

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032417.D
 Acq On : 04 Jun 2019 01:08
 Operator : JC/SP
 Sample : K3081-10MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALD9MS

Quant Time: Jun 04 09:01:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:55:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	104433	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	100526	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	45540	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40847	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.67	69	34758	3.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.20%
11) 1,1-Dichloroethene-d2	2.27	63	86866	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.18	46	112786	49.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.88%
24) Chloroform-d	4.64	84	67887	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.31	65	40138	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.33	84	133633	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.32	67	44278	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.56	98	127866	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.85	79	19534	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.31	63	94399	49.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	36404	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	44555	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

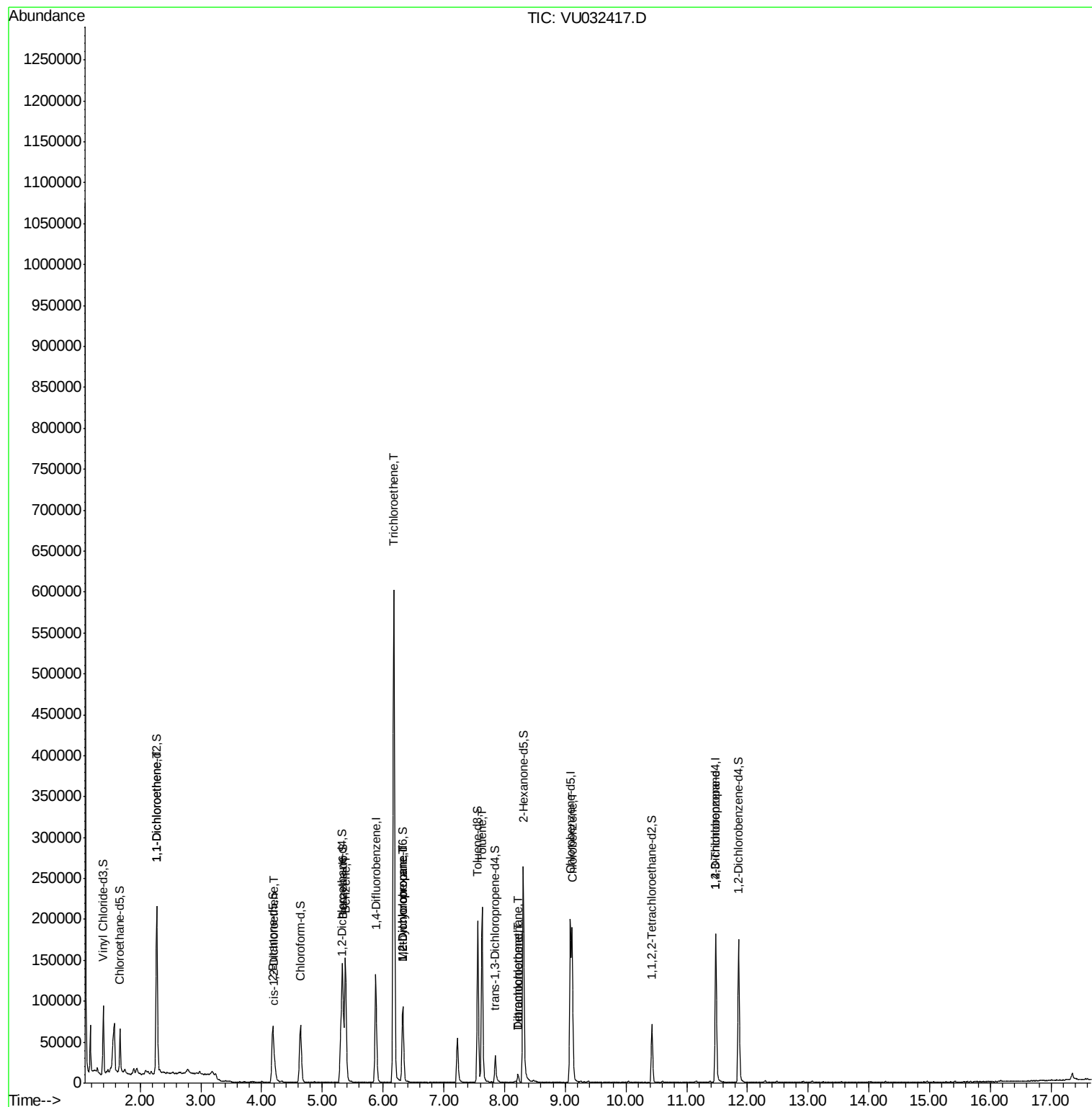
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	37916	2.641	ug/L	89
22) cis-1,2-Dichloroethene	4.22	96	6073	0.394	ug/L	83
33) Benzene	5.38	78	143439	2.443	ug/L	100
34) Trichloroethene	6.18	95	208279	13.083	ug/L	98
35) Methylcyclohexane	6.32	83	10501	0.395	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	4876	0.305	ug/L #	90
42) Toluene	7.63	91	155413	2.457	ug/L	97
47) Tetrachloroethene	8.22	164	2154	0.194	ug/L	89
49) Dibromochloromethane	8.22	129	2137	0.154	ug/L #	12
51) Chlorobenzene	9.12	112	93254	2.340	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	5891	0.567	ug/L #	84

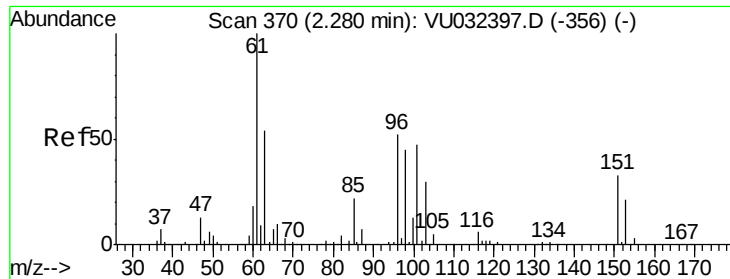
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.641 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032417.D

Acq: 04 Jun 2019 01:08

Instrument :

MSVOA_U

ClientSampleId :

GALD9MS

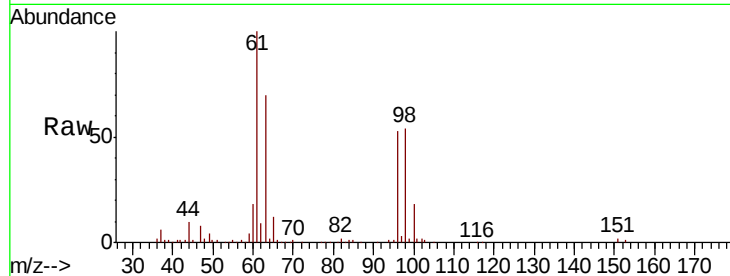
Tgt Ion: 96 Resp: 37916

Ion Ratio Lower Upper

96 100

61 187.7 133.6 248.0

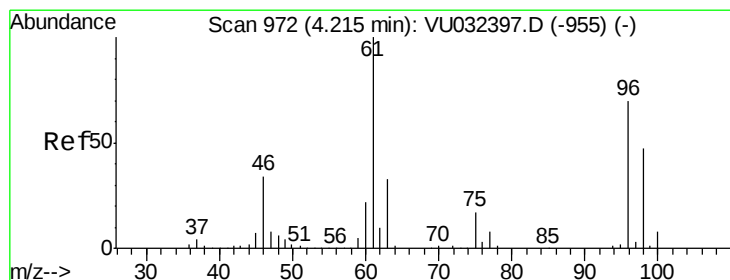
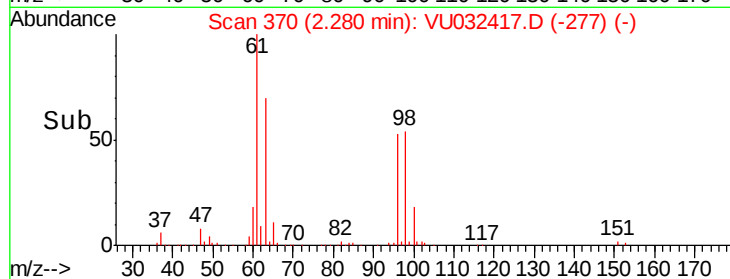
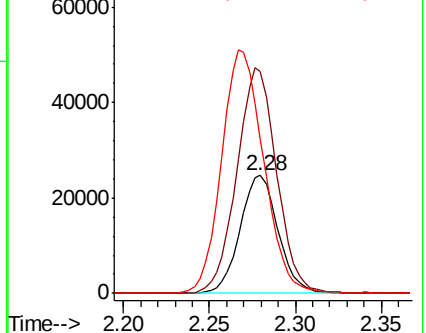
63 130.7 72.4 134.4



Abundance Ion 96.00 (95.70 to 96.70): VU032397.D

Ion 61.05 (60.75 to 61.75): VU032397.D

Ion 63.00 (62.70 to 63.70): VU032397.D



#22

cis-1,2-Dichloroethene

Concen: 0.394 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU032417.D

Acq: 04 Jun 2019 01:08

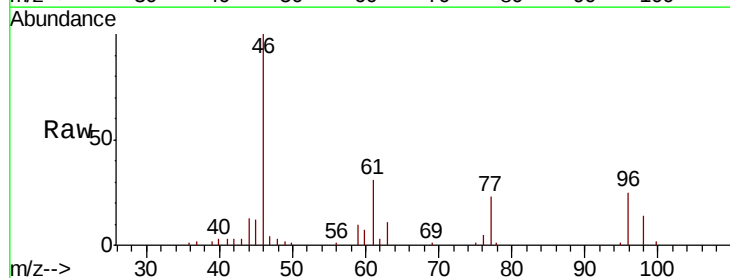
Tgt Ion: 96 Resp: 6073

Ion Ratio Lower Upper

96 100

61 120.3 99.0 183.8

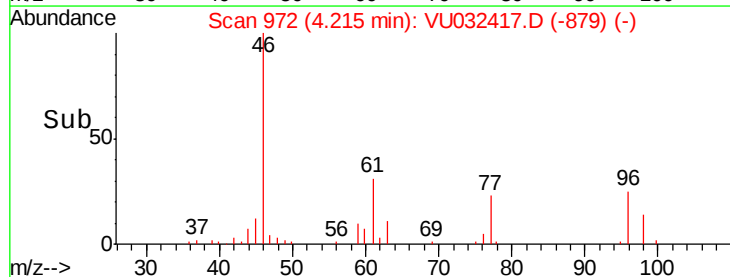
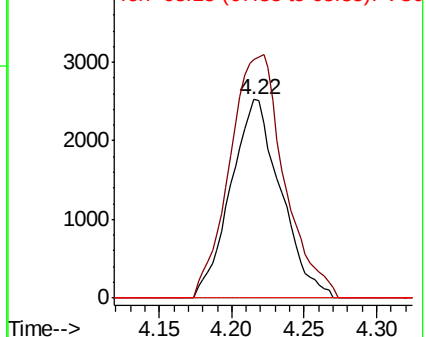
68 0.0 0.0 0.0

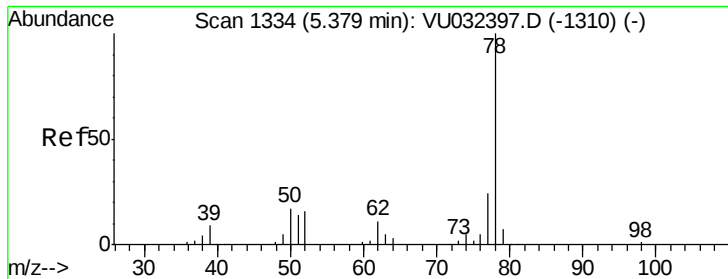


Abundance Ion 96.00 (95.70 to 96.70): VU032397.D

Ion 61.05 (60.75 to 61.75): VU032397.D

Ion 68.15 (67.85 to 68.85): VU032397.D

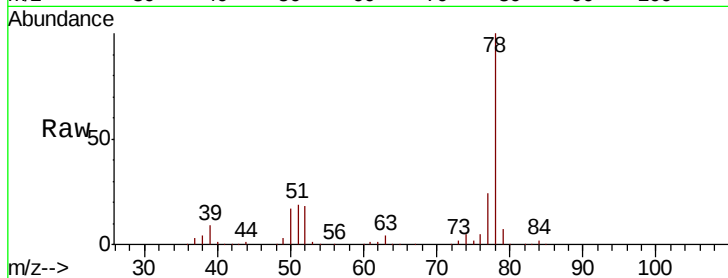




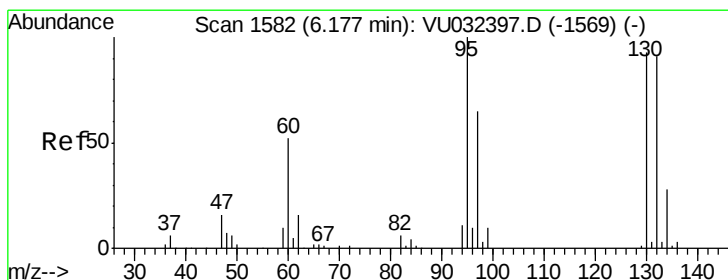
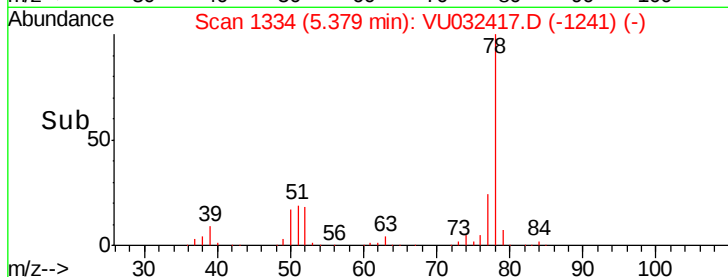
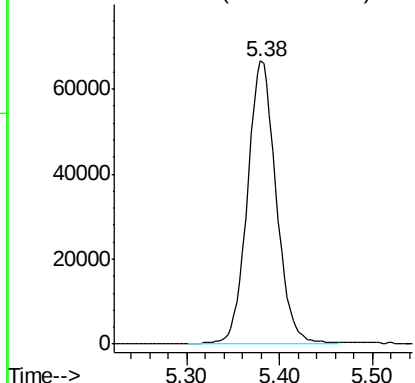
#33
Benzene
Concen: 2.443 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

Instrument :
MSVOA_U
ClientSampleId :
GALD9MS

Tgt Ion: 78 Resp: 143439



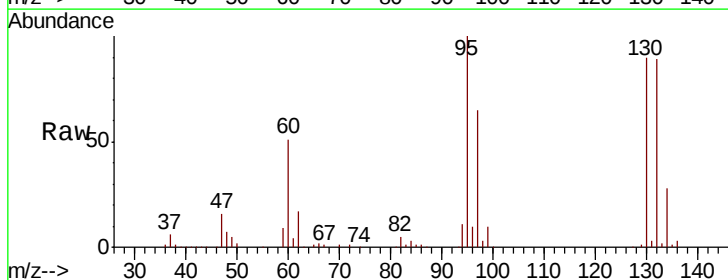
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 13.083 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

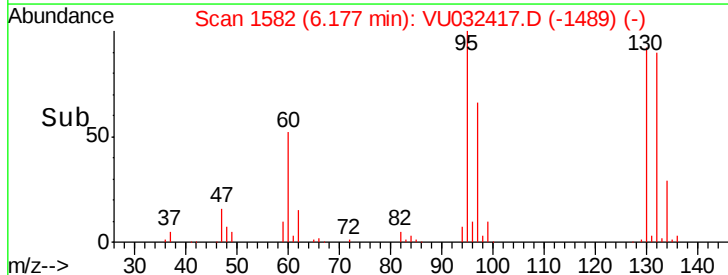
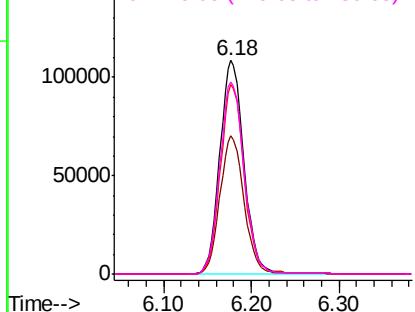
Tgt Ion: 95 Resp: 208279

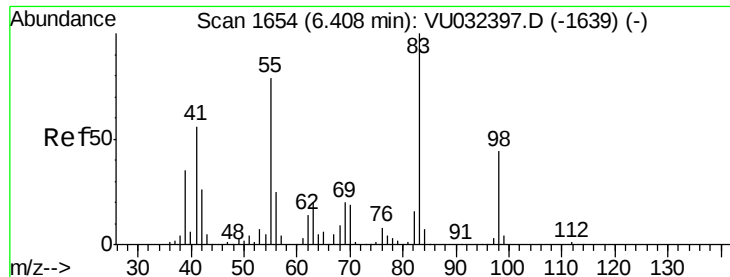
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.8	85.0
132	88.5	63.1	117.1
130	90.2	66.0	122.6



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

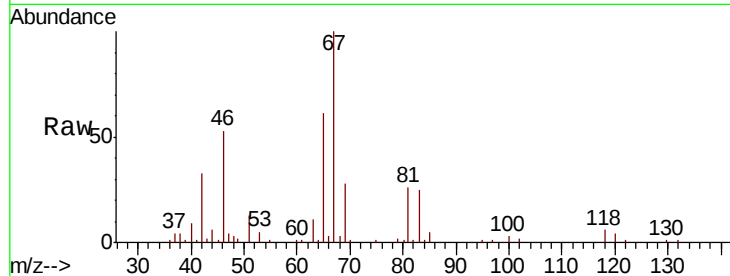




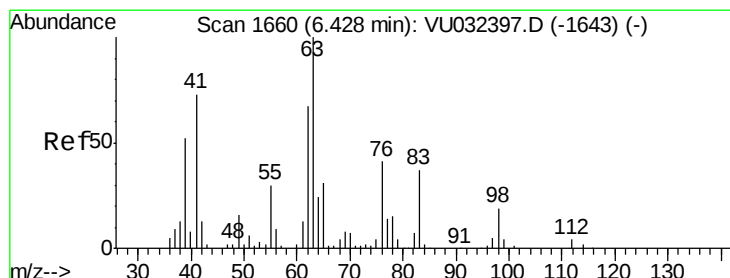
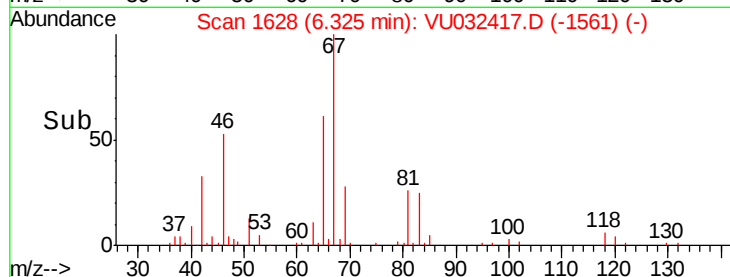
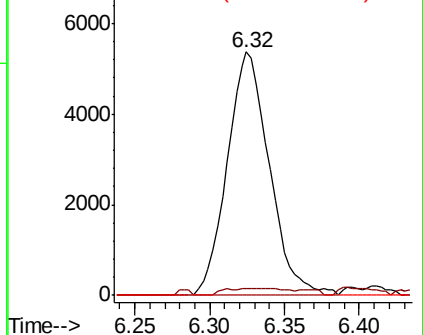
#35
Methylcyclohexane
Concen: 0.395 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

Instrument :
MSVOA_U
ClientSampleId :
GALD9MS

Tgt Ion: 83 Resp: 10501
Ion Ratio Lower Upper
83 100
55 4.2 64.7 97.1#
98 0.0 35.9 53.9#

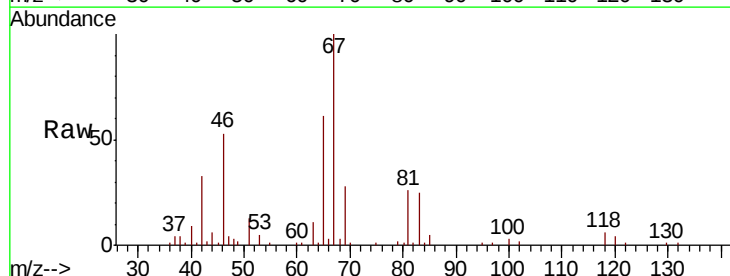


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

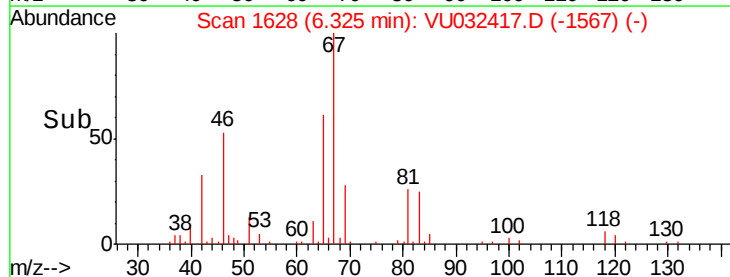
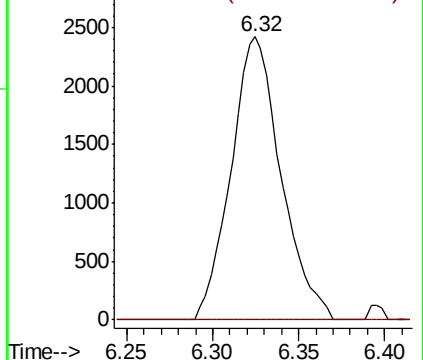


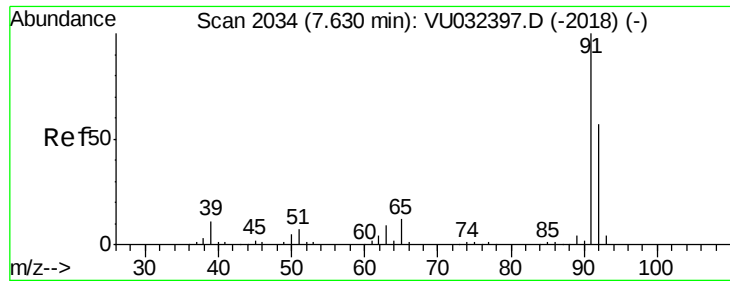
#37
1,2-Dichloropropane
Concen: 0.305 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

Tgt Ion: 63 Resp: 4876
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



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





#42

Toluene

Concen: 2.457 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032417.D

Acq: 04 Jun 2019 01:08

Instrument :

MSVOA_U

ClientSampleId :

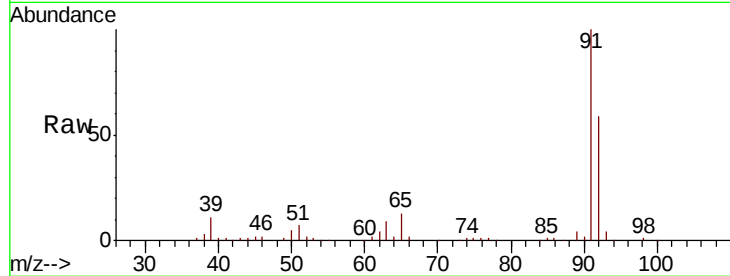
GALD9MS

Tgt Ion: 91 Resp: 155413

Ion Ratio Lower Upper

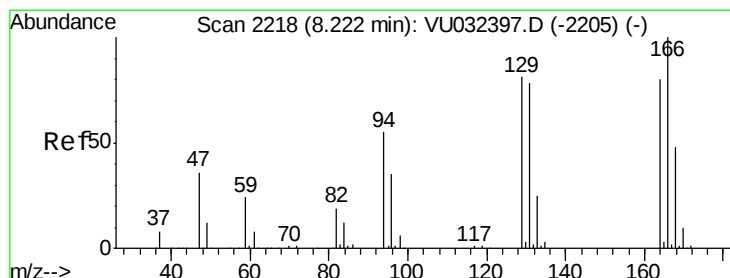
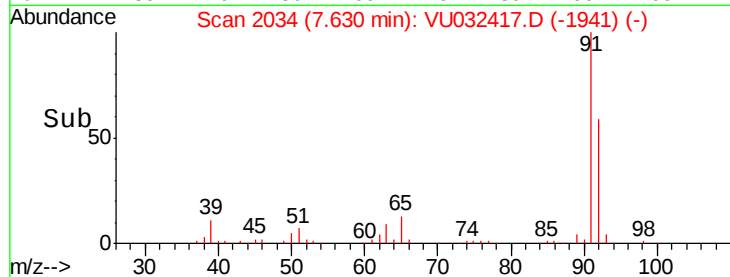
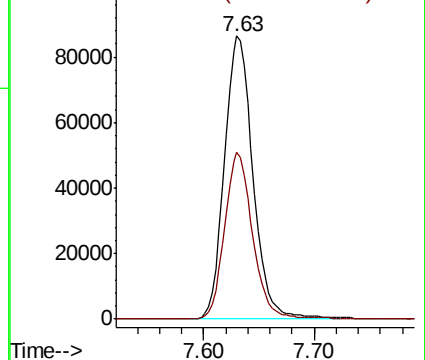
91 100

92 59.0 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032417.D (-2125) (-)

Ion 92.15 (91.85 to 92.85): VU032417.D (-2125) (-)



#47

Tetrachloroethene

Concen: 0.194 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032417.D

Acq: 04 Jun 2019 01:08

Tgt Ion: 164 Resp: 2154

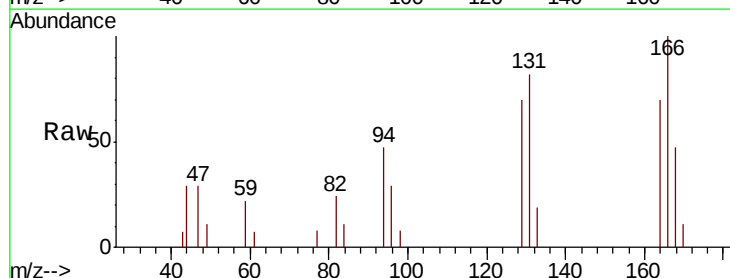
Ion Ratio Lower Upper

164 100

129 99.4 72.1 133.9

131 117.4 71.9 133.5

166 142.4 89.0 165.4

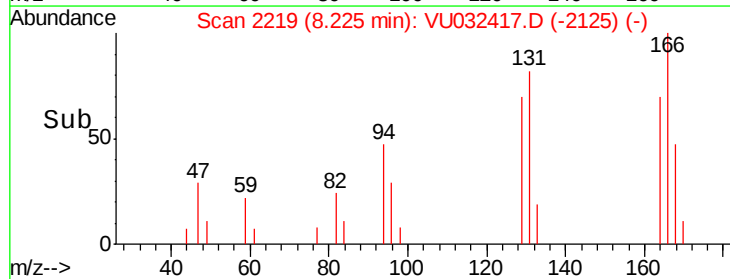
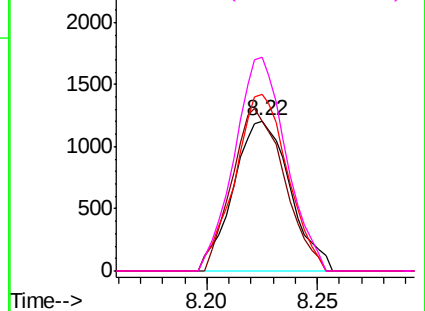


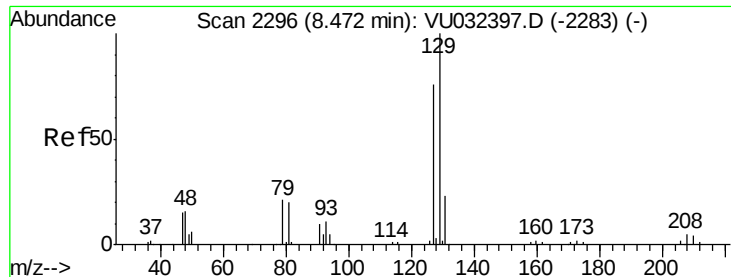
Abundance Ion 163.90 (163.60 to 164.60): VU032417.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU032417.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU032417.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU032417.D (-2125) (-)

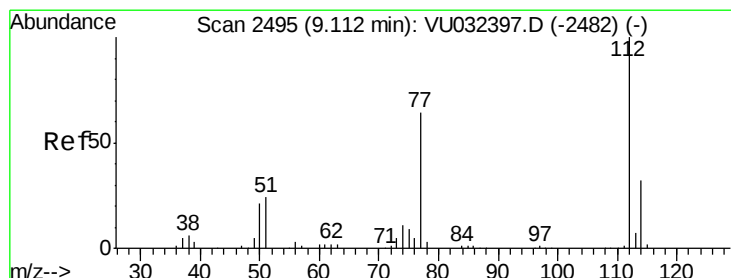
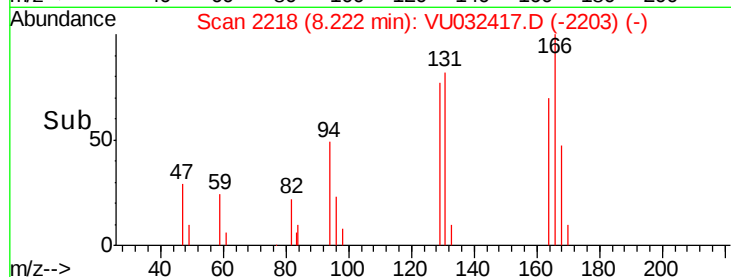
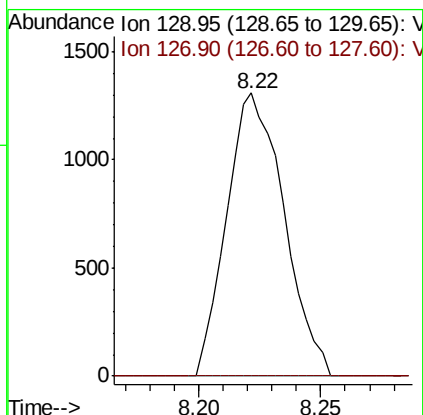
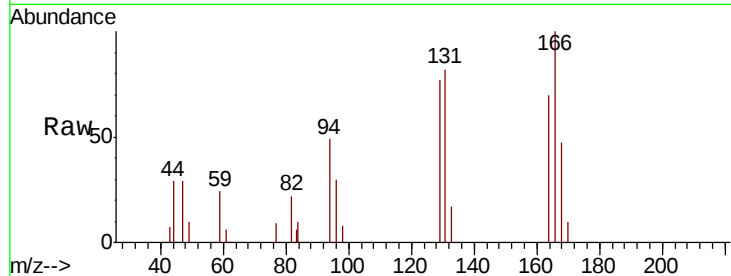




#49
Dibromochloromethane
Concen: 0.154 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

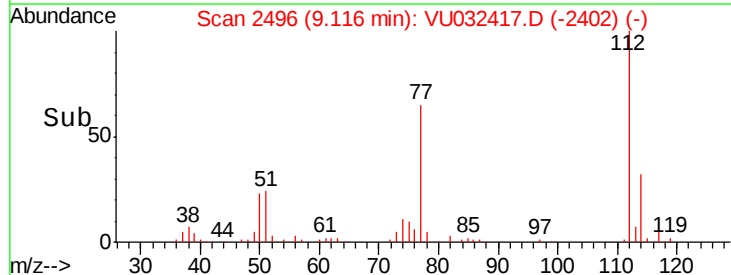
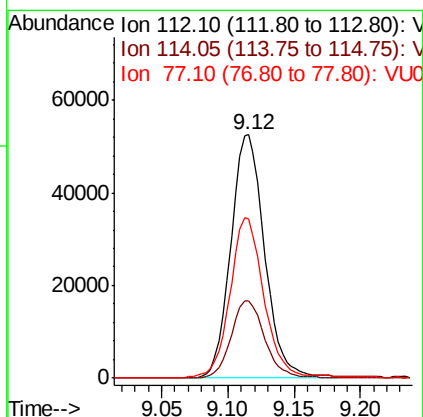
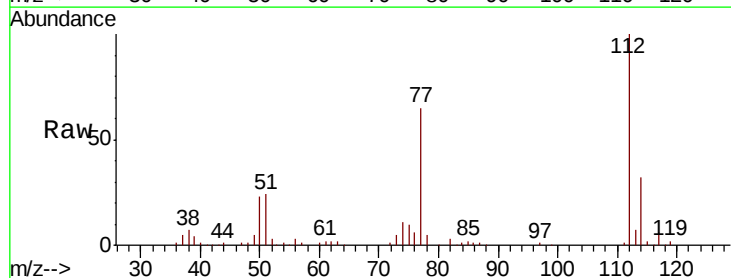
Instrument :
MSVOA_U
ClientSampled :
GALD9MS

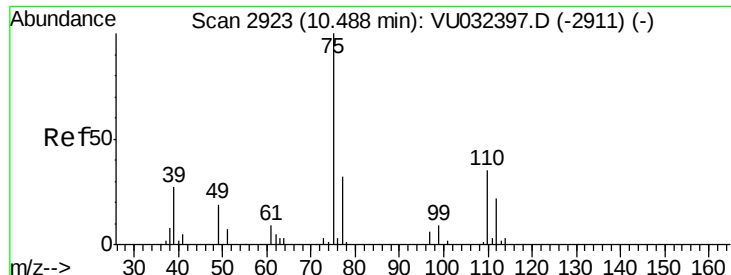
Tgt Ion:129 Resp: 2137
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#



#51
Chlorobenzene
Concen: 2.340 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032417.D
Acq: 04 Jun 2019 01:08

Tgt Ion:112 Resp: 93254
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 65.1 51.0 76.6





#59

1,2,3-Trichloropropane

Concen: 0.567 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032417.D

Acq: 04 Jun 2019 01:08

Instrument :

MSVOA_U

ClientSampleId :

GALD9MS

Tgt Ion: 75 Resp: 5891

Ion Ratio Lower Upper

75 100

77 41.4 26.1 39.1#

