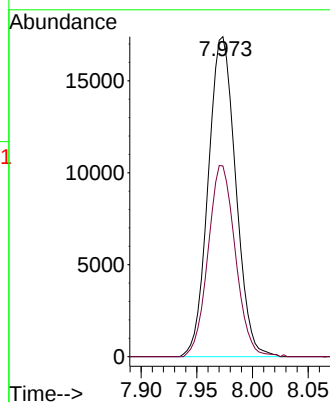
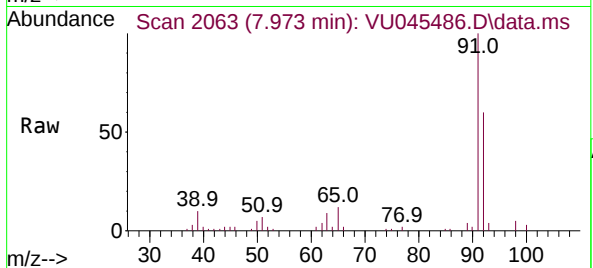
ClientSampleId :

Tgt Ion: 91 Resp: 29871

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 3.218 ug/L

RT: 8.215 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU045486.D

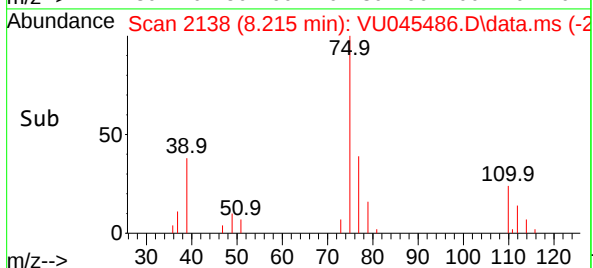
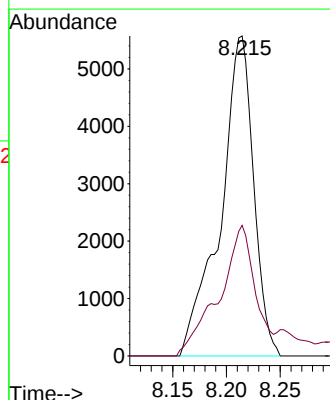
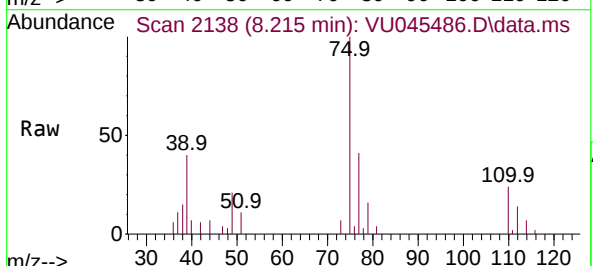
Acq: 01 Nov 2021 13:30

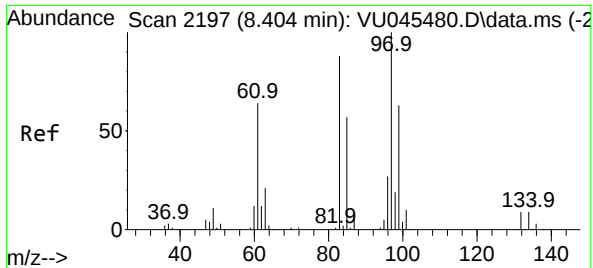
Tgt Ion: 75 Resp: 11972

Ion Ratio Lower Upper

75 100

77 40.8 22.7 42.1



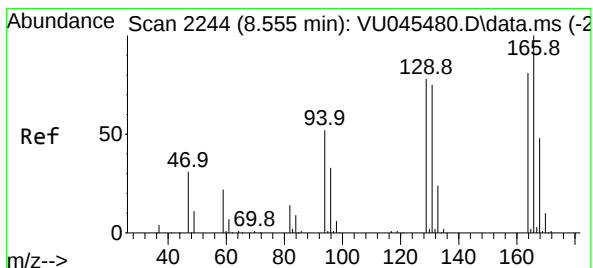
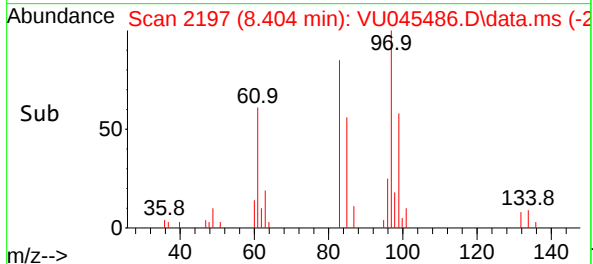
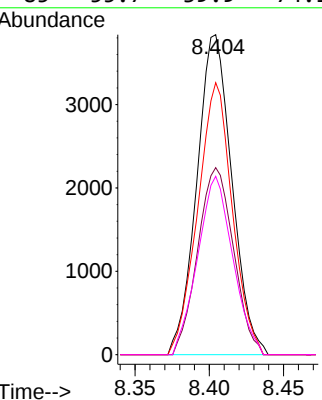
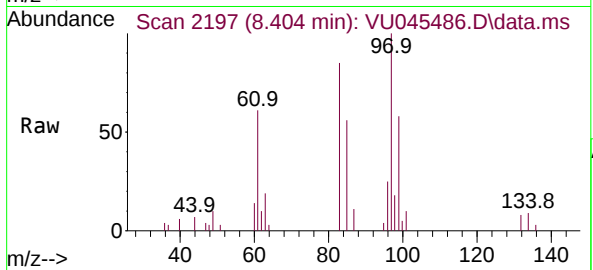


#45
1,1,2-Trichloroethane
Concen: 2.634 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 6309

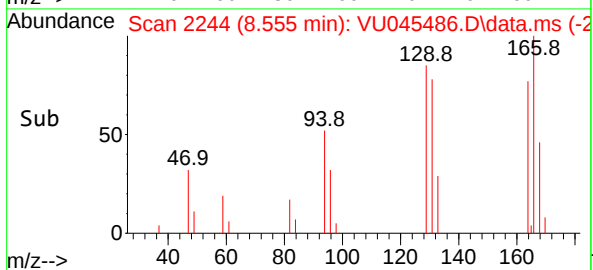
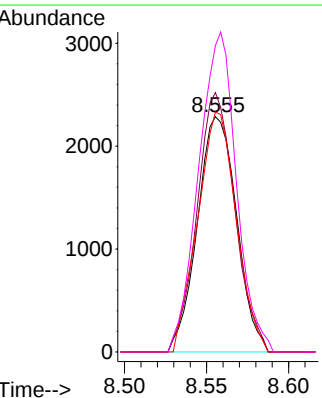
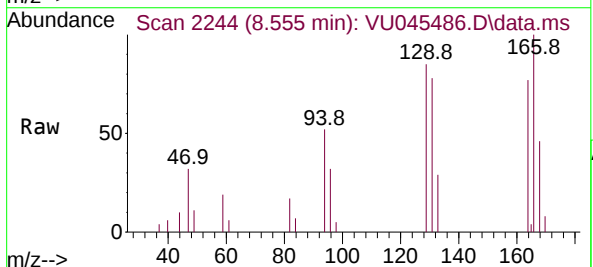
Ion	Ratio	Lower	Upper
97	100		
99	58.4	44.7	82.9
83	85.0	61.5	114.1
85	55.7	39.9	74.1

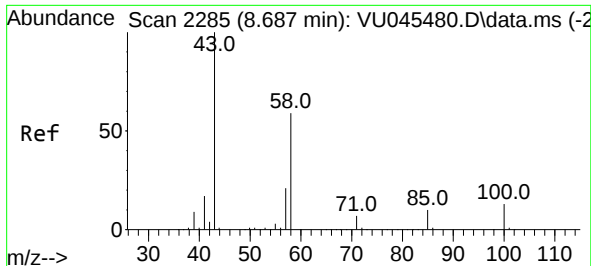


#46
Tetrachloroethene
Concen: 2.295 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 164 Resp: 3796

Ion	Ratio	Lower	Upper
164	100		
129	110.1	66.8	124.2
131	101.9	65.6	121.8
166	130.2	90.4	168.0

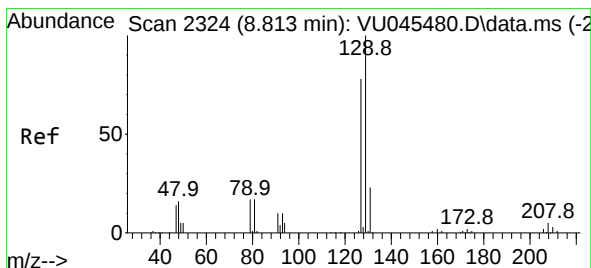
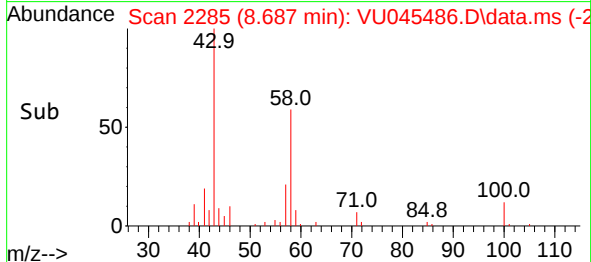
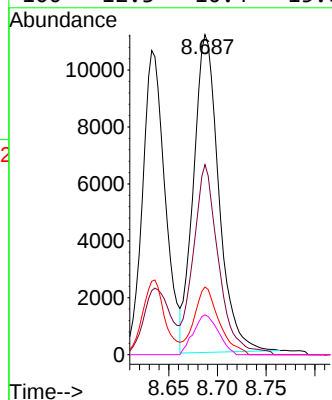
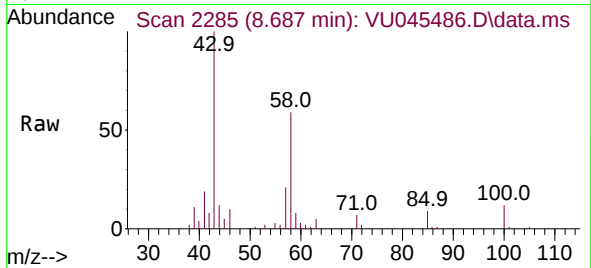




#48
2-Hexanone
Concen: 6.361 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

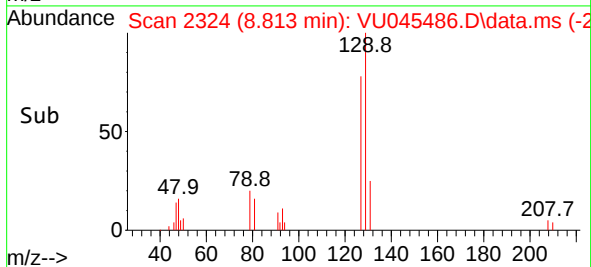
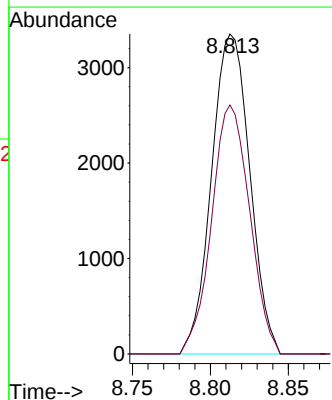
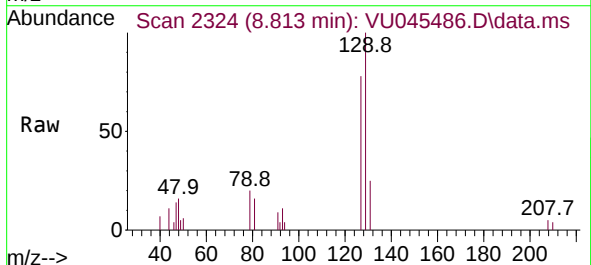
Instrument :
MSVOA_U
ClientSampleId :

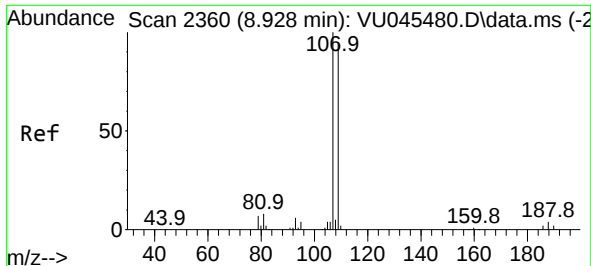
Tgt Ion:	43	Resp:	20166
Ion	Ratio	Lower	Upper
43	100		
58	59.5	47.0	70.4
57	21.1	16.3	24.5
100	12.3	10.4	15.6



#49
Dibromochloromethane
Concen: 2.483 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion:	129	Resp:	5730
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.9	101.9





#50

1,2-Dibromoethane

Concen: 2.590 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU045486.D

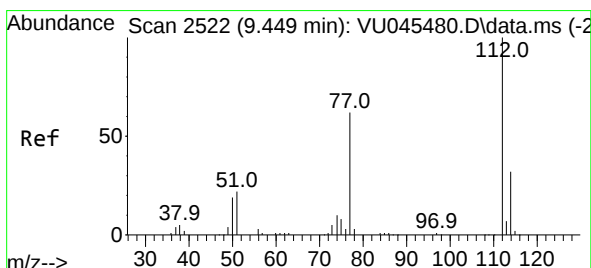
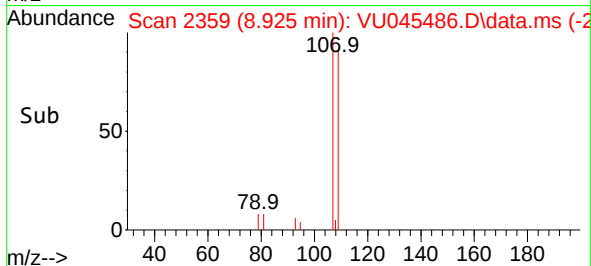
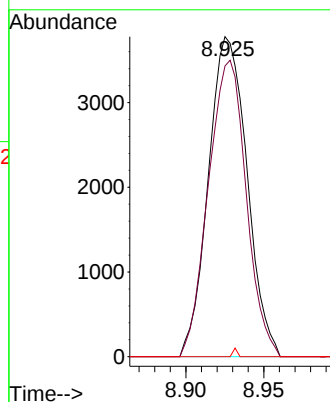
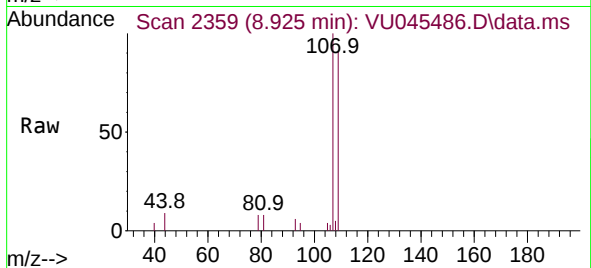
Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	6511
Ion	Ratio	Lower	Upper
107	100		
109	90.9	66.1	122.8
188	0.0	2.8	4.2#



#51

Chlorobenzene

Concen: 2.623 ug/L

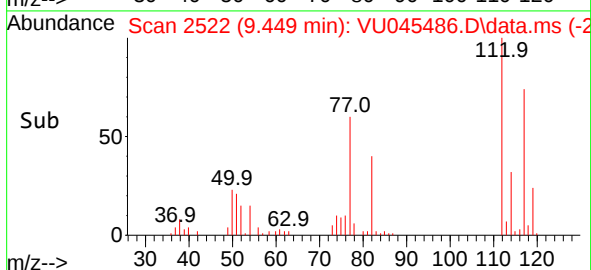
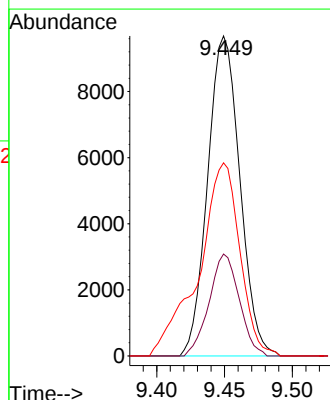
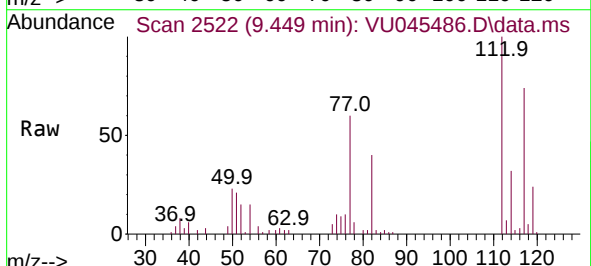
RT: 9.449 min Scan# 2522

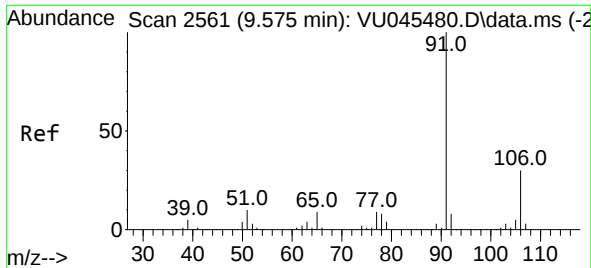
Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Tgt Ion:	112	Resp:	16019
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	60.4	49.8	74.6

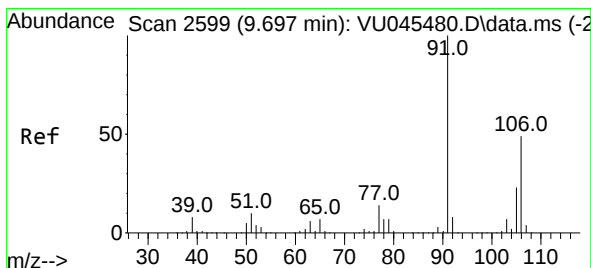
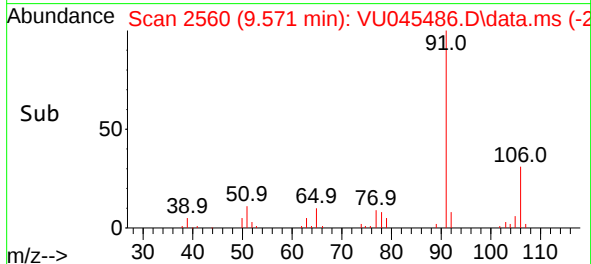
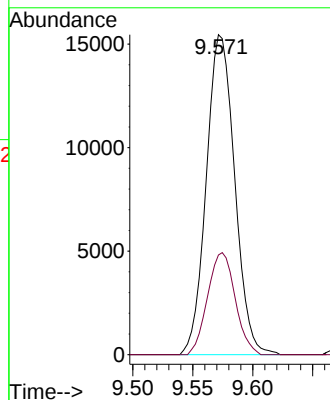
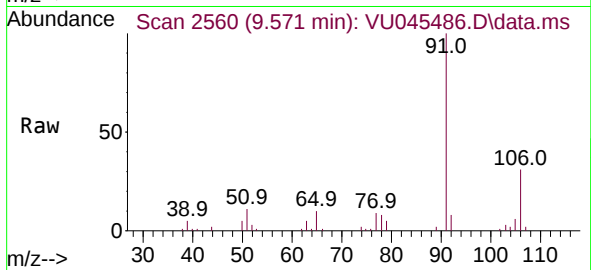




#52
Ethylbenzene
Concen: 2.375 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

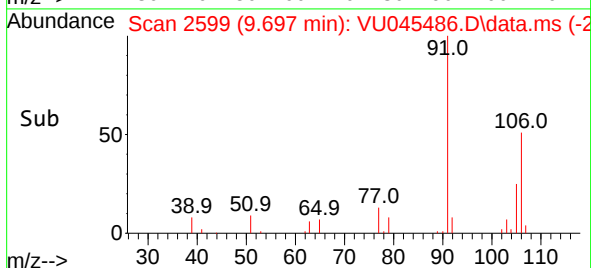
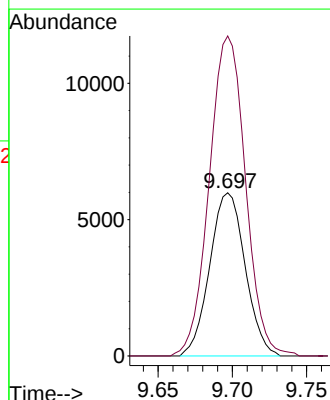
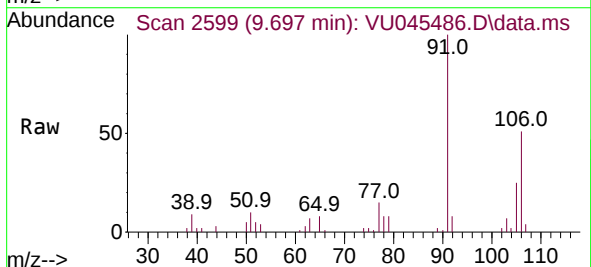
Instrument :
MSVOA_U
ClientSampleId :

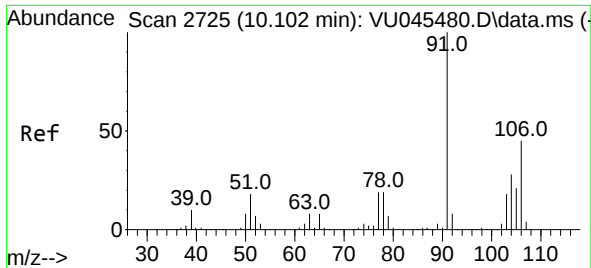
Tgt Ion: 91 Resp: 25462
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-Xylene
Concen: 2.421 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion: 106 Resp: 9934
Ion Ratio Lower Upper
106 100
91 180.4 142.2 264.2

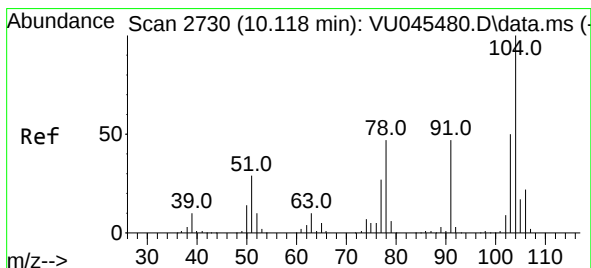
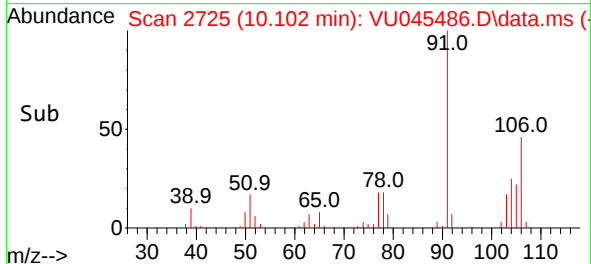
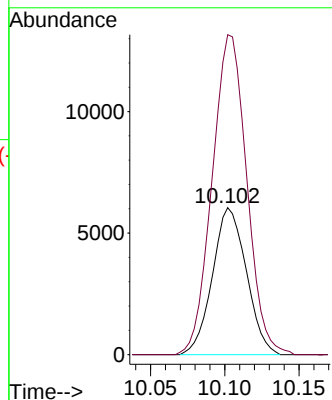
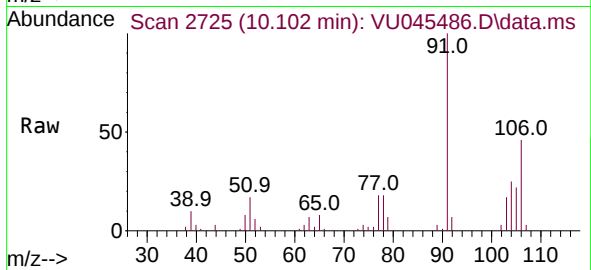




#54
o-xylene
Concen: 2.364 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

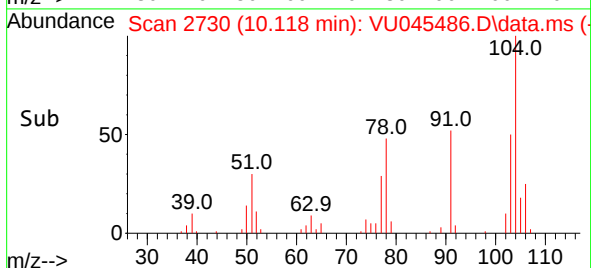
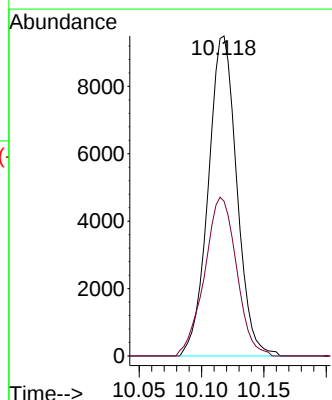
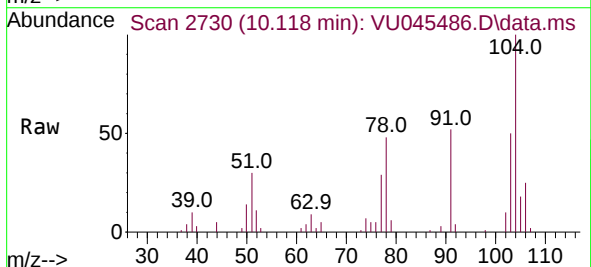
Instrument :
MSVOA_U
ClientSampleId :

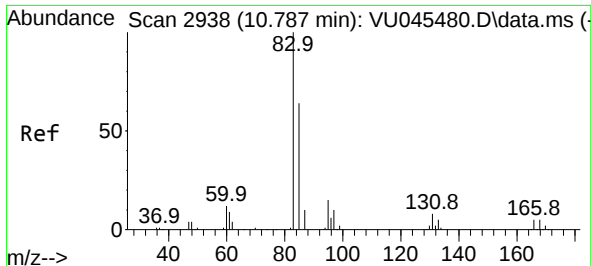
Tgt Ion:106 Resp: 9609
Ion Ratio Lower Upper
106 100
91 217.7 155.2 288.2



#55
Styrene
Concen: 2.219 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion:104 Resp: 15153
Ion Ratio Lower Upper
104 100
78 48.4 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 2.726 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

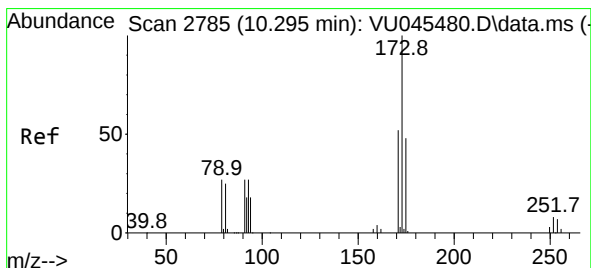
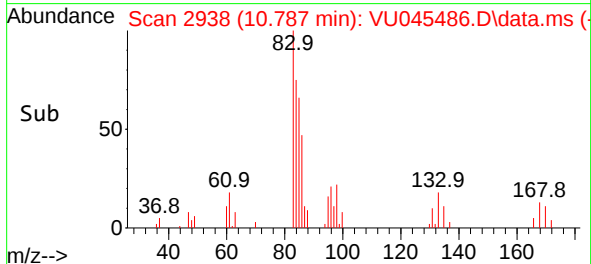
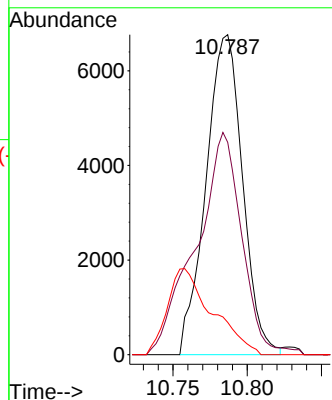
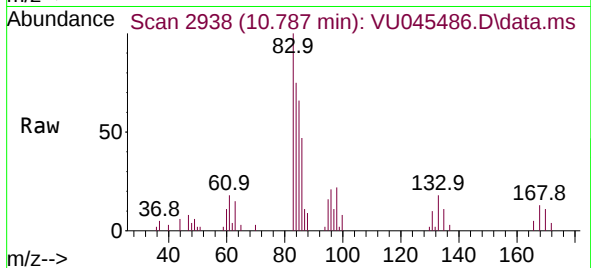
Tgt Ion: 83 Resp: 11600

Ion Ratio Lower Upper

83 100

85 66.3 46.0 85.4

131 10.1 7.0 10.4



#59

Bromoform

Concen: 2.452 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

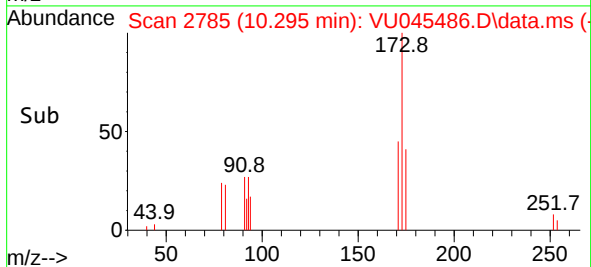
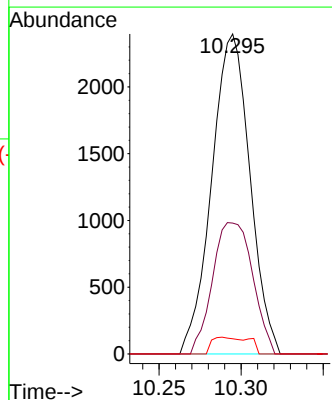
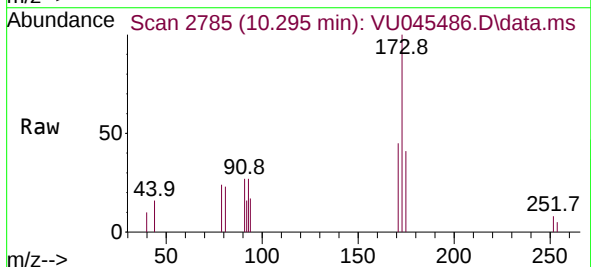
Tgt Ion:173 Resp: 3872

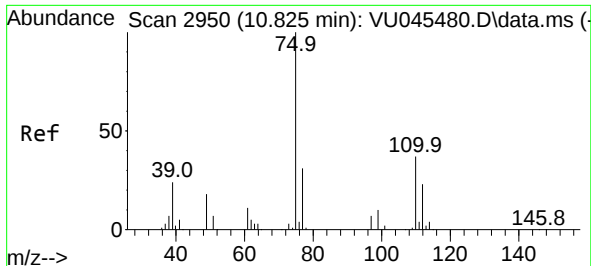
Ion Ratio Lower Upper

173 100

175 43.1 38.7 58.1

254 4.0 5.8 8.8#

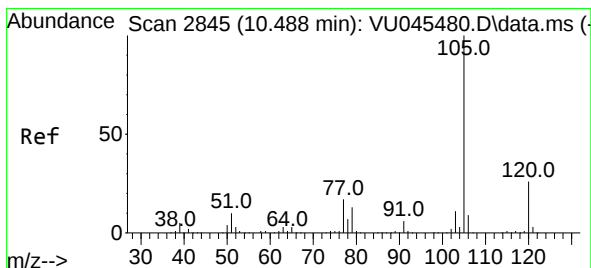
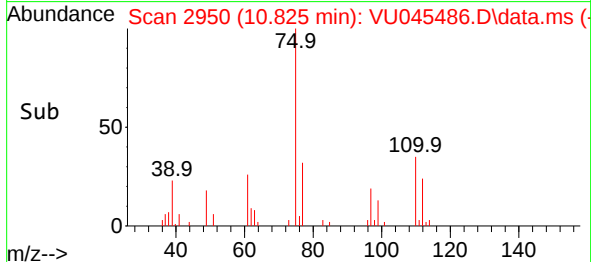
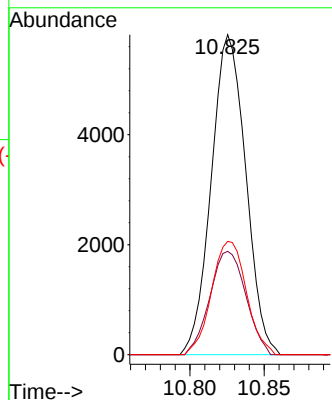
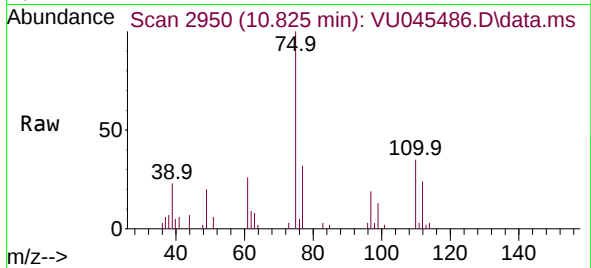




#60
 1,2,3-Trichloropropane
 Concen: 2.784 ug/L
 RT: 10.825 min Scan# 2950
 Delta R.T. 0.000 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

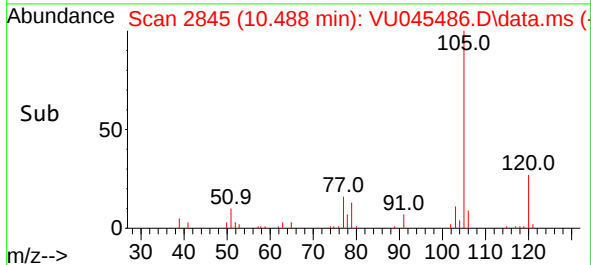
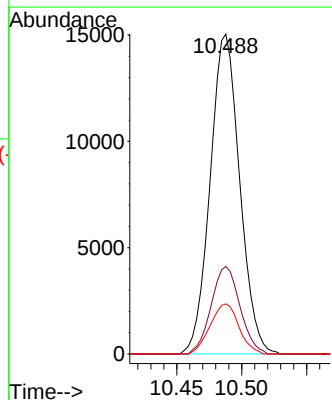
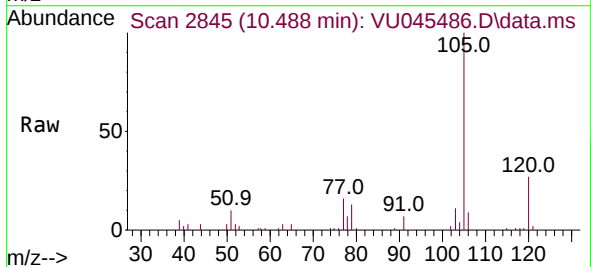
Instrument :
 MSVOA_U
 ClientSampleId :

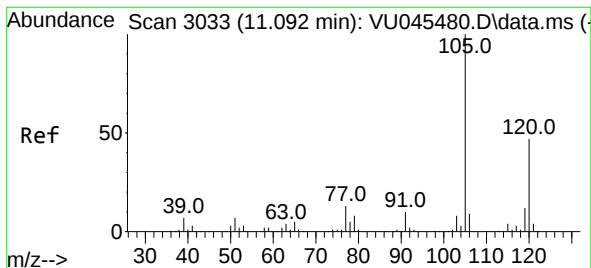
Tgt Ion:	75	Resp:	9387
Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.9	38.9
110	35.8	29.8	44.8



#61
 Isopropylbenzene
 Concen: 2.349 ug/L
 RT: 10.488 min Scan# 2845
 Delta R.T. 0.000 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

Tgt Ion:	105	Resp:	23776
Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.4	30.6
77	15.2	13.3	19.9





#62

1,3,5-Trimethylbenzene

Concen: 2.237 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

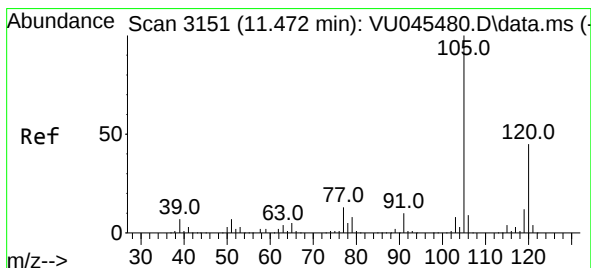
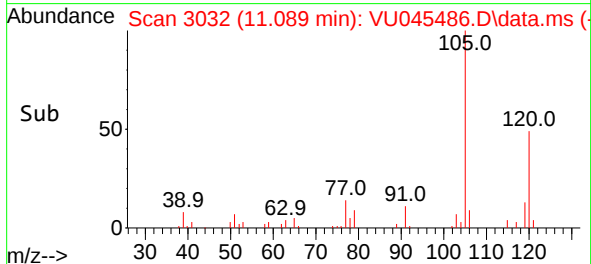
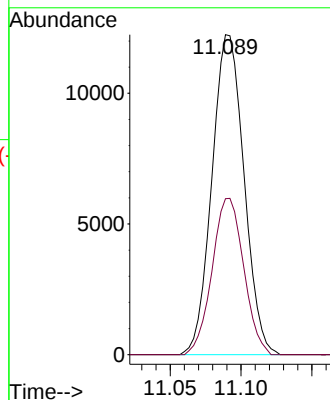
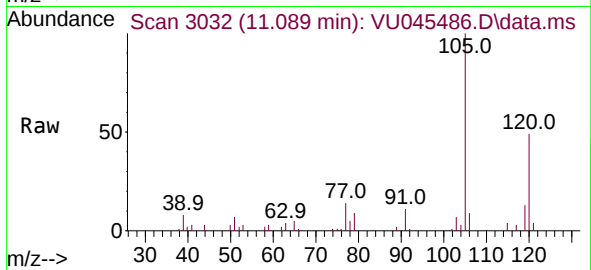
ClientSampleId :

Tgt Ion:105 Resp: 19285

Ion Ratio Lower Upper

105 100

120 48.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 2.264 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU045486.D

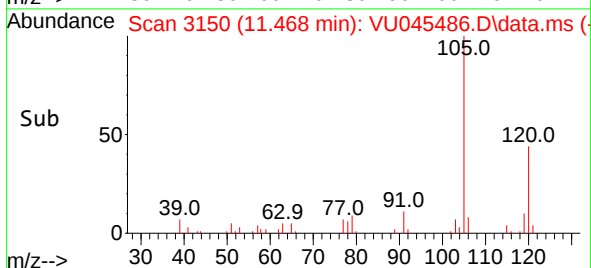
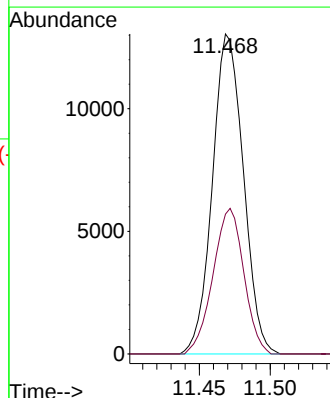
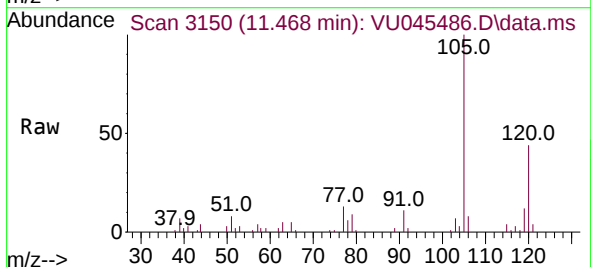
Acq: 01 Nov 2021 13:30

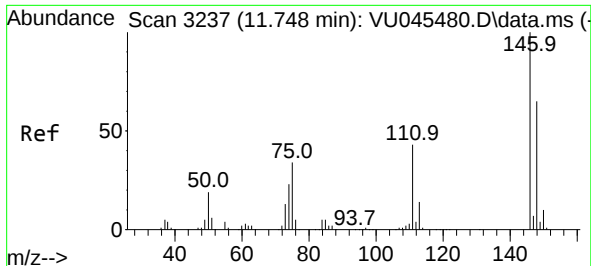
Tgt Ion:105 Resp: 19833

Ion Ratio Lower Upper

105 100

120 45.3 35.6 53.4

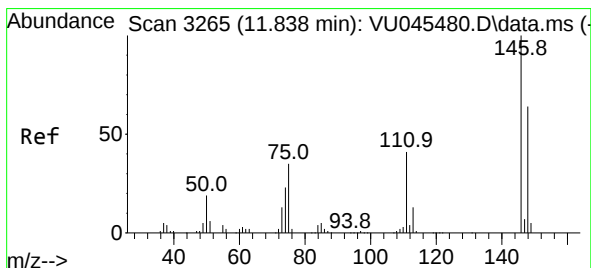
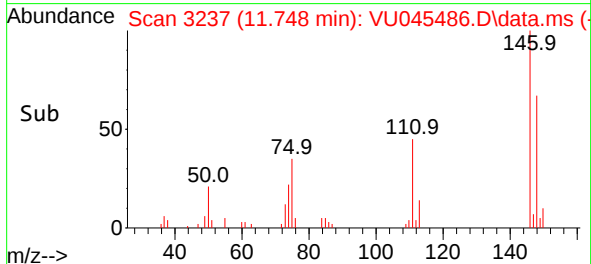
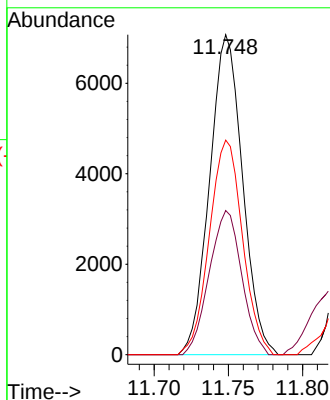
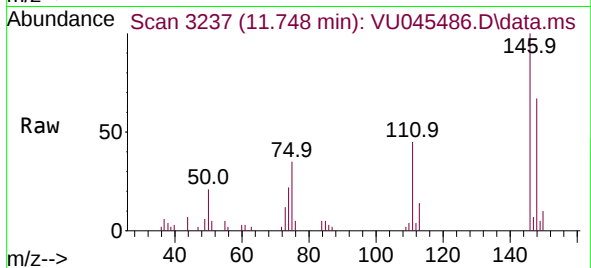




#64
1,3-Dichlorobenzene
Concen: 2.437 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

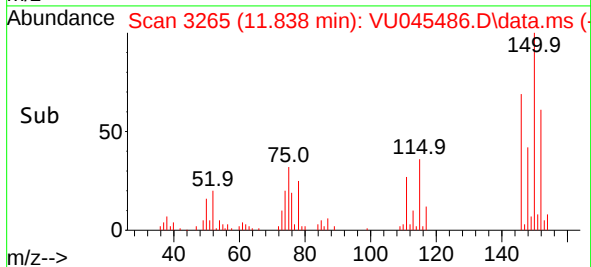
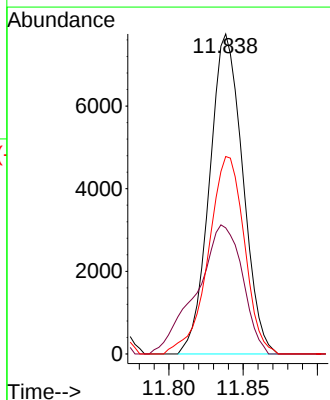
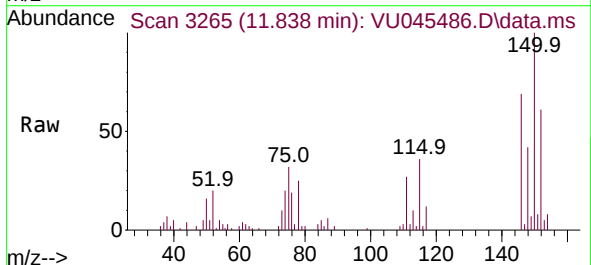
Instrument :
MSVOA_U
ClientSampleId :

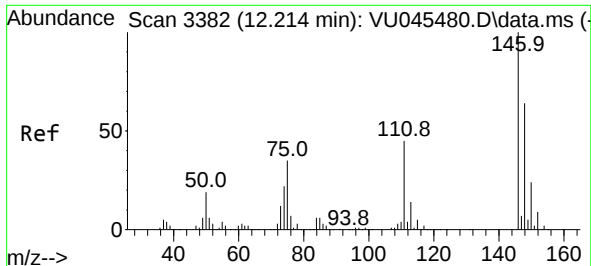
Tgt Ion:146 Resp: 10908
Ion Ratio Lower Upper
146 100
111 45.0 29.8 55.4
148 67.1 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 2.661 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion:146 Resp: 12053
Ion Ratio Lower Upper
146 100
111 39.4 28.6 53.0
148 61.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 2.638 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

Instrument :

MSVOA_U

ClientSampleId :

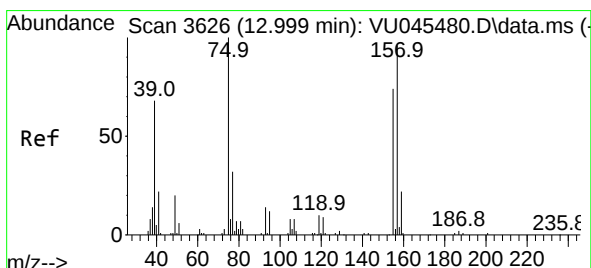
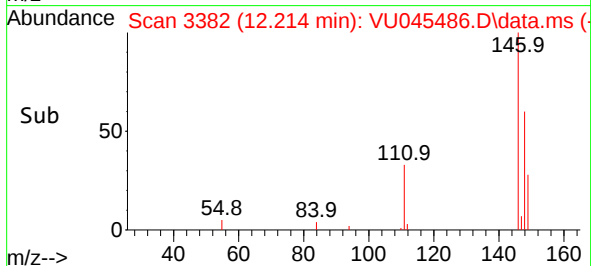
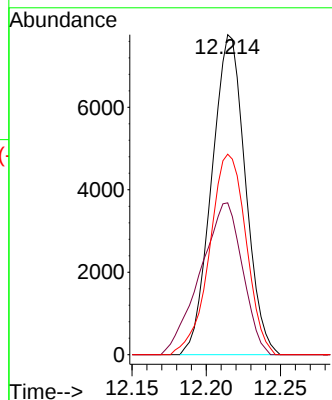
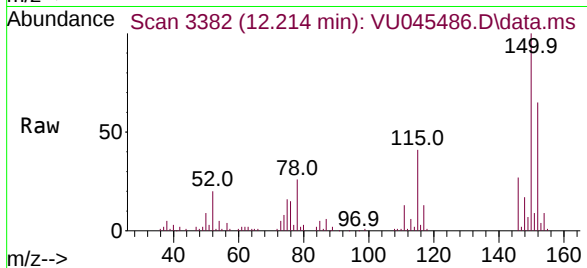
Tgt Ion:146 Resp: 12220

Ion Ratio Lower Upper

146 100

111 47.5 34.6 52.0

148 62.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 2.524 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU045486.D

Acq: 01 Nov 2021 13:30

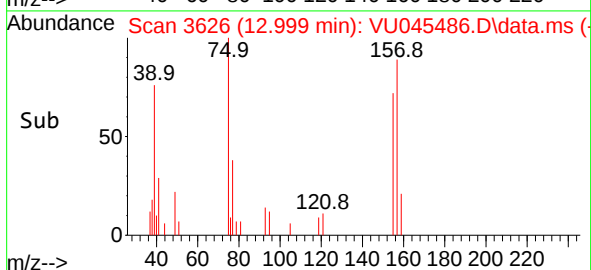
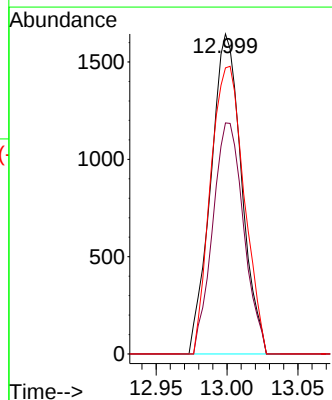
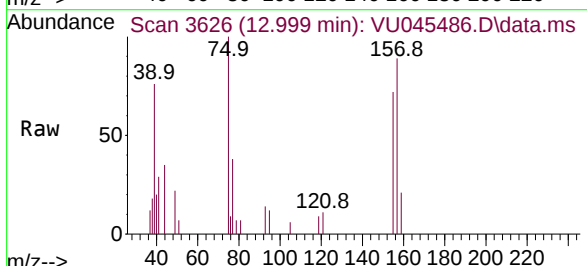
Tgt Ion: 75 Resp: 2485

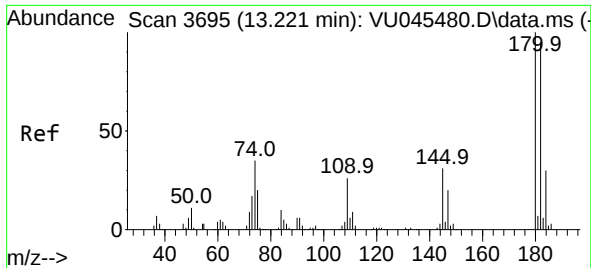
Ion Ratio Lower Upper

75 100

155 72.2 60.0 90.0

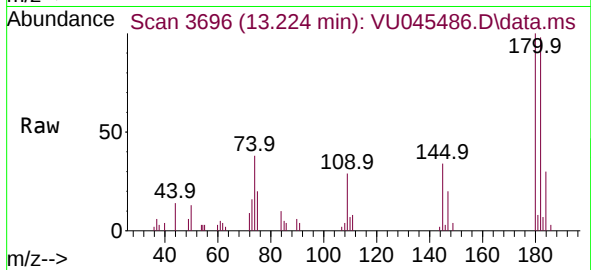
157 89.4 77.9 116.9



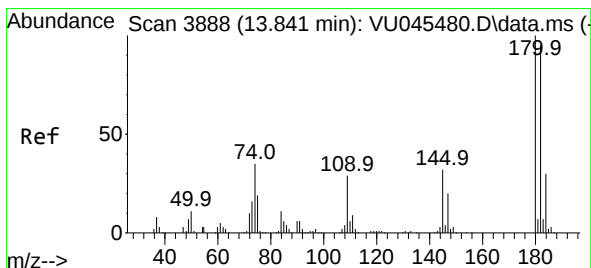
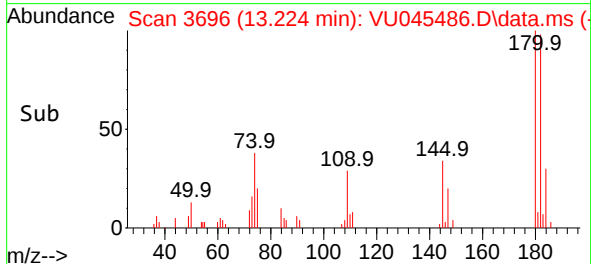
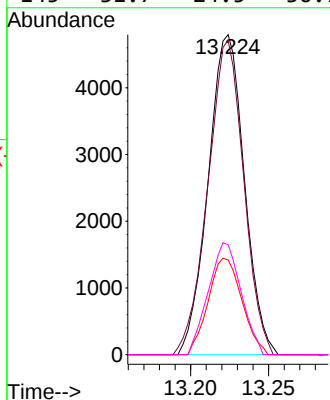


#69
 1,3,5-Trichlorobenzene
 Concen: 2.337 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.003 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

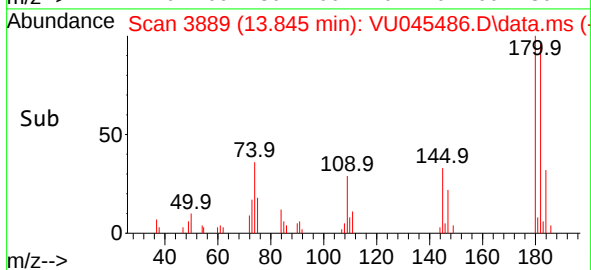
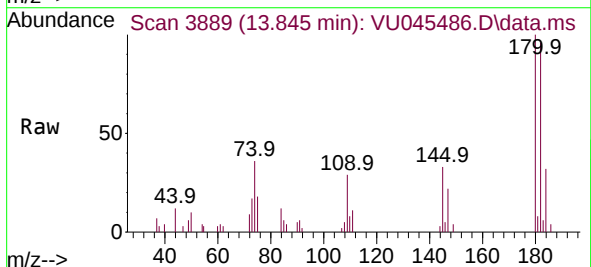
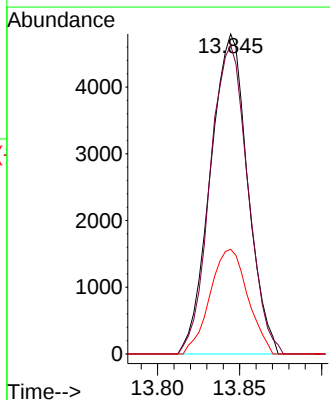


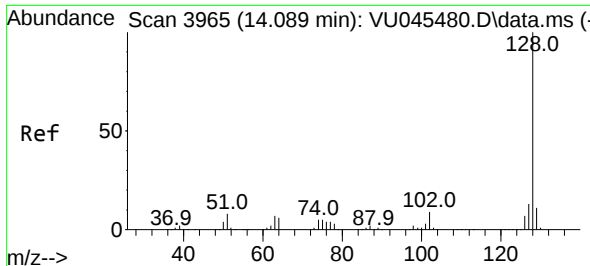
Tgt Ion:180 Resp: 7715
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.6 114.8
 184 28.1 23.9 35.9
 145 31.7 24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 2.506 ug/L
 RT: 13.845 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU045486.D
 Acq: 01 Nov 2021 13:30

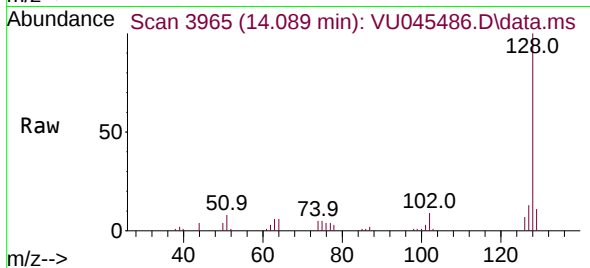
Tgt Ion:180 Resp: 7559
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.1 114.1
 145 33.1 25.3 37.9



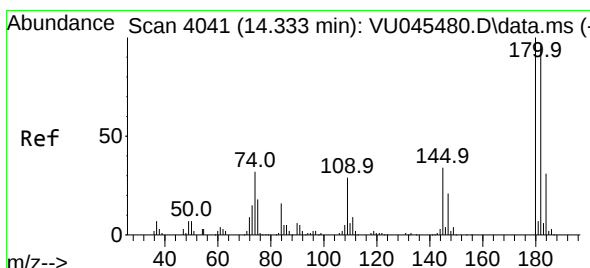
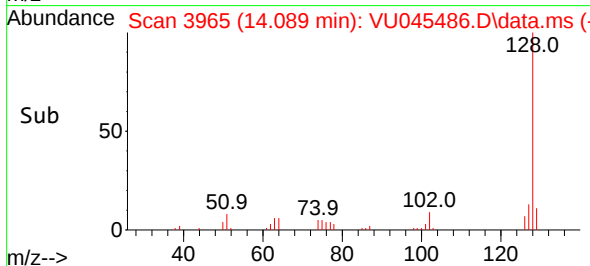
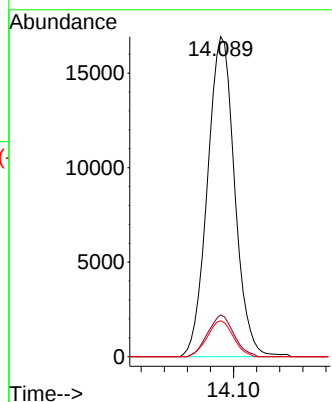


#71
Naphthalene
Concen: 2.408 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	27679
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.7	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.643 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045486.D
Acq: 01 Nov 2021 13:30

Tgt Ion:	180	Resp:	8160
Ion	Ratio	Lower	Upper
180	100		
182	91.5	75.7	113.5
145	34.2	27.0	40.4

