

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053216.D
 Acq On : 16 Mar 2023 10:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050161

Quant Time: Mar 17 02:32:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	159704	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	156416	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	83968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	66307	45.004	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.000%
7) Chloroethane-d5	1.913	69	67012	56.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.460%
11) 1,1-Dichloroethene-d2	2.565	63	121154	47.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.940%
21) 2-Butanone-d5	4.626	46	69020	101.002	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.000%
24) Chloroform-d	5.057	84	116446	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
26) 1,2-Dichloroethane-d4	5.697	65	71312	47.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.640%
32) Benzene-d6	5.723	84	233794	46.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
36) 1,2-Dichloropropane-d6	6.684	67	77728	47.470	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.940%
41) Toluene-d8	7.893	98	215962	45.721	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
43) trans-1,3-Dichloroprop...	8.176	79	37055	45.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.740%
47) 2-Hexanone-d5	8.636	63	53958	105.404	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.400%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	109246	51.503	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	76760	47.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	88803	53.271	ug/L	100
3) Chloromethane	1.520	50	80905	52.671	ug/L	100
5) Vinyl chloride	1.604	62	86815	51.666	ug/L	97
6) Bromomethane	1.858	94	51396	50.885	ug/L	98
8) Chloroethane	1.932	64	63650	64.128	ug/L	98
9) Trichlorofluoromethane	2.134	101	112315	53.572	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	66406	52.362	ug/L	98
12) 1,1-Dichloroethene	2.578	96	58581	49.947	ug/L	93
13) Acetone	2.636	43	79927	102.697	ug/L	99
14) Carbon disulfide	2.790	76	182020	51.239	ug/L	100
15) Methyl Acetate	2.948	43	55956	52.454	ug/L	100
16) Methylene chloride	3.041	84	72123	50.689	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	60458	50.804	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	208080	52.000	ug/L	99
19) 1,1-Dichloroethane	3.864	63	123188	50.712	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	72995	52.224	ug/L	98
22) 2-Butanone	4.707	43	95349	107.536	ug/L	99
23) Bromochloromethane	4.970	128	33294	49.956	ug/L	95
25) Chloroform	5.083	83	124212	51.099	ug/L	98

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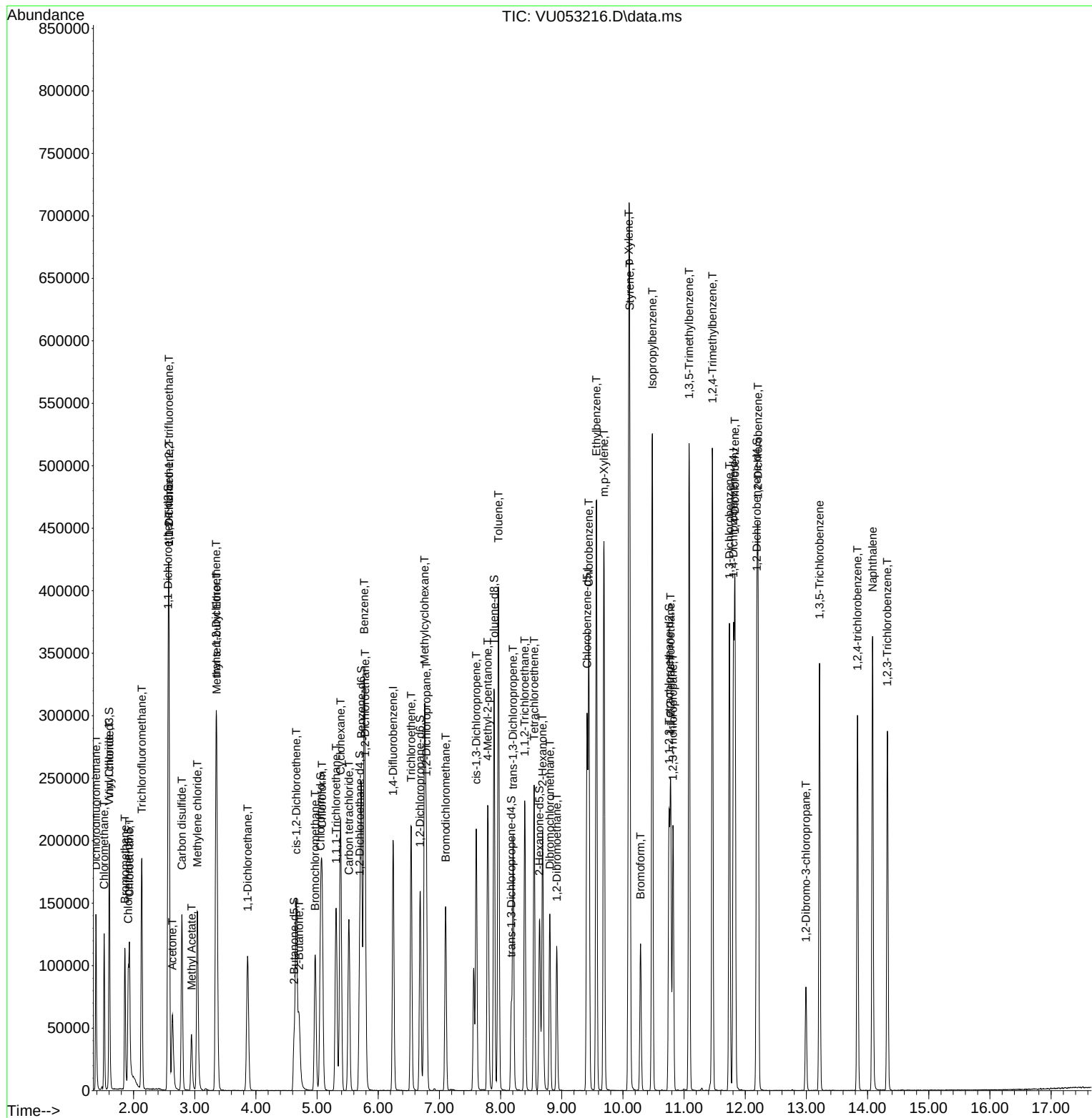
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	97563	50.844	ug/L	98
29) Cyclohexane	5.385	56	118666	50.915	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	105432	49.451	ug/L	98
31) Carbon tetrachloride	5.520	117	87220	49.934	ug/L	100
33) Benzene	5.771	78	274622	50.642	ug/L	100
34) Trichloroethene	6.539	95	71076	50.267	ug/L	98
35) Methylcyclohexane	6.758	83	125821	50.765	ug/L	99
37) 1,2-Dichloropropane	6.787	63	77778	51.409	ug/L	100
38) Bromodichloromethane	7.102	83	94283	50.075	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	126797	51.011	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	164043	105.489	ug/L	99
42) Toluene	7.964	91	296497	50.858	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	115430	50.802	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	71246	51.716	ug/L	97
46) Tetrachloroethene	8.549	164	46386	50.424	ug/L	97
48) 2-Hexanone	8.687	43	136582	104.885	ug/L	98
49) Dibromochloromethane	8.806	129	70493	50.022	ug/L	97
50) 1,2-Dibromoethane	8.919	107	75253	51.265	ug/L	99
51) Chlorobenzene	9.443	112	185854	51.150	ug/L	99
52) Ethylbenzene	9.568	91	338644	51.222	ug/L	99
53) m,p-Xylene	9.690	106	126596	51.304	ug/L	98
54) o-Xylene	10.095	106	126506	51.835	ug/L	99
55) Styrene	10.112	104	213597	52.513	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	121580	53.829	ug/L	97
59) Bromoform	10.288	173	48572	50.831	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	88105	52.804	ug/L	99
61) Isopropylbenzene	10.481	105	341151	51.421	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	281833	51.320	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	276799	51.710	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	140717	50.574	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	142815	51.128	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	142537	51.254	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	23553	51.048	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	92091	52.204	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	80358	50.697	ug/L	99
71) Naphthalene	14.082	128	287954	53.899	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	76806	51.096	ug/L	99

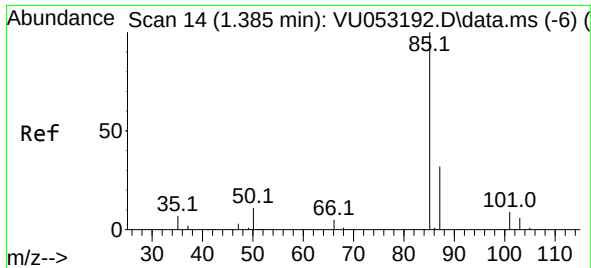
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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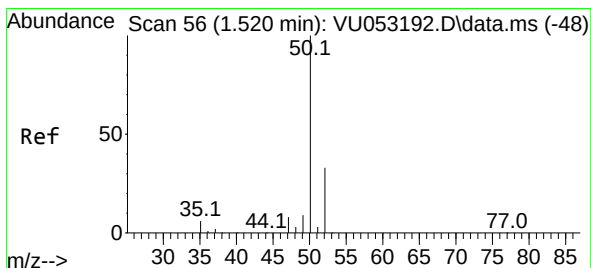
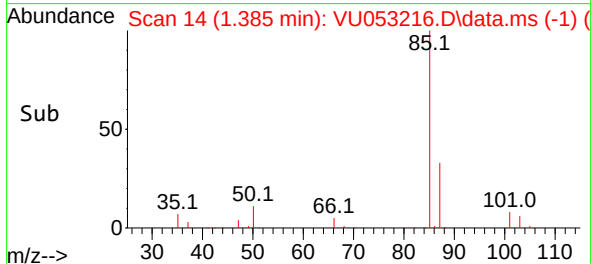
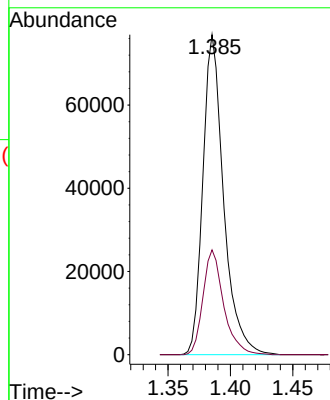
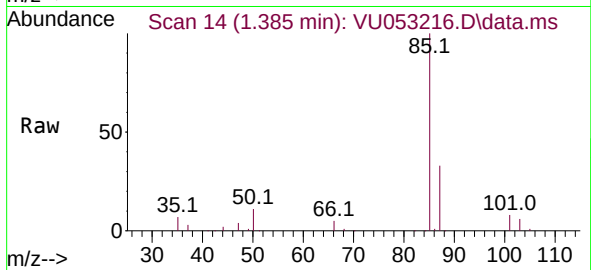




#2
 Dichlorodifluoromethane
 Concen: 53.271 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053216.D
 Acq: 16 Mar 2023 10:16

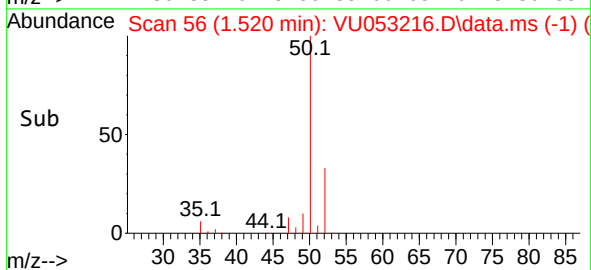
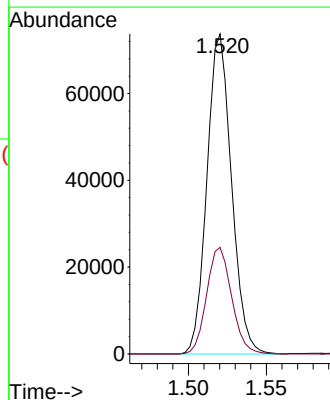
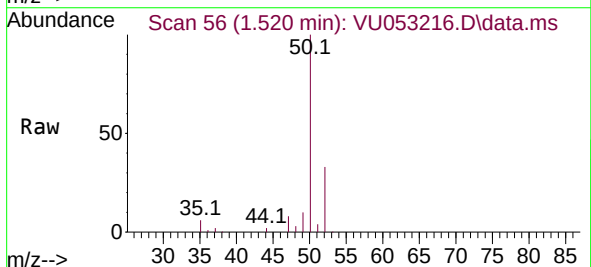
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050161

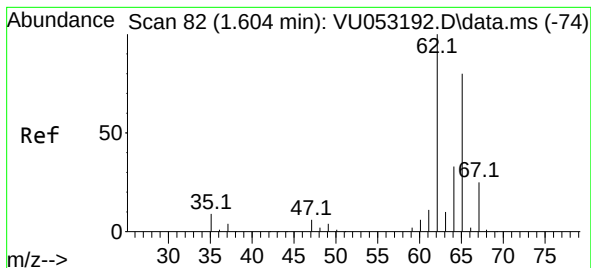
Tgt Ion: 85 Resp: 88803
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.8



#3
 Chloromethane
 Concen: 52.671 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053216.D
 Acq: 16 Mar 2023 10:16

Tgt Ion: 50 Resp: 80905
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 51.666 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

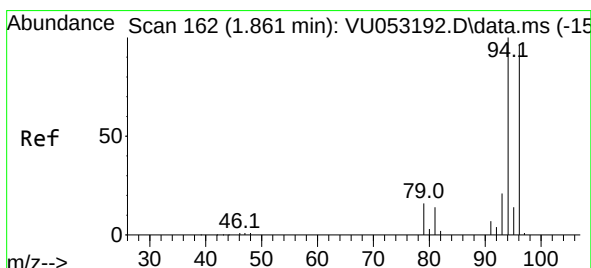
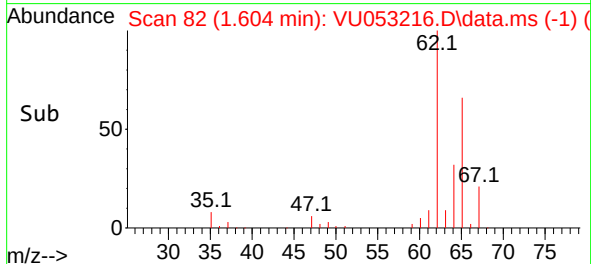
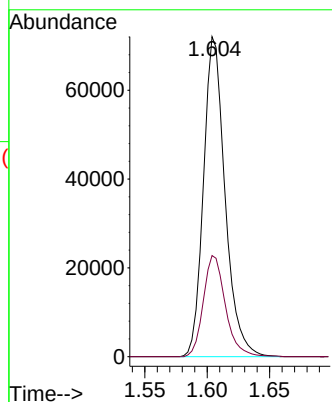
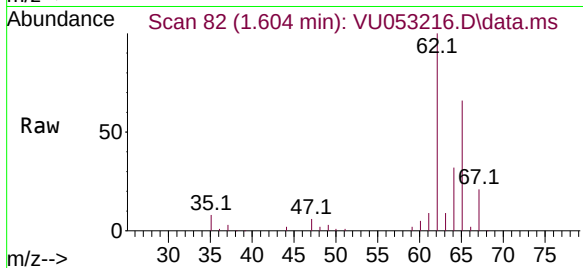
VSTD050161

Tgt Ion: 62 Resp: 86815

Ion Ratio Lower Upper

62 100

64 31.6 23.2 43.0



#6

Bromomethane

Concen: 50.885 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.003 min

Lab File: VU053216.D

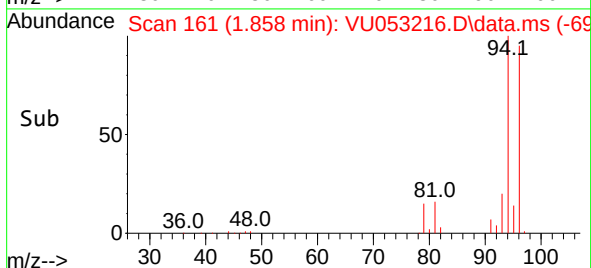
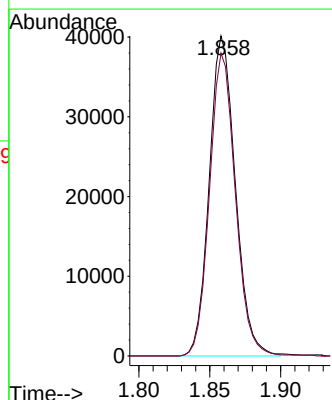
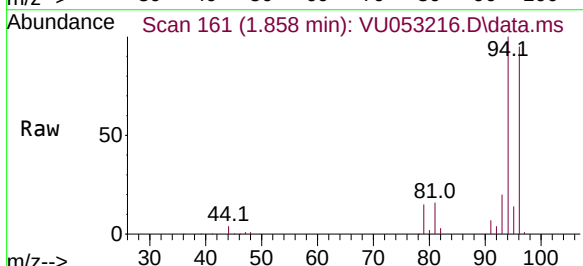
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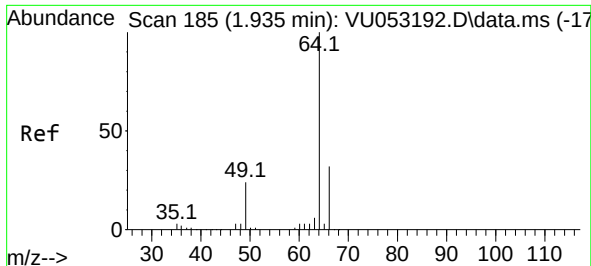
Tgt Ion: 94 Resp: 51396

Ion Ratio Lower Upper

94 100

96 94.7 67.5 125.3





#8

Chloroethane

Concen: 64.128 ug/L

RT: 1.932 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

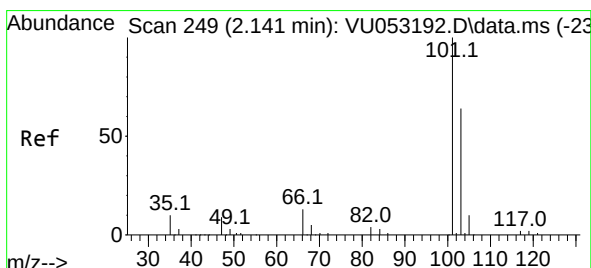
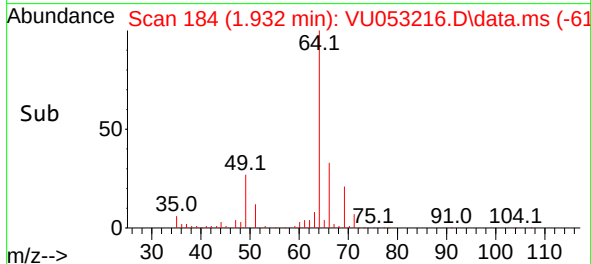
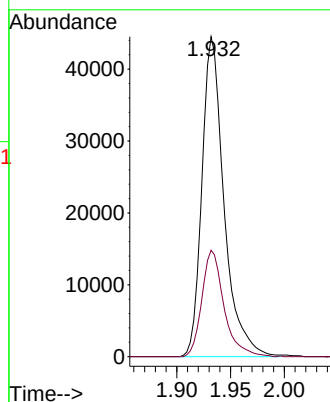
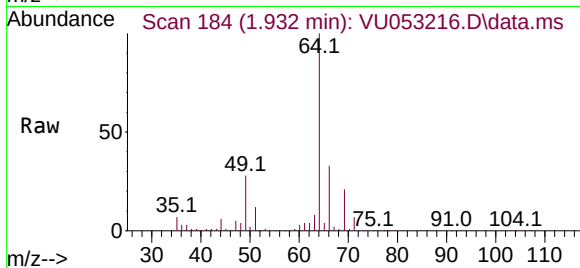
VSTD050161

Tgt Ion: 64 Resp: 63650

Ion Ratio Lower Upper

64 100

66 33.3 22.6 42.0



#9

Trichlorofluoromethane

Concen: 53.572 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.006 min

Lab File: VU053216.D

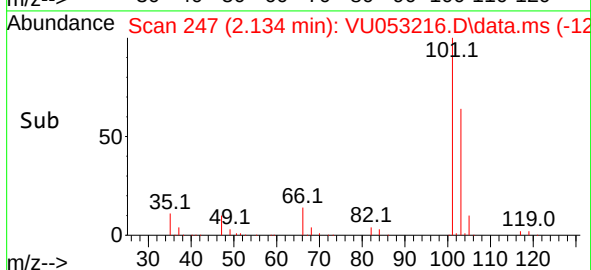
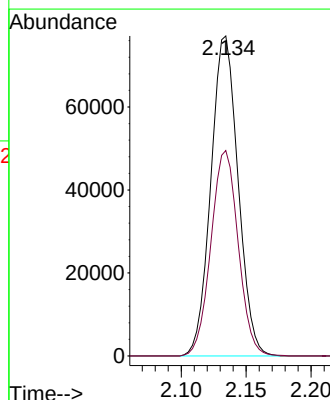
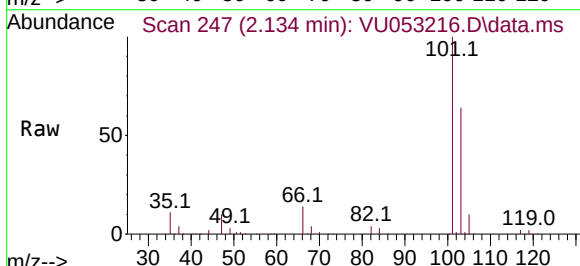
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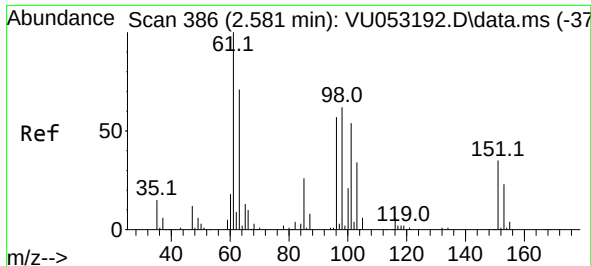
Tgt Ion:101 Resp: 112315

Ion Ratio Lower Upper

101 100

103 64.3 52.0 78.0

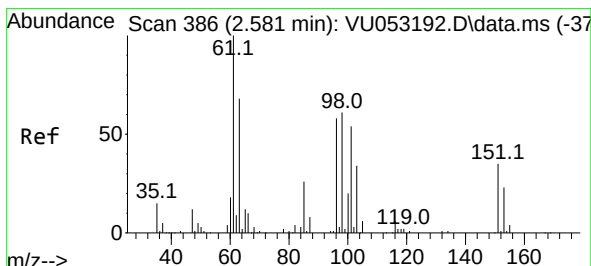
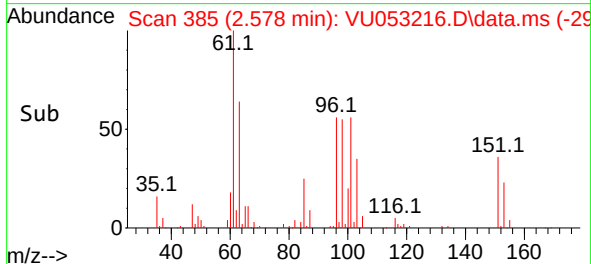
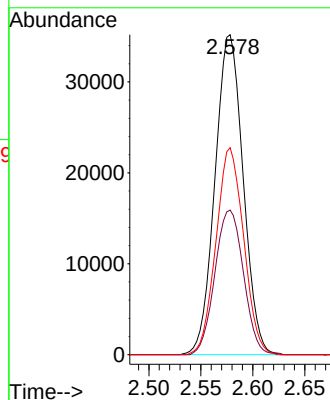
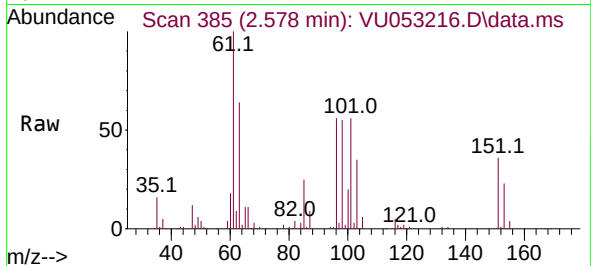




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 52.362 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053216.D
 Acq: 16 Mar 2023 10:16

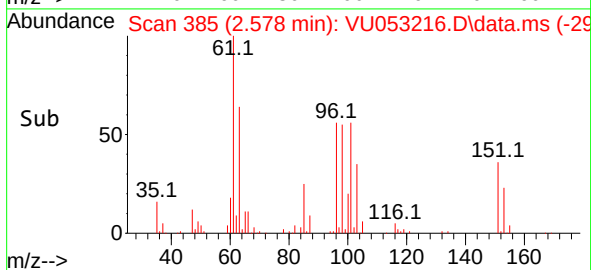
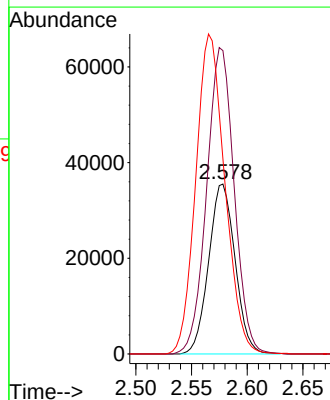
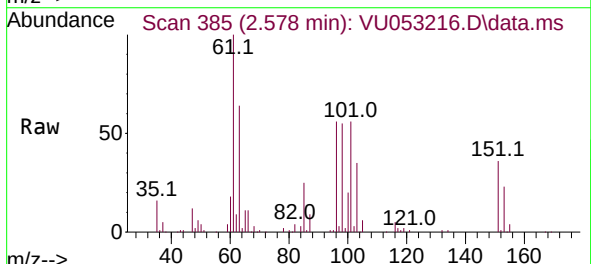
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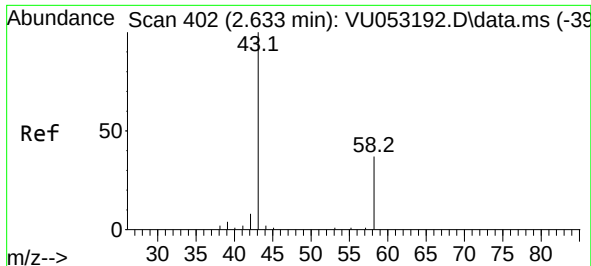
Tgt Ion:101 Resp: 66406
 Ion Ratio Lower Upper
 101 100
 85 45.7 37.0 55.6
 151 63.5 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 49.947 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053216.D
 Acq: 16 Mar 2023 10:16

Tgt Ion: 96 Resp: 58581
 Ion Ratio Lower Upper
 96 100
 61 178.5 122.2 226.9
 63 114.7 89.9 166.9





#13

Acetone

Concen: 102.697 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

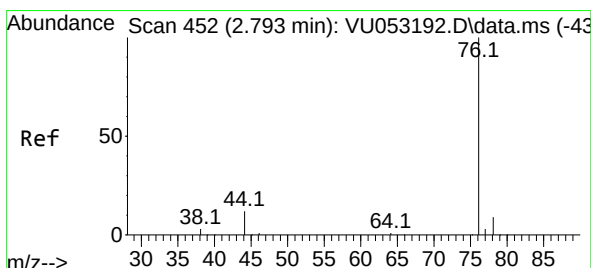
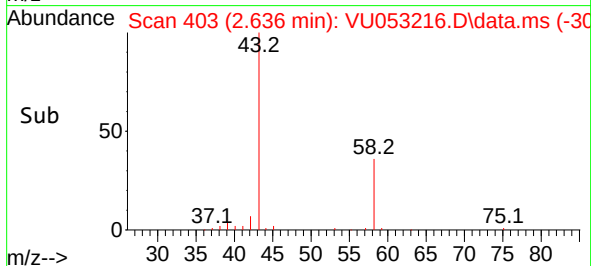
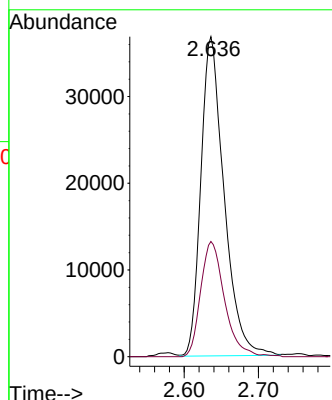
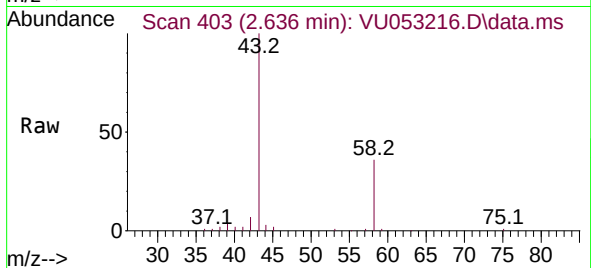
VSTD050161

Tgt Ion: 43 Resp: 79927

Ion Ratio Lower Upper

43 100

58 36.9 0.0 75.0



#14

Carbon disulfide

Concen: 51.239 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053216.D

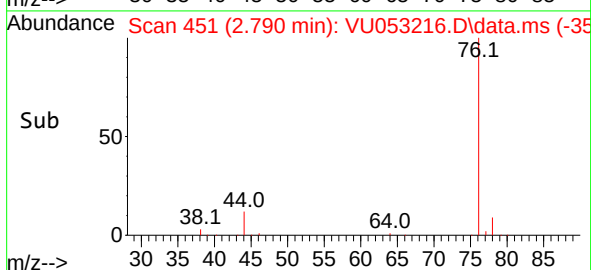
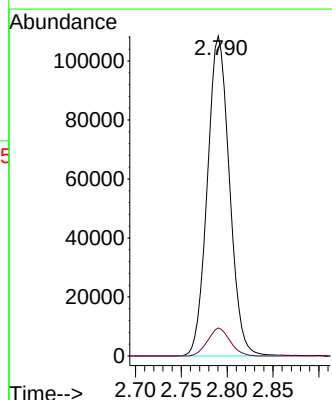
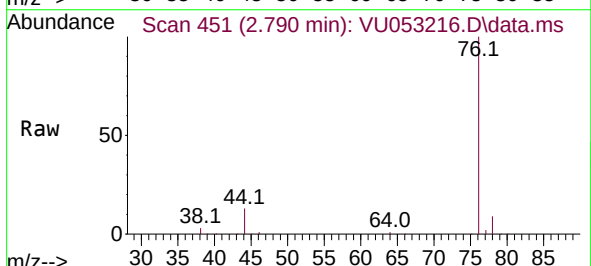
Acq: 16 Mar 2023 10:16

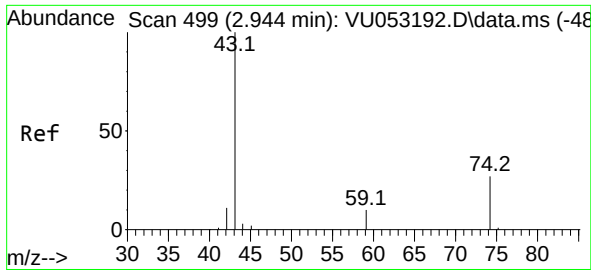
Tgt Ion: 76 Resp: 182020

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

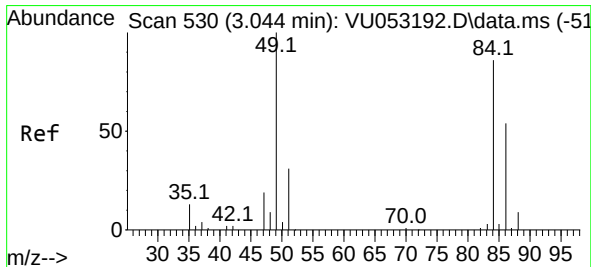
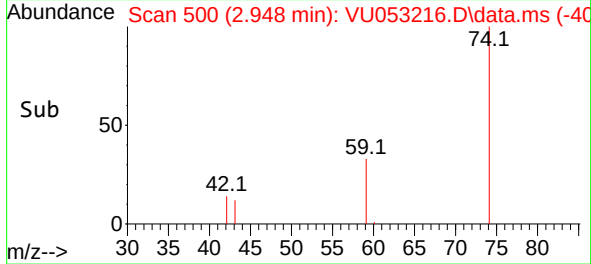
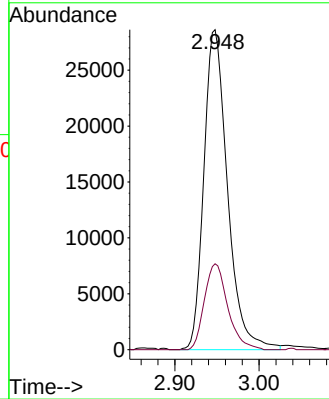
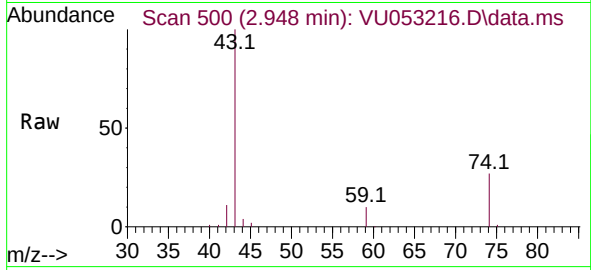




#15
Methyl Acetate
Concen: 52.454 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

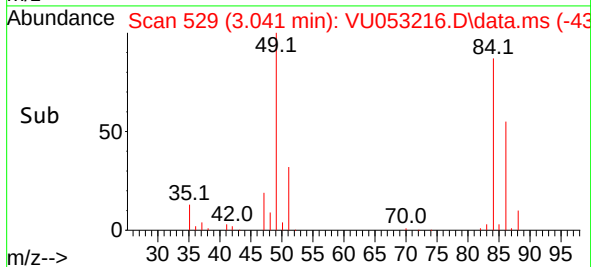
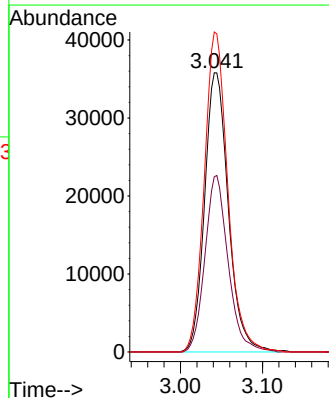
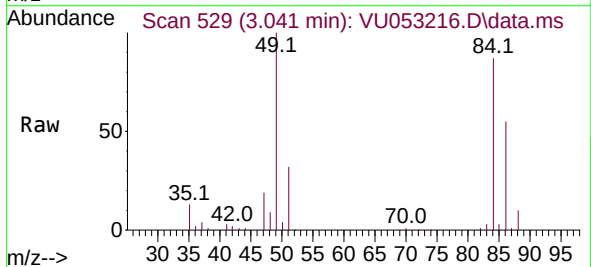
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

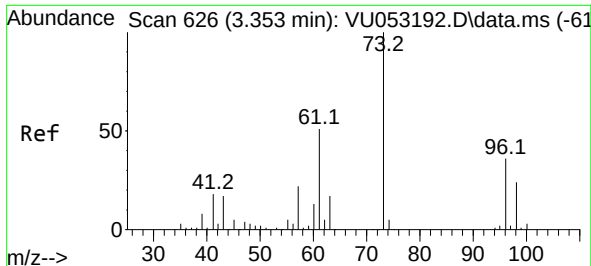
Tgt Ion: 43 Resp: 55956
Ion Ratio Lower Upper
43 100
74 26.5 21.4 32.0



#16
Methylene chloride
Concen: 50.689 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 84 Resp: 72123
Ion Ratio Lower Upper
84 100
86 62.7 44.4 82.4
49 114.6 81.6 151.6

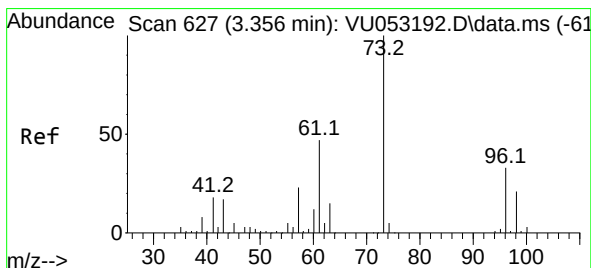
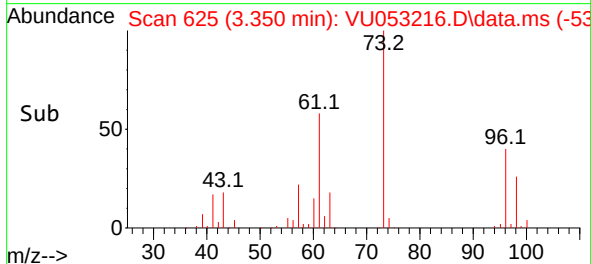
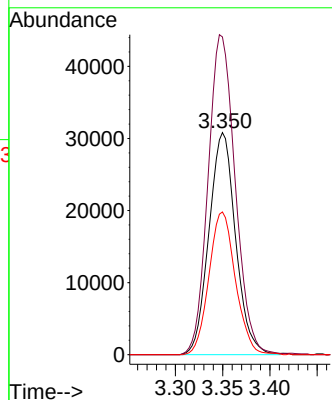
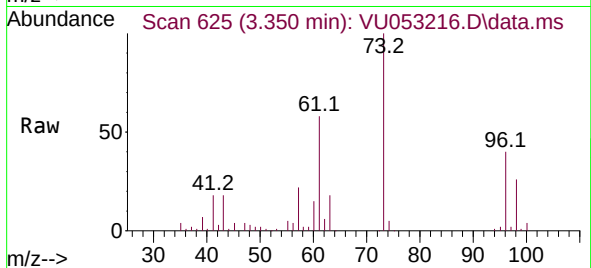




#17
trans-1,2-Dichloroethene
Concen: 50.804 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

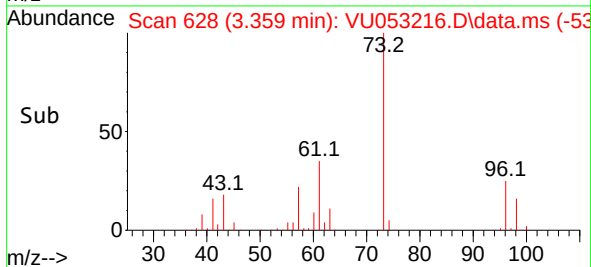
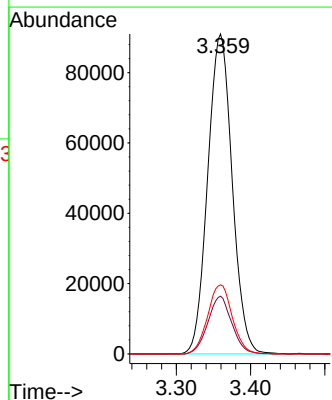
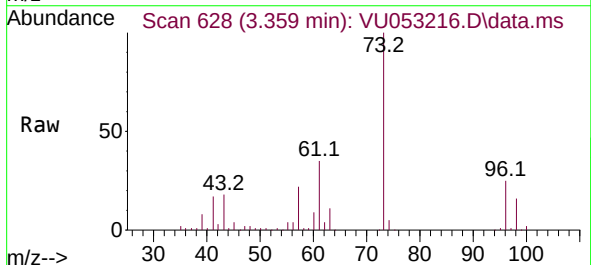
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

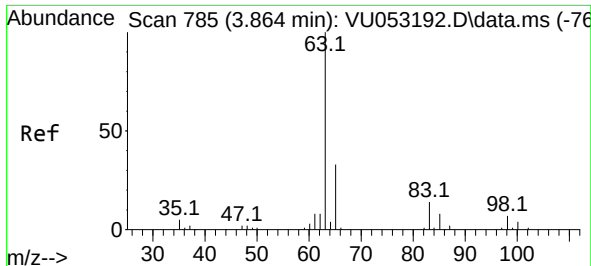
Tgt Ion: 96 Resp: 60458
Ion Ratio Lower Upper
96 100
61 143.1 99.6 185.0
98 64.2 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 52.000 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 73 Resp: 208080
Ion Ratio Lower Upper
73 100
43 17.6 14.2 21.2
57 21.9 18.0 27.0

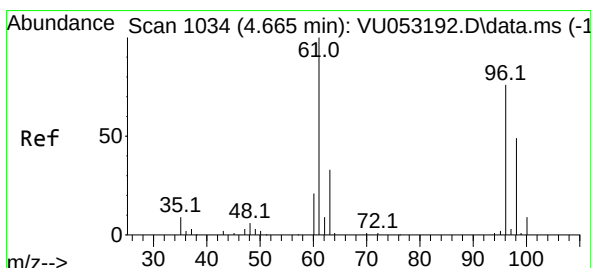
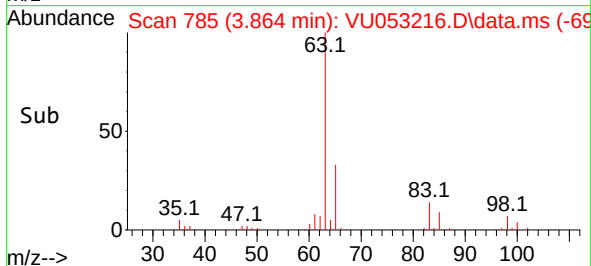
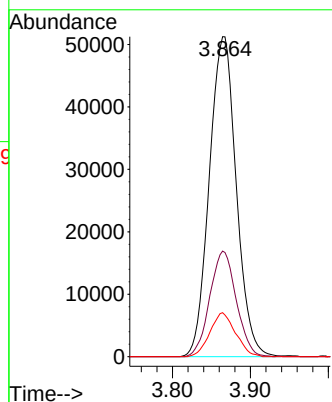
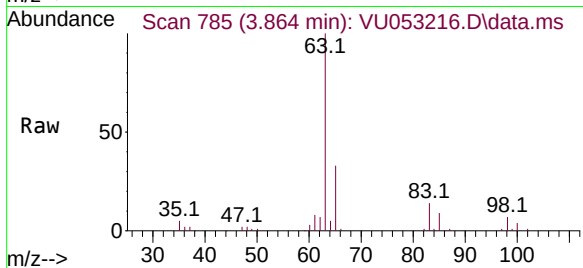




#19
1,1-Dichloroethane
Concen: 50.712 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

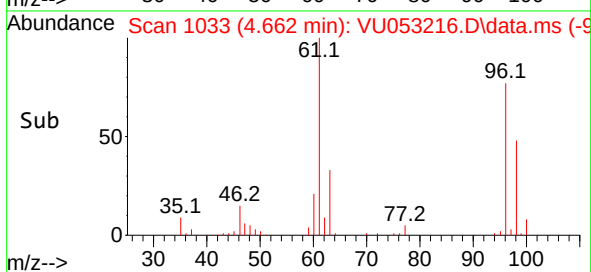
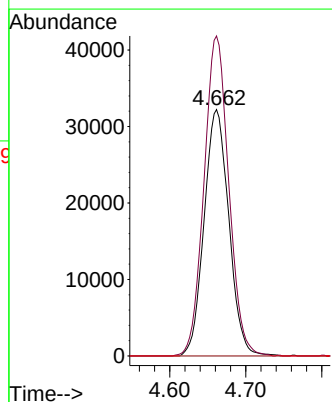
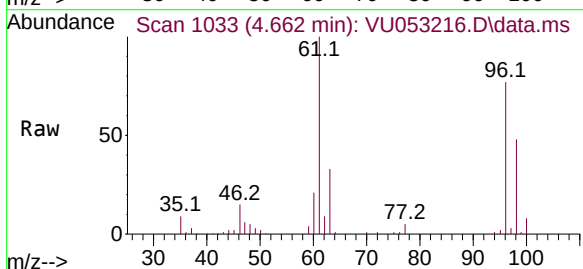
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

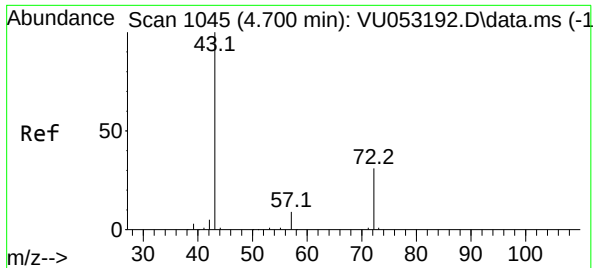
Tgt Ion: 63 Resp: 123188
Ion Ratio Lower Upper
63 100
65 33.0 22.8 42.4
83 13.8 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 52.224 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 96 Resp: 72995
Ion Ratio Lower Upper
96 100
61 129.9 92.5 171.7
68 0.0 0.0 0.0

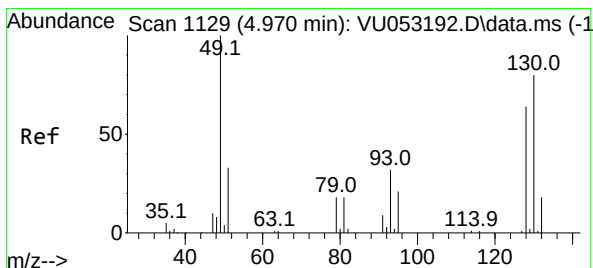
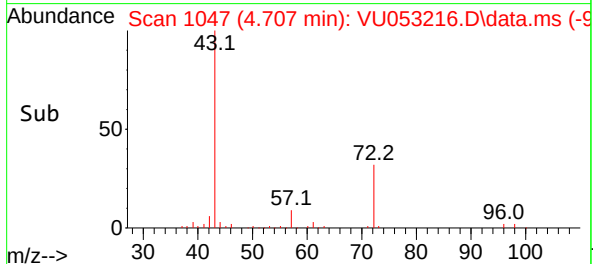
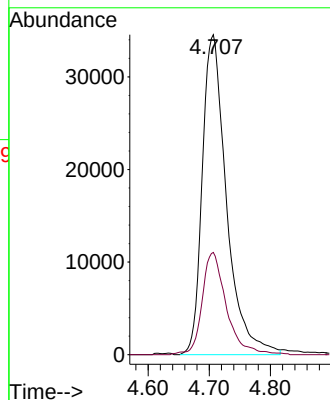
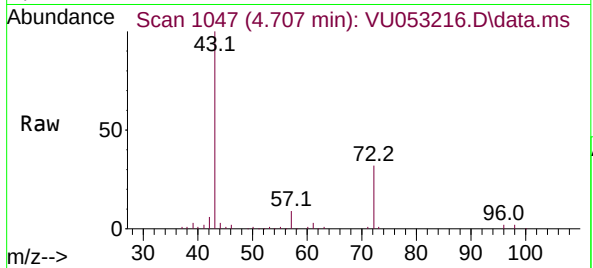




#22
2-Butanone
Concen: 107.536 ug/L
RT: 4.707 min Scan# 1045
Delta R.T. 0.007 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

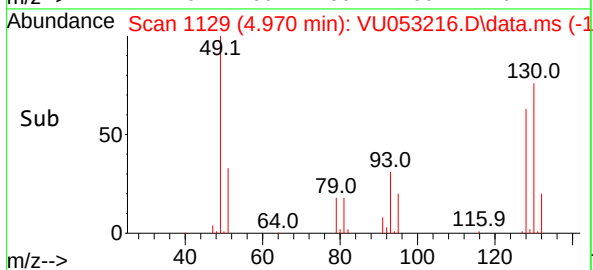
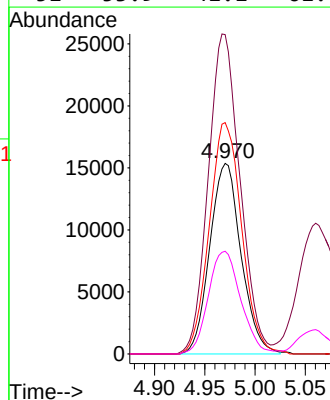
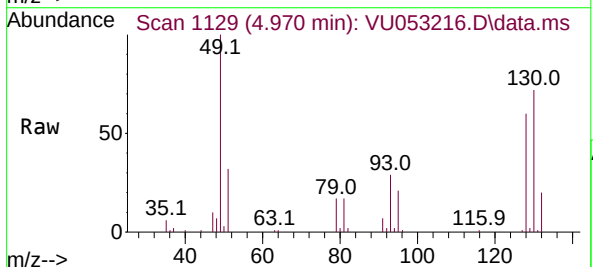
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

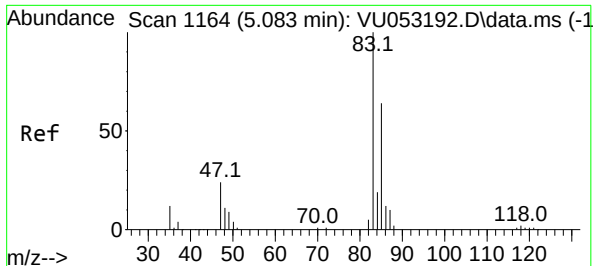
Tgt Ion: 43 Resp: 95349
Ion Ratio Lower Upper
43 100
72 31.4 16.0 47.9



#23
Bromochloromethane
Concen: 49.956 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:128 Resp: 33294
Ion Ratio Lower Upper
128 100
49 167.5 109.9 204.1
130 121.4 87.2 161.9
51 53.9 41.1 61.7





#25

Chloroform

Concen: 51.099 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

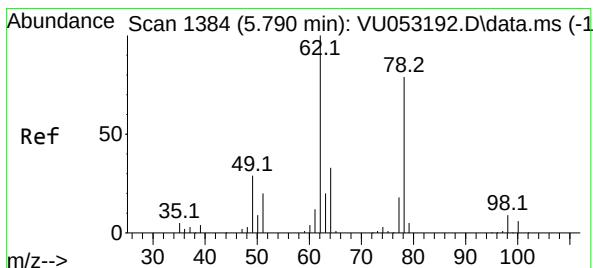
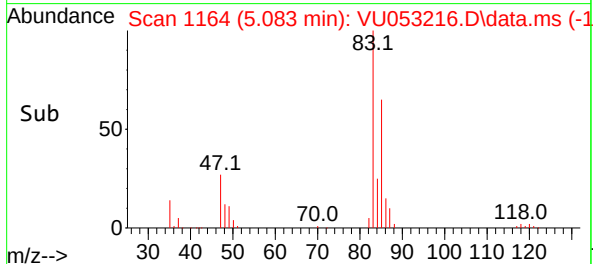
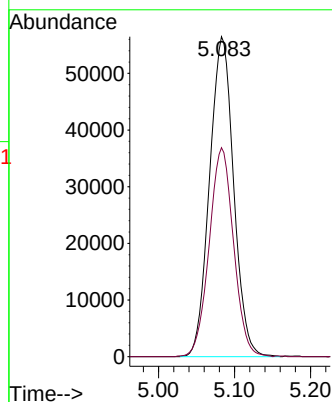
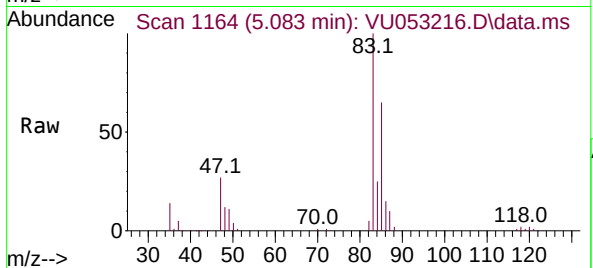
VSTD050161

Tgt Ion: 83 Resp: 124212

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 50.844 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053216.D

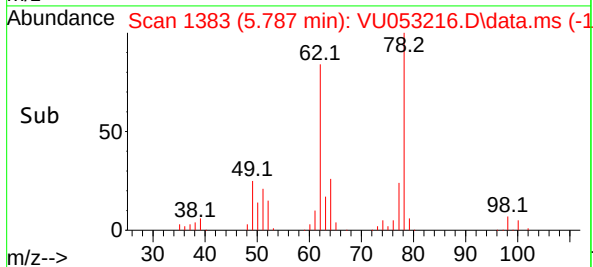
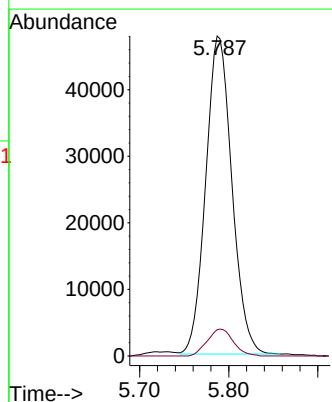
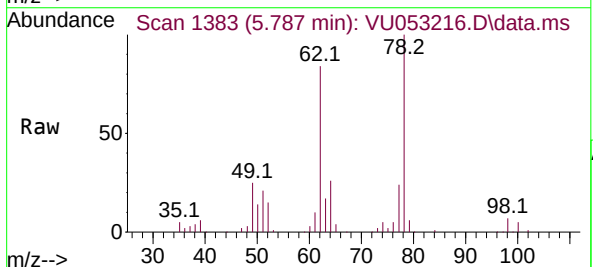
Acq: 16 Mar 2023 10:16

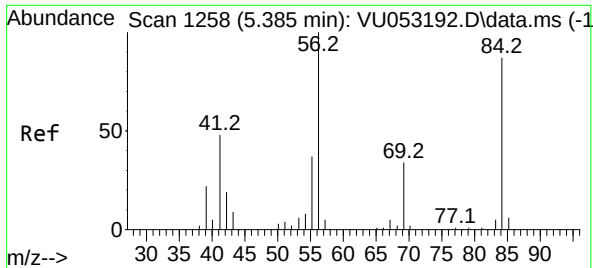
Tgt Ion: 62 Resp: 97563

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.6





#29

Cyclohexane

Concen: 50.915 ug/L

RT: 5.385 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD050161

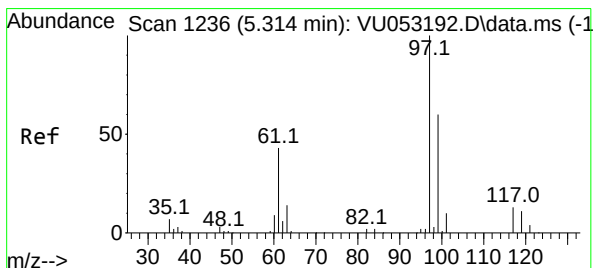
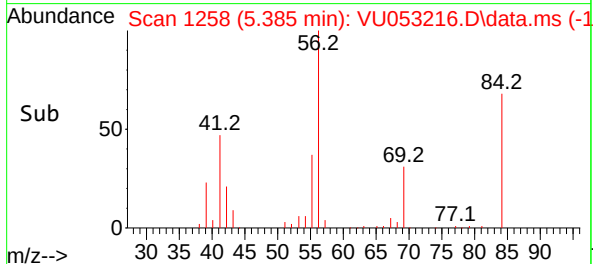
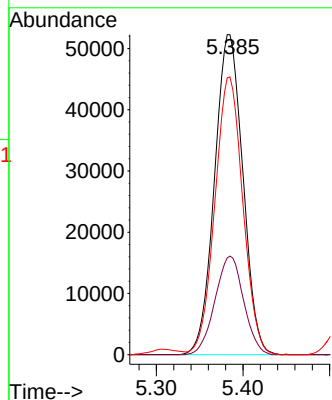
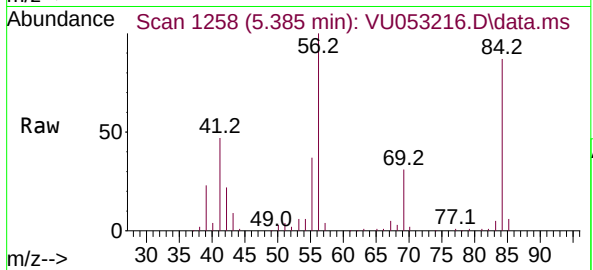
Tgt Ion: 56 Resp: 118666

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.0

84 85.7 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 49.451 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

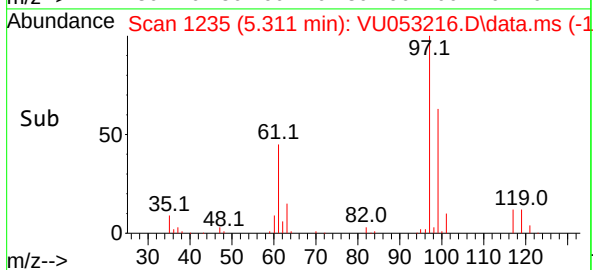
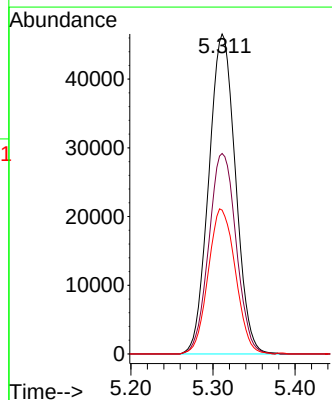
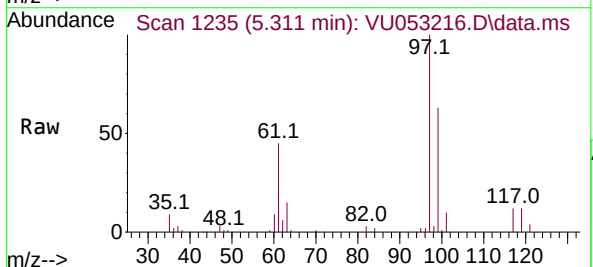
Tgt Ion: 97 Resp: 105432

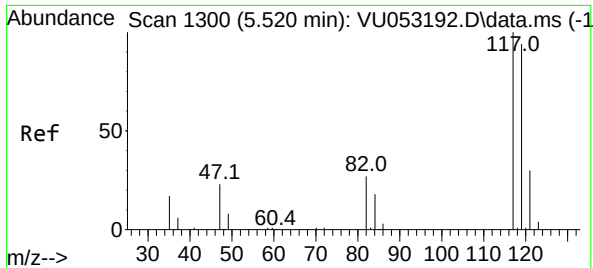
Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

61 46.3 36.0 54.0

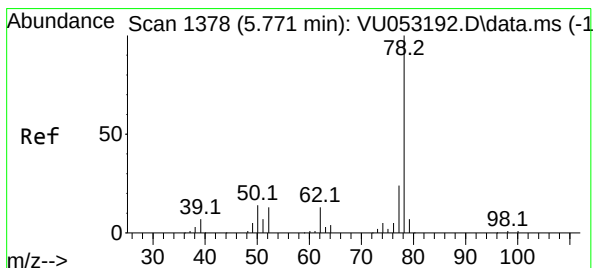
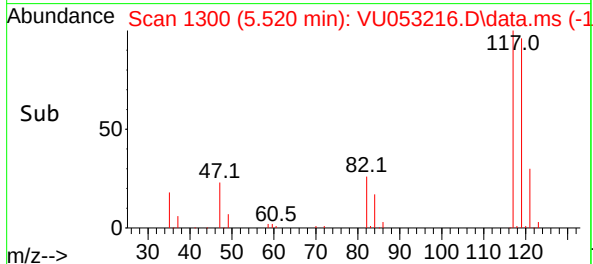
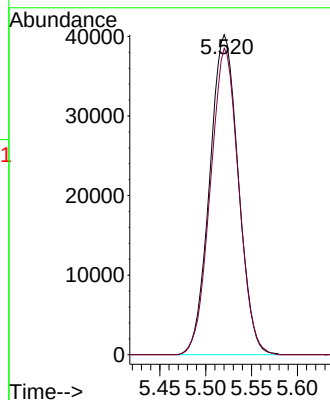
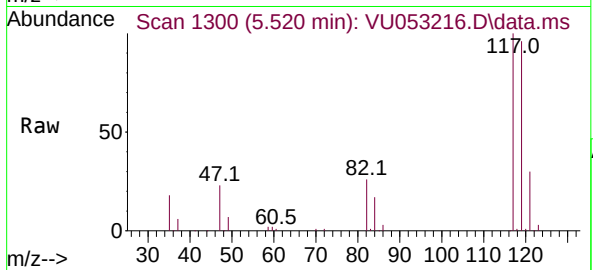




#31
Carbon tetrachloride
Concen: 49.934 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

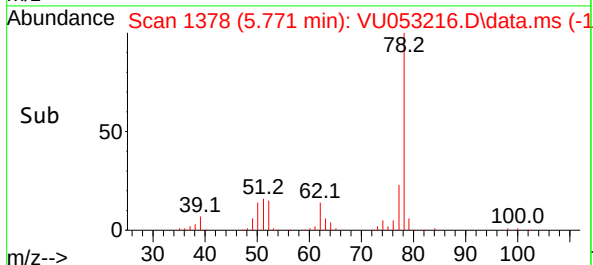
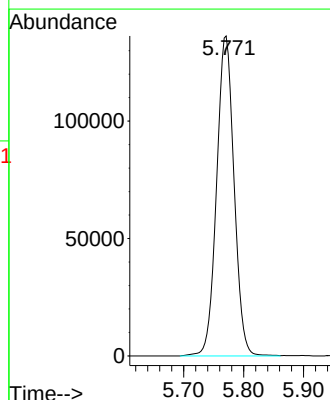
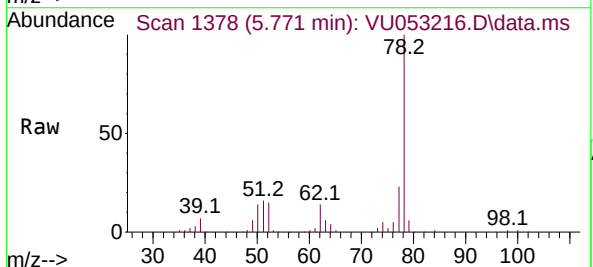
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

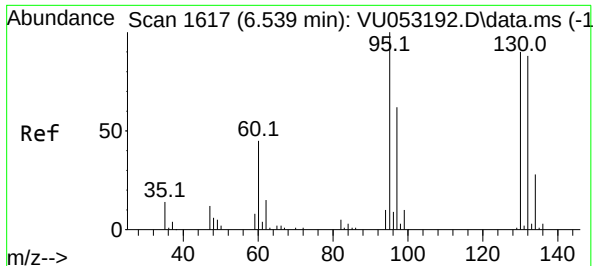
Tgt Ion:117 Resp: 87220
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.2



#33
Benzene
Concen: 50.642 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 78 Resp: 274622

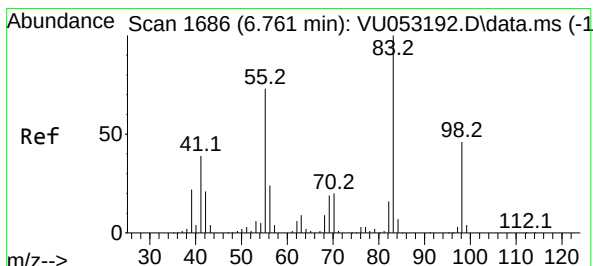
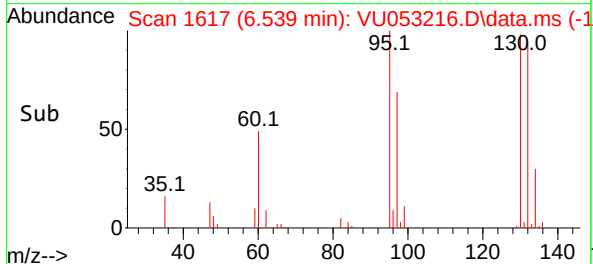
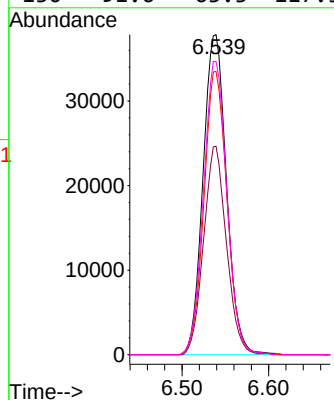
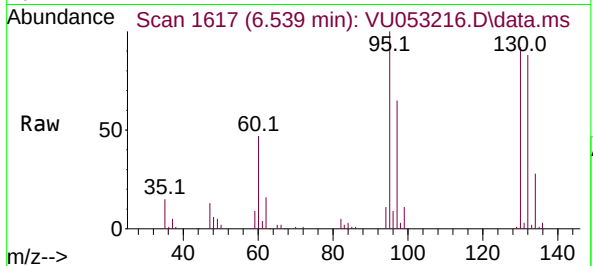




#34
Trichloroethene
Concen: 50.267 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

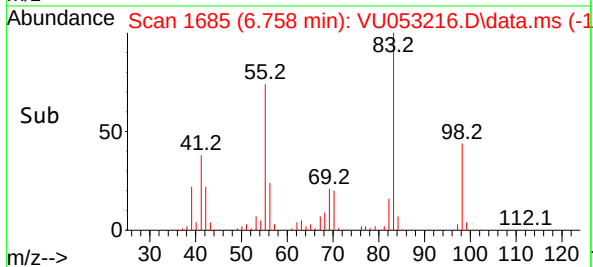
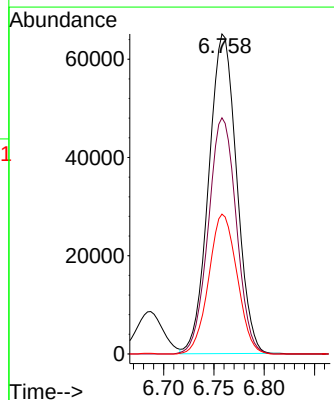
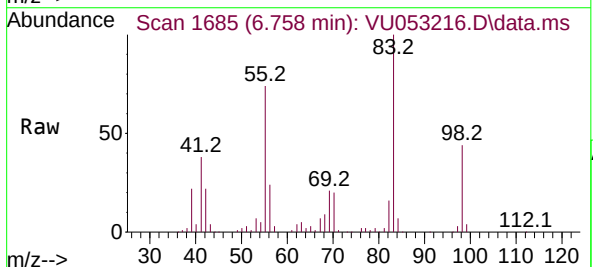
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

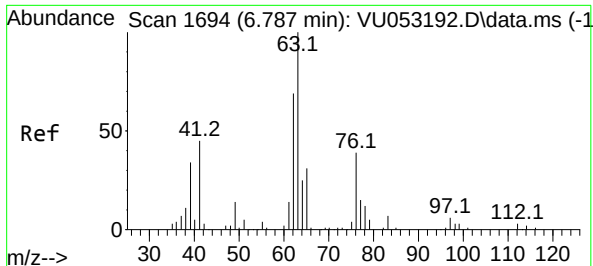
Tgt Ion: 95 Resp: 71076
Ion Ratio Lower Upper
95 100
97 65.1 43.8 81.3
132 88.5 61.5 114.3
130 91.6 63.3 117.5



#35
Methylcyclohexane
Concen: 50.765 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 83 Resp: 125821
Ion Ratio Lower Upper
83 100
55 74.1 58.2 87.4
98 44.3 35.4 53.2





#37

1,2-Dichloropropane

Concen: 51.409 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

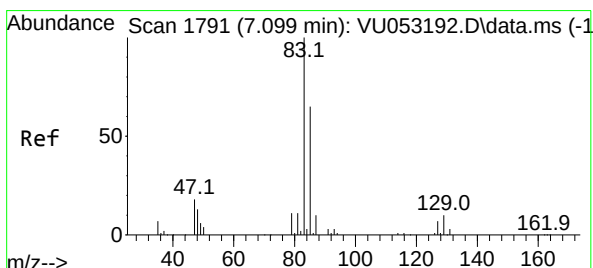
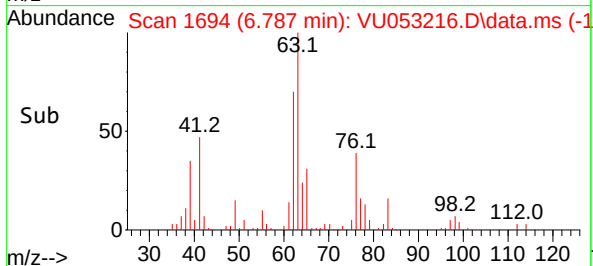
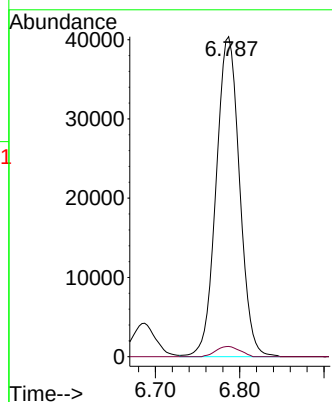
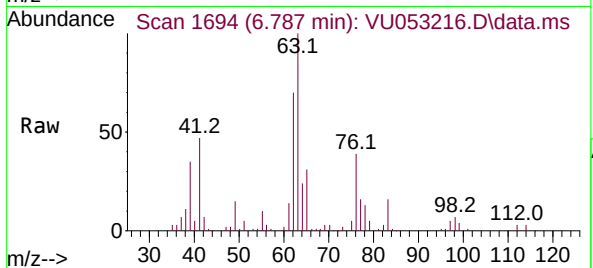
VSTD050161

Tgt Ion: 63 Resp: 77778

Ion Ratio Lower Upper

63 100

112 3.3 2.6 3.8



#38

Bromodichloromethane

Concen: 50.075 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

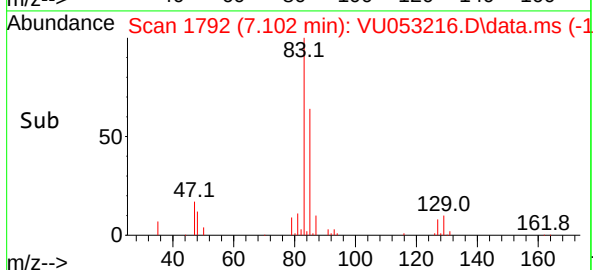
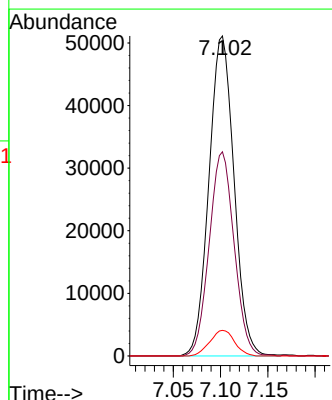
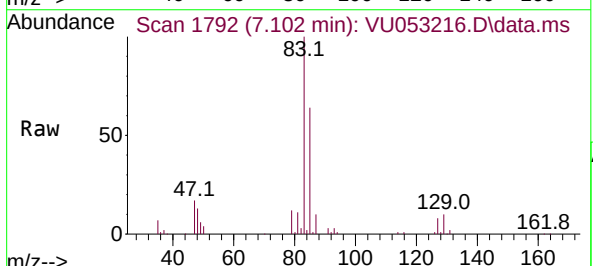
Tgt Ion: 83 Resp: 94283

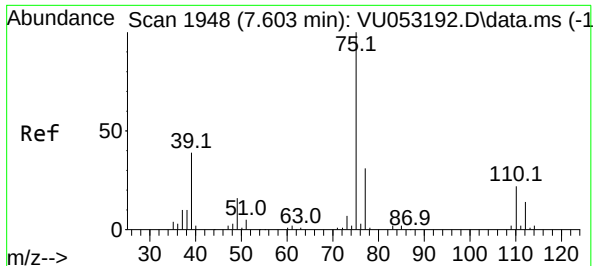
Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.2

127 8.0 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 51.011 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

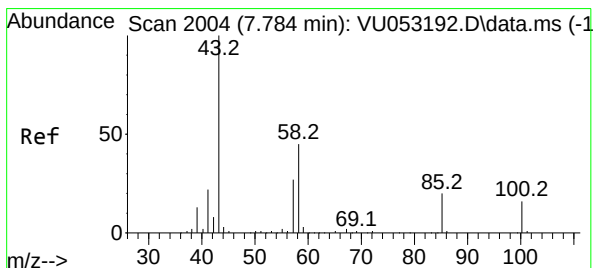
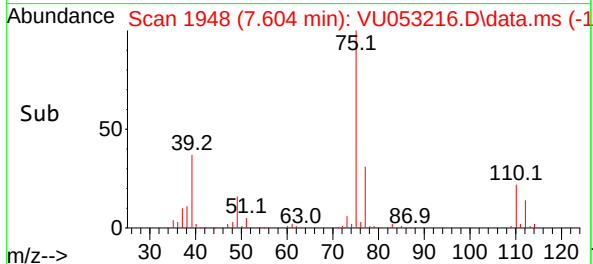
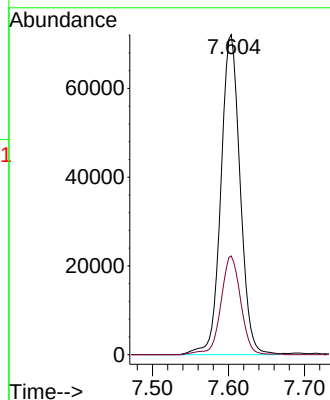
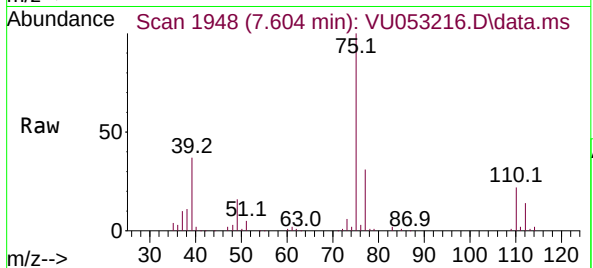
VSTD050161

Tgt Ion: 75 Resp: 126797

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 105.489 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.007 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

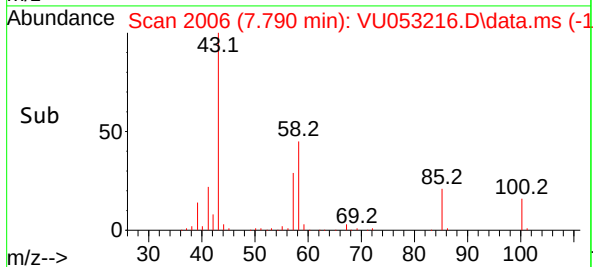
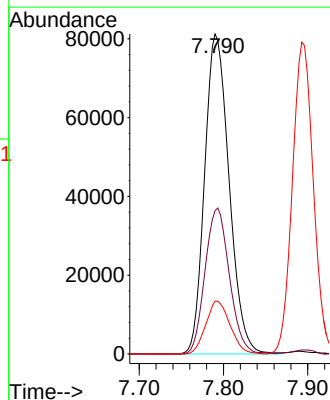
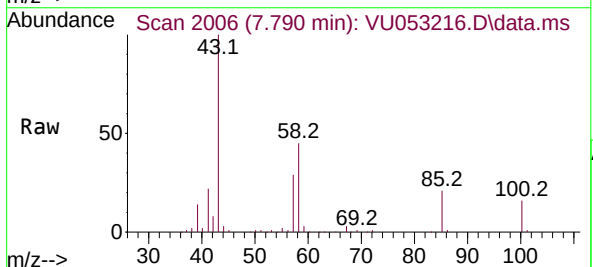
Tgt Ion: 43 Resp: 164043

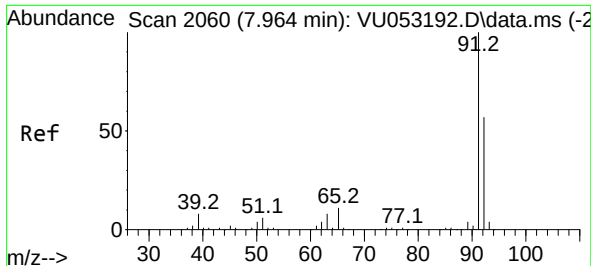
Ion Ratio Lower Upper

43 100

58 45.4 35.8 53.6

100 16.4 13.0 19.6





#42

Toluene

Concen: 50.858 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

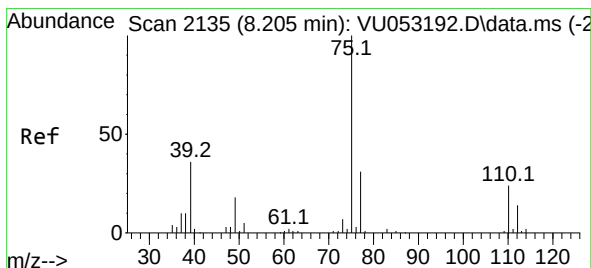
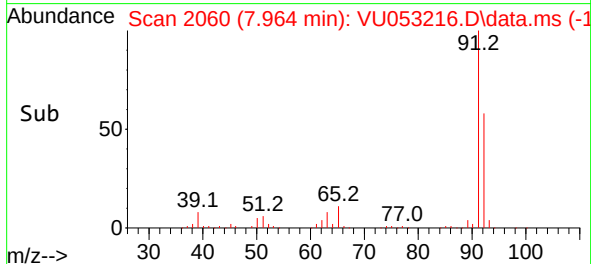
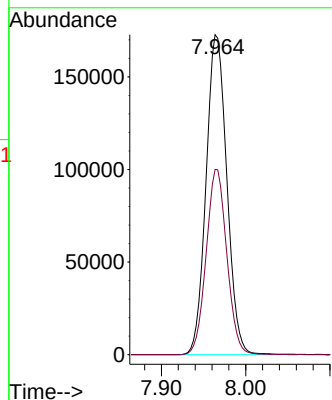
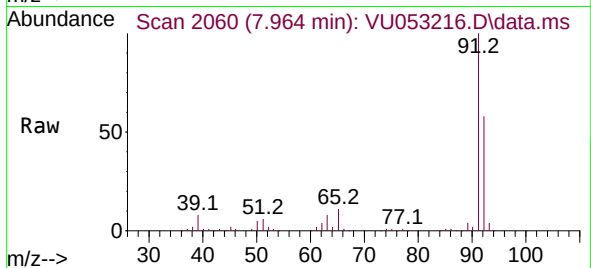
VSTD050161

Tgt Ion: 91 Resp: 296497

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 50.802 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053216.D

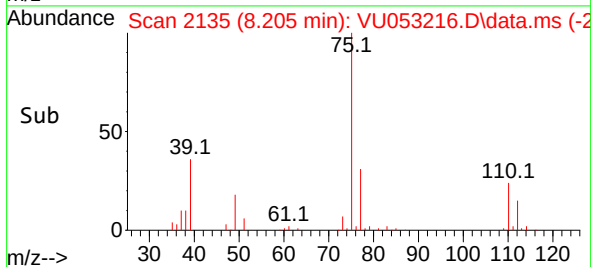
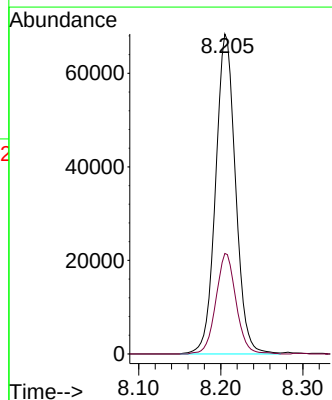
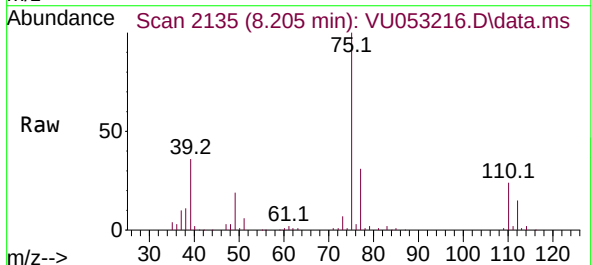
Acq: 16 Mar 2023 10:16

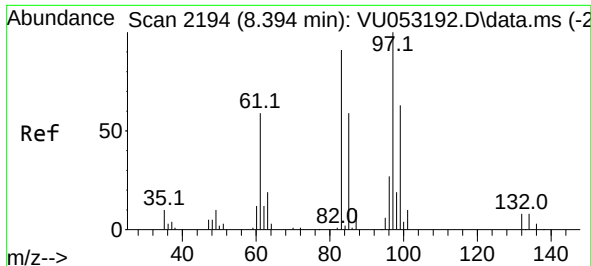
Tgt Ion: 75 Resp: 115430

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

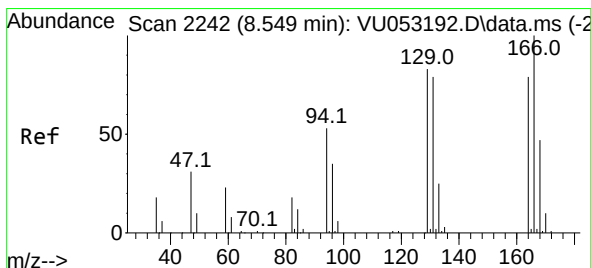
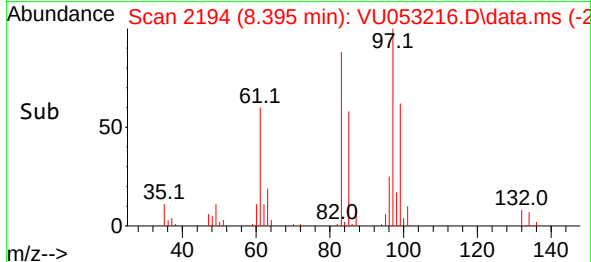
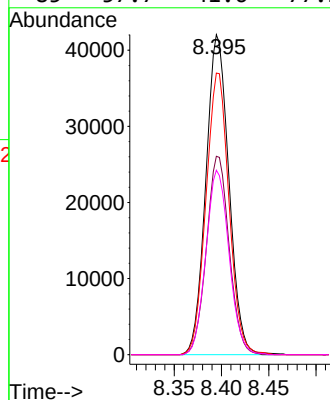
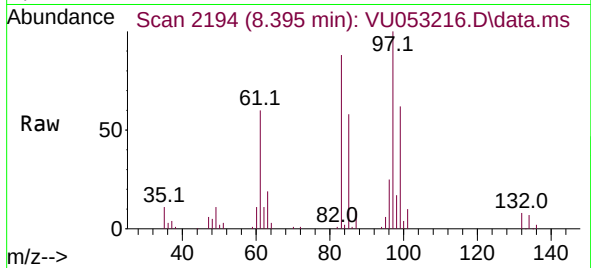




#45
1,1,2-Trichloroethane
Concen: 51.716 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

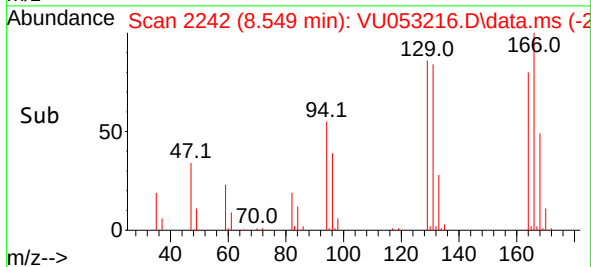
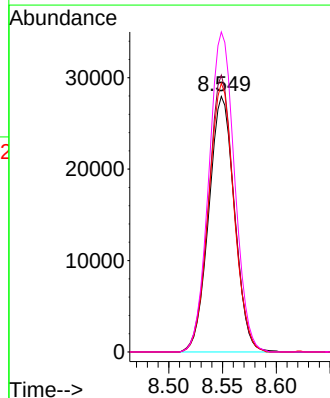
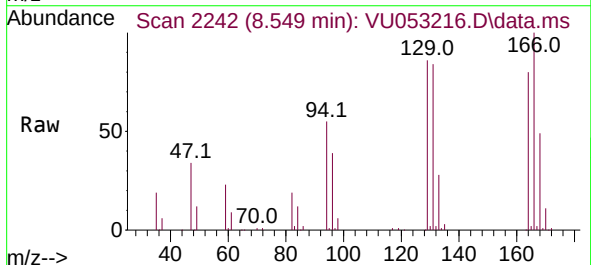
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

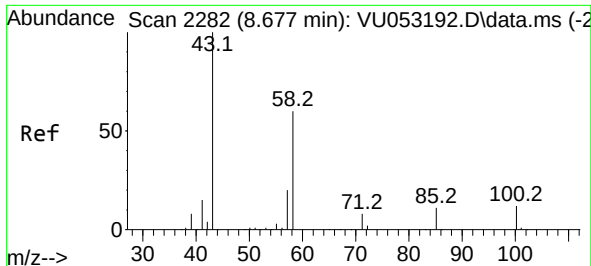
Tgt Ion:	97	Resp:	71246
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.4	82.4
83	88.0	63.8	118.6
85	57.7	41.6	77.2



#46
Tetrachloroethene
Concen: 50.424 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:	164	Resp:	46386
Ion	Ratio	Lower	Upper
164	100		
129	108.3	73.6	136.8
131	105.2	70.3	130.7
166	125.2	88.9	165.1

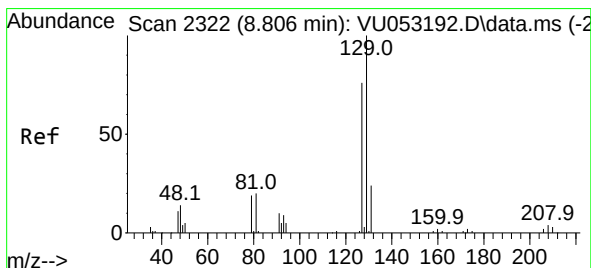
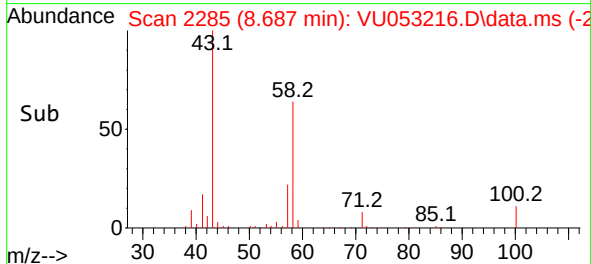
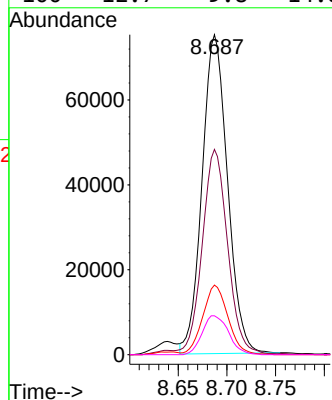
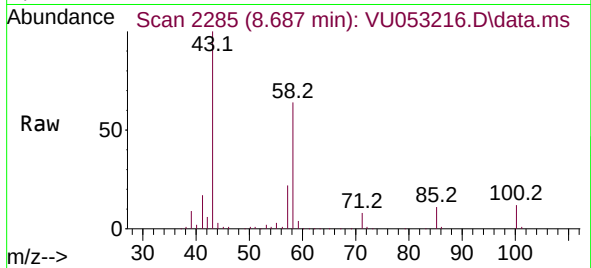




#48
2-Hexanone
Concen: 104.885 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

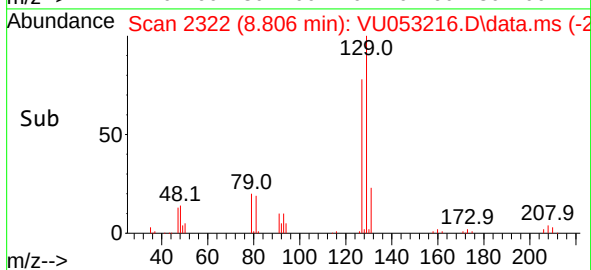
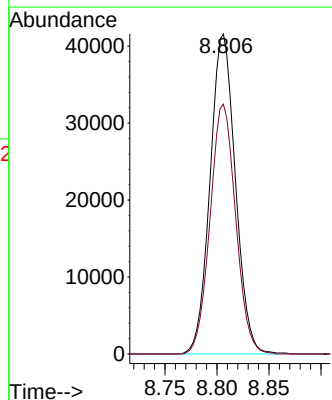
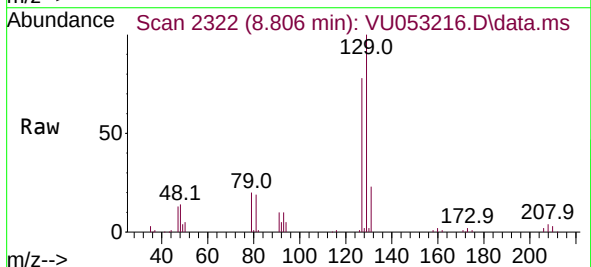
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

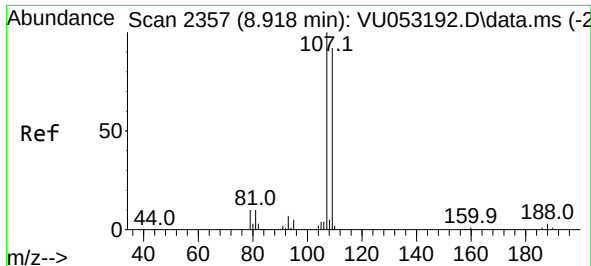
Tgt Ion: 43	Resp: 136582
Ion Ratio	Lower Upper
43 100	
58 63.4	49.4 74.0
57 21.4	16.9 25.3
100 12.7	9.8 14.8



#49
Dibromochloromethane
Concen: 50.022 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:129	Resp: 70493		
Ion Ratio	Lower	Upper	
129 100			
127 78.0	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 51.265 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD050161

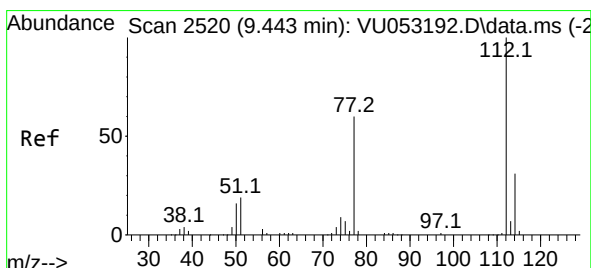
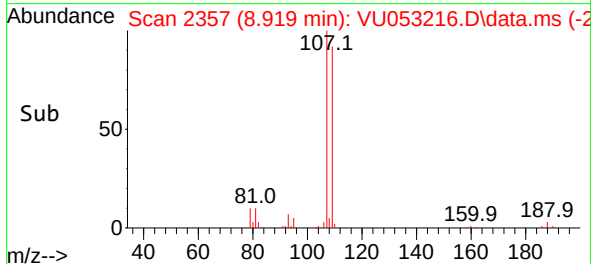
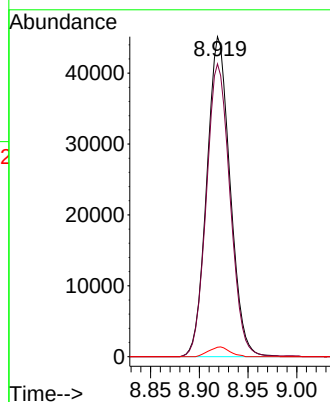
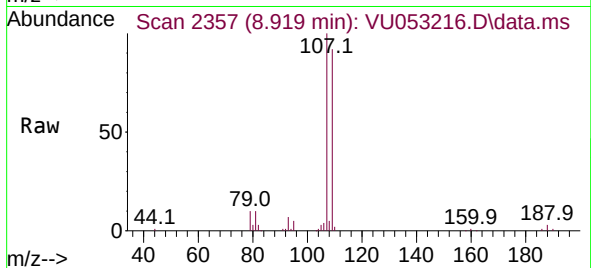
Tgt Ion:107 Resp: 75253

Ion Ratio Lower Upper

107 100

109 91.5 64.6 120.0

188 3.0 2.2 3.4



#51

Chlorobenzene

Concen: 51.150 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

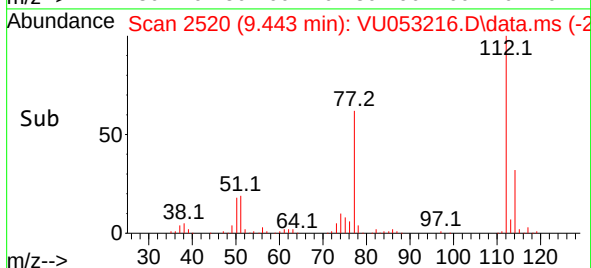
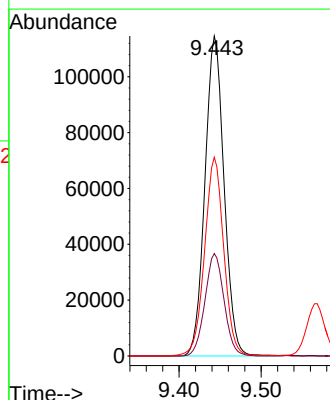
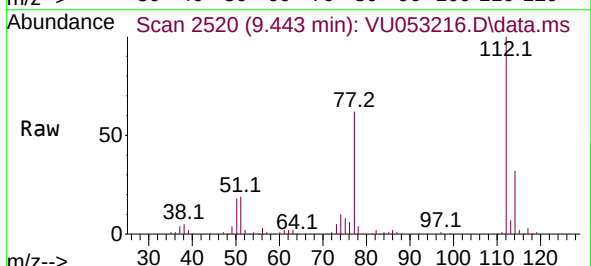
Tgt Ion:112 Resp: 185854

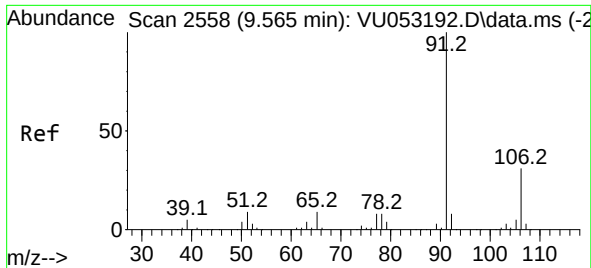
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.6

77 62.1 48.8 73.2

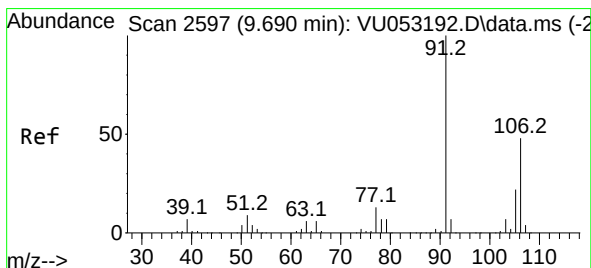
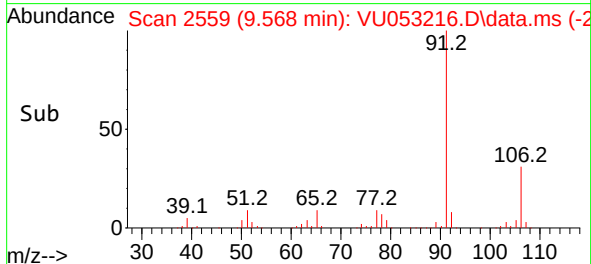
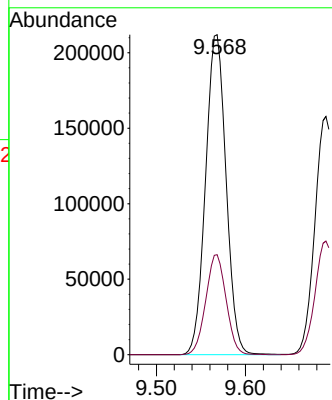
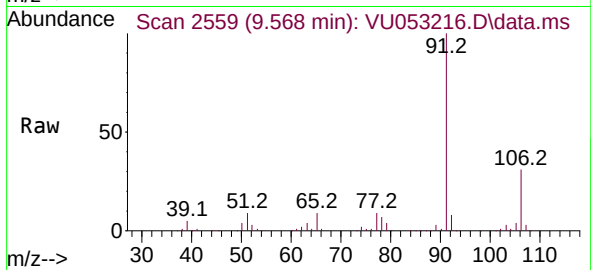




#52
Ethylbenzene
Concen: 51.222 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

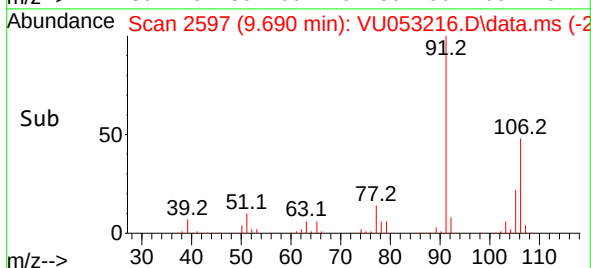
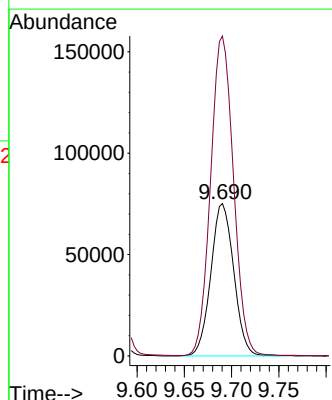
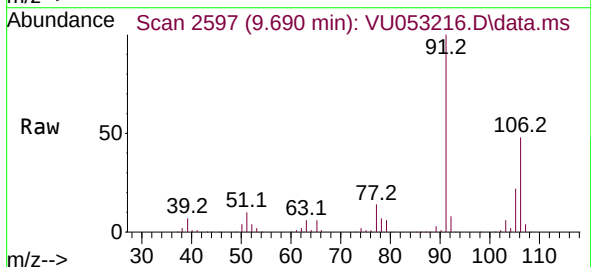
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

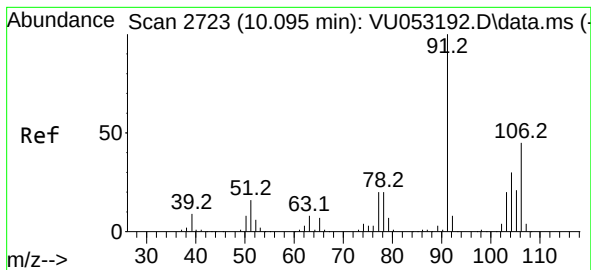
Tgt Ion: 91 Resp: 338644
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0



#53
m,p-Xylene
Concen: 51.304 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:106 Resp: 126596
Ion Ratio Lower Upper
106 100
91 209.8 145.3 269.8





#54

o-Xylene

Concen: 51.835 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

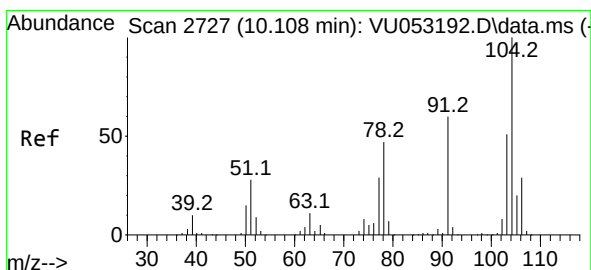
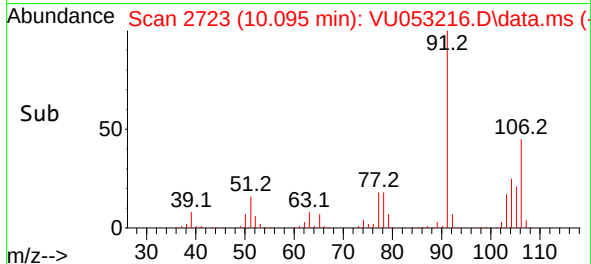
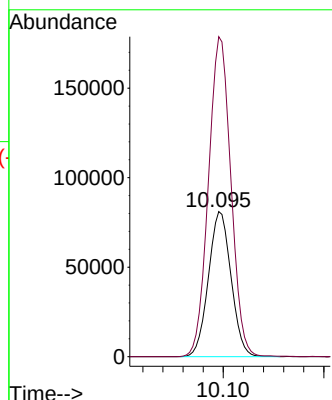
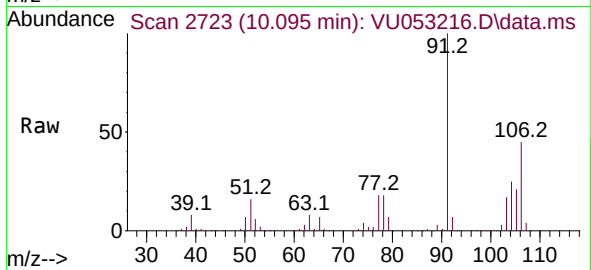
VSTD050161

Tgt Ion:106 Resp: 126506

Ion Ratio Lower Upper

106 100

91 220.5 154.9 287.7



#55

Styrene

Concen: 52.513 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053216.D

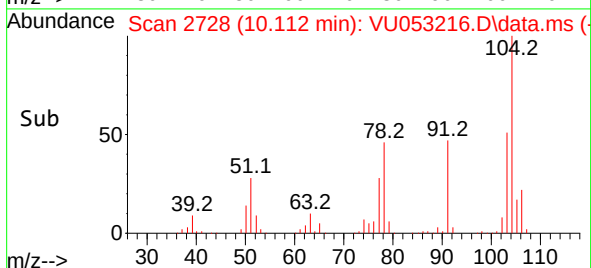
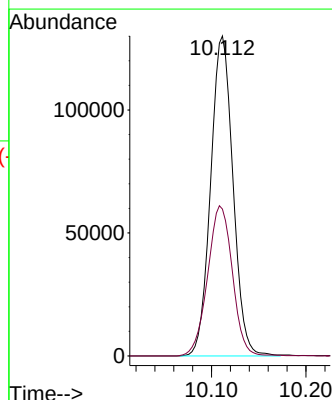
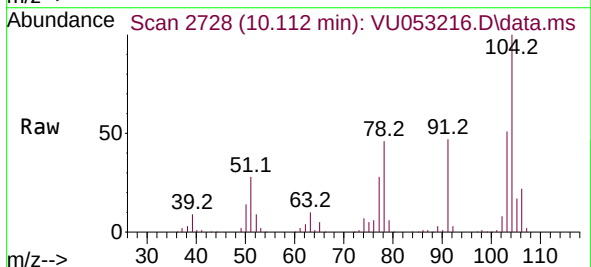
Acq: 16 Mar 2023 10:16

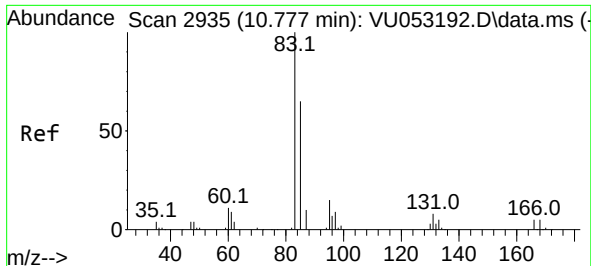
Tgt Ion:104 Resp: 213597

Ion Ratio Lower Upper

104 100

78 45.9 32.9 61.1

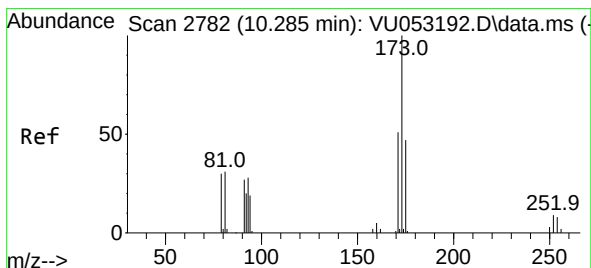
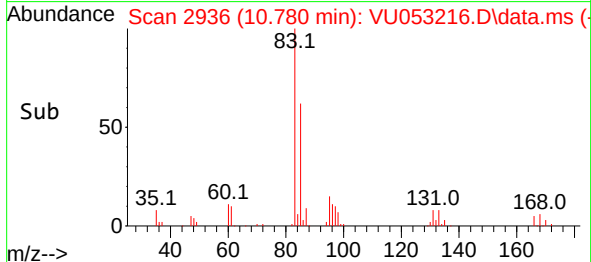
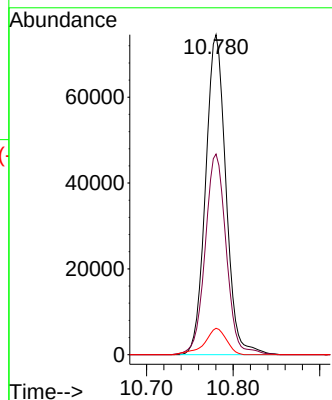
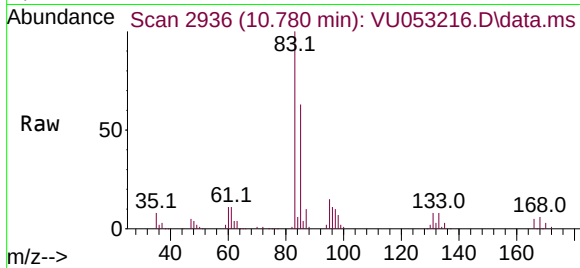




#57
1,1,2,2-Tetrachloroethane
Concen: 53.829 ug/L
RT: 10.780 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

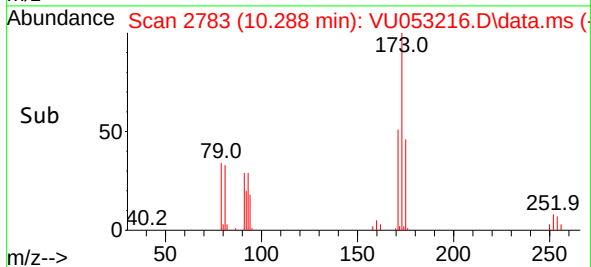
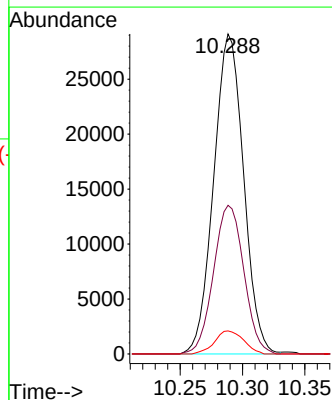
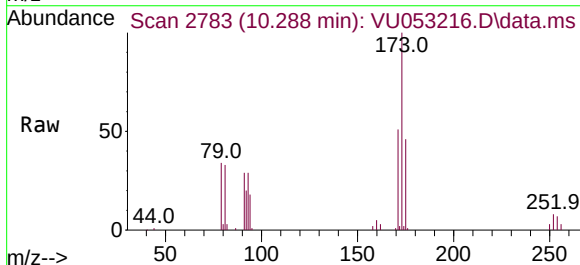
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

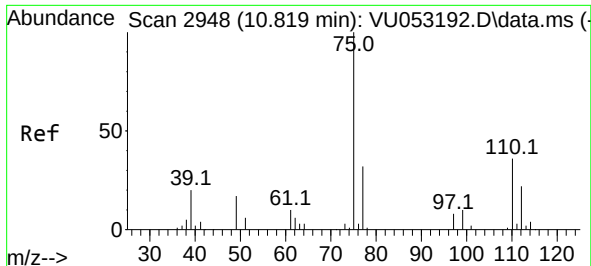
Tgt Ion: 83 Resp: 121580
Ion Ratio Lower Upper
83 100
85 62.7 46.0 85.4
131 8.2 6.6 10.0



#59
Bromoform
Concen: 50.831 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion: 173 Resp: 48572
Ion Ratio Lower Upper
173 100
175 47.1 38.5 57.7
254 7.0 6.5 9.7

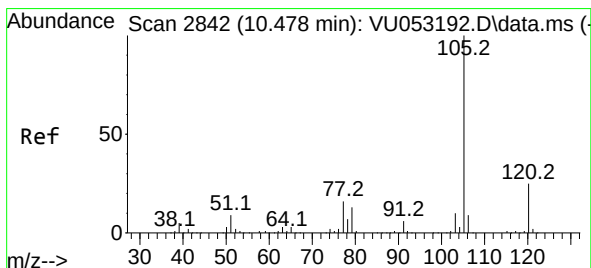
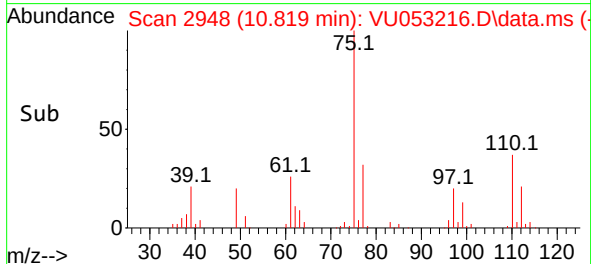
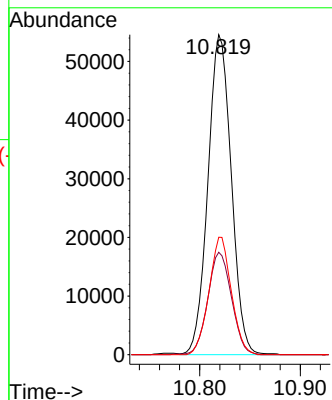
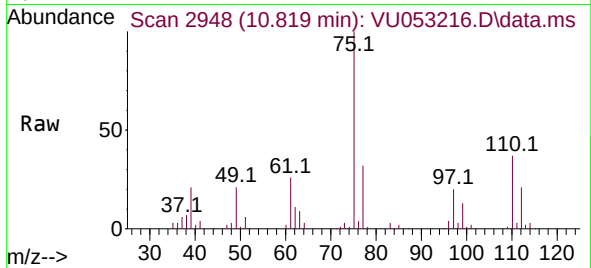




#60
1,2,3-Trichloropropane
Concen: 52.804 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

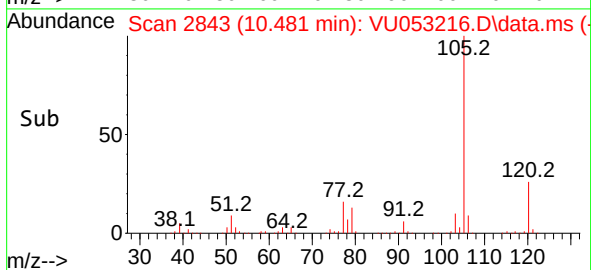
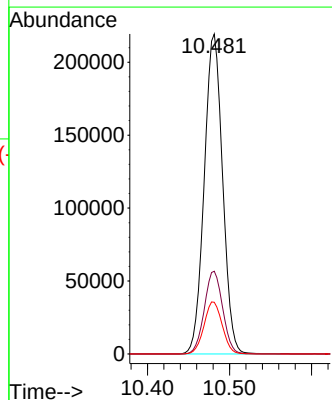
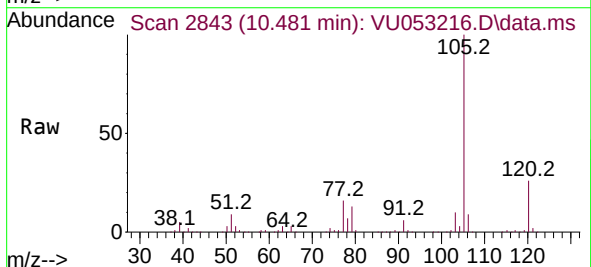
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

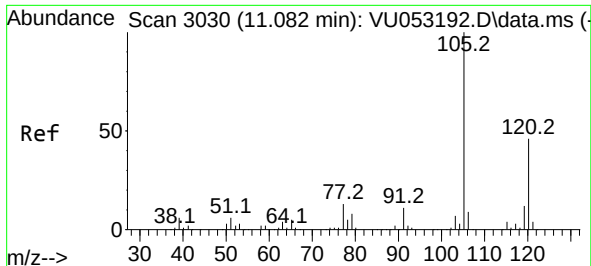
Tgt Ion:	75	Resp:	88105
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0
110	35.1	28.6	42.8



#61
Isopropylbenzene
Concen: 51.421 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:	105	Resp:	341151
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.4	30.6
77	16.1	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 51.320 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

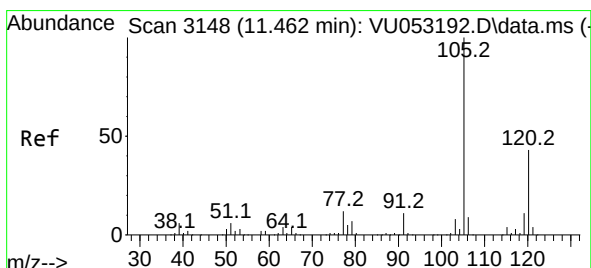
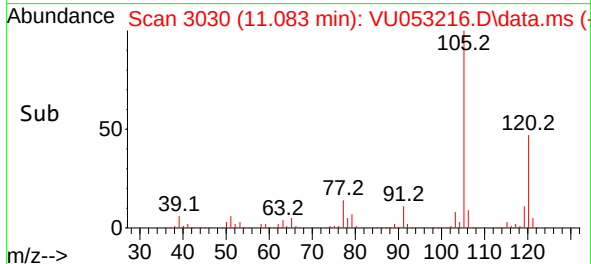
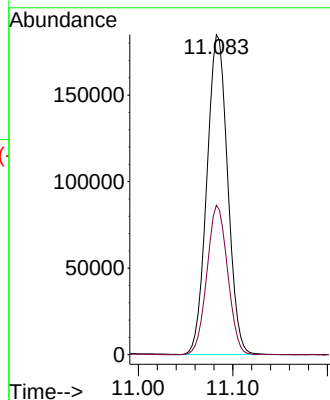
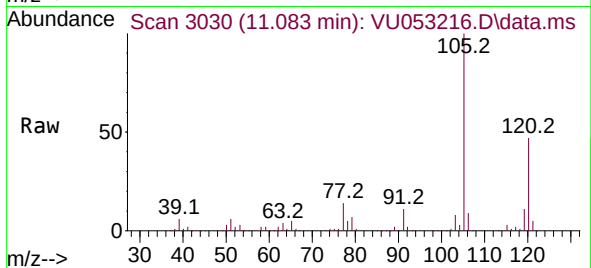
VSTD050161

Tgt Ion:105 Resp: 281833

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 51.710 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053216.D

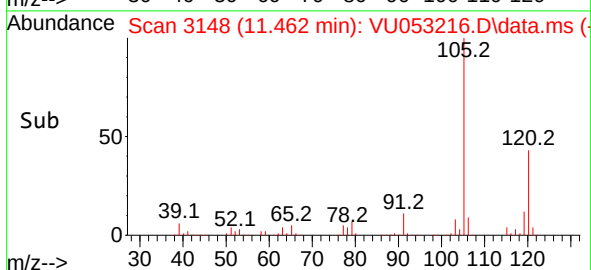
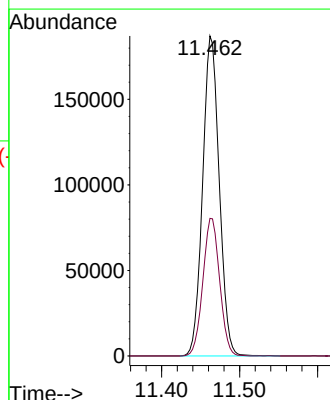
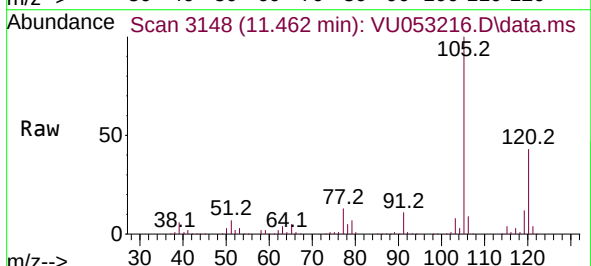
Acq: 16 Mar 2023 10:16

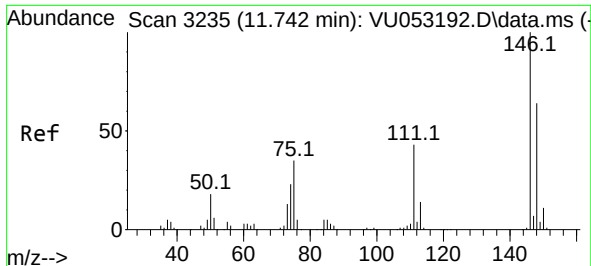
Tgt Ion:105 Resp: 276799

Ion Ratio Lower Upper

105 100

120 43.5 34.6 52.0

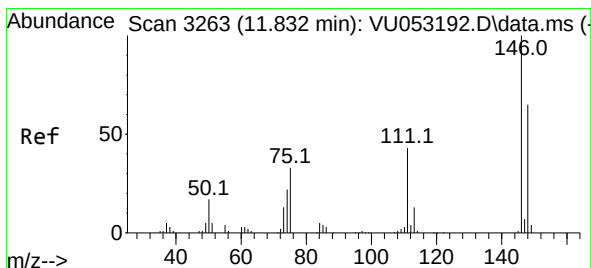
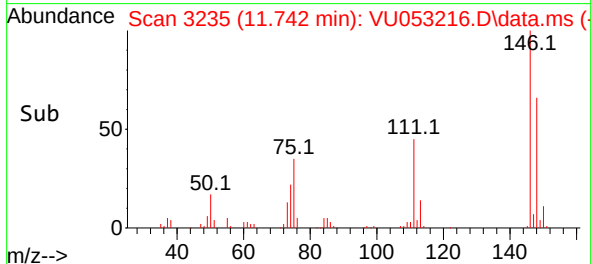
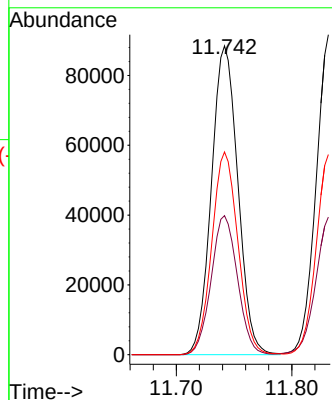
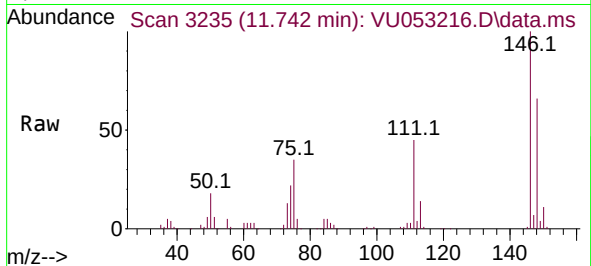




#64
1,3-Dichlorobenzene
Concen: 50.574 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

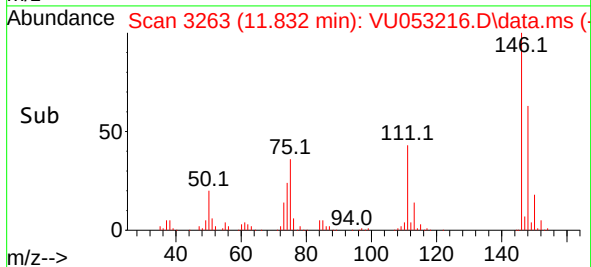
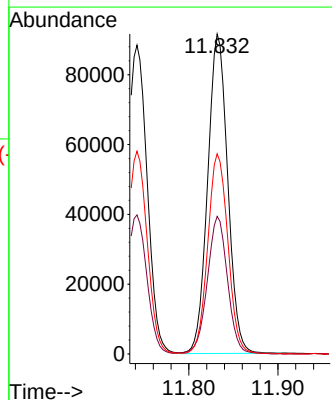
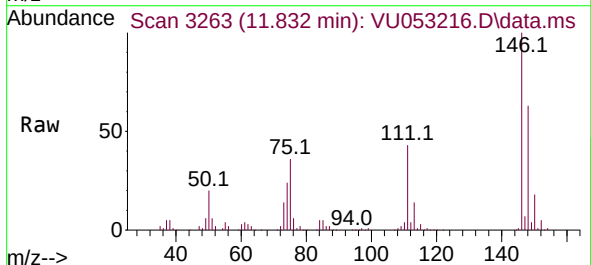
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

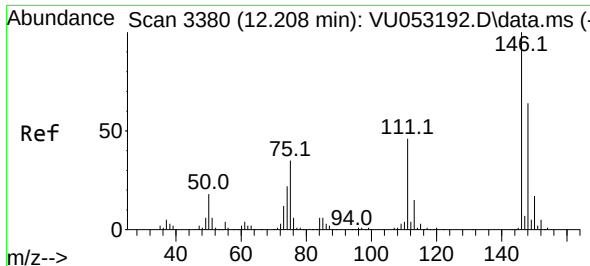
Tgt Ion:146 Resp: 140717
Ion Ratio Lower Upper
146 100
111 45.1 30.2 56.0
148 65.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 51.128 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:146 Resp: 142815
Ion Ratio Lower Upper
146 100
111 43.0 30.7 57.1
148 62.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 51.254 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD050161

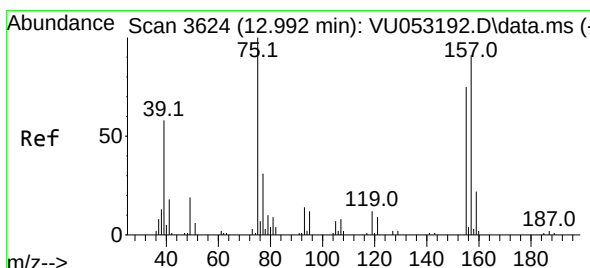
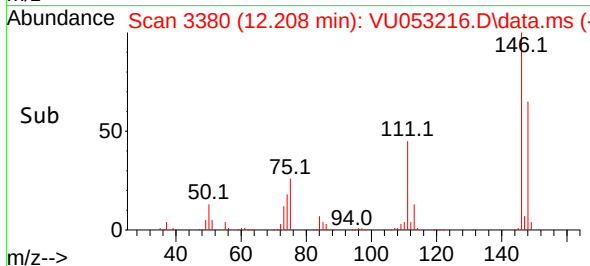
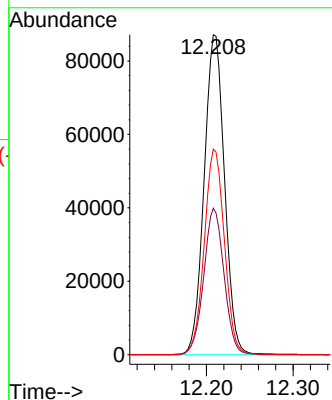
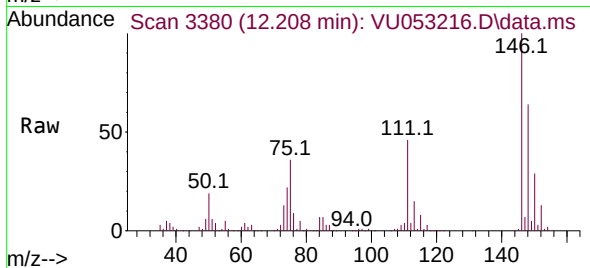
Tgt Ion:146 Resp: 142537

Ion Ratio Lower Upper

146 100

111 45.8 37.0 55.4

148 64.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 51.048 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

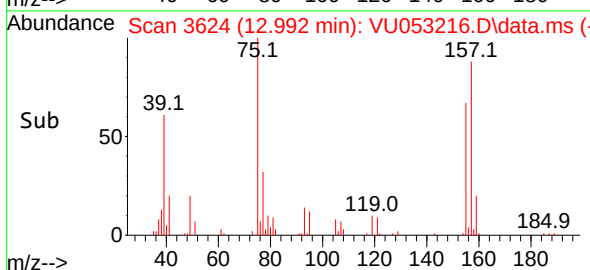
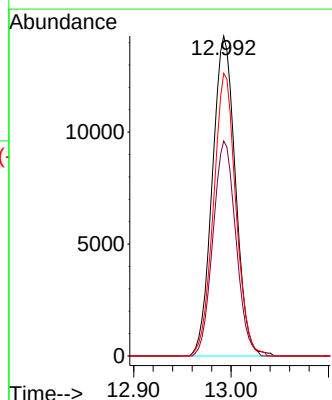
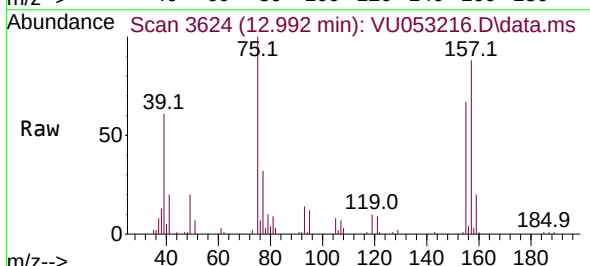
Tgt Ion: 75 Resp: 23553

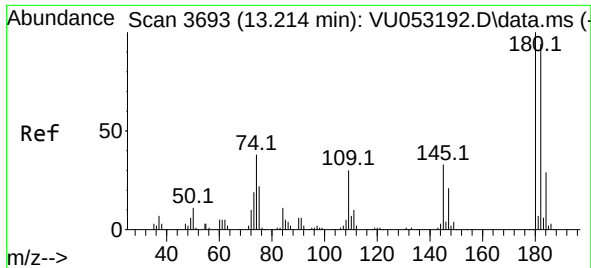
Ion Ratio Lower Upper

75 100

155 67.2 60.2 90.4

157 88.3 73.0 109.4

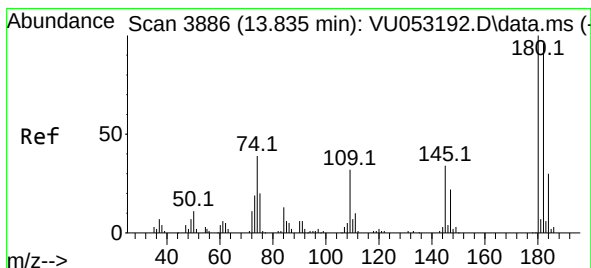
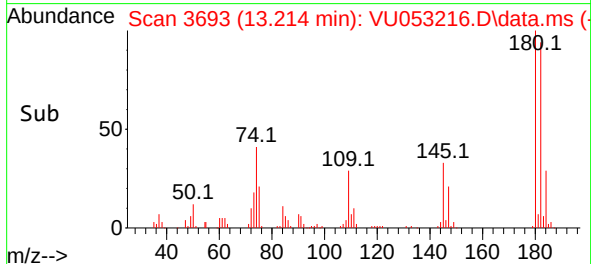
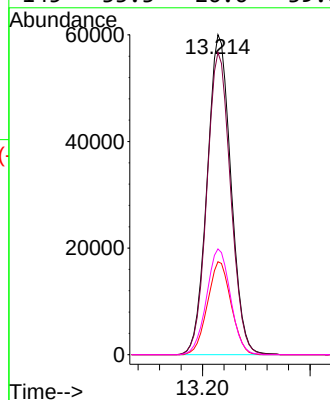
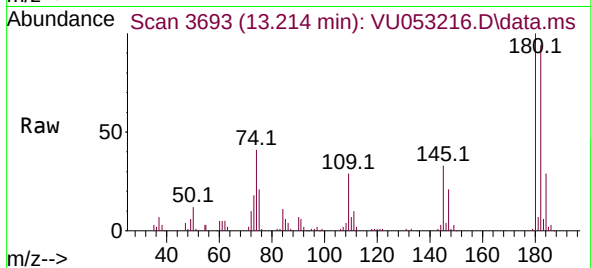




#69
1,3,5-Trichlorobenzene
Concen: 52.204 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

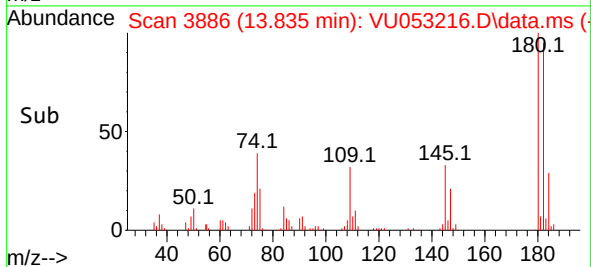
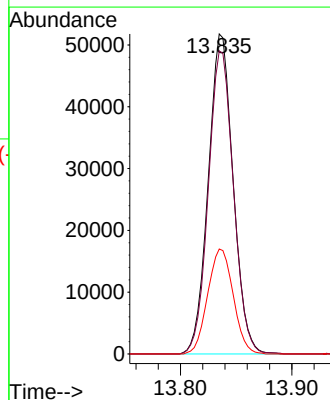
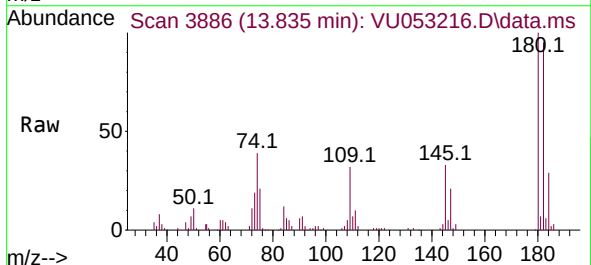
Instrument :
MSVOA_U
ClientSampleId :
VSTD050161

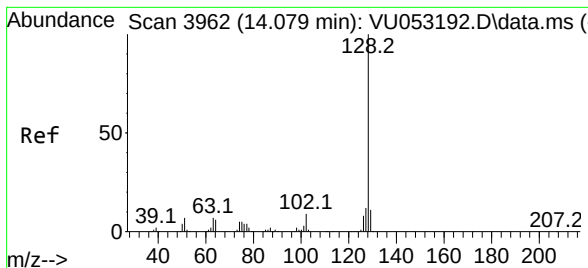
Tgt Ion:180	Resp:	92091
Ion Ratio	Lower	Upper
180	100	
182	94.2	74.5 111.7
184	28.9	23.2 34.8
145	33.3	26.6 39.8



#70
1,2,4-trichlorobenzene
Concen: 50.697 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053216.D
Acq: 16 Mar 2023 10:16

Tgt Ion:180	Resp:	80358
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.8 113.8
145	33.7	27.2 40.8





#71

Naphthalene

Concen: 53.899 ug/L

RT: 14.082 min Scan# 3962

Delta R.T. 0.003 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD050161

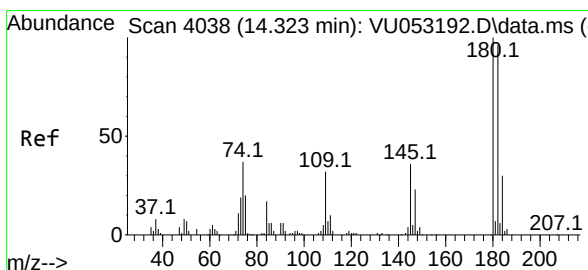
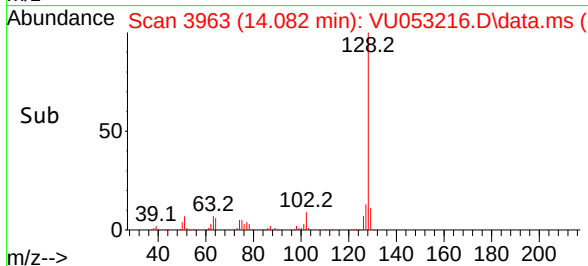
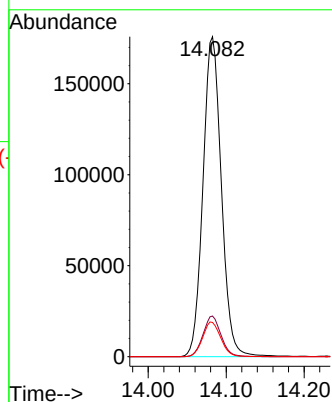
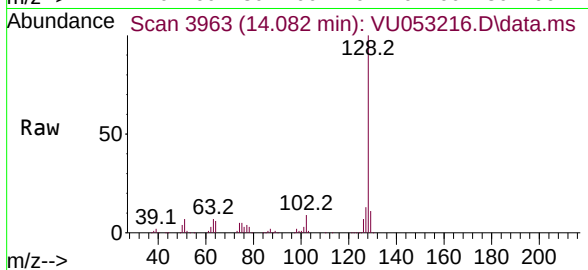
Tgt Ion:128 Resp: 287954

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.096 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053216.D

Acq: 16 Mar 2023 10:16

Tgt Ion:180 Resp: 76806

Ion Ratio Lower Upper

180 100

182 97.2 76.7 115.1

145 36.2 28.6 42.8

