

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122122\
 Data File : VU052480.D
 Acq On : 21 Dec 2022 16:34
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005112

Quant Time: Dec 22 00:31:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	170403	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	166748	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	88365	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84138	4.874	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.916	69	73291	4.923	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.568	65	35027	4.715	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.632	46	260824	48.720	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.440%
24) Chloroform-d	5.060	84	145854	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.700	65	83228	4.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.726	84	290901	5.088	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
36) 1,2-Dichloropropane-d6	6.687	67	98744	5.018	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.896	98	261663	5.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.000%
43) trans-1,3-Dichloroprop...	8.176	79	35921	5.331	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.600%
46) 2-Hexanone-d5	8.632	63	189699	51.453	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.900%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	82630	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	87110	4.842	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	79148	5.220	ug/L	99
3) Chloromethane	1.520	50	109180	4.989	ug/L	99
5) Vinyl chloride	1.604	62	103513	5.218	ug/L	98
6) Bromomethane	1.858	94	55376	4.896	ug/L	97
8) Chloroethane	1.935	64	64354	4.736	ug/L	97
9) Trichlorofluoromethane	2.141	101	119581	5.331	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	69212	5.191	ug/L	100
12) 1,1-Dichloroethene	2.581	96	65495	5.132	ug/L	96
13) Acetone	2.649	43	188768	47.831	ug/L	98
14) Carbon disulfide	2.793	76	214747	5.222	ug/L	99
15) Methyl Acetate	2.957	43	40206	4.624	ug/L	95
16) Methylene chloride	3.044	84	180668	10.022	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	167386	4.913	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	68562	5.213	ug/L	96
19) 1,1-Dichloroethane	3.867	63	149666	5.232	ug/L	98
21) 2-Butanone	4.713	43	289275	49.769	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	75976	5.264	ug/L	99
23) Bromochloromethane	4.973	128	34999	5.232	ug/L	96
25) Chloroform	5.086	83	141116	5.092	ug/L	100

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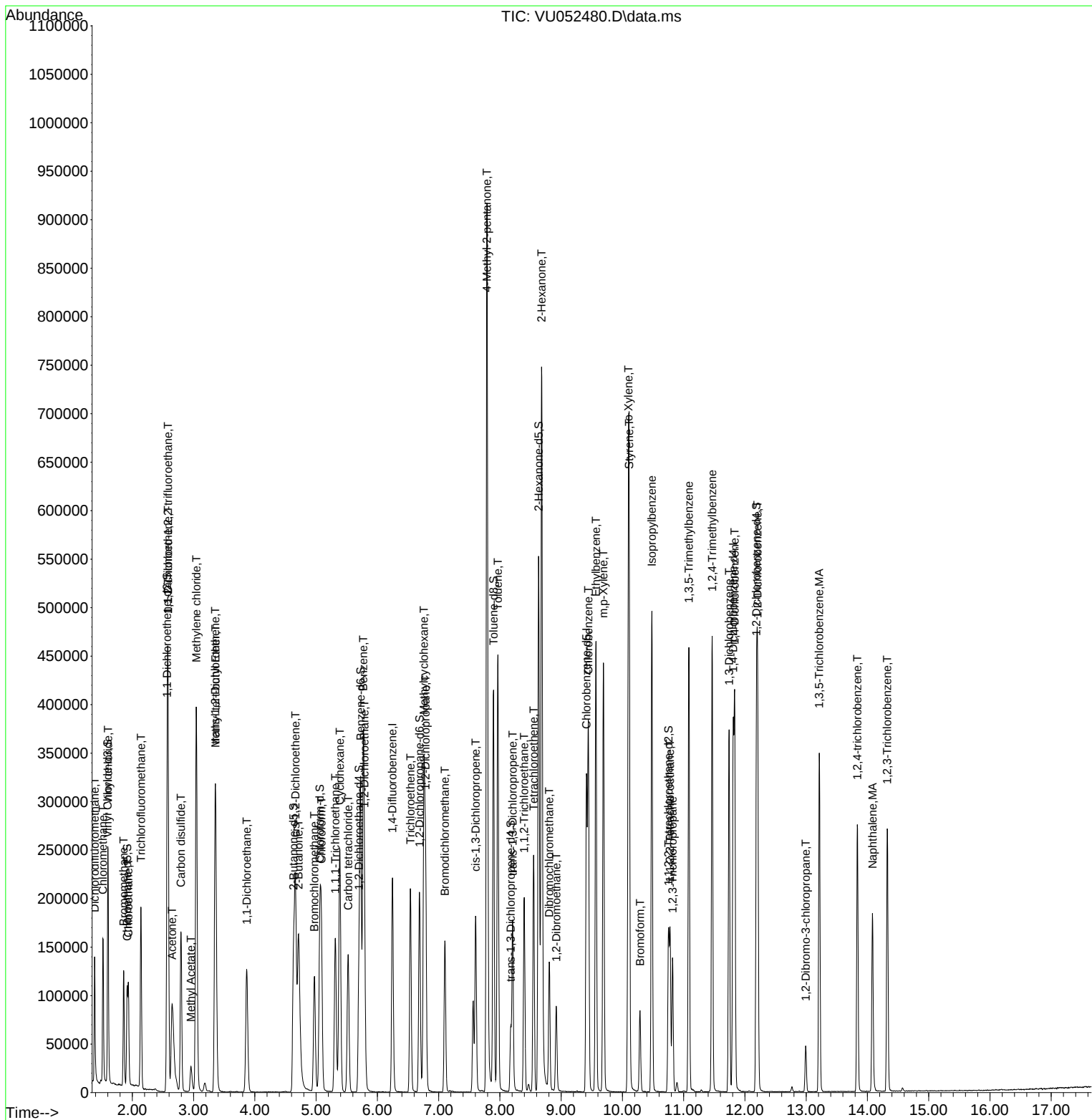
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005112

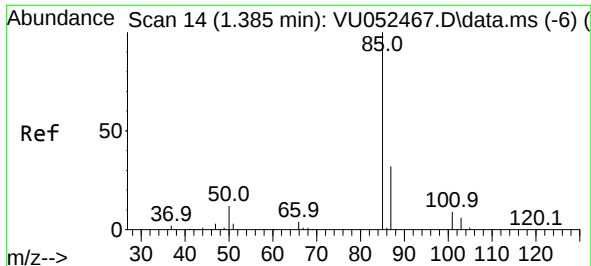
Quant Time: Dec 22 00:31:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 22 00:28:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	97501	5.092	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	111392	5.308	ug/L	99
30) Cyclohexane	5.388	56	119540	5.271	ug/L	98
31) Carbon tetrachloride	5.523	117	95982	5.205	ug/L	100
33) Benzene	5.771	78	317938	5.293	ug/L	100
34) Trichloroethene	6.539	95	71823	5.115	ug/L	99
35) Methylcyclohexane	6.761	83	112886	5.332	ug/L	98
37) 1,2-Dichloropropane	6.787	63	88049	5.254	ug/L	100
38) Bromodichloromethane	7.102	83	103903	5.094	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	109880	5.176	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	629361	51.388	ug/L	99
42) Toluene	7.967	91	319126	5.542	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	98481	5.265	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	59540	5.016	ug/L	95
47) Tetrachloroethene	8.552	164	51662	5.271	ug/L	98
48) 2-Hexanone	8.681	43	491248	53.212	ug/L	99
49) Dibromochloromethane	8.806	129	64806	5.156	ug/L	98
50) 1,2-Dibromoethane	8.922	107	54536	5.054	ug/L	97
51) Chlorobenzene	9.443	112	187875	5.109	ug/L	98
52) Ethylbenzene	9.568	91	306716	5.147	ug/L	99
53) m,p-Xylene	9.690	106	120262	5.473	ug/L	98
54) o-Xylene	10.098	106	113979	5.411	ug/L	100
55) Styrene	10.111	104	204030	5.567	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	80291	4.893	ug/L	99
59) Bromoform	10.288	173	35671	4.595	ug/L	99
60) Isopropylbenzene	10.481	105	295555	5.160	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	57997	4.576	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	236289	5.002	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	243909	5.129	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	143420	5.047	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	142683	4.855	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	135455	4.824	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	13147	4.583	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	100461	4.801	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	83527	4.744	ug/L	96
71) Naphthalene	14.082	128	146677	4.117	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	82069	4.650	ug/L	98

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

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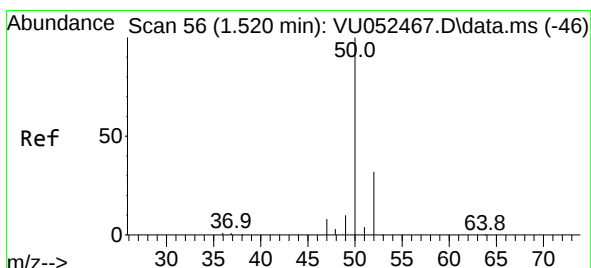
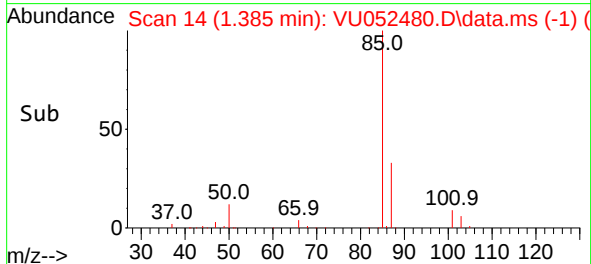
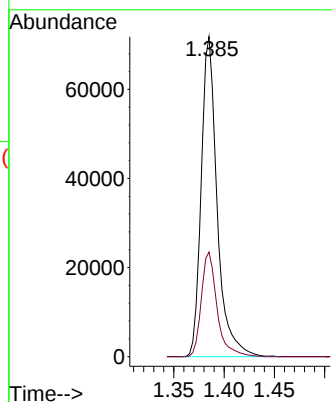
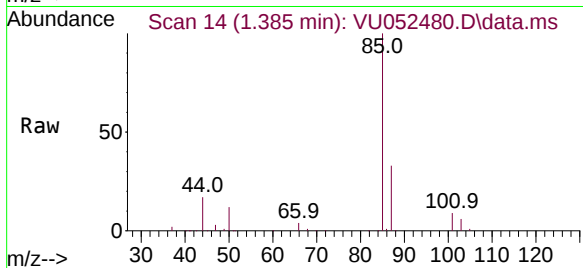




#2
Dichlorodifluoromethane
Concen: 5.220 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

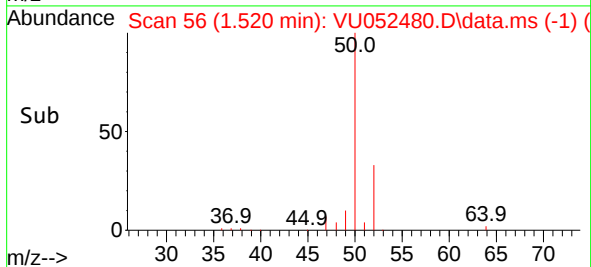
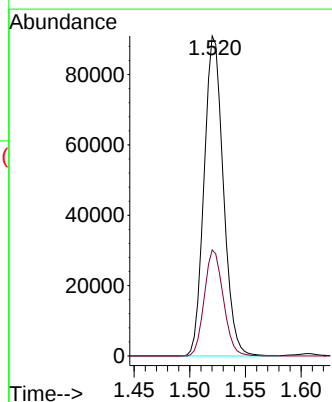
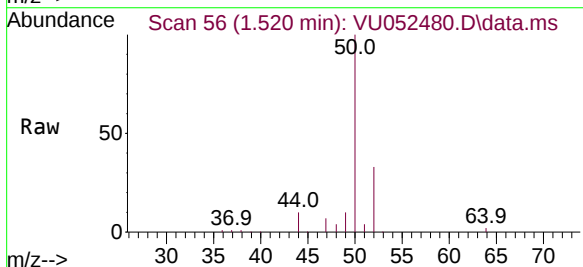
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

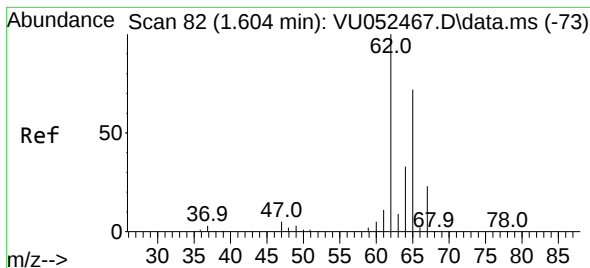
Tgt Ion: 85 Resp: 79148
Ion Ratio Lower Upper
85 100
87 32.4 25.6 38.4



#3
Chloromethane
Concen: 4.989 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 50 Resp: 109180
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 5.218 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

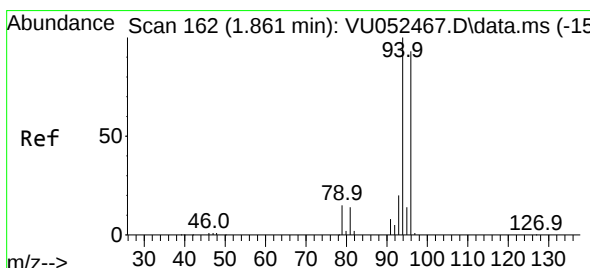
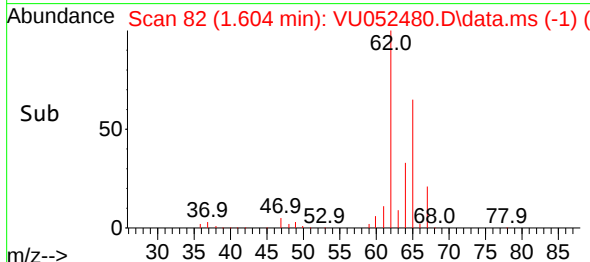
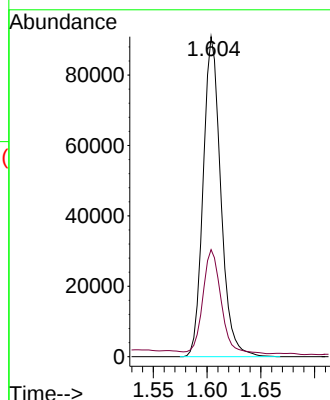
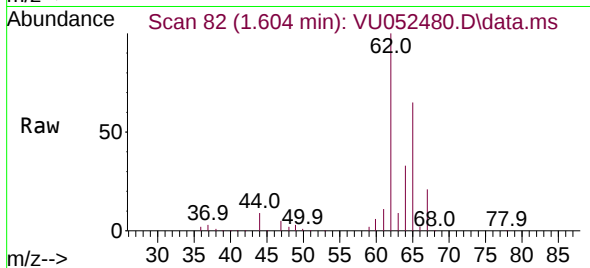
VSTD005112

Tgt Ion: 62 Resp: 103513

Ion Ratio Lower Upper

62 100

64 33.5 24.4 45.4



#6

Bromomethane

Concen: 4.896 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.003 min

Lab File: VU052480.D

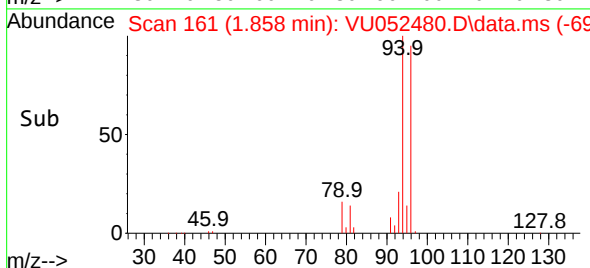
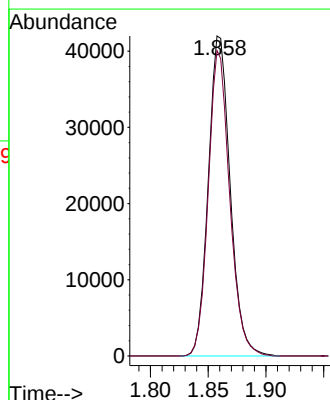
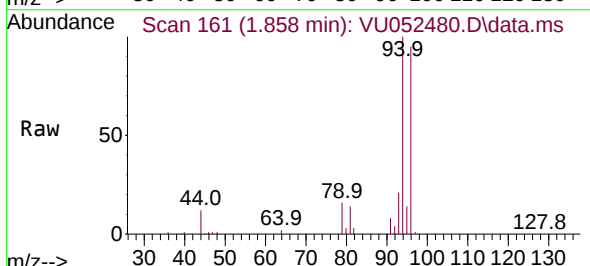
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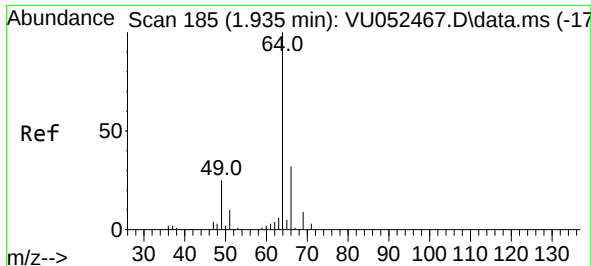
Tgt Ion: 94 Resp: 55376

Ion Ratio Lower Upper

94 100

96 95.4 65.0 120.8

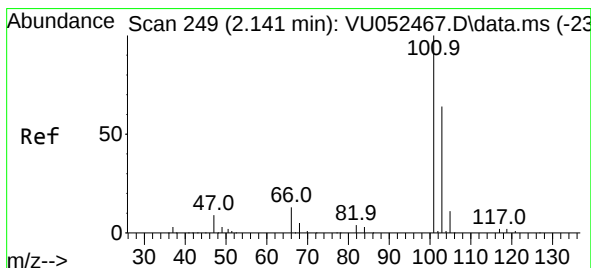
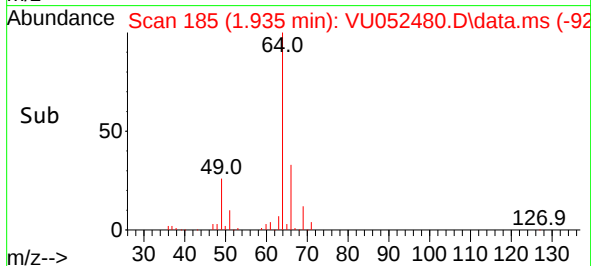
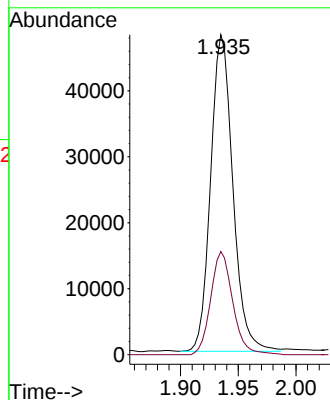
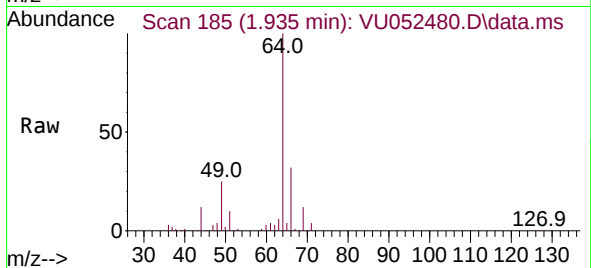




#8
Chloroethane
Concen: 4.736 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

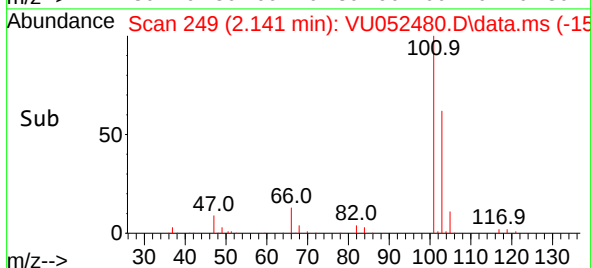
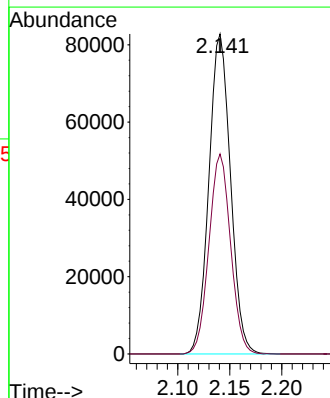
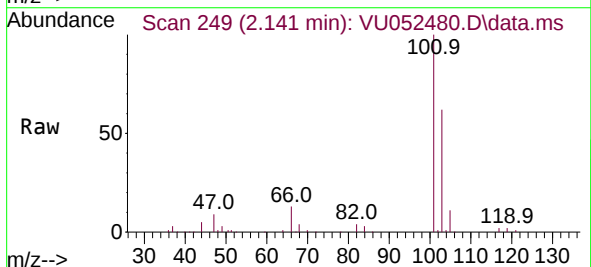
Instrument :
MSVOA_U
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VSTD005112

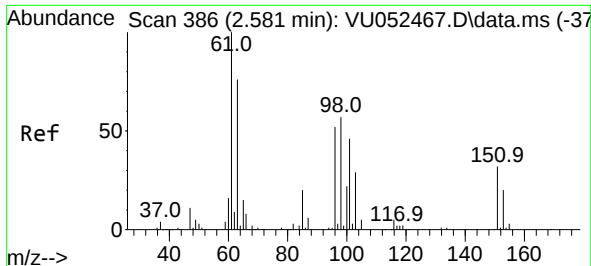
Tgt Ion: 64 Resp: 64354
Ion Ratio Lower Upper
64 100
66 32.2 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.331 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion:101 Resp: 119581
Ion Ratio Lower Upper
101 100
103 62.5 52.0 78.0

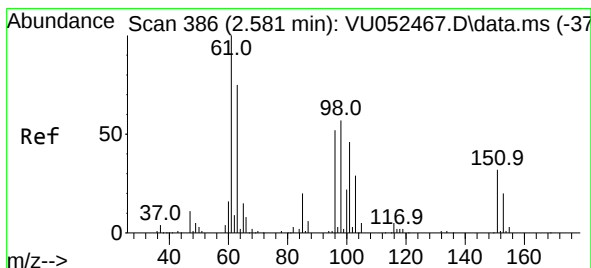
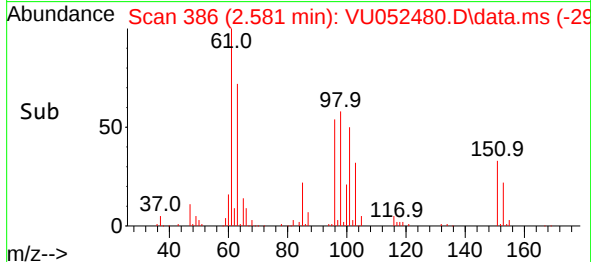
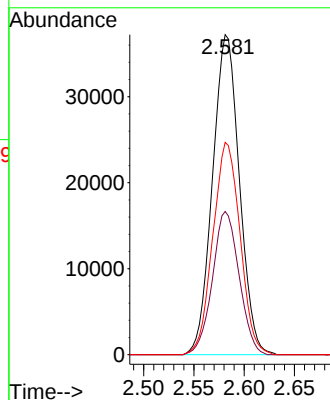
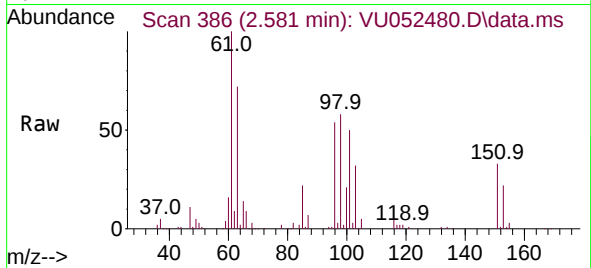




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.191 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

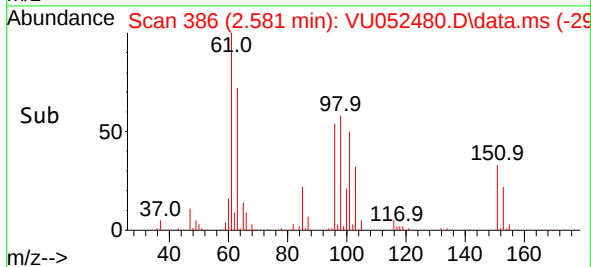
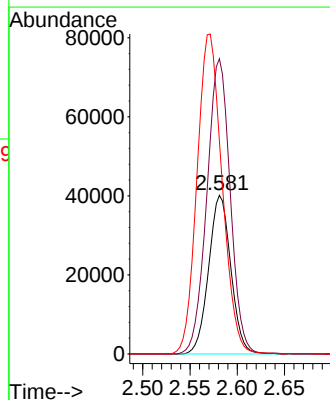
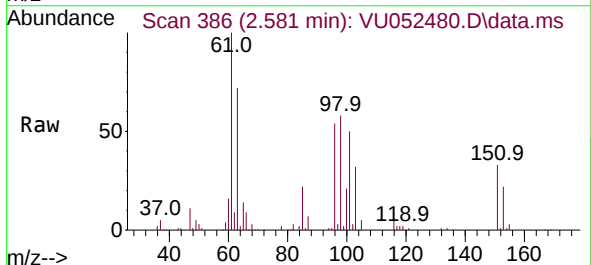
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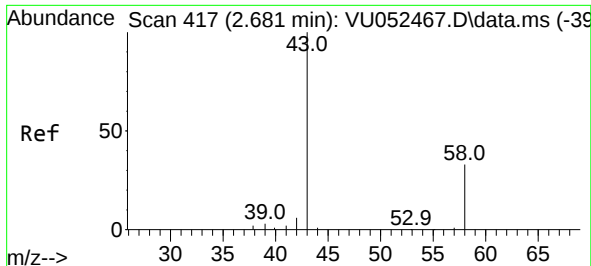
Tgt Ion: 101 Resp: 69212
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.8 53.6
 151 67.2 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 5.132 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

Tgt Ion: 96 Resp: 65495
 Ion Ratio Lower Upper
 96 100
 61 186.1 135.4 251.4
 63 134.3 95.4 177.2





#13

Acetone

Concen: 47.831 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.032 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

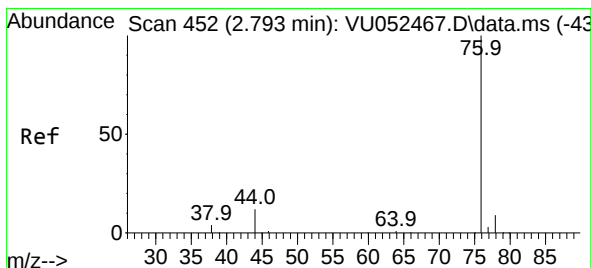
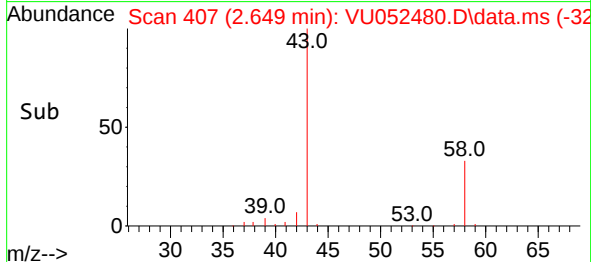
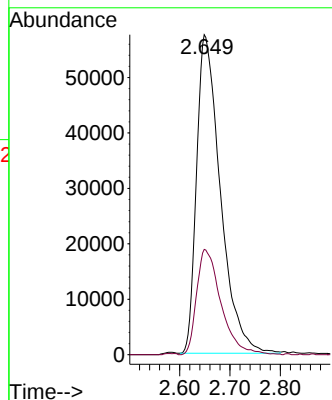
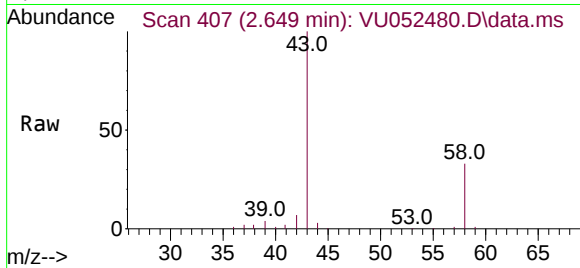
VSTD005112

Tgt Ion: 43 Resp: 188768

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.4



#14

Carbon disulfide

Concen: 5.222 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052480.D

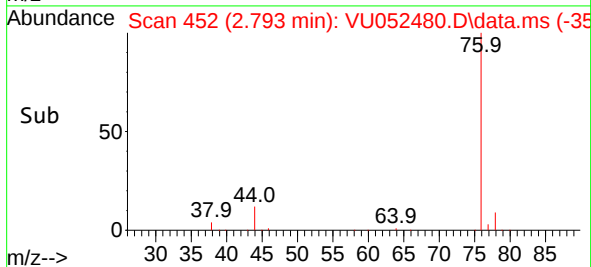
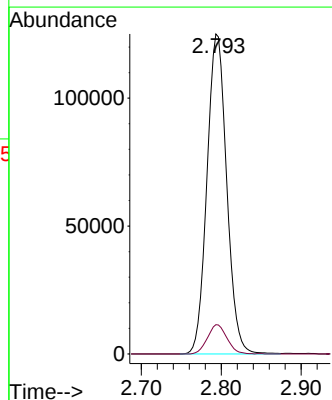
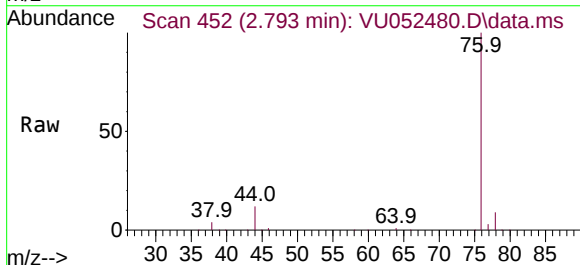
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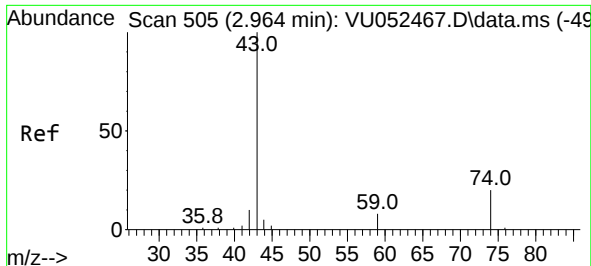
Tgt Ion: 76 Resp: 214747

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

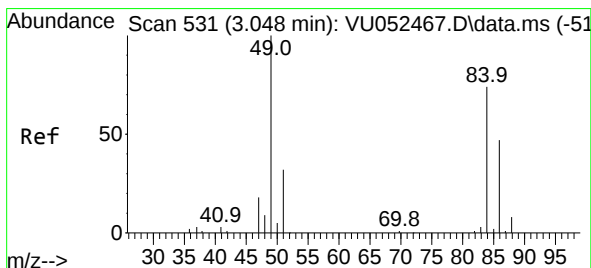
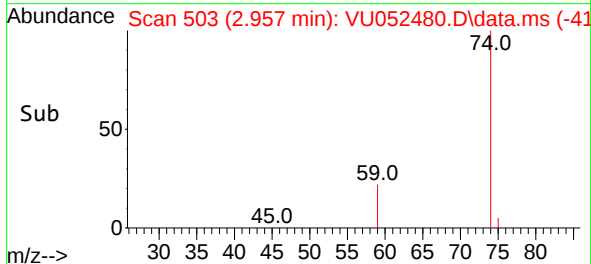
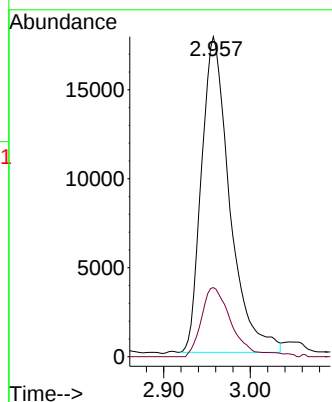
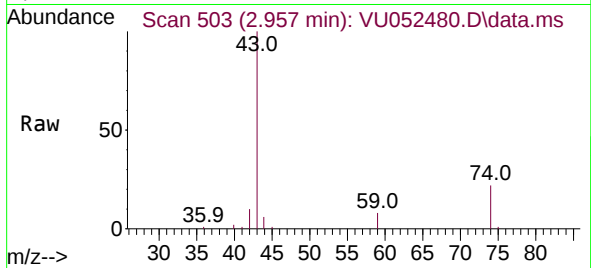




#15
Methyl Acetate
Concen: 4.624 ug/L
RT: 2.957 min Scan# 505
Delta R.T. -0.007 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

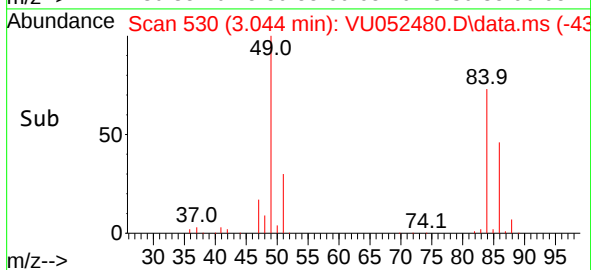
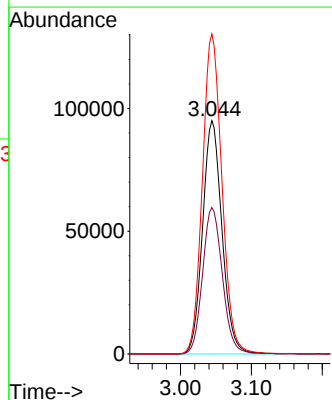
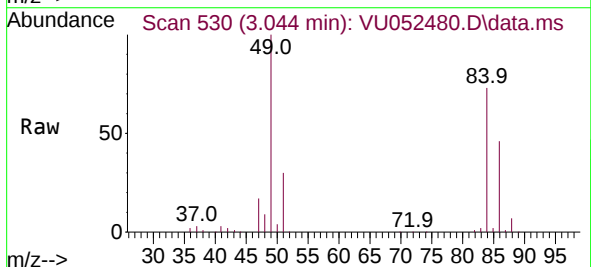
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

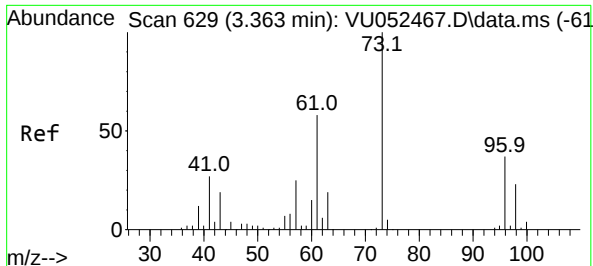
Tgt Ion: 43 Resp: 40206
Ion Ratio Lower Upper
43 100
74 23.6 16.9 25.3



#16
Methylene chloride
Concen: 10.022 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 84 Resp: 180668
Ion Ratio Lower Upper
84 100
86 62.8 44.7 83.1
49 137.1 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 4.913 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005112

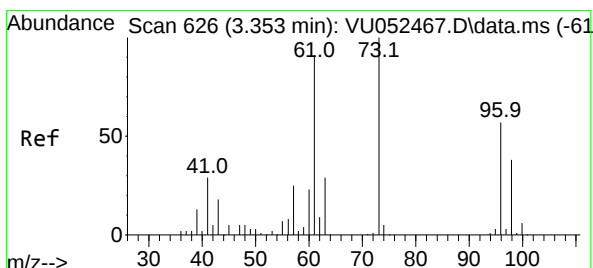
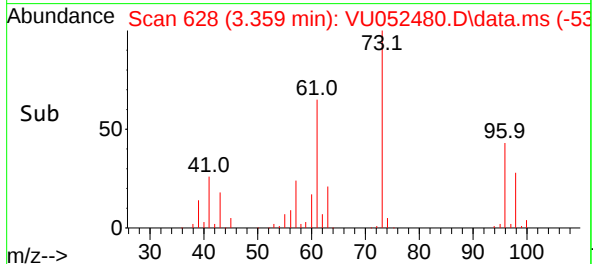
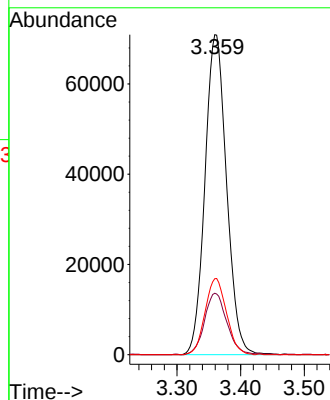
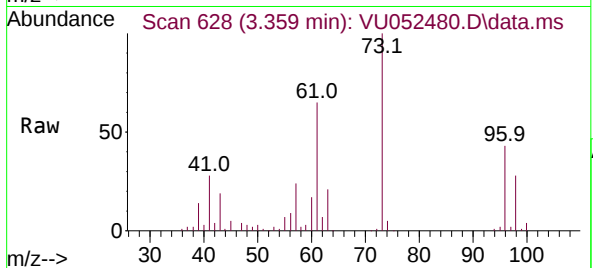
Tgt Ion: 73 Resp: 167386

Ion Ratio Lower Upper

73 100

43 19.8 16.1 24.1

57 23.6 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 5.213 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

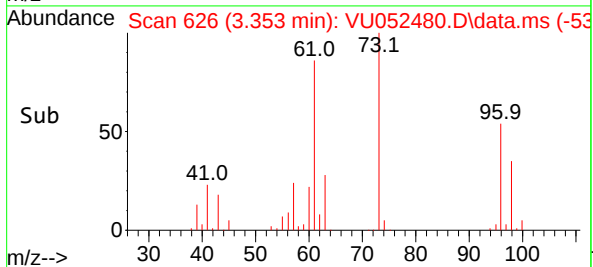
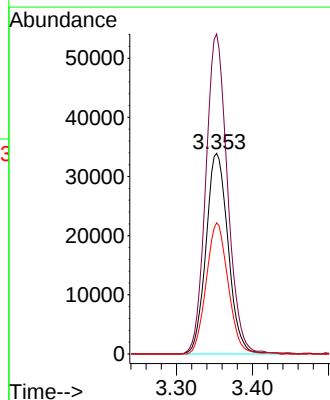
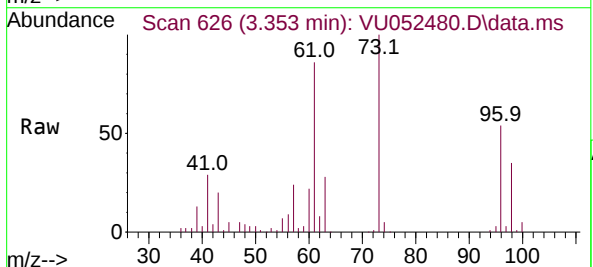
Tgt Ion: 96 Resp: 68562

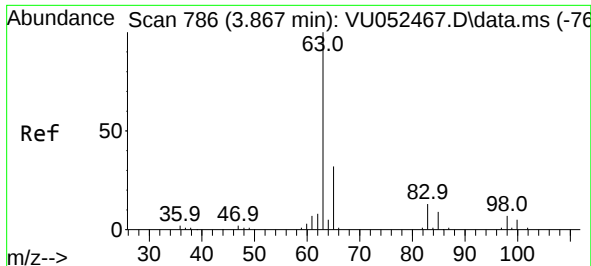
Ion Ratio Lower Upper

96 100

61 159.5 108.3 201.1

98 65.4 44.0 81.6

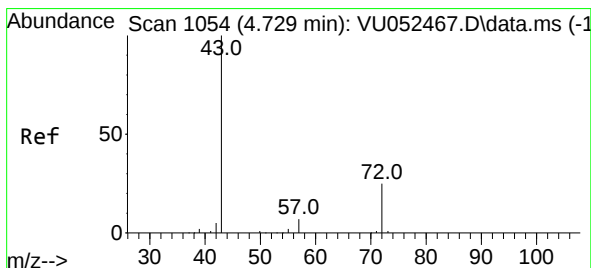
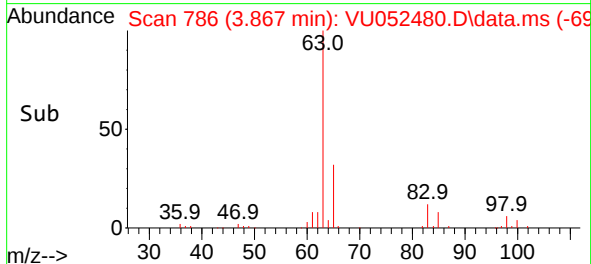
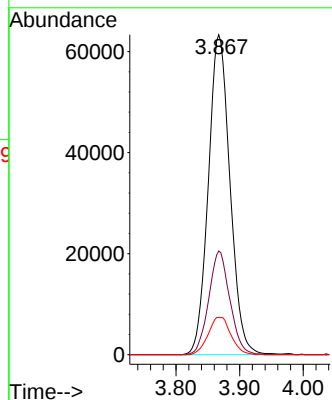
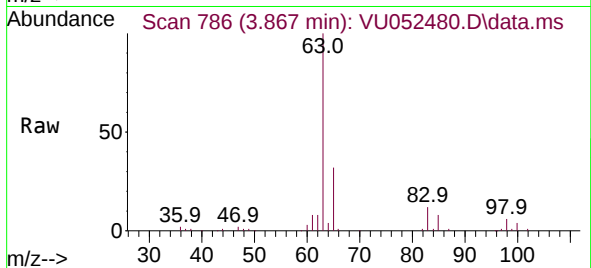




#19
1,1-Dichloroethane
Concen: 5.232 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

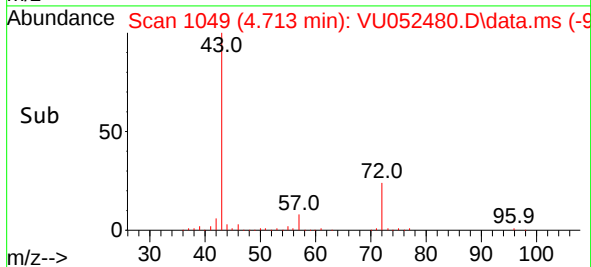
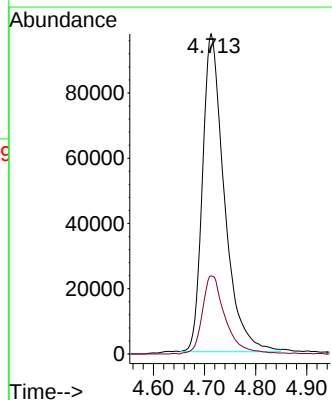
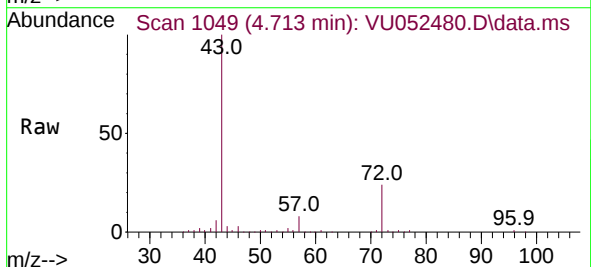
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

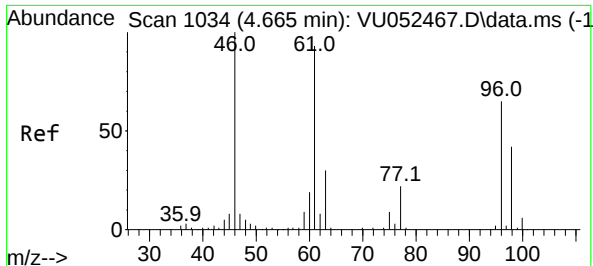
Tgt Ion: 63 Resp: 149666
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 11.6 9.0 16.8



#21
2-Butanone
Concen: 49.769 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.016 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 43 Resp: 289275
Ion Ratio Lower Upper
43 100
72 25.6 11.6 34.7

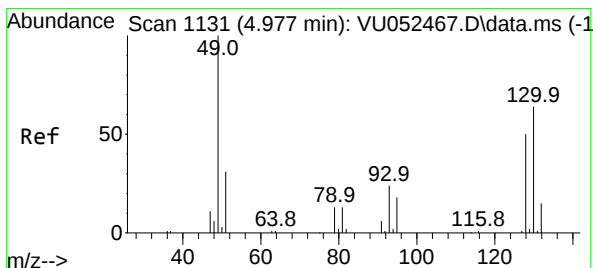
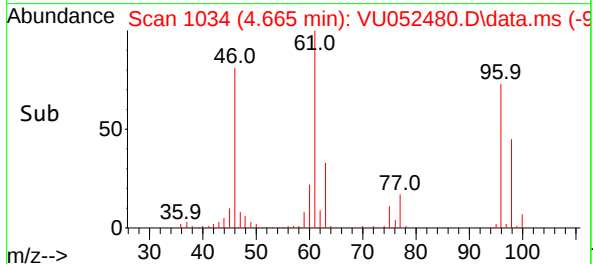
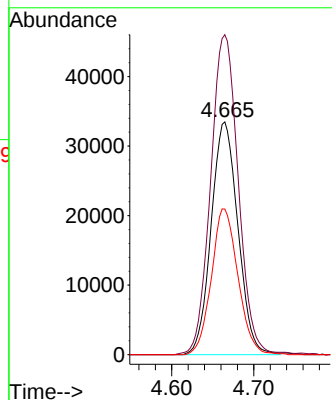
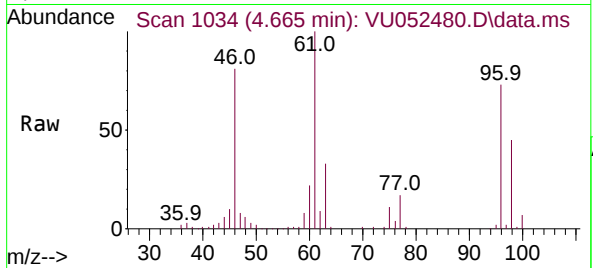




#22
 cis-1,2-Dichloroethene
 Concen: 5.264 ug/L
 RT: 4.665 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

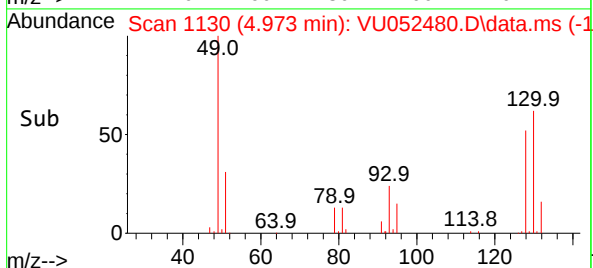
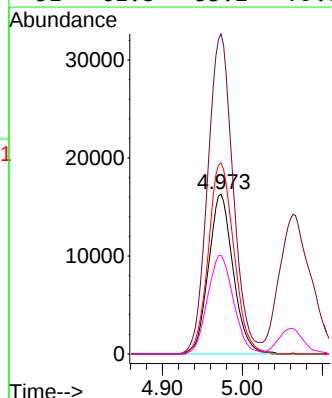
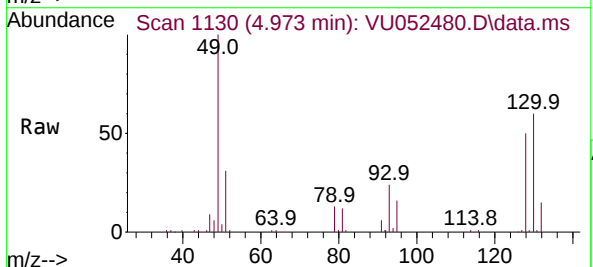
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005112

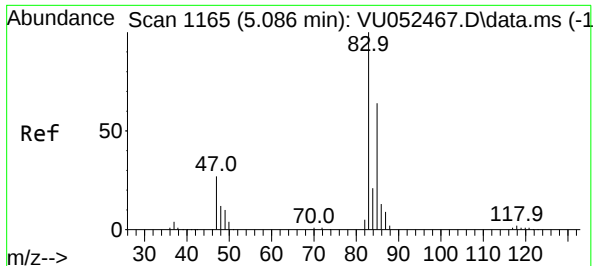
Tgt Ion: 96 Resp: 75976
 Ion Ratio Lower Upper
 96 100
 61 137.5 96.9 180.1
 98 62.5 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.232 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.003 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

Tgt Ion: 128 Resp: 34999
 Ion Ratio Lower Upper
 128 100
 49 200.4 143.3 266.1
 130 119.6 88.4 164.2
 51 61.8 53.2 79.8





#25

Chloroform

Concen: 5.092 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

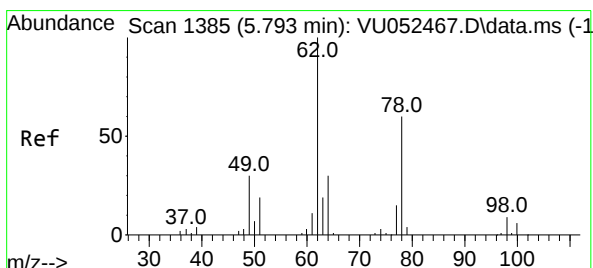
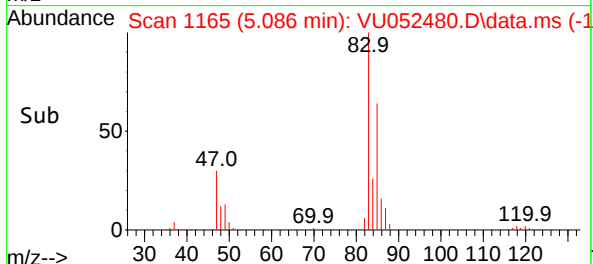
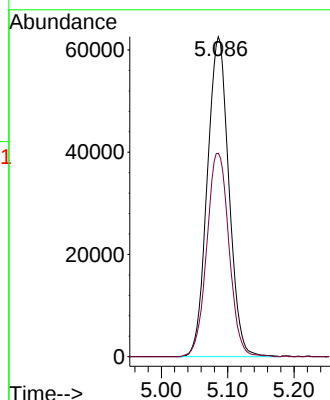
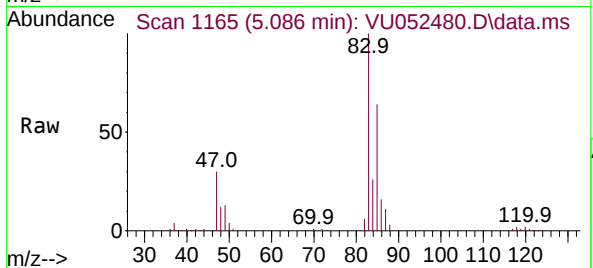
VSTD005112

Tgt Ion: 83 Resp: 141116

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.092 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052480.D

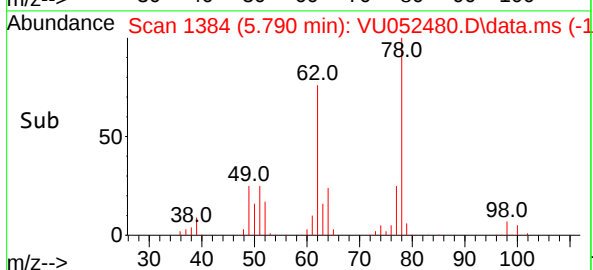
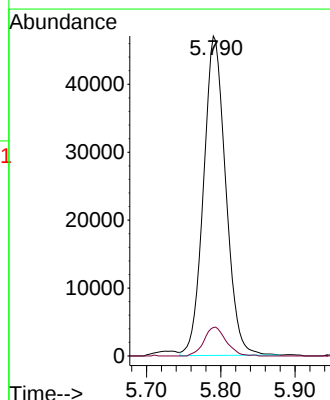
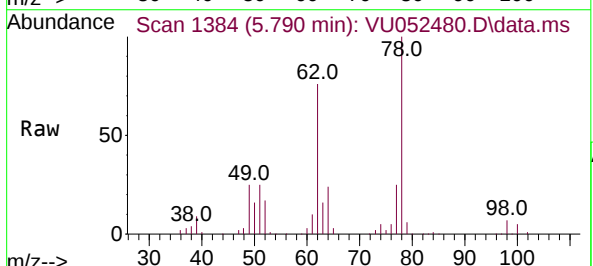
Acq: 21 Dec 2022 16:34

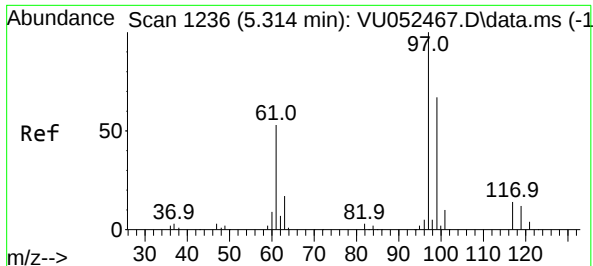
Tgt Ion: 62 Resp: 97501

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.308 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005112

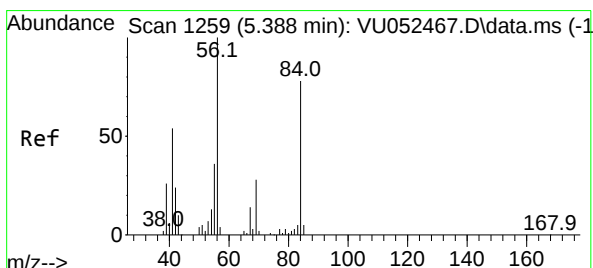
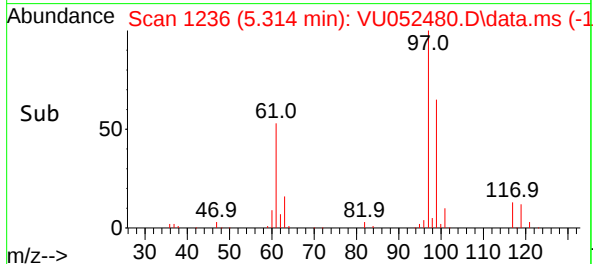
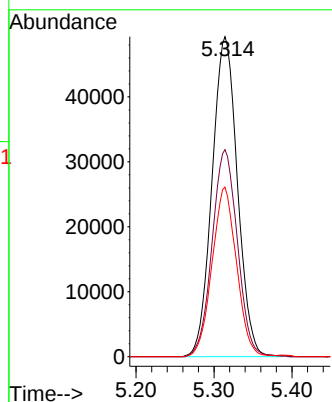
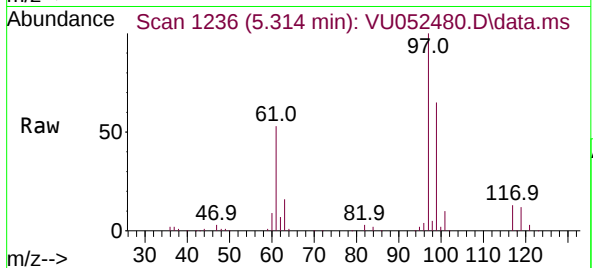
Tgt Ion: 97 Resp: 111392

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 51.2 41.6 62.4



#30

Cyclohexane

Concen: 5.271 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

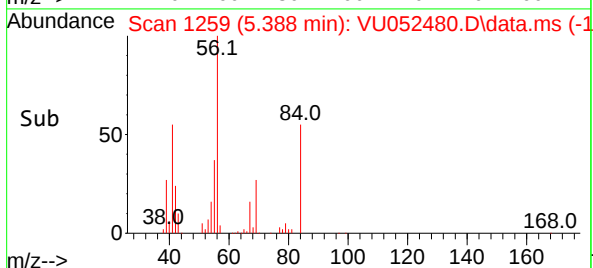
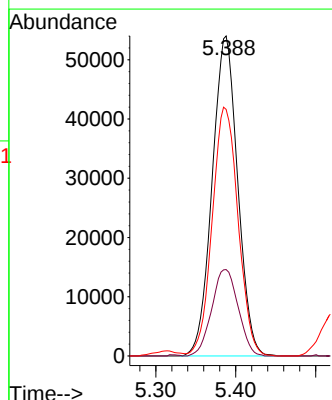
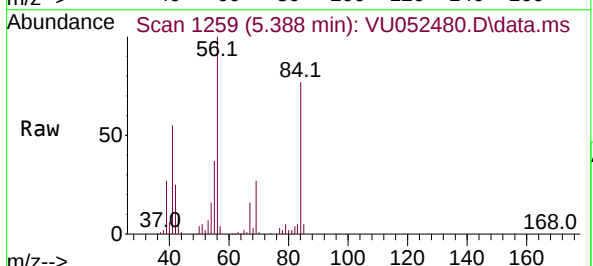
Tgt Ion: 56 Resp: 119540

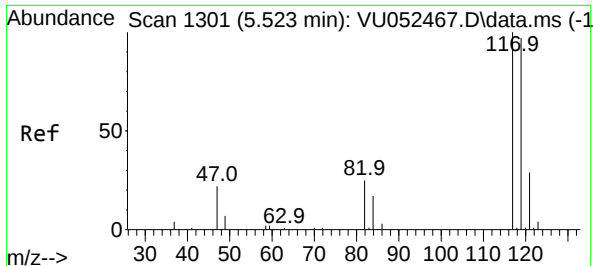
Ion Ratio Lower Upper

56 100

69 28.0 23.0 34.6

84 78.8 64.4 96.6

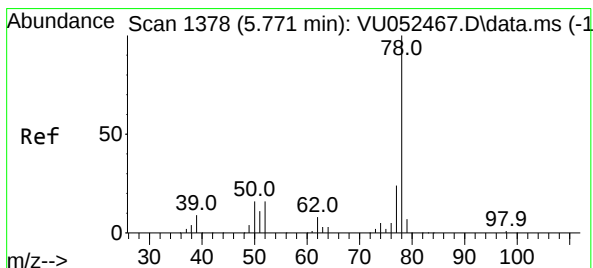
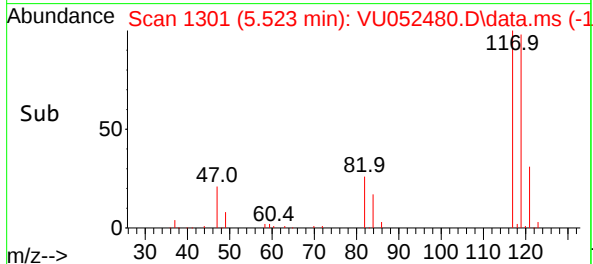
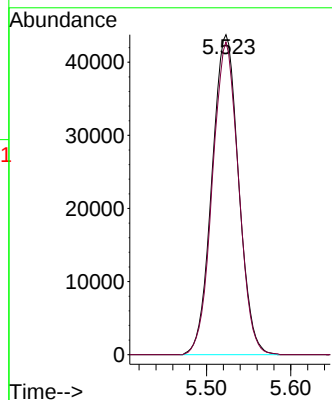
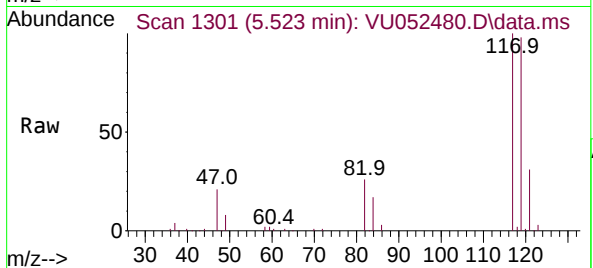




#31
Carbon tetrachloride
Concen: 5.205 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

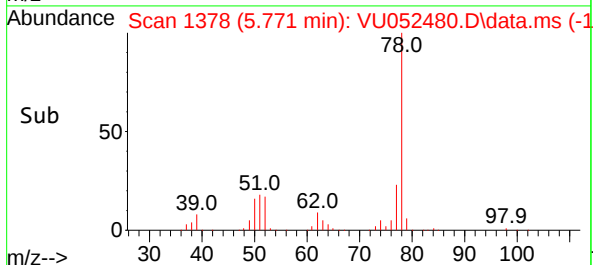
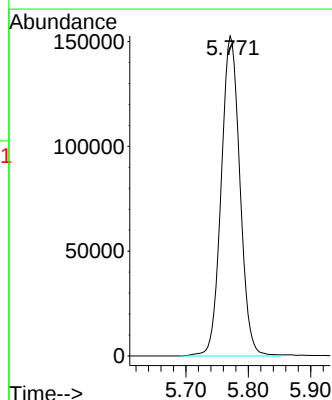
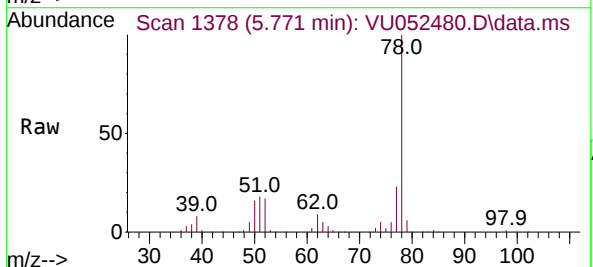
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

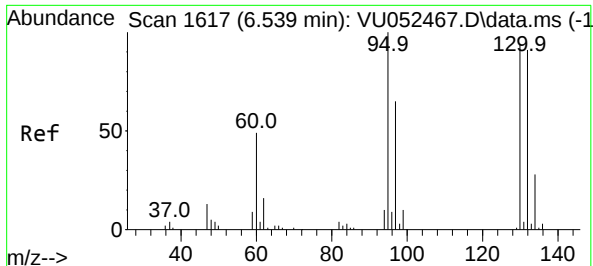
Tgt Ion:117 Resp: 95982
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5



#33
Benzene
Concen: 5.293 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 78 Resp: 317938

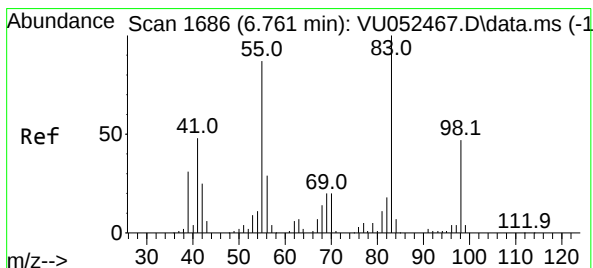
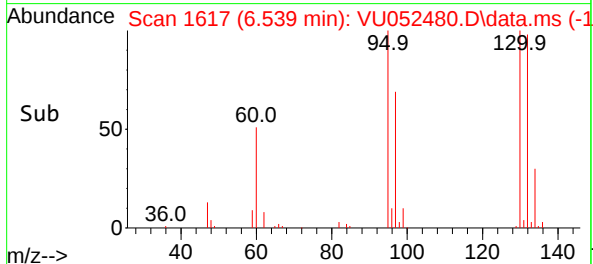
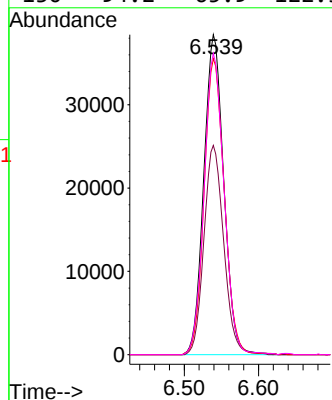
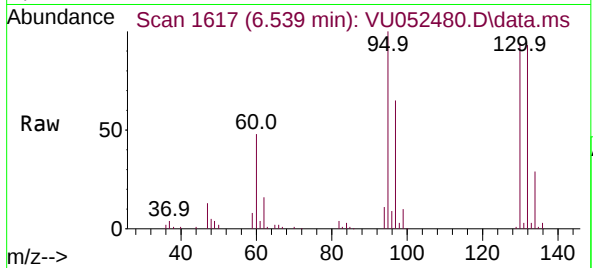




#34
Trichloroethene
Concen: 5.115 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

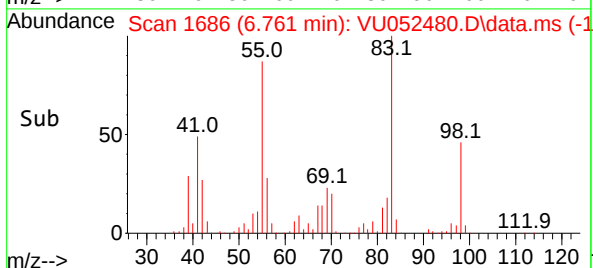
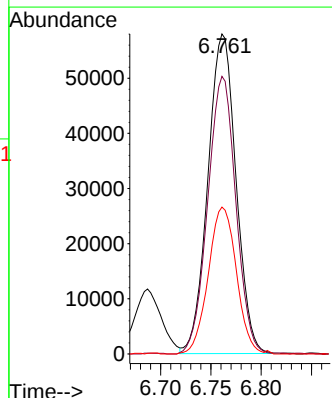
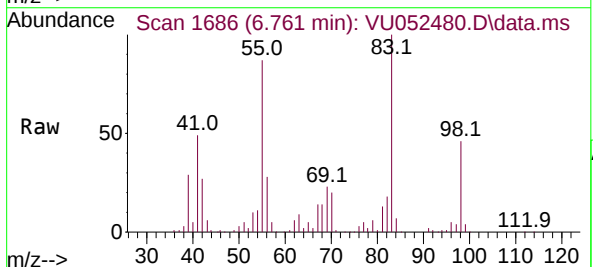
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

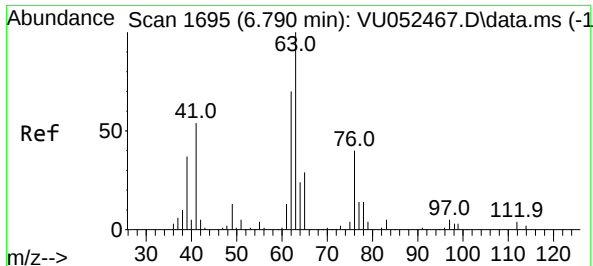
Tgt Ion: 95 Resp: 71823
Ion Ratio Lower Upper
95 100
97 65.4 46.3 86.1
132 92.5 63.9 118.7
130 94.2 65.9 122.5



#35
Methylcyclohexane
Concen: 5.332 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 83 Resp: 112886
Ion Ratio Lower Upper
83 100
55 86.8 71.4 107.0
98 45.8 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.254 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

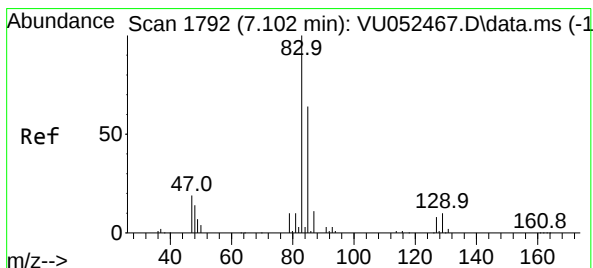
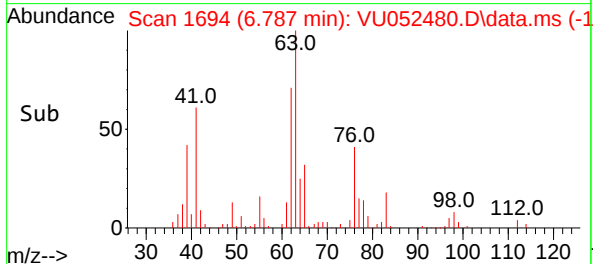
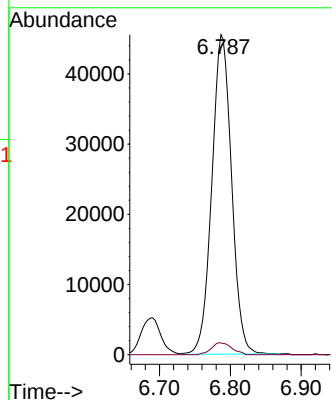
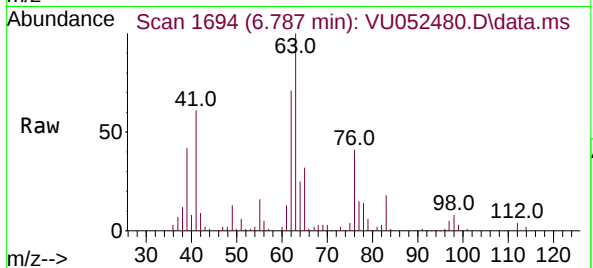
VSTD005112

Tgt Ion: 63 Resp: 88049

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 5.094 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

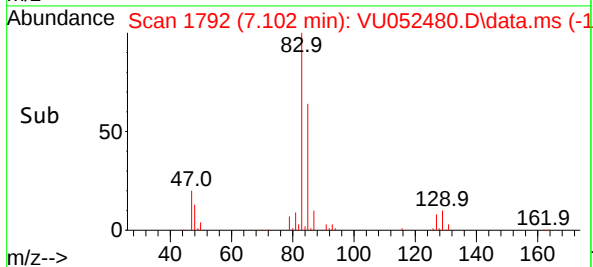
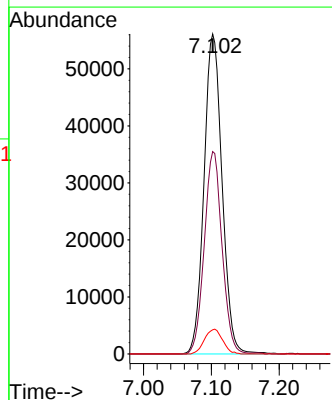
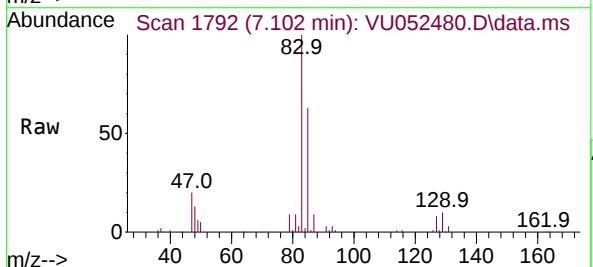
Tgt Ion: 83 Resp: 103903

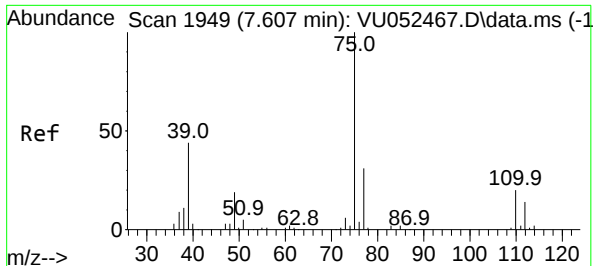
Ion Ratio Lower Upper

83 100

85 63.2 45.2 84.0

127 7.6 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.176 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

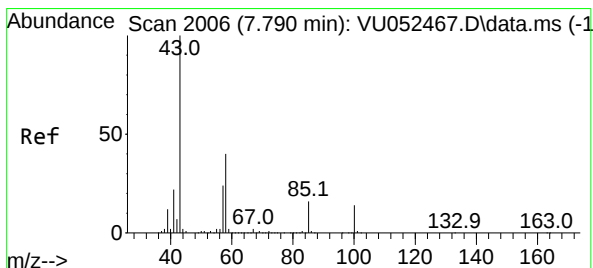
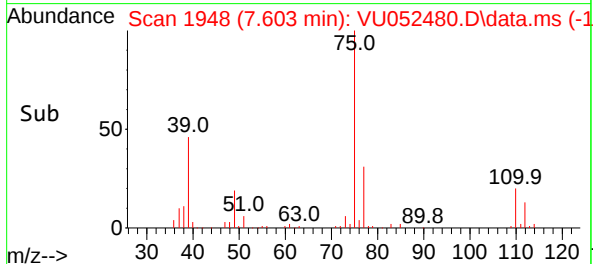
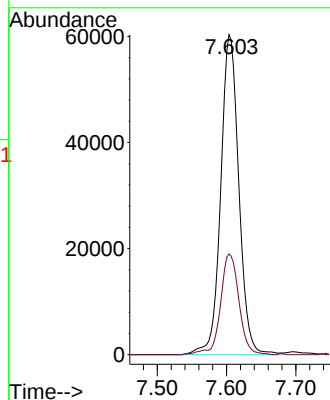
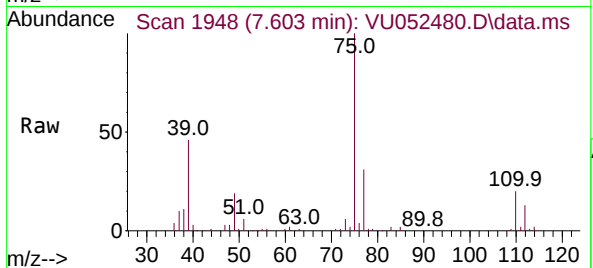
VSTD005112

Tgt Ion: 75 Resp: 109880

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 51.388 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

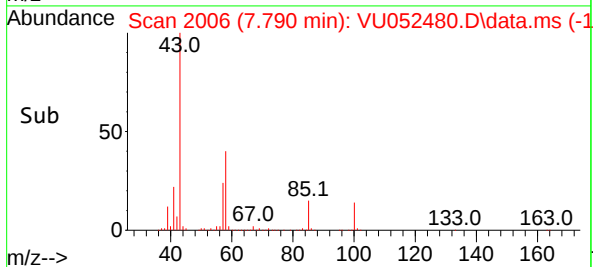
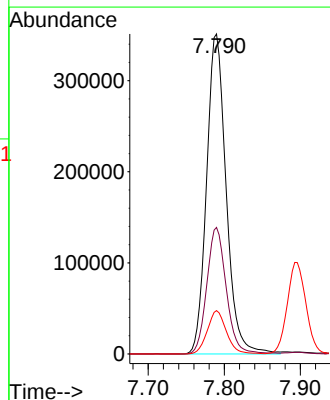
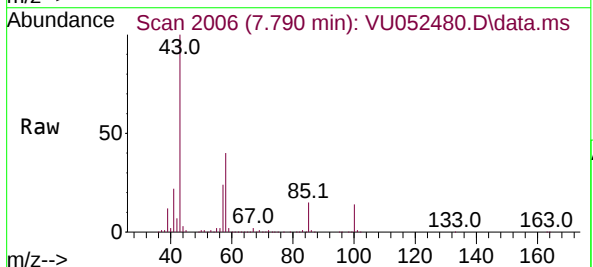
Tgt Ion: 43 Resp: 629361

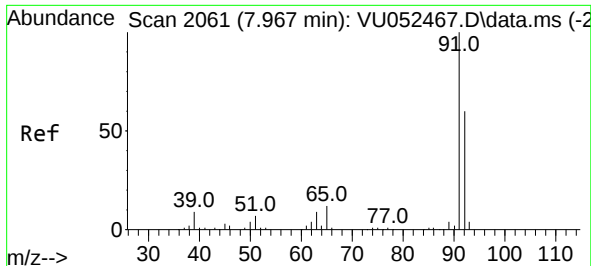
Ion Ratio Lower Upper

43 100

58 39.2 30.6 45.8

100 13.2 10.4 15.6





#42

Toluene

Concen: 5.542 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

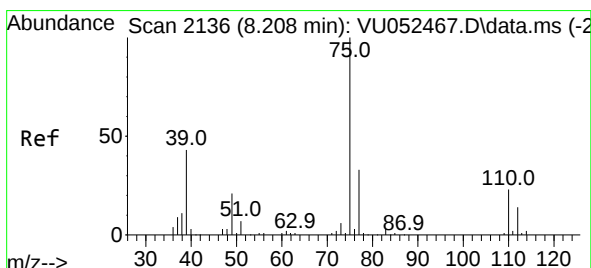
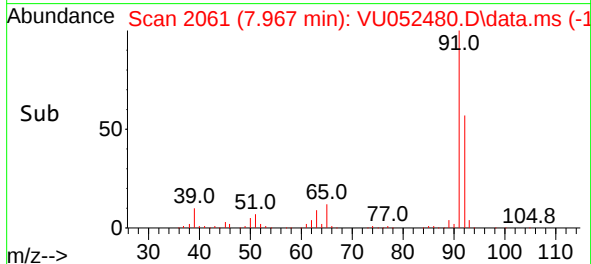
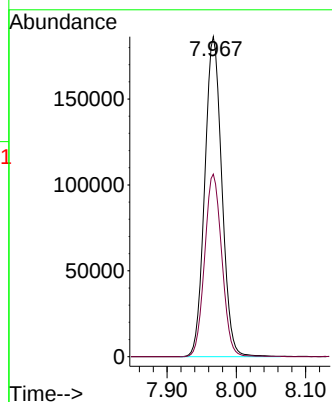
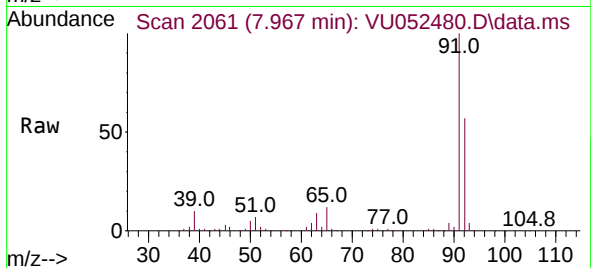
VSTD005112

Tgt Ion: 91 Resp: 319126

Ion Ratio Lower Upper

91 100

92 57.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.265 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052480.D

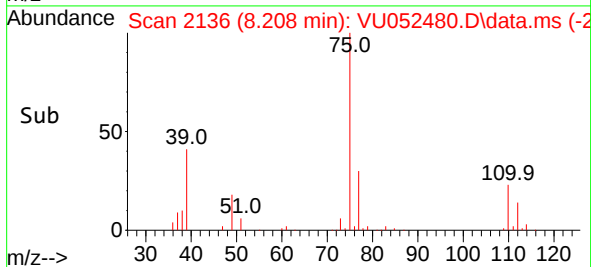
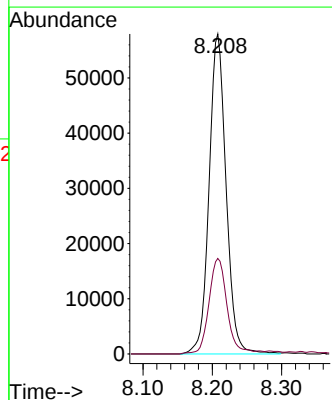
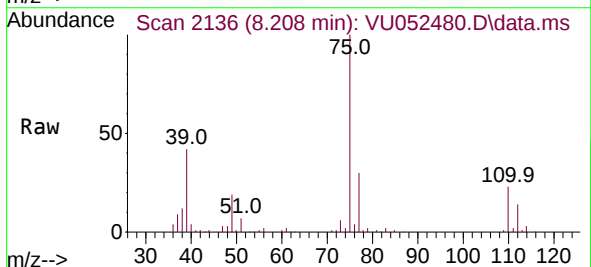
Acq: 21 Dec 2022 16:34

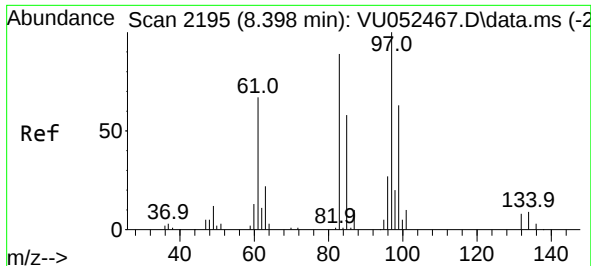
Tgt Ion: 75 Resp: 98481

Ion Ratio Lower Upper

75 100

77 29.9 22.8 42.4

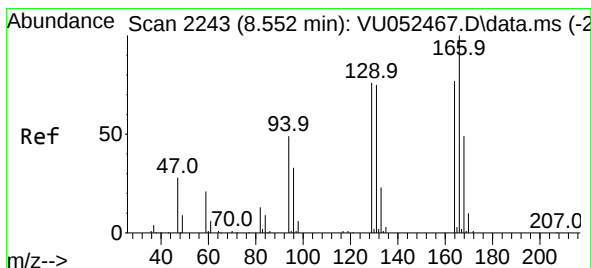
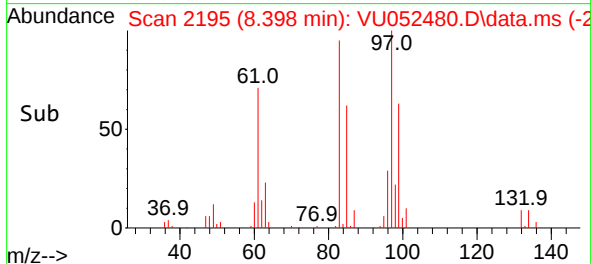
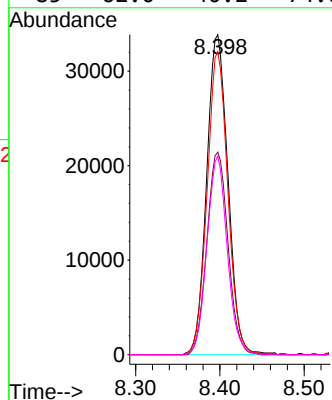
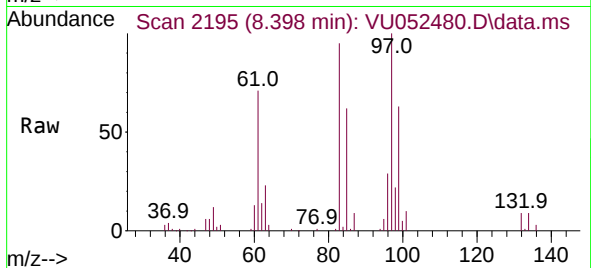




#45
1,1,2-Trichloroethane
Concen: 5.016 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

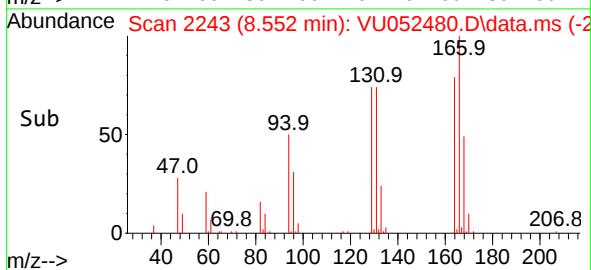
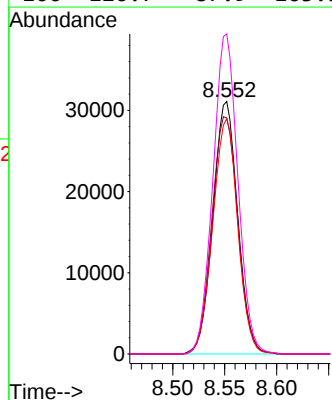
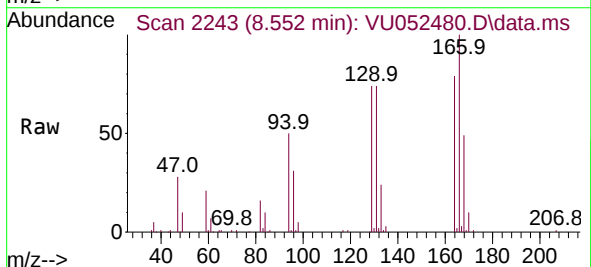
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

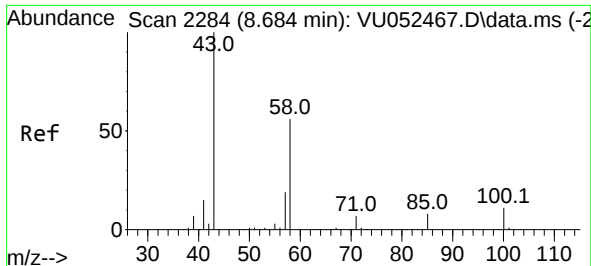
Tgt Ion: 97	Resp: 59540
Ion Ratio	Lower Upper
97 100	
99 63.3	42.0 78.0
83 94.7	63.2 117.4
85 62.0	40.2 74.6



#47
Tetrachloroethene
Concen: 5.271 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt	Ion:164	Resp:	51662
Ion	Ratio	Lower	Upper
164	100		
129	93.4	68.1	126.5
131	93.2	66.5	123.5
166	126.7	87.9	163.3

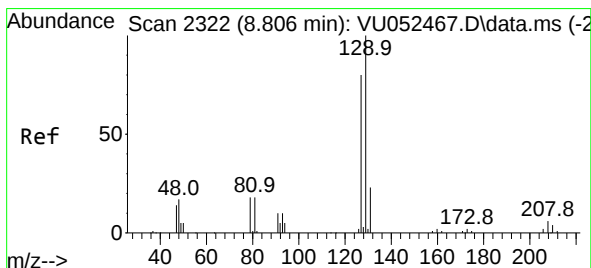
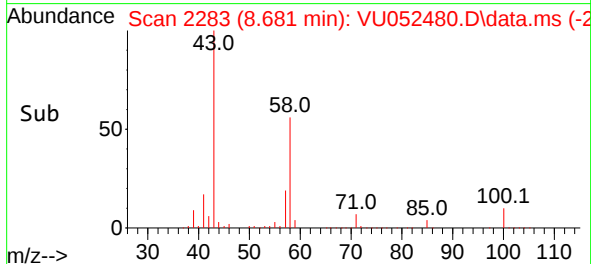
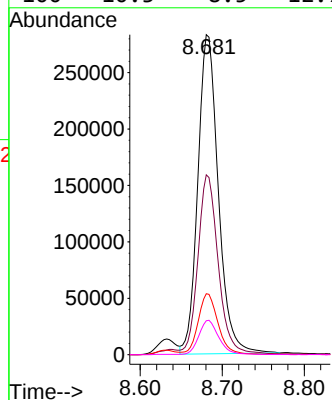
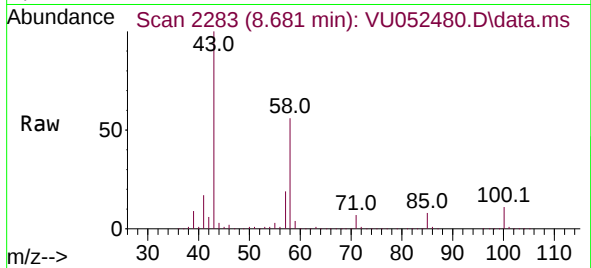




#48
2-Hexanone
Concen: 53.212 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

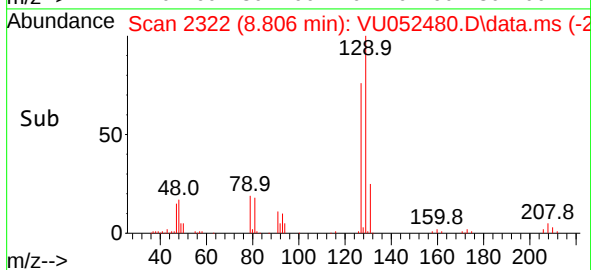
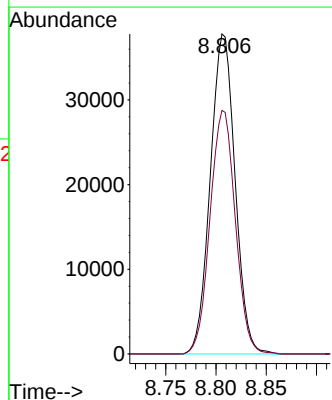
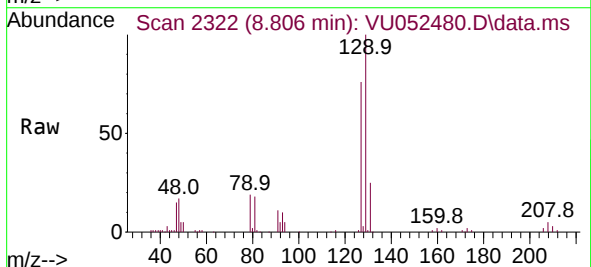
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

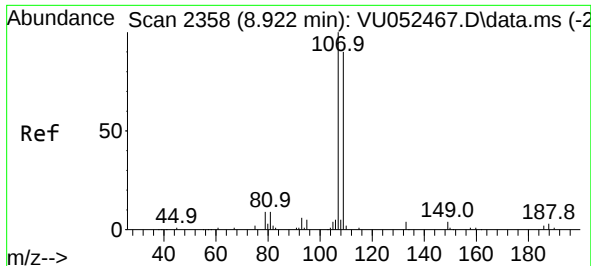
Tgt Ion: 43 Resp: 491248
Ion Ratio Lower Upper
43 100
58 55.9 44.1 66.1
57 18.4 14.6 21.8
100 10.3 8.5 12.7



#49
Dibromochloromethane
Concen: 5.156 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 129 Resp: 64806
Ion Ratio Lower Upper
129 100
127 76.1 54.2 100.6

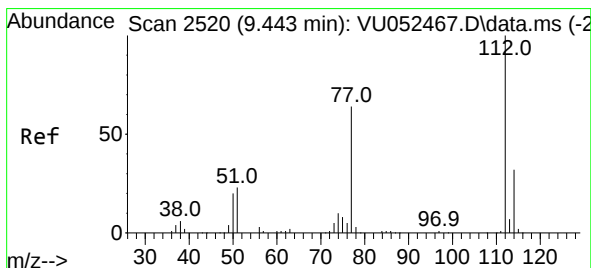
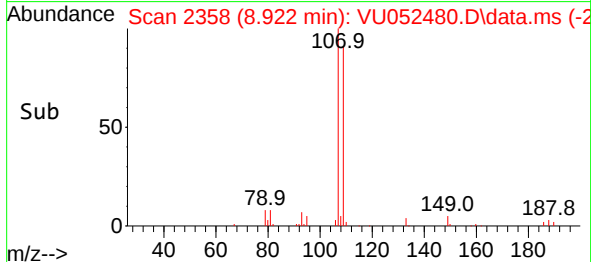
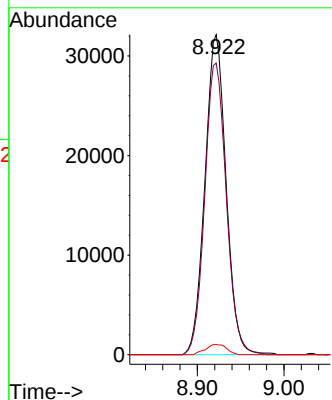
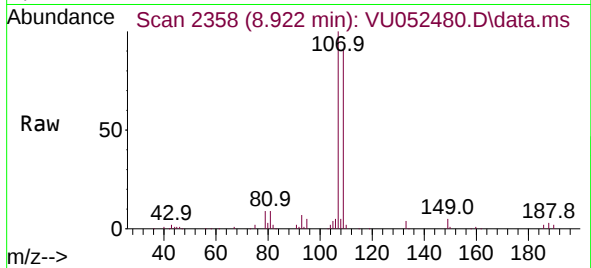




#50
1,2-Dibromoethane
Concen: 5.054 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

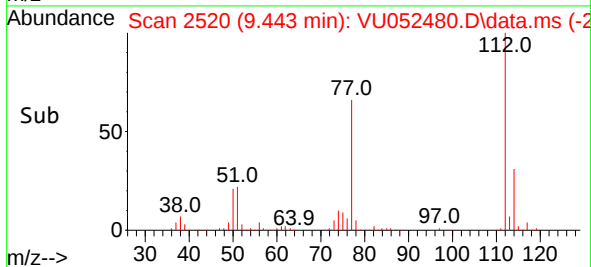
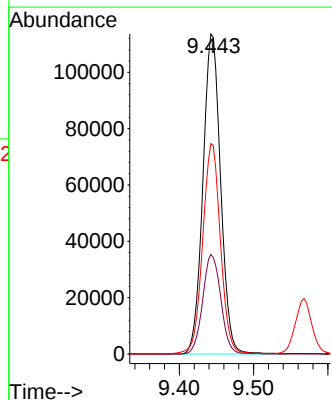
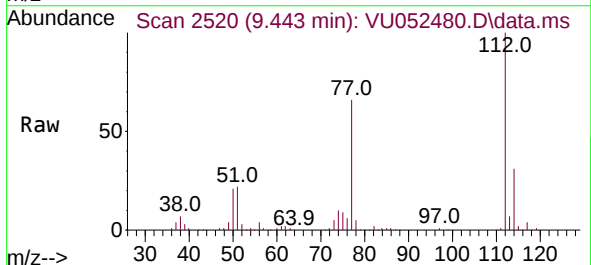
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

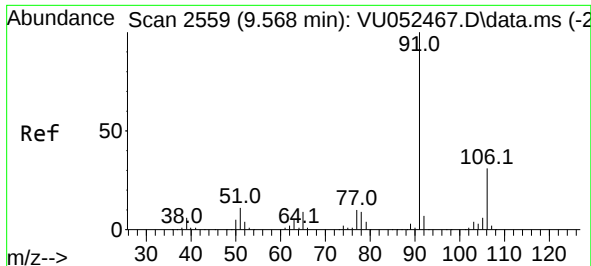
Tgt Ion:107 Resp: 54536
Ion Ratio Lower Upper
107 100
109 91.1 65.8 122.2
188 3.1 2.3 3.5



#51
Chlorobenzene
Concen: 5.109 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion:112 Resp: 187875
Ion Ratio Lower Upper
112 100
114 31.1 21.3 39.5
77 65.8 51.0 76.6





#52

Ethylbenzene

Concen: 5.147 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

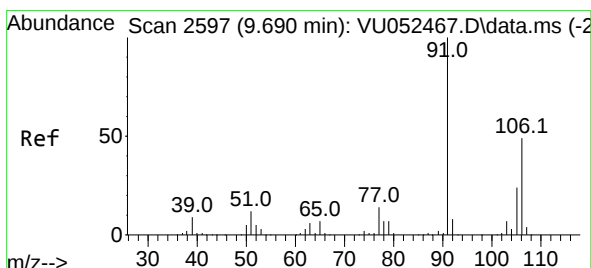
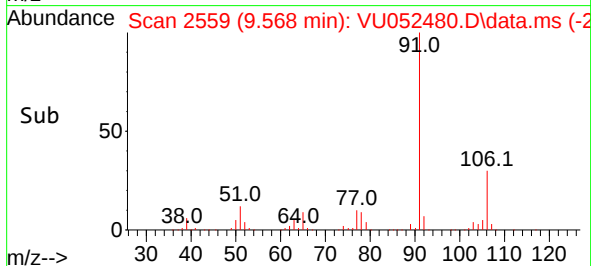
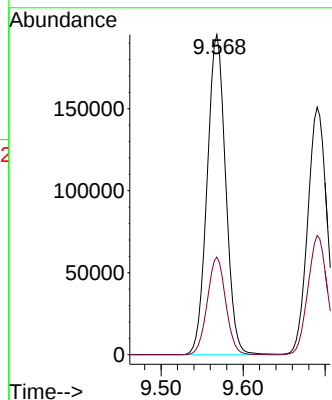
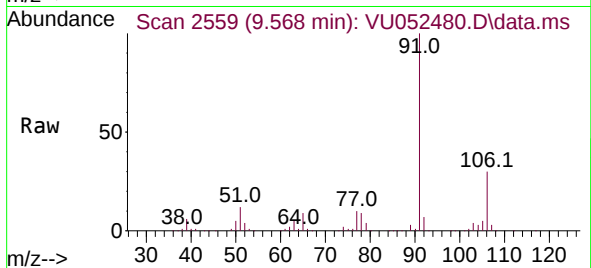
VSTD005112

Tgt Ion: 91 Resp: 306716

Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.7



#53

m,p-Xylene

Concen: 5.473 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU052480.D

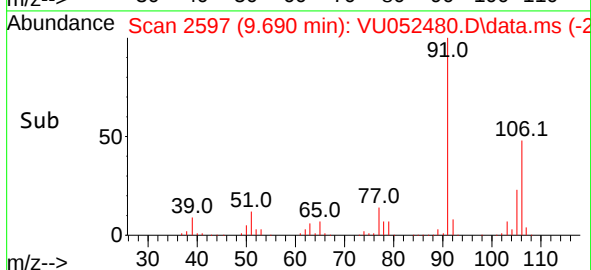
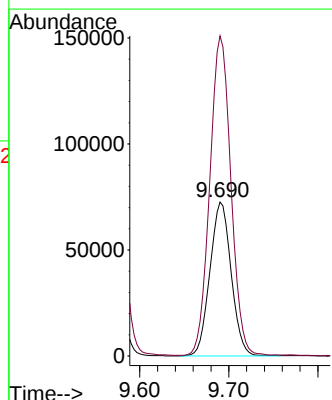
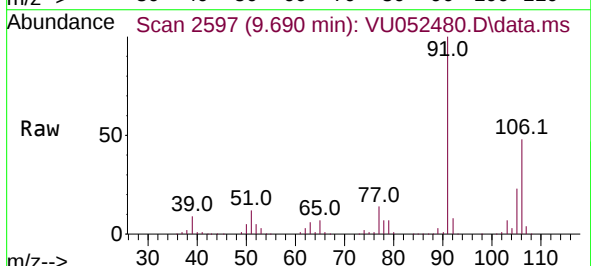
Acq: 21 Dec 2022 16:34

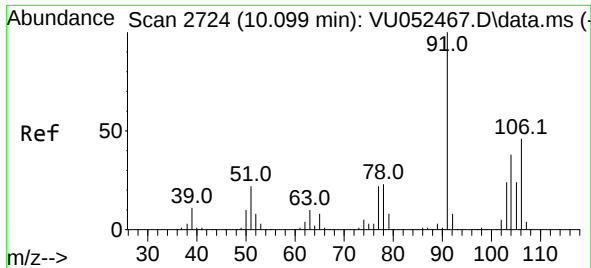
Tgt Ion:106 Resp: 120262

Ion Ratio Lower Upper

106 100

91 207.9 148.2 275.2

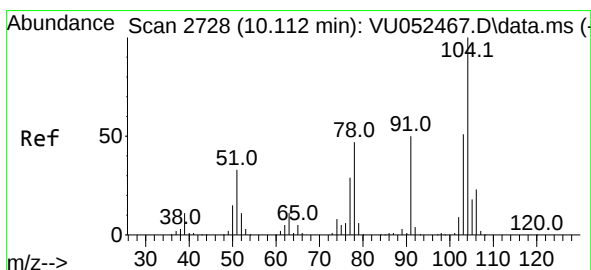
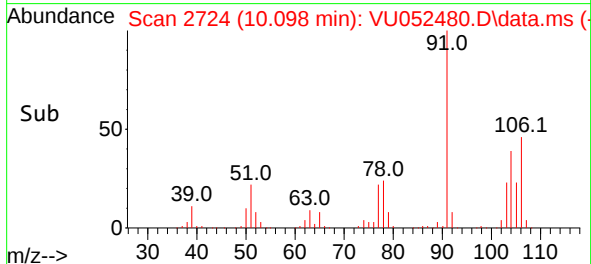
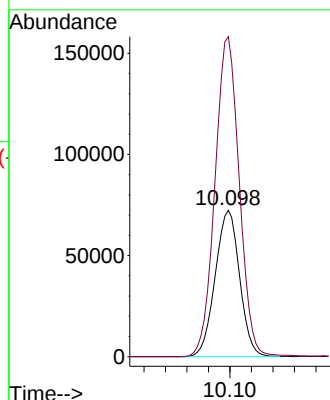
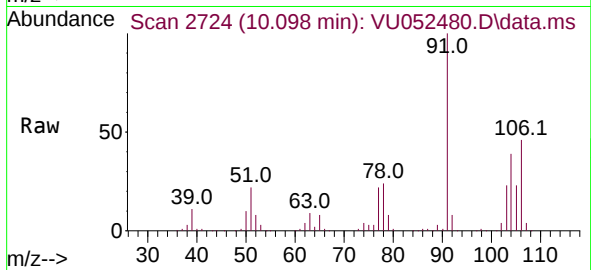




#54
o-Xylene
Concen: 5.411 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

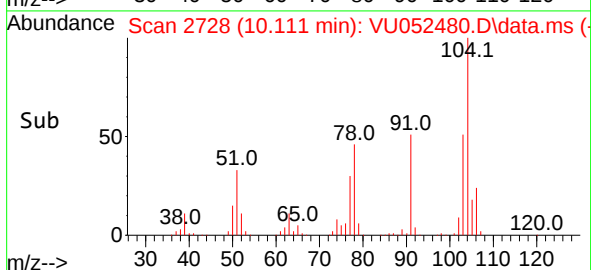
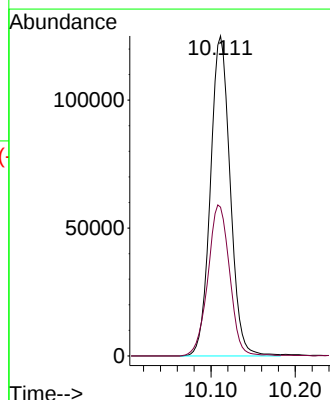
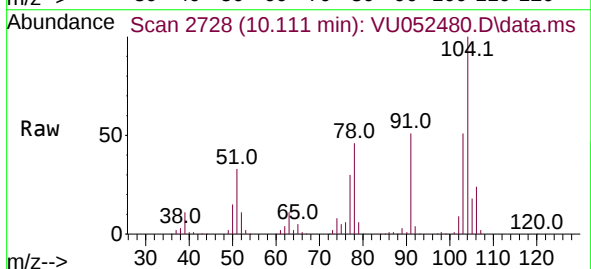
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

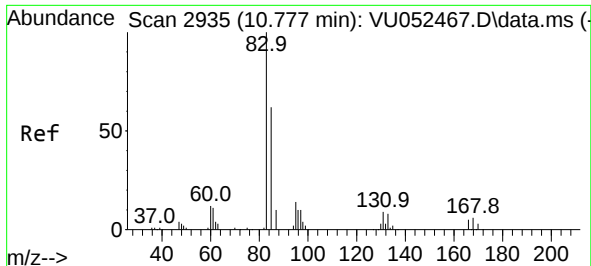
Tgt Ion:106 Resp: 113979
Ion Ratio Lower Upper
106 100
91 218.5 153.2 284.4



#55
Styrene
Concen: 5.567 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion:104 Resp: 204030
Ion Ratio Lower Upper
104 100
78 46.5 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.893 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005112

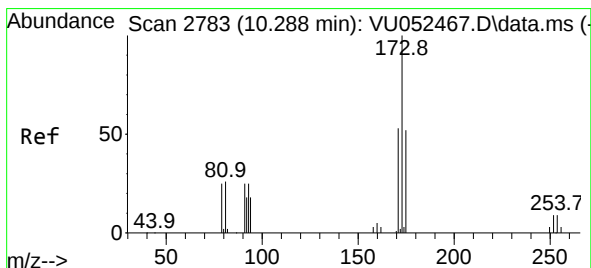
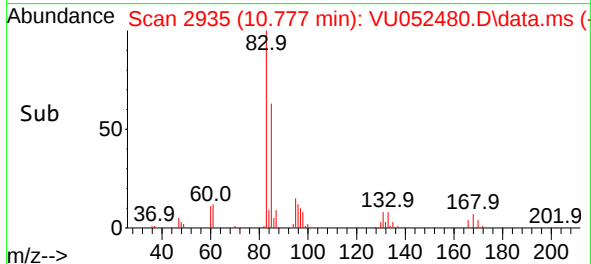
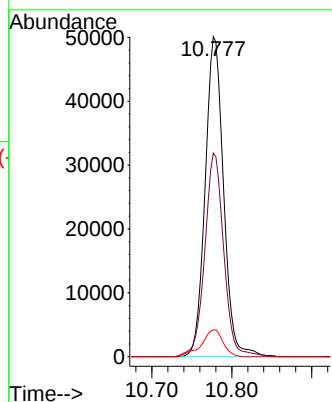
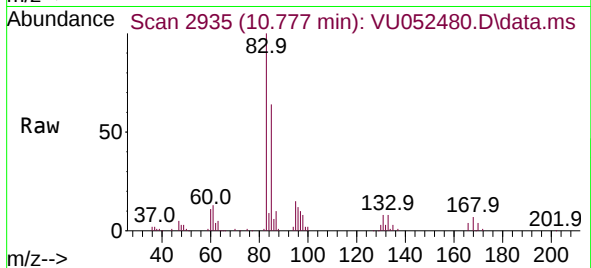
Tgt Ion: 83 Resp: 80291

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1

131 8.4 6.0 9.0



#59

Bromoform

Concen: 4.595 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052480.D

Acq: 21 Dec 2022 16:34

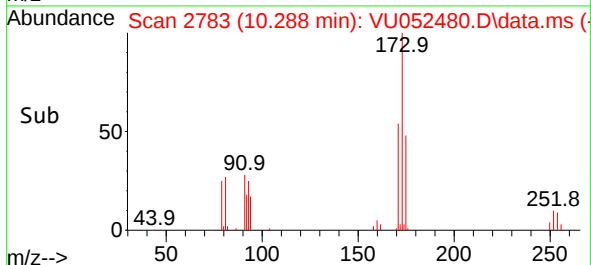
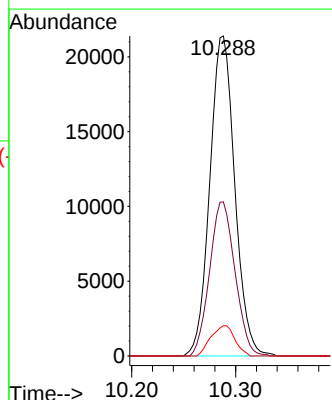
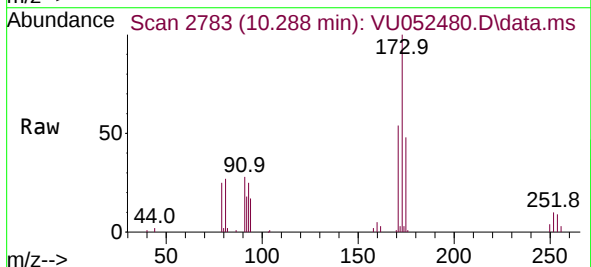
Tgt Ion: 173 Resp: 35671

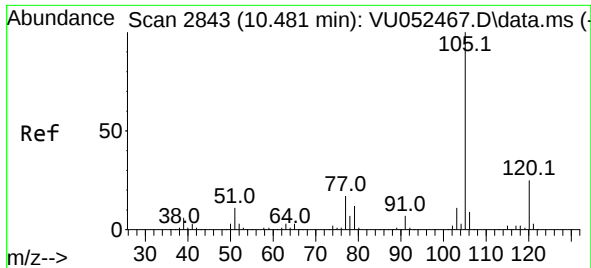
Ion Ratio Lower Upper

173 100

175 49.0 38.9 58.3

254 9.1 7.0 10.6

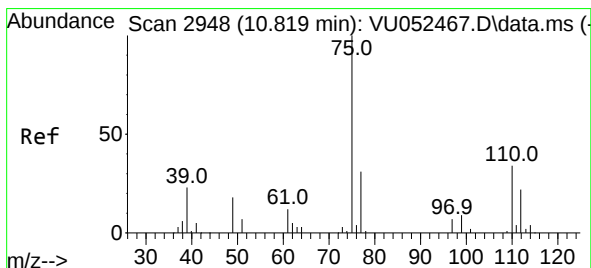
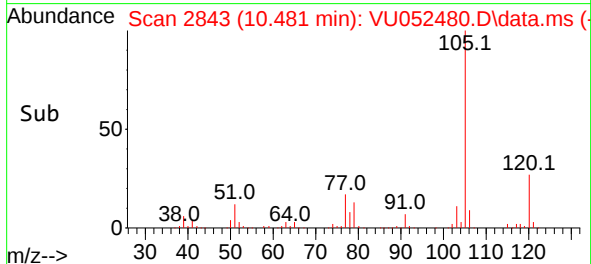
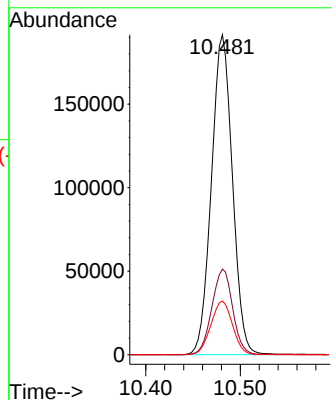
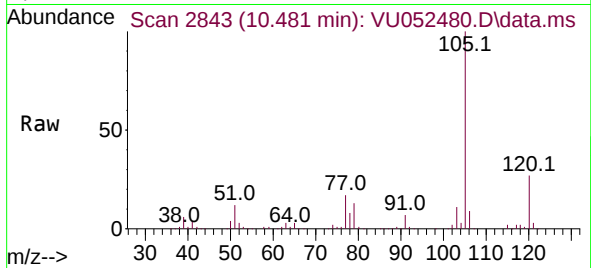




#60
Isopropylbenzene
Concen: 5.160 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

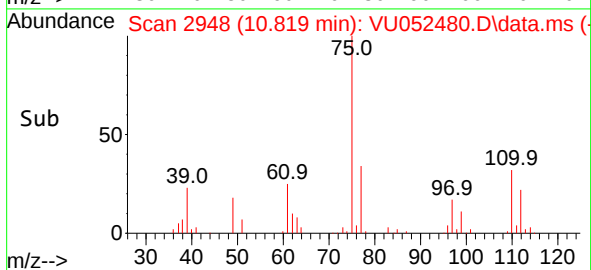
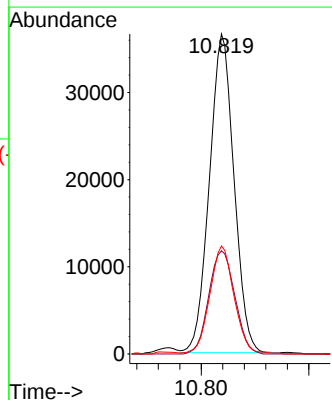
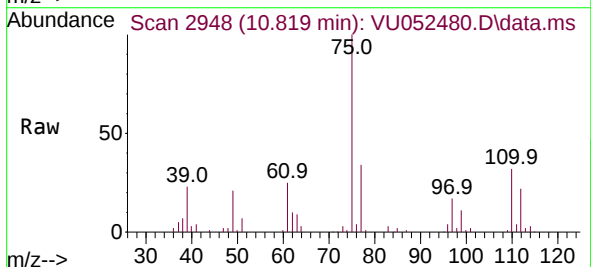
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

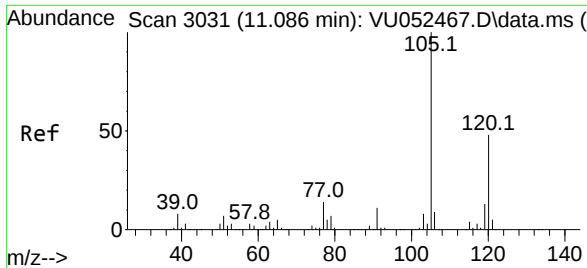
Tgt Ion:105 Resp: 295555
Ion Ratio Lower Upper
105 100
120 26.5 20.6 31.0
77 17.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.576 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 75 Resp: 57997
Ion Ratio Lower Upper
75 100
110 34.2 27.9 41.9
77 33.7 25.9 38.9

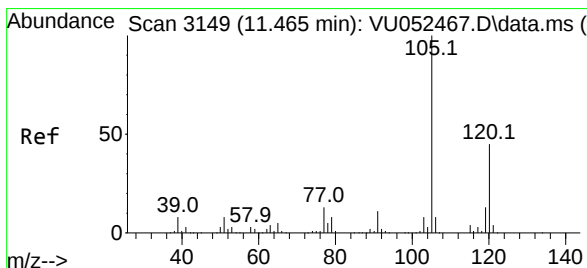
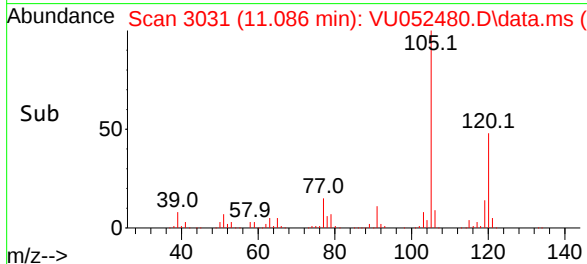
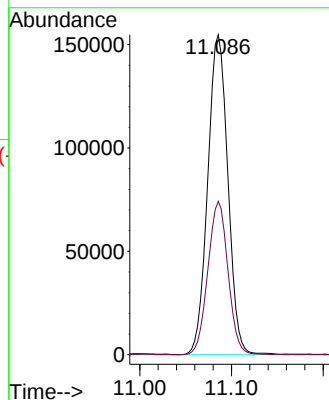
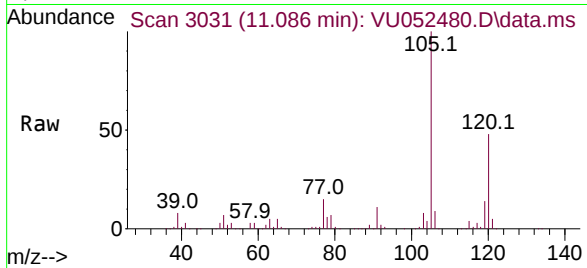




#62
1,3,5-Trimethylbenzene
Concen: 5.002 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

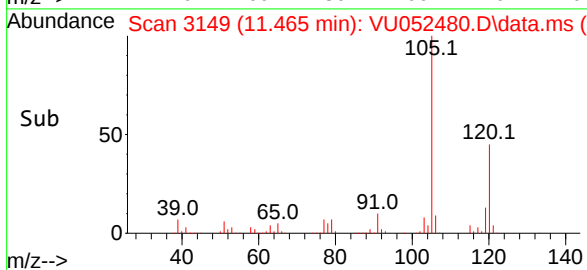
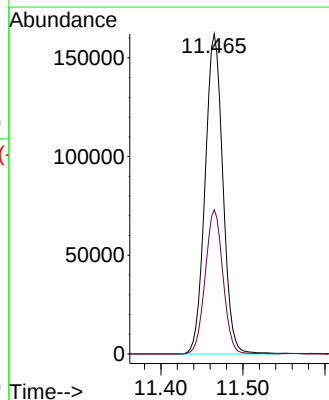
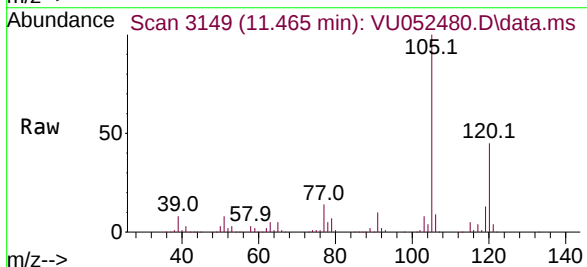
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

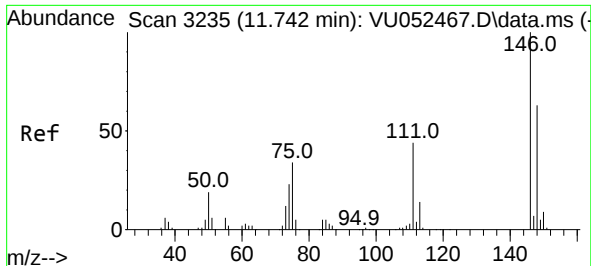
Tgt Ion:105 Resp: 236289
Ion Ratio Lower Upper
105 100
120 47.9 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 5.129 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion:105 Resp: 243909
Ion Ratio Lower Upper
105 100
120 44.9 35.6 53.4

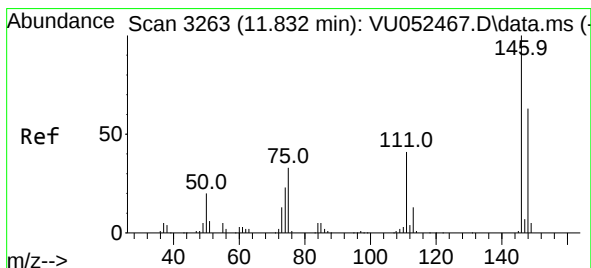
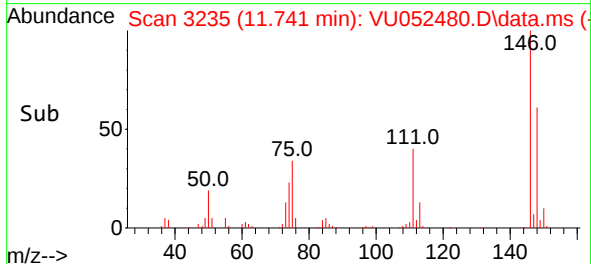
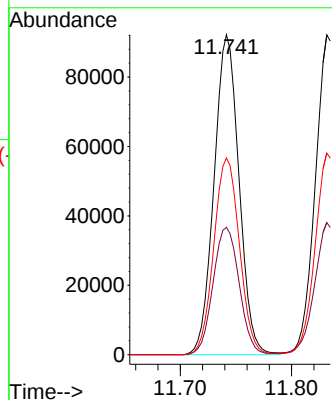
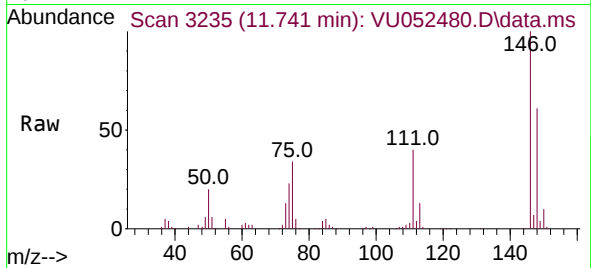




#64
 1,3-Dichlorobenzene
 Concen: 5.047 ug/L
 RT: 11.741 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

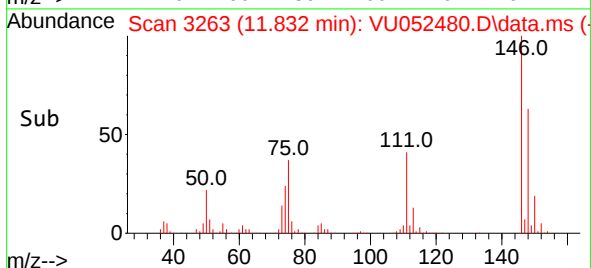
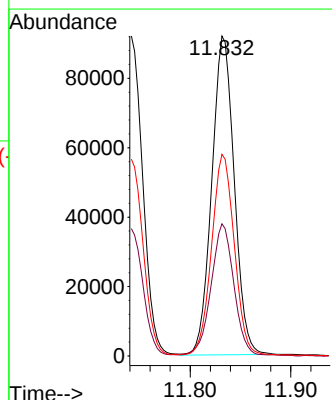
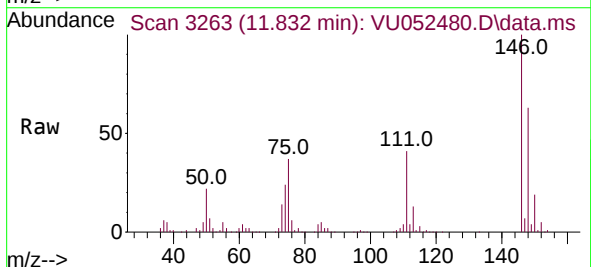
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005112

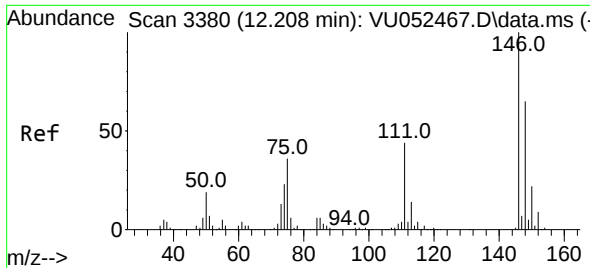
Tgt Ion:146 Resp: 143420
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.9 55.5
 148 61.5 43.4 80.6



#65
 1,4-Dichlorobenzene
 Concen: 4.855 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

Tgt Ion:146 Resp: 142683
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.5 51.1
 148 63.0 44.9 83.3

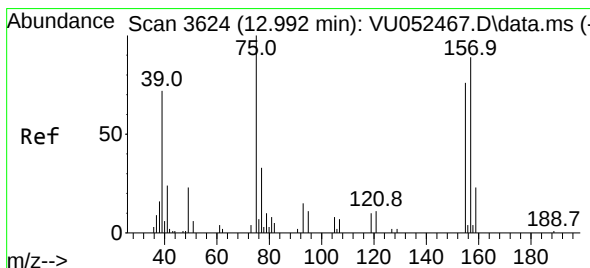
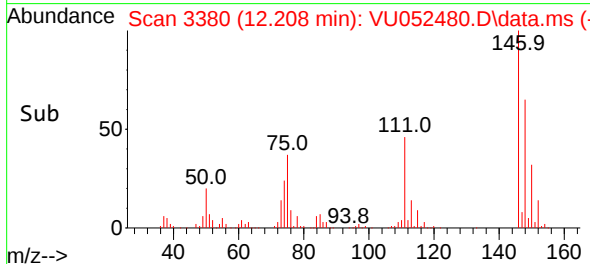
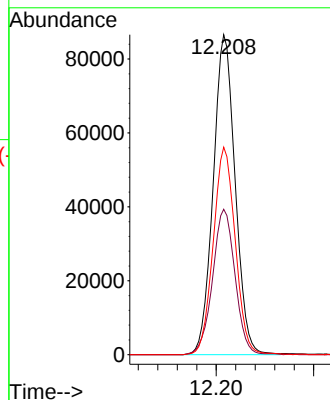
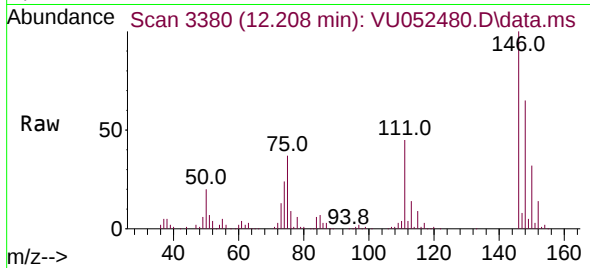




#67
1,2-Dichlorobenzene
Concen: 4.824 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

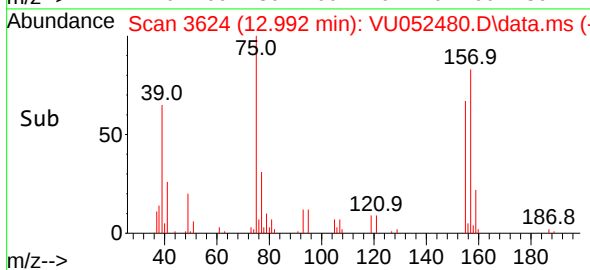
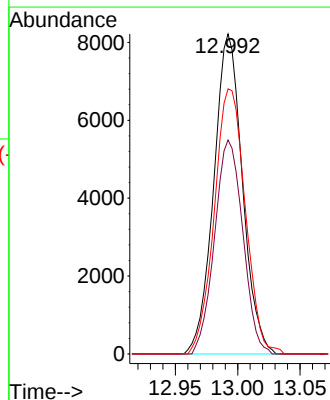
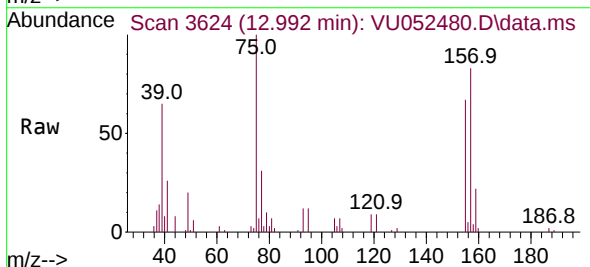
Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

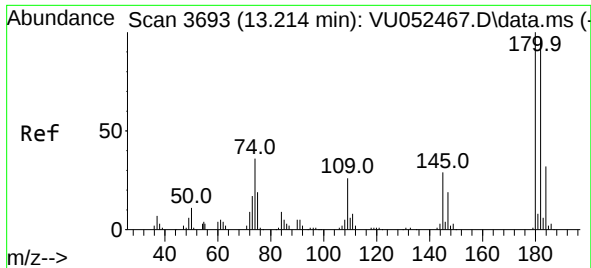
Tgt Ion:146 Resp: 135455
Ion Ratio Lower Upper
146 100
111 45.5 36.6 55.0
148 64.8 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 4.583 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion: 75 Resp: 13147
Ion Ratio Lower Upper
75 100
155 66.8 62.2 93.2
157 82.9 73.0 109.4

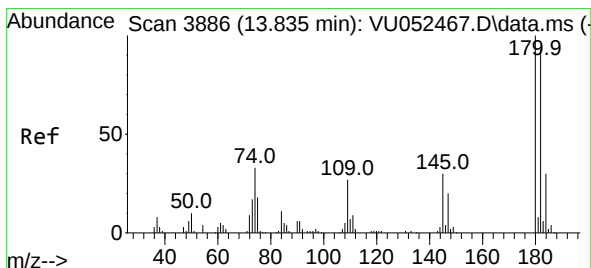
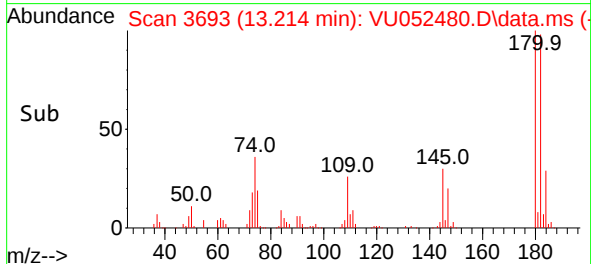
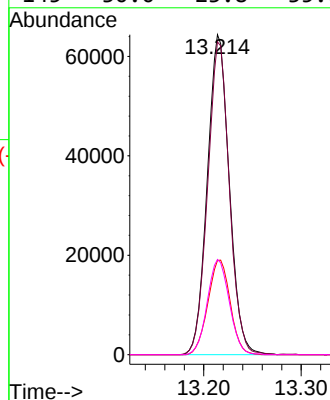
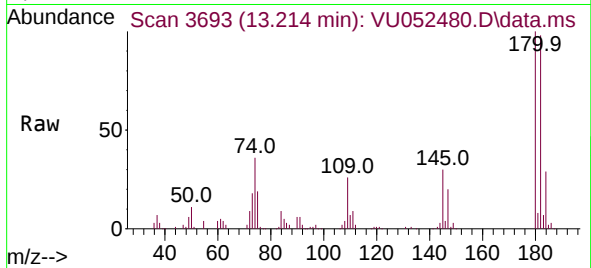




#69
 1,3,5-Trichlorobenzene
 Concen: 4.801 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

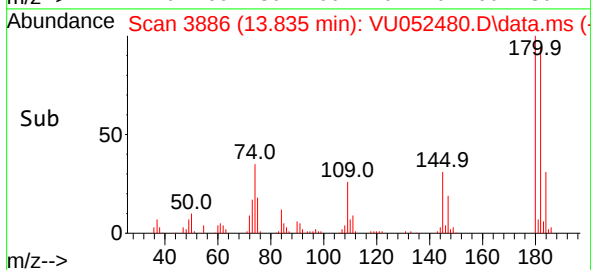
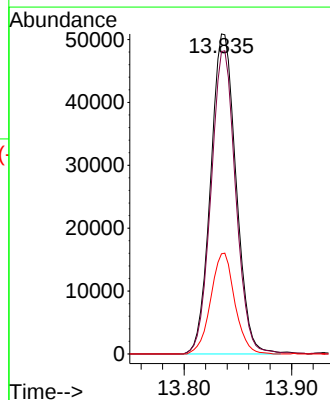
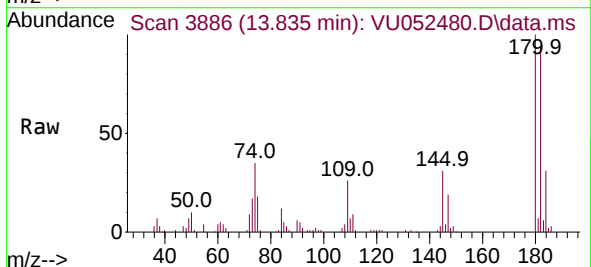
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005112

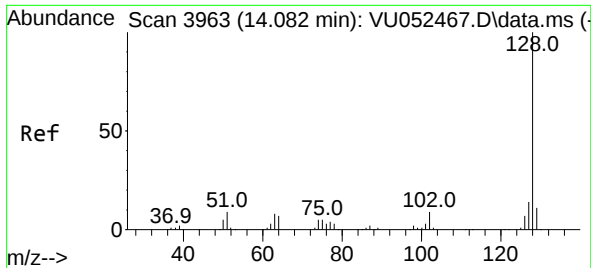
Tgt Ion:180 Resp: 100461
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.8 113.8
 184 30.1 23.4 35.0
 145 30.0 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052480.D
 Acq: 21 Dec 2022 16:34

Tgt Ion:180 Resp: 83527
 Ion Ratio Lower Upper
 180 100
 182 92.1 77.7 116.5
 145 29.8 24.0 36.0

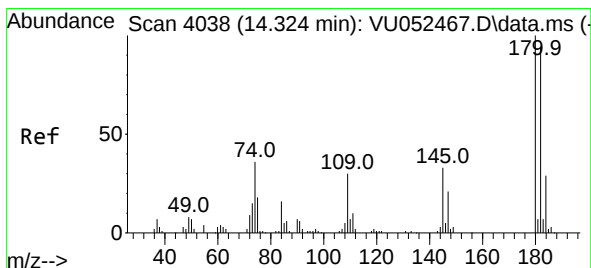
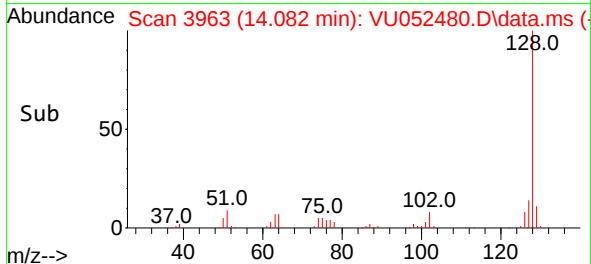
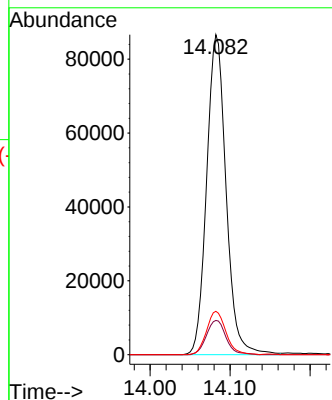
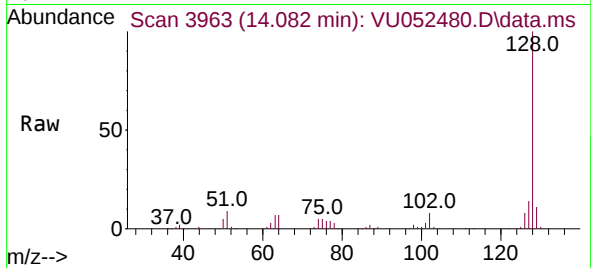




#71
Naphthalene
Concen: 4.117 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD005112

Tgt Ion:128 Resp: 146677
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.6 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.650 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU052480.D
Acq: 21 Dec 2022 16:34

Tgt Ion:180 Resp: 82069
Ion Ratio Lower Upper
180 100
182 93.6 76.3 114.5
145 31.5 25.8 38.8

