

Data File : VU032085.D
Acq On : 17 May 2019 07:01
Operator : JC/SP
Sample : K2859-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W26

Quant Time: May 17 08:46:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 08:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	384392	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	408270	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	161456	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	142775	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.68	69	120848	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.27	63	200509	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.20	46	284840	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	4.64	84	252490	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.31	65	129433	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.33	84	529555	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.32	67	153437	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.56	98	442671	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.85	79	48359	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.31	63	287053	48.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124804	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	163126	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

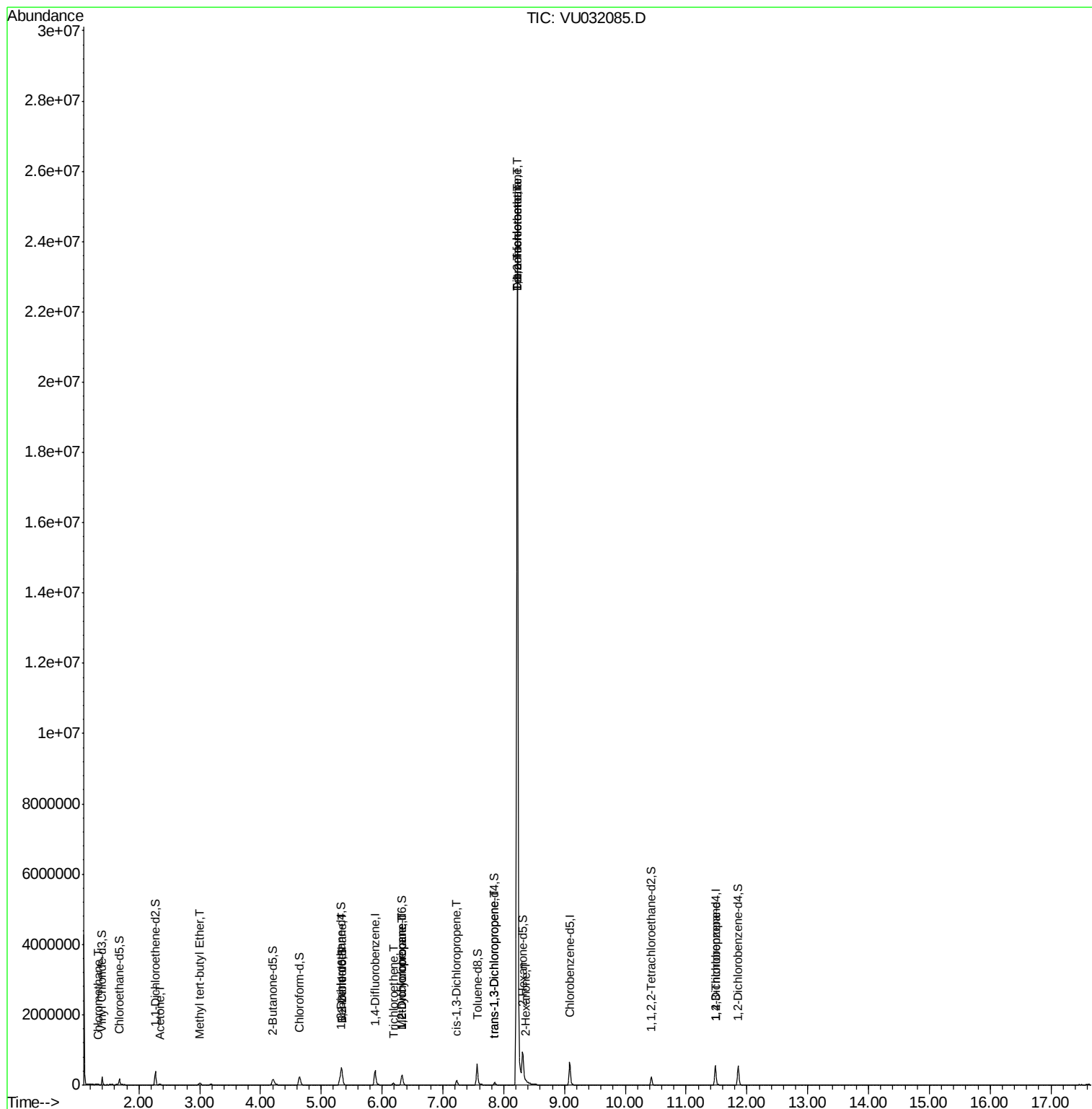
						Qvalue
3) Chloromethane	1.32	50	3812	0.206	ug/L	94
13) Acetone	2.34	43	4369	2.094	ug/L	77
17) Methyl tert-butyl Ether	3.00	73	45788	1.262	ug/L	97
27) 1,2-Dichloroethane	5.34	62	3025	0.187	ug/L	97
34) Trichloroethene	6.19	95	21009	1.235	ug/L	97
35) Methylcyclohexane	6.33	83	39028	1.594	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	16604	1.083	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3097	0.146	ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	1996	0.121	ug/L	87
45) 1,1,2-Trichloroethane	8.22	97	46042	4.066	ug/L #	1
47) Tetrachloroethene	8.22	164	6159285	484.523	ug/L	95
48) 2-Hexanone	8.37	43	12268	2.226	ug/L #	81
49) Dibromochloromethane	8.22	129	5694841	436.414	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	17300	1.777	ug/L	89

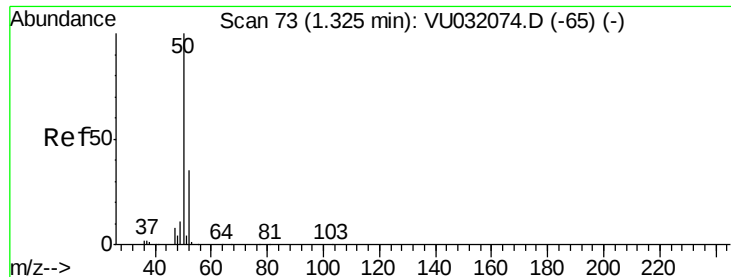
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.206 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Instrument :

MSVOA_U

ClientSampleId :

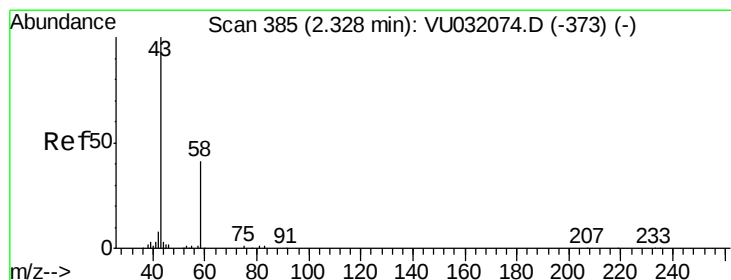
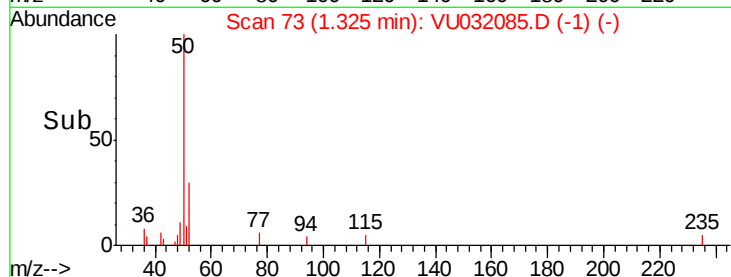
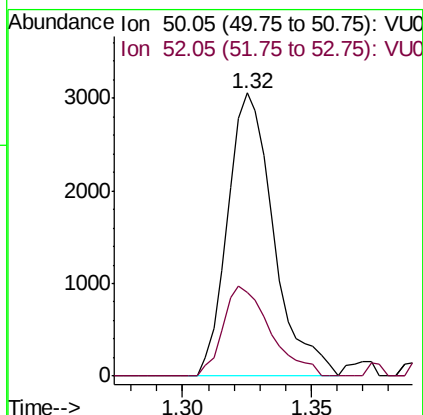
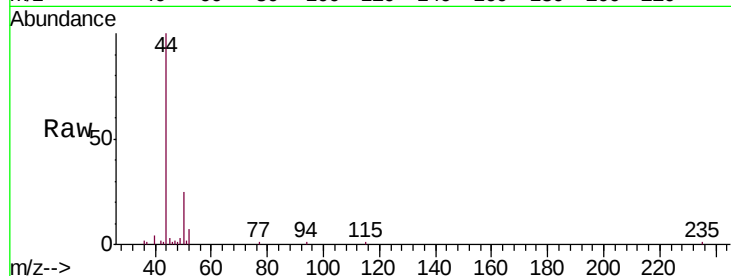
F9W26

Tgt Ion: 50 Resp: 3812

Ion Ratio Lower Upper

50 100

52 29.7 23.2 43.0



#13

Acetone

Concen: 2.094 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU032085.D

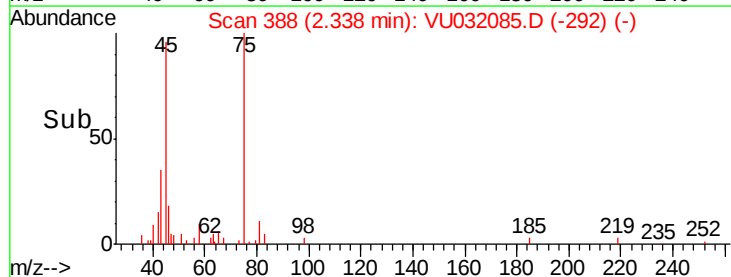
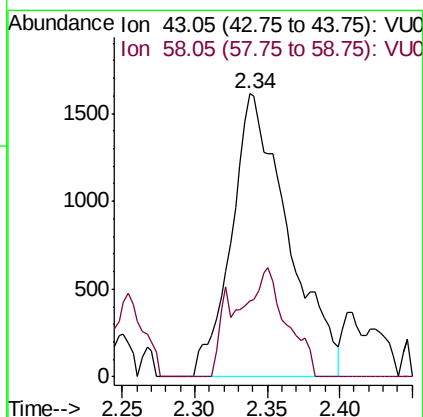
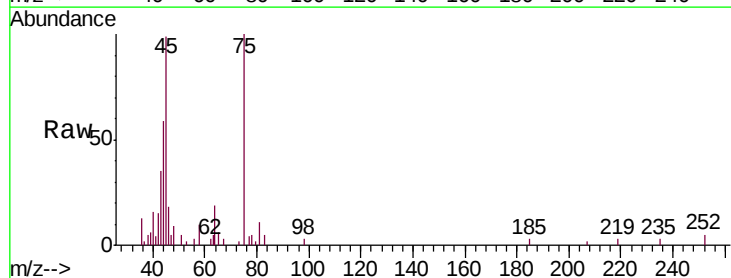
Acq: 17 May 2019 07:01

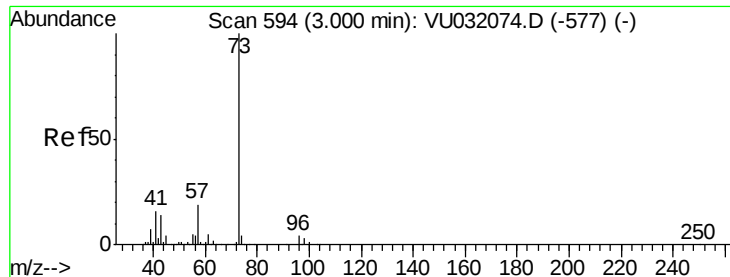
Tgt Ion: 43 Resp: 4369

Ion Ratio Lower Upper

43 100

58 25.0 0.0 78.8

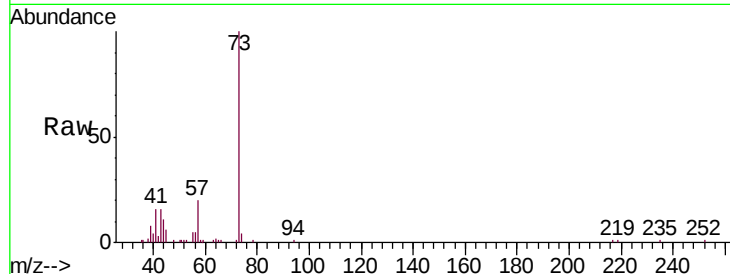




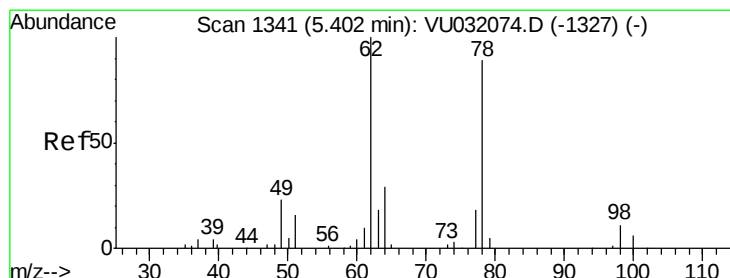
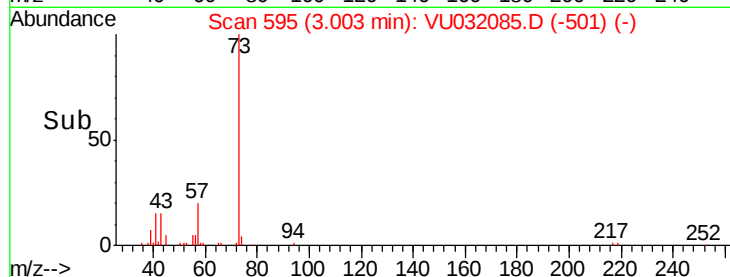
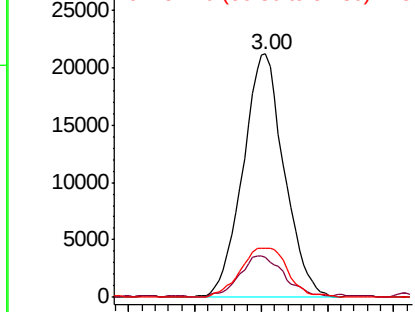
#17
Methyl tert-butyl Ether
Concen: 1.262 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU032085.D
Acq: 17 May 2019 07:01

Instrument :
MSVOA_U
ClientSampled :
F9W26

Tgt Ion: 73 Resp: 45788
Ion Ratio Lower Upper
73 100
43 18.6 13.0 19.6
57 23.0 17.9 26.9

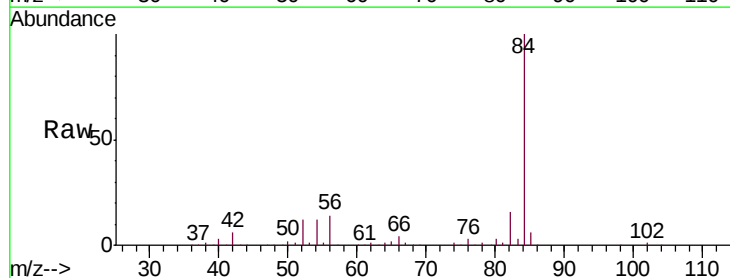


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

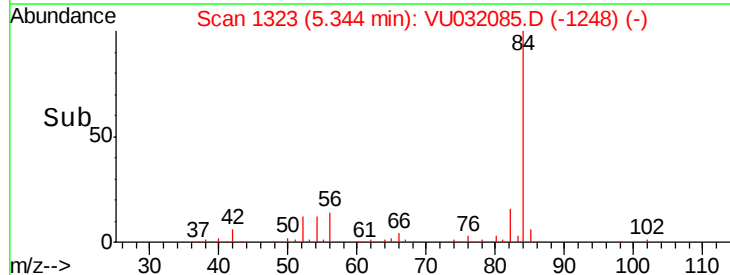
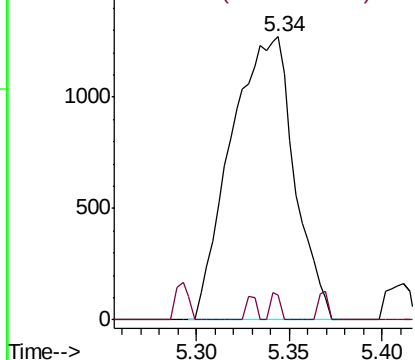


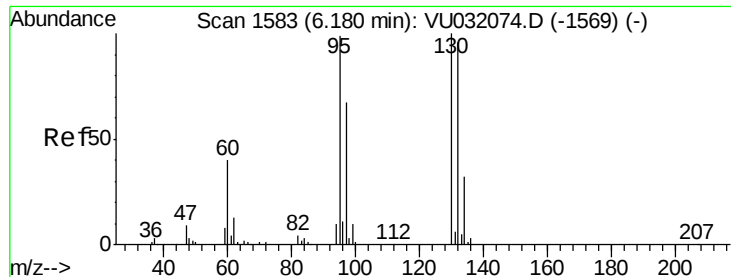
#27
1,2-Dichloroethane
Concen: 0.187 ug/L
RT: 5.34 min Scan# 1323
Delta R.T. -0.06 min
Lab File: VU032085.D
Acq: 17 May 2019 07:01

Tgt Ion: 62 Resp: 3025
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

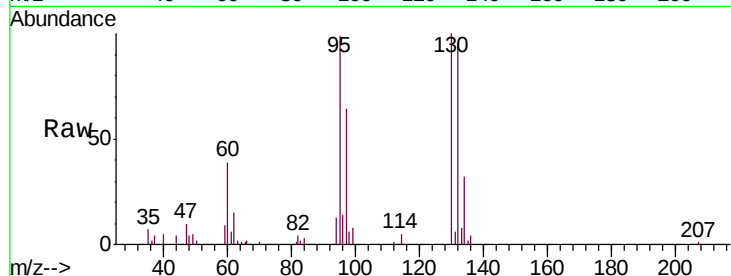




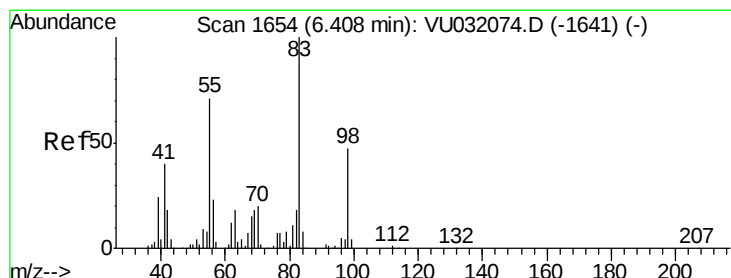
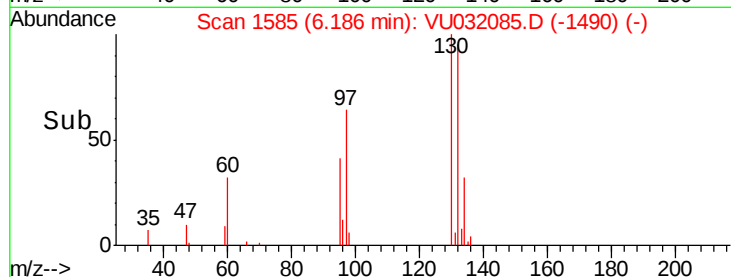
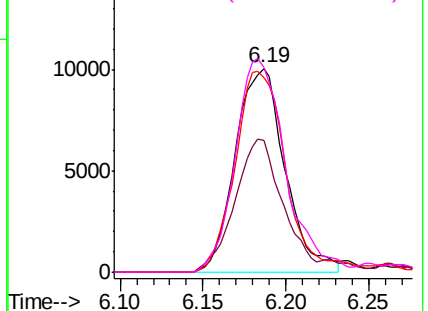
#34
 Trichloroethene
 Concen: 1.235 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU032085.D
 Acq: 17 May 2019 07:01

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W26

Tgt Ion:	95	Resp:	21009
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	95.7	66.1	122.7
130	100.8	66.7	123.9

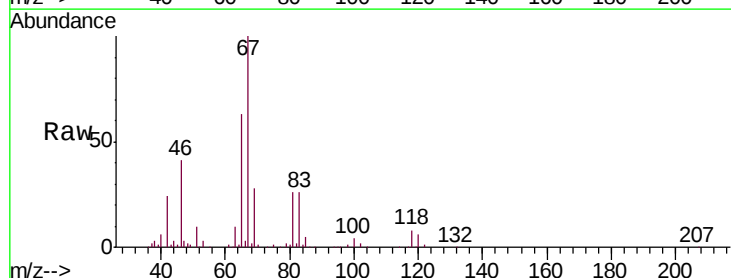


Abundance Ion 95.00 (94.70 to 95.70): VU032074.D (-1569) (-)
 Ion 96.95 (96.65 to 97.65): VU032074.D (-1569) (-)
 Ion 131.95 (131.65 to 132.65): VU032074.D (-1569) (-)
 Ion 129.95 (129.65 to 130.65): VU032074.D (-1569) (-)

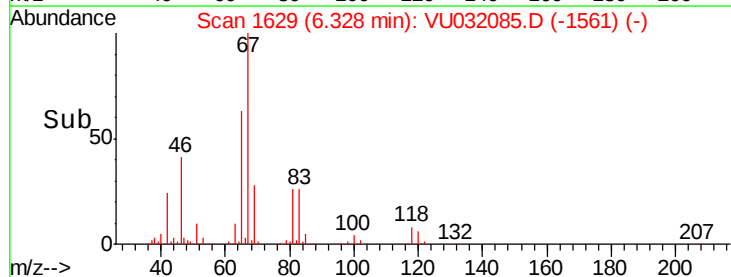
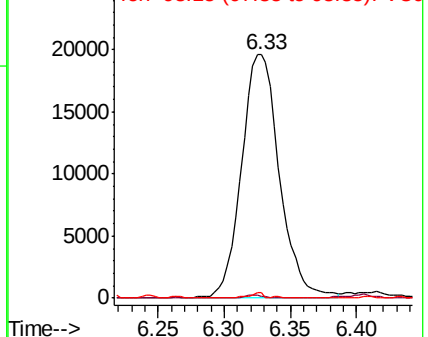


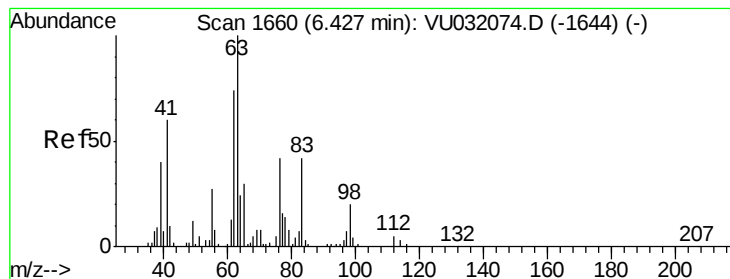
#35
 Methylcyclohexane
 Concen: 1.594 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU032085.D
 Acq: 17 May 2019 07:01

Tgt Ion:	83	Resp:	39028
Ion	Ratio	Lower	Upper
83	100		
55	0.5	59.7	89.5#
98	0.7	36.8	55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU032074.D (-1641) (-)
 Ion 55.10 (54.80 to 55.80): VU032074.D (-1641) (-)
 Ion 98.15 (97.85 to 98.85): VU032074.D (-1641) (-)





#37

1,2-Dichloropropane

Concen: 1.083 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Instrument :

MSVOA_U

ClientSampleId :

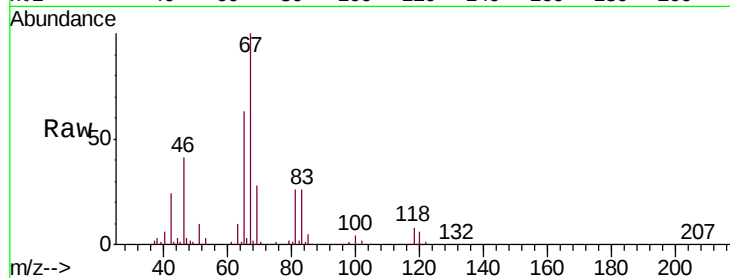
F9W26

Tgt Ion: 63 Resp: 16604

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU032074.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU032074.D (-1644) (-)

6.33

8000

6000

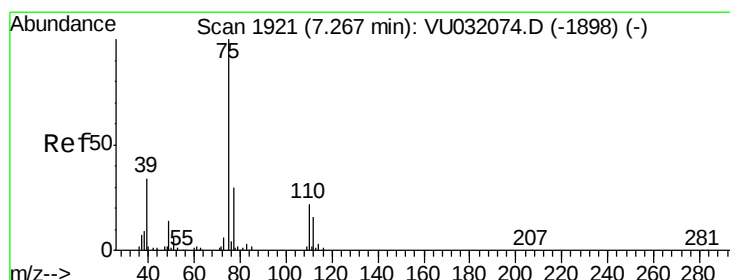
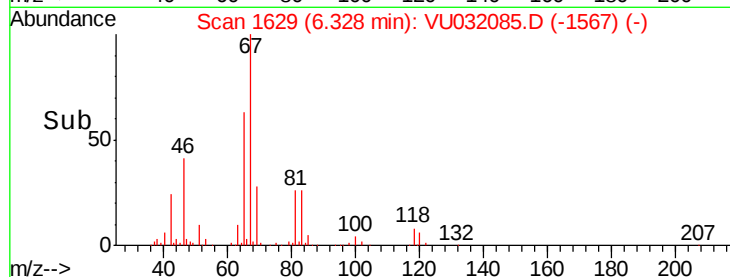
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.146 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032085.D

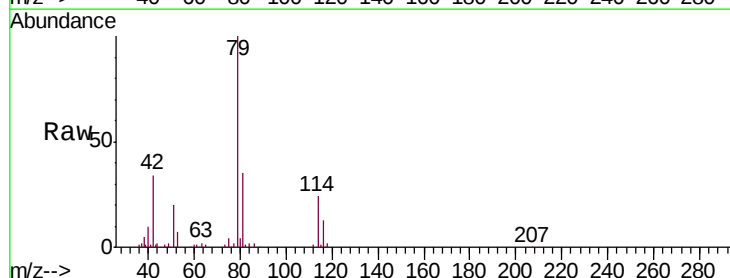
Acq: 17 May 2019 07:01

Tgt Ion: 75 Resp: 3097

Ion Ratio Lower Upper

75 100

77 51.9 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU032074.D (-1898) (-)

Ion 77.05 (76.75 to 77.75): VU032074.D (-1898) (-)

7.22

2000

1500

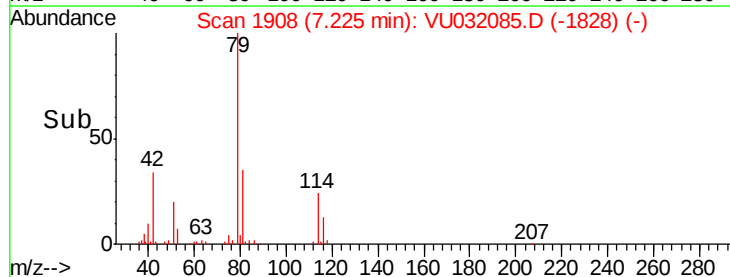
1000

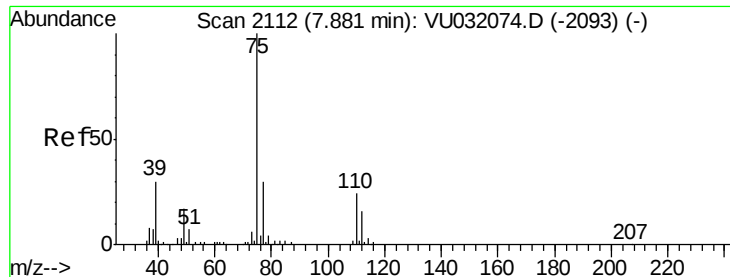
500

0

7.20 7.25 7.30

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Instrument :

MSVOA_U

ClientSampled :

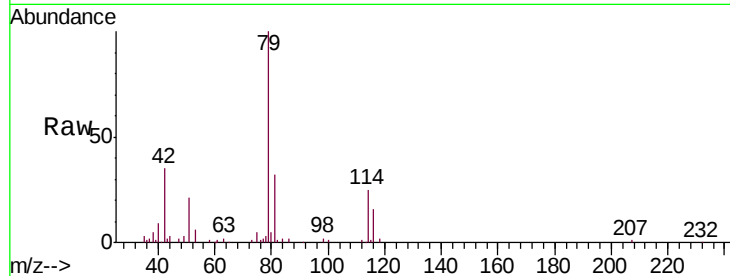
F9W26

Tgt Ion: 75 Resp: 1996

Ion Ratio Lower Upper

75 100

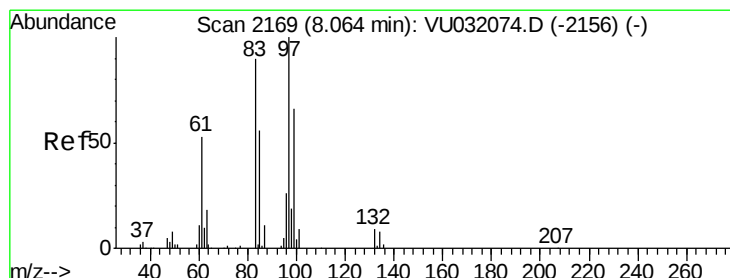
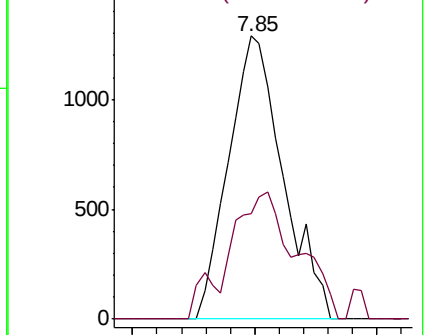
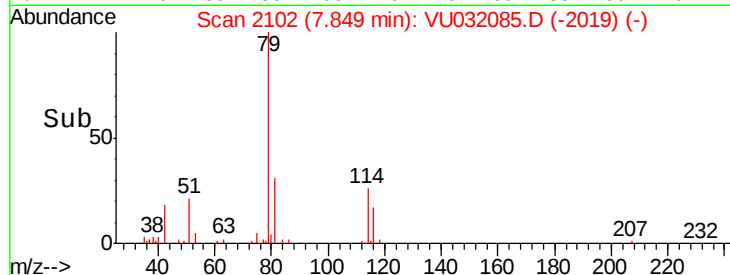
77 37.3 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032074.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032074.D (-2093) (-)

Time-->



#45

1,1,2-Trichloroethane

Concen: 4.066 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Tgt Ion: 97 Resp: 46042

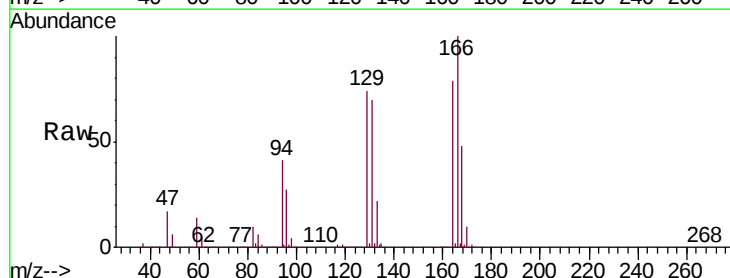
Ion Ratio Lower Upper

97 100

99 17.1 40.7 75.7#

83 274.5 59.6 110.8#

85 39.4 37.3 69.3



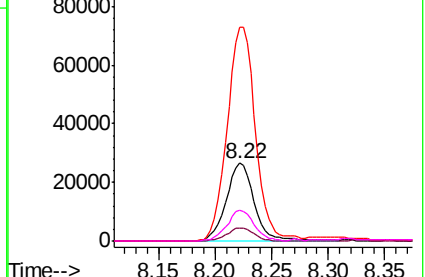
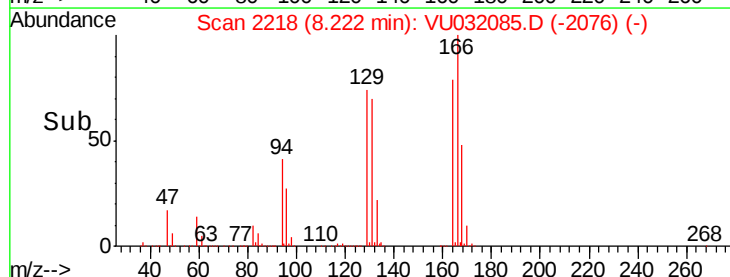
Abundance Ion 96.95 (96.65 to 97.65): VU032074.D (-2156) (-)

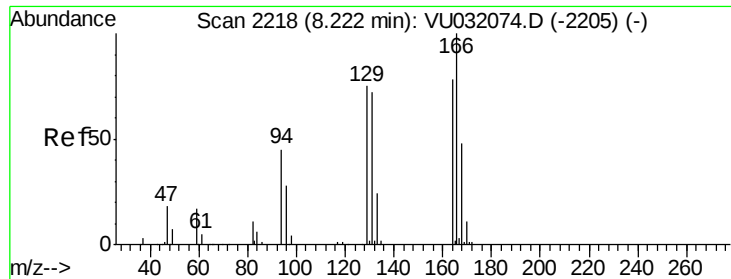
Ion 99.05 (98.75 to 99.75): VU032074.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU032074.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU032074.D (-2156) (-)

Time-->

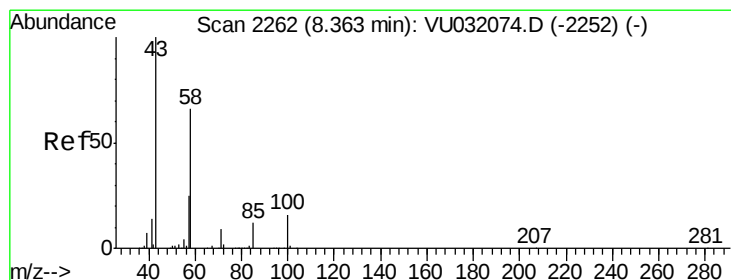
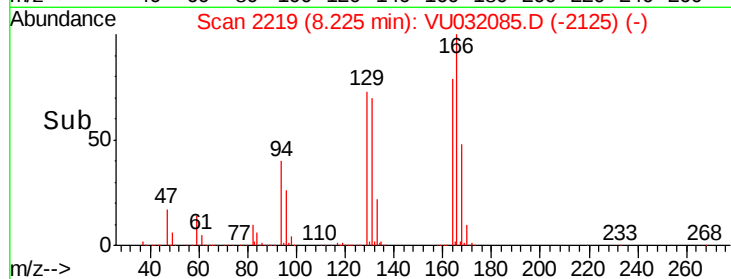
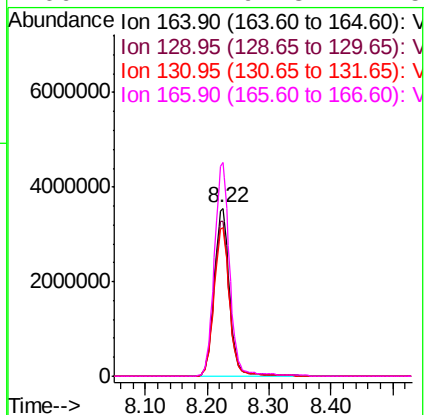
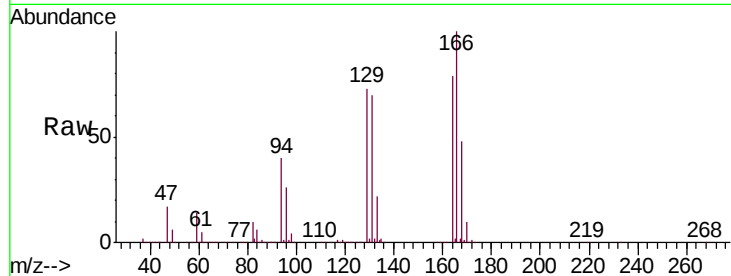




#47
Tetrachloroethene
Concen: 484.523 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032085.D
Acq: 17 May 2019 07:01

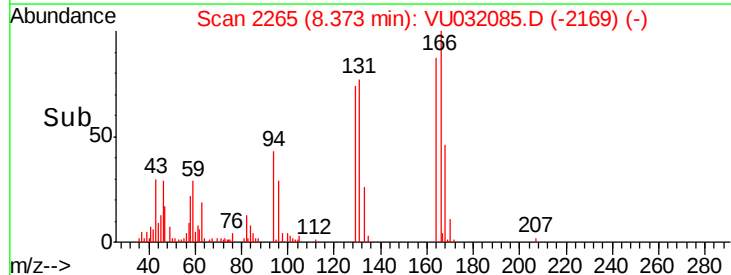
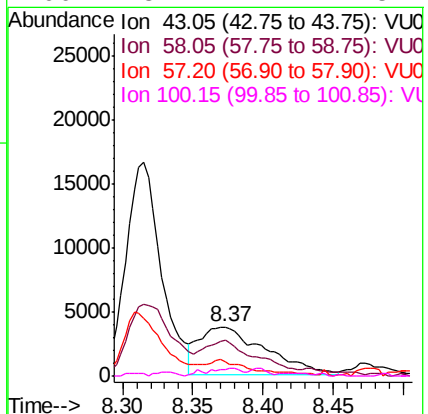
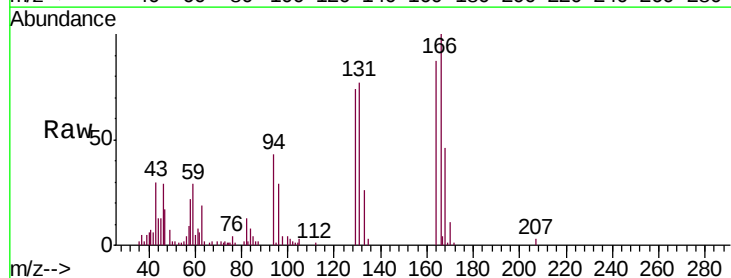
Instrument :
MSVOA_U
ClientSampleId :
F9W26

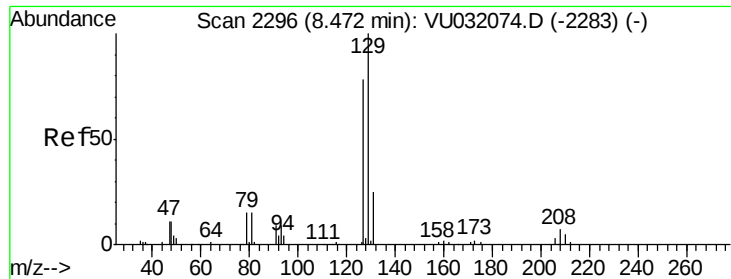
Tgt Ion:164 Resp: 6159285
Ion Ratio Lower Upper
164 100
129 92.6 70.3 130.5
131 88.9 64.5 119.9
166 127.4 92.3 171.5



#48
2-Hexanone
Concen: 2.226 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032085.D
Acq: 17 May 2019 07:01

Tgt Ion: 43 Resp: 12268
Ion Ratio Lower Upper
43 100
58 47.1 51.6 77.4#
57 20.7 18.4 27.6
100 5.2 12.2 18.4#





#49

Dibromochloromethane

Concen: 436.414 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Instrument :

MSVOA_U

ClientSampleId :

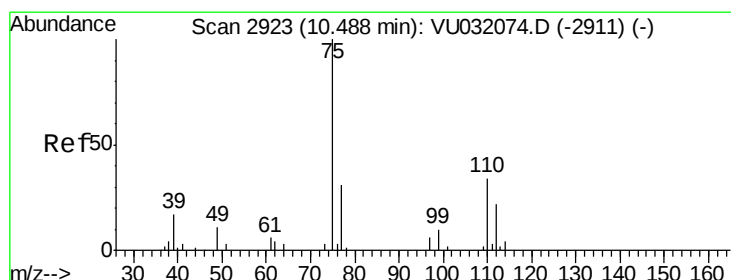
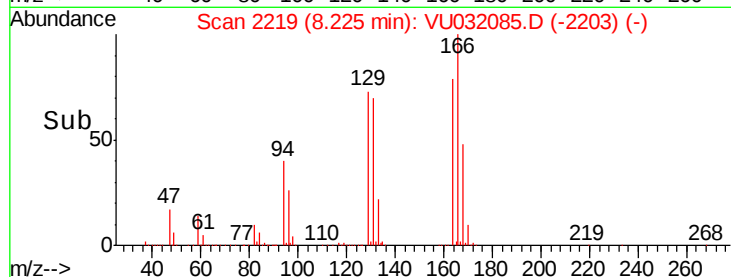
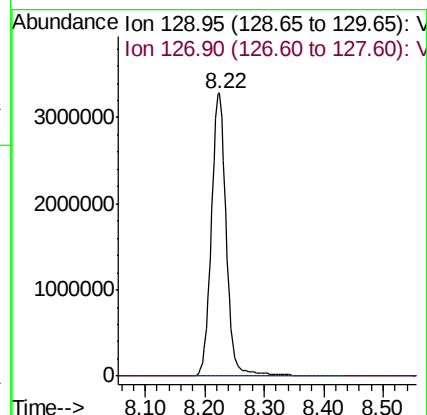
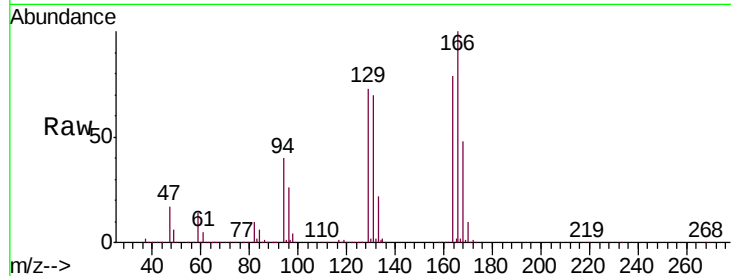
F9W26

Tgt Ion:129 Resp: 5694841

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#59

1,2,3-Trichloropropane

Concen: 1.777 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032085.D

Acq: 17 May 2019 07:01

Tgt Ion: 75 Resp: 17300

Ion Ratio Lower Upper

75 100

77 38.7 26.2 39.2

