

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120622\
 Data File : VU052187.D
 Acq On : 06 Dec 2022 12:45
 Operator : JC/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Quant Time: Dec 06 21:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:24:57 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		6.250	114	193742	5.000	ug/L	0.00
28) Chlorobenzene-d5		9.417	117	199541	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.812	152	77849	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.597	65	98036	5.202	ug/L	0.00
Spiked Amount	5.000	Range 40	- 130	Recovery	=	104.000%	
7) Chloroethane-d5		1.913	69	80972	5.532	ug/L	0.00
Spiked Amount	5.000	Range 65	- 130	Recovery	=	110.600%	
11) 1,1-Dichloroethene-d2		2.565	65	37944	5.617	ug/L	0.00
Spiked Amount	5.000	Range 60	- 125	Recovery	=	112.400%	
20) 2-Butanone-d5		4.646	46	173793	50.877	ug/L	0.00
Spiked Amount	50.000	Range 40	- 130	Recovery	=	101.760%	
24) Chloroform-d		5.060	84	155525	5.617	ug/L	0.00
Spiked Amount	5.000	Range 70	- 125	Recovery	=	112.400%	
26) 1,2-Dichloroethane-d4		5.700	65	74641	5.337	ug/L	0.00
Spiked Amount	5.000	Range 70	- 130	Recovery	=	106.800%	
32) Benzene-d6		5.726	84	313173	5.286	ug/L	0.00
Spiked Amount	5.000	Range 70	- 125	Recovery	=	105.800%	
36) 1,2-Dichloropropane-d6		6.690	67	100543	5.484	ug/L	0.00
Spiked Amount	5.000	Range 60	- 140	Recovery	=	109.600%	
41) Toluene-d8		7.896	98	244086	4.554	ug/L	0.00
Spiked Amount	5.000	Range 70	- 130	Recovery	=	91.000%	
43) trans-1,3-Dichloroprop...		8.179	79	32108	4.806	ug/L	0.00
Spiked Amount	5.000	Range 55	- 130	Recovery	=	96.200%	
46) 2-Hexanone-d5		8.636	63	129723	45.818	ug/L	0.00
Spiked Amount	50.000	Range 45	- 130	Recovery	=	91.640%	
56) 1,1,2,2-Tetrachloroeth...		10.755	84	82800	5.209	ug/L	0.00
Spiked Amount	5.000	Range 65	- 120	Recovery	=	104.200%	
66) 1,2-Dichlorobenzene-d4		12.192	152	82451	5.532	ug/L	0.00
Spiked Amount	5.000	Range 80	- 120	Recovery	=	110.600%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		1.385	85	4319	0.257	ug/L	92
3) Chloromethane		1.520	50	6965	0.318	ug/L	99
5) Vinyl chloride		1.604	62	5665	0.269	ug/L #	72
6) Bromomethane		1.858	94	2504	0.232	ug/L	99
8) Chloroethane		1.935	64	3056	0.233	ug/L	87
9) Trichlorofluoromethane		2.138	101	6497	0.280	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...		2.578	101	4856	0.343	ug/L #	76
12) 1,1-Dichloroethene		2.578	96	4494	0.320	ug/L #	1
13) Acetone		2.665	43	5027	2.167	ug/L	73
14) Carbon disulfide		2.793	76	13156	0.270	ug/L	96
15) Methyl Acetate		2.974	43	1320	0.219	ug/L #	54
16) Methylene chloride		3.047	84	10077	0.530	ug/L	93
17) Methyl tert-butyl Ether		3.366	73	6622	0.210	ug/L #	83
18) trans-1,2-Dichloroethene		3.356	96	3655	0.243	ug/L	90
19) 1,1-Dichloroethane		3.867	63	6404	0.236	ug/L	97
21) 2-Butanone		4.729	43	3449	0.928	ug/L	86
22) cis-1,2-Dichloroethene		4.665	96	4046	0.256	ug/L	97
23) Bromochloromethane		4.977	128	1811	0.239	ug/L	85
25) Chloroform		5.086	83	7452	0.271	ug/L	87

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 ClientSampleId :
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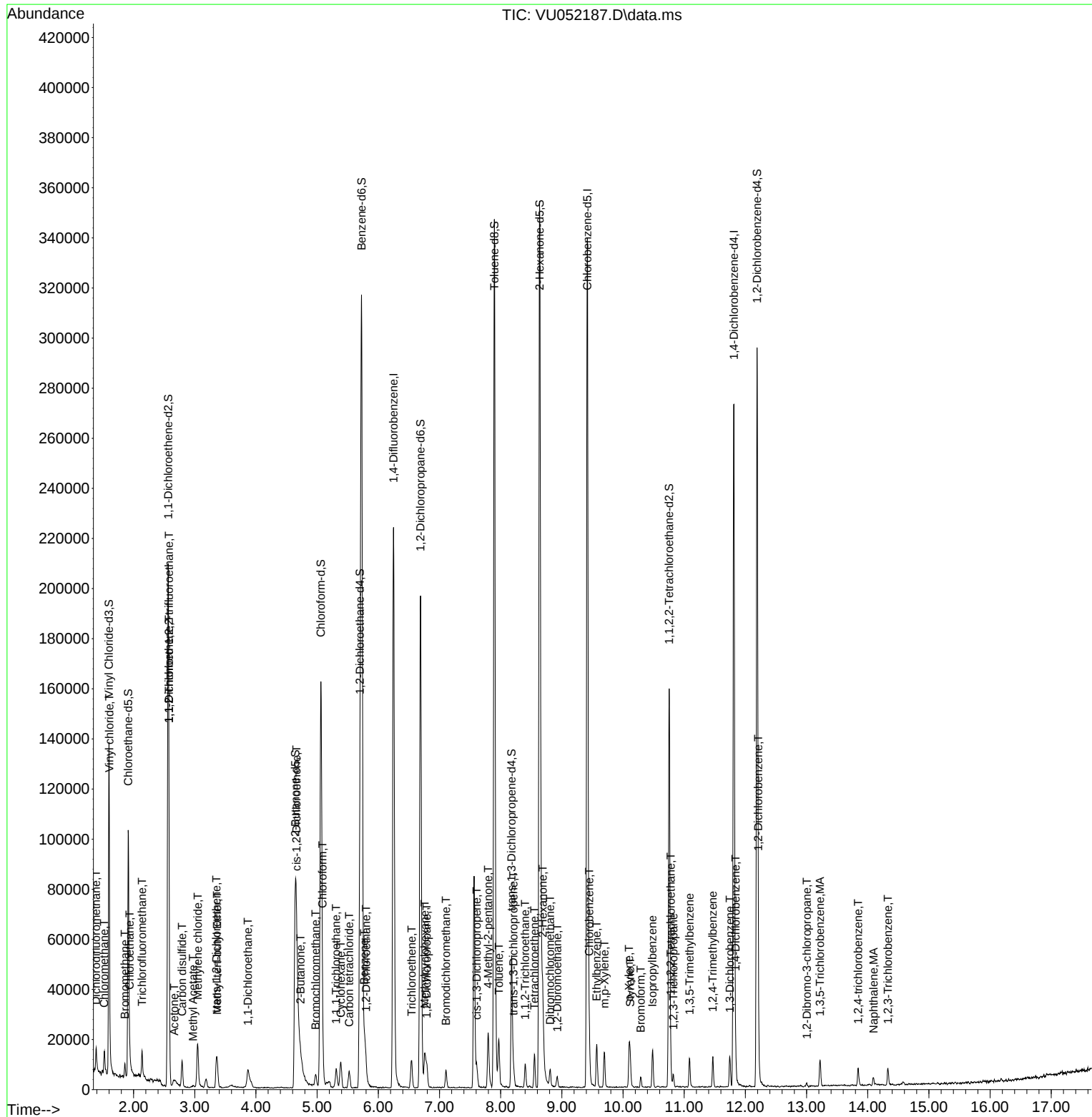
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 06 21:24:57 2022
 Response via : Initial Calibration

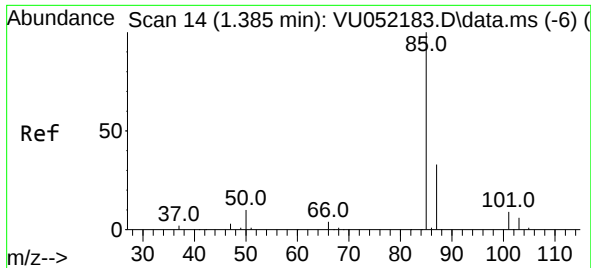
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	4379	0.260	ug/L #	87
29) 1,1,1-Trichloroethane	5.311	97	5290	0.239	ug/L	99
30) Cyclohexane	5.388	56	3924	0.183	ug/L	91
31) Carbon tetrachloride	5.523	117	4551	0.242	ug/L	95
33) Benzene	5.771	78	15452	0.238	ug/L	100
34) Trichloroethene	6.546	95	3537	0.218	ug/L	93
35) Methylcyclohexane	6.758	83	4288	0.184	ug/L	97
37) 1,2-Dichloropropane	6.790	63	3983	0.237	ug/L #	88
38) Bromodichloromethane	7.105	83	5273	0.257	ug/L	86
39) cis-1,3-Dichloropropene	7.610	75	4734	0.219	ug/L	92
40) 4-Methyl-2-pentanone	7.797	43	15819	1.801	ug/L #	84
42) Toluene	7.970	91	14009	0.210	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	4985	0.270	ug/L	84
45) 1,1,2-Trichloroethane	8.401	97	3036	0.240	ug/L	95
47) Tetrachloroethene	8.552	164	2911	0.235	ug/L	93
48) 2-Hexanone	8.687	43	18461	2.867	ug/L	98
49) Dibromochloromethane	8.809	129	3595	0.254	ug/L	100
50) 1,2-Dibromoethane	8.925	107	2703	0.235	ug/L #	88
51) Chlorobenzene	9.446	112	9719	0.228	ug/L	95
52) Ethylbenzene	9.568	91	12619	0.194	ug/L	89
53) m,p-Xylene	9.697	106	4228	0.168	ug/L	91
54) o-Xylene	10.099	106	4187	0.174	ug/L	90
55) Styrene	10.118	104	6076	0.149	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	3814	0.242	ug/L #	97
59) Bromoform	10.288	173	1805	0.282	ug/L #	96
60) Isopropylbenzene	10.481	105	9701	0.198	ug/L	98
61) 1,2,3-Trichloropropane	10.822	75	2543	0.285	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	6630	0.170	ug/L	94
63) 1,2,4-Trimethylbenzene	11.468	105	6521	0.168	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	5635	0.226	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	6122	0.246	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	6178	0.257	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.005	75	472	0.242	ug/L	92
69) 1,3,5-Trichlorobenzene	13.221	180	3966	0.224	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	3005	0.223	ug/L	93
71) Naphthalene	14.095	128	4224	0.167	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.330	180	3021	0.228	ug/L	88

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

Instrument :
MSVOA_U
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MDL01

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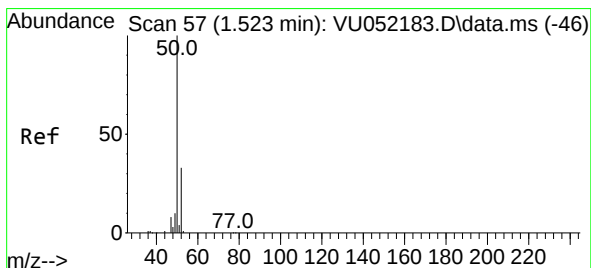
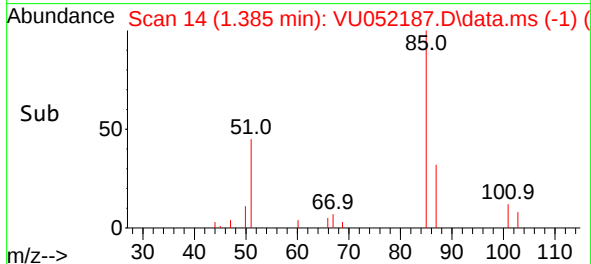
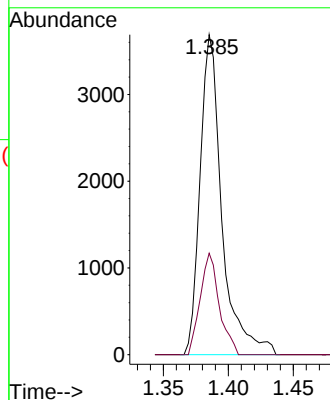
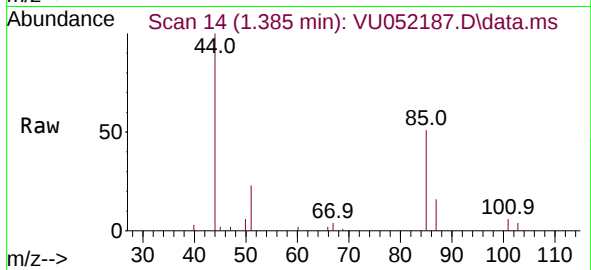




#2
Dichlorodifluoromethane
Concen: 0.257 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

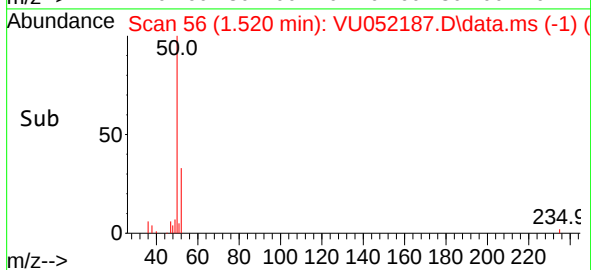
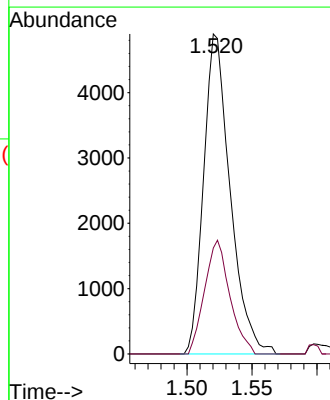
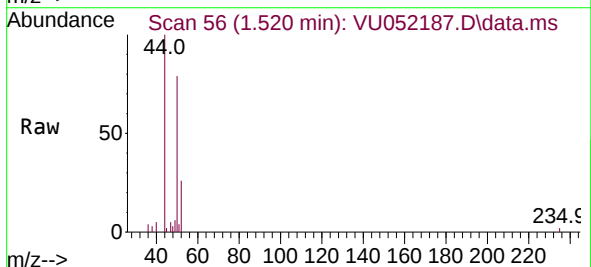
Instrument :
MSVOA_U
ClientSampleId :
MDL01

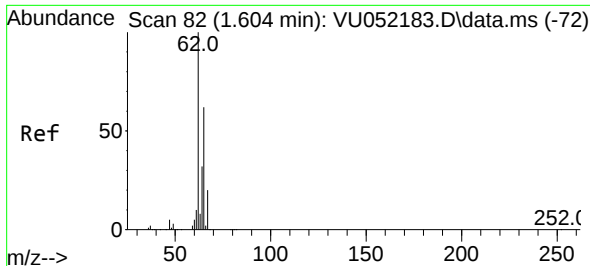
Tgt Ion: 85 Resp: 4319
Ion Ratio Lower Upper
85 100
87 27.7 25.8 38.8



#3
Chloromethane
Concen: 0.318 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 50 Resp: 6965
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.4

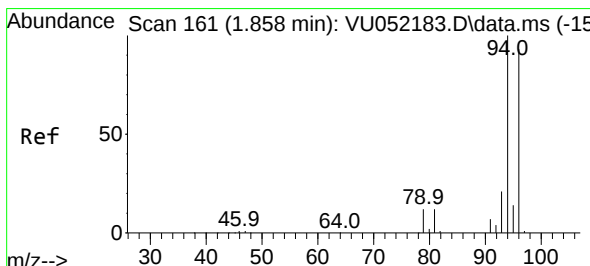
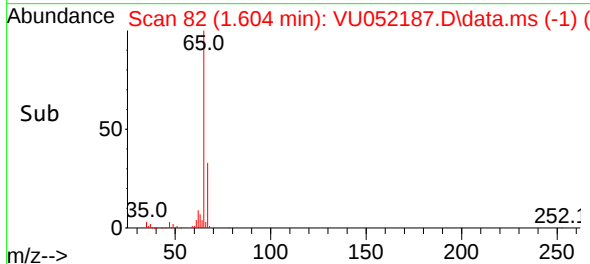
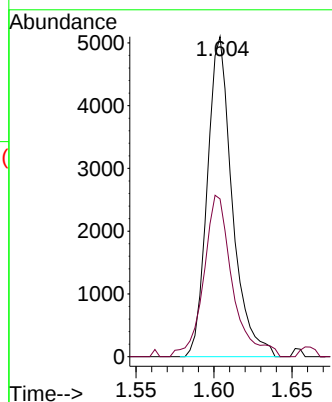
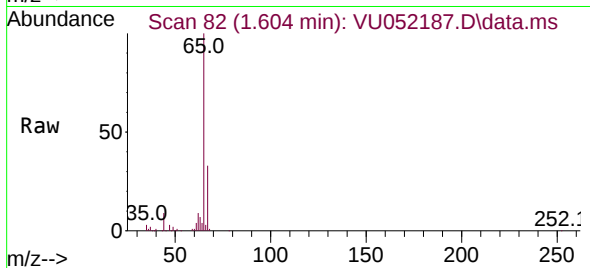




#5
 Vinyl chloride
 Concen: 0.269 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

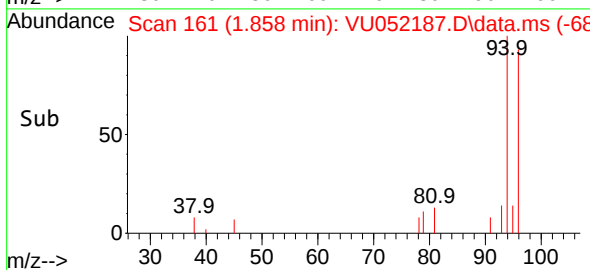
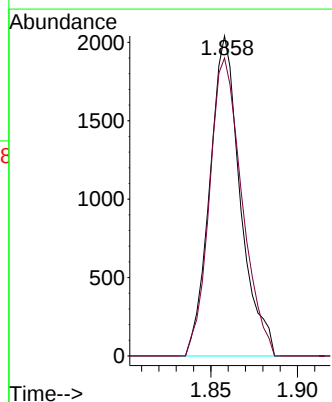
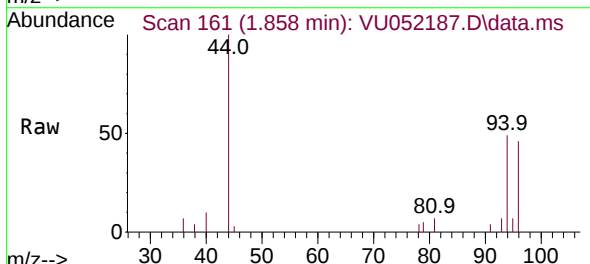
Instrument :
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 ClientSampleId :
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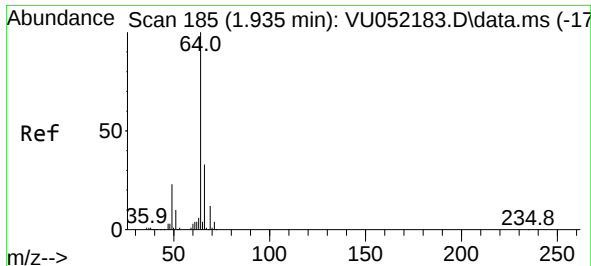
Tgt Ion: 62 Resp: 5665
 Ion Ratio Lower Upper
 62 100
 64 49.3 23.5 43.7#



#6
 Bromomethane
 Concen: 0.232 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

Tgt Ion: 94 Resp: 2504
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.7 122.1

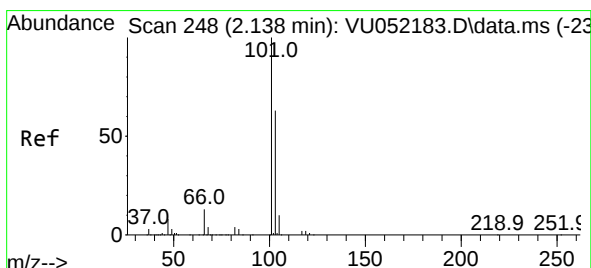
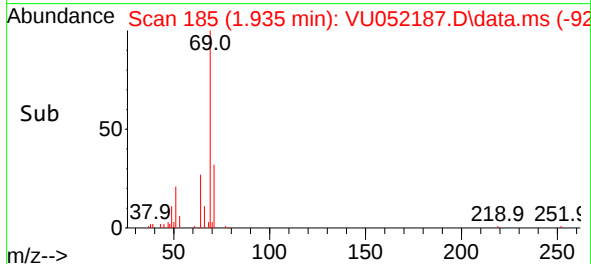
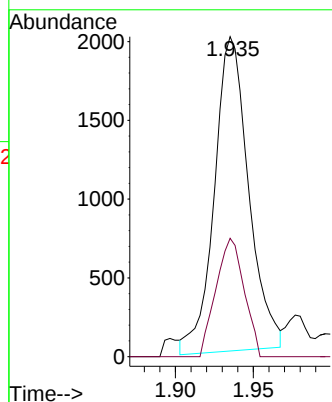
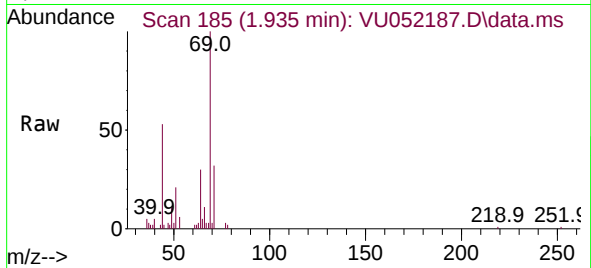




#8
Chloroethane
Concen: 0.233 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

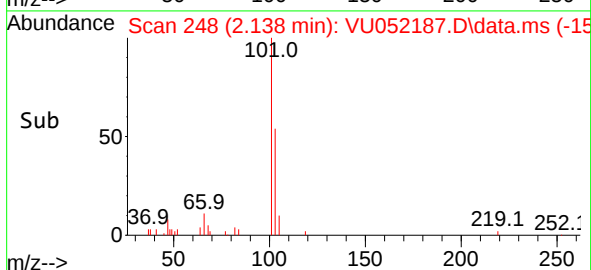
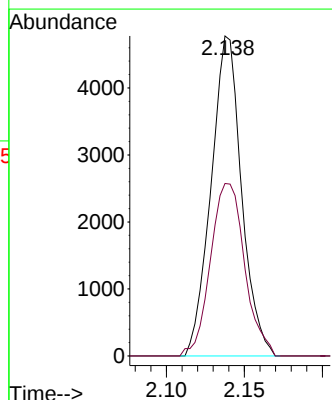
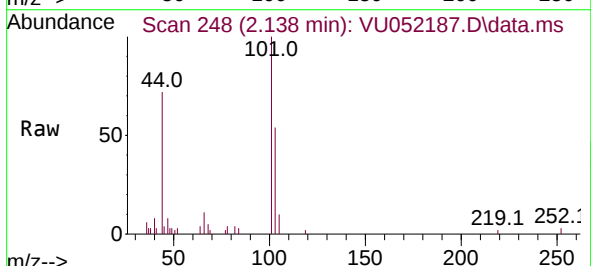
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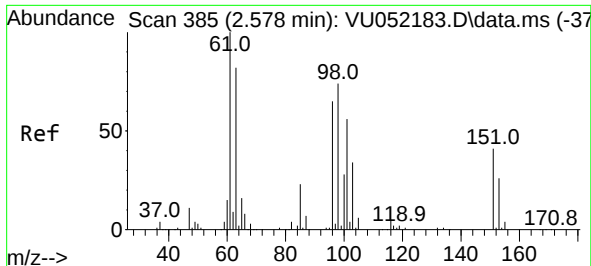
Tgt Ion: 64 Resp: 3056
Ion Ratio Lower Upper
64 100
66 37.0 21.1 39.1



#9
Trichlorofluoromethane
Concen: 0.280 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 101 Resp: 6497
Ion Ratio Lower Upper
101 100
103 60.4 51.6 77.4

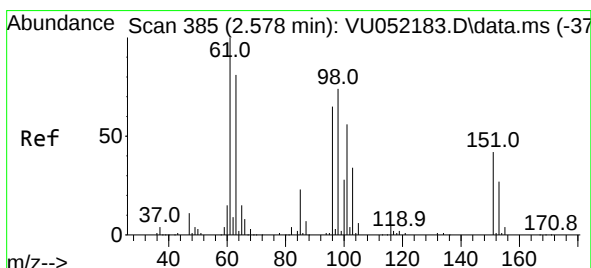
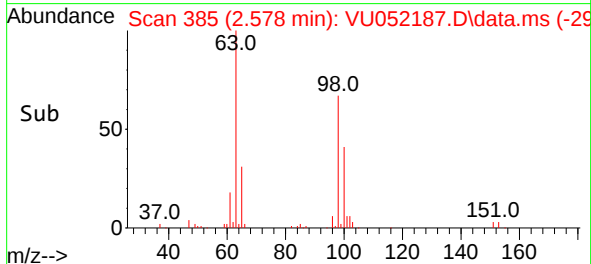
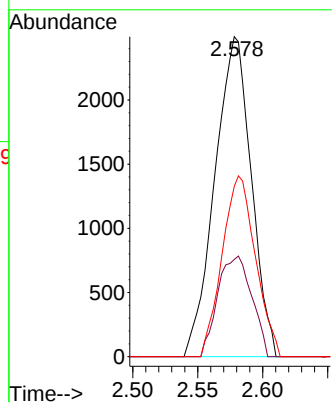
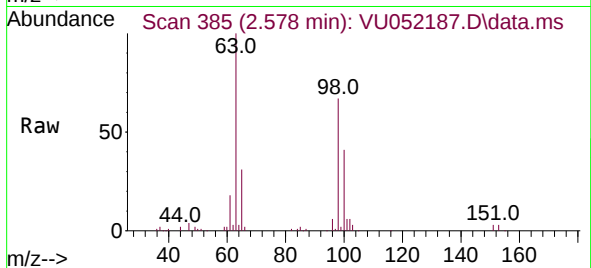




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.343 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

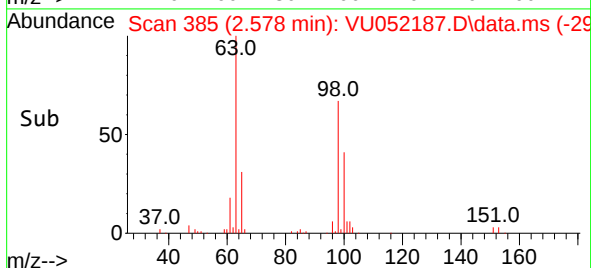
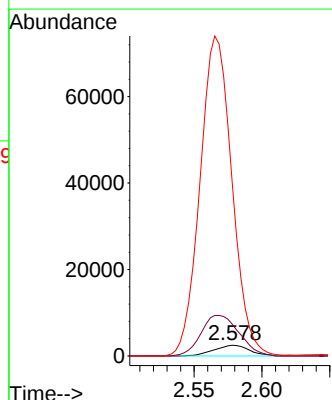
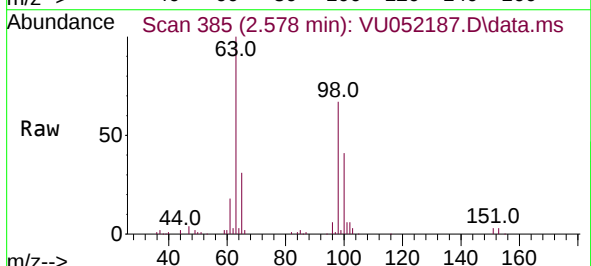
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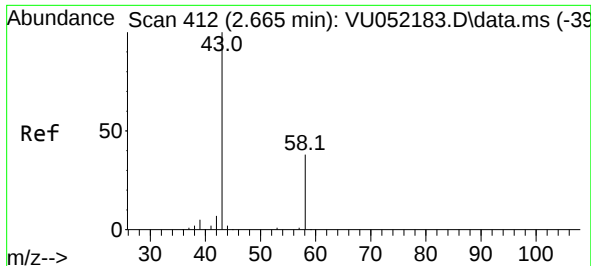
Tgt Ion:101 Resp: 4856
 Ion Ratio Lower Upper
 101 100
 85 29.3 33.8 50.6#
 151 51.7 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 0.320 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

Tgt Ion: 96 Resp: 4494
 Ion Ratio Lower Upper
 96 100
 61 297.0 114.8 213.2#
 63 1620.0 93.7 174.1#





#13

Acetone

Concen: 2.167 ug/L

RT: 2.665 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

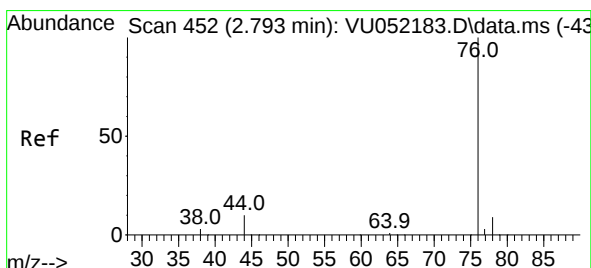
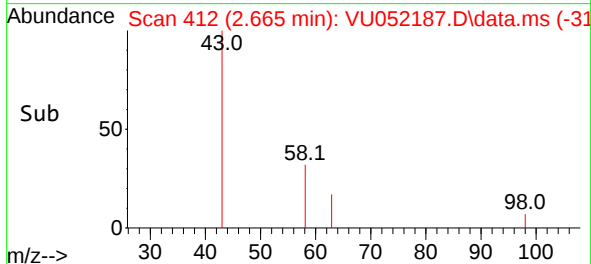
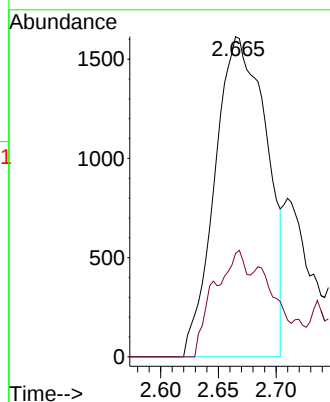
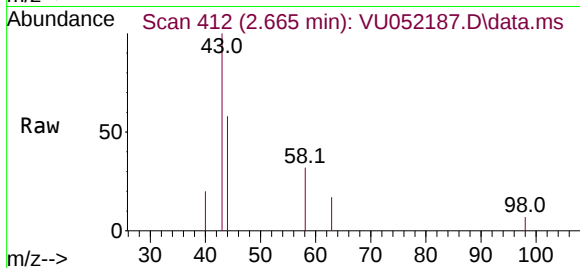
MDL01

Tgt Ion: 43 Resp: 5027

Ion Ratio Lower Upper

43 100

58 21.7 0.0 76.0



#14

Carbon disulfide

Concen: 0.270 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052187.D

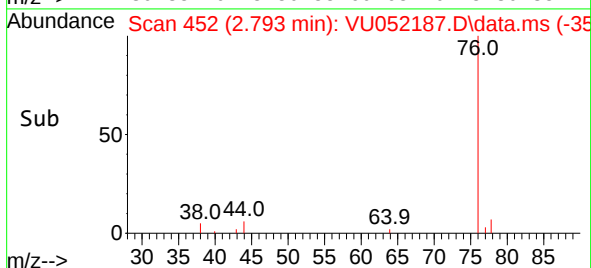
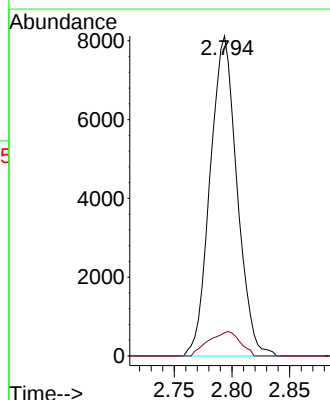
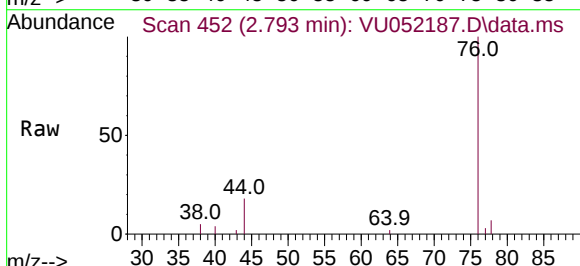
Acq: 06 Dec 2022 12:45

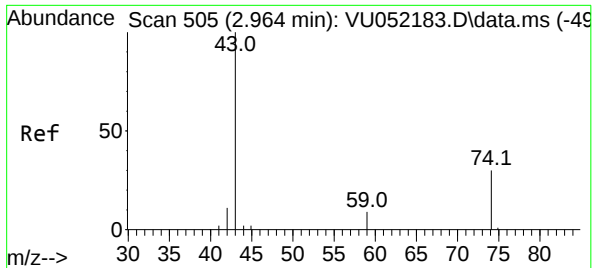
Tgt Ion: 76 Resp: 13156

Ion Ratio Lower Upper

76 100

78 7.3 7.0 10.4

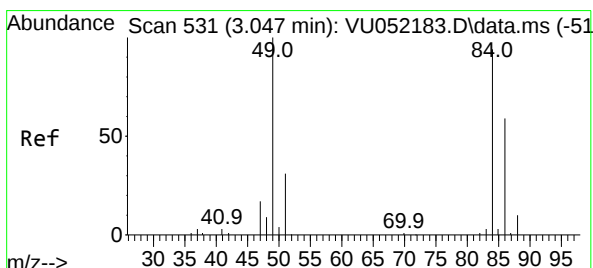
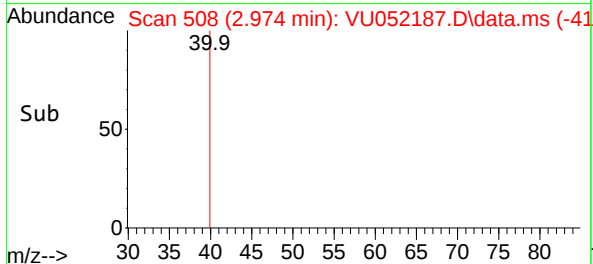
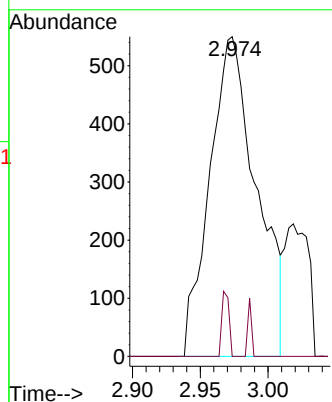
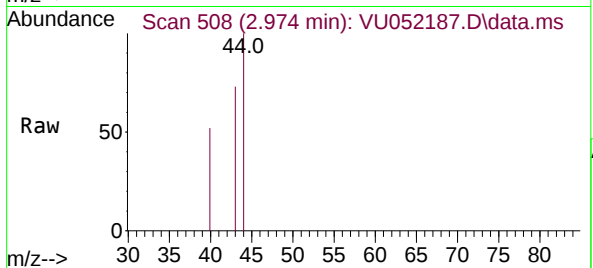




#15
Methyl Acetate
Concen: 0.219 ug/L
RT: 2.974 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

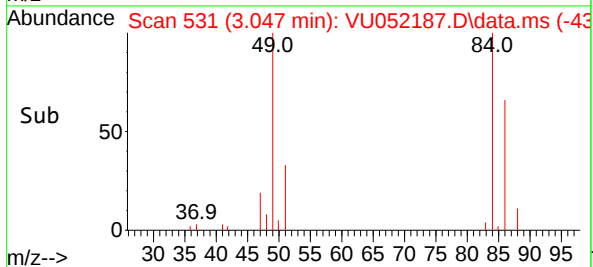
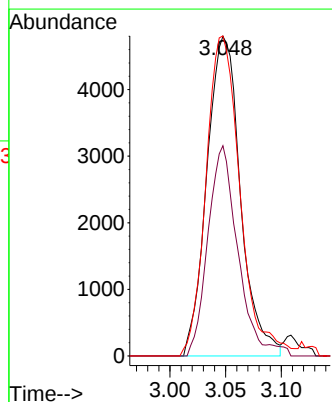
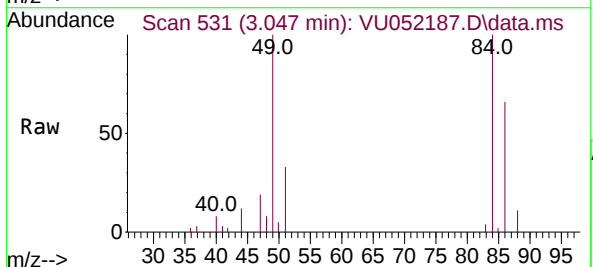
Instrument :
MSVOA_U
ClientSampleId :
MDL01

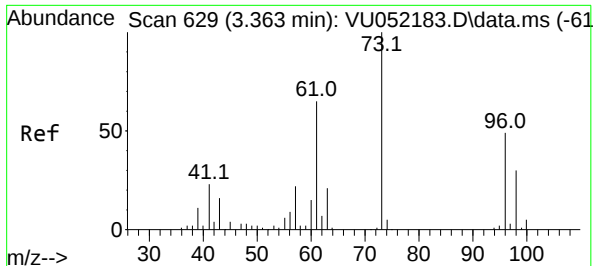
Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
74 3.1 21.3 31.9#



#16
Methylene chloride
Concen: 0.530 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 84 Resp: 10077
Ion Ratio Lower Upper
84 100
86 65.8 43.8 81.4
49 100.1 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 0.210 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

MDL01

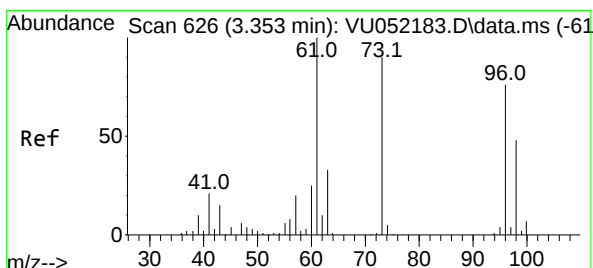
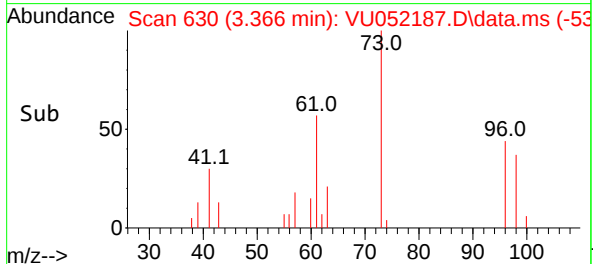
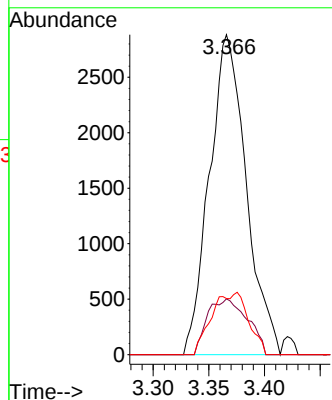
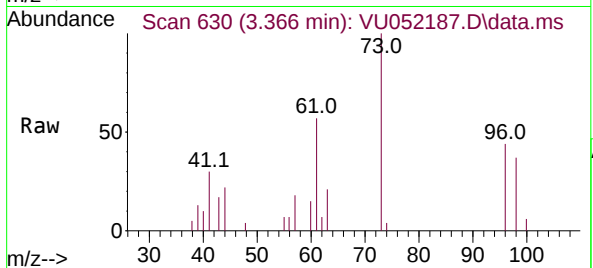
Tgt Ion: 73 Resp: 6622

Ion Ratio Lower Upper

73 100

43 19.1 13.2 19.8

57 10.6 17.8 26.8#



#18

trans-1,2-Dichloroethene

Concen: 0.243 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

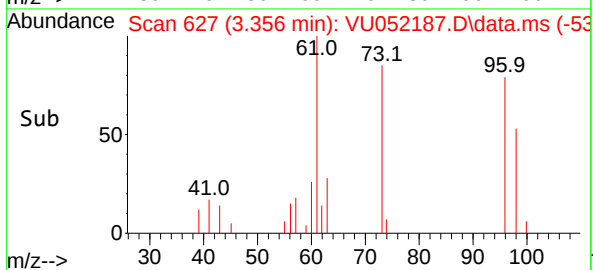
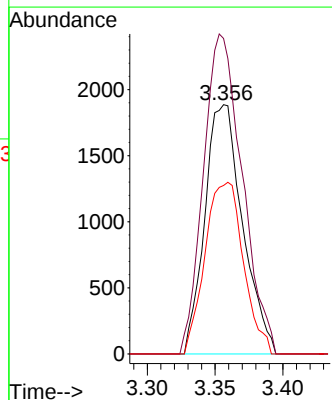
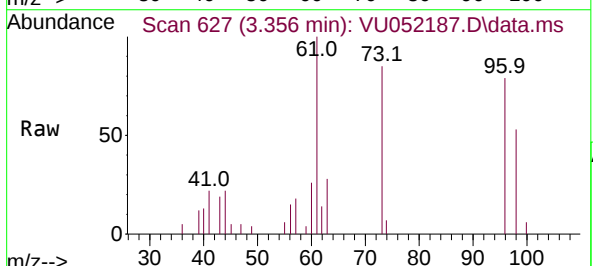
Tgt Ion: 96 Resp: 3655

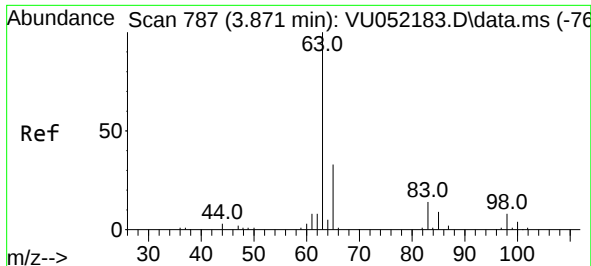
Ion Ratio Lower Upper

96 100

61 126.6 97.9 181.7

98 67.6 43.8 81.3

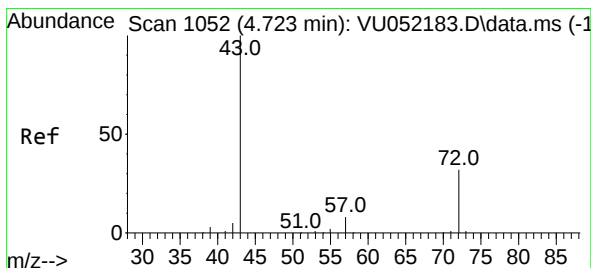
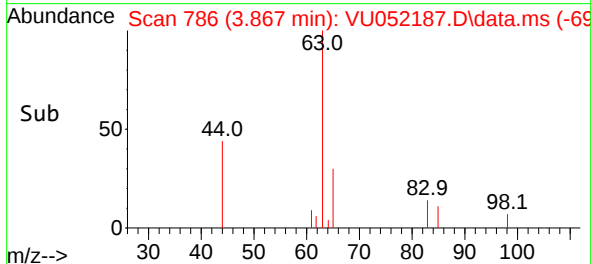
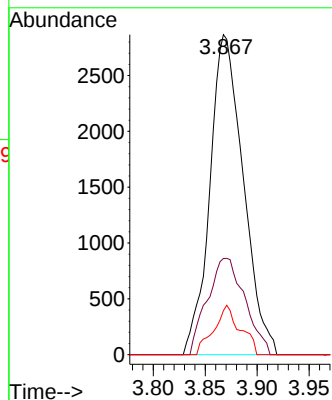
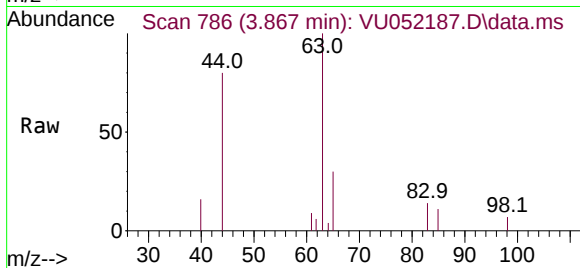




#19
1,1-Dichloroethane
Concen: 0.236 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

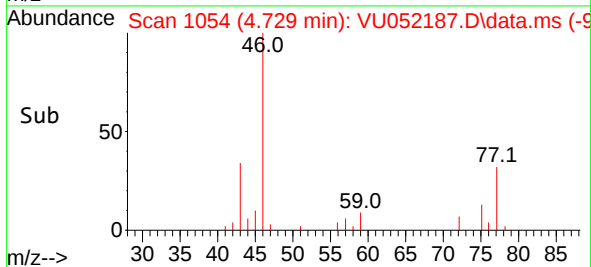
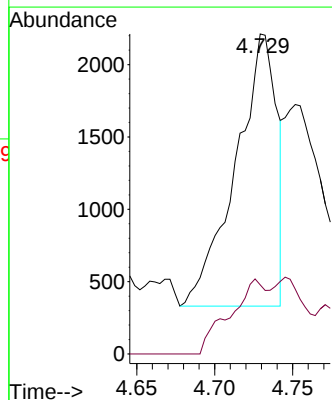
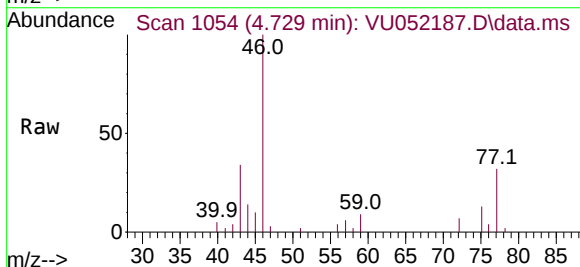
Instrument :
MSVOA_U
ClientSampleId :
MDL01

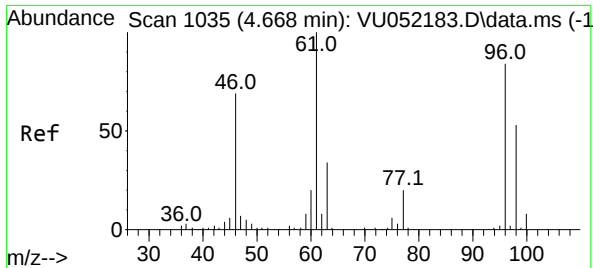
Tgt Ion: 63 Resp: 6404
Ion Ratio Lower Upper
63 100
65 30.0 22.2 41.2
83 13.7 9.2 17.0



#21
2-Butanone
Concen: 0.928 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. 0.007 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
72 23.3 15.6 46.8

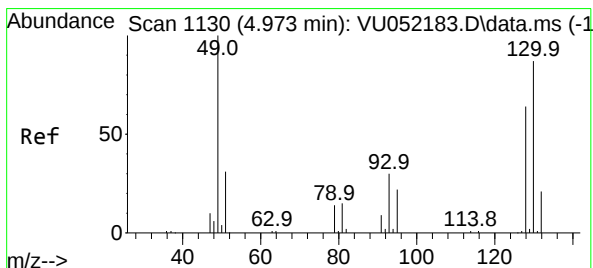
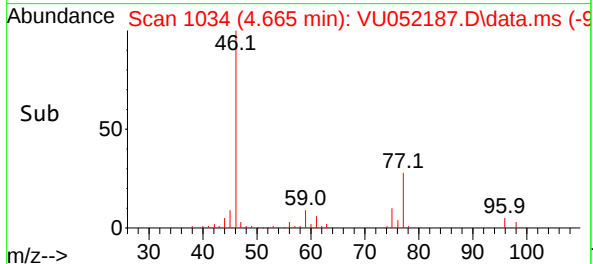
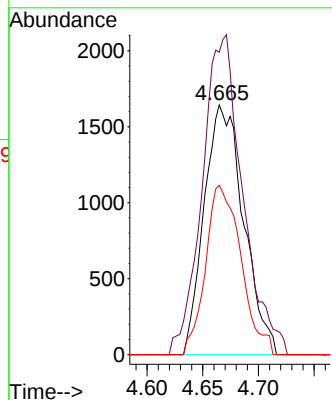
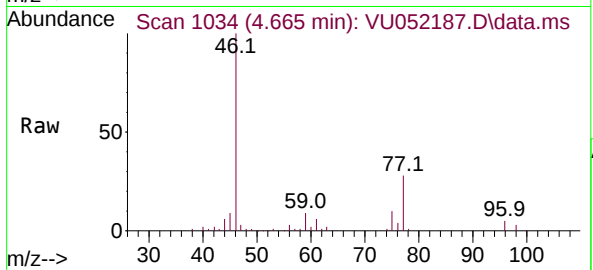




#22
 cis-1,2-Dichloroethene
 Concen: 0.256 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

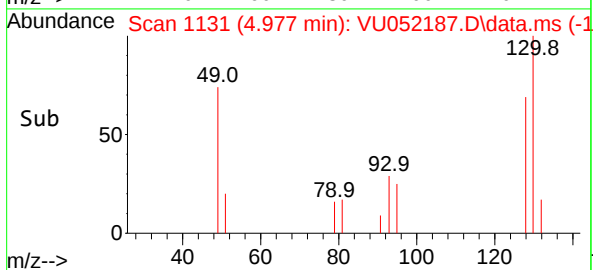
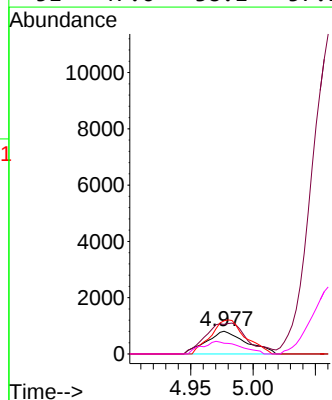
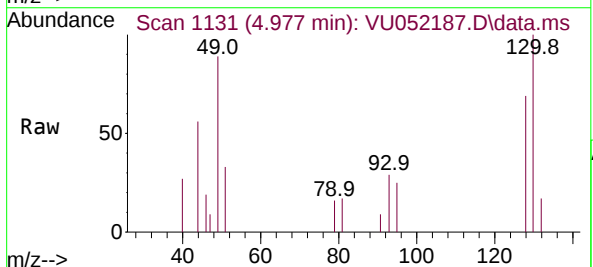
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

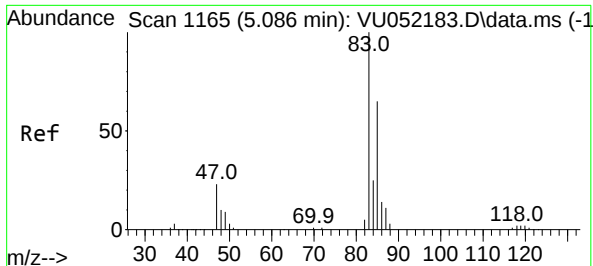
Tgt Ion: 96 Resp: 4046
 Ion Ratio Lower Upper
 96 100
 61 121.1 85.1 158.1
 98 67.8 42.8 79.6



#23
 Bromochloromethane
 Concen: 0.239 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU052187.D
 Acq: 06 Dec 2022 12:45

Tgt Ion: 128 Resp: 1811
 Ion Ratio Lower Upper
 128 100
 49 130.2 104.0 193.2
 130 145.6 84.6 157.2
 51 47.6 38.1 57.1





#25

Chloroform

Concen: 0.271 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

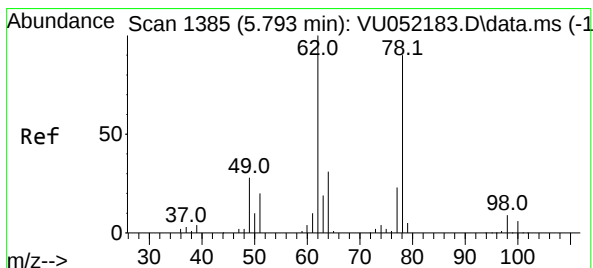
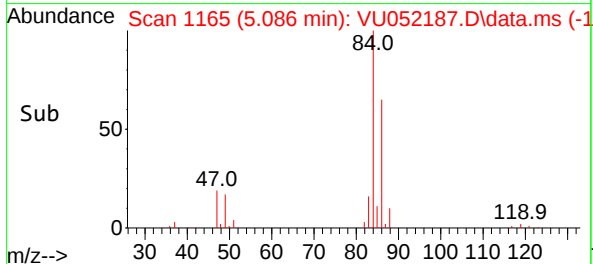
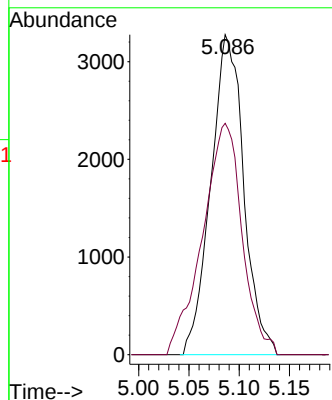
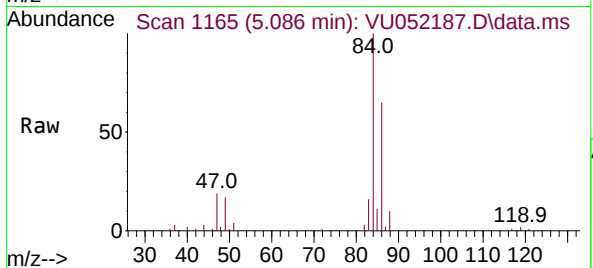
MDL01

Tgt Ion: 83 Resp: 7452

Ion Ratio Lower Upper

83 100

85 72.3 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.260 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VU052187.D

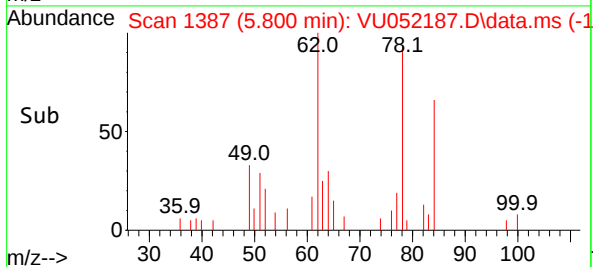
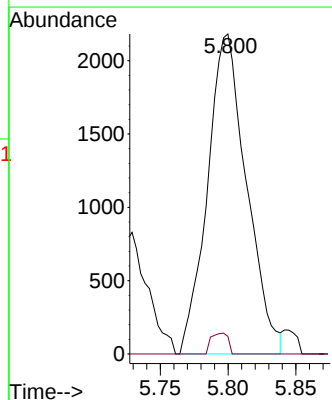
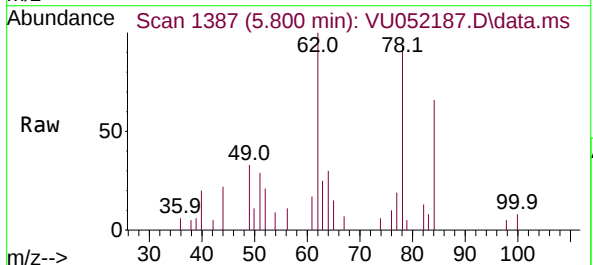
Acq: 06 Dec 2022 12:45

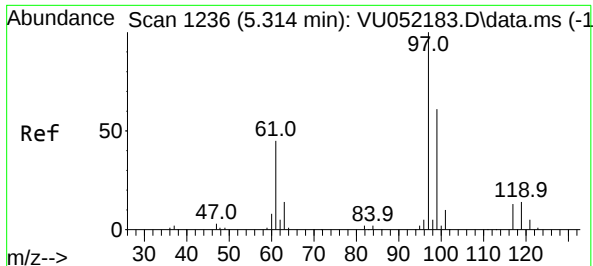
Tgt Ion: 62 Resp: 4379

Ion Ratio Lower Upper

62 100

98 5.5 8.4 12.6#

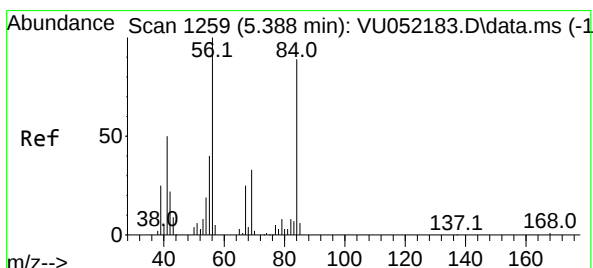
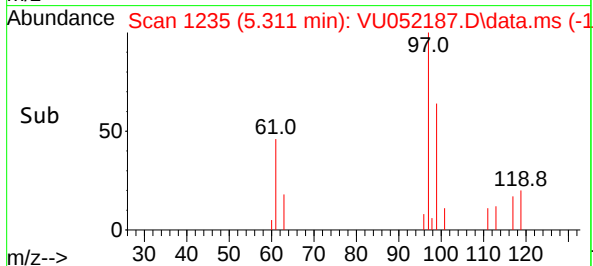
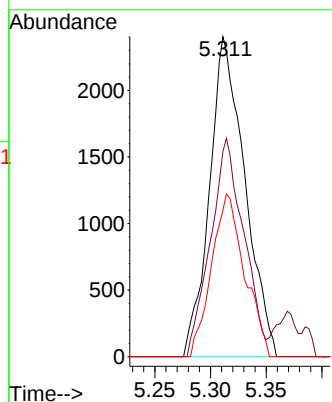
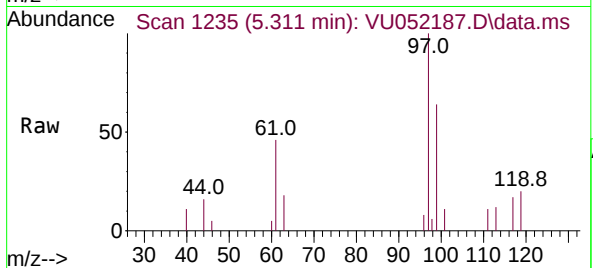




#29
1,1,1-Trichloroethane
Concen: 0.239 ug/L
RT: 5.311 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

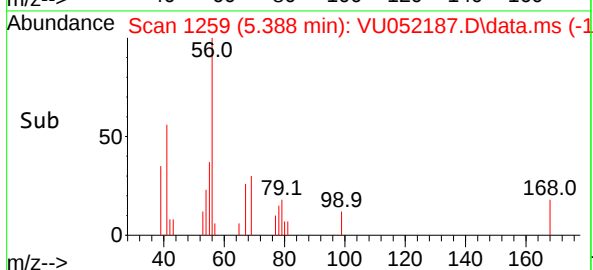
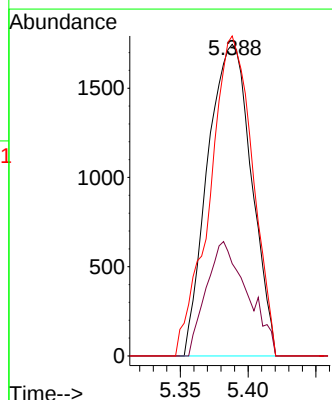
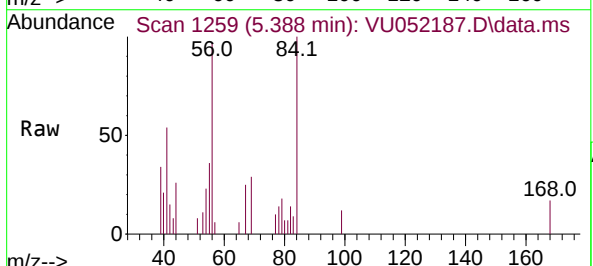
Instrument :
MSVOA_U
ClientSampleId :
MDL01

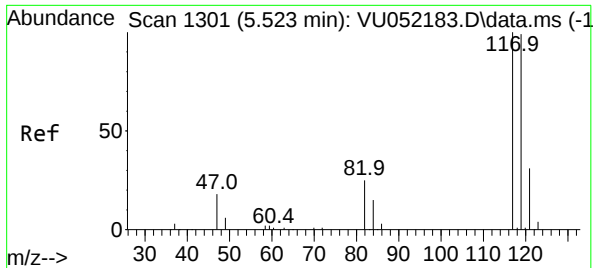
Tgt Ion: 97	Resp: 5290		
Ion Ratio	Lower	Upper	
97 100			
99 64.5	51.0	76.6	
61 47.6	36.9	55.3	



#30
Cyclohexane
Concen: 0.183 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 56	Resp: 3924		
Ion Ratio	Lower	Upper	
56	100		
69	34.4	25.6	38.4
84	100.2	72.0	108.0

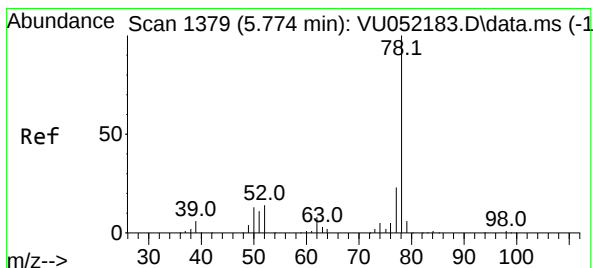
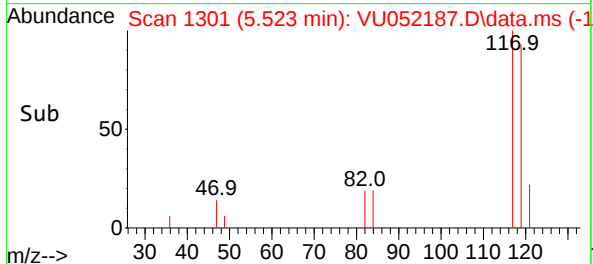
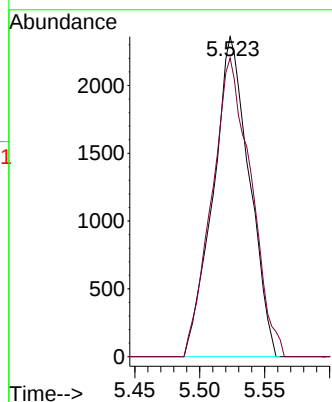
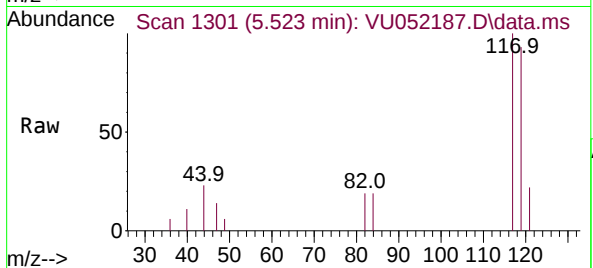




#31
Carbon tetrachloride
Concen: 0.242 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

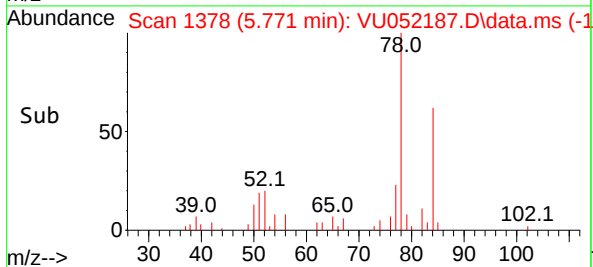
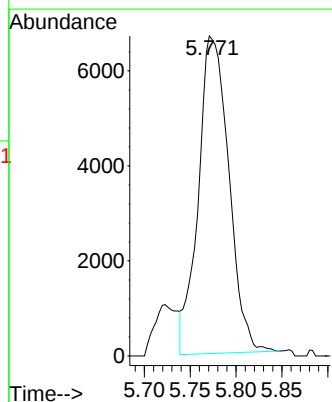
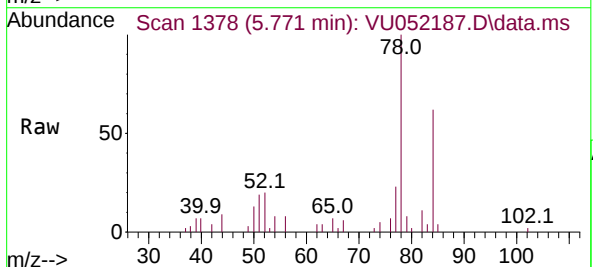
Instrument :
MSVOA_U
ClientSampleId :
MDL01

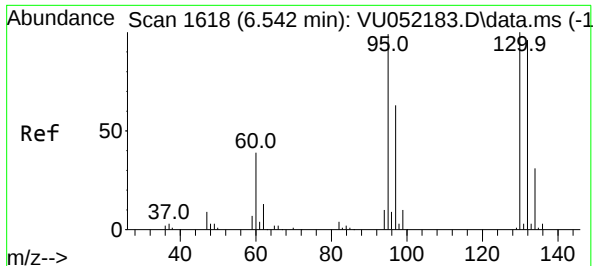
Tgt Ion:117 Resp: 4551
Ion Ratio Lower Upper
117 100
119 101.5 77.2 115.8



#33
Benzene
Concen: 0.238 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 78 Resp: 15452



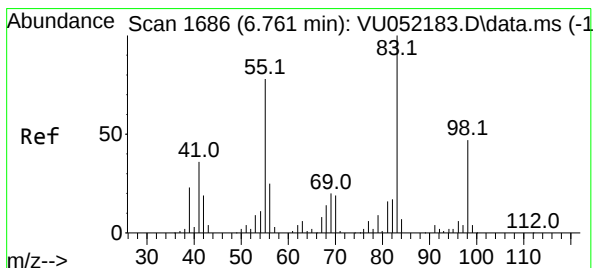
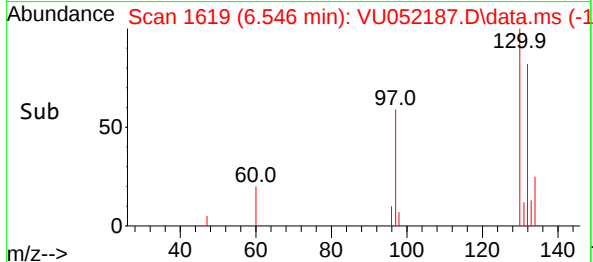
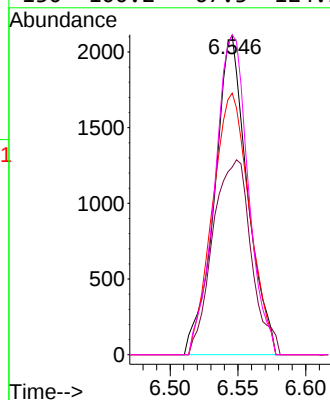
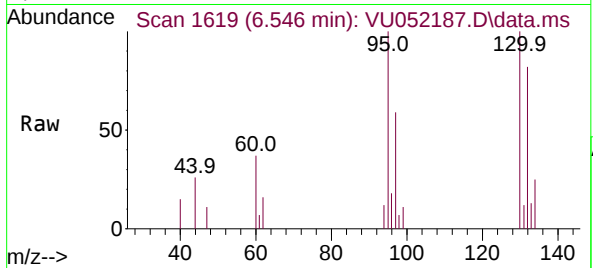


#34
Trichloroethene
Concen: 0.218 ug/L
RT: 6.546 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 95 Resp: 3537

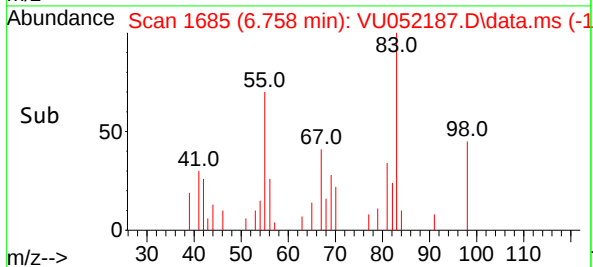
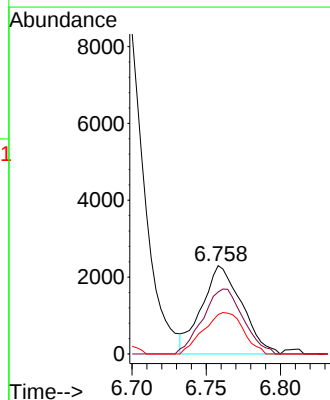
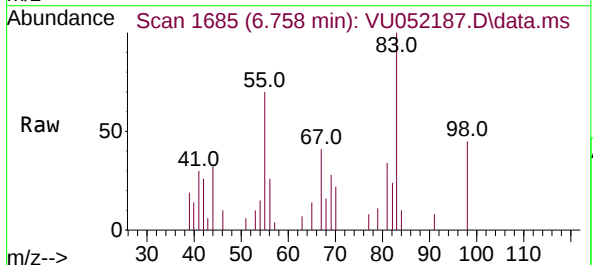
Ion	Ratio	Lower	Upper
95	100		
97	58.7	43.7	81.1
132	81.9	64.3	119.3
130	100.2	67.3	124.9

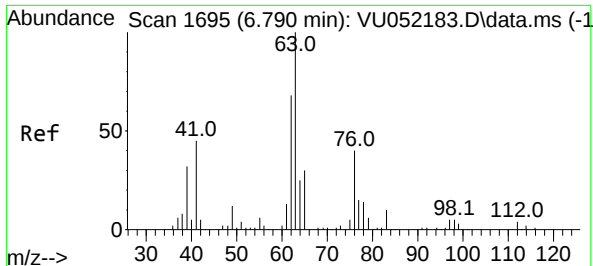


#35
Methylcyclohexane
Concen: 0.184 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 83 Resp: 4288

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.8	91.2
98	46.6	35.1	52.7

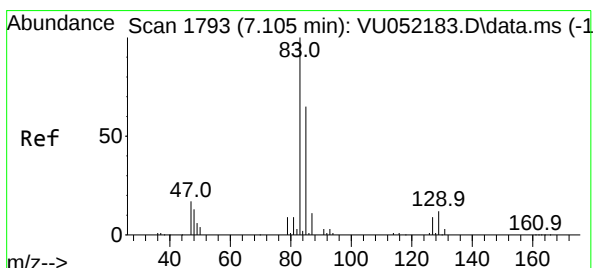
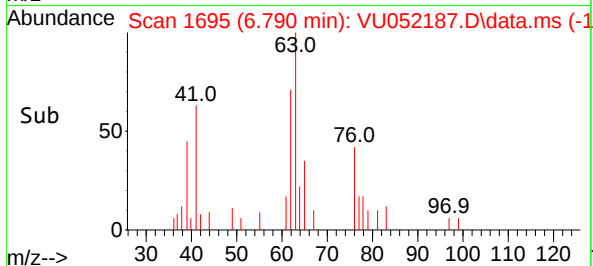
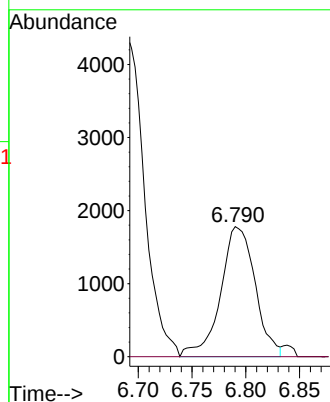
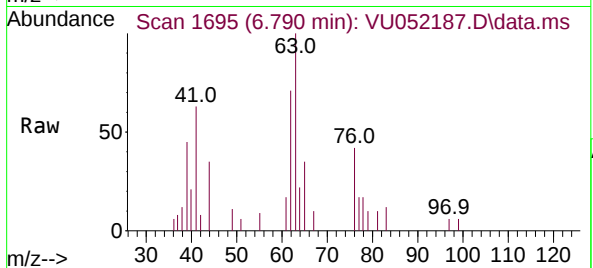




#37
1,2-Dichloropropane
Concen: 0.237 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

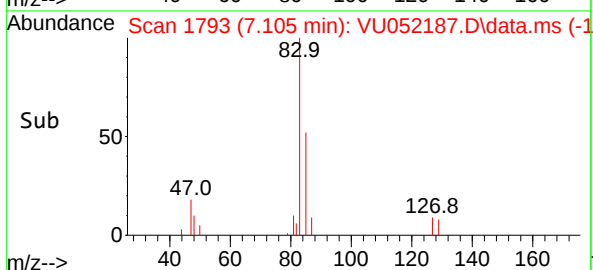
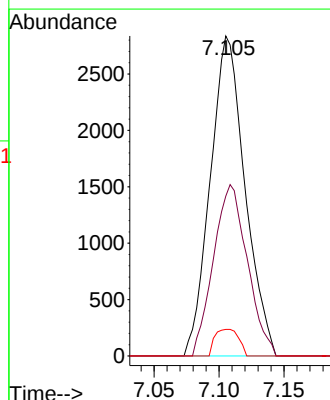
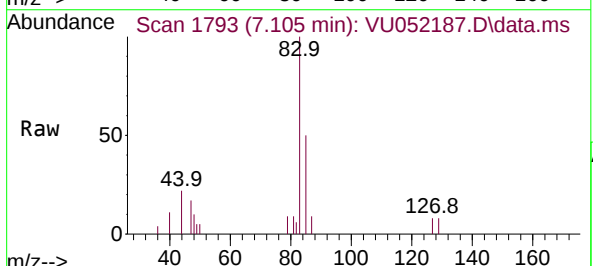
Instrument :
MSVOA_U
ClientSampleId :
MDL01

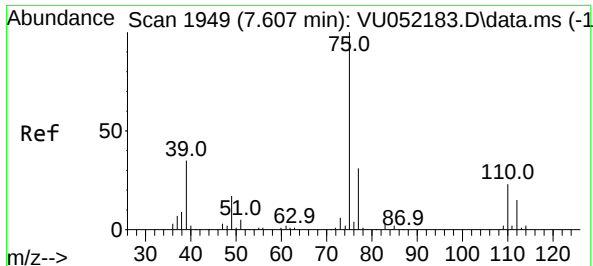
Tgt Ion: 63 Resp: 3983
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#38
Bromodichloromethane
Concen: 0.257 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 83 Resp: 5273
Ion Ratio Lower Upper
83 100
85 49.9 43.5 80.9
127 8.3 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.219 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

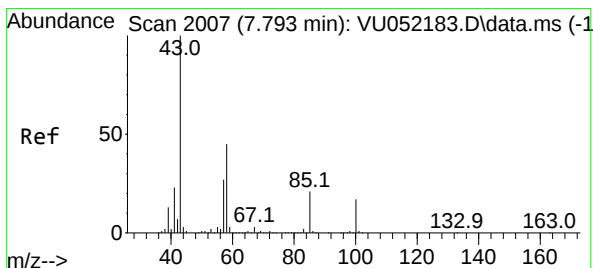
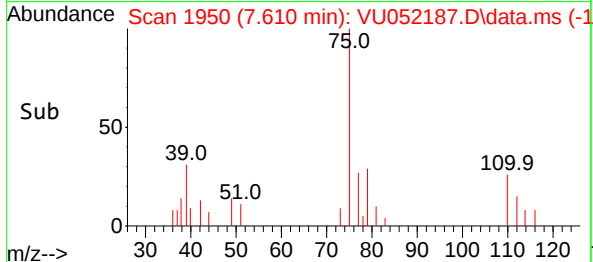
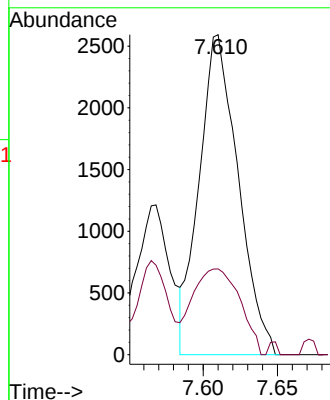
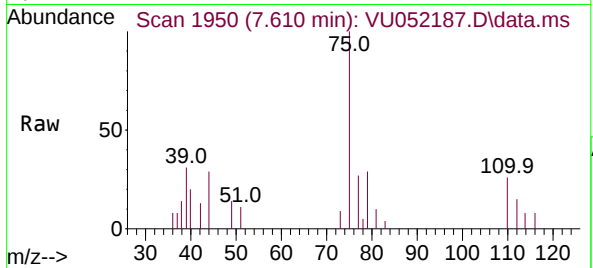
MDL01

Tgt Ion: 75 Resp: 4734

Ion Ratio Lower Upper

75 100

77 26.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 1.801 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

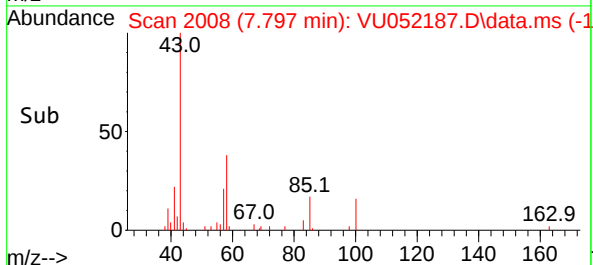
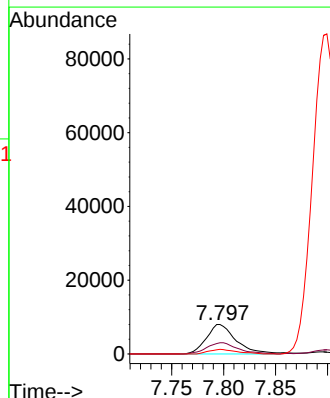
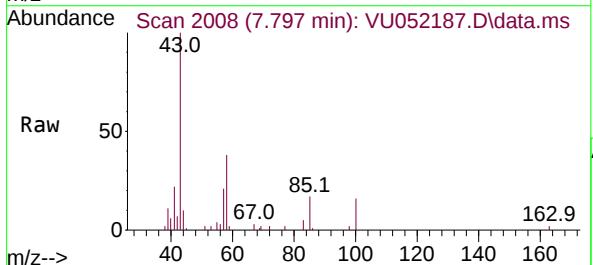
Tgt Ion: 43 Resp: 15819

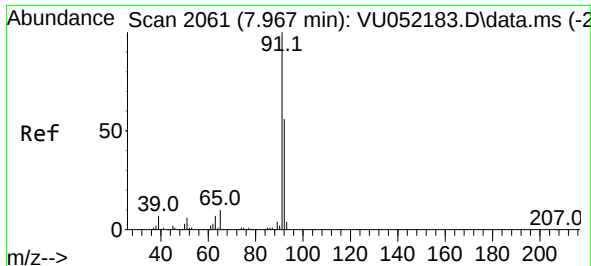
Ion Ratio Lower Upper

43 100

58 39.9 35.3 52.9

100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.210 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

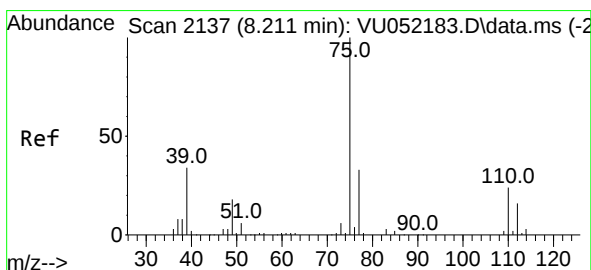
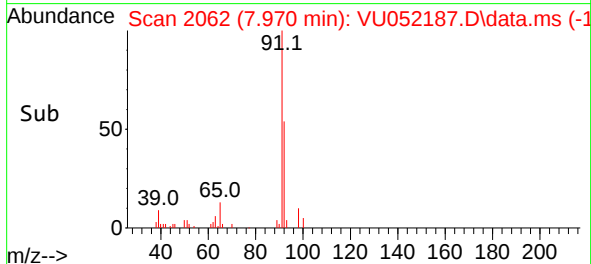
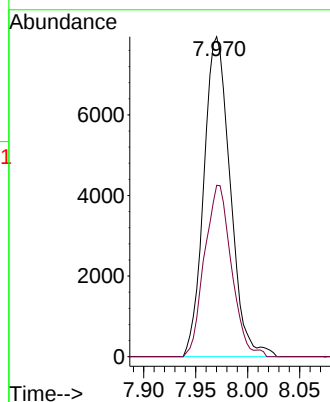
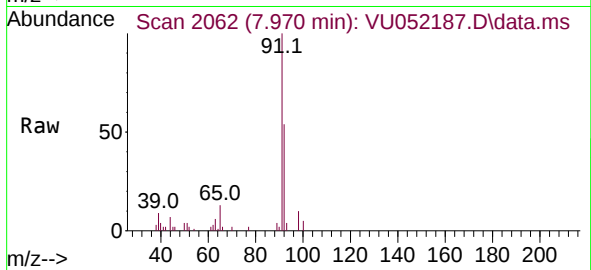
MDL01

Tgt Ion: 91 Resp: 14009

Ion Ratio Lower Upper

91 100

92 53.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.270 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU052187.D

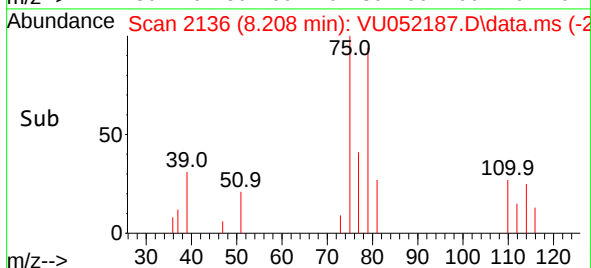
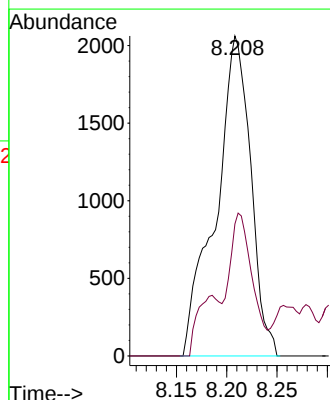
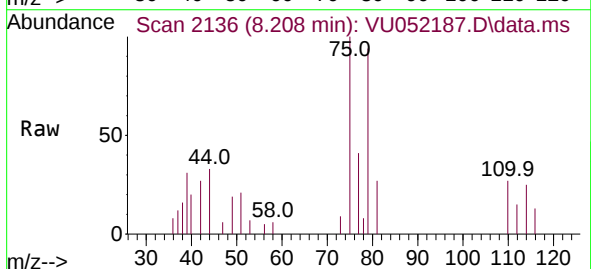
Acq: 06 Dec 2022 12:45

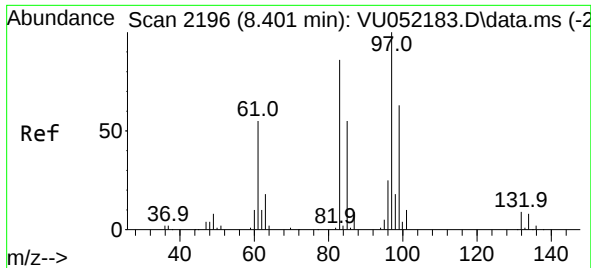
Tgt Ion: 75 Resp: 4985

Ion Ratio Lower Upper

75 100

77 41.3 22.6 42.0

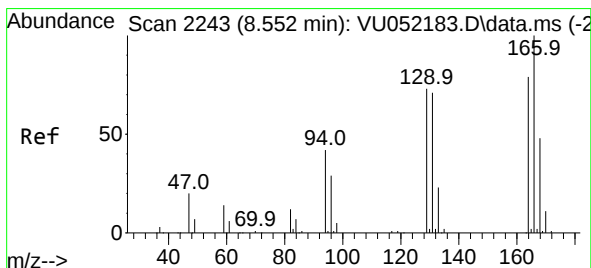
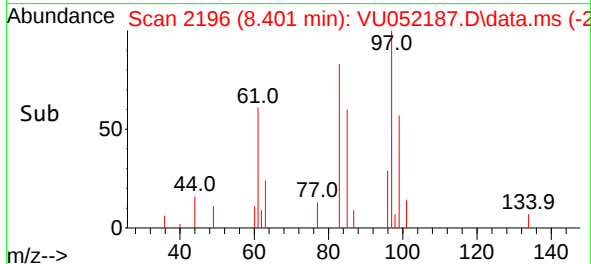
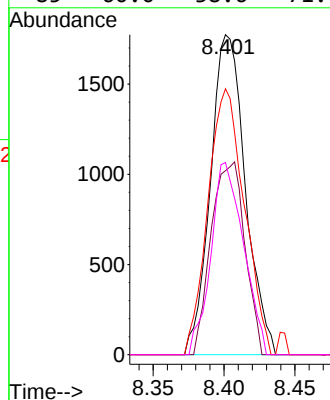
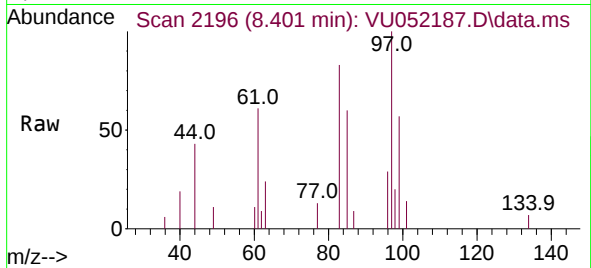




#45
1,1,2-Trichloroethane
Concen: 0.240 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

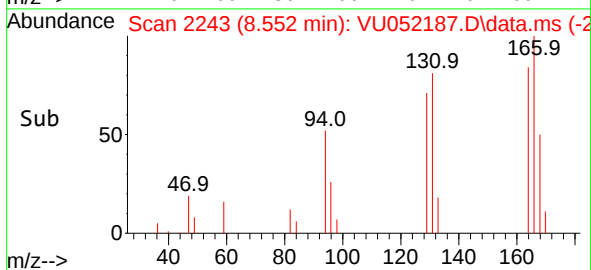
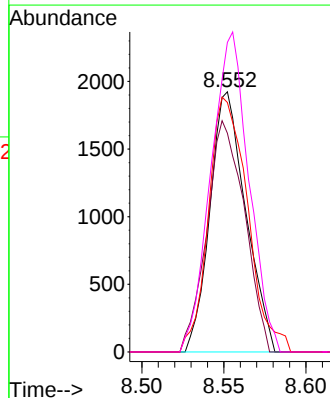
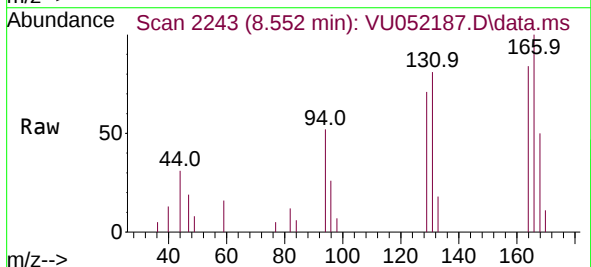
Instrument :
MSVOA_U
ClientSampleId :
MDL01

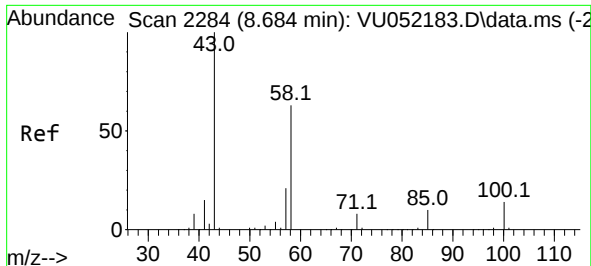
Tgt Ion: 97	Resp:	3036	
Ion	Ratio	Lower	Upper
97	100		
99	57.5	42.6	79.2
83	83.1	60.7	112.7
85	60.0	38.6	71.6



#47
Tetrachloroethene
Concen: 0.235 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt	Ion:164	Resp:	2911
Ion	Ratio	Lower	Upper
164	100		
129	84.1	67.4	125.2
131	95.9	67.1	124.7
166	119.0	89.7	166.5

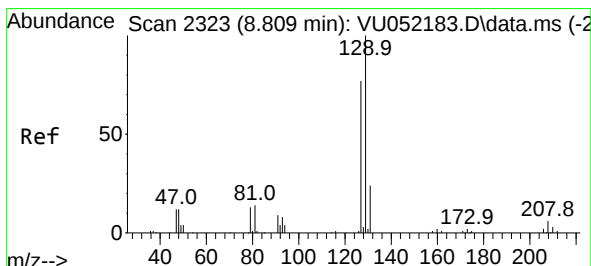
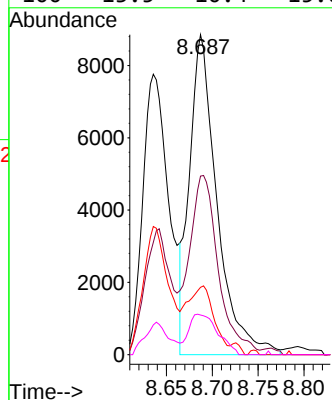
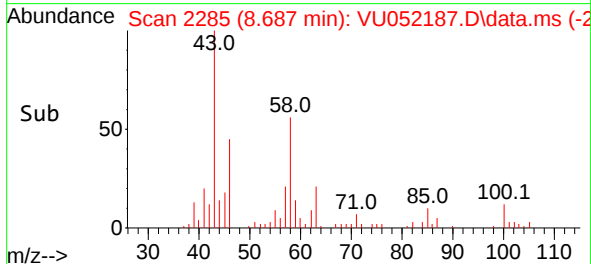
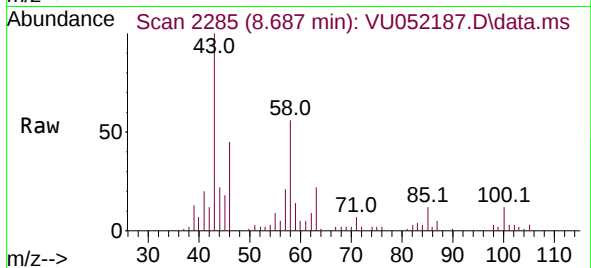




#48
2-Hexanone
Concen: 2.867 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

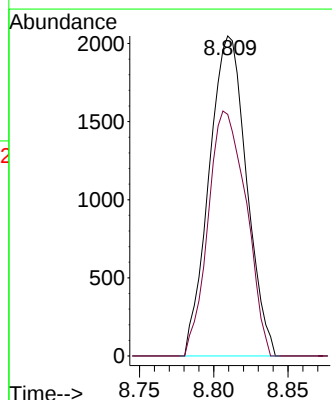
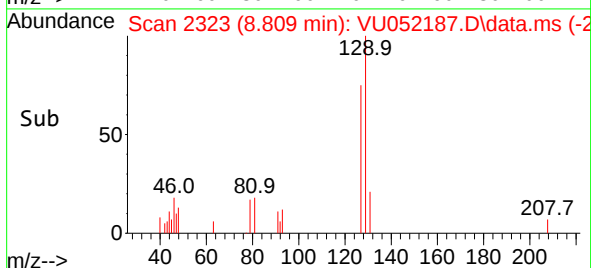
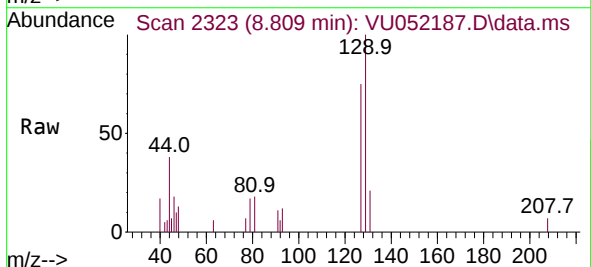
Instrument :
MSVOA_U
ClientSampleId :
MDL01

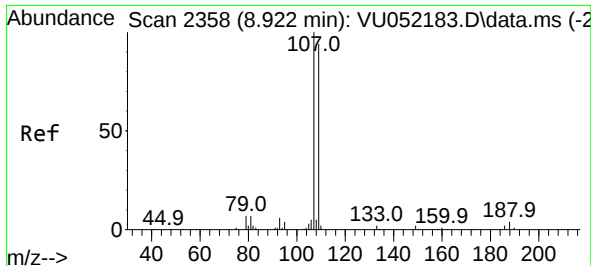
Tgt Ion: 43	Resp:	18461	
Ion	Ratio	Lower	Upper
43	100		
58	60.2	49.4	74.0
57	21.4	16.3	24.5
100	13.5	10.4	15.6



#49
Dibromochloromethane
Concen: 0.254 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion:129	Resp:	3595	
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.8	98.2

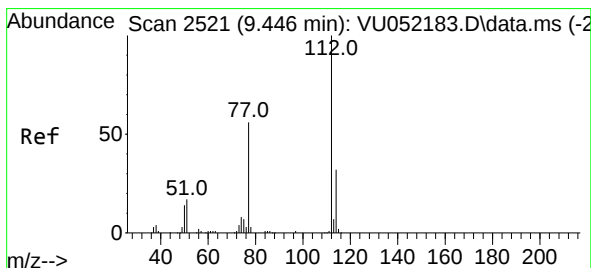
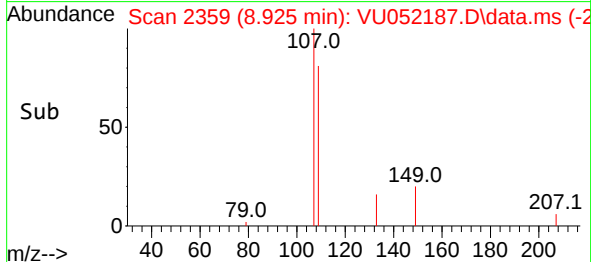
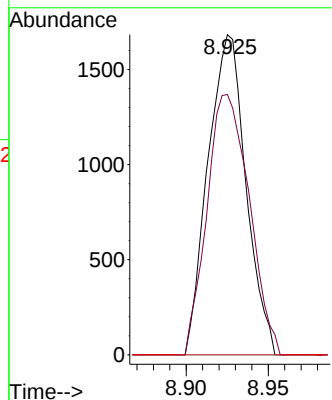
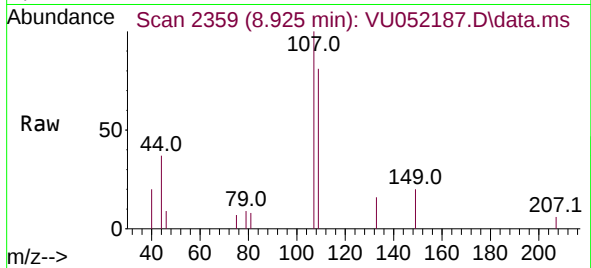




#50
1,2-Dibromoethane
Concen: 0.235 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

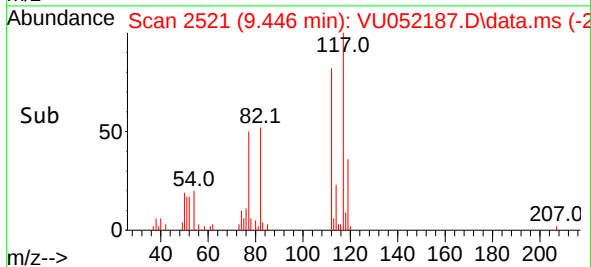
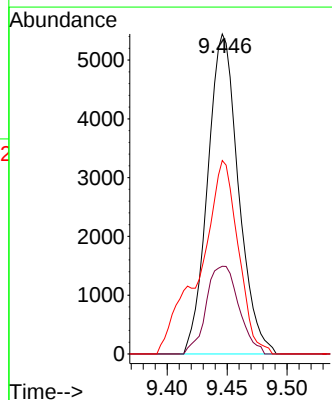
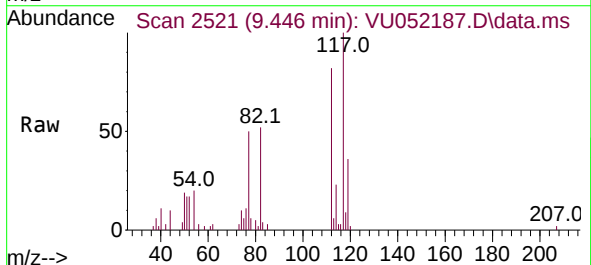
Instrument :
MSVOA_U
ClientSampleId :
MDL01

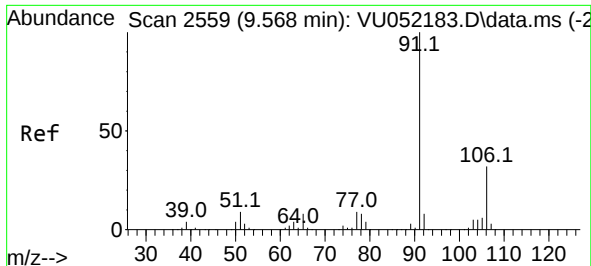
Tgt Ion:107 Resp: 2703
Ion Ratio Lower Upper
107 100
109 81.3 64.9 120.5
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 0.228 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion:112 Resp: 9719
Ion Ratio Lower Upper
112 100
114 27.4 22.2 41.2
77 60.4 46.6 70.0

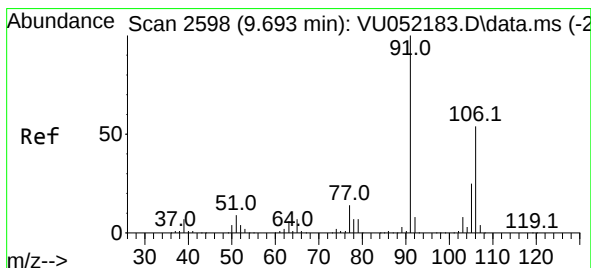
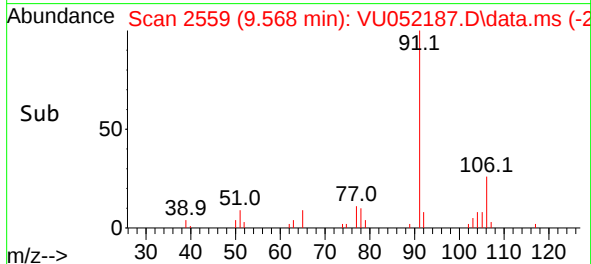
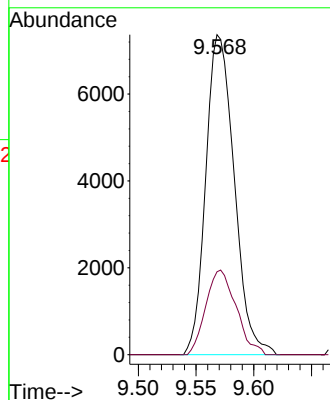
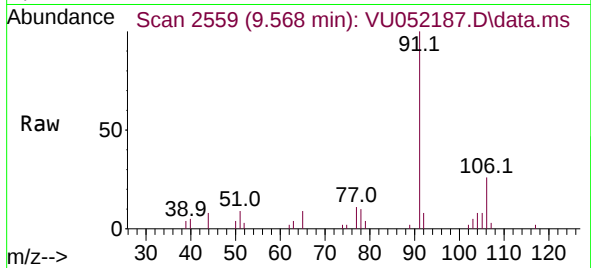




#52
Ethylbenzene
Concen: 0.194 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

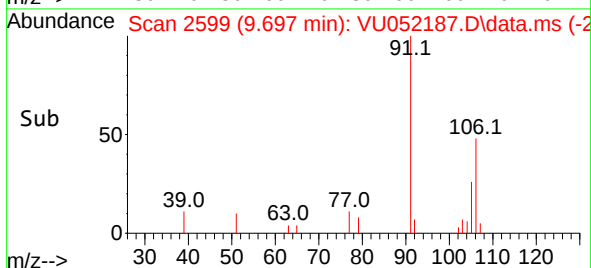
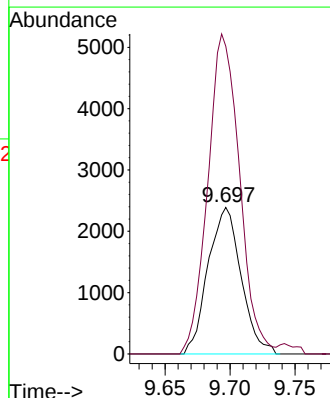
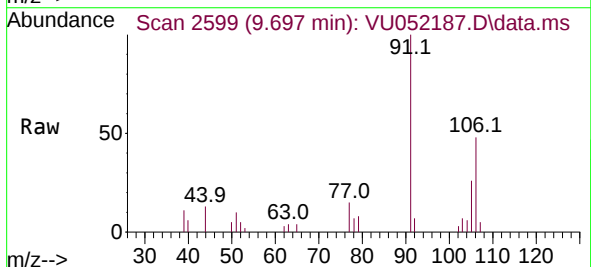
Instrument :
MSVOA_U
ClientSampleId :
MDL01

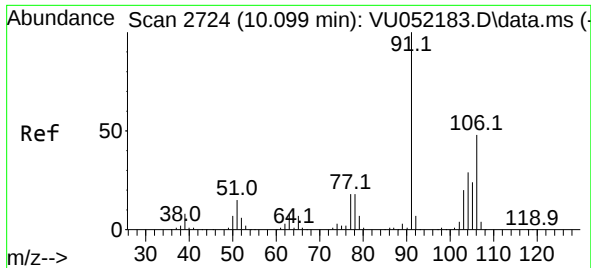
Tgt Ion: 91 Resp: 12619
Ion Ratio Lower Upper
91 100
106 25.9 22.3 41.3



#53
m,p-Xylene
Concen: 0.168 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 106 Resp: 4228
Ion Ratio Lower Upper
106 100
91 210.0 137.7 255.7

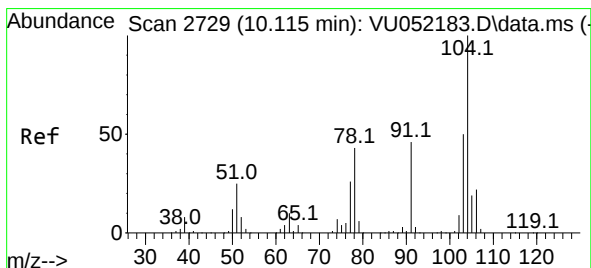
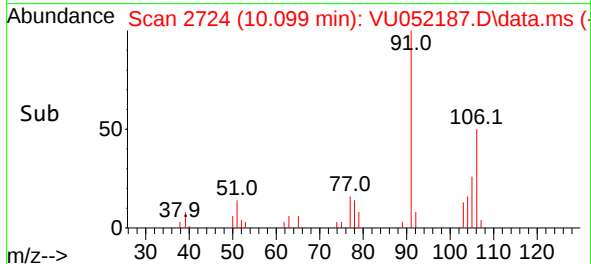
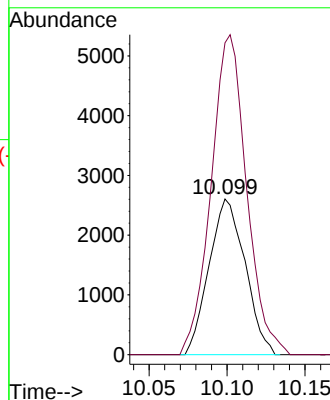
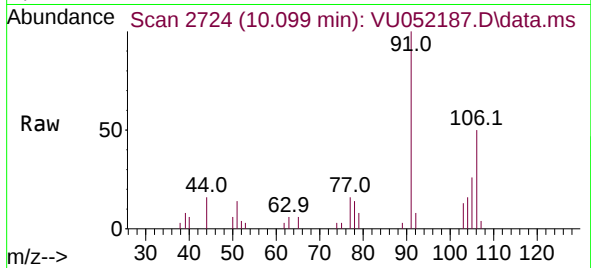




#54
o-Xylene
Concen: 0.174 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

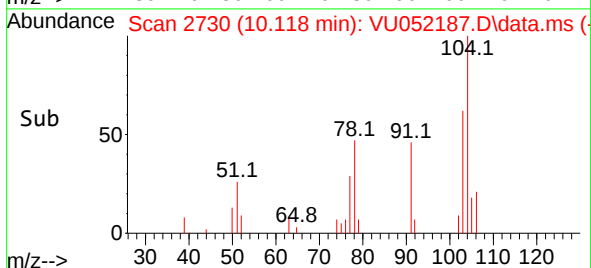
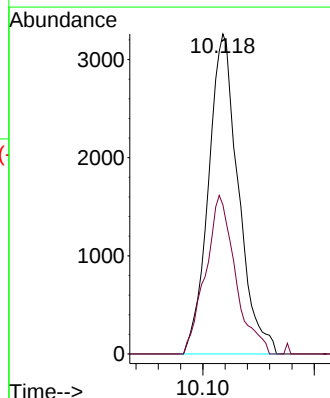
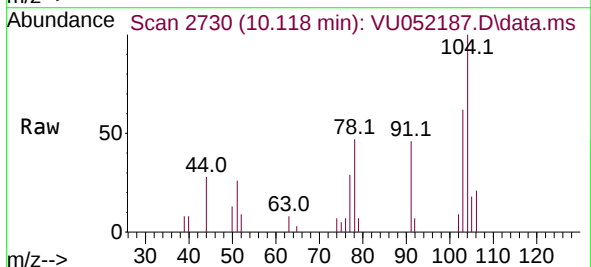
Instrument :
MSVOA_U
ClientSampleId :
MDL01

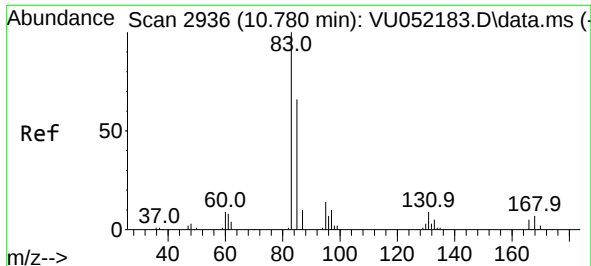
Tgt Ion:106 Resp: 4187
Ion Ratio Lower Upper
106 100
91 200.3 151.5 281.5



#55
Styrene
Concen: 0.149 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion:104 Resp: 6076
Ion Ratio Lower Upper
104 100
78 46.6 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.242 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

MDL01

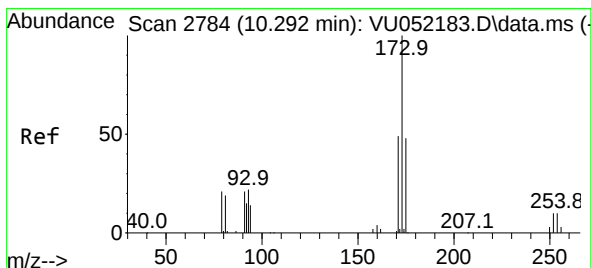
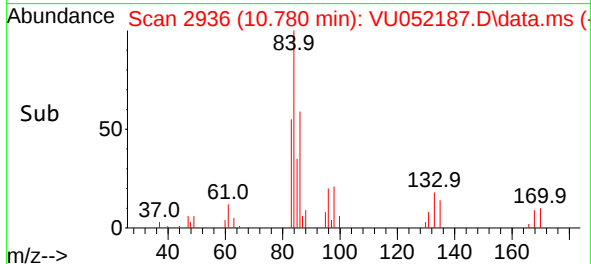
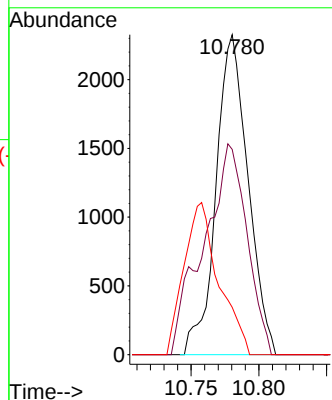
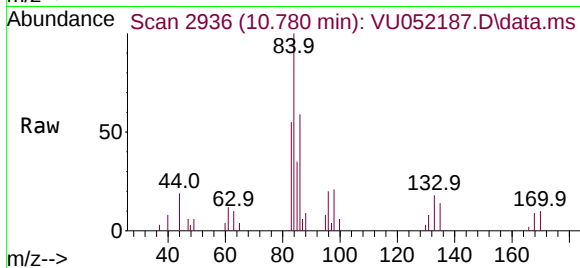
Tgt Ion: 83 Resp: 3814

Ion Ratio Lower Upper

83 100

85 64.2 45.7 84.9

131 14.8 7.6 11.4#



#59

Bromoform

Concen: 0.282 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

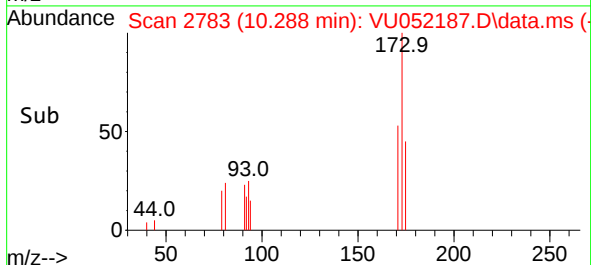
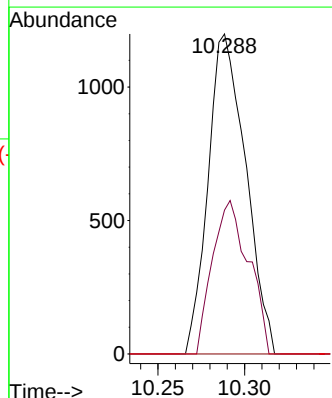
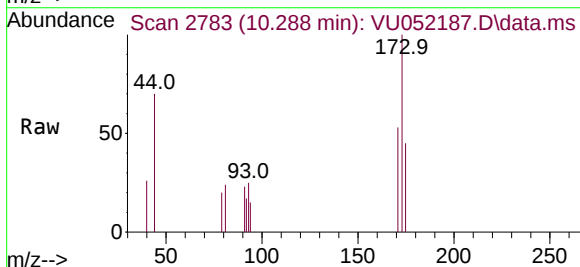
Tgt Ion: 173 Resp: 1805

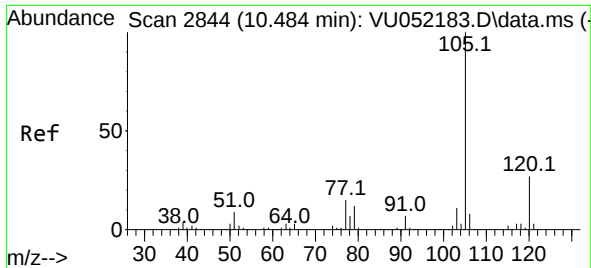
Ion Ratio Lower Upper

173 100

175 46.4 37.2 55.8

254 0.0 7.0 10.6#

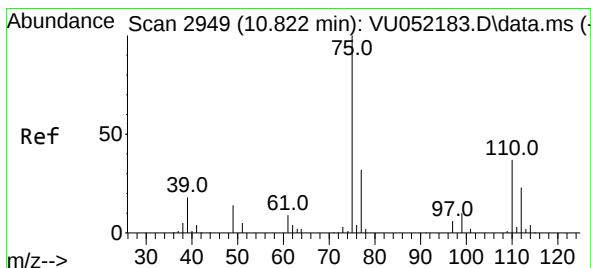
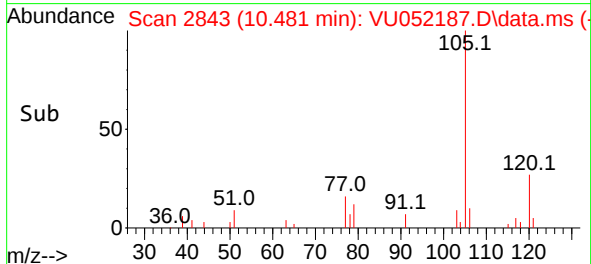
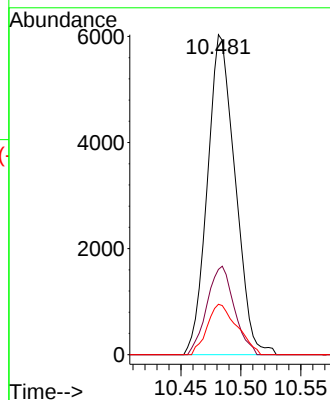
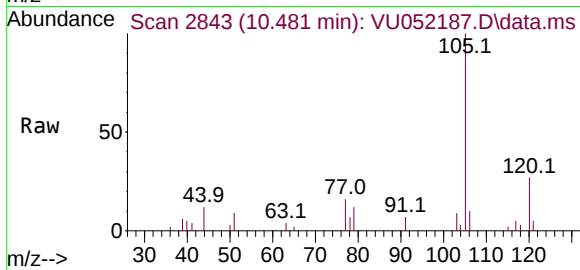




#60
Isopropylbenzene
Concen: 0.198 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

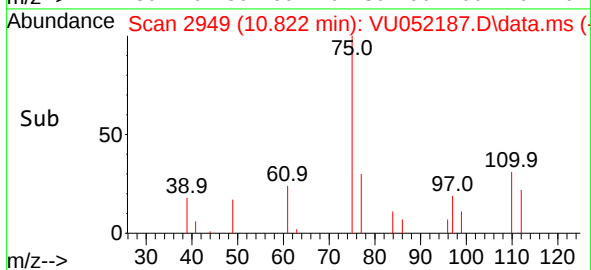
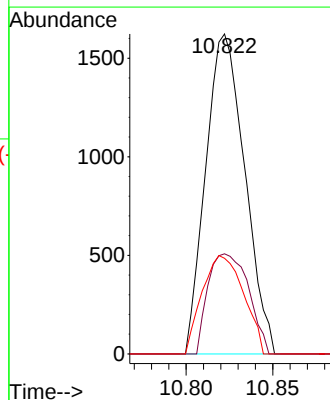
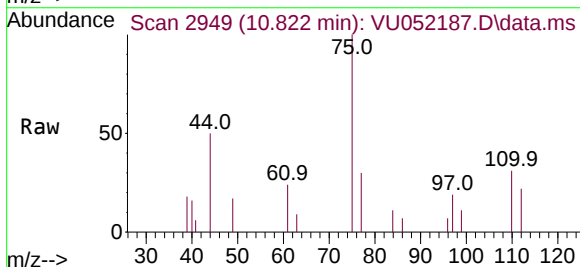
Instrument :
MSVOA_U
ClientSampleId :
MDL01

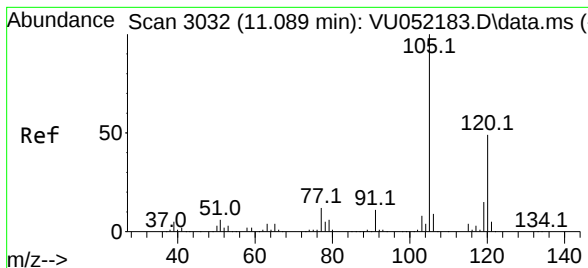
Tgt Ion:105 Resp: 9701
Ion Ratio Lower Upper
105 100
120 27.1 21.0 31.6
77 16.9 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 0.285 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion: 75 Resp: 2543
Ion Ratio Lower Upper
75 100
110 32.5 28.3 42.5
77 32.6 26.2 39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.170 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

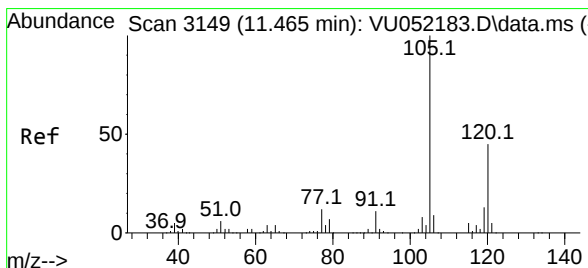
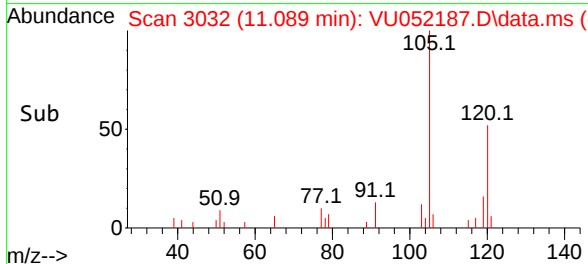
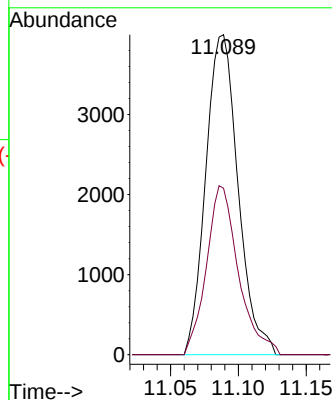
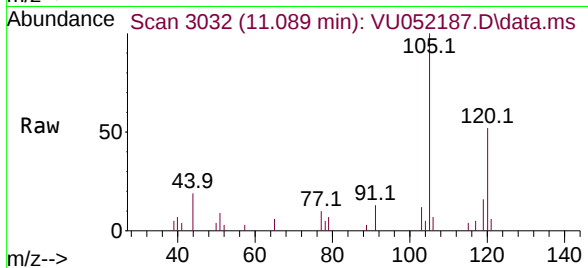
MDL01

Tgt Ion:105 Resp: 6630

Ion Ratio Lower Upper

105 100

120 52.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.168 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU052187.D

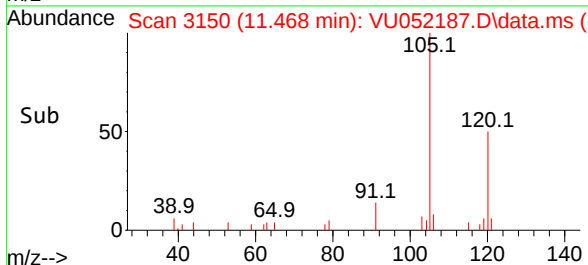
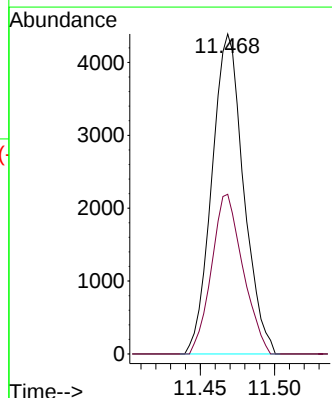
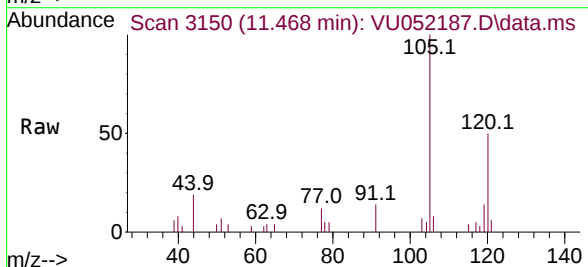
Acq: 06 Dec 2022 12:45

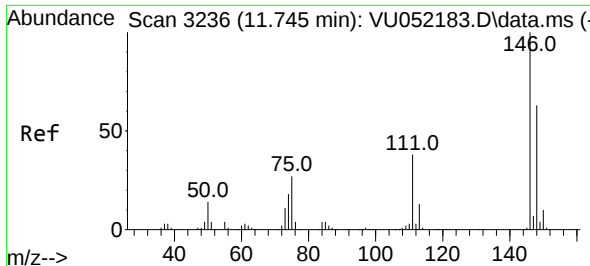
Tgt Ion:105 Resp: 6521

Ion Ratio Lower Upper

105 100

120 49.2 36.6 55.0

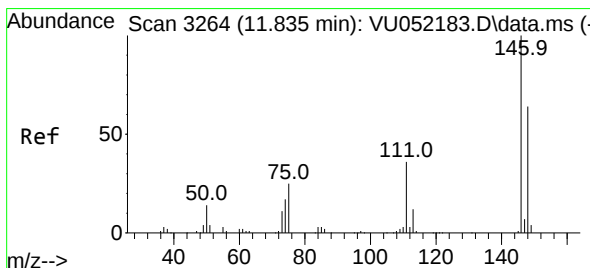
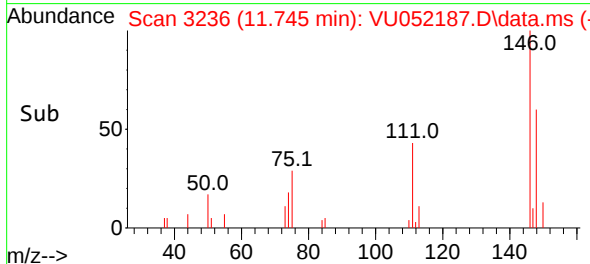
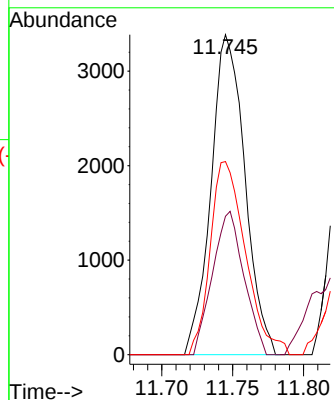
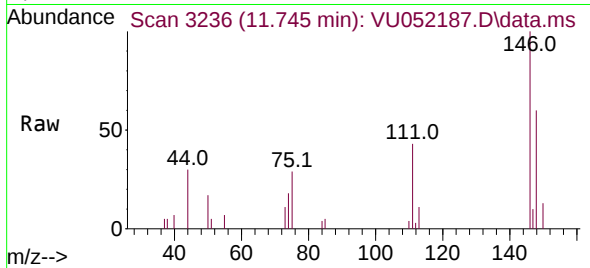




#64
1,3-Dichlorobenzene
Concen: 0.226 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

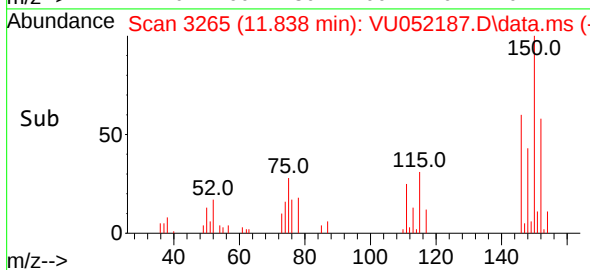
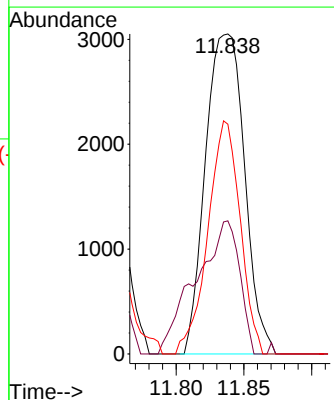
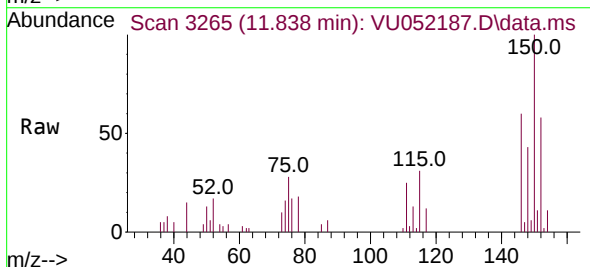
Instrument :
MSVOA_U
ClientSampleId :
MDL01

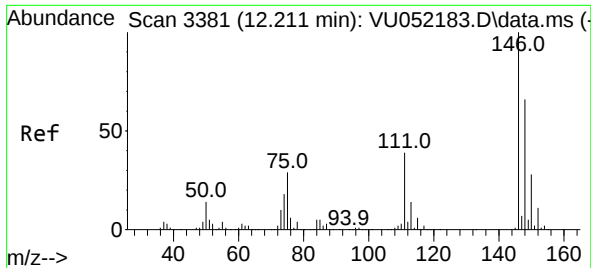
Tgt Ion:146 Resp: 5635
Ion Ratio Lower Upper
146 100
111 43.2 28.6 53.2
148 60.4 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.246 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion:146 Resp: 6122
Ion Ratio Lower Upper
146 100
111 41.6 26.9 50.1
148 71.8 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.257 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

MDL01

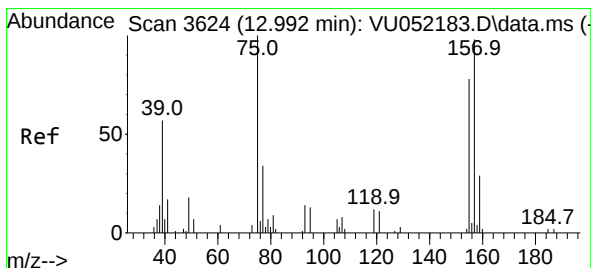
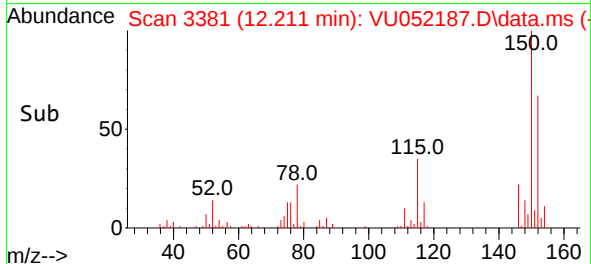
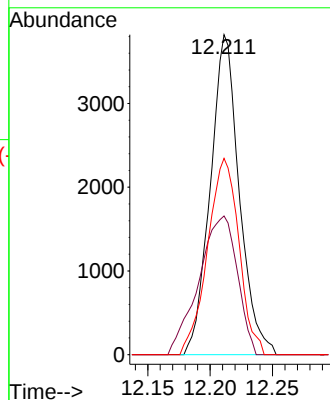
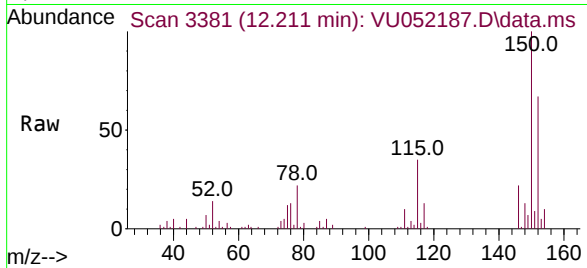
Tgt Ion:146 Resp: 6178

Ion Ratio Lower Upper

146 100

111 43.4 32.7 49.1

148 61.4 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.242 ug/L

RT: 13.005 min Scan# 3628

Delta R.T. 0.013 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

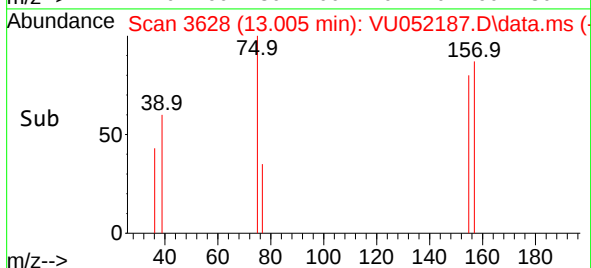
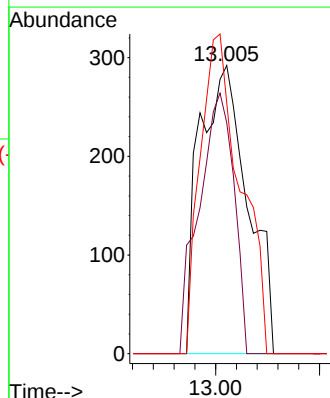
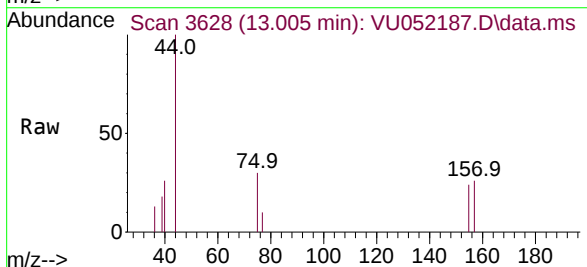
Tgt Ion: 75 Resp: 472

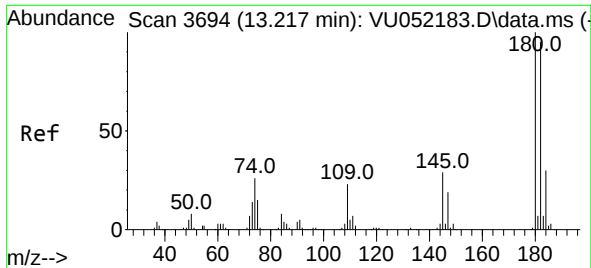
Ion Ratio Lower Upper

75 100

155 80.1 65.4 98.2

157 87.0 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 0.224 ug/L

RT: 13.221 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion:180 Resp: 3966

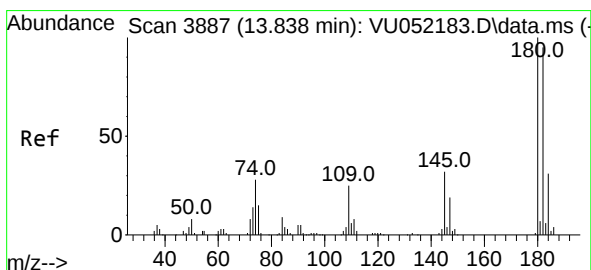
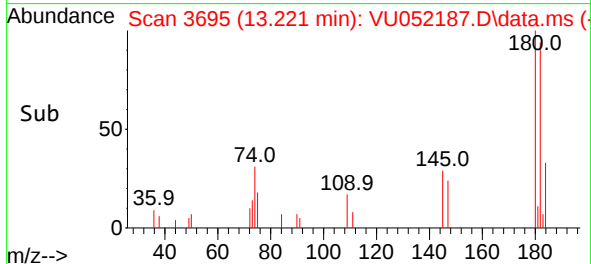
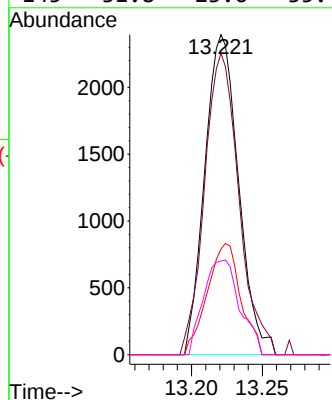
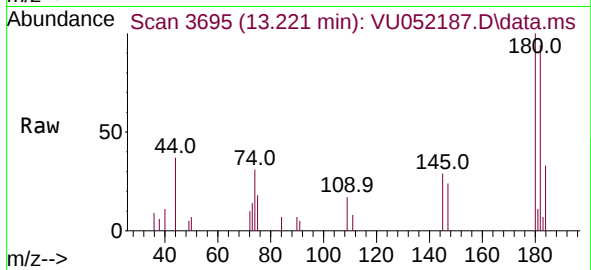
Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

184 34.4 24.3 36.5

145 31.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 0.223 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU052187.D

Acq: 06 Dec 2022 12:45

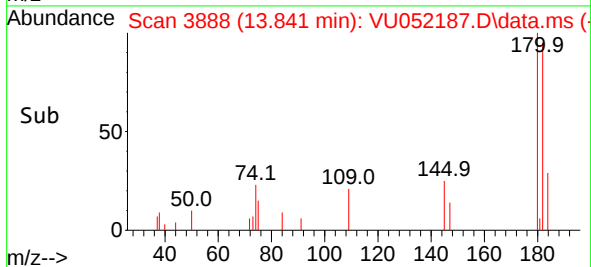
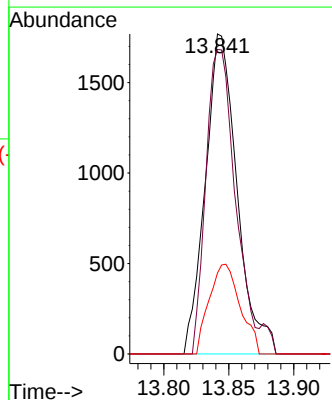
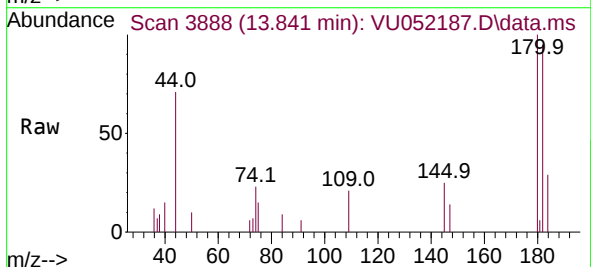
Tgt Ion:180 Resp: 3005

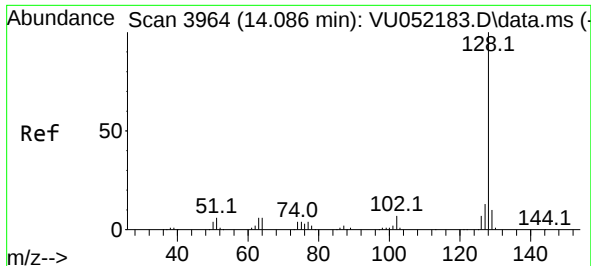
Ion Ratio Lower Upper

180 100

182 88.1 76.3 114.5

145 27.4 24.6 36.8

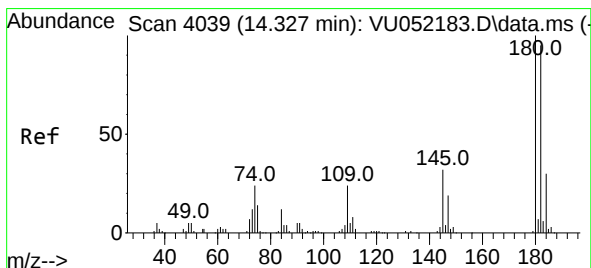
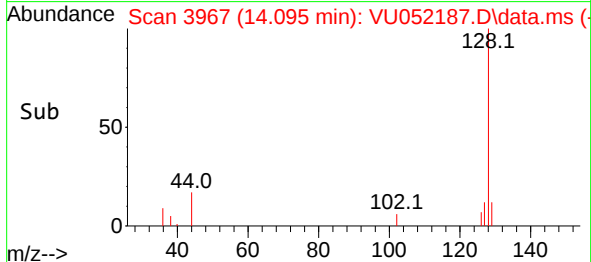
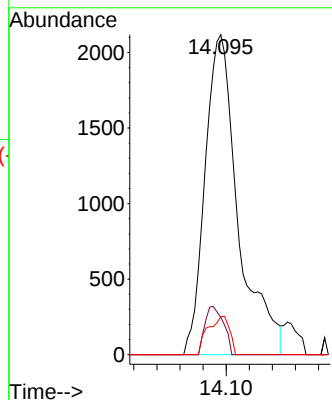
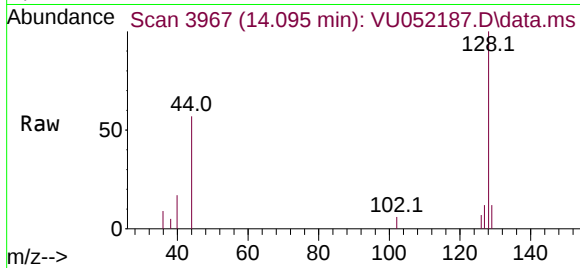




#71
Naphthalene
Concen: 0.167 ug/L
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:128 Resp: 4224
Ion Ratio Lower Upper
128 100
129 8.5 8.3 12.5
127 7.7 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.228 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU052187.D
Acq: 06 Dec 2022 12:45

Tgt Ion:180 Resp: 3021
Ion Ratio Lower Upper
180 100
182 82.2 75.7 113.5
145 25.9 24.5 36.7

