

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052196.D
 Acq On : 07 Dec 2022 12:55
 Operator : JC/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Quant Time: Dec 08 04:14:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	223516	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	227959	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	87248	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99384	4.571	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.912	69	81666	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.565	65	36824	4.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.639	46	178969	45.413	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.820%
24) Chloroform-d	5.060	84	160725	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.700	65	79295	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.726	84	315052	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.690	67	103521	4.943	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.896	98	247222	4.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	8.176	79	32694	4.284	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.632	63	133934	41.408	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.820%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	85040	4.683	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	85044	5.091	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	4099	0.211	ug/L	98
3) Chloromethane	1.523	50	7072	0.280	ug/L	86
5) Vinyl chloride	1.600	62	5179	0.213	ug/L #	67
6) Bromomethane	1.854	94	2548	0.204	ug/L	93
8) Chloroethane	1.935	64	3207	0.212	ug/L	94
9) Trichlorofluoromethane	2.137	101	6087	0.228	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4898	0.300	ug/L #	84
12) 1,1-Dichloroethene	2.575	96	4413	0.272	ug/L #	1
13) Acetone	2.652	43	3116	1.164	ug/L	54
14) Carbon disulfide	2.793	76	12580	0.224	ug/L	96
15) Methyl Acetate	2.967	43	866	0.125	ug/L #	67
16) Methylene chloride	3.044	84	10288	0.469	ug/L	93
17) Methyl tert-butyl Ether	3.366	73	6533	0.180	ug/L #	95
18) trans-1,2-Dichloroethene	3.356	96	3699	0.213	ug/L	85
19) 1,1-Dichloroethane	3.867	63	6673	0.213	ug/L	97
21) 2-Butanone	4.665	43	128	0.030	ug/L	86
22) cis-1,2-Dichloroethene	4.668	96	3735	0.205	ug/L	85
23) Bromochloromethane	4.973	128	1782	0.204	ug/L	93
25) Chloroform	5.086	83	7898	0.249	ug/L	96

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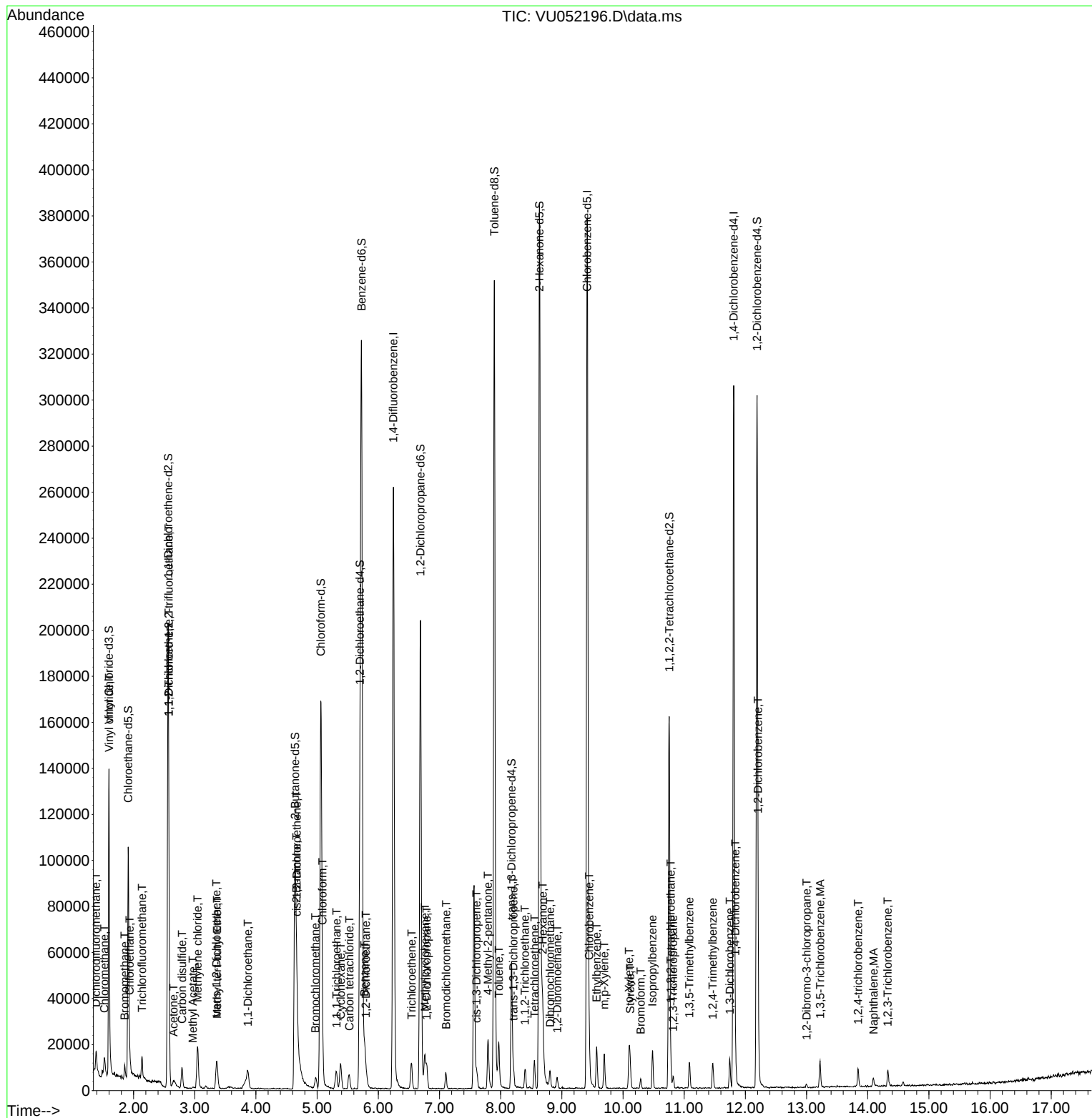
Quant Time: Dec 08 04:14:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
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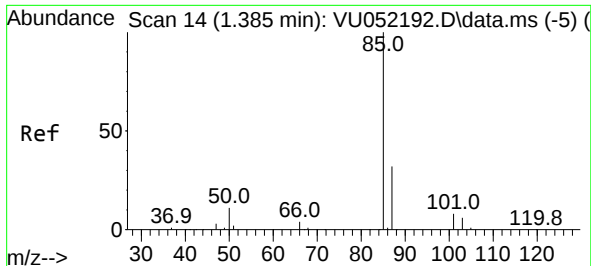
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	3895	0.200	ug/L #	94
29) 1,1,1-Trichloroethane	5.317	97	5128	0.203	ug/L	93
30) Cyclohexane	5.385	56	4293	0.175	ug/L #	95
31) Carbon tetrachloride	5.526	117	4631	0.215	ug/L	99
33) Benzene	5.774	78	15236	0.205	ug/L	100
34) Trichloroethene	6.546	95	3627	0.196	ug/L	98
35) Methylcyclohexane	6.764	83	4786	0.180	ug/L	98
37) 1,2-Dichloropropane	6.793	63	4011	0.209	ug/L #	88
38) Bromodichloromethane	7.108	83	4936	0.211	ug/L #	91
39) cis-1,3-Dichloropropene	7.603	75	4339	0.176	ug/L	89
40) 4-Methyl-2-pentanone	7.793	43	14901	1.485	ug/L #	85
42) Toluene	7.970	91	13932	0.183	ug/L	95
44) trans-1,3-Dichloropropene	8.208	75	4168	0.197	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	3218	0.223	ug/L	97
47) Tetrachloroethene	8.555	164	2965	0.209	ug/L	94
48) 2-Hexanone	8.687	43	16839	2.289	ug/L #	97
49) Dibromochloromethane	8.809	129	3512	0.217	ug/L	94
50) 1,2-Dibromoethane	8.925	107	2501	0.190	ug/L #	87
51) Chlorobenzene	9.446	112	10397	0.214	ug/L	98
52) Ethylbenzene	9.568	91	12054	0.162	ug/L	96
53) m,p-Xylene	9.693	106	4112	0.143	ug/L	89
54) o-Xylene	10.099	106	4264	0.155	ug/L	86
55) Styrene	10.118	104	5908	0.127	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.780	83	3879	0.215	ug/L #	98
59) Bromoform	10.288	173	1840	0.256	ug/L #	93
60) Isopropylbenzene	10.481	105	10021	0.183	ug/L	97
61) 1,2,3-Trichloropropane	10.819	75	2483	0.249	ug/L	97
62) 1,3,5-Trimethylbenzene	11.082	105	6917	0.158	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	6734	0.155	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	5404	0.193	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	6025	0.216	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	6127	0.227	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.999	75	418	0.191	ug/L	92
69) 1,3,5-Trichlorobenzene	13.224	180	4561	0.230	ug/L #	91
70) 1,2,4-trichlorobenzene	13.841	180	3349	0.222	ug/L	93
71) Naphthalene	14.095	128	4784	0.169	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.327	180	2753	0.185	ug/L	97

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

Instrument :
MSVOA_U
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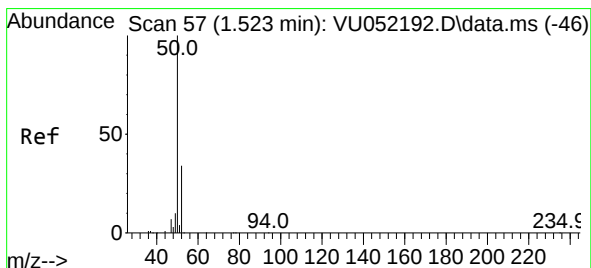
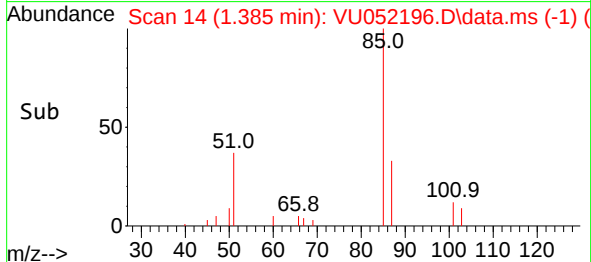
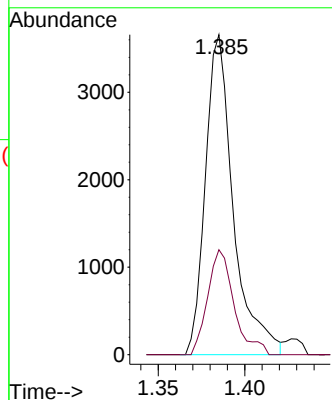
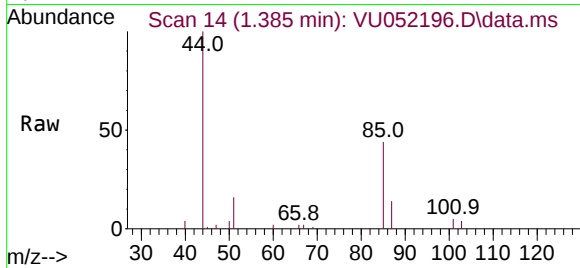




#2
Dichlorodifluoromethane
Concen: 0.211 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

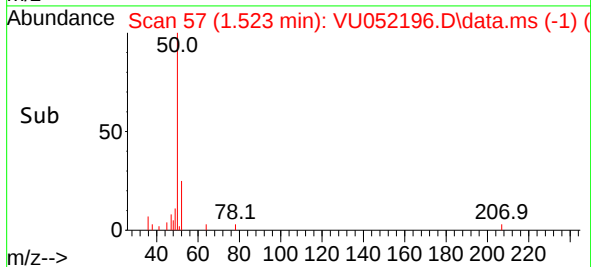
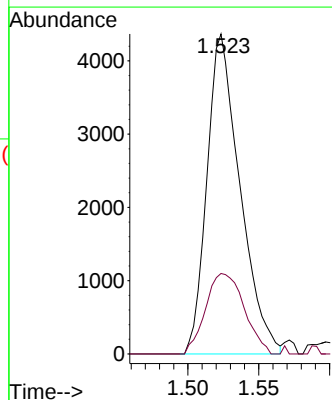
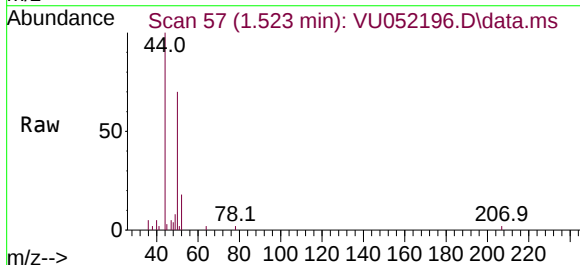
Instrument :
MSVOA_U
ClientSampleId :
MDL05

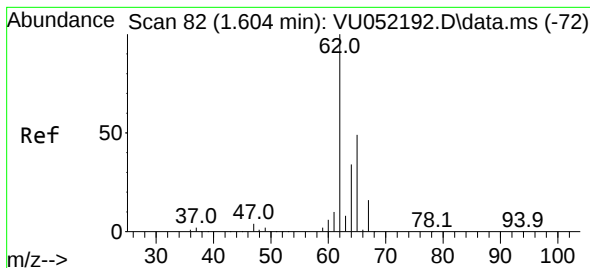
Tgt Ion: 85 Resp: 4099
Ion Ratio Lower Upper
85 100
87 31.0 25.8 38.8



#3
Chloromethane
Concen: 0.280 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 50 Resp: 7072
Ion Ratio Lower Upper
50 100
52 25.2 23.4 43.4





#5

Vinyl chloride

Concen: 0.213 ug/L

RT: 1.600 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

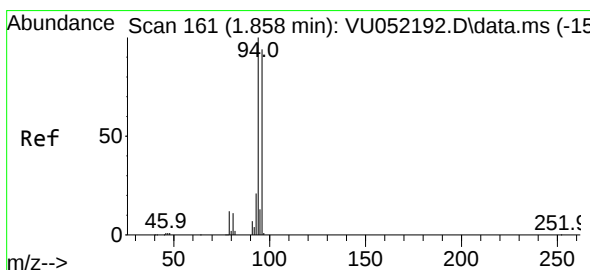
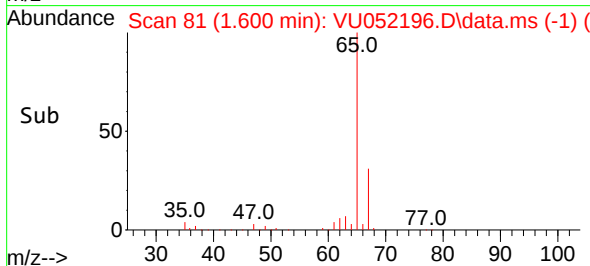
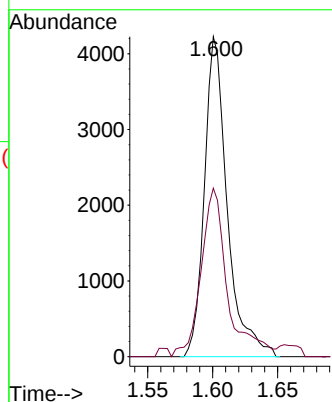
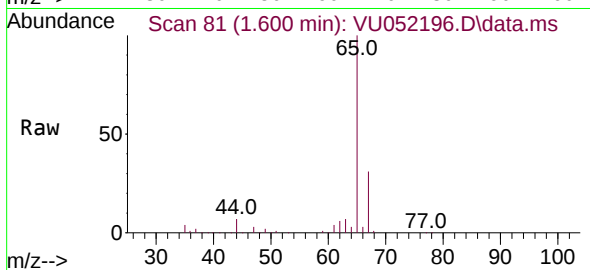
MDL05

Tgt Ion: 62 Resp: 5179

Ion Ratio Lower Upper

62 100

64 52.7 23.5 43.7#



#6

Bromomethane

Concen: 0.204 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052196.D

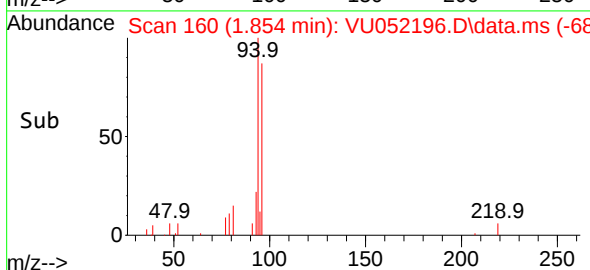
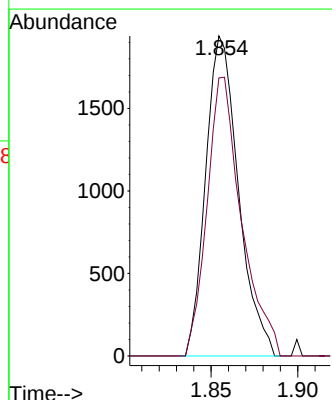
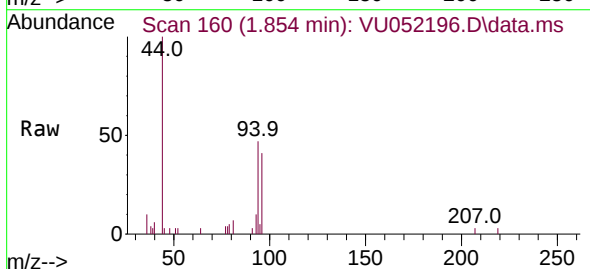
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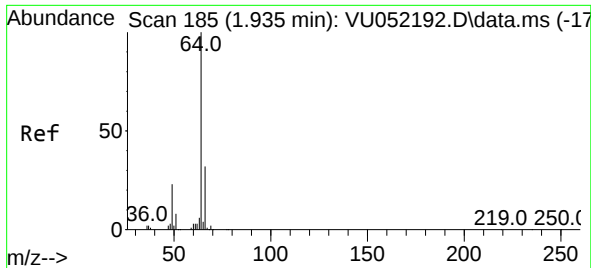
Tgt Ion: 94 Resp: 2548

Ion Ratio Lower Upper

94 100

96 86.9 65.7 122.1

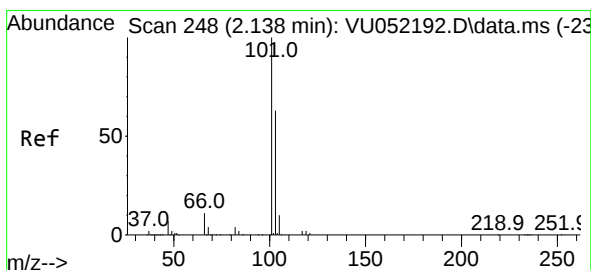
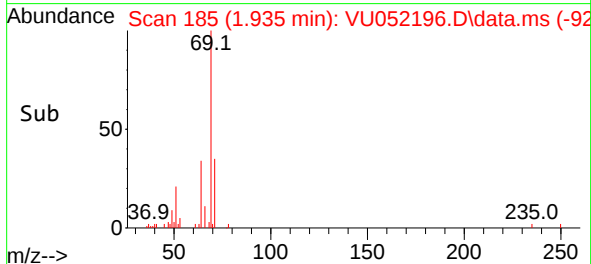
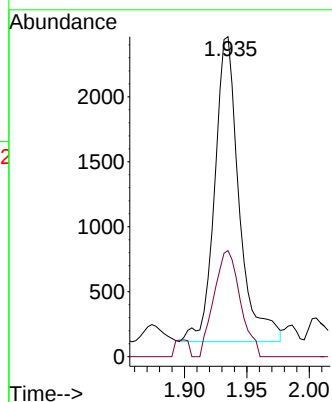
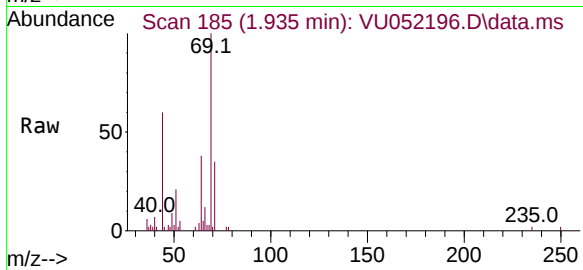




#8
Chloroethane
Concen: 0.212 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

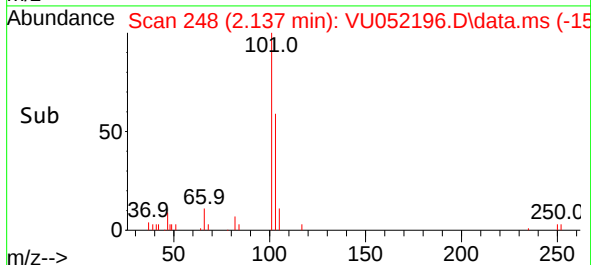
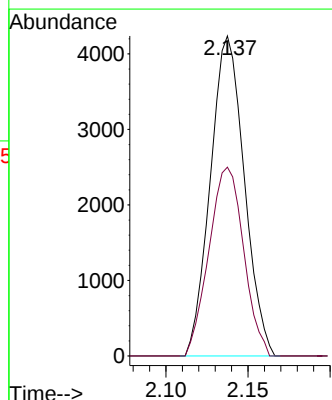
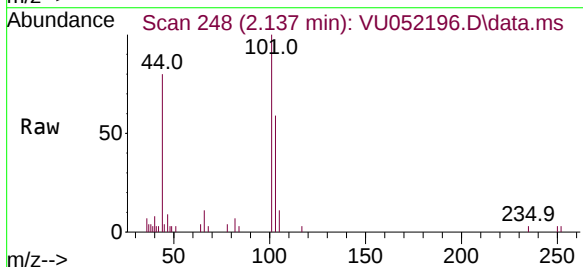
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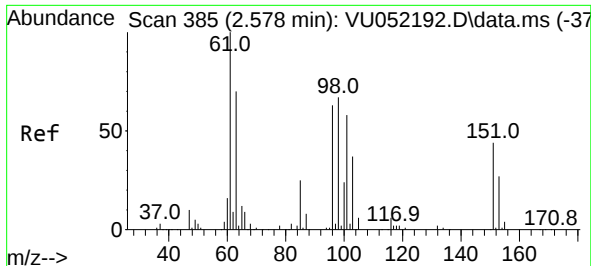
Tgt Ion: 64 Resp: 3207
Ion Ratio Lower Upper
64 100
66 33.2 21.1 39.1



#9
Trichlorofluoromethane
Concen: 0.228 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 101 Resp: 6087
Ion Ratio Lower Upper
101 100
103 60.3 51.6 77.4

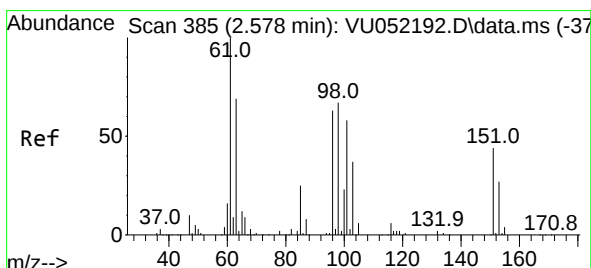
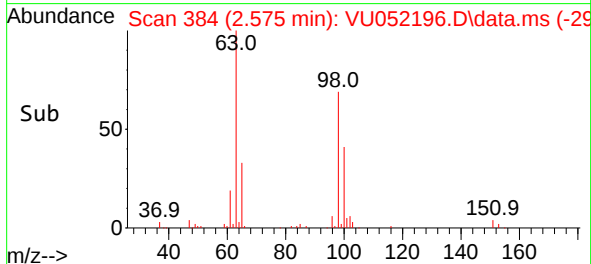
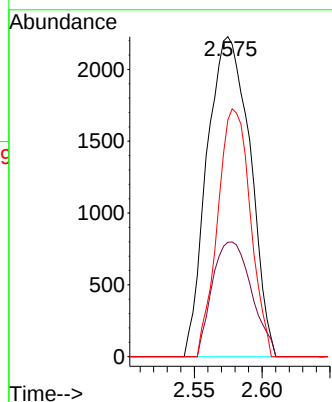
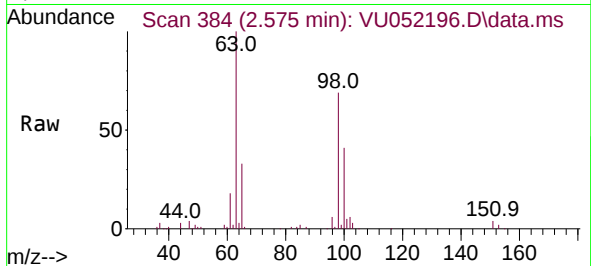




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.300 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

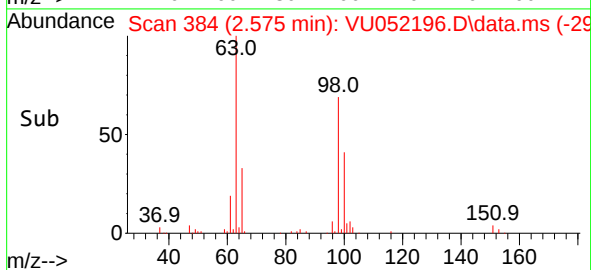
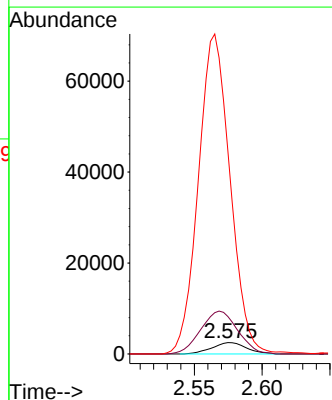
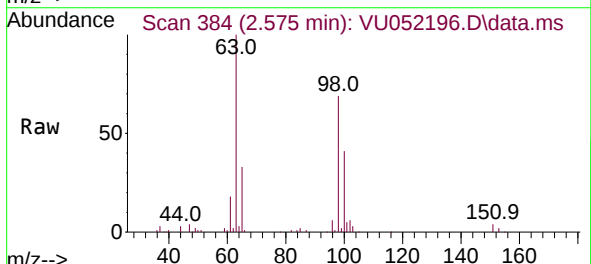
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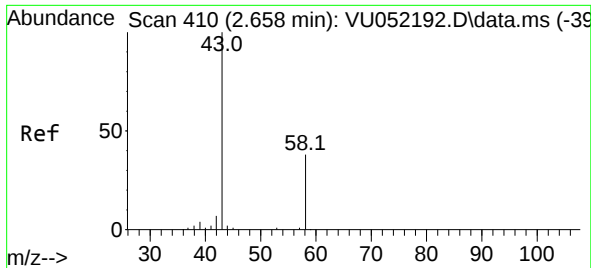
Tgt Ion:101 Resp: 4898
 Ion Ratio Lower Upper
 101 100
 85 32.8 33.8 50.6#
 151 59.3 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 0.272 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

Tgt Ion: 96 Resp: 4413
 Ion Ratio Lower Upper
 96 100
 61 328.7 114.8 213.2#
 63 1781.2 93.7 174.1#





#13

Acetone

Concen: 1.164 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.006 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

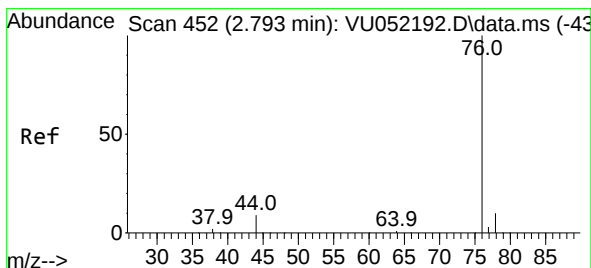
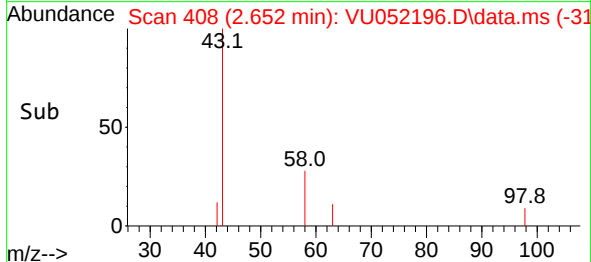
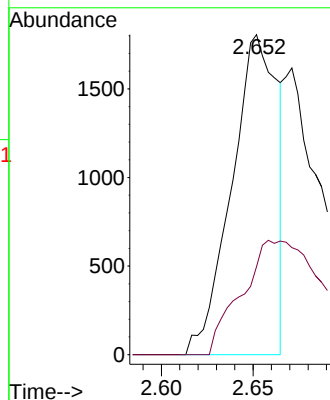
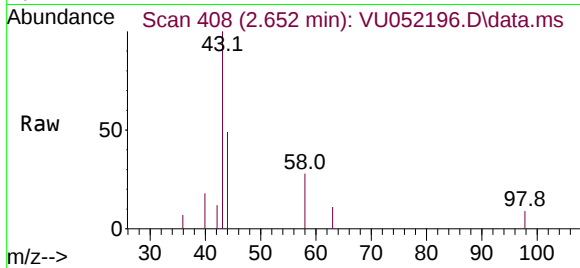
MDL05

Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

43 100

58 65.9 0.0 76.0



#14

Carbon disulfide

Concen: 0.224 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052196.D

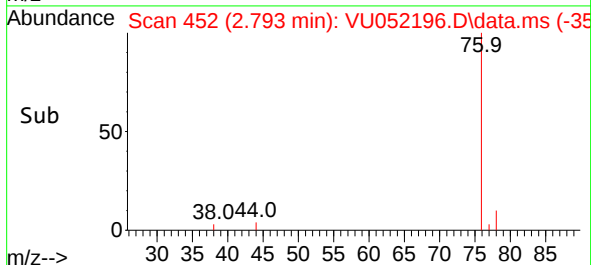
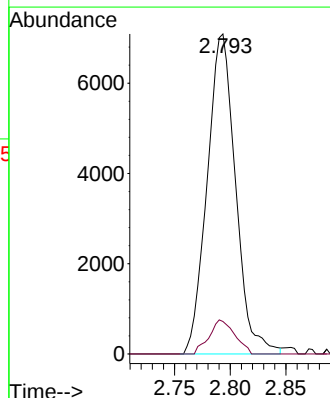
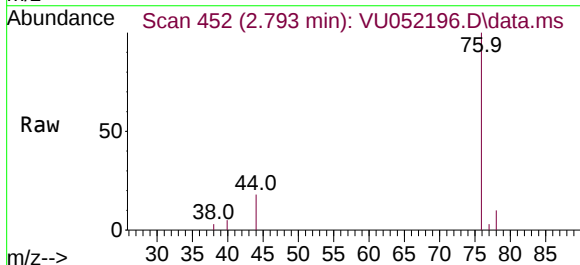
Acq: 07 Dec 2022 12:55

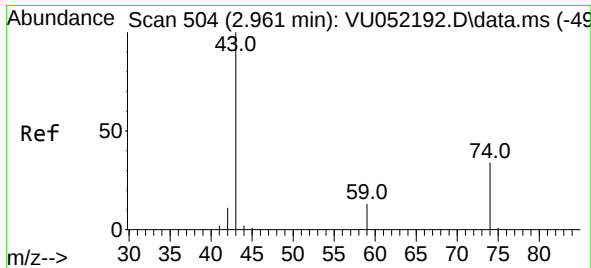
Tgt Ion: 76 Resp: 12580

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.4

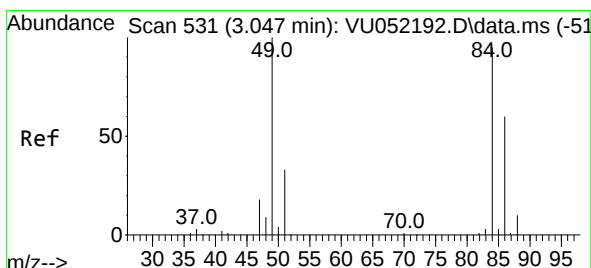
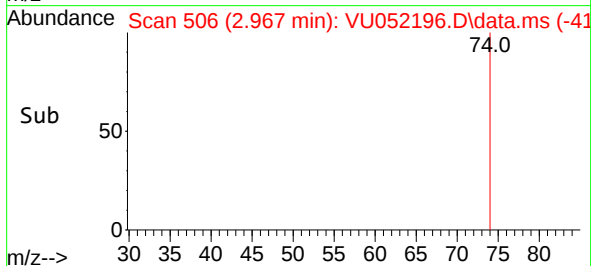
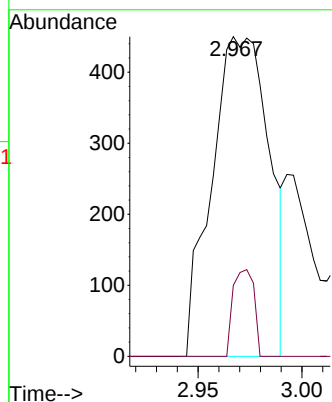
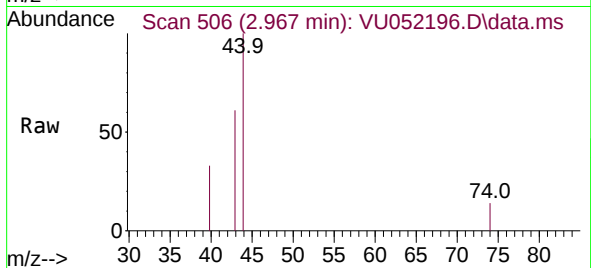




#15
Methyl Acetate
Concen: 0.125 ug/L
RT: 2.967 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

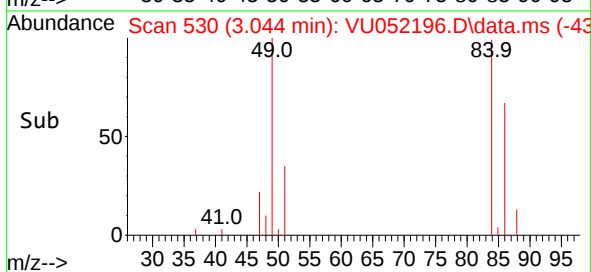
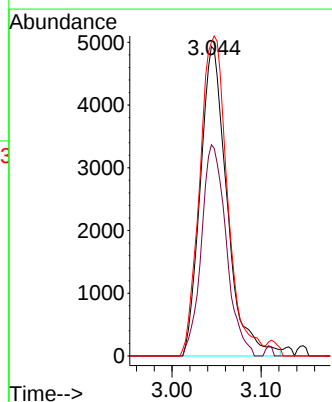
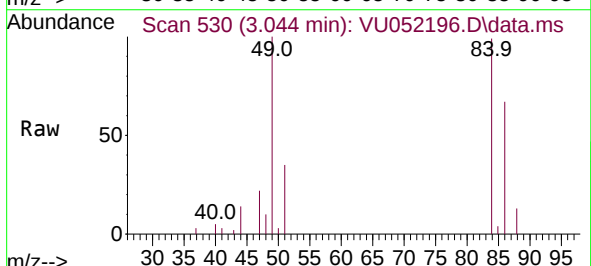
Instrument :
MSVOA_U
ClientSampleId :
MDL05

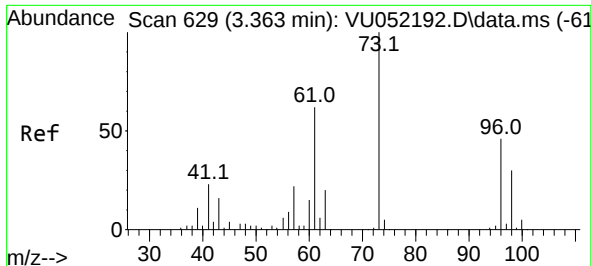
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
74 9.8 21.3 31.9#



#16
Methylene chloride
Concen: 0.469 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 84 Resp: 10288
Ion Ratio Lower Upper
84 100
86 68.2 43.8 81.4
49 101.3 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 0.180 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

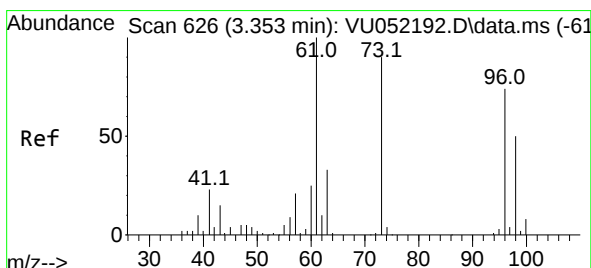
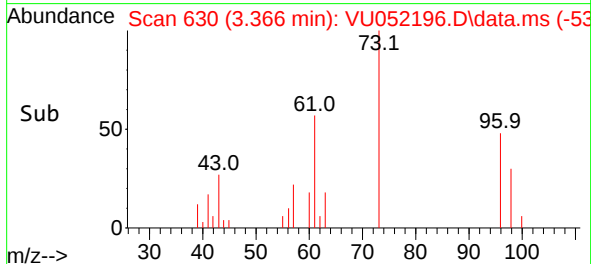
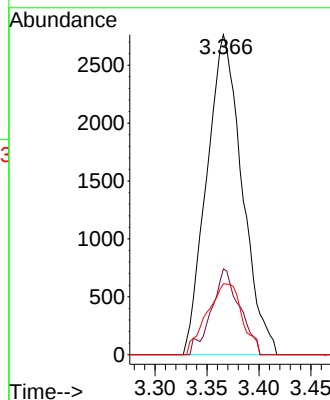
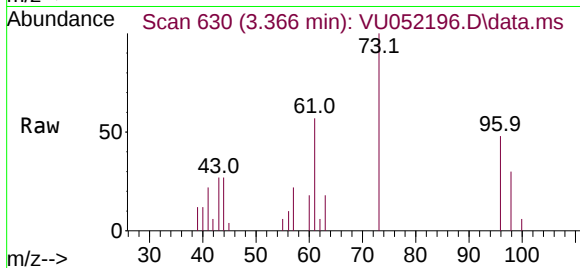
Tgt Ion: 73 Resp: 6533

Ion Ratio Lower Upper

73 100

43 21.6 13.2 19.8#

57 22.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

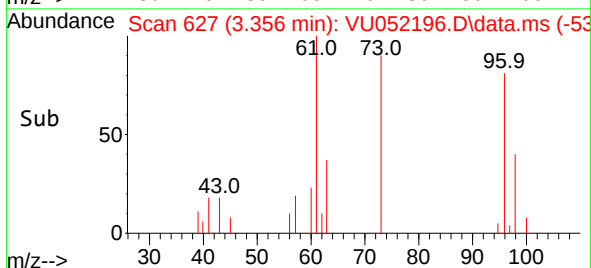
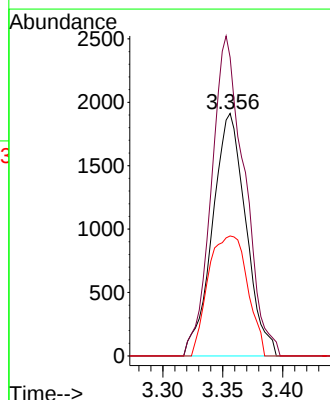
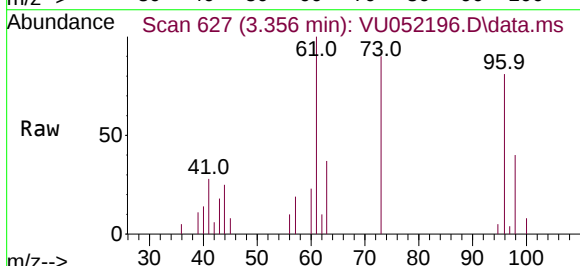
Tgt Ion: 96 Resp: 3699

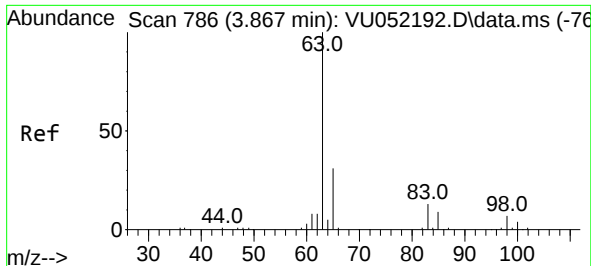
Ion Ratio Lower Upper

96 100

61 123.1 97.9 181.7

98 49.5 43.8 81.3

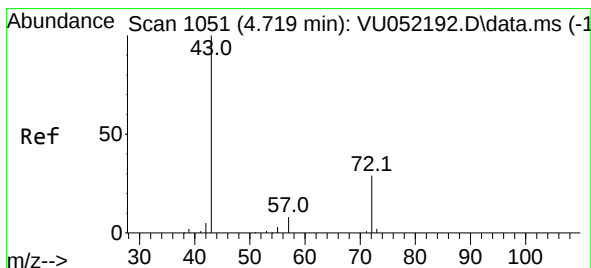
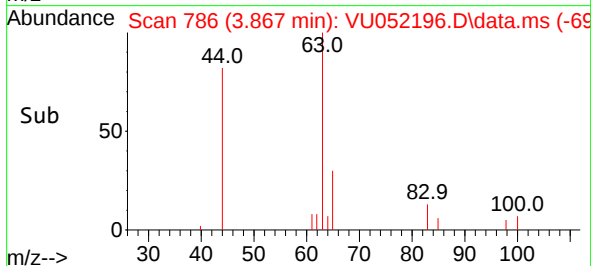
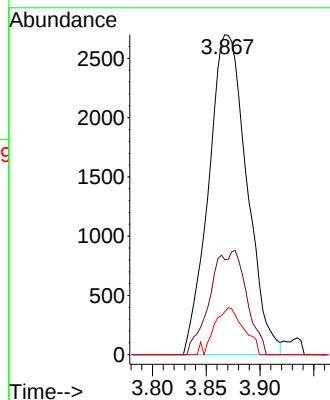
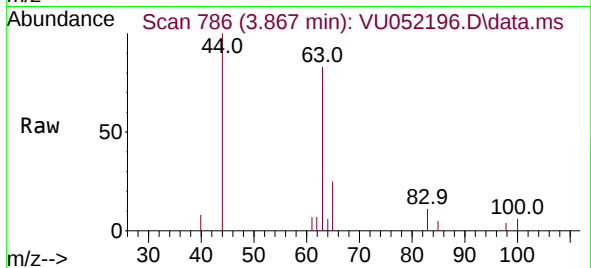




#19
1,1-Dichloroethane
Concen: 0.213 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

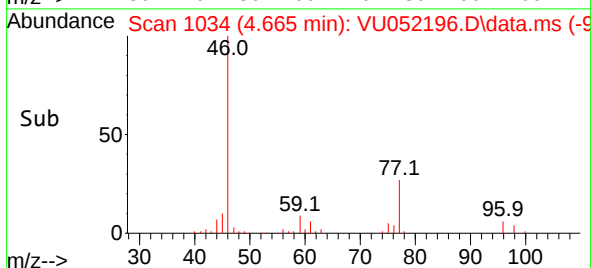
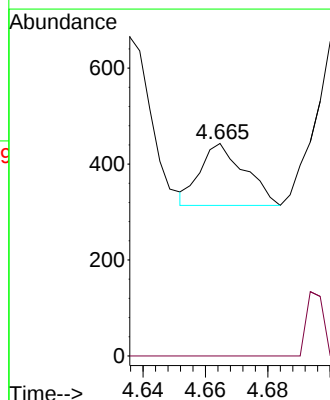
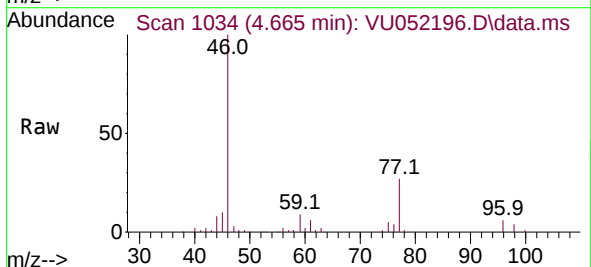
Instrument :
MSVOA_U
ClientSampleId :
MDL05

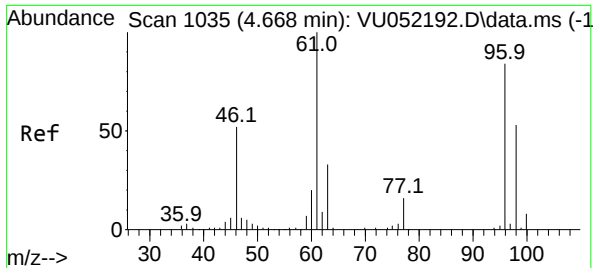
Tgt Ion:	63	Resp:	6673
Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.2	41.2
83	13.4	9.2	17.0



#21
2-Butanone
Concen: 0.030 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.055 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion:	43	Resp:	128
Ion	Ratio	Lower	Upper
43	100		
72	39.1	15.6	46.8

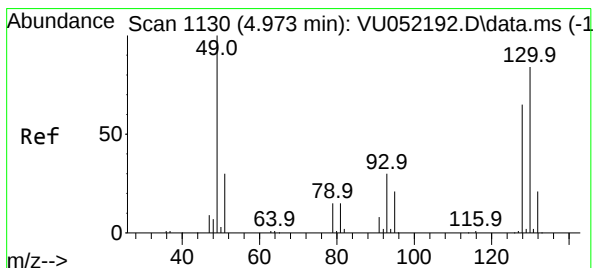
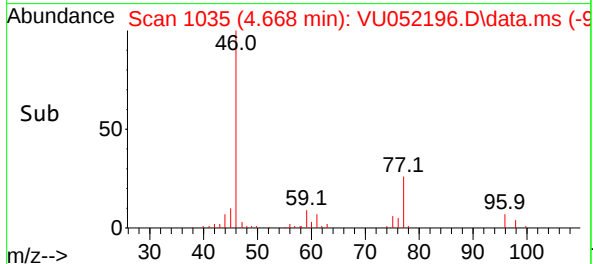
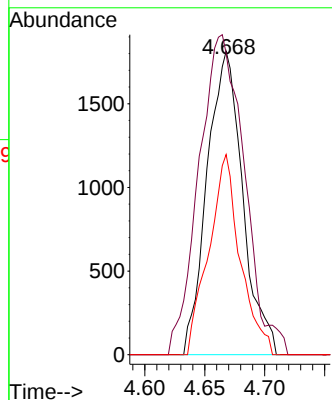
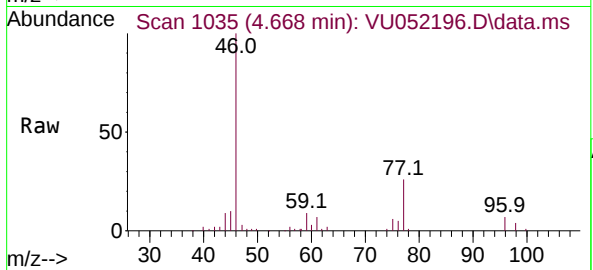




#22
 cis-1,2-Dichloroethene
 Concen: 0.205 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

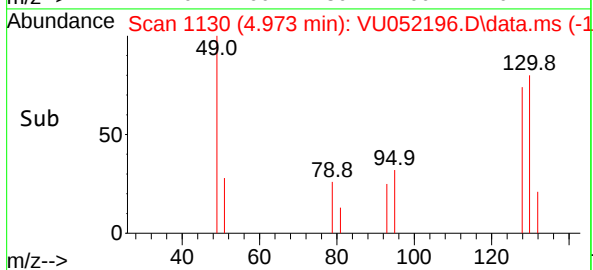
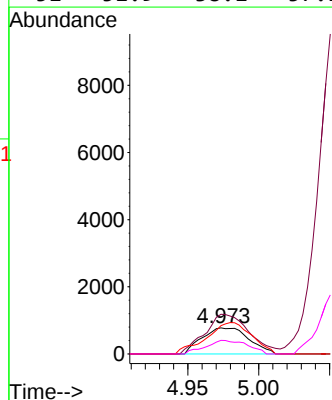
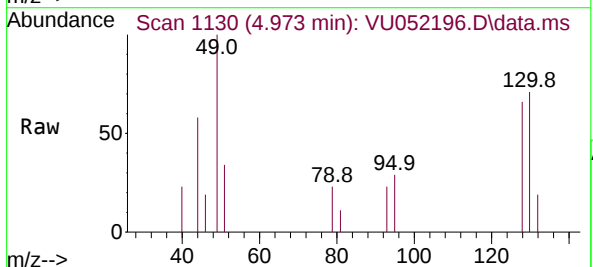
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

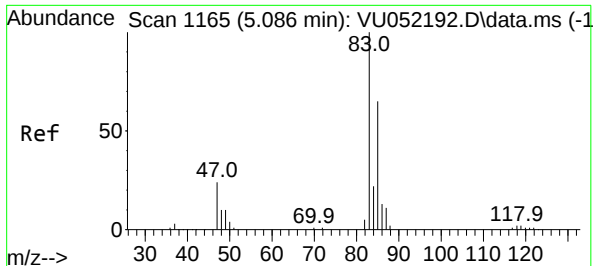
Tgt Ion:	96	Resp:	3735
Ion	Ratio	Lower	Upper
96	100		
61	99.4	85.1	158.1
98	66.0	42.8	79.6



#23
 Bromochloromethane
 Concen: 0.204 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

Tgt Ion:	128	Resp:	1782
Ion	Ratio	Lower	Upper
128	100		
49	152.3	104.0	193.2
130	108.5	84.6	157.2
51	51.9	38.1	57.1





#25

Chloroform

Concen: 0.249 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

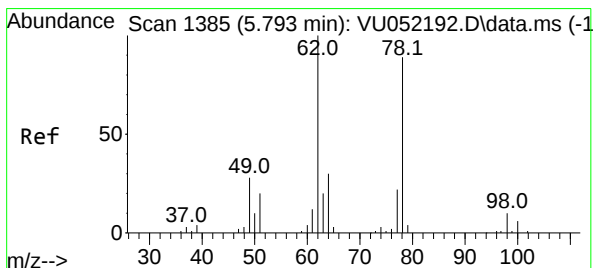
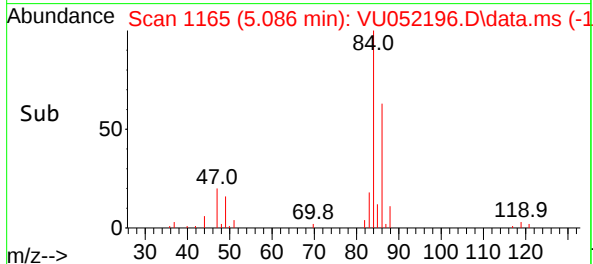
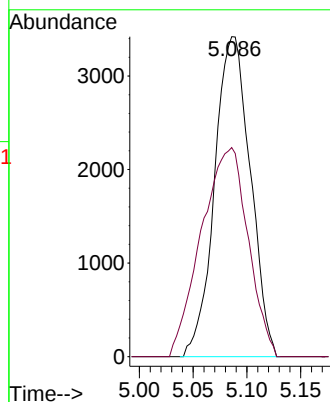
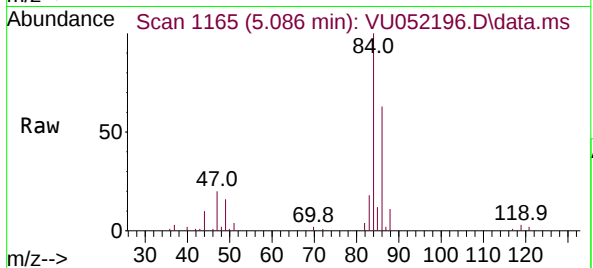
MDL05

Tgt Ion: 83 Resp: 7898

Ion Ratio Lower Upper

83 100

85 65.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.200 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU052196.D

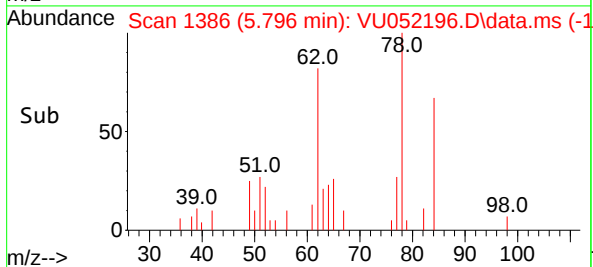
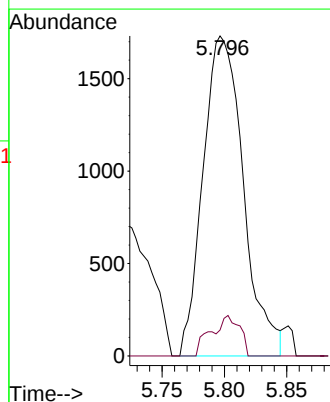
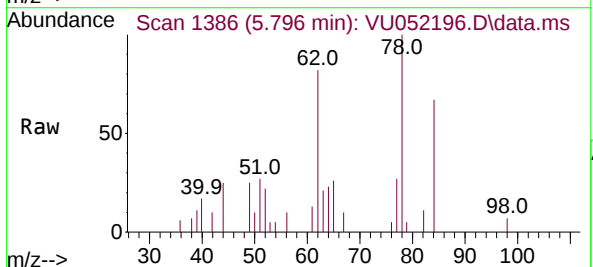
Acq: 07 Dec 2022 12:55

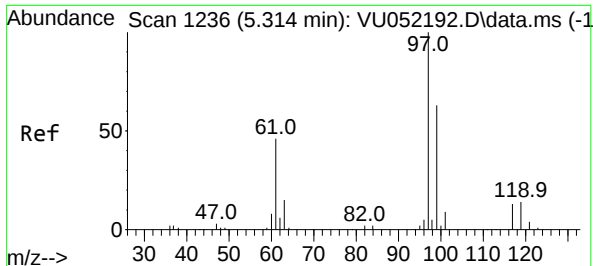
Tgt Ion: 62 Resp: 3895

Ion Ratio Lower Upper

62 100

98 8.1 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.203 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

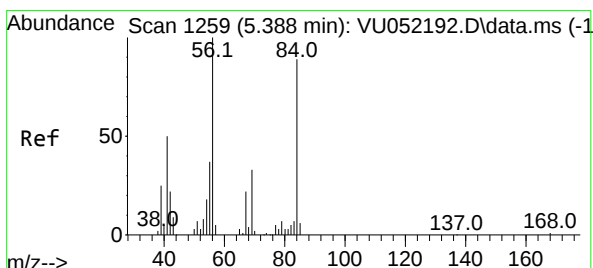
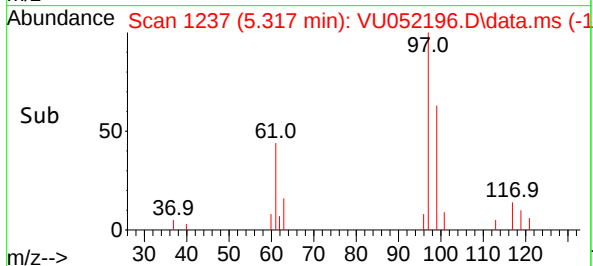
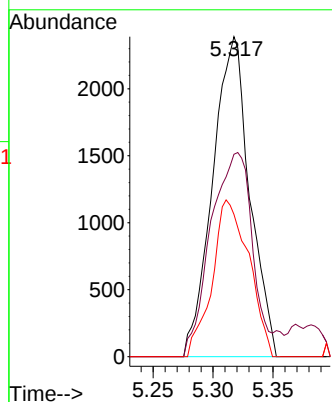
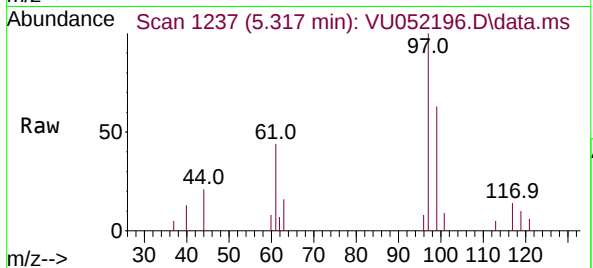
Tgt Ion: 97 Resp: 5128

Ion Ratio Lower Upper

97 100

99 71.6 51.0 76.6

61 48.5 36.9 55.3



#30

Cyclohexane

Concen: 0.175 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

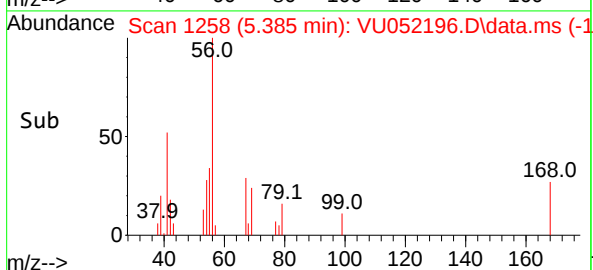
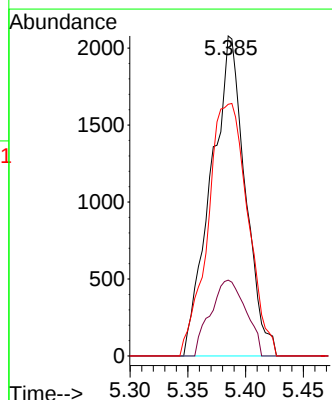
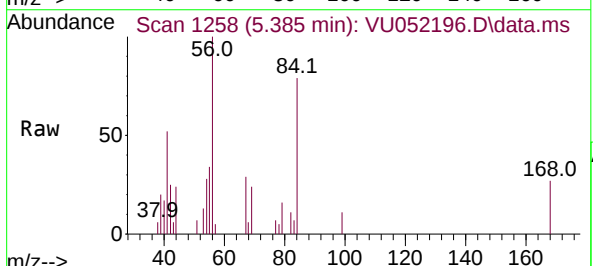
Tgt Ion: 56 Resp: 4293

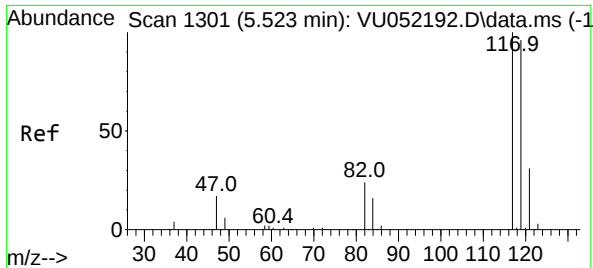
Ion Ratio Lower Upper

56 100

69 24.4 25.6 38.4#

84 92.1 72.0 108.0

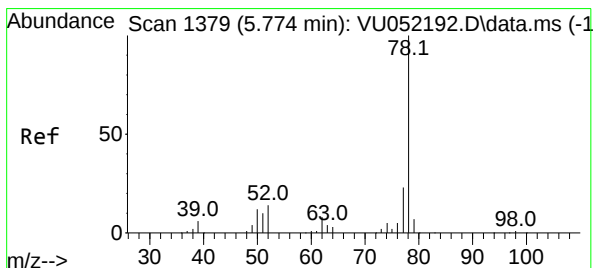
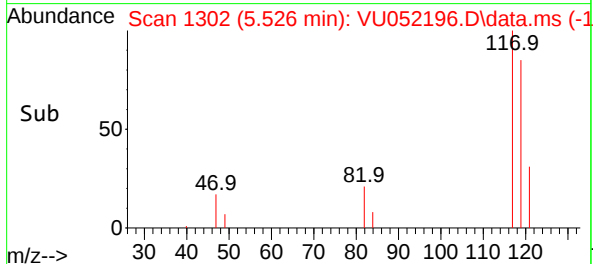
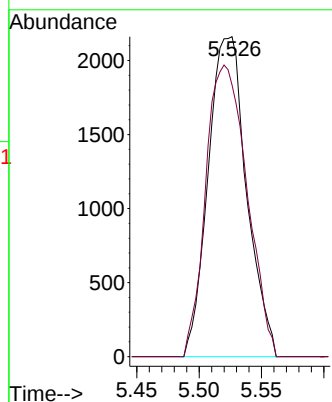
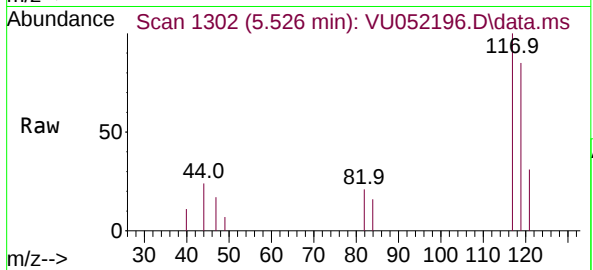




#31
Carbon tetrachloride
Concen: 0.215 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

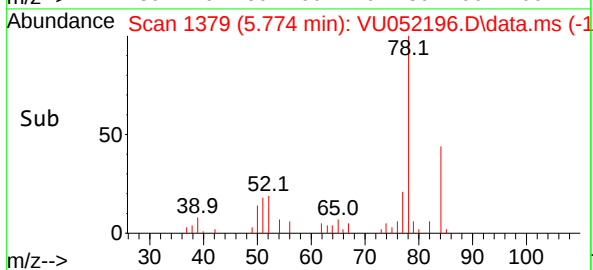
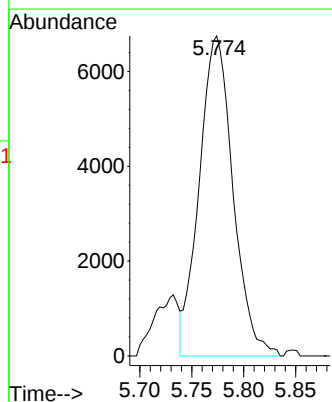
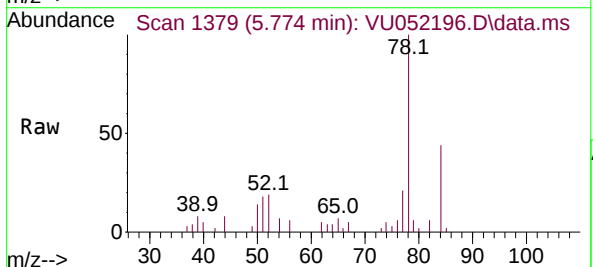
Instrument :
MSVOA_U
ClientSampleId :
MDL05

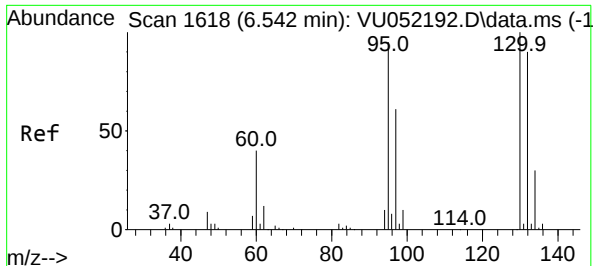
Tgt Ion:117 Resp: 4631
Ion Ratio Lower Upper
117 100
119 97.9 77.2 115.8



#33
Benzene
Concen: 0.205 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 78 Resp: 15236





#34

Trichloroethene

Concen: 0.196 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 3627

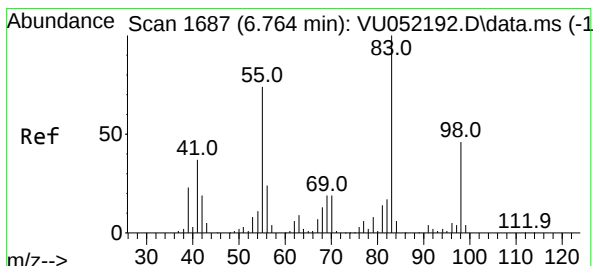
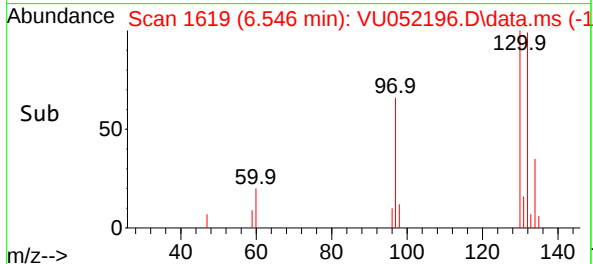
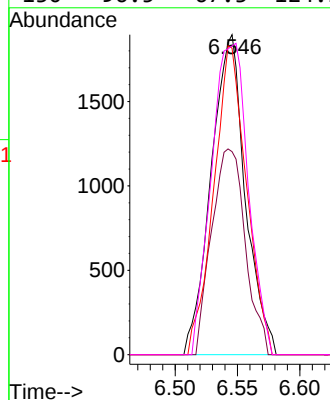
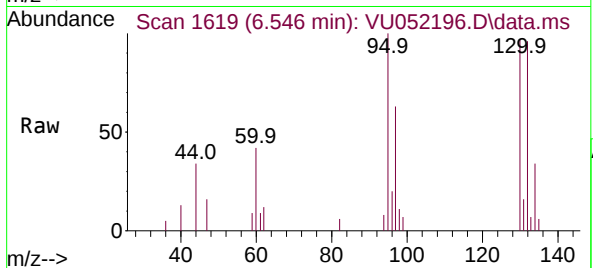
Ion Ratio Lower Upper

95 100

97 63.4 43.7 81.1

132 95.8 64.3 119.3

130 96.5 67.3 124.9



#35

Methylcyclohexane

Concen: 0.180 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

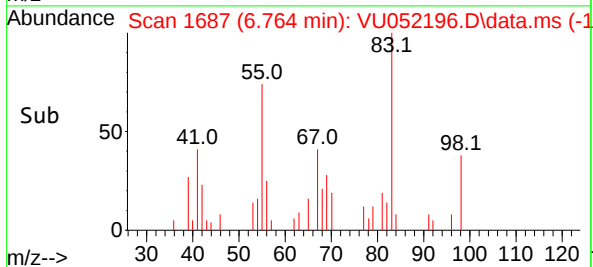
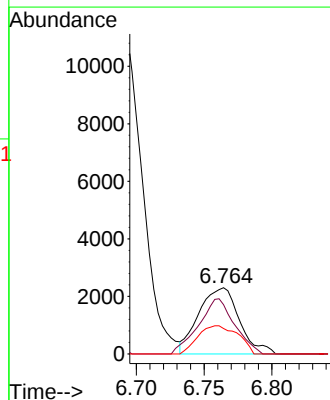
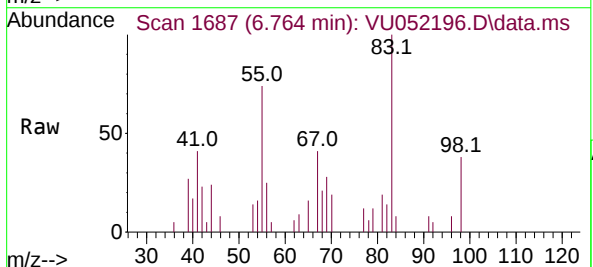
Tgt Ion: 83 Resp: 4786

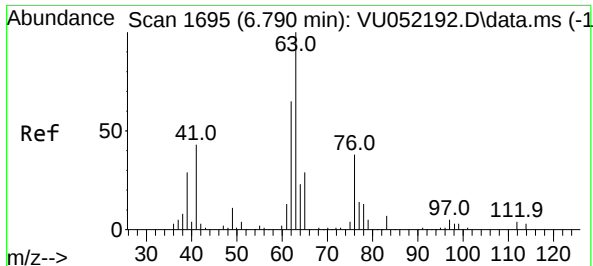
Ion Ratio Lower Upper

83 100

55 74.0 60.8 91.2

98 42.1 35.1 52.7

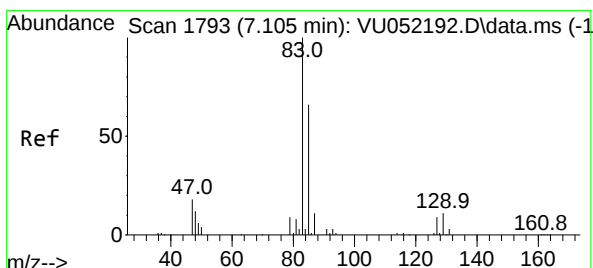
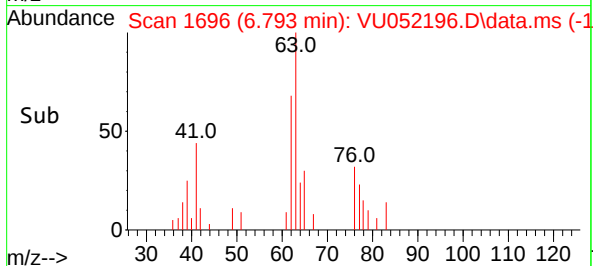
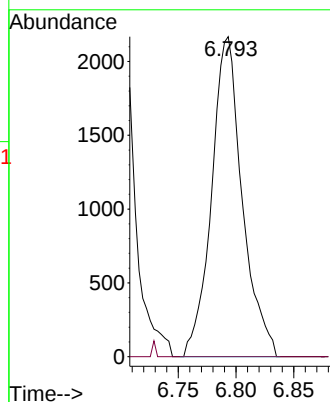
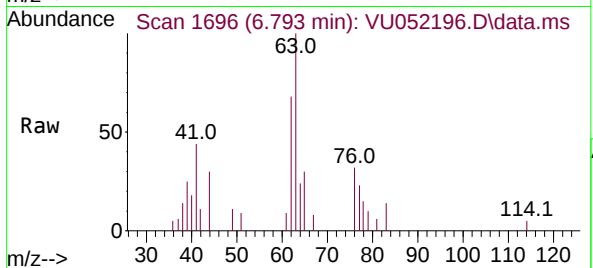




#37
1,2-Dichloropropane
Concen: 0.209 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

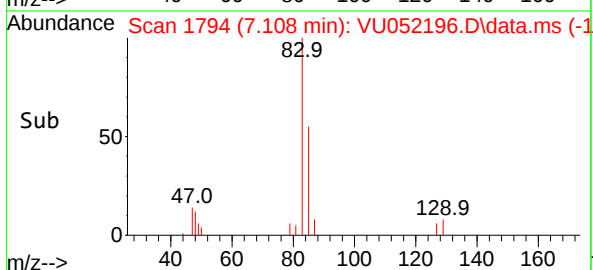
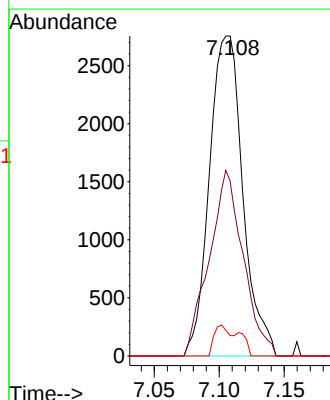
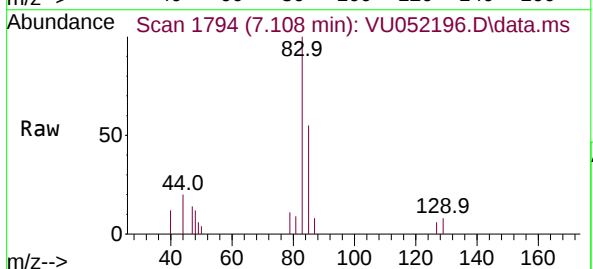
Instrument :
MSVOA_U
ClientSampleId :
MDL05

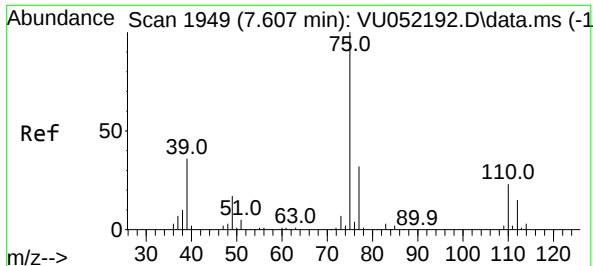
Tgt Ion: 63 Resp: 4011
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#38
Bromodichloromethane
Concen: 0.211 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 83 Resp: 4936
Ion Ratio Lower Upper
83 100
85 54.7 43.5 80.9
127 6.3 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.176 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

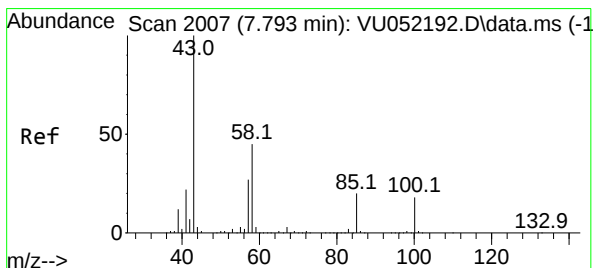
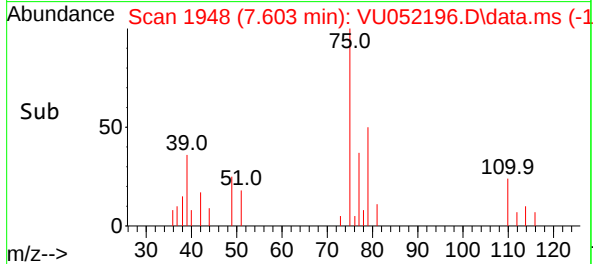
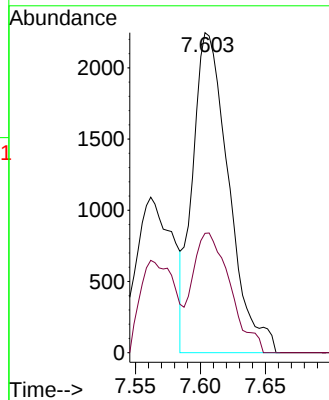
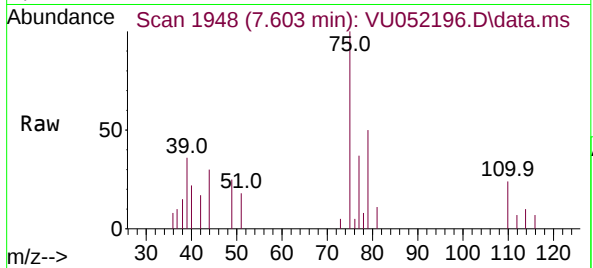
MDL05

Tgt Ion: 75 Resp: 4339

Ion Ratio Lower Upper

75 100

77 37.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 1.485 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

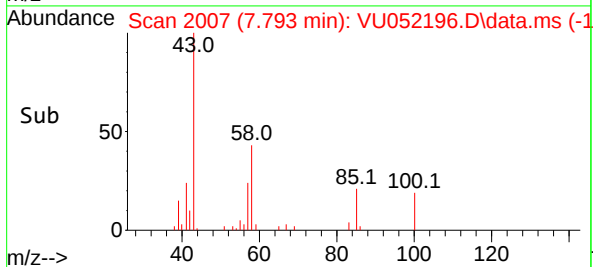
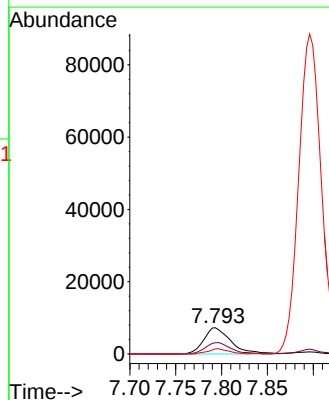
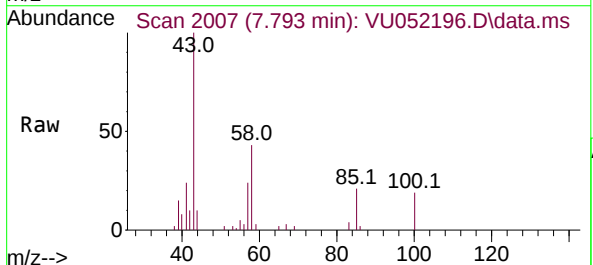
Tgt Ion: 43 Resp: 14901

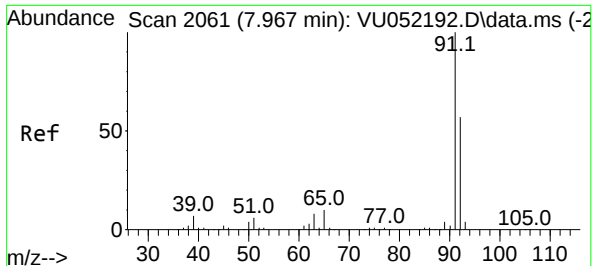
Ion Ratio Lower Upper

43 100

58 40.8 35.3 52.9

100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.183 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

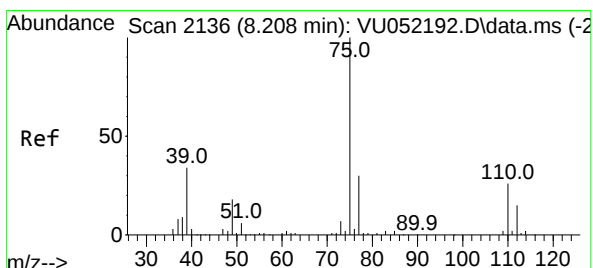
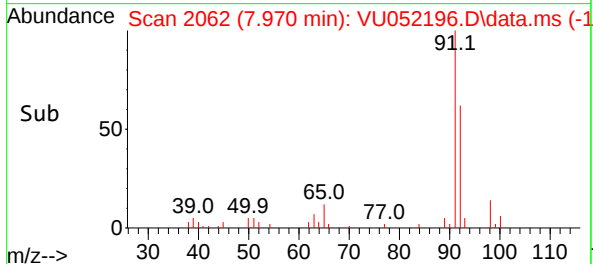
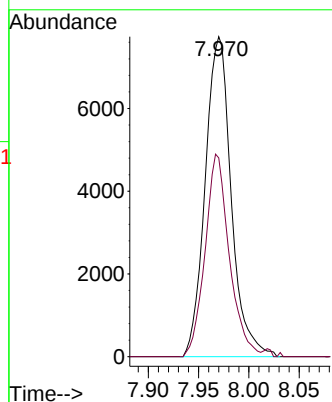
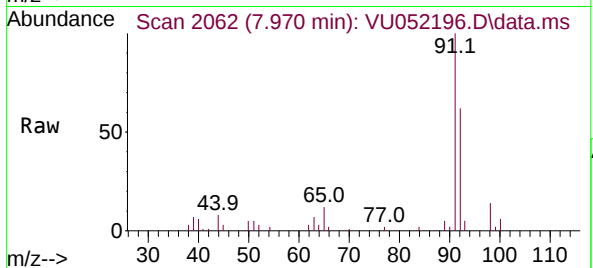
MDL05

Tgt Ion: 91 Resp: 13932

Ion Ratio Lower Upper

91 100

92 62.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 0.197 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052196.D

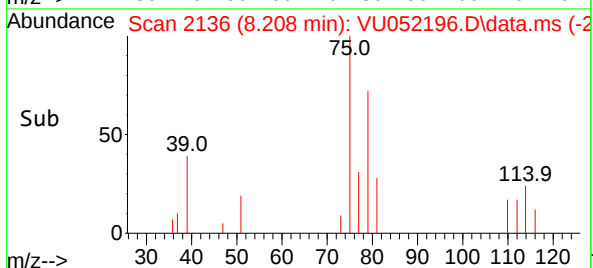
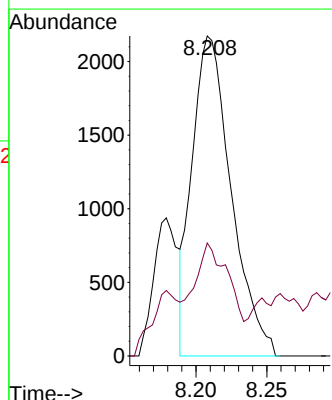
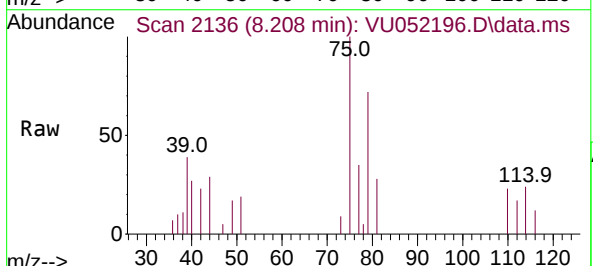
Acq: 07 Dec 2022 12:55

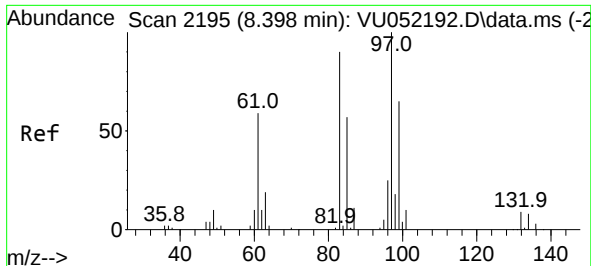
Tgt Ion: 75 Resp: 4168

Ion Ratio Lower Upper

75 100

77 35.3 22.6 42.0

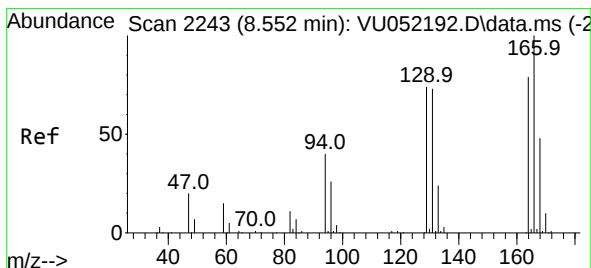
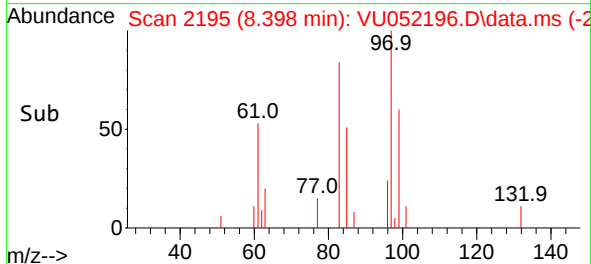
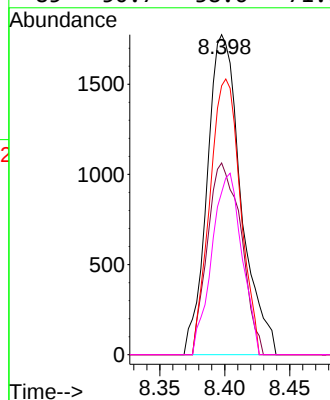
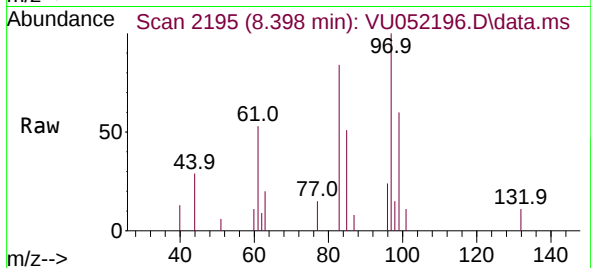




#45
1,1,2-Trichloroethane
Concen: 0.223 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

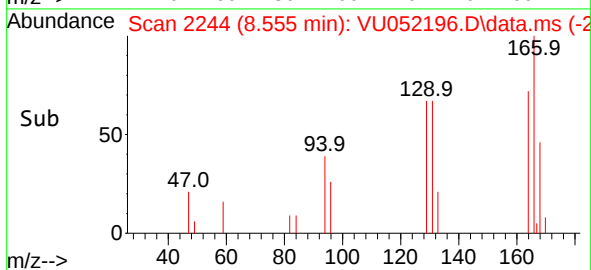
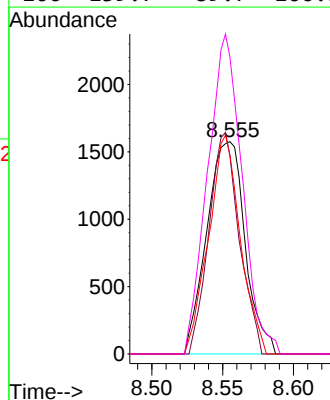
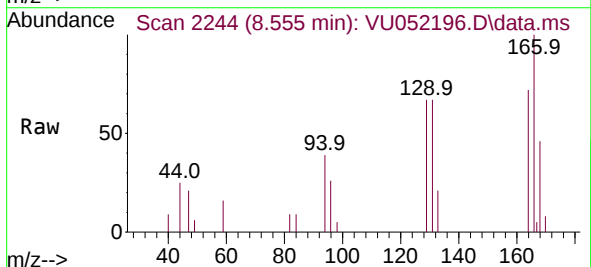
Instrument :
MSVOA_U
ClientSampleId :
MDL05

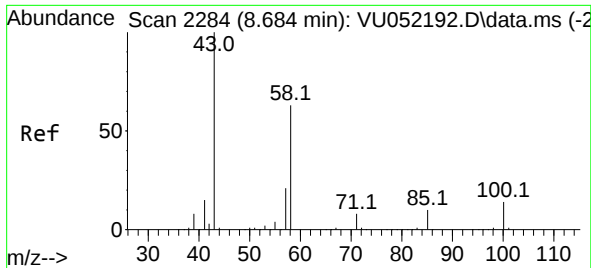
Tgt Ion: 97	Resp: 3218
Ion Ratio	Lower Upper
97 100	
99 59.9	42.6 79.2
83 84.1	60.7 112.7
85 50.7	38.6 71.6



#47
Tetrachloroethene
Concen: 0.209 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt	Ion:164	Resp:	2965
Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.4	125.2
131	93.6	67.1	124.7
166	139.7	89.7	166.5

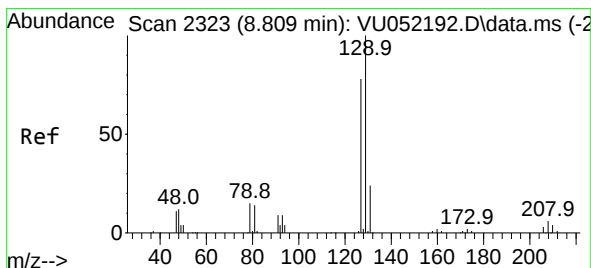
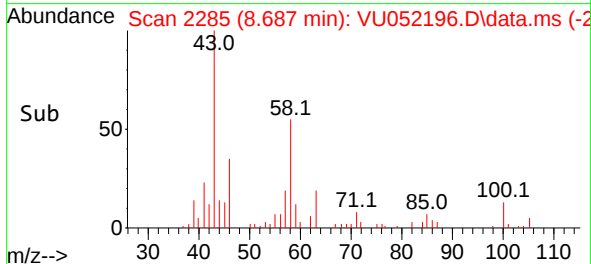
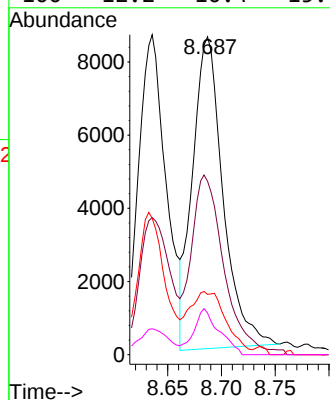
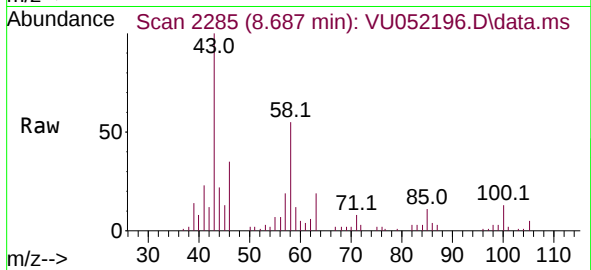




#48
2-Hexanone
Concen: 2.289 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

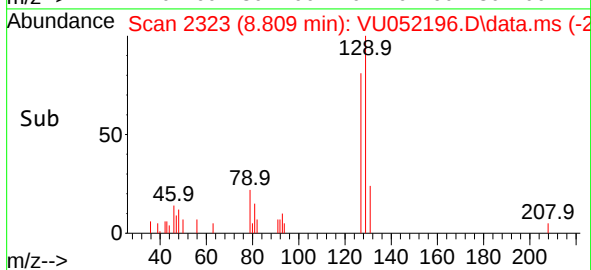
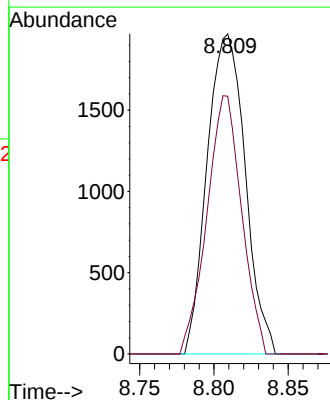
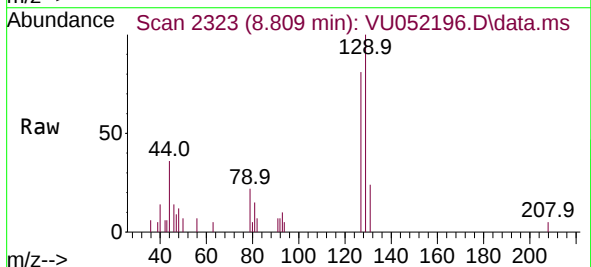
Instrument :
MSVOA_U
ClientSampleId :
MDL05

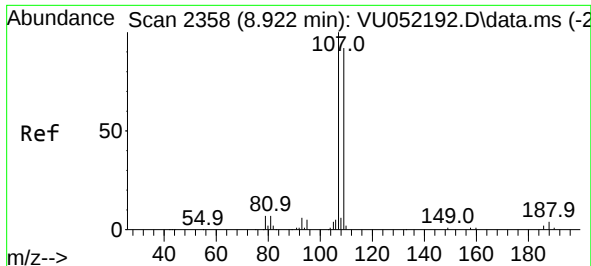
Tgt Ion: 43	Resp: 16839
Ion Ratio	Lower Upper
43 100	
58 62.1	49.4 74.0
57 24.9	16.3 24.5#
100 12.2	10.4 15.6



#49
Dibromochloromethane
Concen: 0.217 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion:129	Resp:	3512	
Ion	Ratio	Lower	Upper
129	100		
127	80.5	52.8	98.2





#50

1,2-Dibromoethane

Concen: 0.190 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

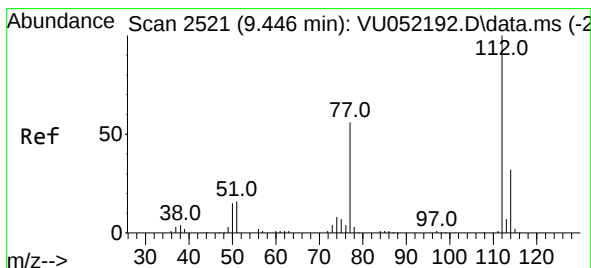
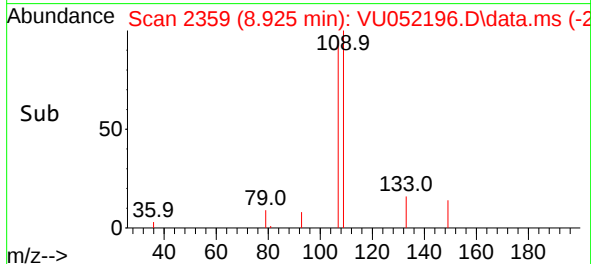
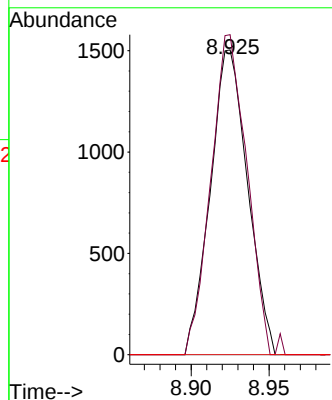
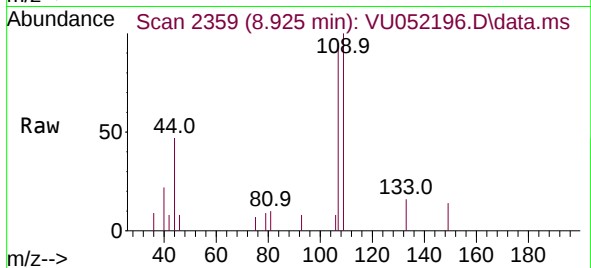
Tgt Ion:107 Resp: 2501

Ion Ratio Lower Upper

107 100

109 105.0 64.9 120.5

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.214 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

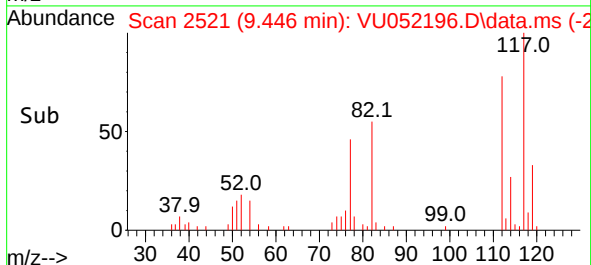
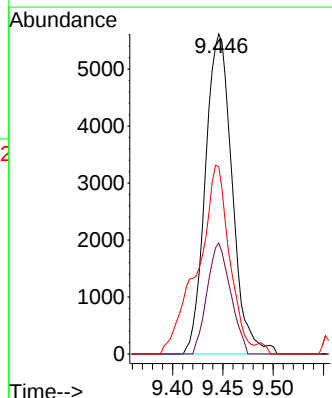
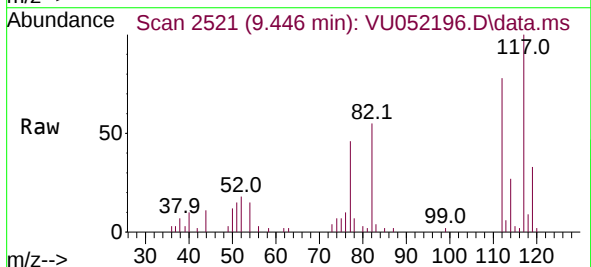
Tgt Ion:112 Resp: 10397

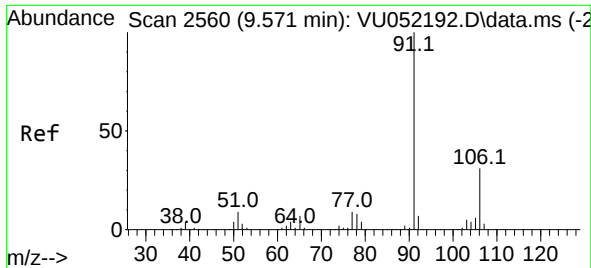
Ion Ratio Lower Upper

112 100

114 34.6 22.2 41.2

77 58.5 46.6 70.0

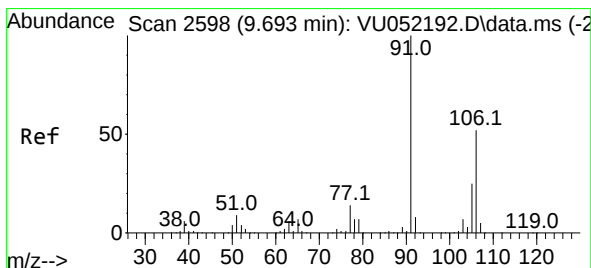
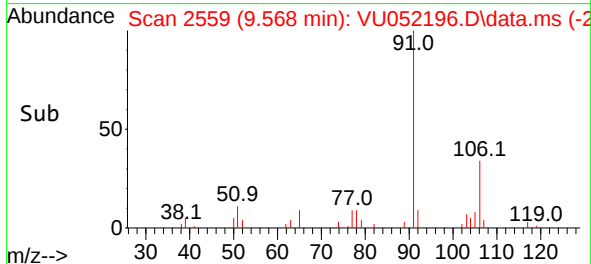
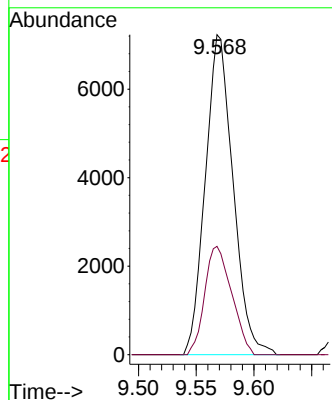
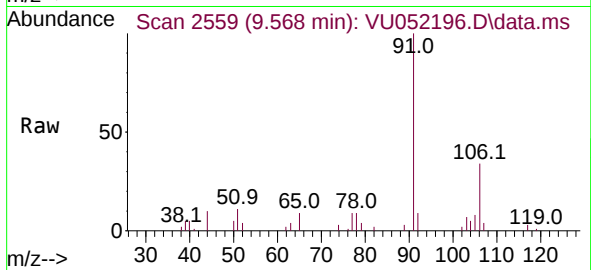




#52
Ethylbenzene
Concen: 0.162 ug/L
RT: 9.568 min Scan# 21054
Delta R.T. -0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

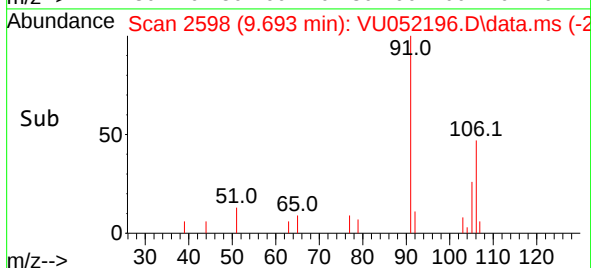
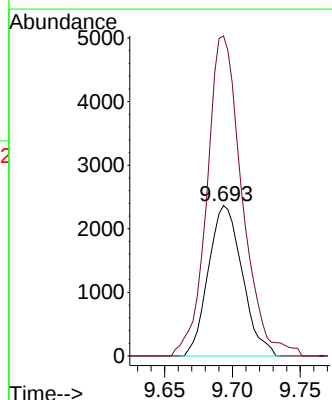
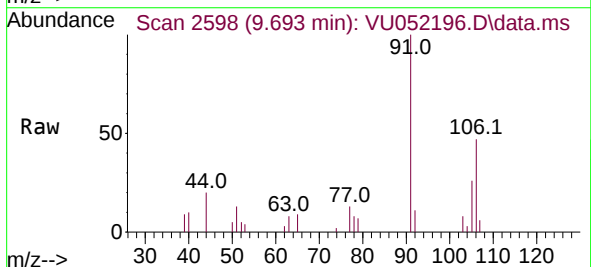
Instrument :
MSVOA_U
ClientSampleId :
MDL05

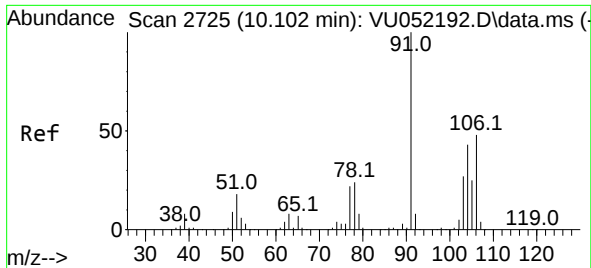
Tgt Ion: 91 Resp: 12054
Ion Ratio Lower Upper
91 100
106 33.9 22.3 41.3



#53
m,p-Xylene
Concen: 0.143 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion: 106 Resp: 4112
Ion Ratio Lower Upper
106 100
91 212.7 137.7 255.7

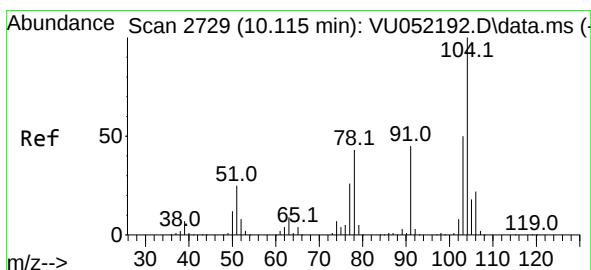
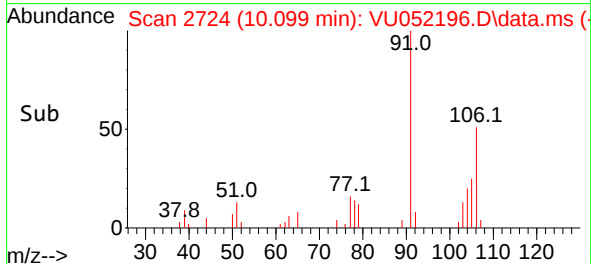
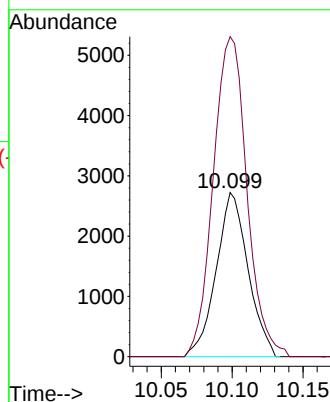
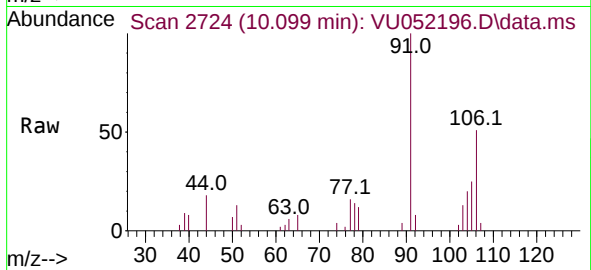




#54
o-Xylene
Concen: 0.155 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

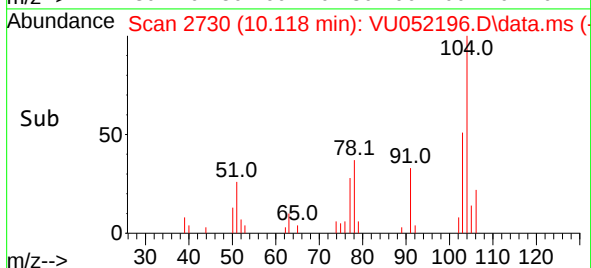
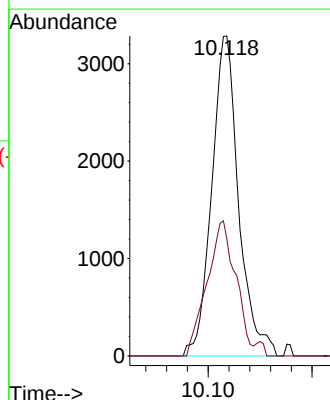
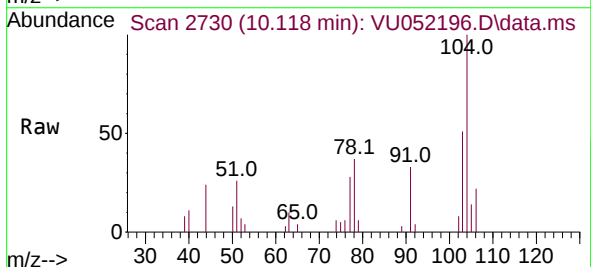
Instrument :
MSVOA_U
ClientSampleId :
MDL05

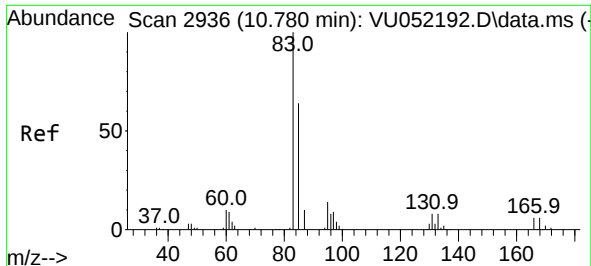
Tgt Ion:106 Resp: 4264
Ion Ratio Lower Upper
106 100
91 194.8 151.5 281.5



#55
Styrene
Concen: 0.127 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion:104 Resp: 5908
Ion Ratio Lower Upper
104 100
78 36.8 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 0.215 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

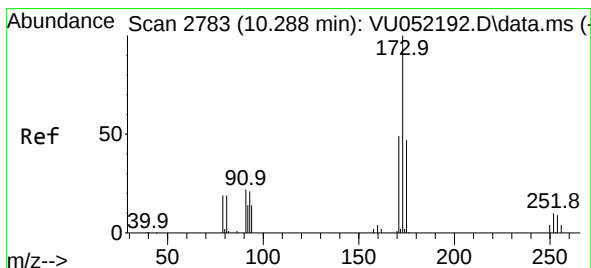
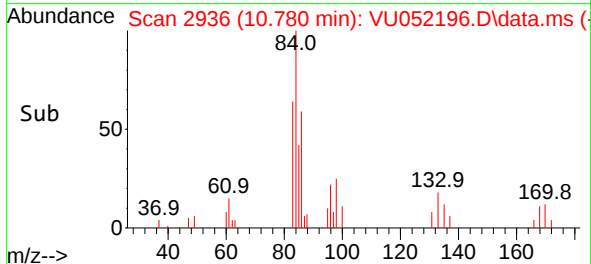
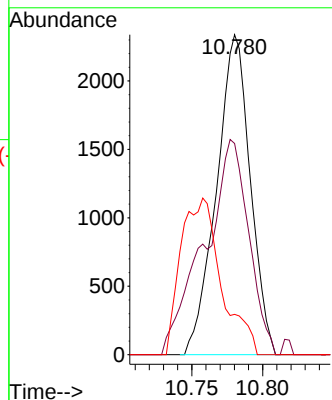
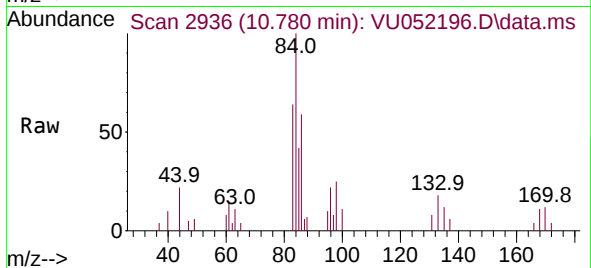
Tgt Ion: 83 Resp: 3879

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9

131 12.6 7.6 11.4#



#59

Bromoform

Concen: 0.256 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

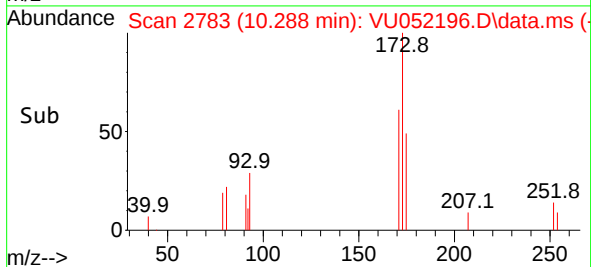
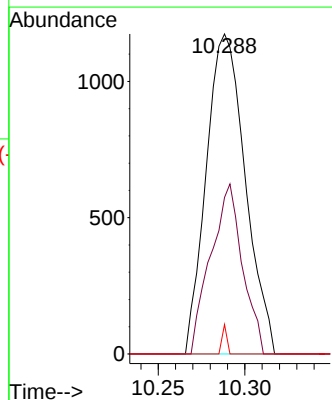
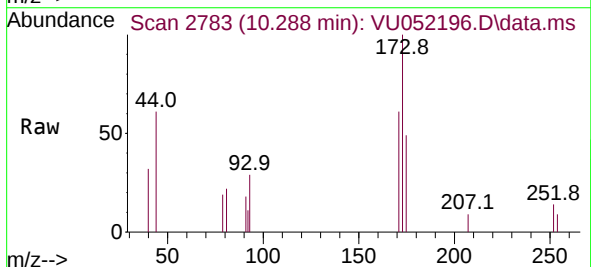
Tgt Ion:173 Resp: 1840

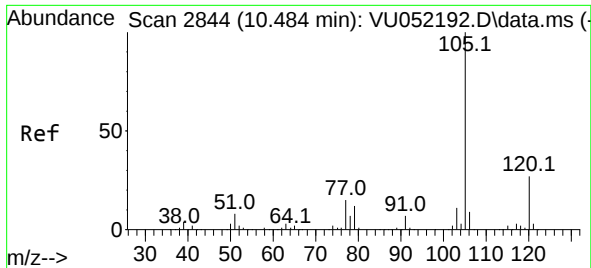
Ion Ratio Lower Upper

173 100

175 43.3 37.2 55.8

254 1.1 7.0 10.6#

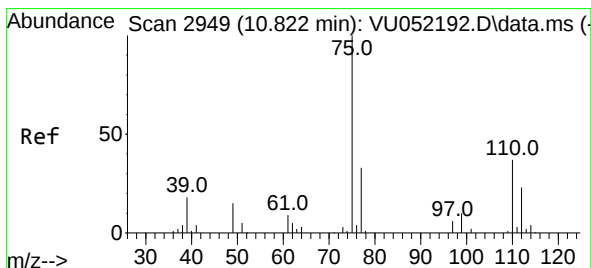
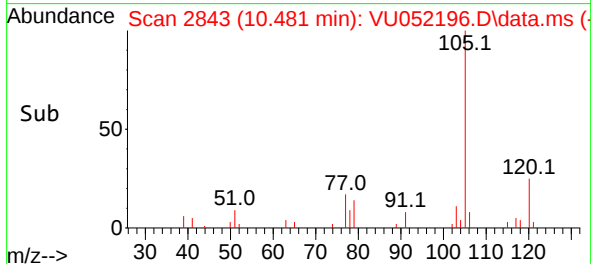
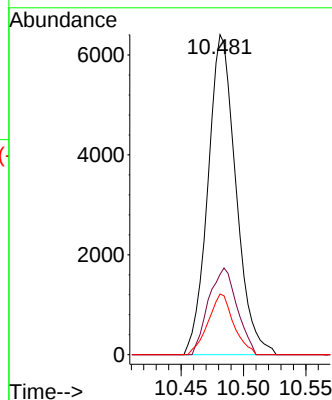
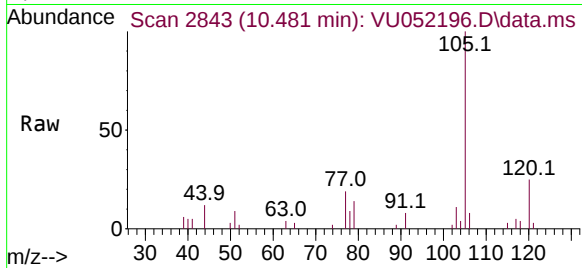




#60
Isopropylbenzene
Concen: 0.183 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

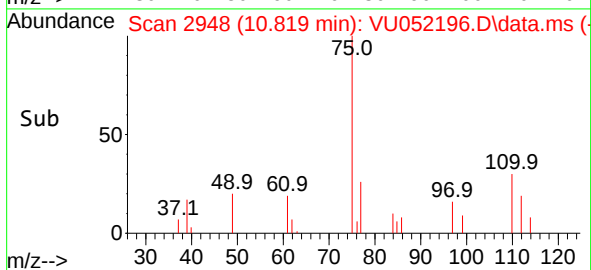
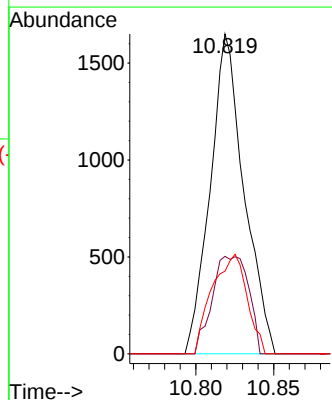
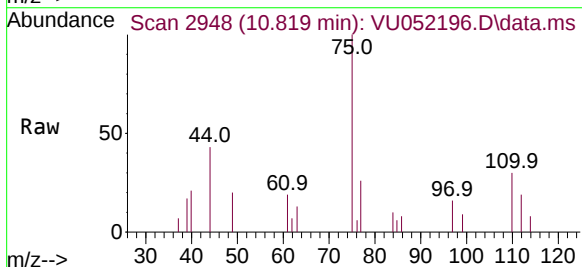
Instrument :
MSVOA_U
ClientSampleId :
MDL05

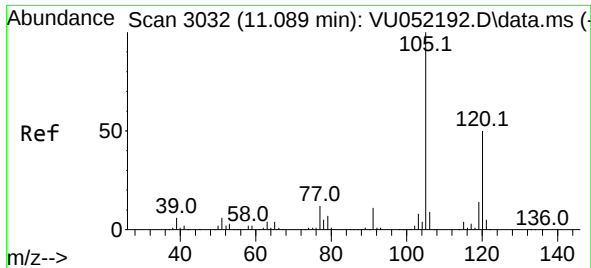
Tgt Ion:	105	Resp:	10021
Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.0	31.6
77	17.3	12.5	18.7



#61
1,2,3-Trichloropropane
Concen: 0.249 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion:	75	Resp:	2483
Ion	Ratio	Lower	Upper
75	100		
110	32.9	28.3	42.5
77	32.2	26.2	39.2





#62

1,3,5-Trimethylbenzene

Concen: 0.158 ug/L

RT: 11.082 min Scan# 3032

Delta R.T. -0.007 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

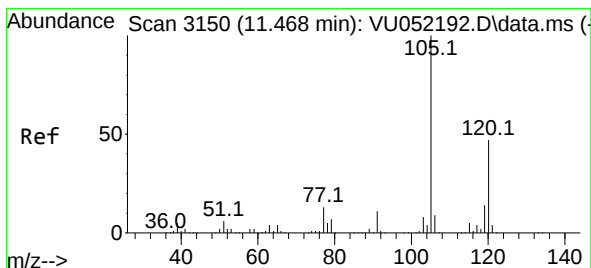
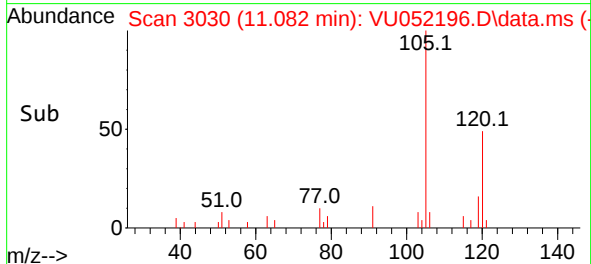
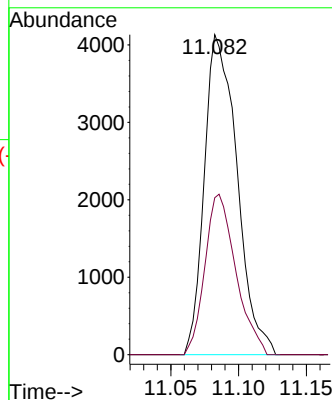
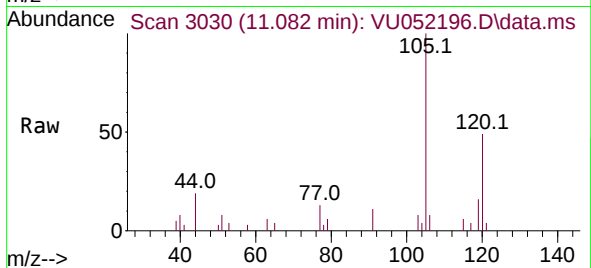
MDL05

Tgt Ion:105 Resp: 6917

Ion Ratio Lower Upper

105 100

120 47.5 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.155 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU052196.D

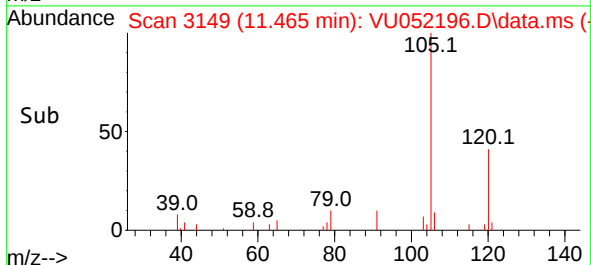
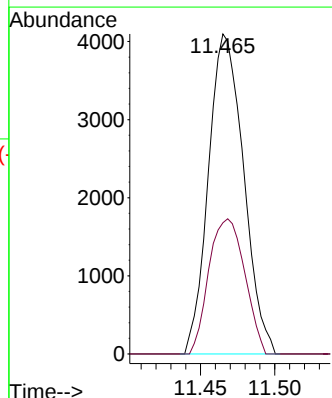
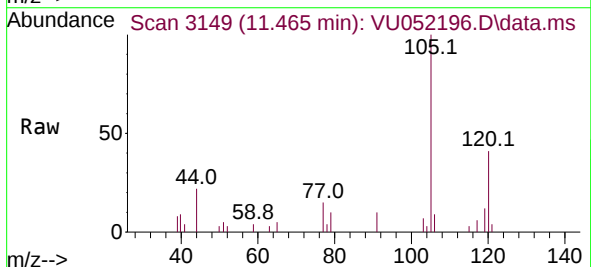
Acq: 07 Dec 2022 12:55

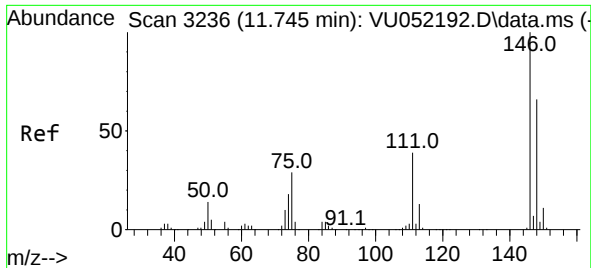
Tgt Ion:105 Resp: 6734

Ion Ratio Lower Upper

105 100

120 43.1 36.6 55.0

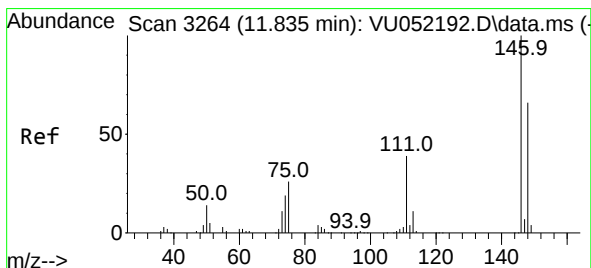
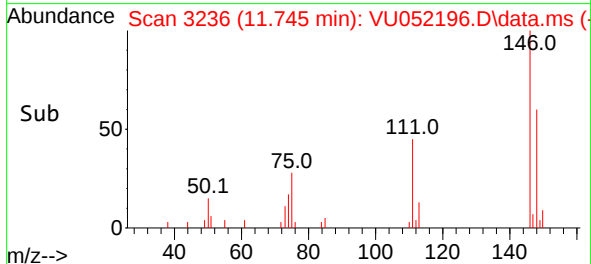
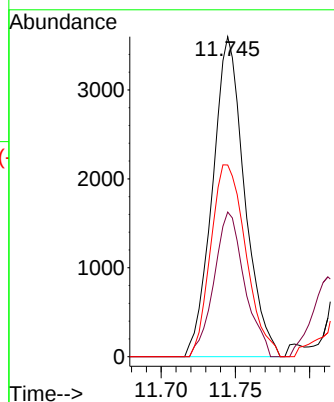
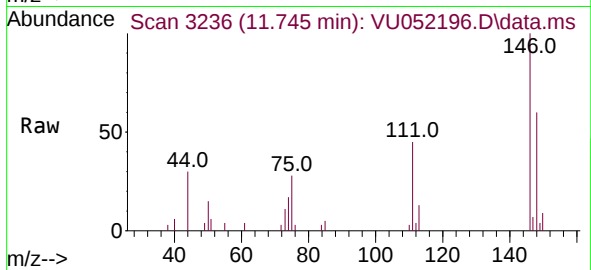




#64
1,3-Dichlorobenzene
Concen: 0.193 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

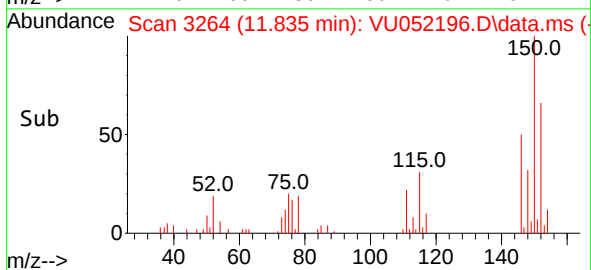
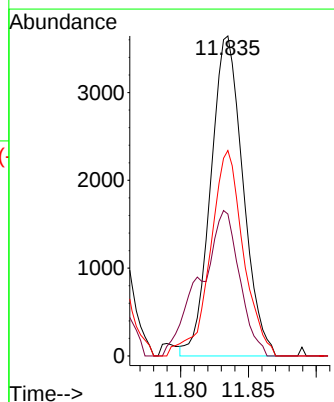
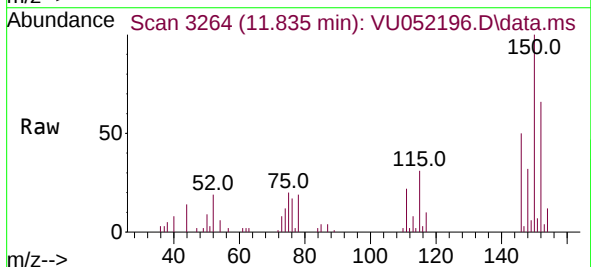
Instrument :
MSVOA_U
ClientSampleId :
MDL05

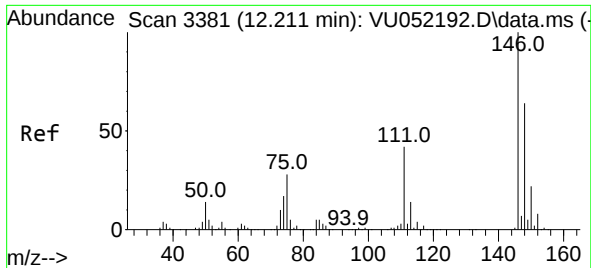
Tgt Ion:146 Resp: 5404
Ion Ratio Lower Upper
146 100
111 45.2 28.6 53.2
148 59.9 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 0.216 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU052196.D
Acq: 07 Dec 2022 12:55

Tgt Ion:146 Resp: 6025
Ion Ratio Lower Upper
146 100
111 44.4 26.9 50.1
148 64.2 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 0.227 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

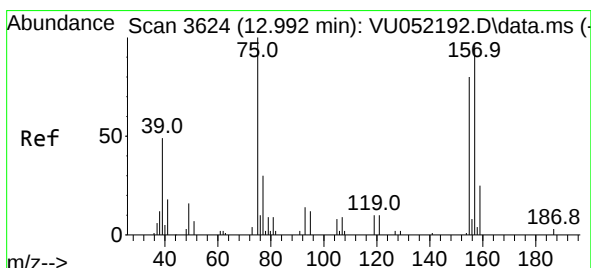
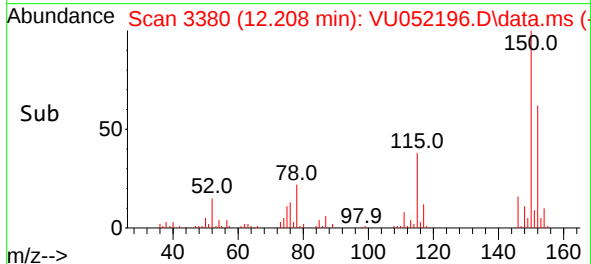
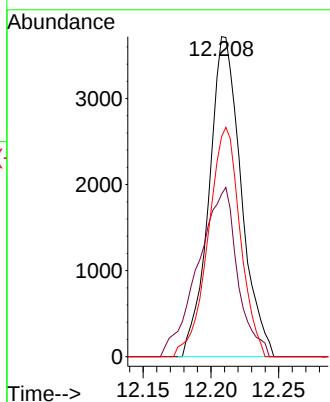
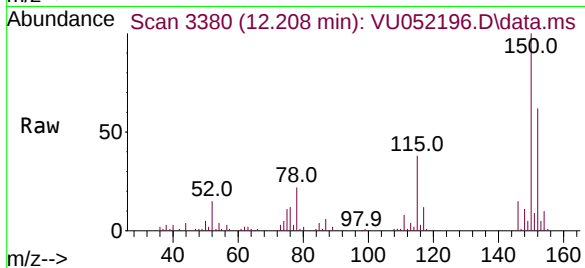
Tgt Ion:146 Resp: 6127

Ion Ratio Lower Upper

146 100

111 50.8 32.7 49.1#

148 68.8 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.191 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.006 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

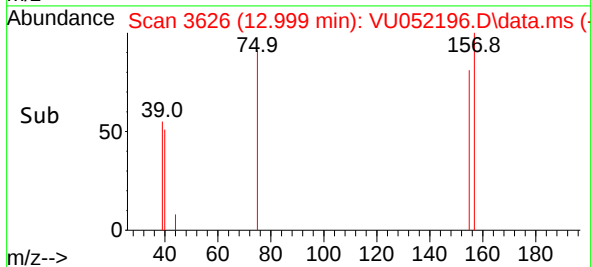
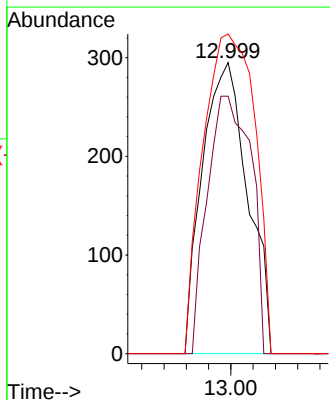
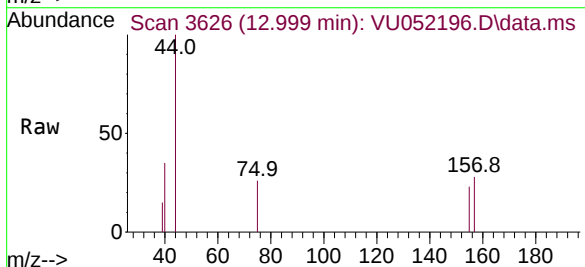
Tgt Ion: 75 Resp: 418

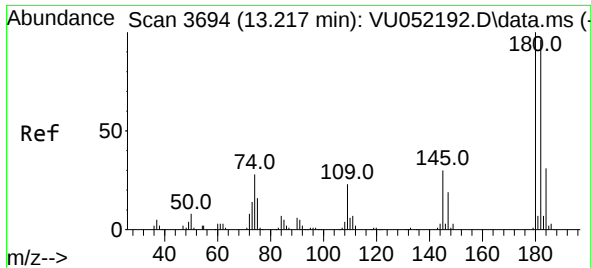
Ion Ratio Lower Upper

75 100

155 88.5 65.4 98.2

157 109.8 80.5 120.7

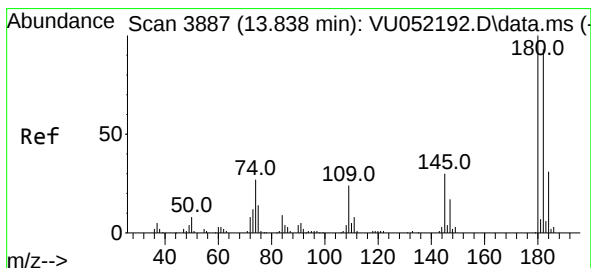
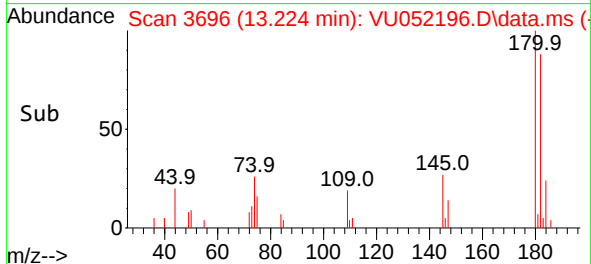
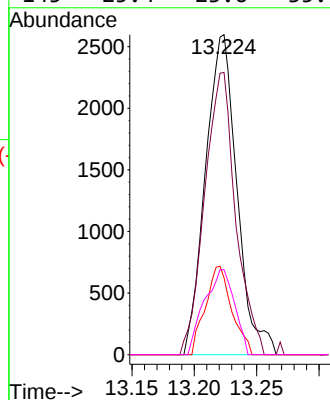
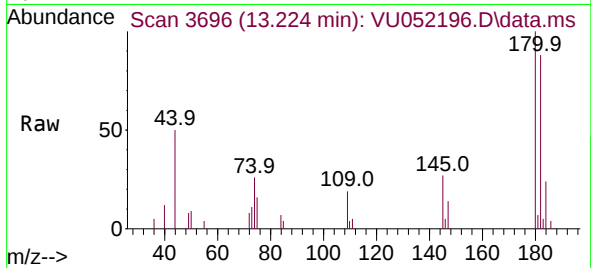




#69
 1,3,5-Trichlorobenzene
 Concen: 0.230 ug/L
 RT: 13.224 min Scan# 3696
 Delta R.T. 0.006 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

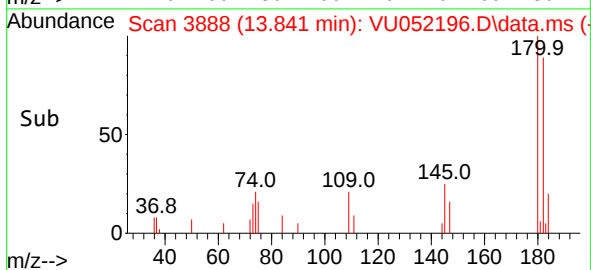
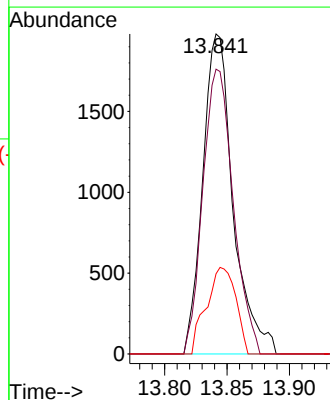
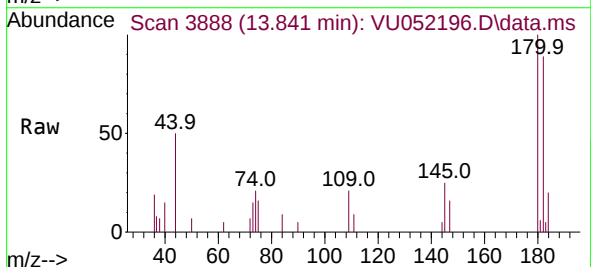
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

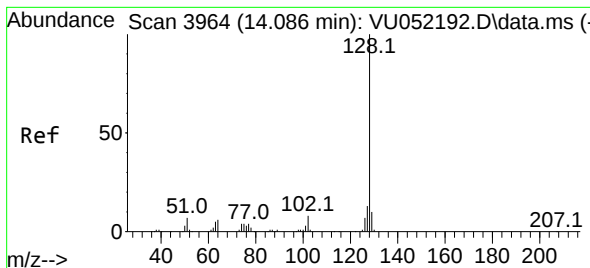
Tgt Ion:180	Resp:	4561
Ion	Ratio	Lower Upper
180	100	
182	86.8	75.7 113.5
184	23.1	24.3 36.5#
145	25.4	23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.222 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU052196.D
 Acq: 07 Dec 2022 12:55

Tgt Ion:180	Resp:	3349
Ion	Ratio	Lower Upper
180	100	
182	89.0	76.3 114.5
145	26.2	24.6 36.8





#71

Naphthalene

Concen: 0.169 ug/L

RT: 14.095 min Scan# 3967

Delta R.T. 0.010 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Instrument :

MSVOA_U

ClientSampleId :

MDL05

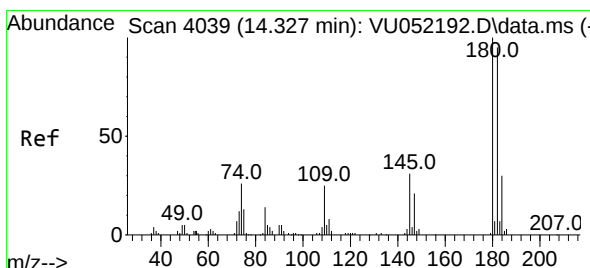
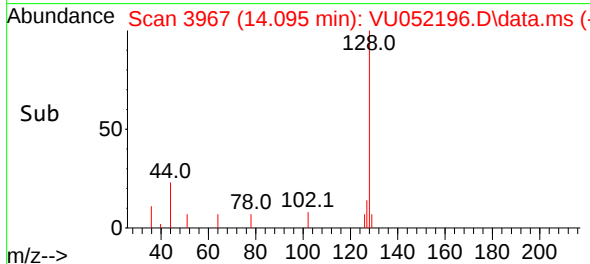
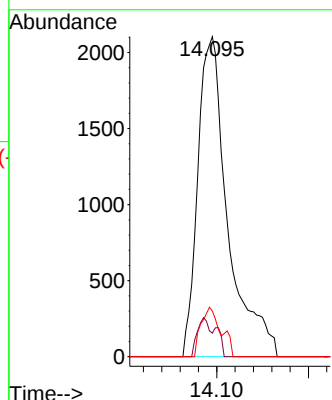
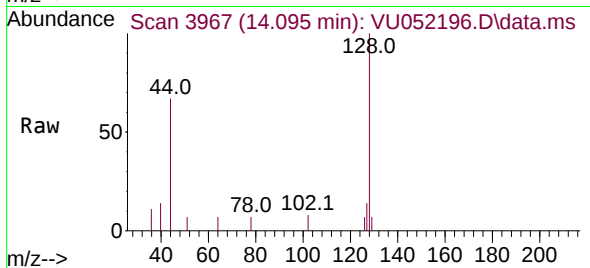
Tgt Ion:128 Resp: 4784

Ion Ratio Lower Upper

128 100

129 2.1 8.3 12.5#

127 10.3 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 0.185 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU052196.D

Acq: 07 Dec 2022 12:55

Tgt Ion:180 Resp: 2753

Ion Ratio Lower Upper

180 100

182 98.5 75.7 113.5

145 30.2 24.5 36.7

