

Data File : VU032388.D
Acq On : 30 May 2019 17:45
Operator : JC/SP
Sample : K3081-05DL 20X
Misc : 5.39g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD5DL

Quant Time: May 31 04:39:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 04:34:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	804156	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	806643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	406580	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	217470	36.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.38%
7) Chloroethane-d5	1.67	69	203774	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.14%
11) 1,1-Dichloroethene-d2	2.26	63	328717	31.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.44%
21) 2-Butanone-d5	4.17	46	388769	99.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.66%
24) Chloroform-d	4.64	84	454125	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.30	65	284422	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.33	84	964034	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
36) 1,2-Dichloropropane-d6	6.32	67	300323	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.46%
41) Toluene-d8	7.56	98	923094	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.85	79	132400	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
47) 2-Hexanone-d5	8.31	63	319808	116.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.07%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	470027	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	398187	48.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.06%

Target Compounds

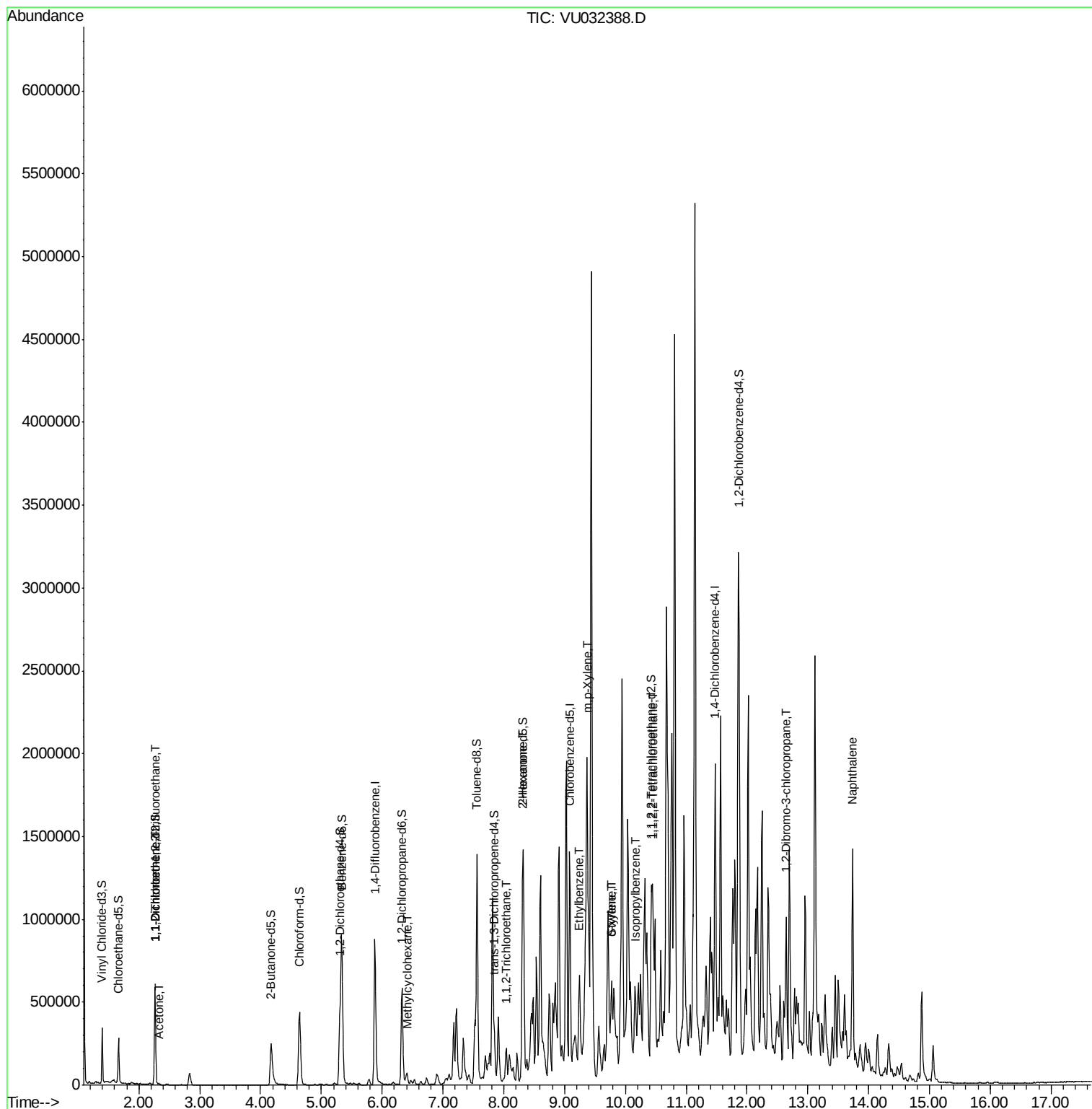
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3563	0.698 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	3274	0.629 ug/L #	1
13) Acetone	2.32	43	1797	0.489 ug/L	82
35) Methylcyclohexane	6.41	83	30068	3.393 ug/L	88
45) 1,1,2-Trichloroethane	8.04	97	82057	14.234 ug/L #	20
48) 2-Hexanone	8.32	43	395382	63.020 ug/L #	25
52) Ethylbenzene	9.25	91	229977	8.765 ug/L	99
53) m,p-Xylene	9.37	106	469356	46.496 ug/L	99
54) o-xylene	9.77	106	137383	13.560 ug/L	99
55) Styrene	9.78	104	7438	0.438 ug/L #	1
56) Isopropylbenzene	10.16	105	156159	6.074 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	29775	2.991 ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.64	75	3214	1.496 ug/L #	10
69) Naphthalene	13.74	128	1074443	50.266 ug/L	99

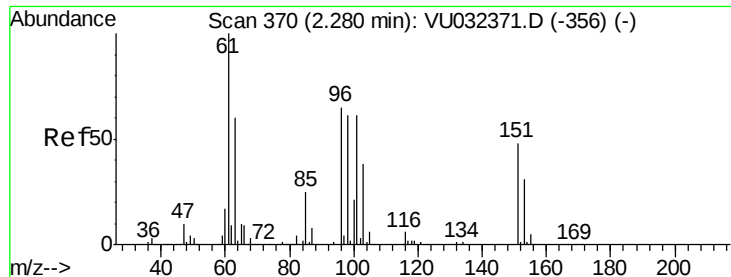
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.698 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032388.D

Acq: 30 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

GALD5DL

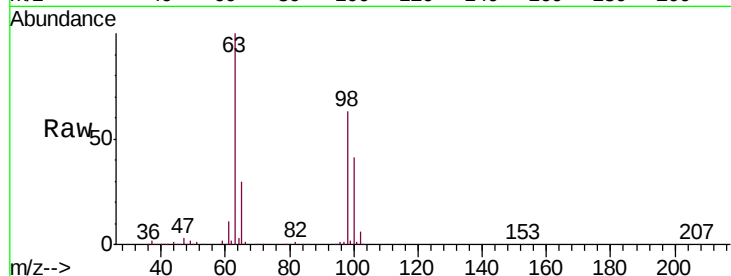
Tgt Ion:101 Resp: 3563

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

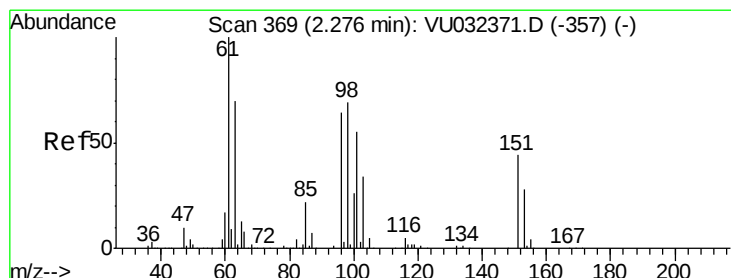
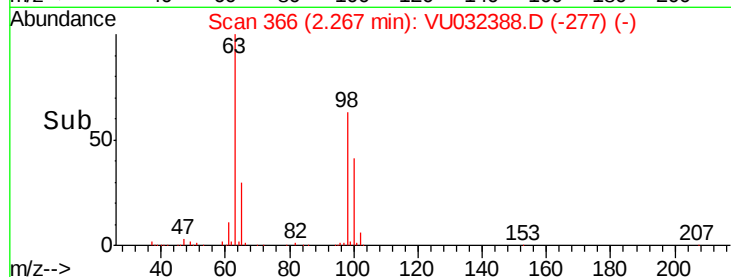
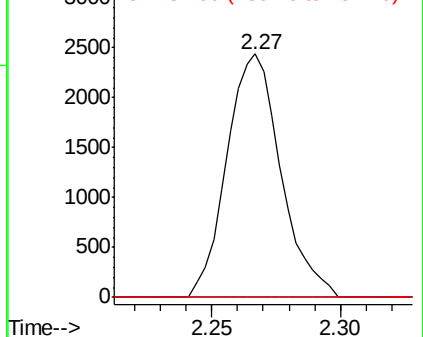
151 0.0 63.7 95.5#



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: 0.629 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032388.D

Acq: 30 May 2019 17:45

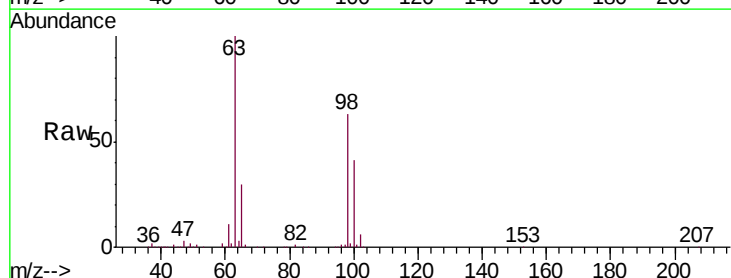
Tgt Ion: 96 Resp: 3274

Ion Ratio Lower Upper

96 100

61 992.5 109.8 203.8#

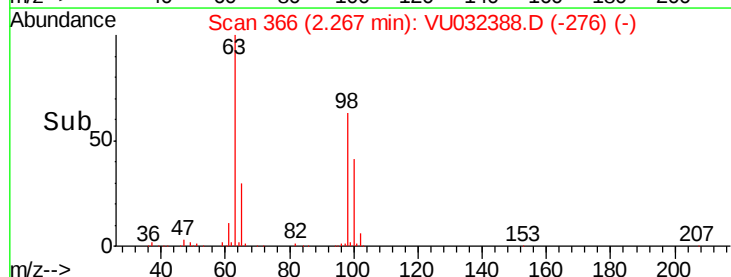
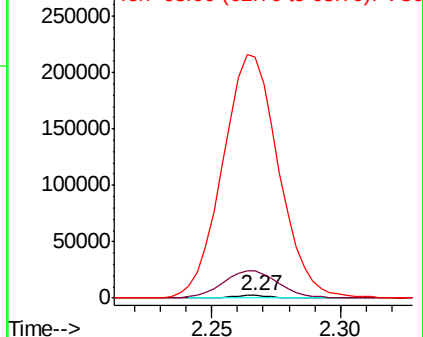
63 8934.3 74.4 138.2#

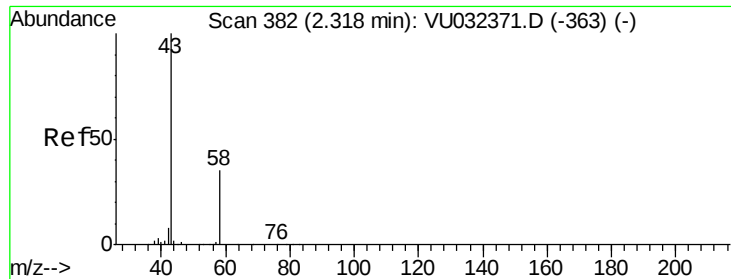


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

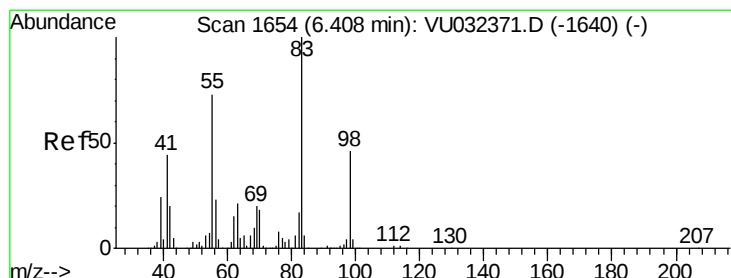
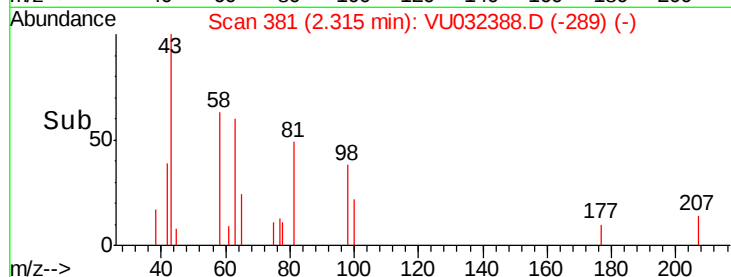
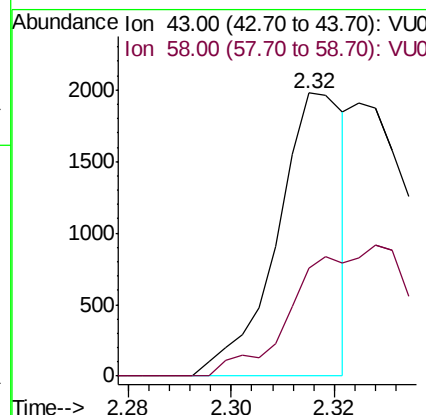
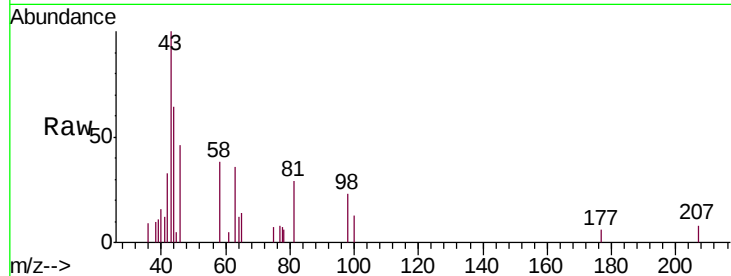




#13
Acetone
Concen: 0.489 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VU032388.D
Acq: 30 May 2019 17:45

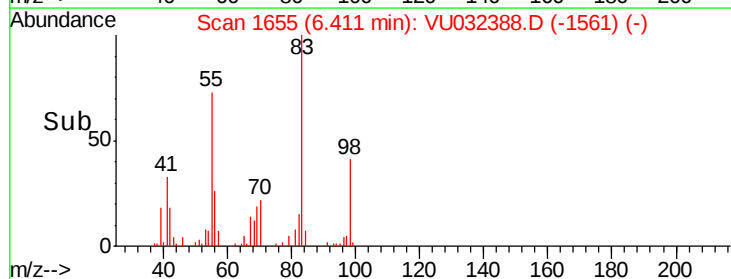
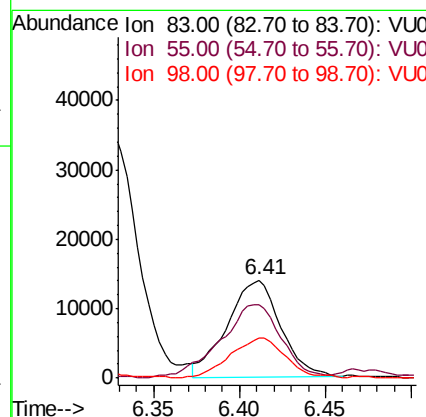
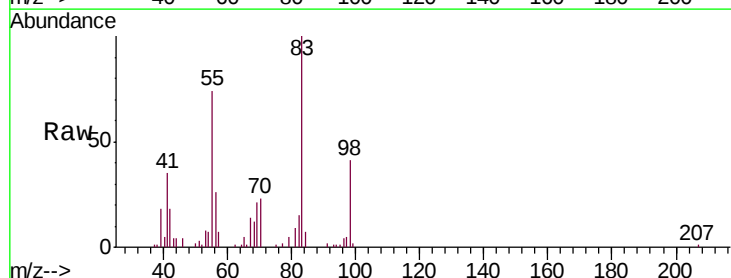
Instrument :
MSVOA_U
ClientSampleId :
GALD5DL

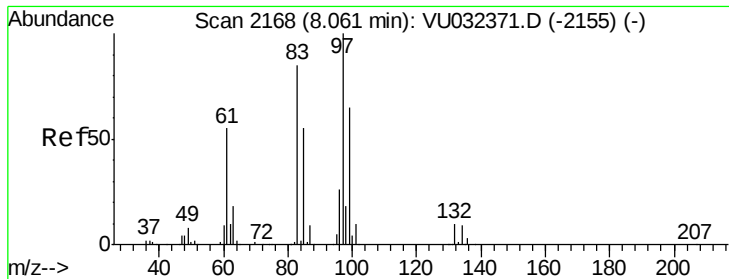
Tgt Ion: 43 Resp: 1797
Ion Ratio Lower Upper
43 100
58 26.3 0.0 73.6



#35
Methylcyclohexane
Concen: 3.393 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032388.D
Acq: 30 May 2019 17:45

Tgt Ion: 83 Resp: 30068
Ion Ratio Lower Upper
83 100
55 86.9 59.4 89.0
98 42.3 37.1 55.7

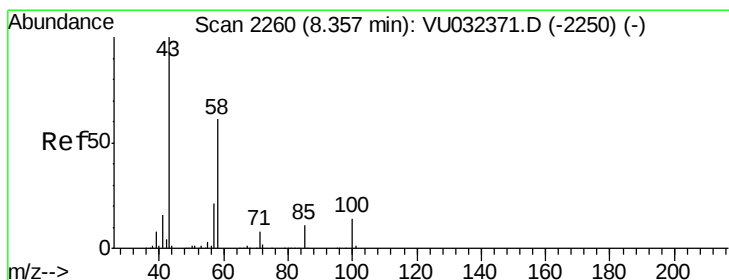
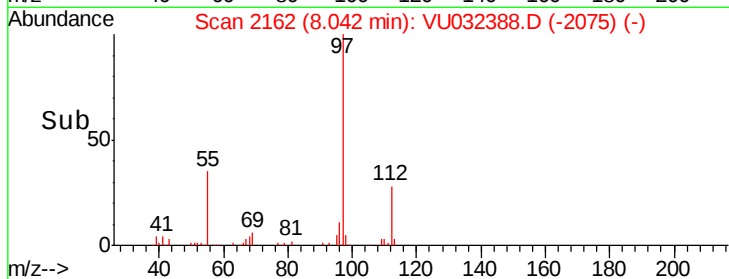
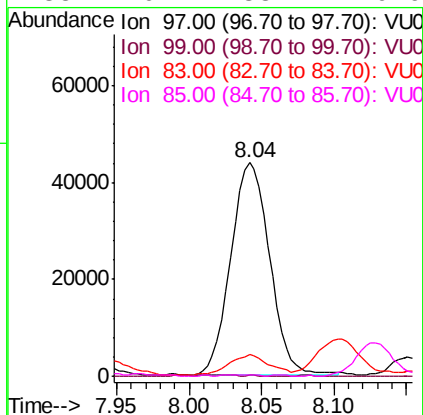
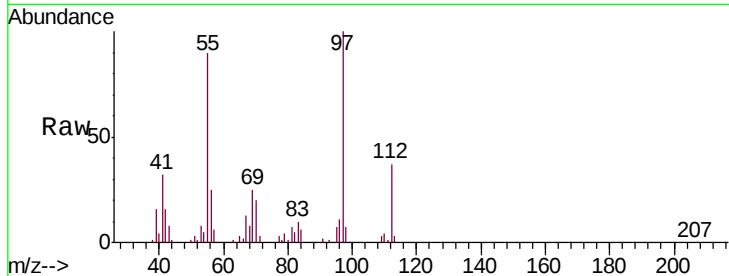




#45
 1,1,2-Trichloroethane
 Concen: 14.234 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU032388.D
 Acq: 30 May 2019 17:45

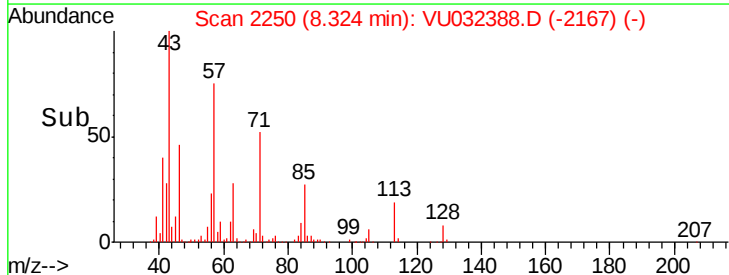
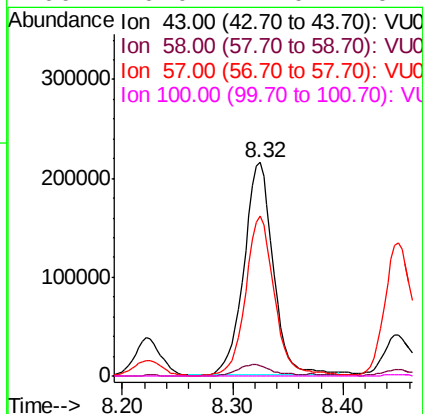
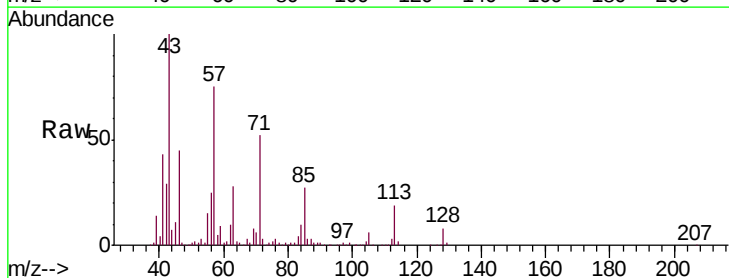
Instrument :
 MSVOA_U
 ClientSampleId :
 GALD5DL

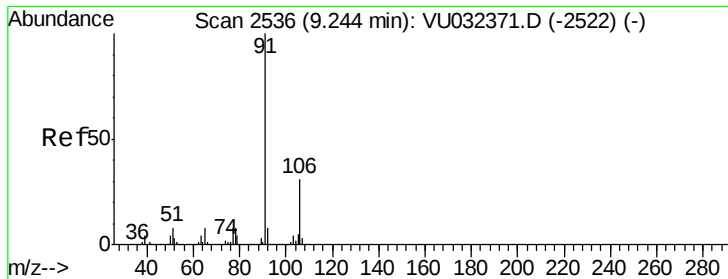
Tgt Ion:	97	Resp:	82057
Ion	Ratio	Lower	Upper
97	100		
99	0.4	42.6	79.0#
83	9.9	60.3	112.1#
85	0.4	38.1	70.9#



#48
 2-Hexanone
 Concen: 63.020 ug/L
 RT: 8.32 min Scan# 2250
 Delta R.T. -0.03 min
 Lab File: VU032388.D
 Acq: 30 May 2019 17:45

Tgt Ion:	43	Resp:	395382
Ion	Ratio	Lower	Upper
43	100		
58	6.4	48.6	73.0#
57	73.0	17.0	25.4#
100	0.0	11.0	16.4#





#52

Ethylbenzene

Concen: 8.765 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032388.D

Acq: 30 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

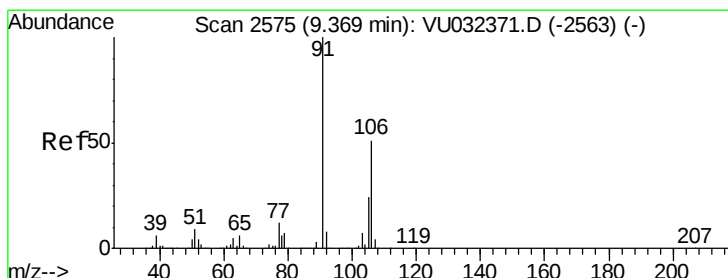
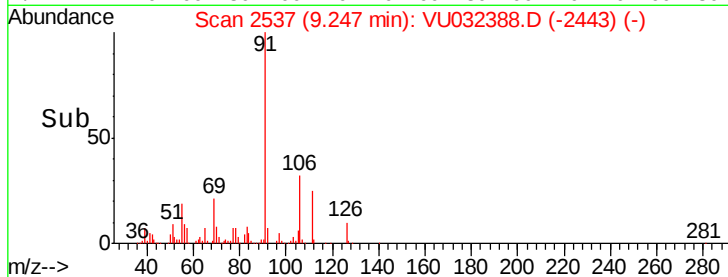
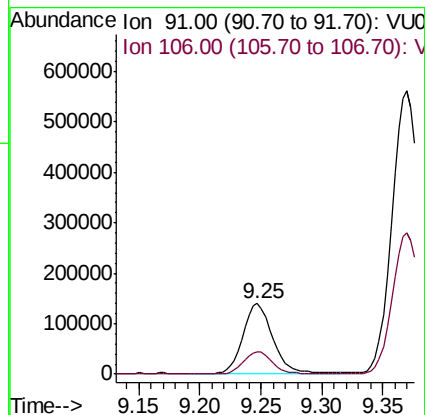
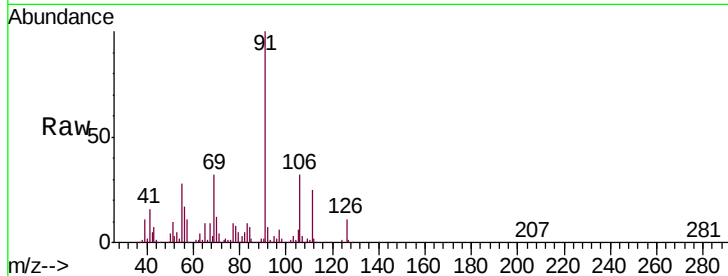
GALD5DL

Tgt Ion: 91 Resp: 229977

Ion Ratio Lower Upper

91 100

106 31.7 22.0 40.8



#53

m,p-Xylene

Concen: 46.496 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032388.D

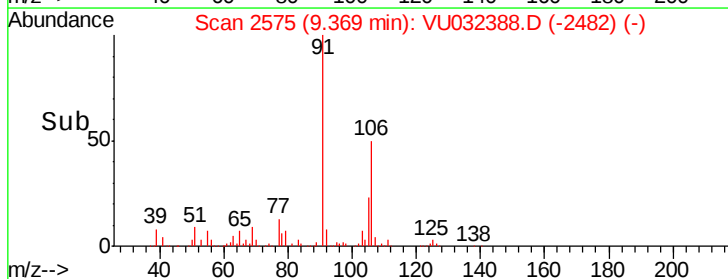
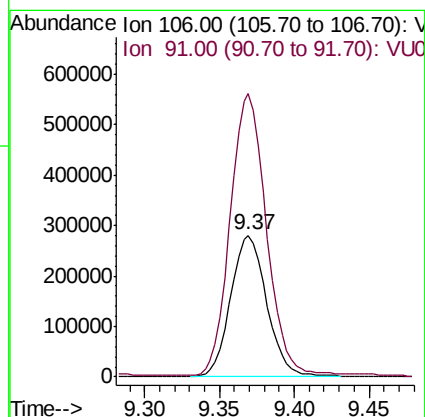
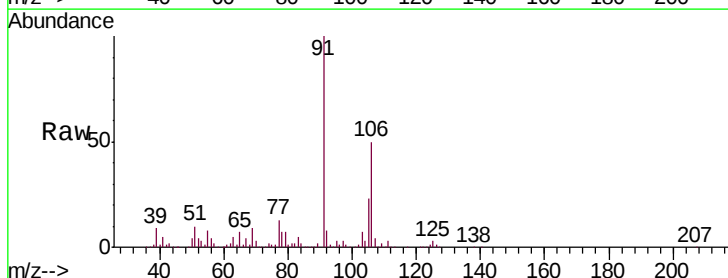
Acq: 30 May 2019 17:45

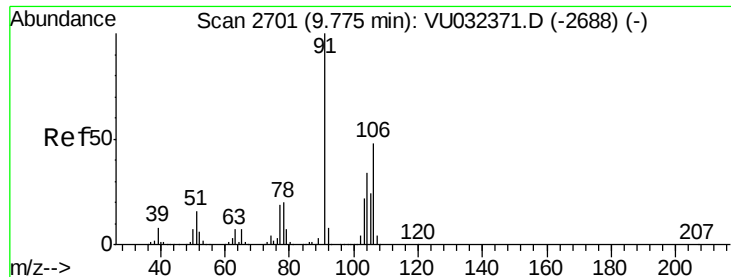
Tgt Ion: 106 Resp: 469356

Ion Ratio Lower Upper

106 100

91 200.3 138.8 257.8





#54

o-xylene

Concen: 13.560 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032388.D

Acq: 30 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

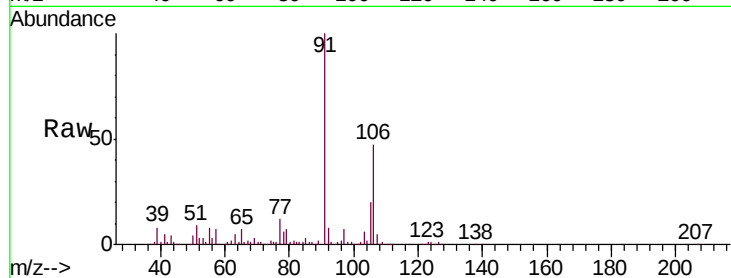
GALD5DL

Tgt Ion:106 Resp: 137383

Ion Ratio Lower Upper

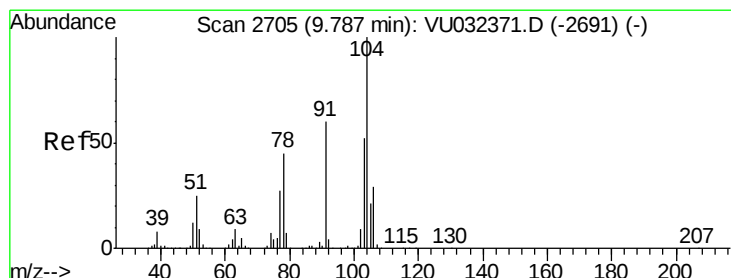
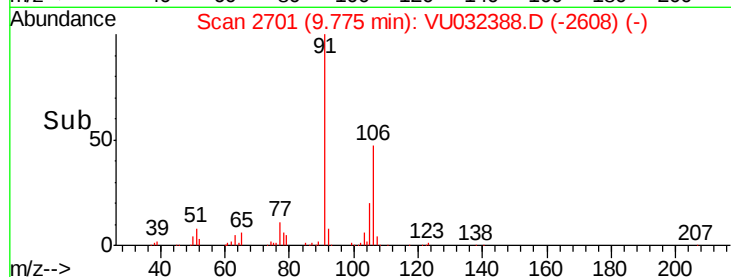
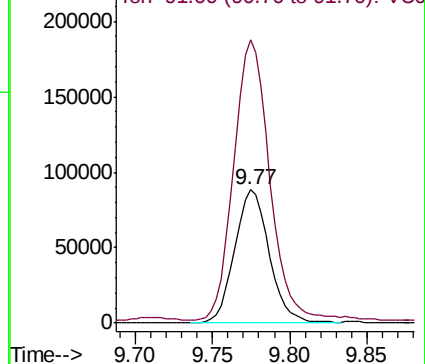
106 100

91 212.5 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 0.438 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.01 min

Lab File: VU032388.D

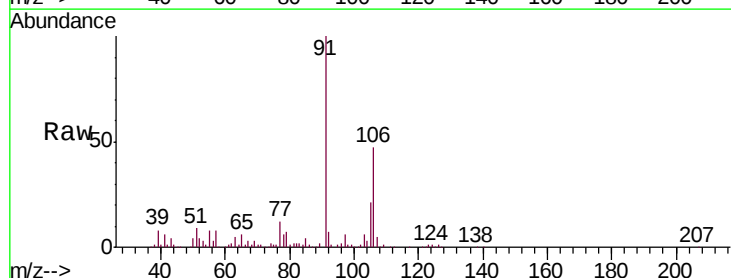
Acq: 30 May 2019 17:45

Tgt Ion:104 Resp: 7438

Ion Ratio Lower Upper

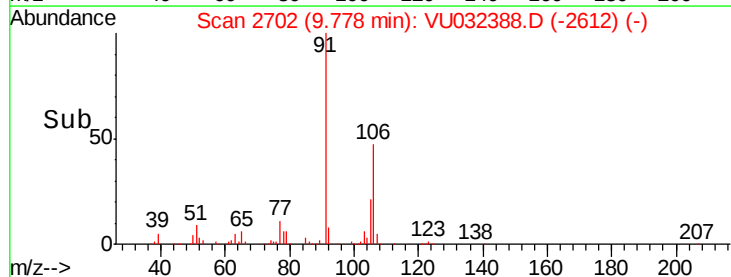
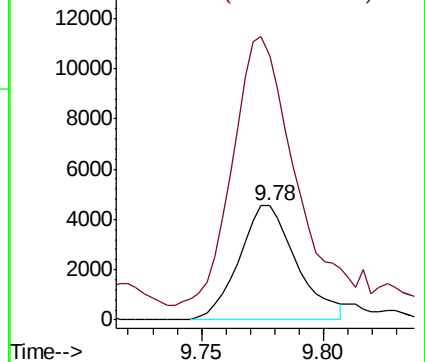
104 100

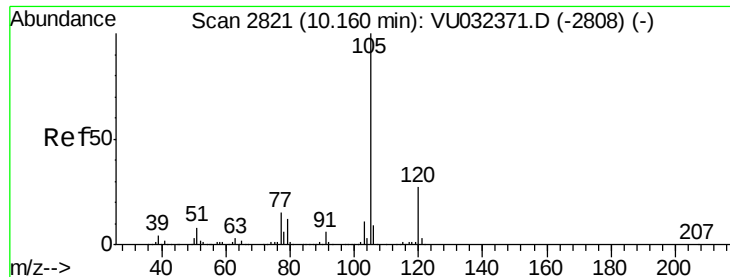
78 231.4 31.5 58.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 6.074 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032388.D

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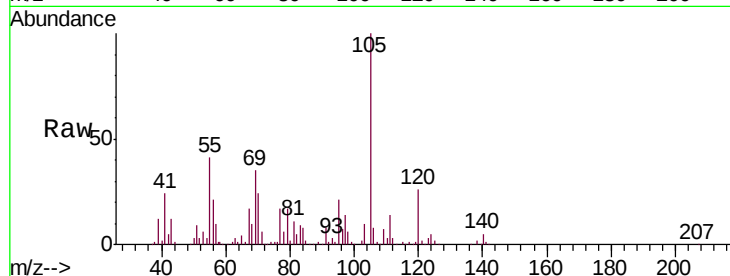
Tgt Ion:105 Resp: 156159

Ion Ratio Lower Upper

105 100

120 25.1 21.0 31.4

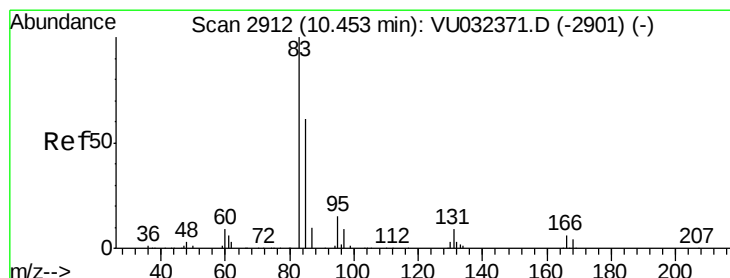
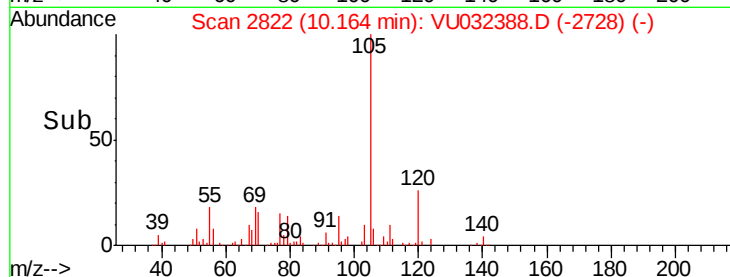
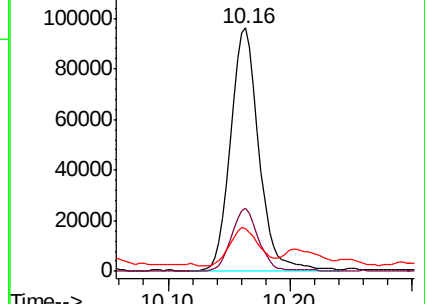
77 15.8 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.991 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU032388.D

Acq: 30 May 2019 17:45

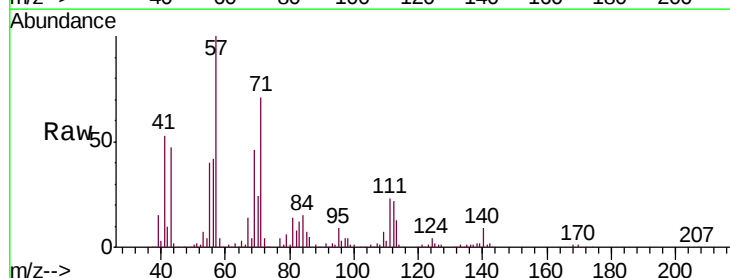
Tgt Ion: 83 Resp: 29775

Ion Ratio Lower Upper

83 100

85 57.4 44.3 82.3

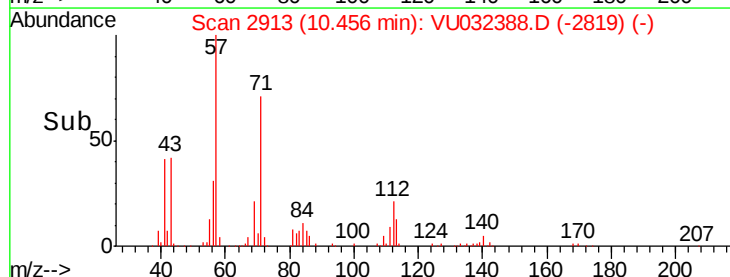
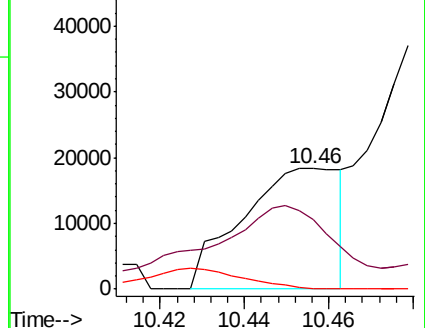
131 0.6 7.6 11.4#

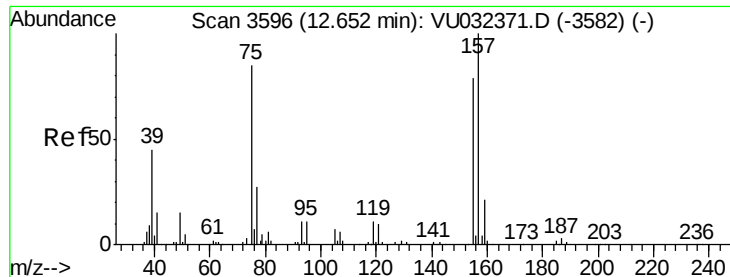


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

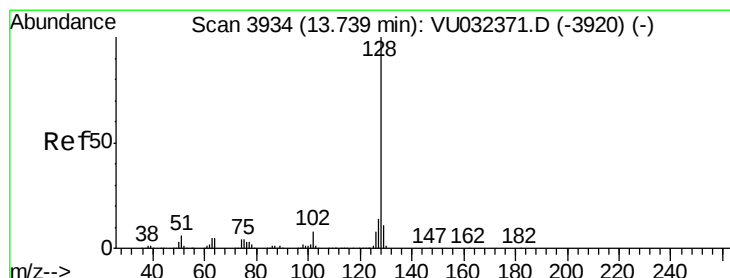
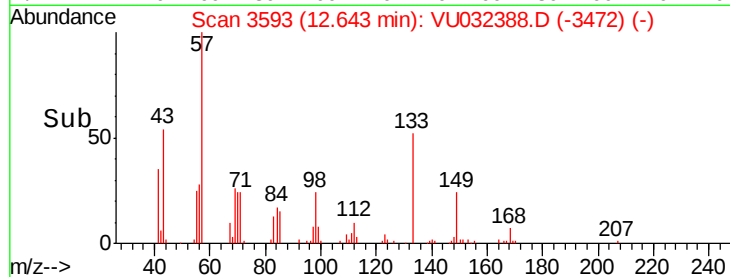
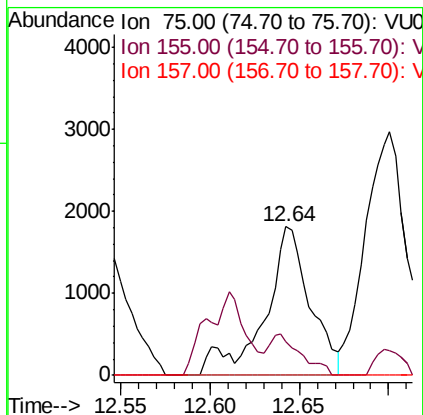
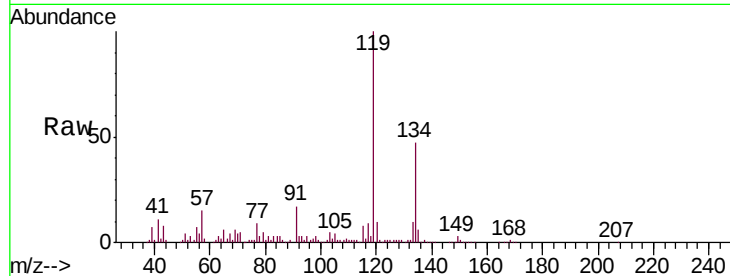




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.496 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.01 min
 Lab File: VU032388.D
 Acq: 30 May 2019 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 GALD5DL

Tgt Ion: 75 Resp: 3214
 Ion Ratio Lower Upper
 75 100
 155 22.3 69.5 104.3#
 157 0.0 89.8 134.6#



#69
 Naphthalene
 Concen: 50.266 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VU032388.D
 Acq: 30 May 2019 17:45

Tgt Ion: 128 Resp: 1074443
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.1 15.1
 129 11.3 8.7 13.1

