

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053210.D
 Acq On : 15 Mar 2023 19:00
 Operator : JC/MD
 Sample : 01929-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFF0

Quant Time: Mar 16 04:04:04 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)

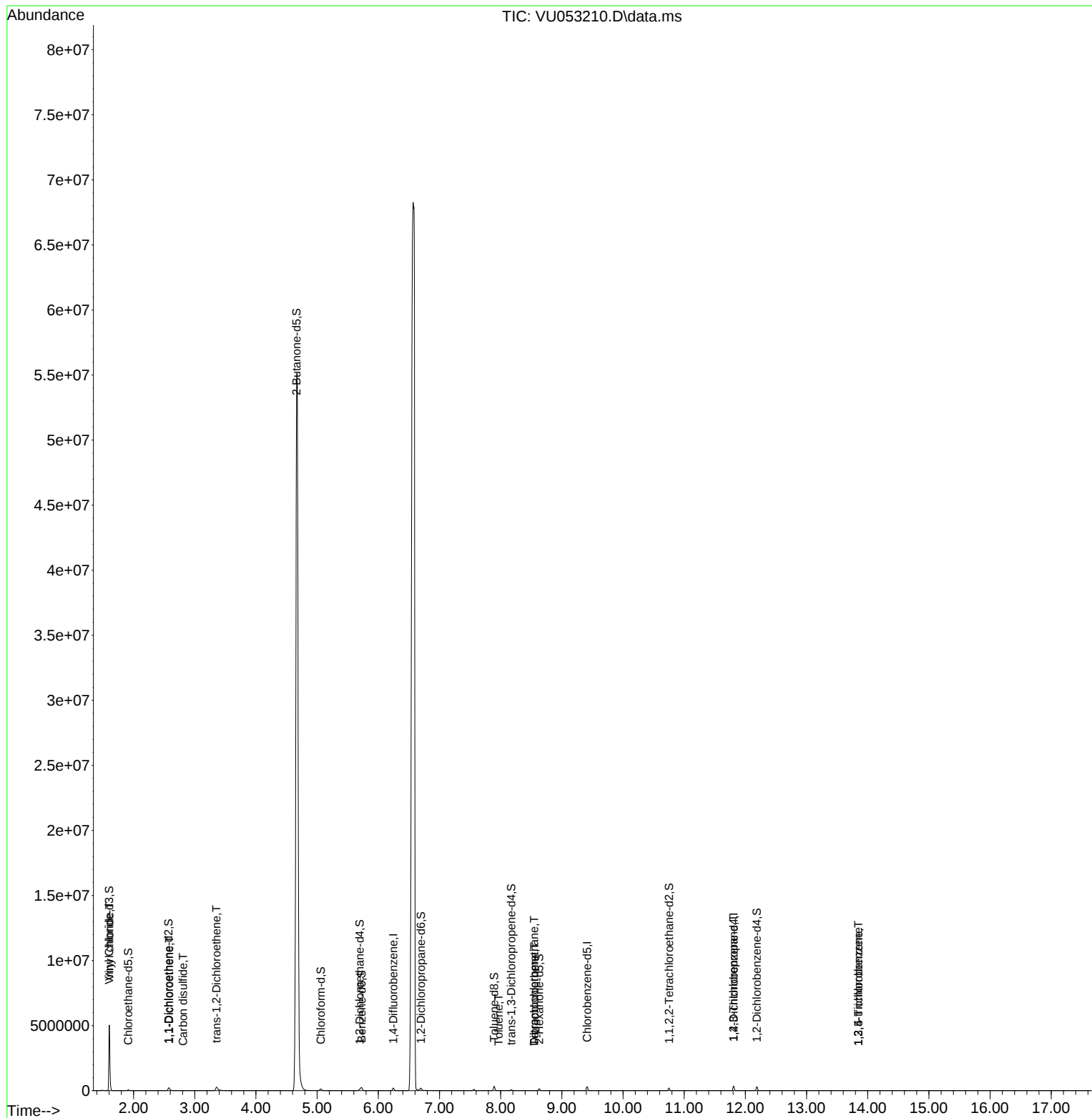
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	165559	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	163350	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	83948	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	94564	61.913	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.820%
7) Chloroethane-d5	1.912	69	55547	44.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.920%
11) 1,1-Dichloroethene-d2	2.571	63	117397	44.369	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.740%
21) 2-Butanone-d5	4.661	46	79196	111.795	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.800%
24) Chloroform-d	5.060	84	110715	44.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.020%
26) 1,2-Dichloroethane-d4	5.697	65	71751	45.925	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
32) Benzene-d6	5.726	84	241049	45.495	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.697	67	79401	46.433	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.860%
41) Toluene-d8	7.893	98	219552	44.508	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.020%
43) trans-1,3-Dichloroprop...	8.172	79	39282	46.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.120%
47) 2-Hexanone-d5	8.629	63	54189	101.362	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	102433	46.241	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.480%
66) 1,2-Dichlorobenzene-d4	12.188	152	74655	45.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.860%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	3450505	1980.878	ug/L	99
12) 1,1-Dichloroethene	2.581	96	50820	41.798	ug/L	83
14) Carbon disulfide	2.809	76	5760	1.564	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	165105	133.834	ug/L	99
42) Toluene	7.967	91	16029	2.633	ug/L	97
46) Tetrachloroethene	8.552	164	2085	2.170	ug/L	89
49) Dibromochloromethane	8.549	129	2048	1.392	ug/L #	12
60) 1,2,3-Trichloropropane	11.806	75	12485	7.484	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.844	180	2455	1.392	ug/L	90
70) 1,2,4-trichlorobenzene	13.844	180	2455	1.549	ug/L	91

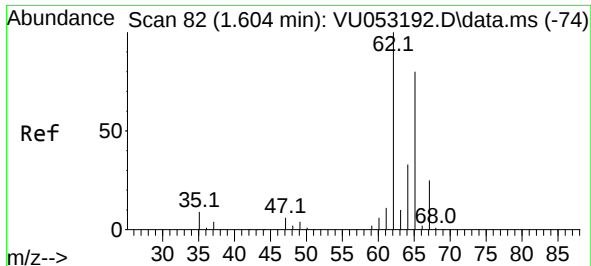
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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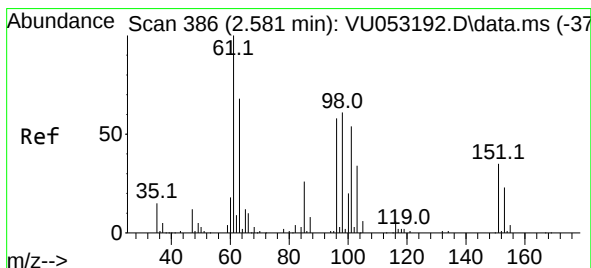
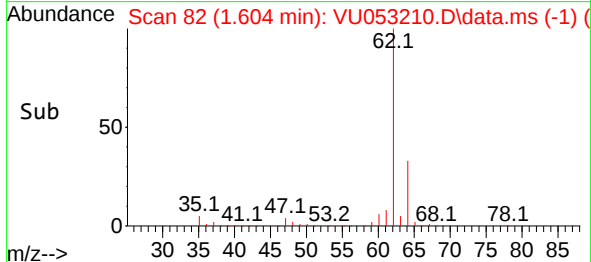
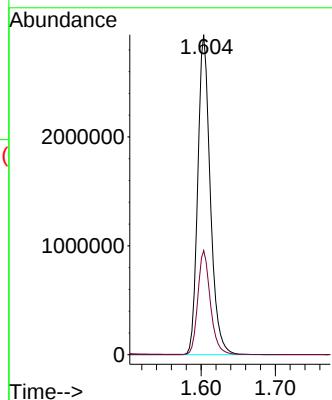
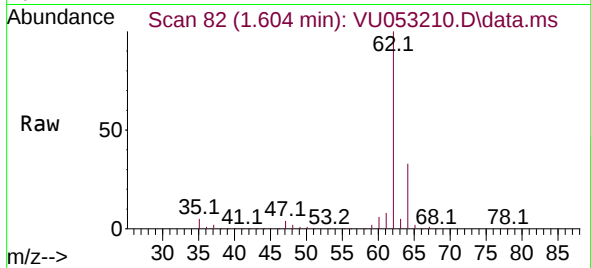




#5
 Vinyl chloride
 Concen: 1980.878 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053210.D
 Acq: 15 Mar 2023 19:00

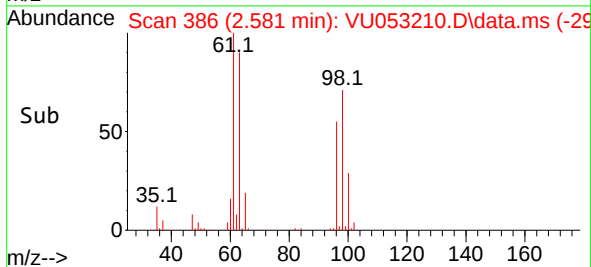
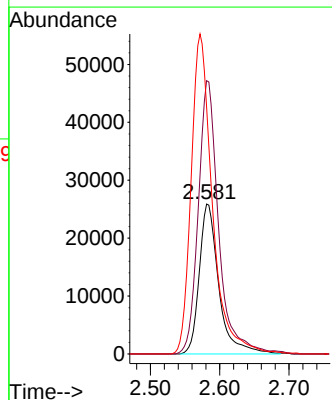
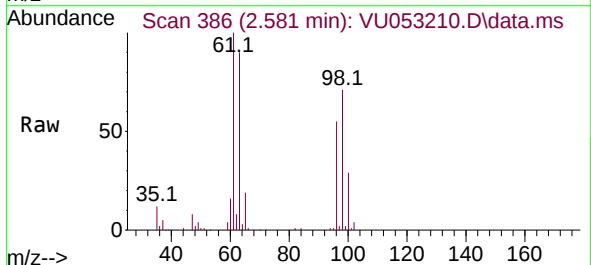
Instrument :
 MSVOA_U
 ClientSampleId :
 EYFF0

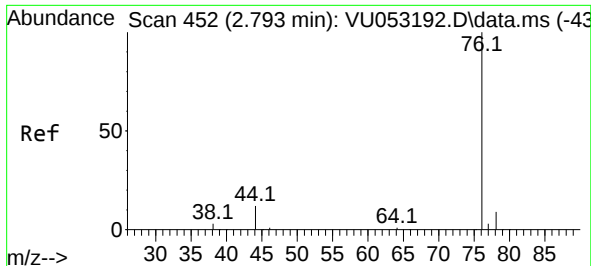
Tgt Ion: 62 Resp: 3450505
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.2 43.0



#12
 1,1-Dichloroethene
 Concen: 41.798 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU053210.D
 Acq: 15 Mar 2023 19:00

Tgt Ion: 96 Resp: 50820
 Ion Ratio Lower Upper
 96 100
 61 182.3 122.2 226.9
 63 164.8 89.9 166.9

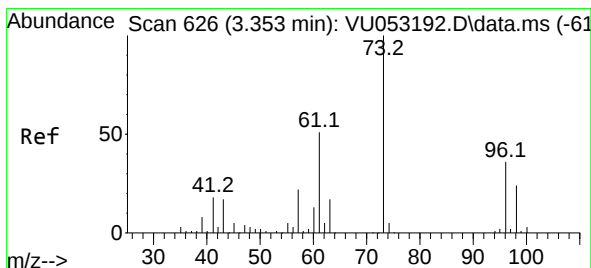
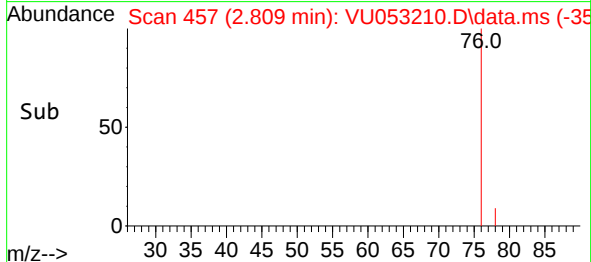
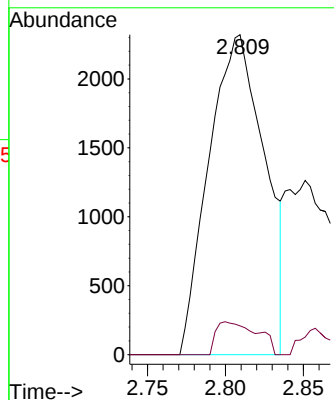
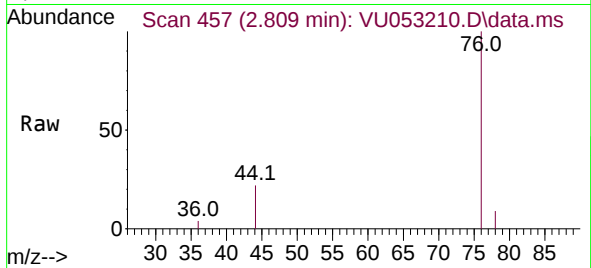




#14
Carbon disulfide
Concen: 1.564 ug/L
RT: 2.809 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU053210.D
Acq: 15 Mar 2023 19:00

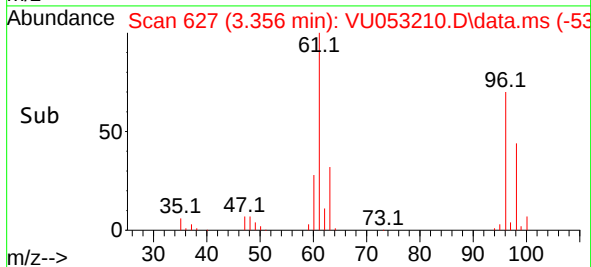
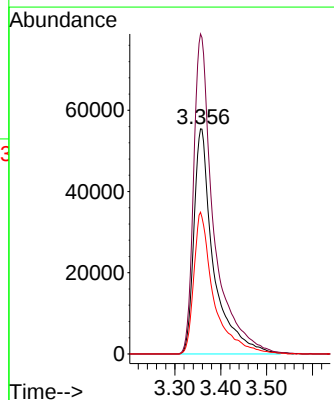
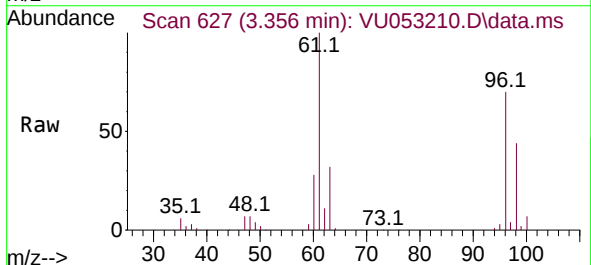
Instrument :
MSVOA_U
ClientSampleId :
EYFF0

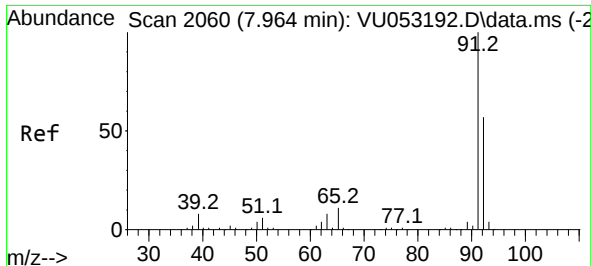
Tgt Ion: 76 Resp: 5760
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#17
trans-1,2-Dichloroethene
Concen: 133.834 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU053210.D
Acq: 15 Mar 2023 19:00

Tgt Ion: 96 Resp: 165105
Ion Ratio Lower Upper
96 100
61 142.2 99.6 185.0
98 63.0 45.5 84.5





#42

Toluene

Concen: 2.633 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053210.D

Acq: 15 Mar 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

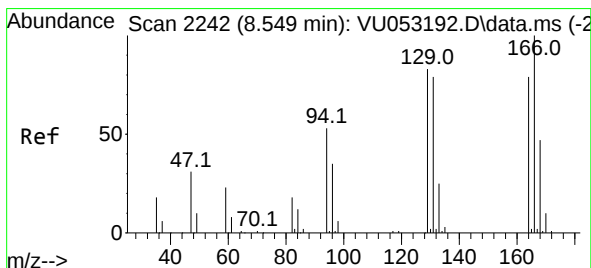
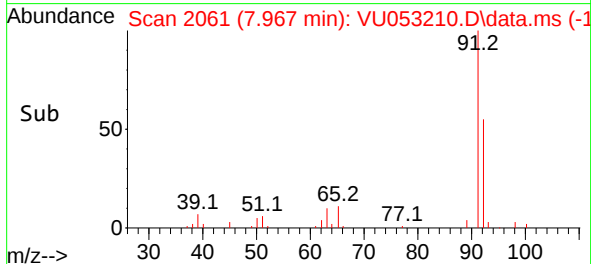
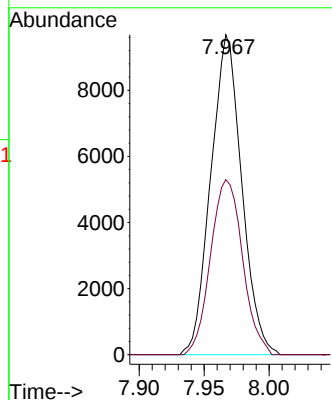
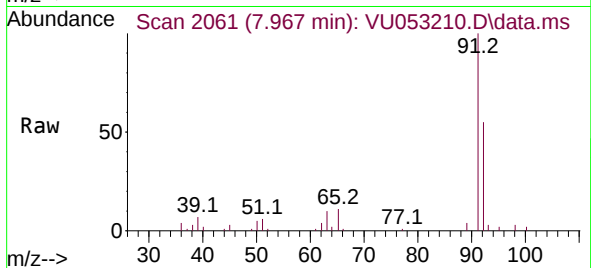
EYFF0

Tgt Ion: 91 Resp: 16029

Ion Ratio Lower Upper

91 100

92 54.7 39.6 73.6



#46

Tetrachloroethene

Concen: 2.170 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU053210.D

Acq: 15 Mar 2023 19:00

Tgt Ion: 164 Resp: 2085

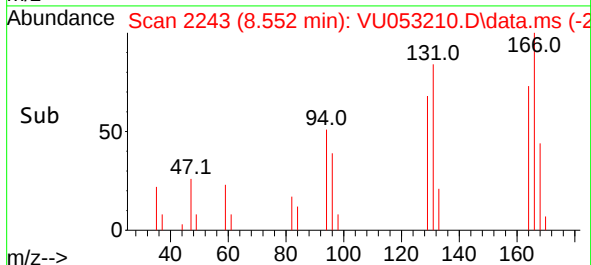
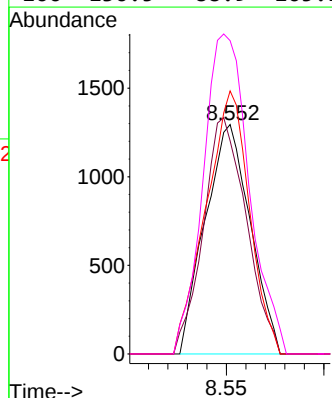
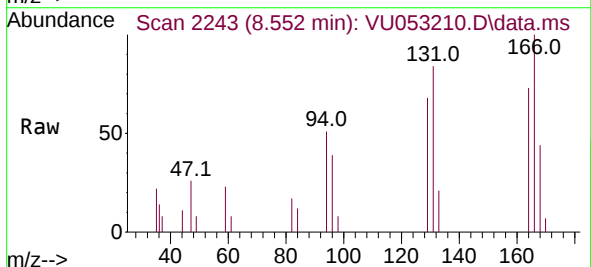
Ion Ratio Lower Upper

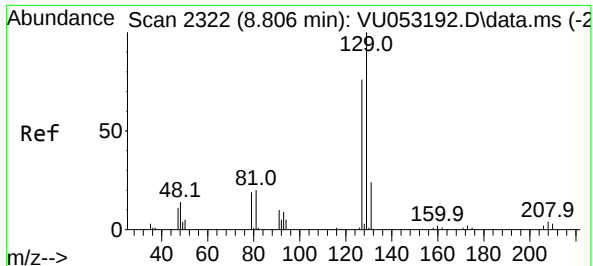
164 100

129 92.9 73.6 136.8

131 114.7 70.3 130.7

166 136.5 88.9 165.1





#49

Dibromochloromethane

Concen: 1.392 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053210.D

Acq: 15 Mar 2023 19:00

Instrument :

MSVOA_U

ClientSampleId :

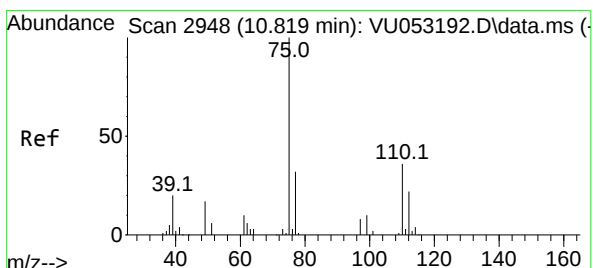
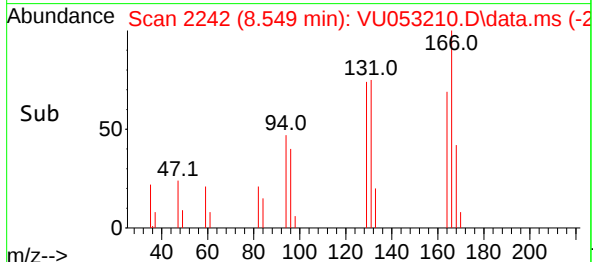
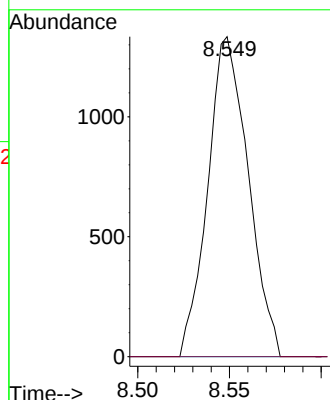
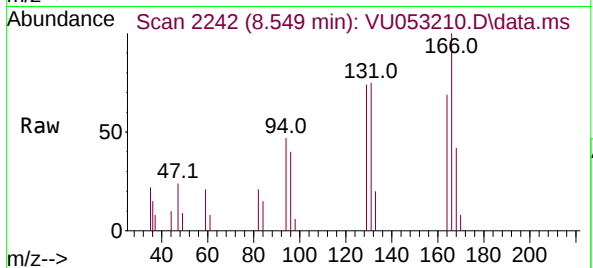
EYFF0

Tgt Ion:129 Resp: 2048

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



#60

1,2,3-Trichloropropane

Concen: 7.484 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053210.D

Acq: 15 Mar 2023 19:00

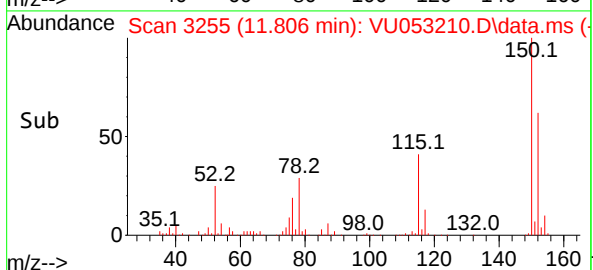
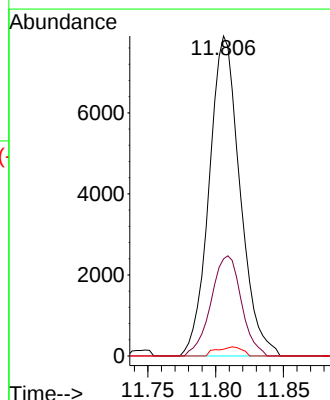
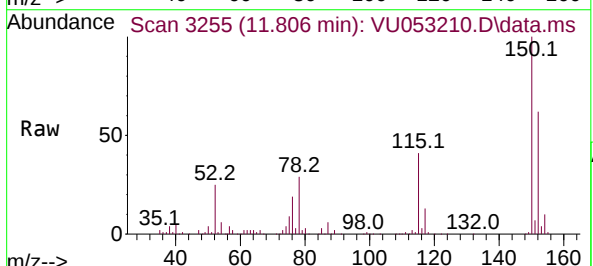
Tgt Ion: 75 Resp: 12485

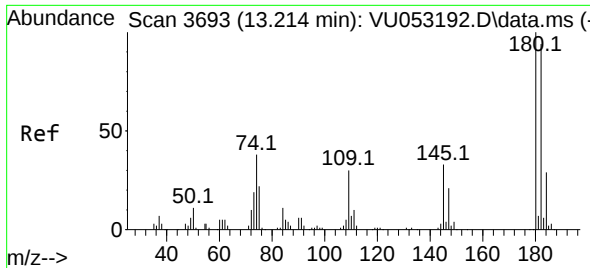
Ion Ratio Lower Upper

75 100

77 30.8 26.6 40.0

110 1.7 28.6 42.8#

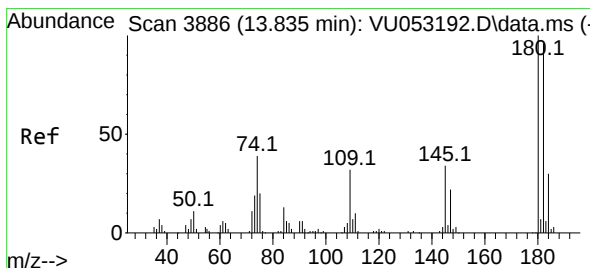
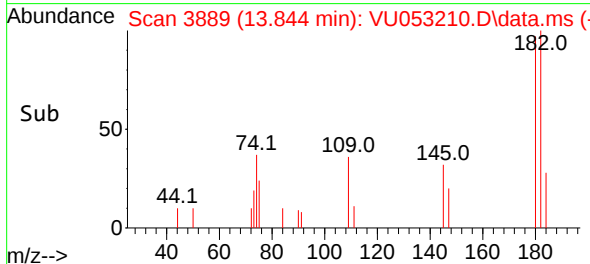
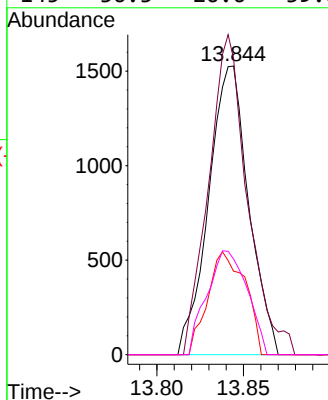
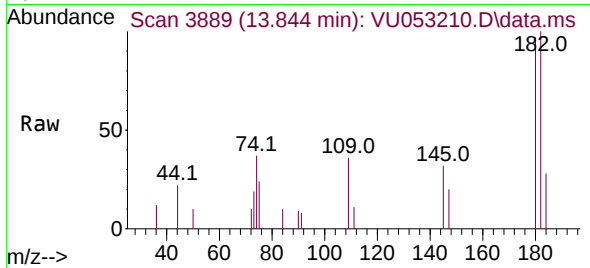




#69
 1,3,5-Trichlorobenzene
 Concen: 1.392 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.630 min
 Lab File: VU053210.D
 Acq: 15 Mar 2023 19:00

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFF0

Tgt Ion:	180	Resp:	2455
Ion	Ratio	Lower	Upper
180	100		
182	105.3	74.5	111.7
184	33.4	23.2	34.8
145	36.3	26.6	39.8



#70
 1,2,4-trichlorobenzene
 Concen: 1.549 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.010 min
 Lab File: VU053210.D
 Acq: 15 Mar 2023 19:00

Tgt Ion:	180	Resp:	2455
Ion	Ratio	Lower	Upper
180	100		
182	105.3	75.8	113.8
145	36.3	27.2	40.8

