

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053435.D
 Acq On : 28 Mar 2023 15:53
 Operator : JC/MD
 Sample : 02037-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E7

Quant Time: Mar 29 01:12:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

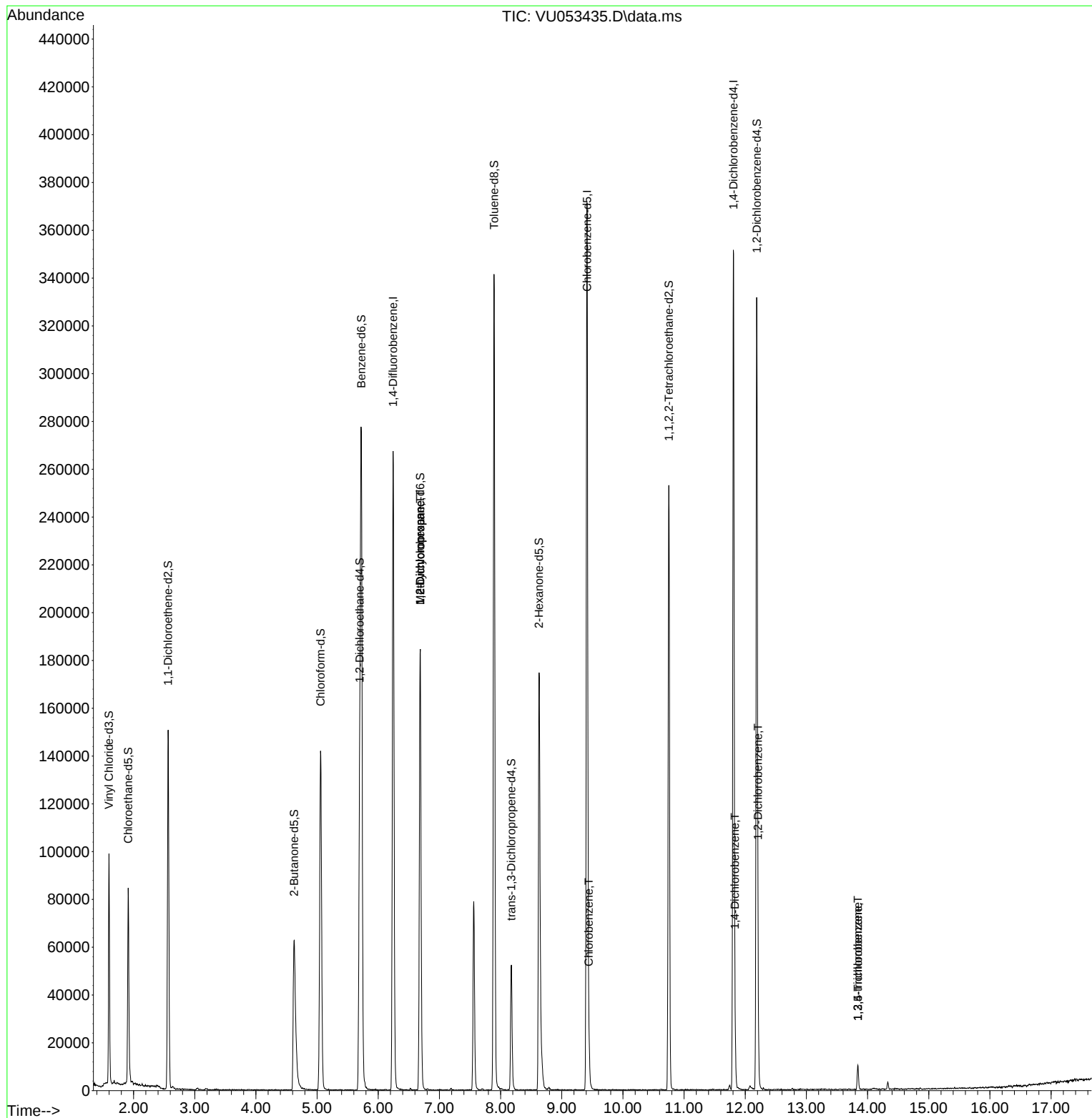
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	215239	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	201986	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	90626	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67481	33.983	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.960%
7) Chloroethane-d5	1.912	69	60289	37.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.080%
11) 1,1-Dichloroethene-d2	2.565	63	87767	25.515	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.020%#
21) 2-Butanone-d5	4.623	46	105096	114.114	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.110%
24) Chloroform-d	5.057	84	127086	38.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.720%
26) 1,2-Dichloroethane-d4	5.697	65	85292	41.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.980%
32) Benzene-d6	5.723	84	252748	38.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.160%
36) 1,2-Dichloropropane-d6	6.687	67	88856	42.023	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.040%
41) Toluene-d8	7.893	98	225338	36.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.880%#
43) trans-1,3-Dichloroprop...	8.176	79	30842	29.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.120%#
47) 2-Hexanone-d5	8.629	63	55518	83.983	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.980%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	122843	44.848	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.700%
66) 1,2-Dichlorobenzene-d4	12.188	152	81522	46.457	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.920%
Target Compounds						
					Qvalue	
35) Methylcyclohexane	6.687	83	19388	6.058	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	9348	4.785	ug/L #	90
51) Chlorobenzene	9.443	112	10471	2.232	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	7793	2.585	ug/L	90
67) 1,2-Dichlorobenzene	12.208	146	8975	2.990	ug/L	96
69) 1,3,5-Trichlorobenzene	13.841	180	4146	2.178	ug/L #	92
70) 1,2,4-trichlorobenzene	13.841	180	4146	2.423	ug/L #	90

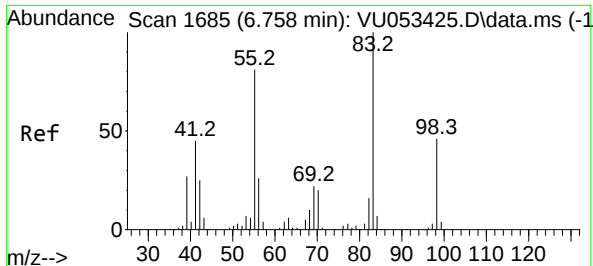
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 29 01:10:06 2023
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#35

Methylcyclohexane

Concen: 6.058 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.071 min

Lab File: VU053435.D

Acq: 28 Mar 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

E45E7

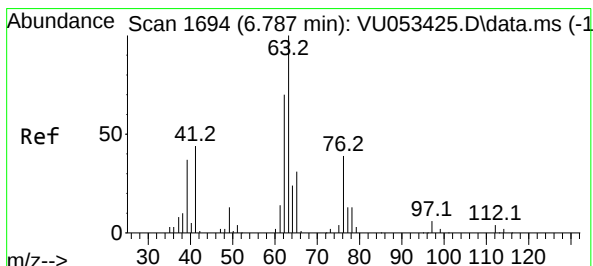
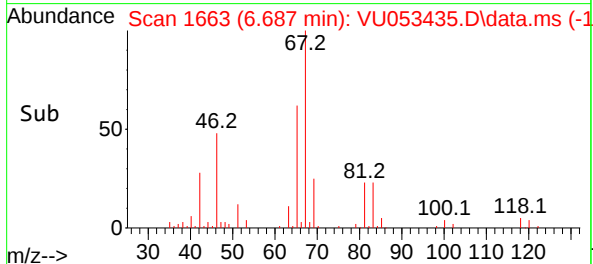
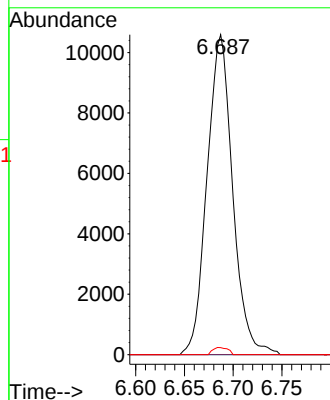
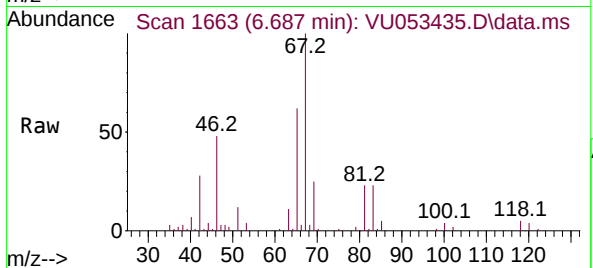
Tgt Ion: 83 Resp: 19388

Ion Ratio Lower Upper

83 100

55 0.0 58.2 87.4#

98 1.3 35.4 53.2#



#37

1,2-Dichloropropane

Concen: 4.785 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU053435.D

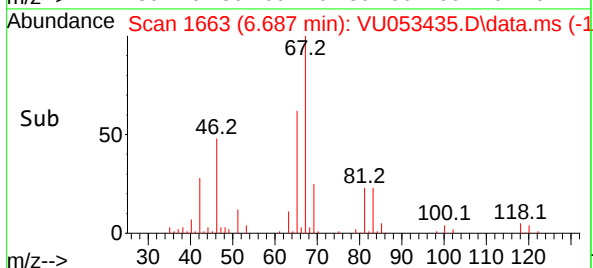
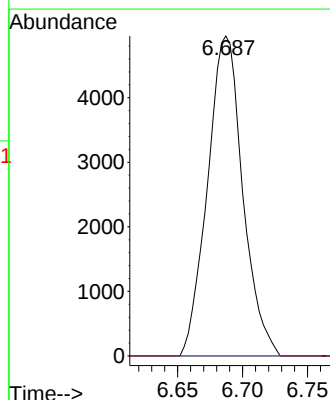
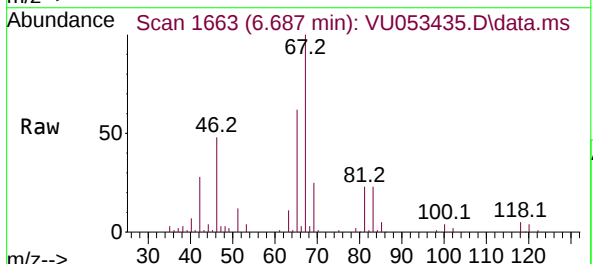
Acq: 28 Mar 2023 15:53

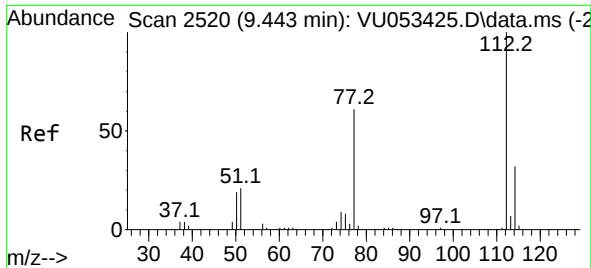
Tgt Ion: 63 Resp: 9348

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#

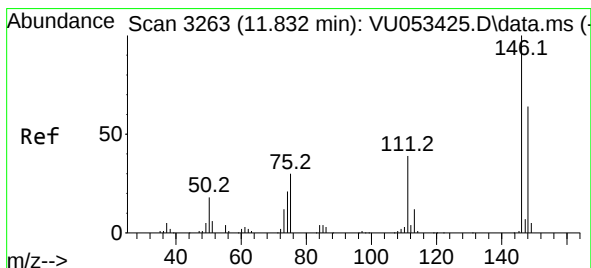
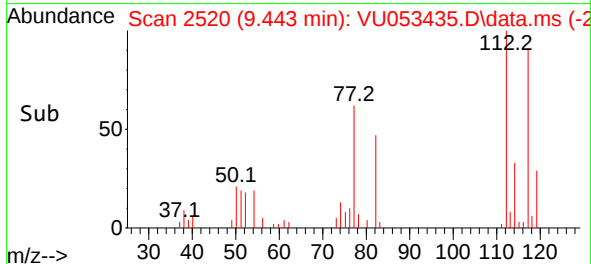
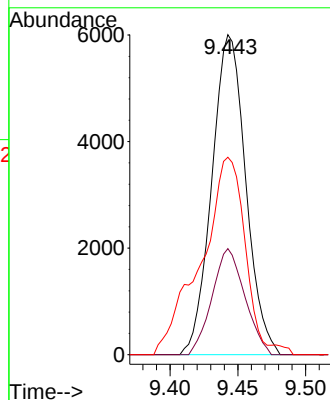
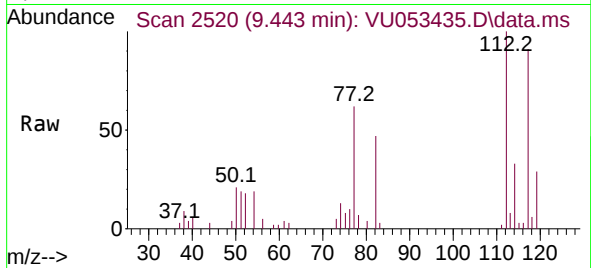




#51
Chlorobenzene
Concen: 2.232 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053435.D
Acq: 28 Mar 2023 15:53

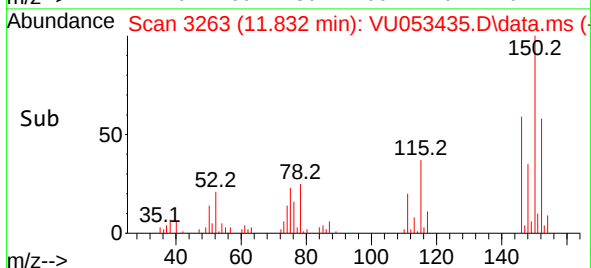
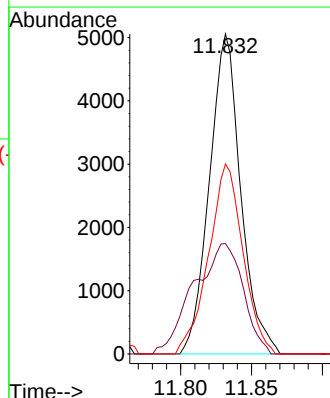
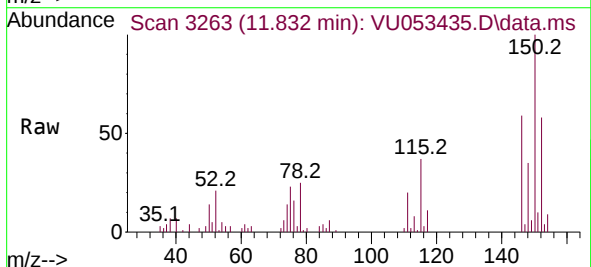
Instrument : MSVOA_U
ClientSampleId : E45E7

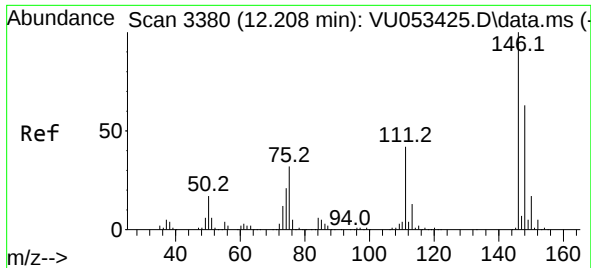
Tgt Ion:	112	Resp:	10471
Ion Ratio	Lower	Upper	
112	100		
114	33.1	21.8	40.6
77	61.7	48.8	73.2



#65
1,4-Dichlorobenzene
Concen: 2.585 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053435.D
Acq: 28 Mar 2023 15:53

Tgt Ion:	146	Resp:	7793
Ion Ratio	Lower	Upper	
146	100		
111	34.5	30.7	57.1
148	59.4	45.6	84.8





#67

1,2-Dichlorobenzene

Concen: 2.990 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053435.D

Acq: 28 Mar 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

E45E7

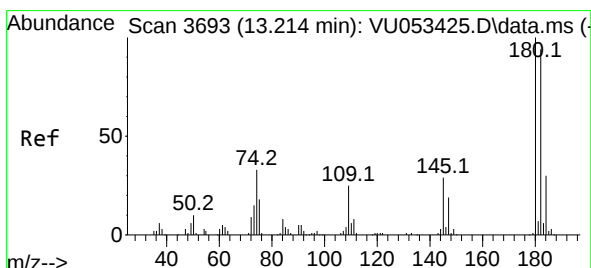
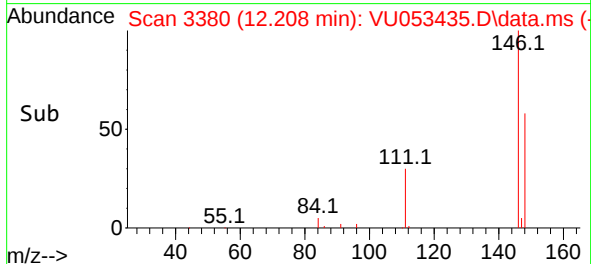
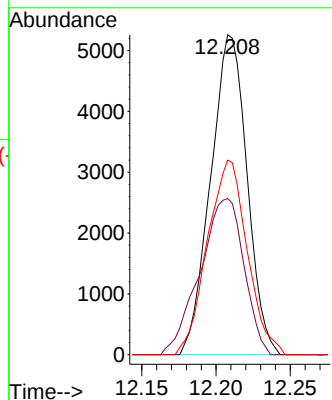
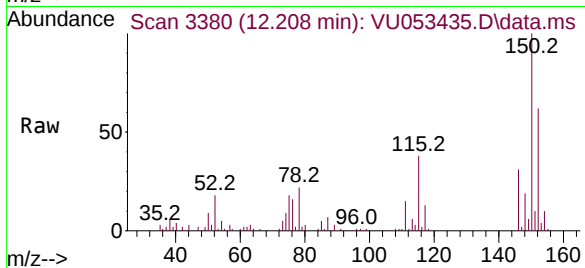
Tgt Ion:146 Resp: 8975

Ion Ratio Lower Upper

146 100

111 48.8 37.0 55.4

148 60.8 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 2.178 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

Lab File: VU053435.D

Acq: 28 Mar 2023 15:53

Tgt Ion:180 Resp: 4146

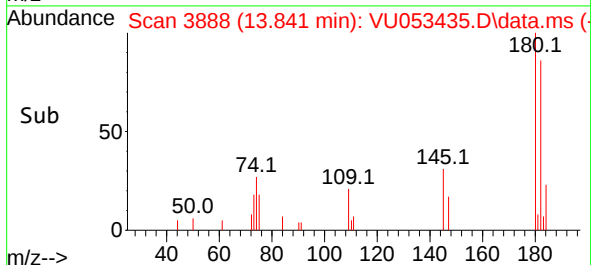
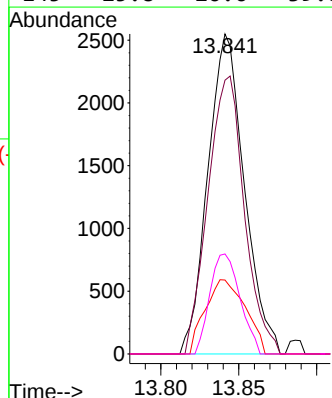
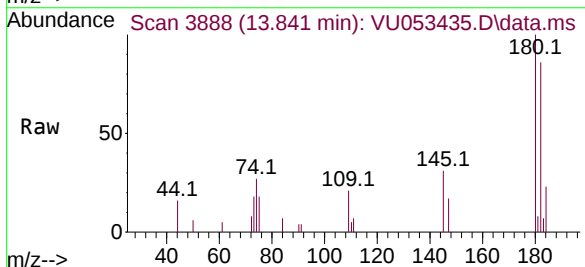
Ion Ratio Lower Upper

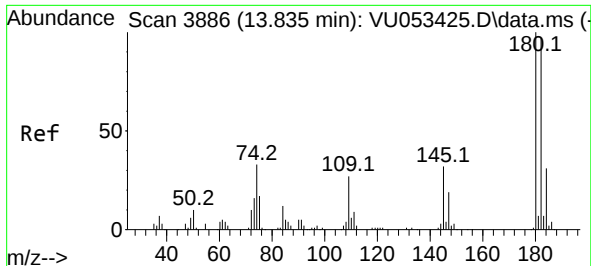
180 100

182 86.7 74.5 111.7

184 25.5 23.2 34.8

145 25.8 26.6 39.8#





#70

1,2,4-trichlorobenzene

Concen: 2.423 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053435.D

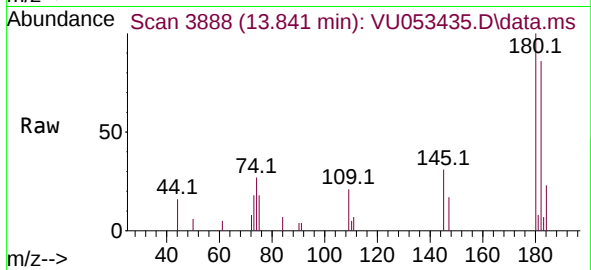
Acq: 28 Mar 2023 15:53

Instrument :

MSVOA_U

ClientSampleId :

E45E7



Tgt Ion:180 Resp: 4146

Ion Ratio Lower Upper

180 100

182 86.7 75.8 113.8

145 25.8 27.2 40.8#

