

Data File : VU033171.D
Acq On : 03 Jul 2019 14:28
Operator : JC/SP
Sample : K3598-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM85

Quant Time: Jul 04 01:23:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 04 01:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	77575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	81920	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	35850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34134	7.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	152.00%#
7) Chloroethane-d5	1.68	69	27299	6.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	133.00%#
11) 1,1-Dichloroethene-d2	2.27	63	51997	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.19	46	92037	56.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.60%
24) Chloroform-d	4.64	84	60005	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.31	65	35326	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.33	84	113601	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
36) 1,2-Dichloropropane-d6	6.33	67	36917	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.56	98	94563	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.85	79	13432	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.31	63	59915	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	30025	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	37420	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

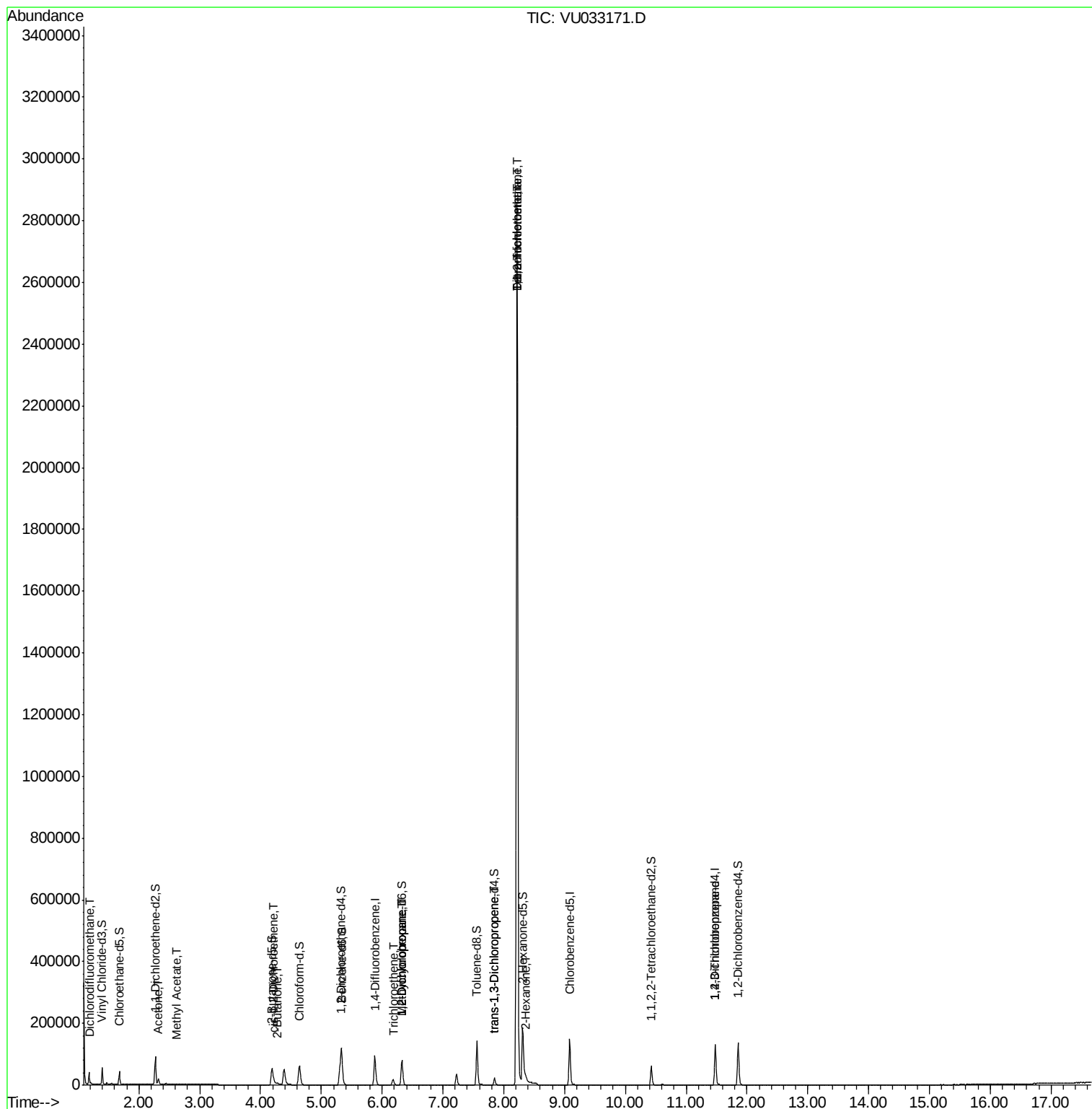
						Qvalue
2) Dichlorodifluoromethane	1.20	85	1601	0.201	ug/L	90
13) Acetone	2.32	43	17316	13.176	ug/L	98
15) Methyl Acetate	2.61	43	698	0.224	ug/L #	55
21) 2-Butanone	4.28	43	8106	4.264	ug/L #	69
22) cis-1,2-Dichloroethene	4.22	96	664	0.108	ug/L	69
34) Trichloroethene	6.18	95	6030	0.916	ug/L	98
35) Methylcyclohexane	6.32	83	8348	0.852	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	4369	0.658	ug/L #	88
44) trans-1,3-Dichloropropene	7.85	75	647	0.083	ug/L	92
45) 1,1,2-Trichloroethane	8.22	97	5311	1.140	ug/L #	5
47) Tetrachloroethene	8.22	164	603609	110.336	ug/L	97
48) 2-Hexanone	8.36	43	9612	2.874	ug/L #	89
49) Dibromochloromethane	8.22	129	578691	99.334	ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	4539	1.005	ug/L #	87

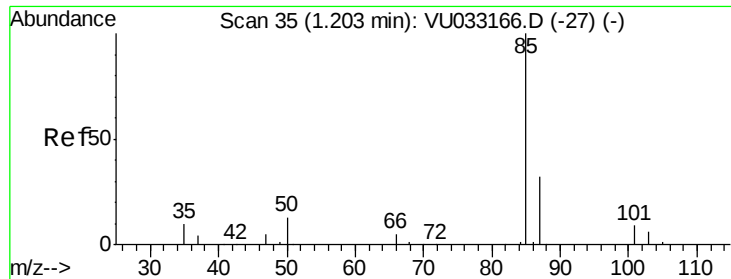
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.201 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

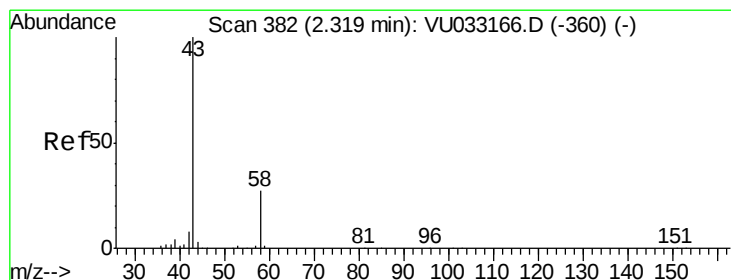
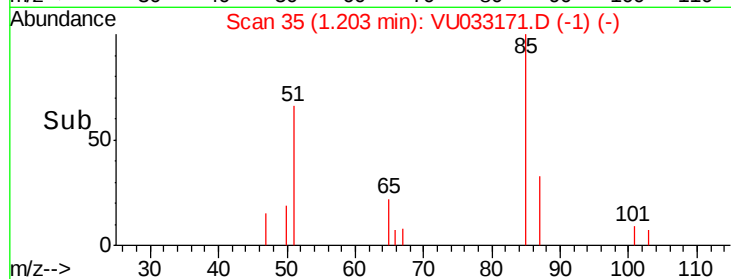
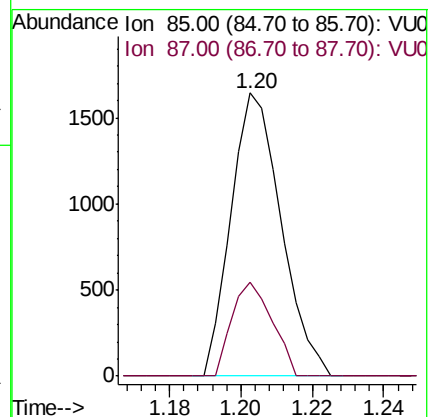
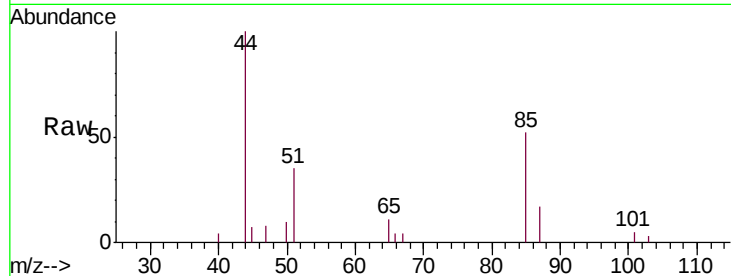
GAM85

Tgt Ion: 85 Resp: 1601

Ion Ratio Lower Upper

85 100

87 26.5 25.8 38.8



#13

Acetone

Concen: 13.176 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU033171.D

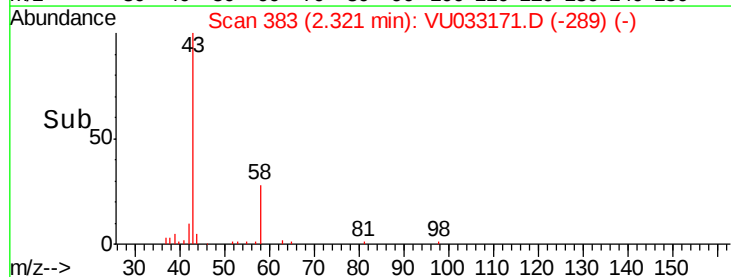
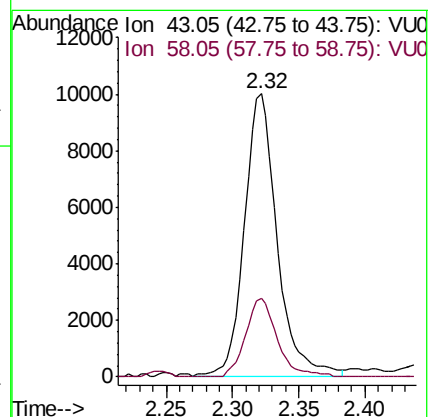
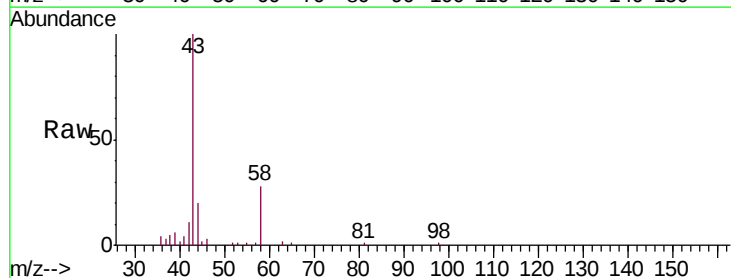
Acq: 03 Jul 2019 14:28

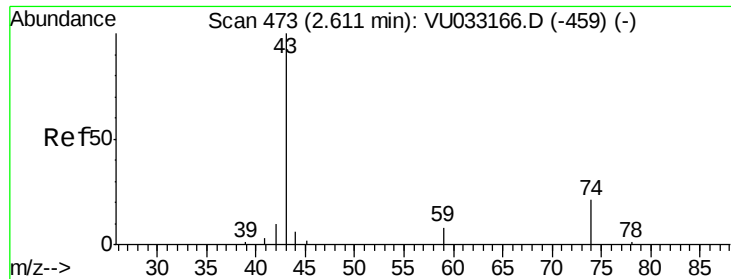
Tgt Ion: 43 Resp: 17316

Ion Ratio Lower Upper

43 100

58 26.7 0.0 55.4

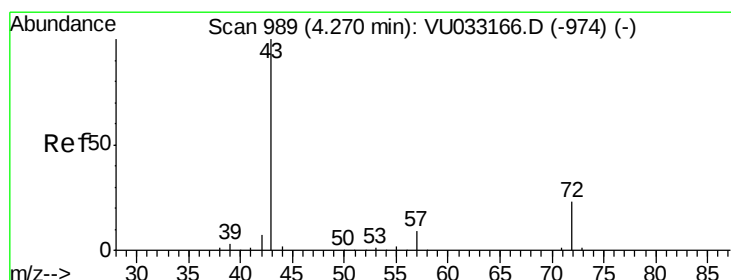
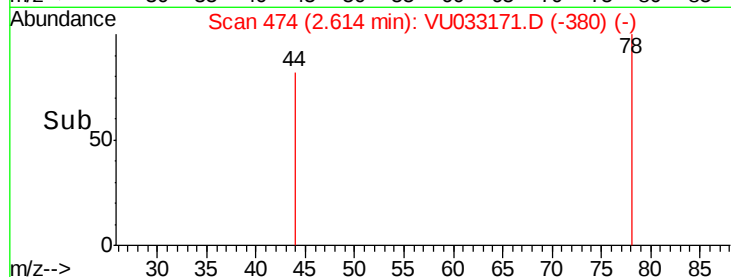
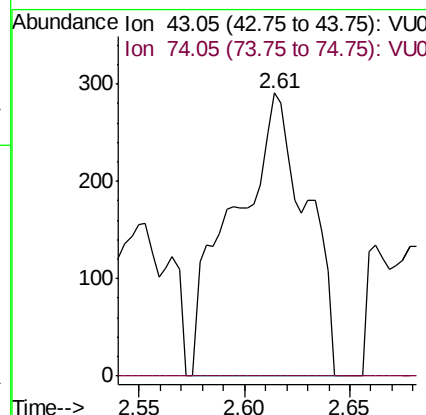
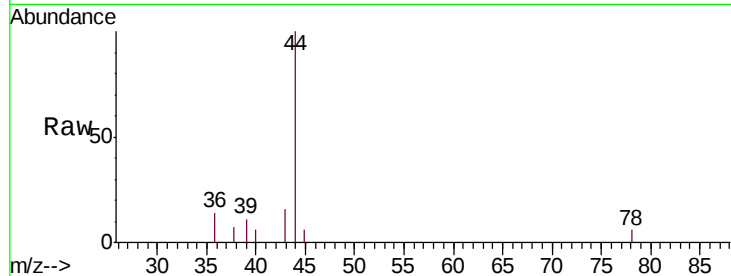




#15
Methyl Acetate
Concen: 0.224 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033171.D
Acq: 03 Jul 2019 14:28

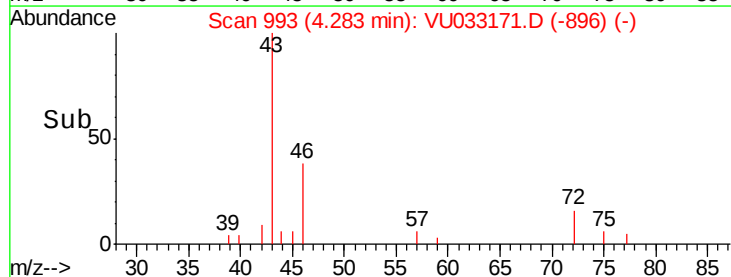
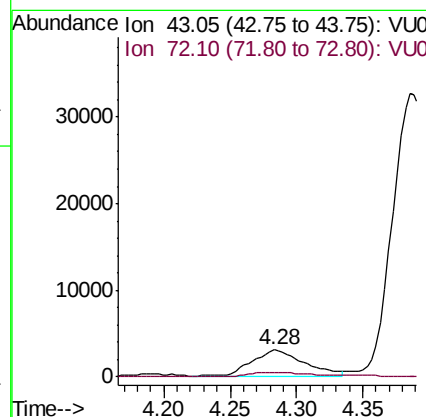
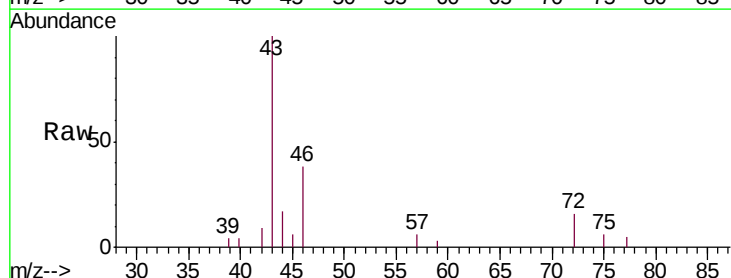
Instrument :
MSVOA_U
ClientSampled :
GAM85

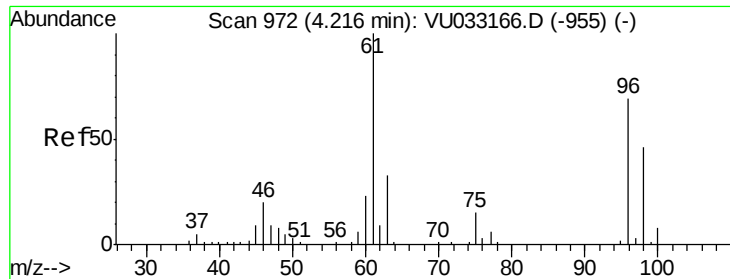
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#21
2-Butanone
Concen: 4.264 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VU033171.D
Acq: 03 Jul 2019 14:28

Tgt Ion: 43 Resp: 8106
Ion Ratio Lower Upper
43 100
72 9.0 12.1 36.3#



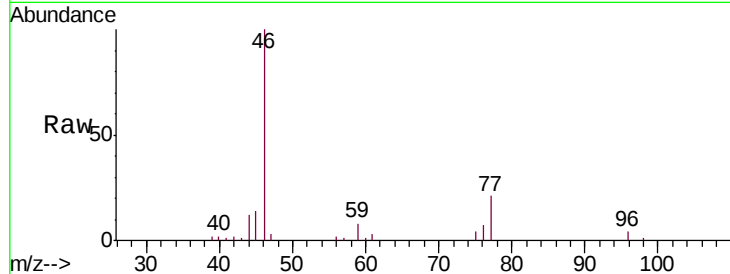


#22

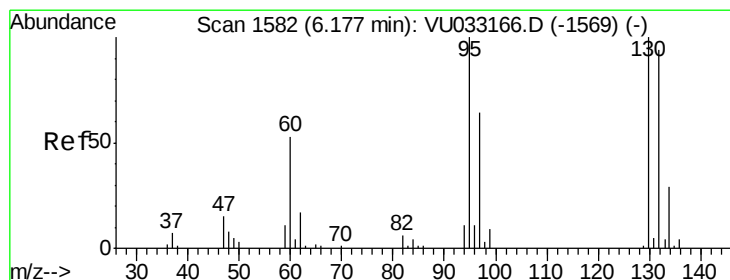
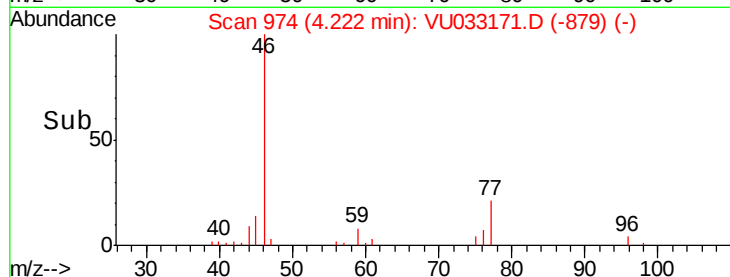
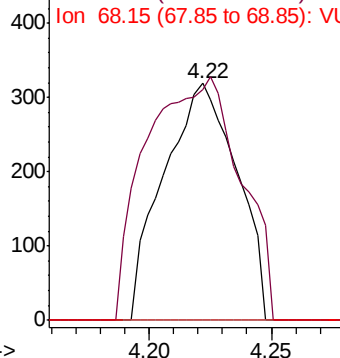
cis-1,2-Dichloroethene
 Concen: 0.108 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VU033171.D
 Acq: 03 Jul 2019 14:28

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM85

Tgt Ion: 96 Resp: 664
 Ion Ratio Lower Upper
 96 100
 61 97.5 93.9 174.5
 68 0.0 0.0 0.0



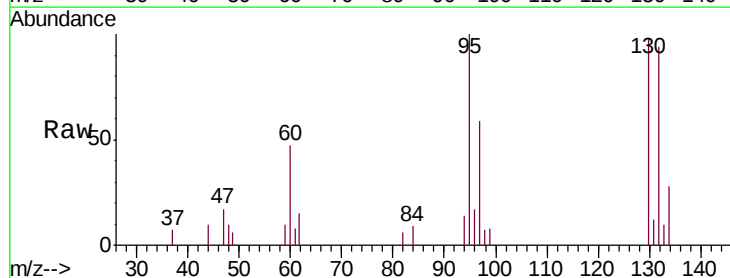
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



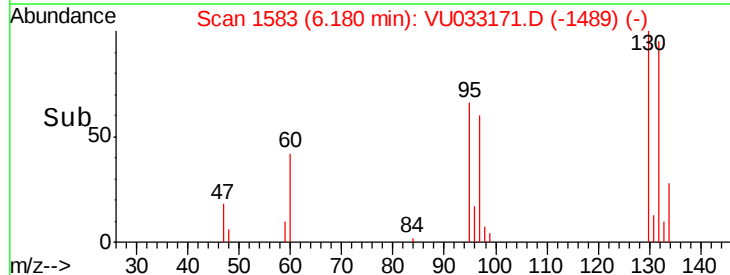
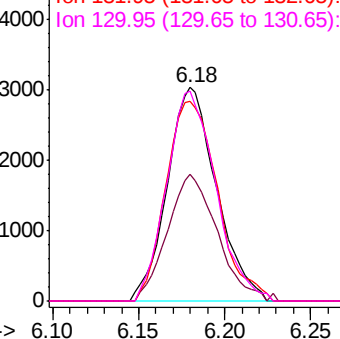
#34

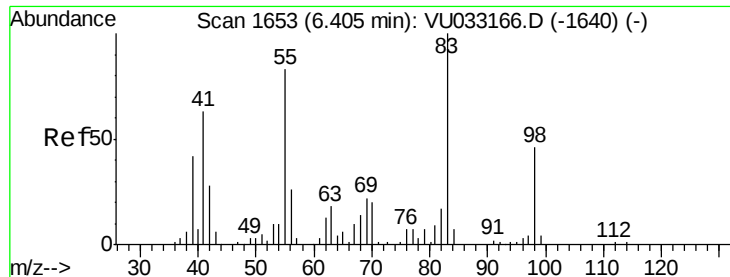
Trichloroethene
 Concen: 0.916 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU033171.D
 Acq: 03 Jul 2019 14:28

Tgt Ion: 95 Resp: 6030
 Ion Ratio Lower Upper
 95 100
 97 59.4 42.8 79.4
 132 93.6 64.6 120.0
 130 98.2 70.0 130.0



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.852 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

GAM85

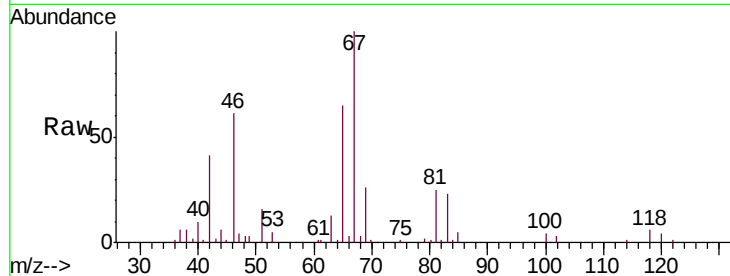
Tgt Ion: 83 Resp: 8348

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

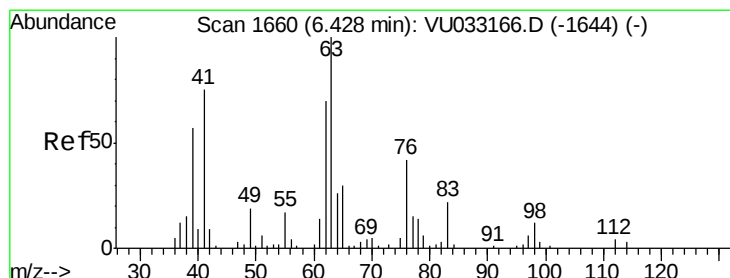
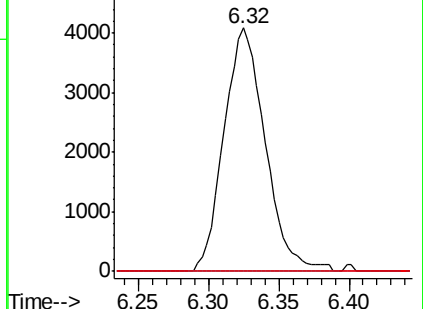
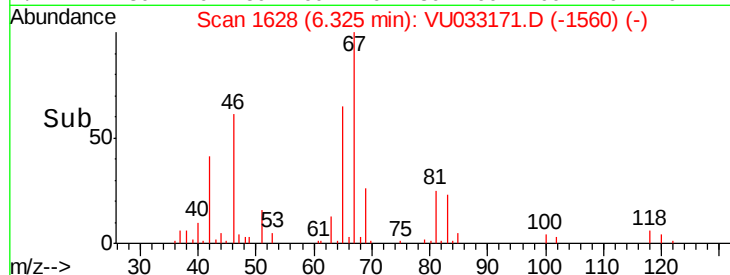
98 4.9 37.1 55.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.658 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU033171.D

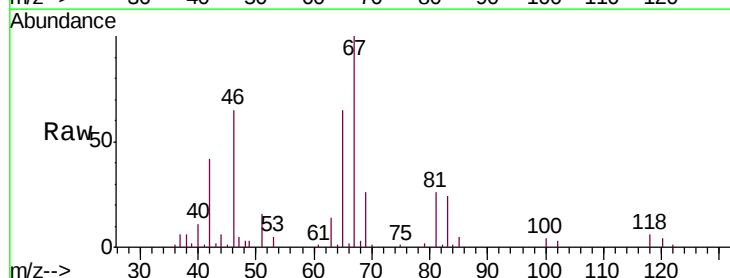
Acq: 03 Jul 2019 14:28

Tgt Ion: 63 Resp: 4369

Ion Ratio Lower Upper

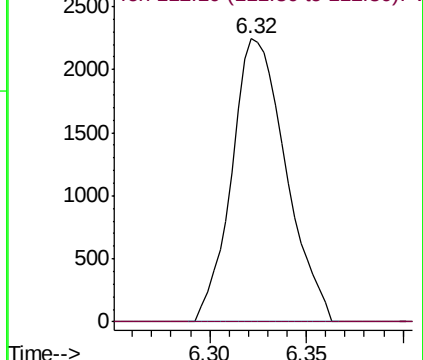
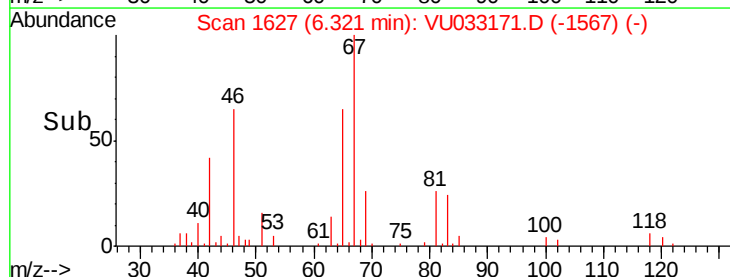
63 100

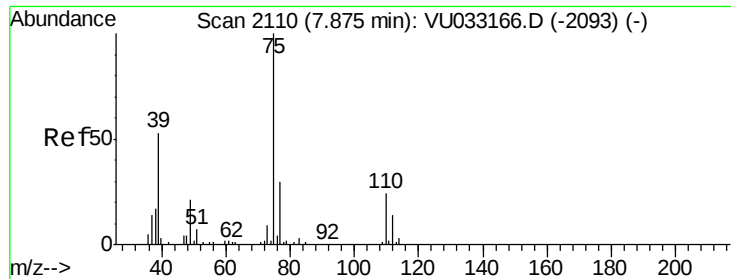
112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

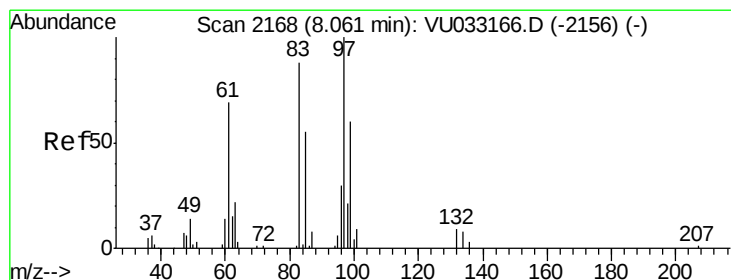
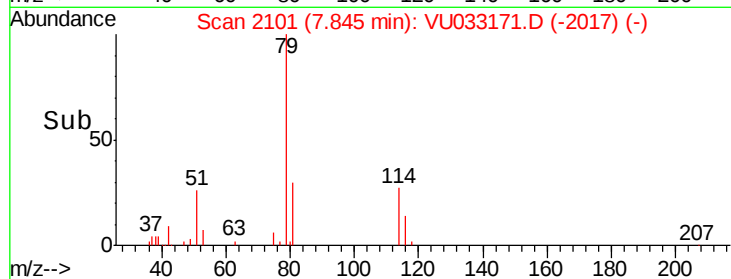
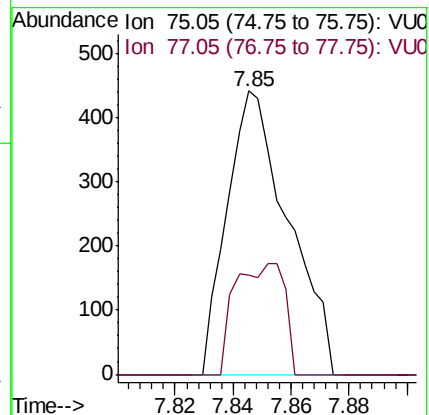
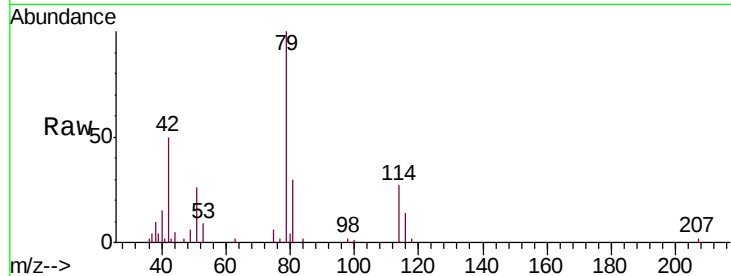
GAM85

Tgt Ion: 75 Resp: 647

Ion Ratio Lower Upper

75 100

77 35.1 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 1.140 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Tgt Ion: 97 Resp: 5311

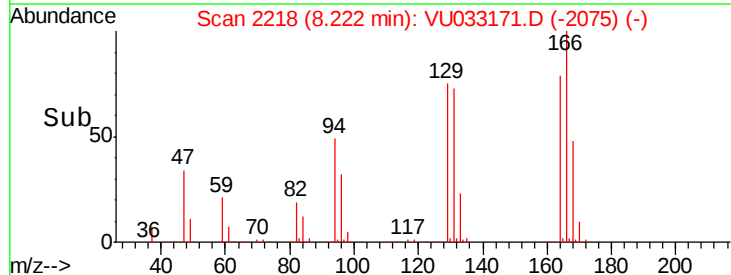
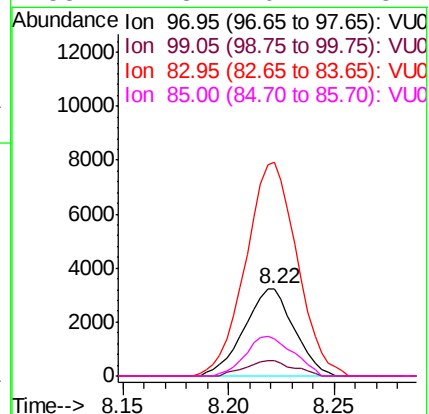
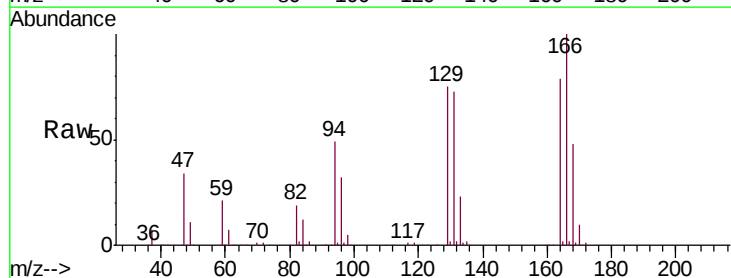
Ion Ratio Lower Upper

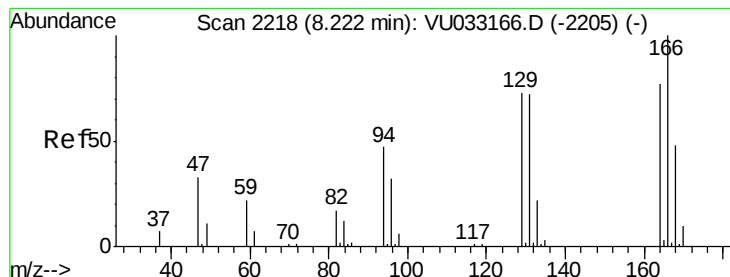
97 100

99 17.5 43.5 80.7#

83 244.2 60.8 112.8#

85 42.3 40.7 75.7





#47

Tetrachloroethene

Concen: 110.336 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Instrument :

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ClientSampleId :

GAM85

Tgt Ion:164 Resp: 603609

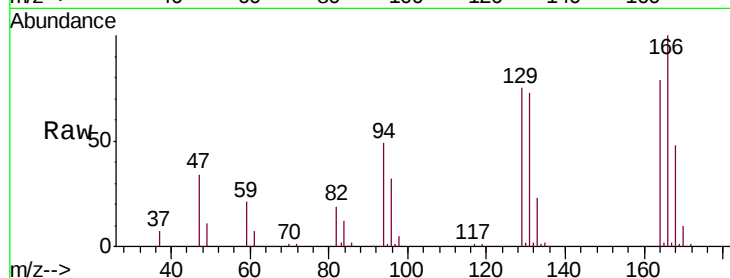
Ion Ratio Lower Upper

164 100

129 94.3 65.3 121.3

131 91.9 60.3 112.1

166 126.4 86.9 161.3

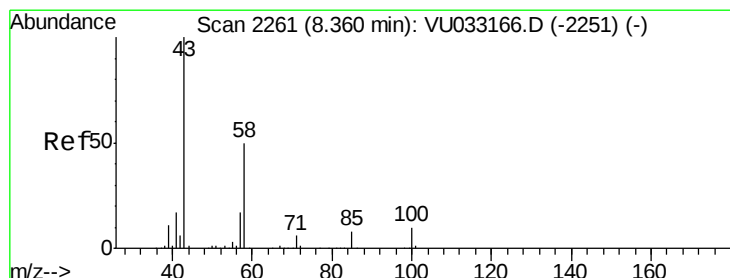
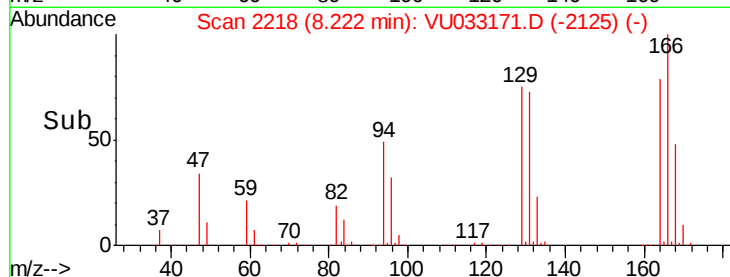
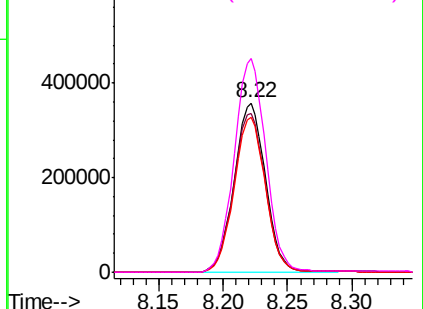


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.874 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Tgt Ion: 43 Resp: 9612

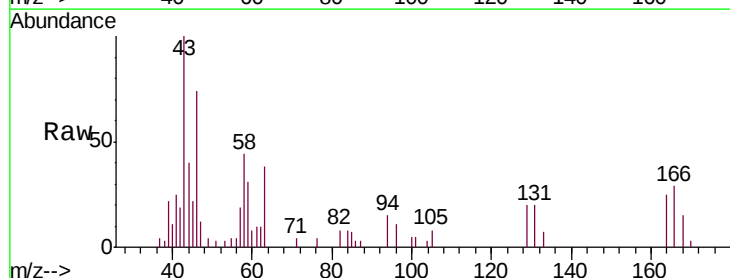
Ion Ratio Lower Upper

43 100

58 42.4 39.0 58.6

57 14.3 13.9 20.9

100 2.8 8.6 12.8#

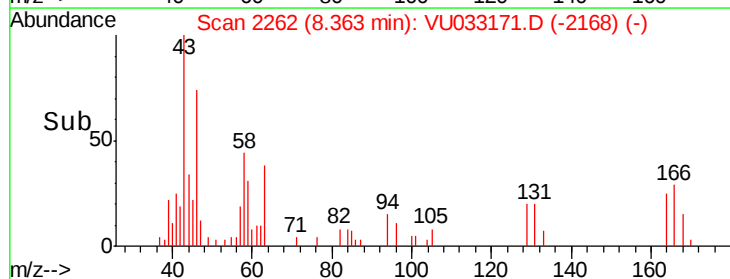
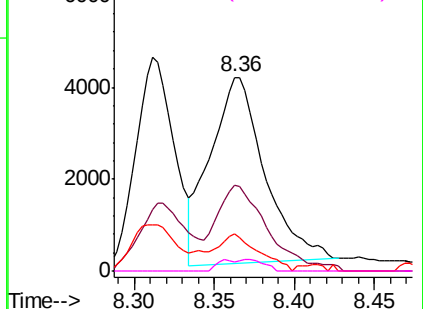


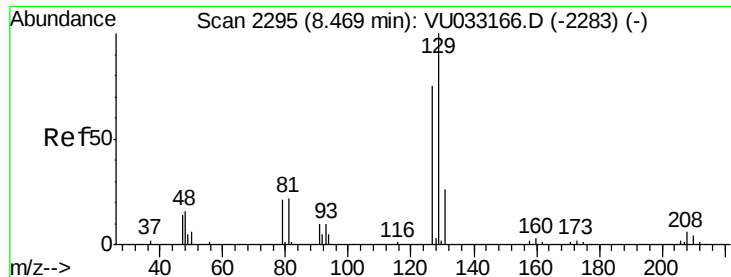
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 99.334 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU033171.D

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ClientSampleId :

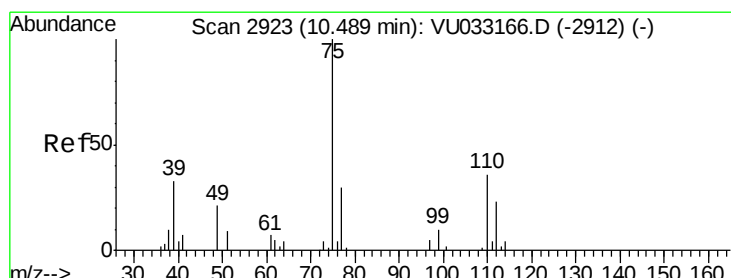
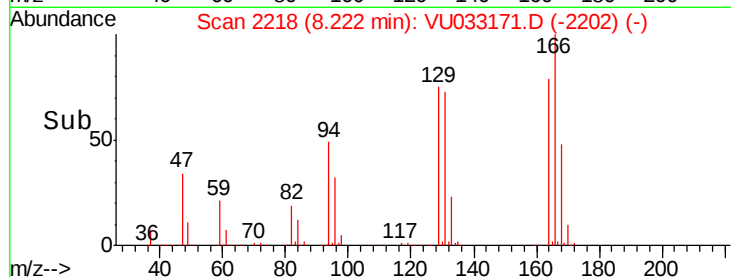
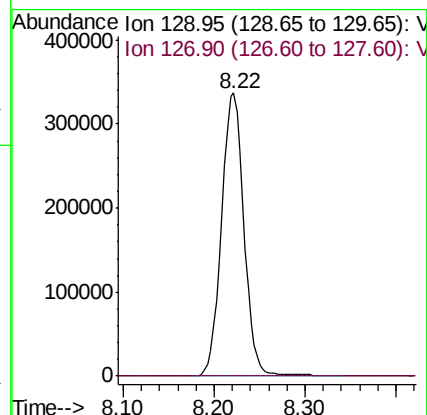
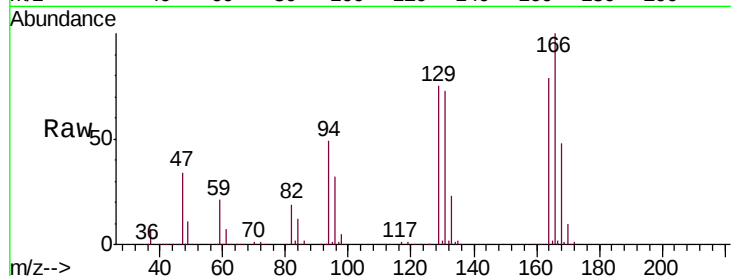
GAM85

Tgt Ion: 129 Resp: 578691

Ion Ratio Lower Upper

129 100

127 0.0 51.6 95.8#



#59

1,2,3-Trichloropropane

Concen: 1.005 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033171.D

Acq: 03 Jul 2019 14:28

Tgt Ion: 75 Resp: 4539

Ion Ratio Lower Upper

75 100

77 39.7 25.8 38.8#

