

Data File : VU031430.D
Acq On : 23 Apr 2019 12:07
Operator : JC/SP
Sample : K2477-19DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XC6DL

Quant Time: Apr 24 06:04:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	658052	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	592179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	251391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	245461	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.06%
7) Chloroethane-d5	1.68	69	201101	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.06%
11) 1,1-Dichloroethene-d2	2.27	63	354878	38.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.52%
21) 2-Butanone-d5	4.19	46	405051	101.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.61%
24) Chloroform-d	4.64	84	426443	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
26) 1,2-Dichloroethane-d4	5.31	65	270060	53.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.12%
32) Benzene-d6	5.34	84	886109	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.33	67	293034	53.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.46%
41) Toluene-d8	7.56	98	715746	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.85	79	108807	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.76%
47) 2-Hexanone-d5	8.31	63	255644	92.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358298	47.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	250778	48.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

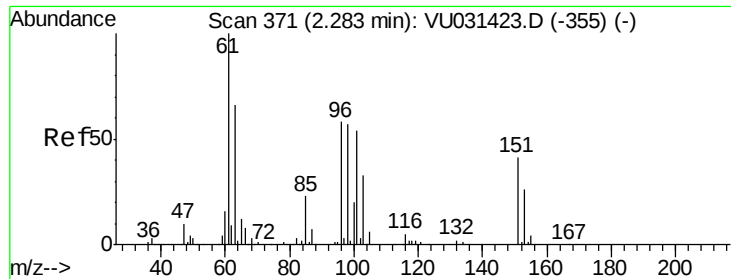
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3481	0.854	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	3018	0.753	ug/L #	1
34) Trichloroethene	6.18	95	287227	63.285	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4299	0.730	ug/L	96
46) Tetrachloroethene	8.23	164	4922	1.529	ug/L	89
48) 2-Hexanone	8.31	43	27158	5.018	ug/L #	37
49) Dibromochloromethane	8.23	129	4258	0.957	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	28202	5.005	ug/L	94

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

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The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents Abundance, ranging from 0 to 1,150,000. The x-axis represents Time in minutes, ranging from 0.00 to 17.00. The following table lists the compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
Vinyl Chloride-d3, S	1.0
Chloroethane-d5, S	1.5
1,1,1-Trichloroethane-d3, T	2.5
2-Butanone-d5, S	4.5
Chloroform-d1, S	5.0
1,2-Dichloroethane-d4, S	5.5
Benzene-d6, S	6.0
1,4-Difluorobenzene, I	6.5
Trichloroethene, T	6.8
1,2-Dichloropropane-d6, S	7.0
Toluene-d8, S	7.5
trans-1,3-Dichloropropene-d4, S	8.0
2-Hexanone-d5, S	8.5
Chlorobenzene-d5, I	9.0
1,1,2,2-Tetrachloroethane-d2, S	10.5
1,2-Dichloropropane-d4, I	11.5
1,2-Dichlorobenzene-d4, S	12.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.854 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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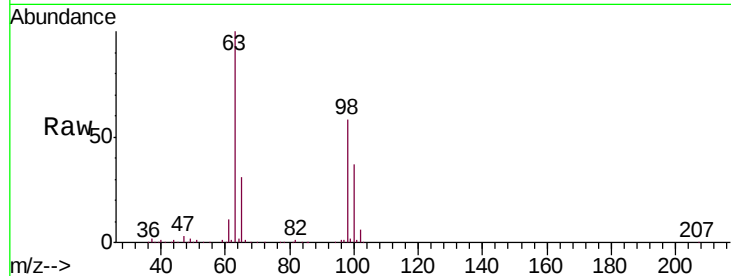
Tgt Ion: 101 Resp: 3481

Ion Ratio Lower Upper

101 100

85 1.7 33.1 49.7#

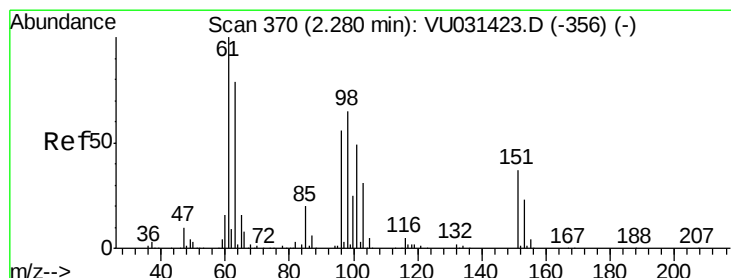
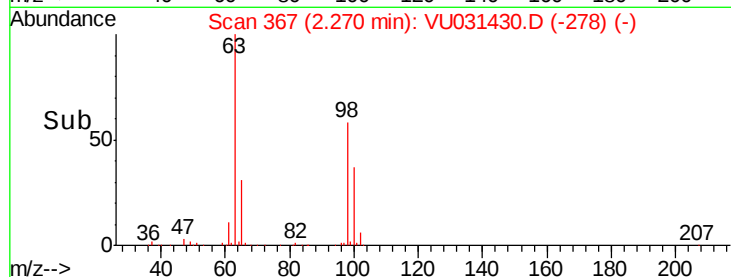
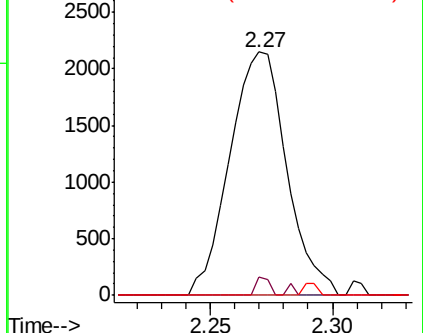
151 1.2 61.4 92.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.753 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031430.D

Acq: 23 Apr 2019 12:07

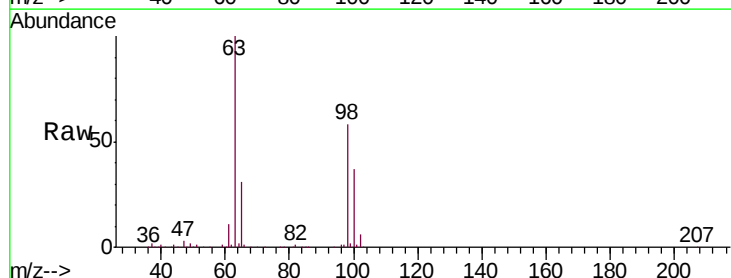
Tgt Ion: 96 Resp: 3018

Ion Ratio Lower Upper

96 100

61 1304.3 118.9 220.9#

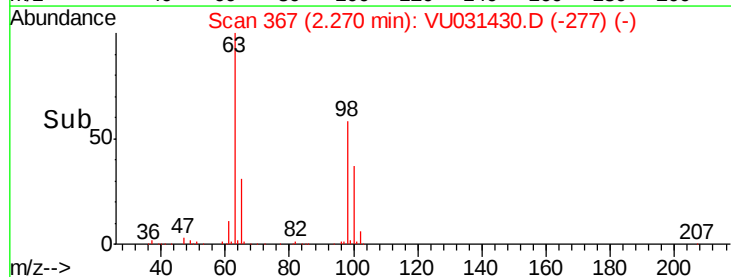
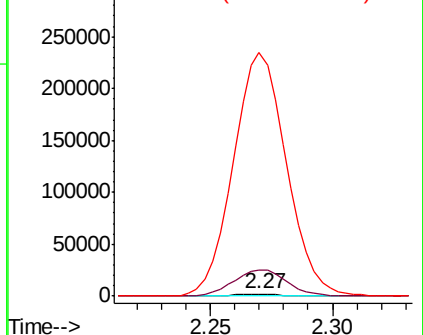
63 11946.2 99.3 184.3#

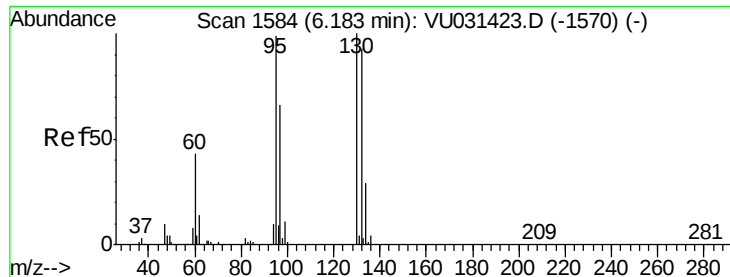


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#34

Trichloroethene

Concen: 63.285 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031430.D

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Instrument :

MSVOA_U

ClientSampleId :

C0XC6DL

Tgt Ion: 95 Resp: 287227

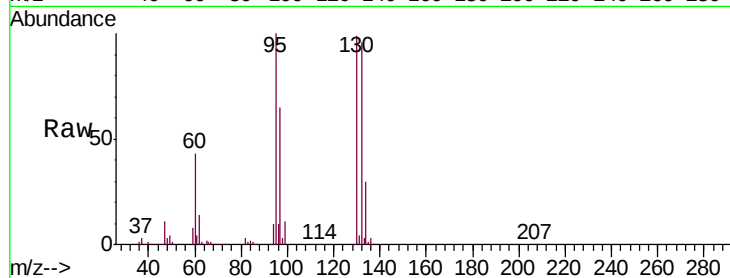
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.5

132 96.4 68.0 126.2

130 98.9 70.1 130.1

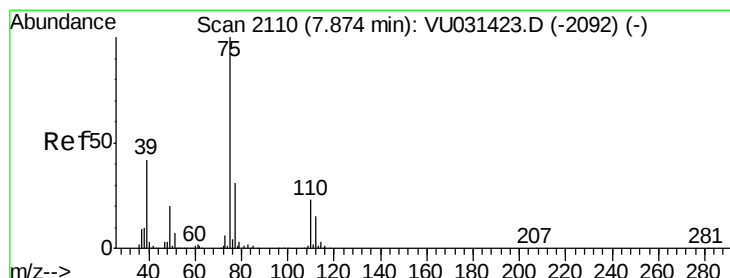
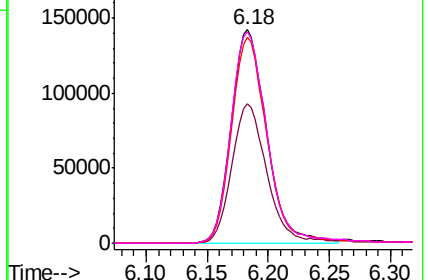
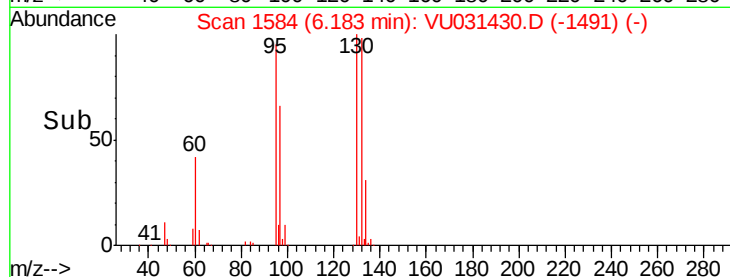


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.730 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031430.D

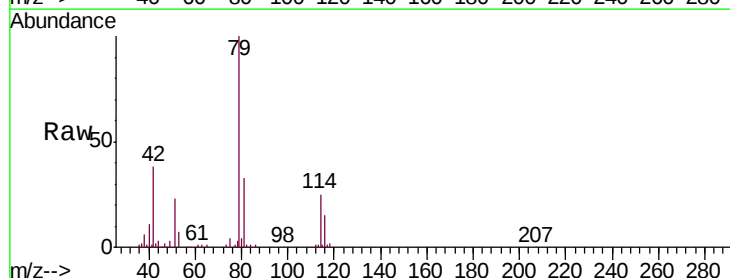
Acq: 23 Apr 2019 12:07

Tgt Ion: 75 Resp: 4299

Ion Ratio Lower Upper

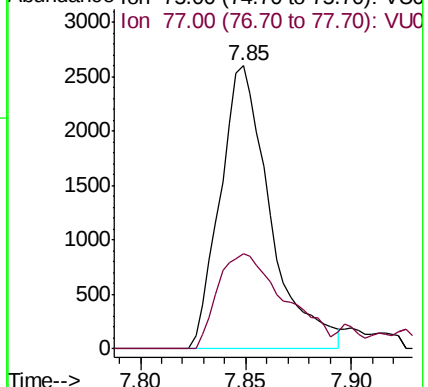
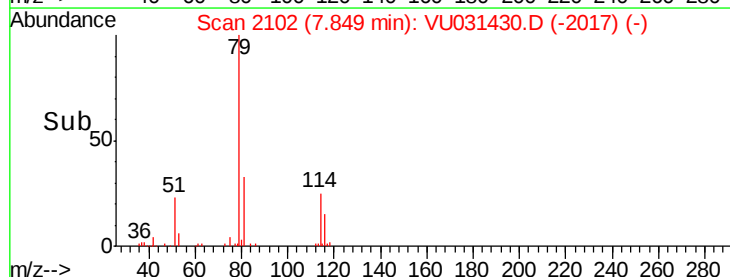
75 100

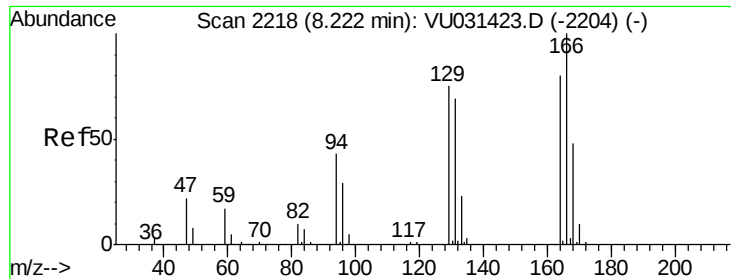
77 33.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

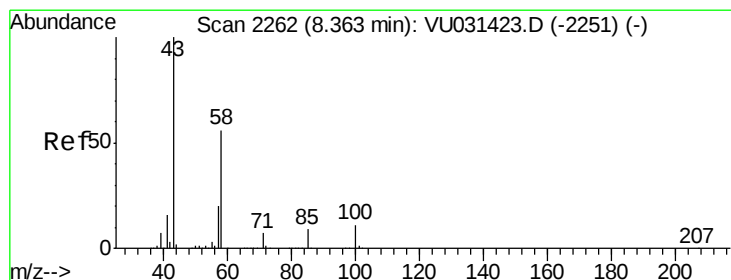
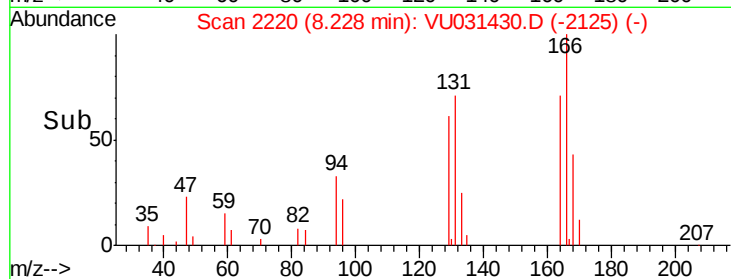
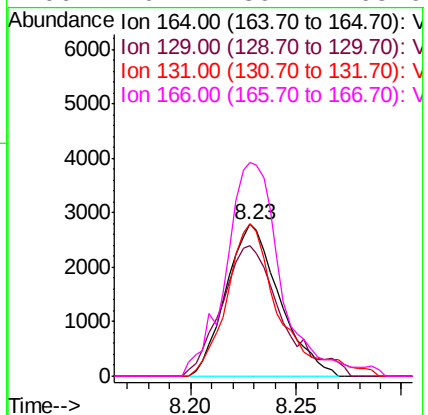
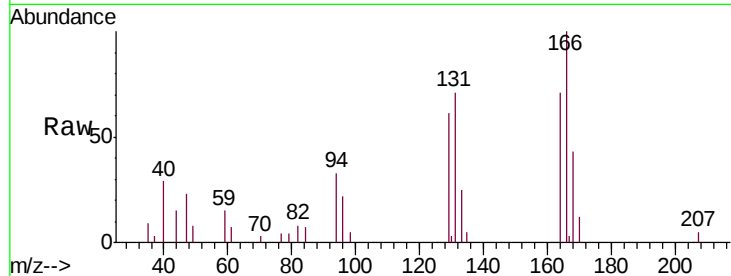




#46
Tetrachloroethene
Concen: 1.529 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU031430.D
Acq: 23 Apr 2019 12:07

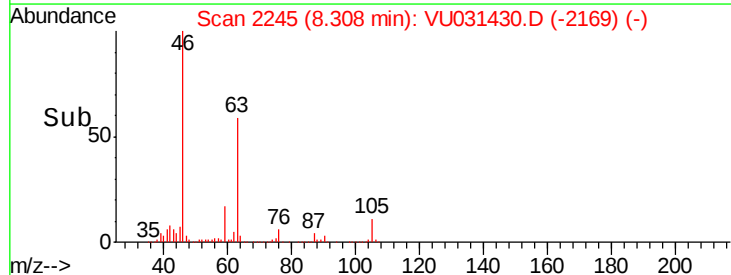
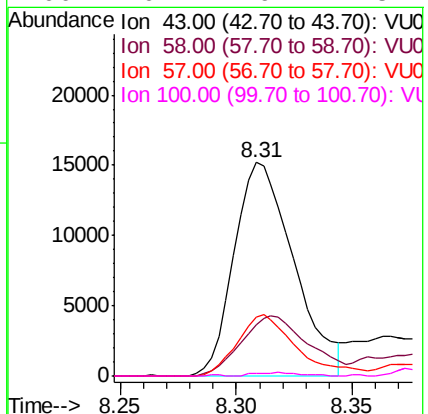
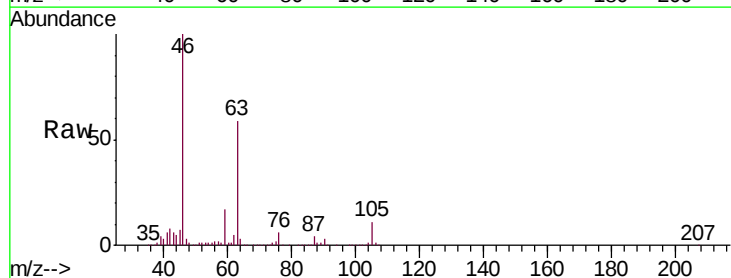
Instrument :
MSVOA_U
ClientSampleId :
C0XC6DL

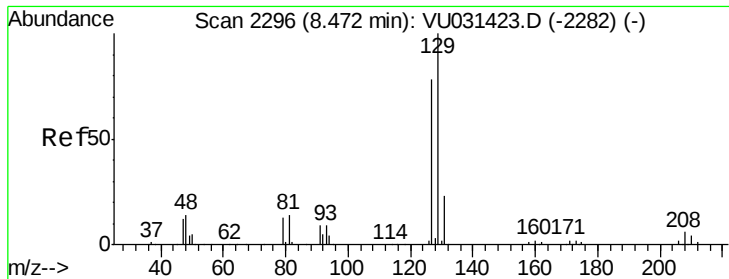
Tgt Ion:	164	Resp:	4922
Ion	Ratio	Lower	Upper
164	100		
129	85.6	65.2	121.0
131	100.4	61.4	114.0
166	140.7	89.2	165.6



#48
2-Hexanone
Concen: 5.018 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031430.D
Acq: 23 Apr 2019 12:07

Tgt Ion:	43	Resp:	27158
Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.5	68.3#
57	0.0	15.2	22.8#
100	0.4	9.1	13.7#





#49

Dibromochloromethane

Concen: 0.957 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU031430.D

Acq: 23 Apr 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

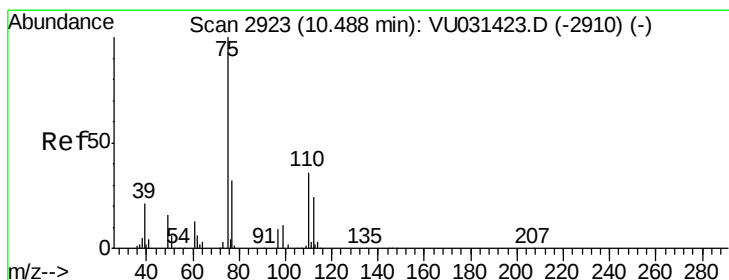
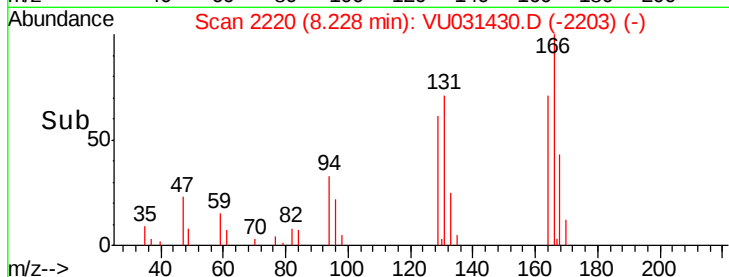
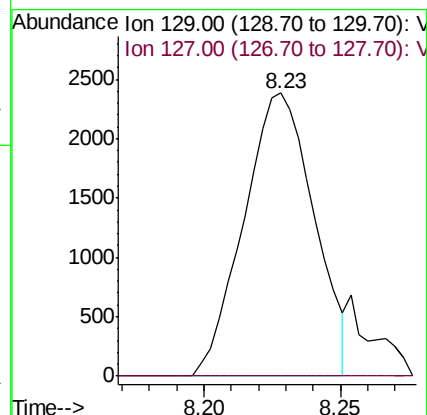
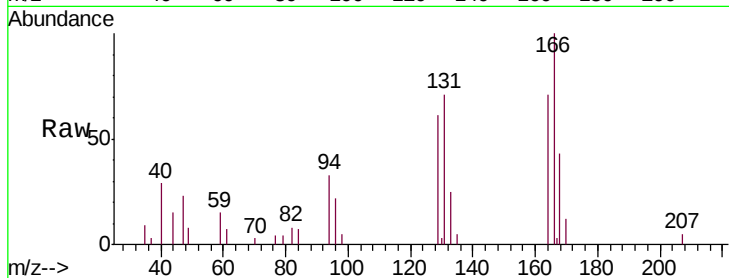
C0XC6DL

Tgt Ion: 129 Resp: 4258

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#59

1,2,3-Trichloropropane

Concen: 5.005 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031430.D

Acq: 23 Apr 2019 12:07

Tgt Ion: 75 Resp: 28202

Ion Ratio Lower Upper

75 100

77 35.4 25.6 38.4

