

Data File : VU032444.D
Acq On : 04 Jun 2019 22:02
Operator : JC/SP
Sample : K3081-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GALD7

Quant Time: Jun 05 00:19:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	95829	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	88395	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	45075	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31137	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.67	69	25787	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.27	63	49247	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.18	46	89772	51.63	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.26%
24) Chloroform-d	4.64	84	56700	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.31	65	31162	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.33	84	118774	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.32	67	36605	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.56	98	112678	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
43) trans-1,3-Dichloropropene-	7.85	79	14048	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.31	63	73506	50.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29860	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	45082	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

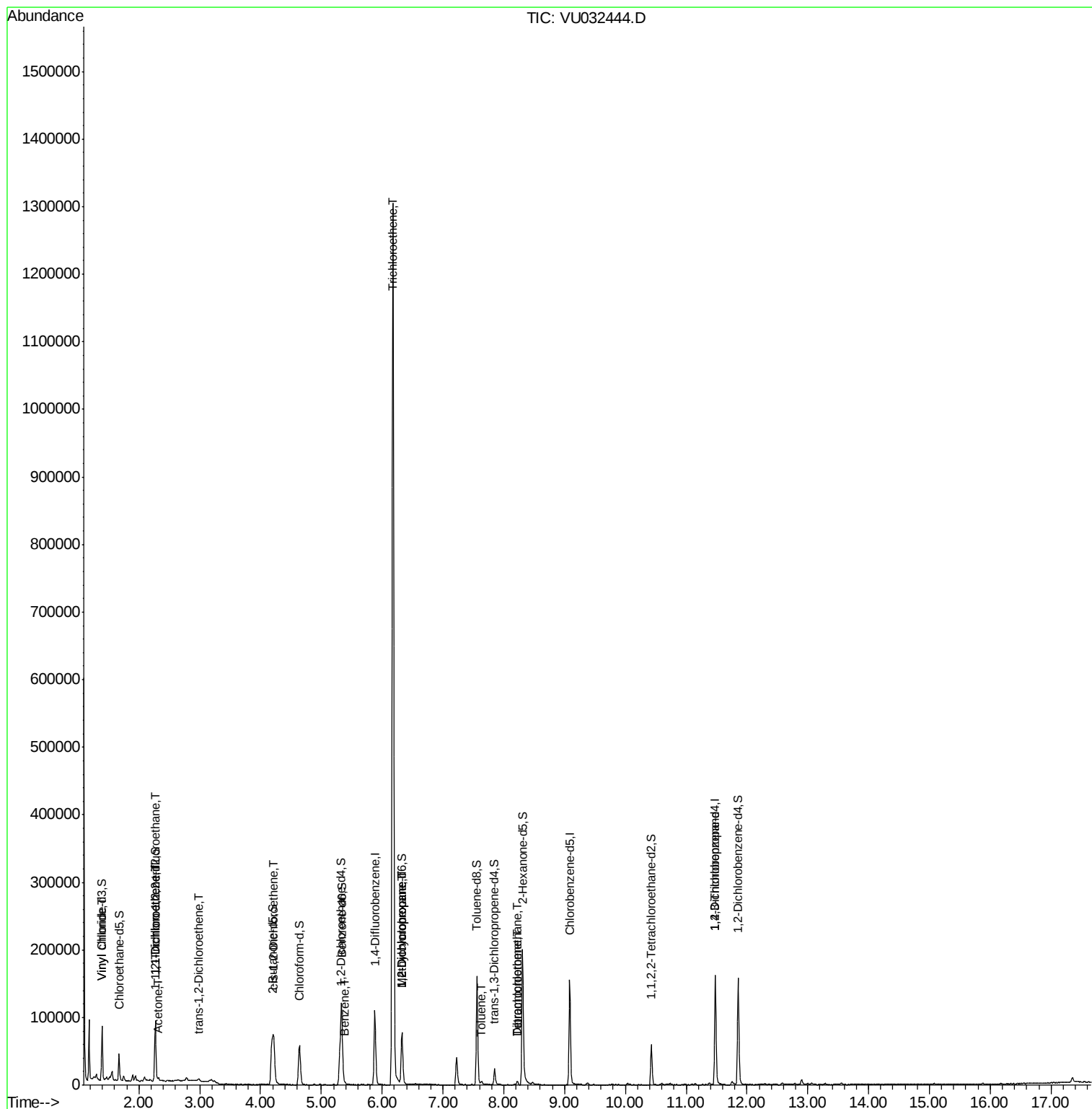
						Qvalue
5) Vinyl chloride	1.40	62	3095	0.369	ug/L #	76
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1427	0.224	ug/L #	78
12) 1,1-Dichloroethene	2.28	96	2700	0.443	ug/L #	1
13) Acetone	2.32	43	3935	2.916	ug/L	94
18) trans-1,2-Dichloroethene	2.97	96	570	0.087	ug/L	87
22) cis-1,2-Dichloroethene	4.22	96	34169	4.596	ug/L	100
33) Benzene	5.39	78	3485	0.134	ug/L	100
34) Trichloroethene	6.18	95	438680	58.518	ug/L	98
35) Methylcyclohexane	6.32	83	8389	0.696	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	3964	0.588	ug/L #	89
42) Toluene	7.64	91	3710	0.128	ug/L	97
47) Tetrachloroethene	8.22	164	1256	0.213	ug/L	87
49) Dibromochloromethane	8.22	129	1368	0.218	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5002	1.130	ug/L #	85

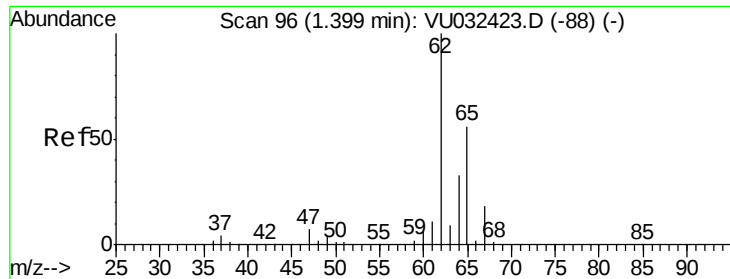
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.369 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

Instrument :

MSVOA_U

ClientSampled :

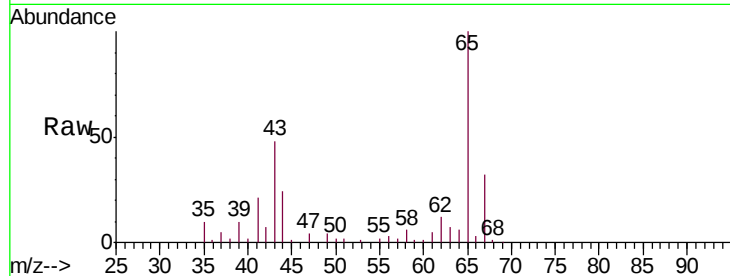
GALD7

Tgt Ion: 62 Resp: 3095

Ion Ratio Lower Upper

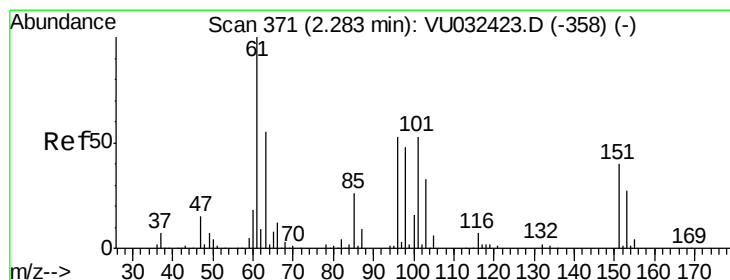
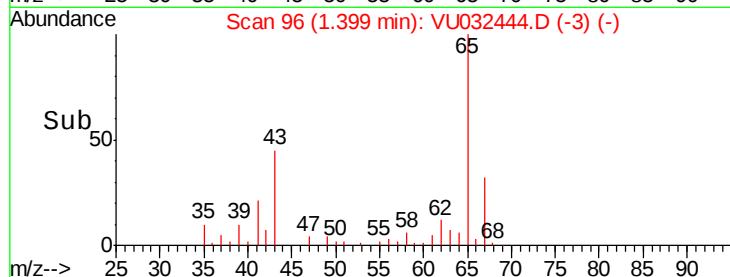
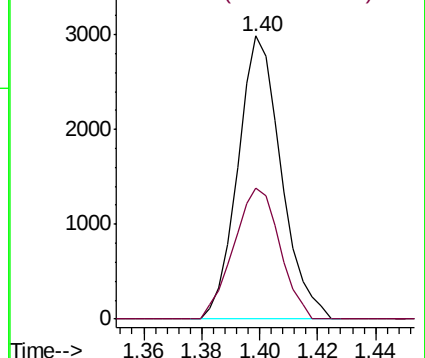
62 100

64 46.5 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032444.D (-3) (-)

Ion 64.10 (63.80 to 64.80): VU032444.D (-3) (-)



#10

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

Concen: 0.224 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

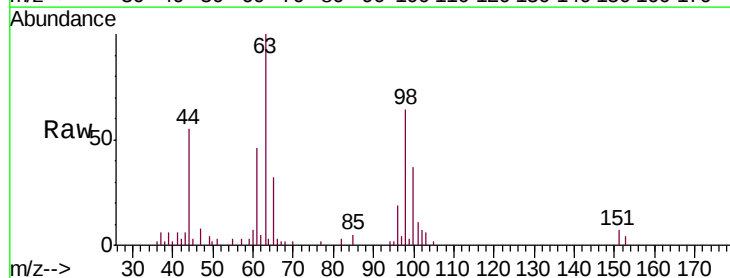
Tgt Ion: 101 Resp: 1427

Ion Ratio Lower Upper

101 100

85 37.3 38.9 58.3#

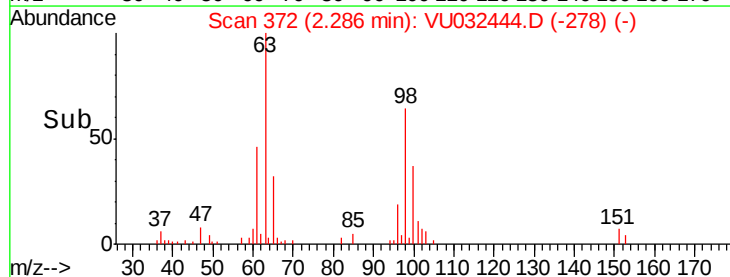
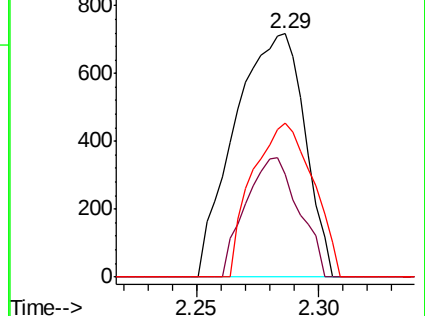
151 54.7 61.0 91.4#

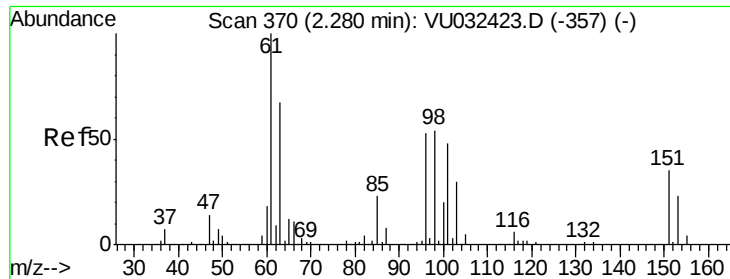


Abundance Ion 101.00 (100.70 to 101.70): VU032444.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU032444.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU032444.D (-278) (-)





#12

1,1-Dichloroethene

Concen: 0.443 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

Instrument :

MSVOA_U

ClientSampleId :

GALD7

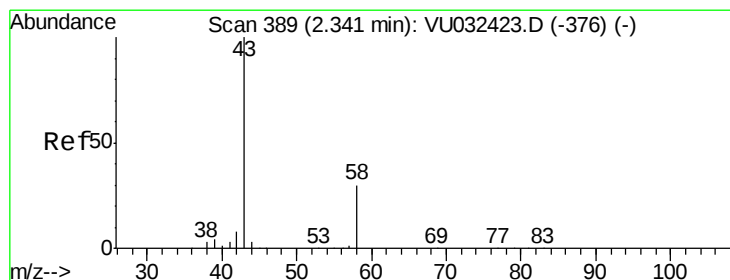
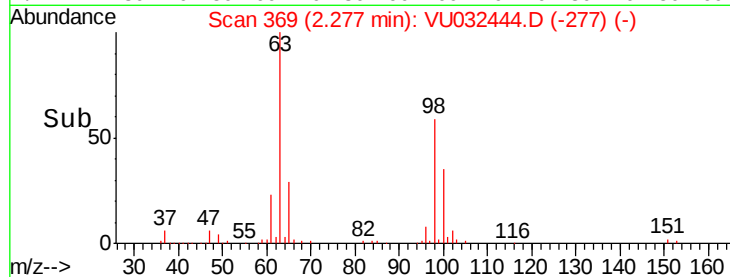
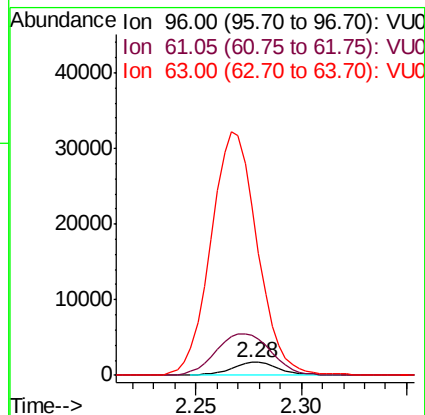
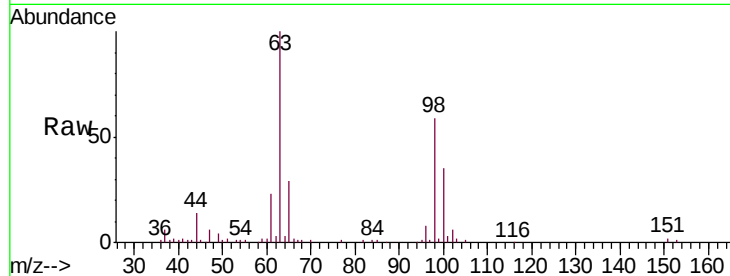
Tgt Ion: 96 Resp: 2700

Ion Ratio Lower Upper

96 100

61 307.8 131.8 244.8#

63 1309.9 90.1 167.3#



#13

Acetone

Concen: 2.916 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032444.D

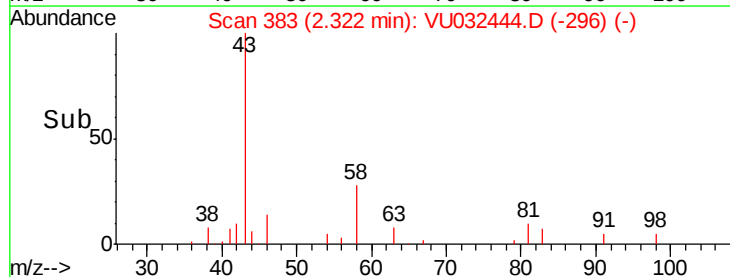
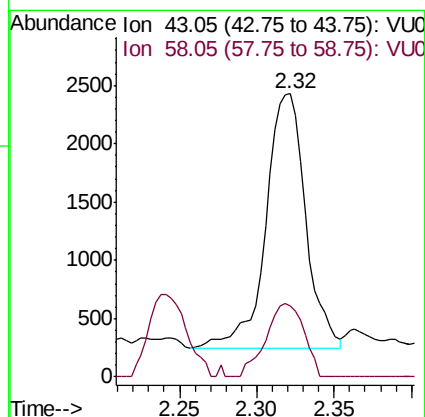
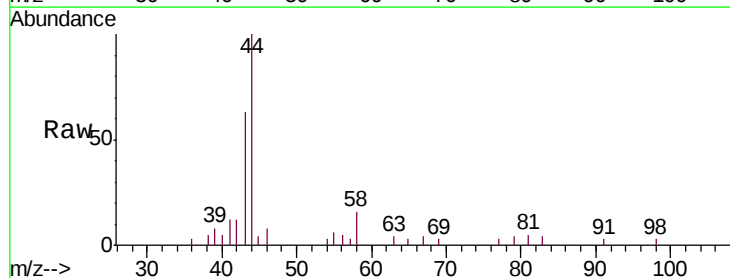
Acq: 04 Jun 2019 22:02

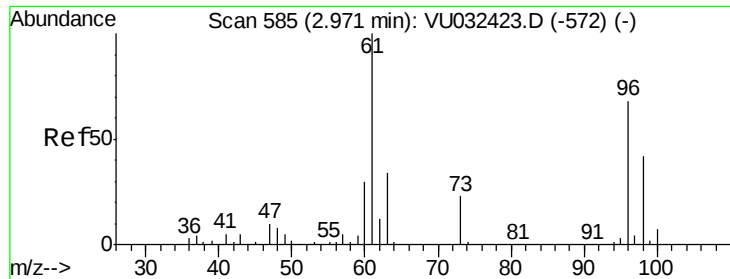
Tgt Ion: 43 Resp: 3935

Ion Ratio Lower Upper

43 100

58 27.3 0.0 60.8

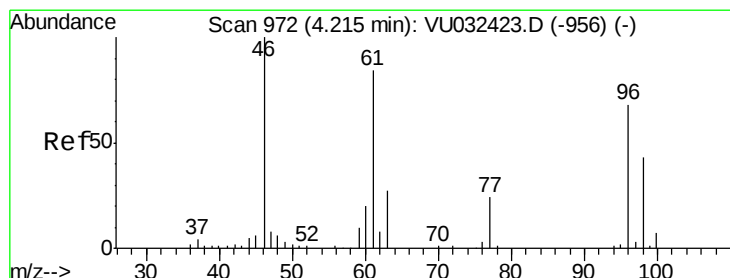
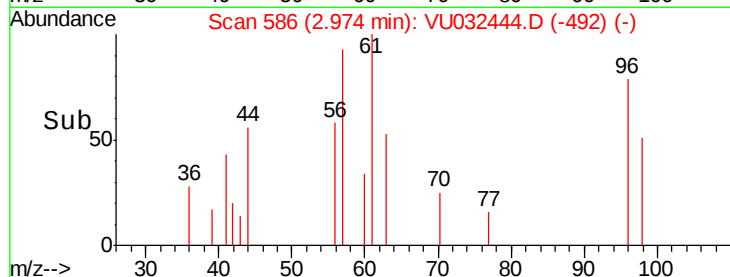
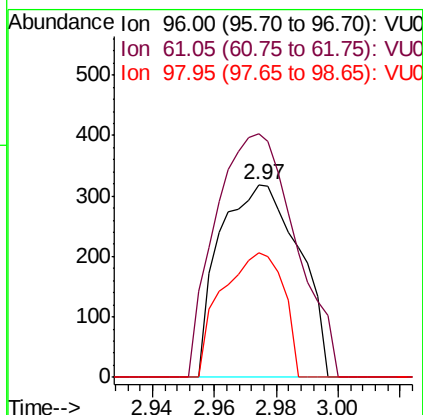
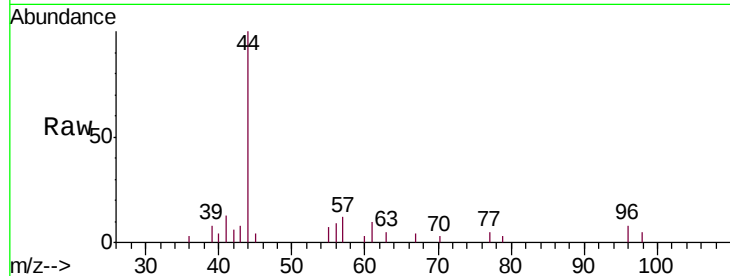




#18
 trans-1,2-Dichloroethene
 Concen: 0.087 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU032444.D
 Acq: 04 Jun 2019 22:02

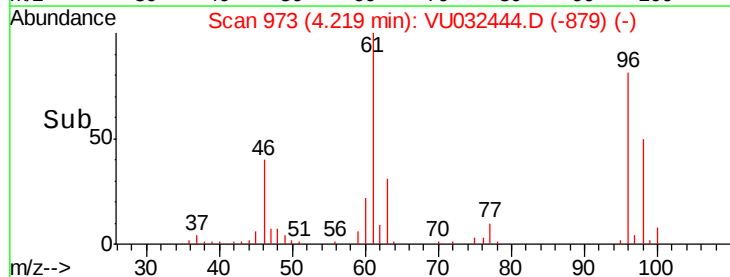
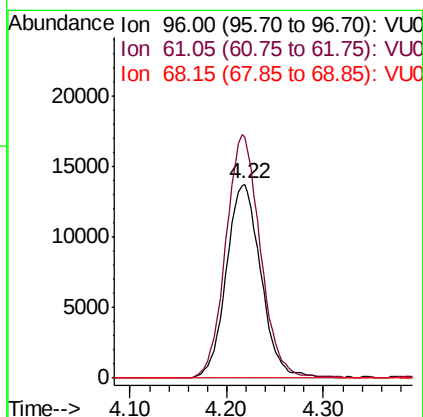
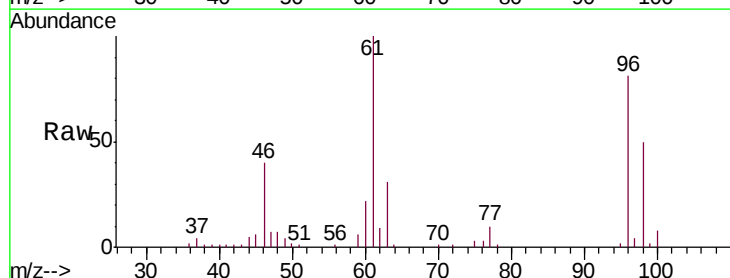
Instrument :
 MSVOA_U
 ClientSampled :
 GALD7

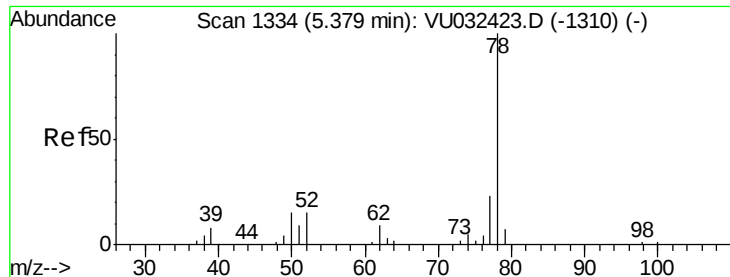
Tgt Ion: 96 Resp: 570
 Ion Ratio Lower Upper
 96 100
 61 126.3 103.1 191.5
 98 64.6 43.7 81.1



#22
 cis-1,2-Dichloroethene
 Concen: 4.596 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032444.D
 Acq: 04 Jun 2019 22:02

Tgt Ion: 96 Resp: 34169
 Ion Ratio Lower Upper
 96 100
 61 124.1 86.6 160.8
 68 0.0 0.0 0.0

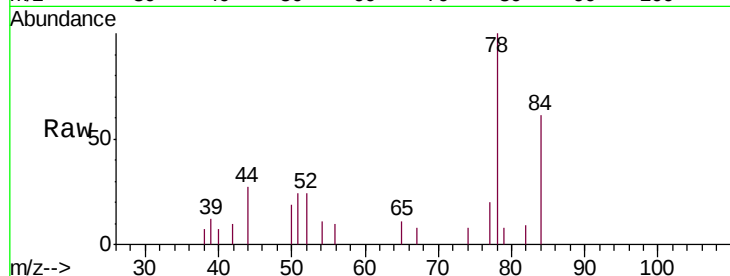




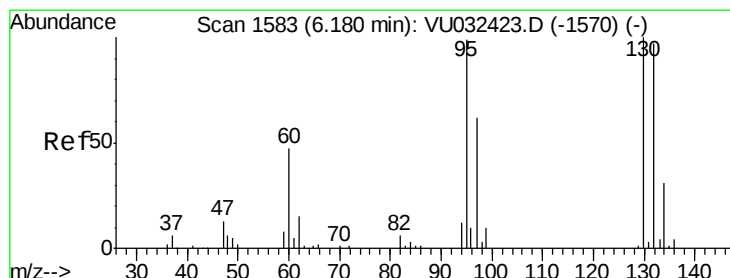
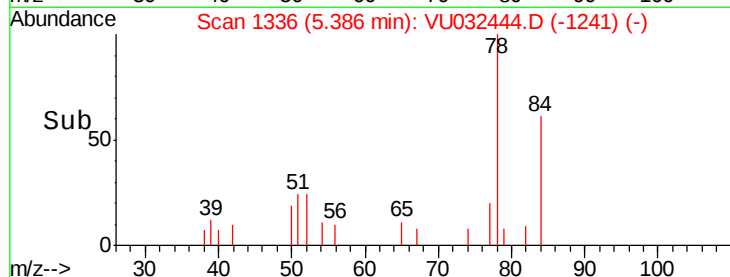
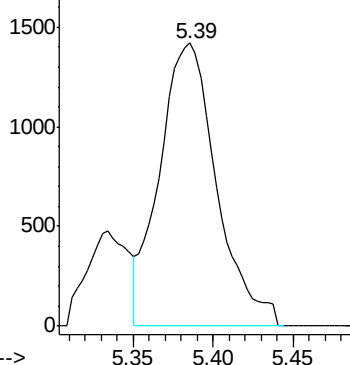
#33
Benzene
Concen: 0.134 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU032444.D
Acq: 04 Jun 2019 22:02

Instrument :
MSVOA_U
ClientSampleId :
GALD7

Tgt Ion: 78 Resp: 3485



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 58.518 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VU032444.D
Acq: 04 Jun 2019 22:02

Tgt Ion: 95 Resp: 438680

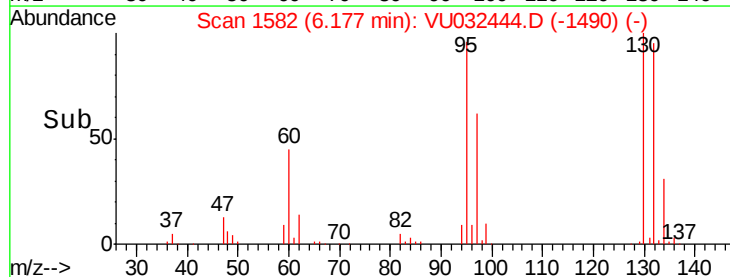
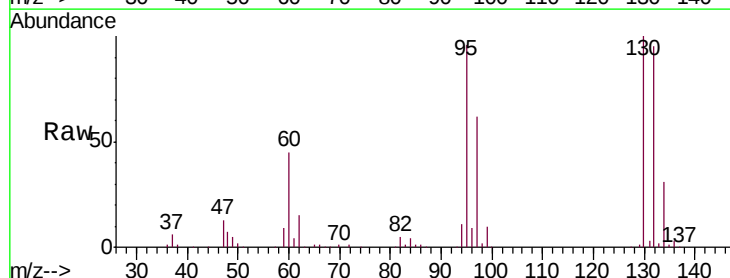
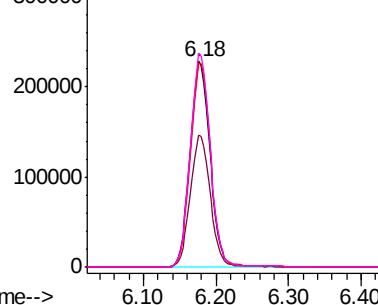
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.1	81.9
132	99.2	68.8	127.8
130	103.9	71.0	131.8

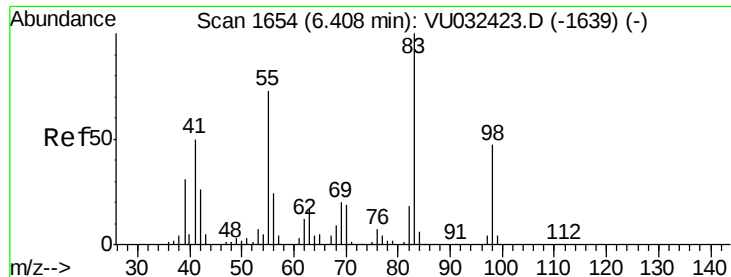
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

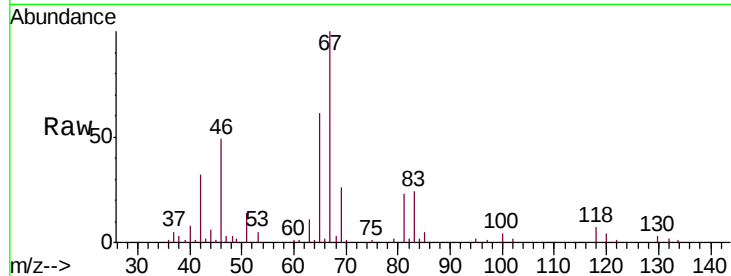




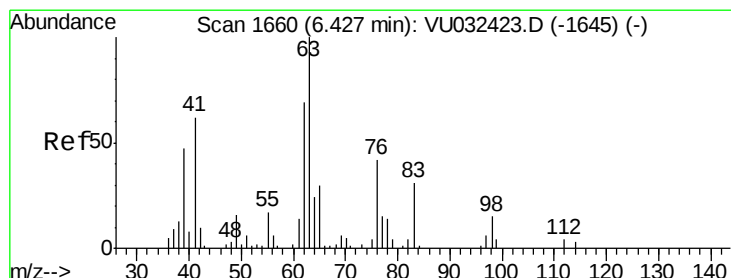
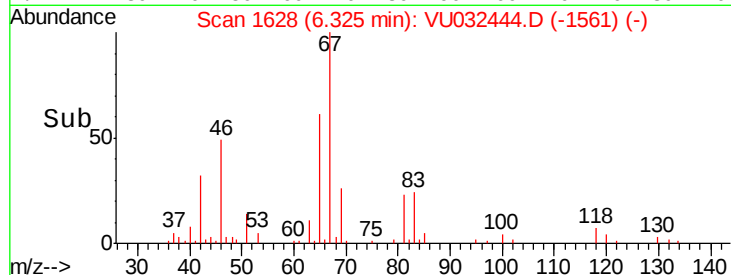
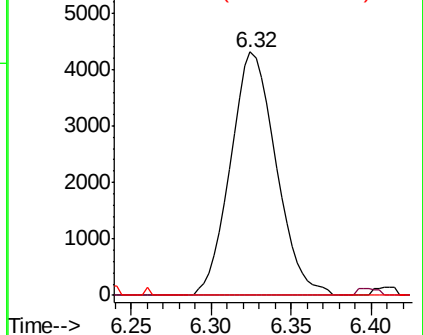
#35
Methylcyclohexane
Concen: 0.696 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032444.D
Acq: 04 Jun 2019 22:02

Instrument :
MSVOA_U
ClientSampleId :
GALD7

Tgt Ion: 83 Resp: 8389
Ion Ratio Lower Upper
83 100
55 1.2 60.0 90.0#
98 0.0 37.8 56.8#

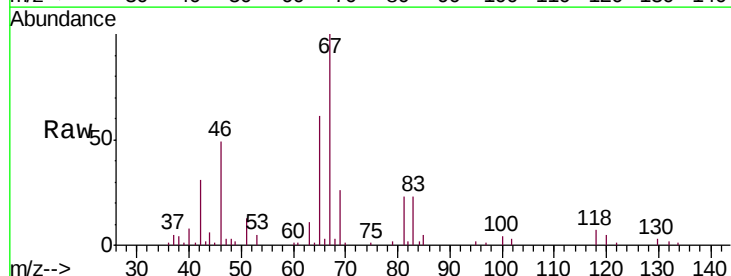


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

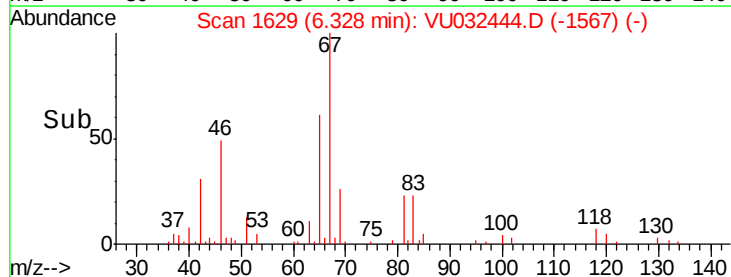
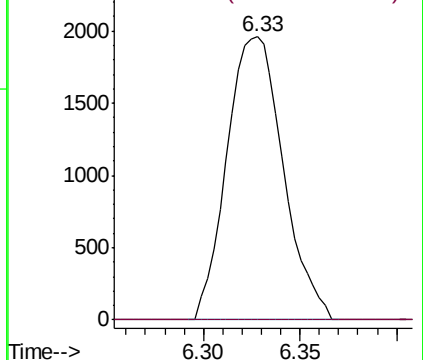


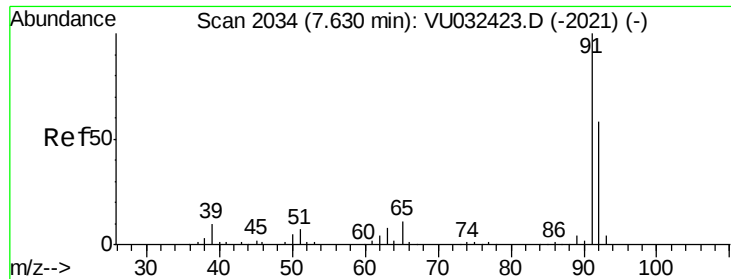
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032444.D
Acq: 04 Jun 2019 22:02

Tgt Ion: 63 Resp: 3964
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.128 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

Instrument :

MSVOA_U

ClientSampleId :

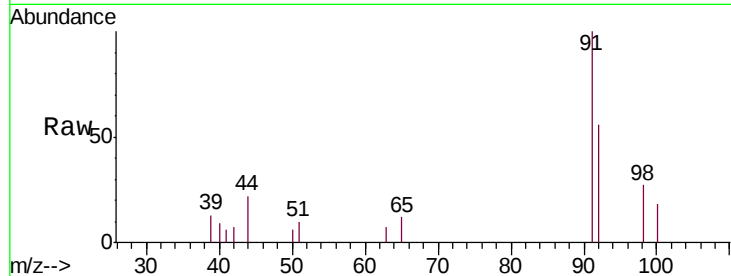
GALD7

Tgt Ion: 91 Resp: 3710

Ion Ratio Lower Upper

91 100

92 56.1 40.9 75.9

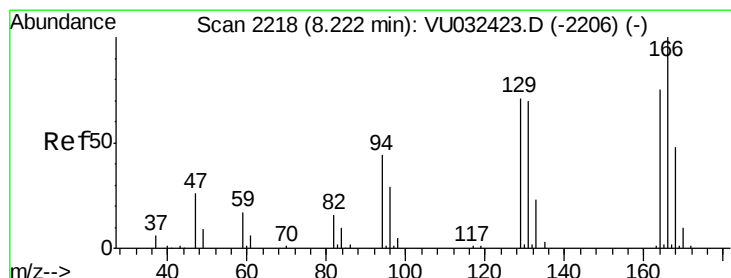
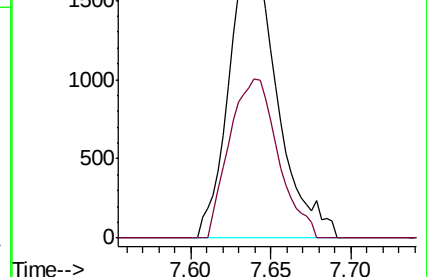
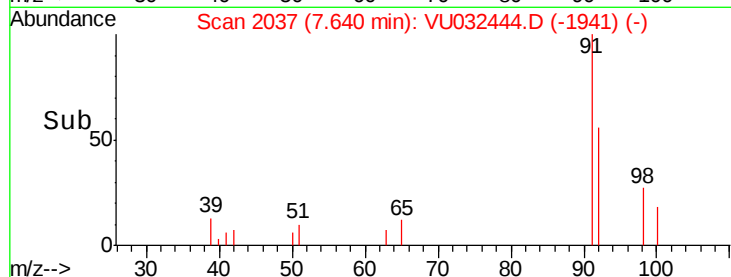


Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)

7.64

Time-->



#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

Tgt Ion: 164 Resp: 1256

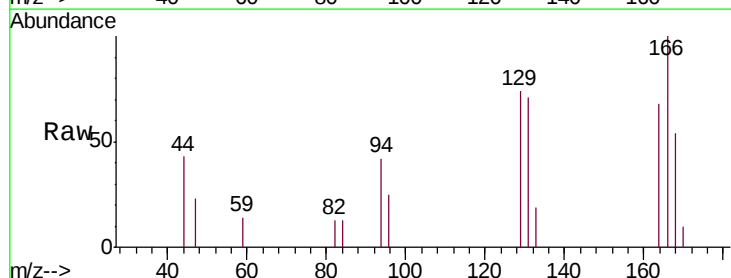
Ion Ratio Lower Upper

164 100

129 109.4 66.1 122.7

131 104.6 65.6 121.8

166 146.9 93.2 173.2



Abundance Ion 163.90 (163.60 to 164.60): VU032423.D (-2206) (-)

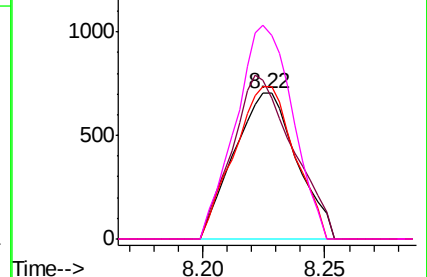
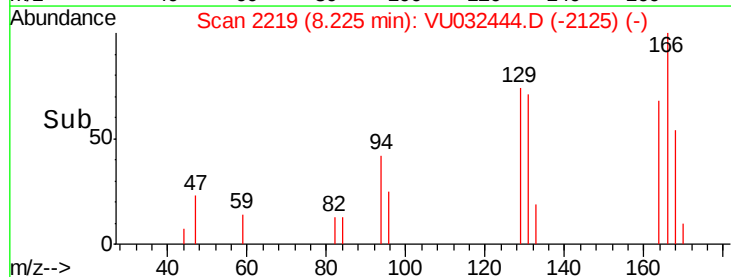
Ion 128.95 (128.65 to 129.65): VU032423.D (-2206) (-)

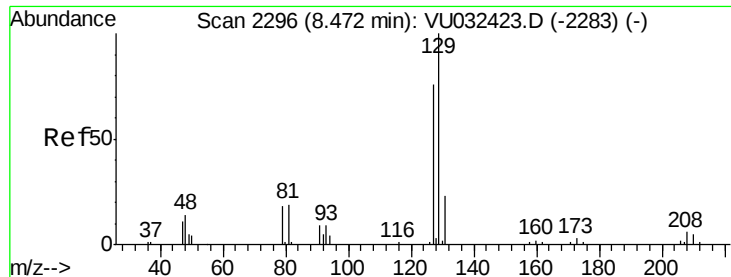
Ion 130.95 (130.65 to 131.65): VU032423.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU032423.D (-2206) (-)

8.22

Time-->





#49

Dibromochloromethane

Concen: 0.218 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032444.D

Acq: 04 Jun 2019 22:02

Instrument :

MSVOA_U

ClientSampleId :

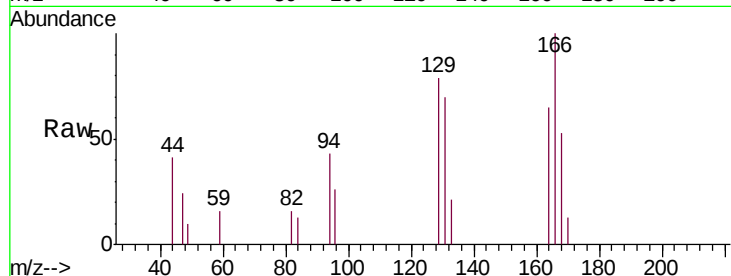
GALD7

Tgt Ion:129 Resp: 1368

Ion Ratio Lower Upper

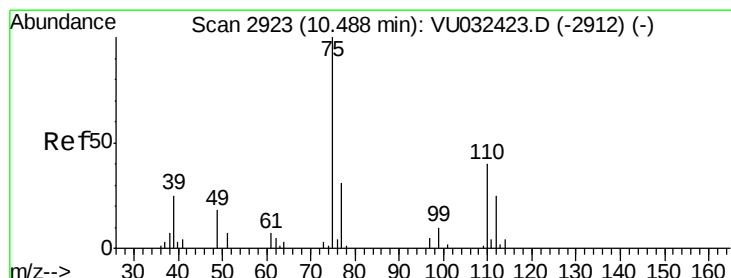
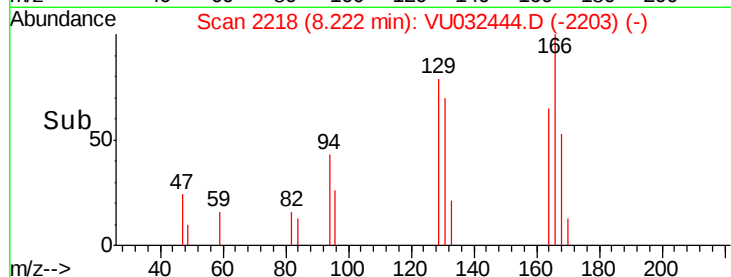
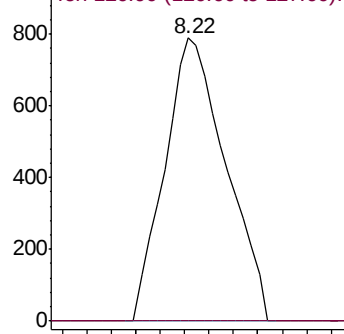
129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.130 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032444.D

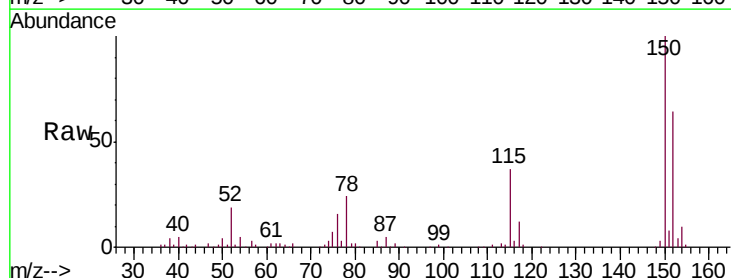
Acq: 04 Jun 2019 22:02

Tgt Ion: 75 Resp: 5002

Ion Ratio Lower Upper

75 100

77 40.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

