

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032413.D
 Acq On : 03 Jun 2019 23:29
 Operator : JC/SP
 Sample : K3081-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALE4

Quant Time: Jun 04 09:00:38 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	84509	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78227	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36421	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.67	69	34616	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.27	63	58508	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.18	46	112216	60.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.58%
24) Chloroform-d	4.64	84	65226	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.30	65	39457	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.40%
32) Benzene-d6	5.33	84	123986	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
36) 1,2-Dichloropropane-d6	6.32	67	43602	6.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.40%
41) Toluene-d8	7.56	98	109731	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.85	79	17211	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.31	63	93538	62.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	35892	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	38423	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

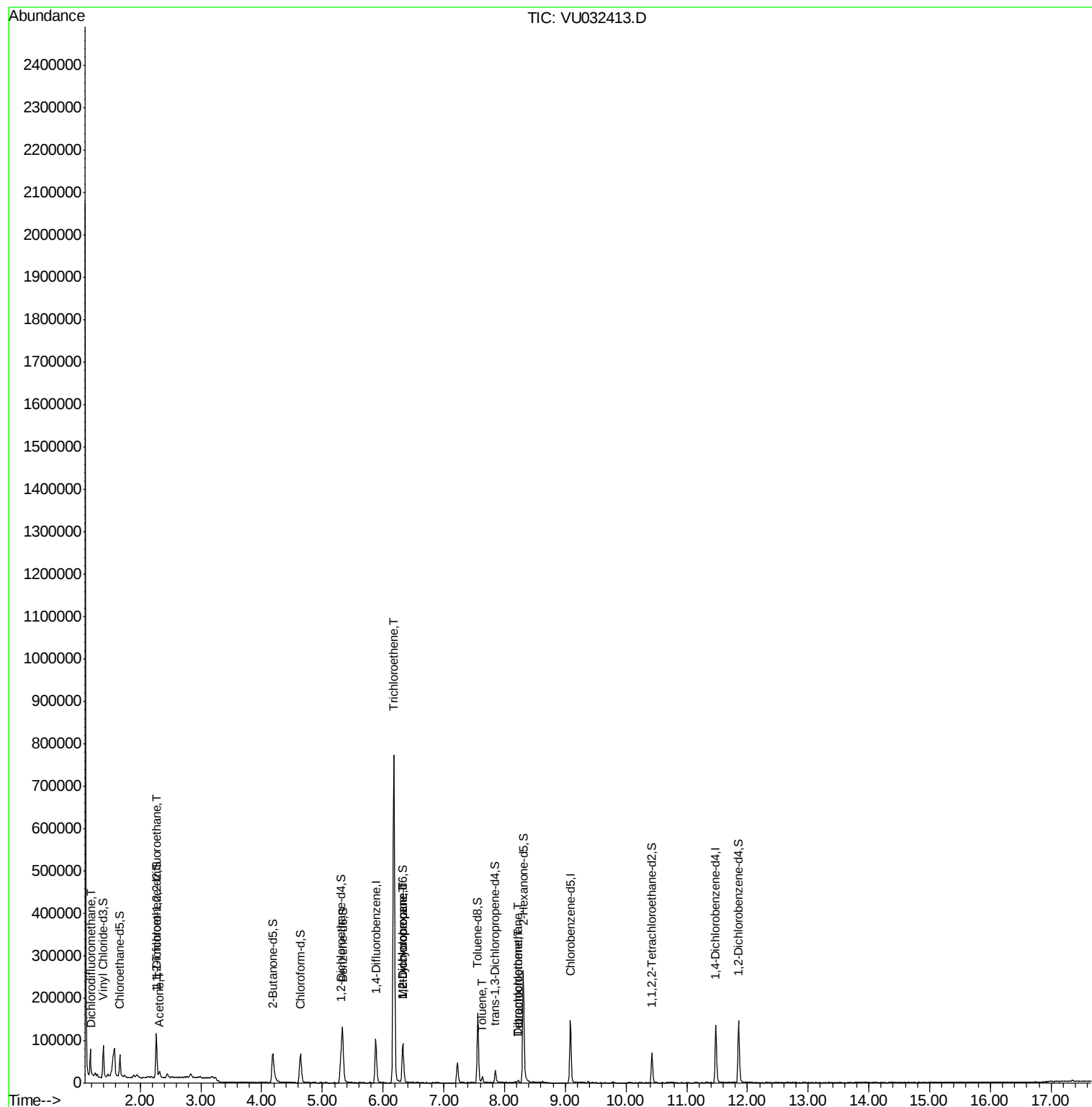
					Qvalue
2) Dichlorodifluoromethane	1.20	85	2153	0.150 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2944	0.236 ug/L	89
13) Acetone	2.32	43	14512	4.706 ug/L	97
34) Trichloroethene	6.18	95	266702	21.528 ug/L	98
35) Methylcyclohexane	6.32	83	10359	0.501 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	4777	0.384 ug/L #	90
42) Toluene	7.63	91	10526	0.214 ug/L	94
47) Tetrachloroethene	8.23	164	1092	0.126 ug/L	84
49) Dibromochloromethane	8.22	129	1257	0.117 ug/L #	12

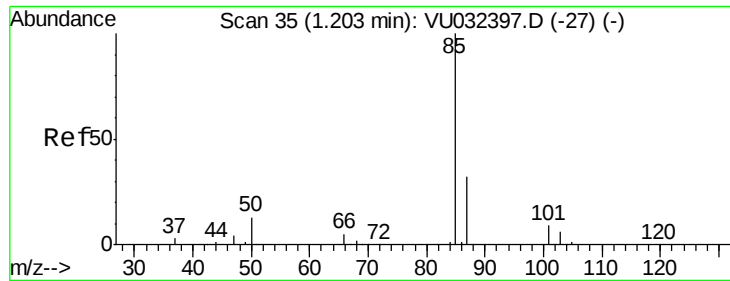
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.150 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

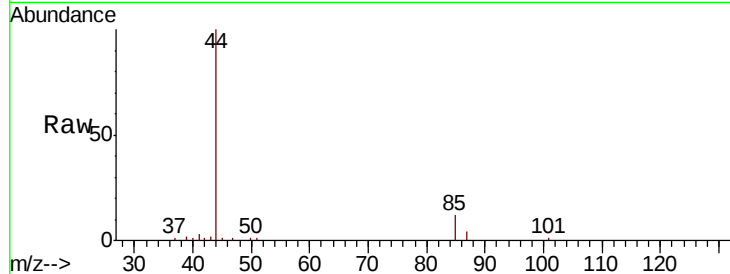
GALE4

Tgt Ion: 85 Resp: 2153

Ion Ratio Lower Upper

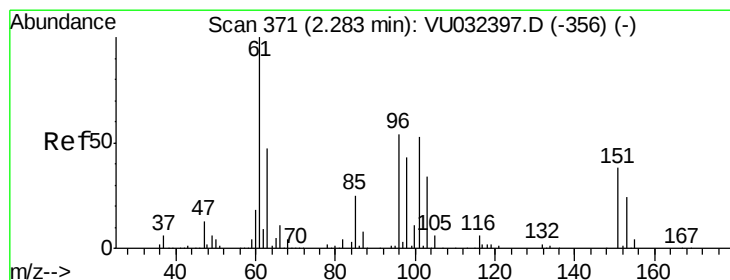
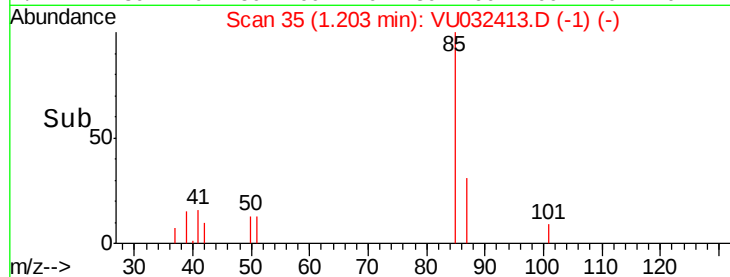
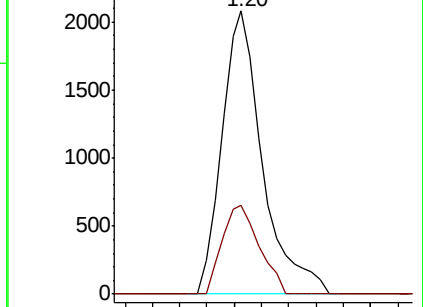
85 100

87 28.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032413.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032413.D (-1) (-)



#10

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

Concen: 0.236 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

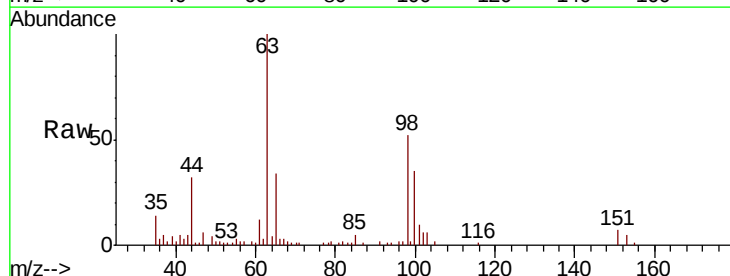
Tgt Ion: 101 Resp: 2944

Ion Ratio Lower Upper

101 100

85 45.4 38.0 57.0

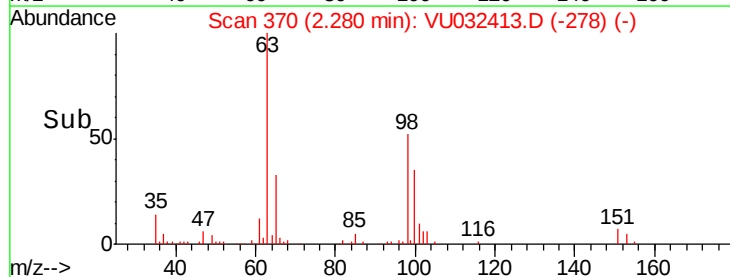
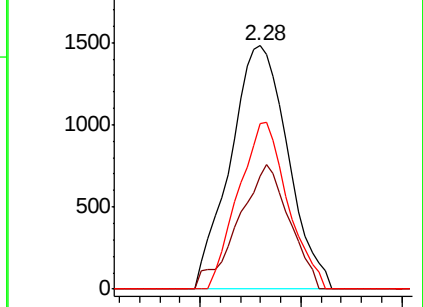
151 59.0 58.1 87.1

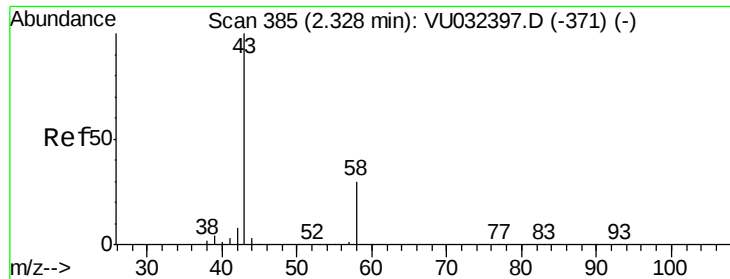


Abundance Ion 101.00 (100.70 to 101.70): VU032413.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU032413.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU032413.D (-278) (-)





#13

Acetone

Concen: 4.706 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Instrument :

MSVOA_U

ClientSampled :

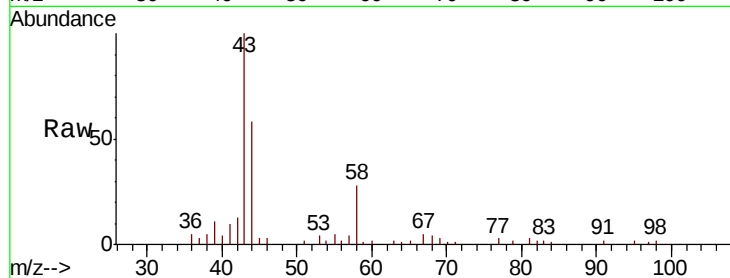
GALE4

Tgt Ion: 43 Resp: 14512

Ion Ratio Lower Upper

43 100

58 29.5 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032397.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU032397.D (-371) (-)

2.32

10000

8000

6000

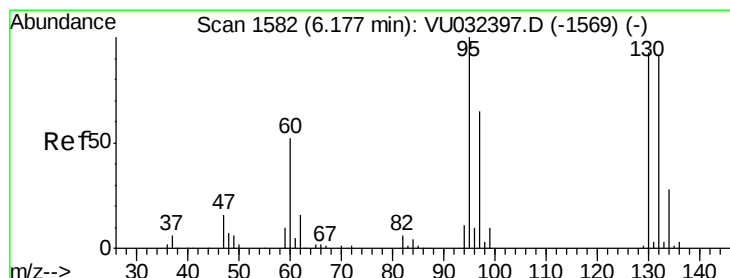
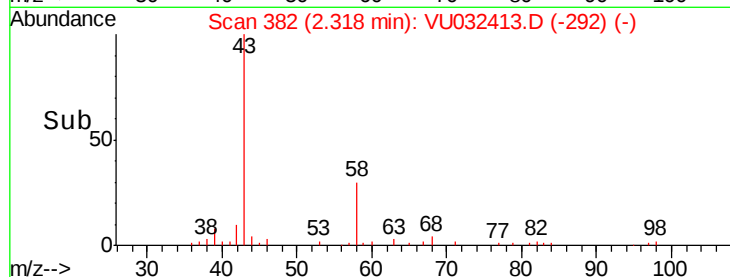
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#34

Trichloroethene

Concen: 21.528 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Tgt Ion: 95 Resp: 266702

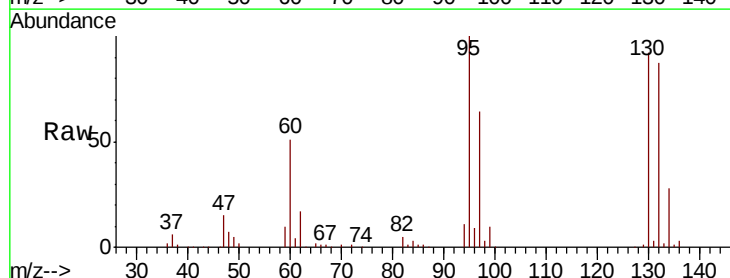
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.0

132 87.4 63.1 117.1

130 92.5 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VU032397.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU032397.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU032397.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU032397.D (-1569) (-)

200000

150000

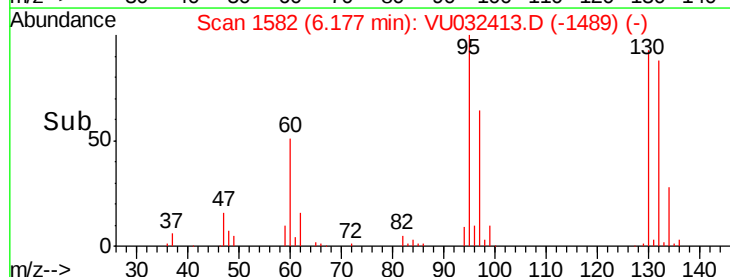
100000

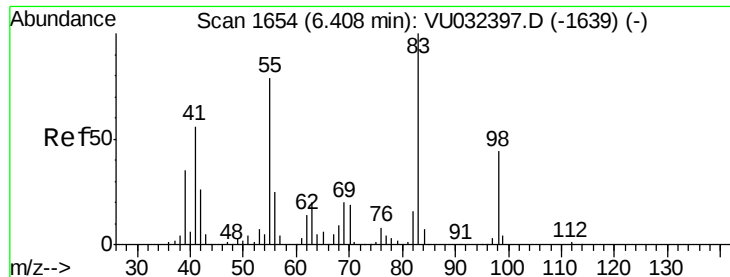
50000

0

Time-->

6.10 6.20 6.30

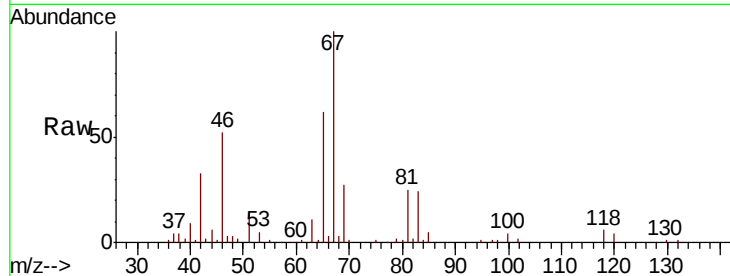




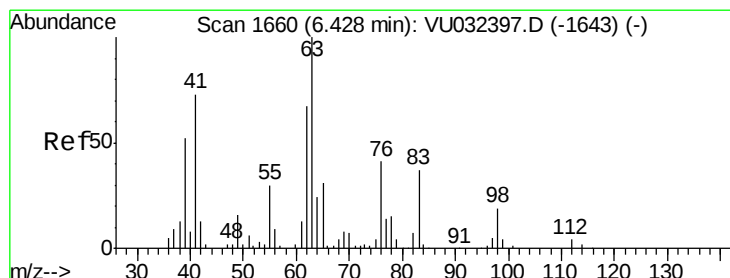
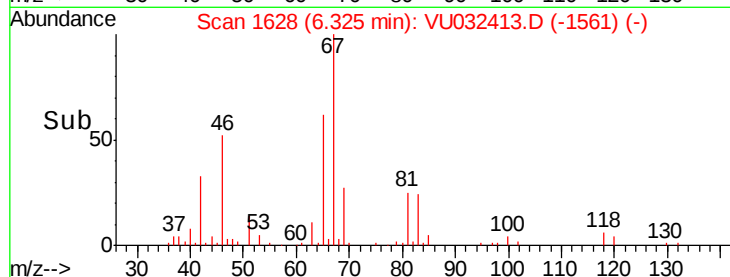
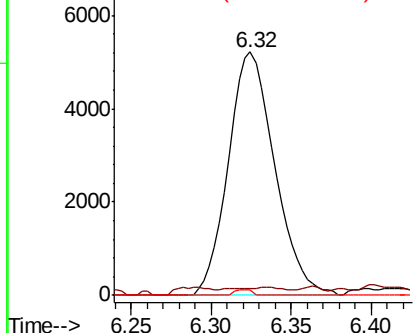
#35
Methylcyclohexane
Concen: 0.501 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032413.D
Acq: 03 Jun 2019 23:29

Instrument :
MSVOA_U
ClientSampleId :
GALE4

Tgt Ion: 83 Resp: 10359
Ion Ratio Lower Upper
83 100
55 1.4 64.7 97.1#
98 0.0 35.9 53.9#

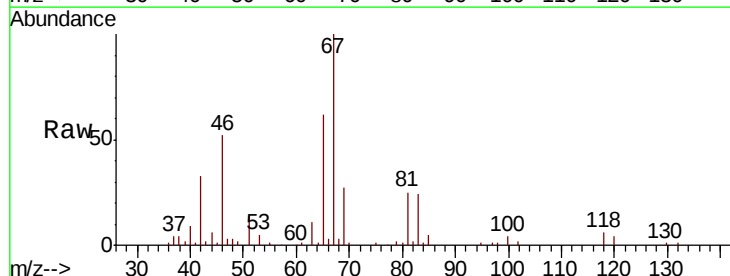


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

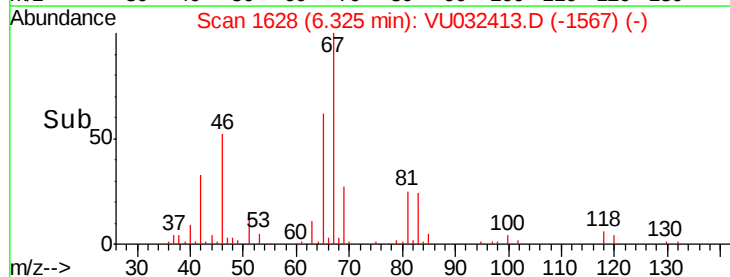
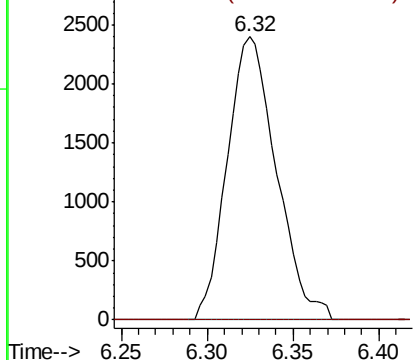


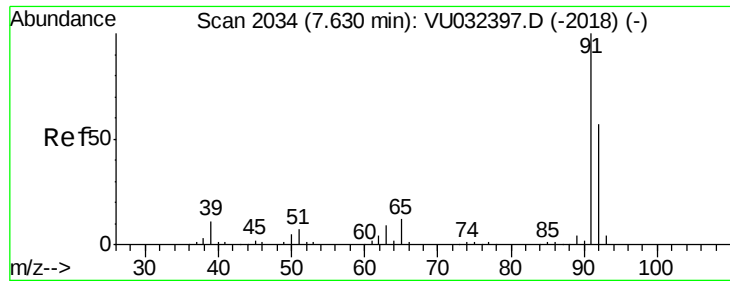
#37
1,2-Dichloropropane
Concen: 0.384 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032413.D
Acq: 03 Jun 2019 23:29

Tgt Ion: 63 Resp: 4777
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: 0.214 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

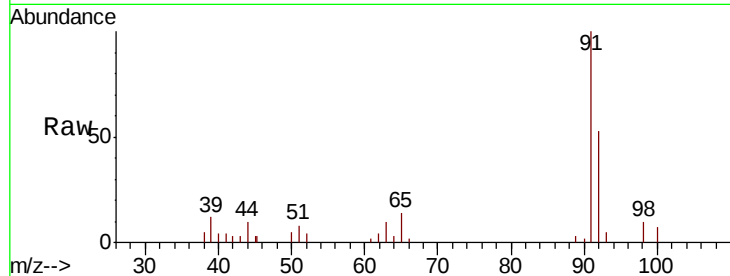
GALE4

Tgt Ion: 91 Resp: 10526

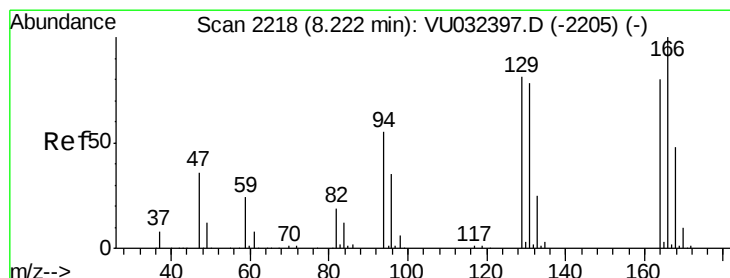
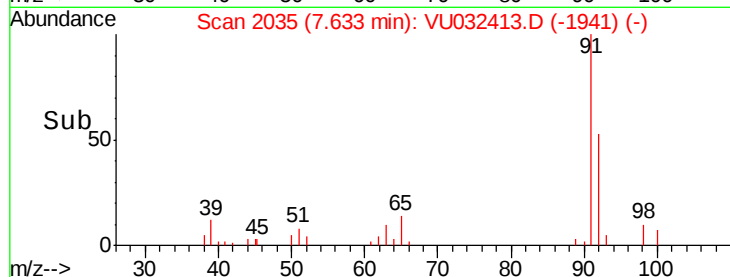
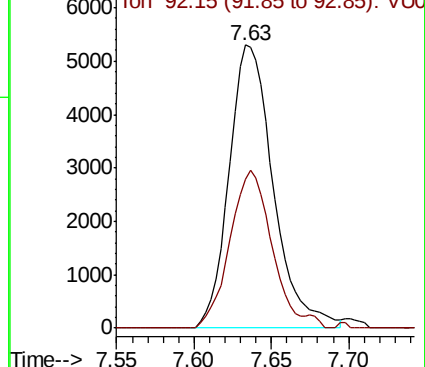
Ion Ratio Lower Upper

91 100

92 52.8 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032413.D (-2125) (-)



#47

Tetrachloroethene

Concen: 0.126 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Tgt Ion: 164 Resp: 1092

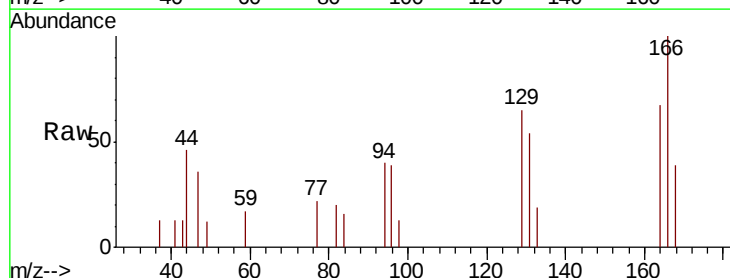
Ion Ratio Lower Upper

164 100

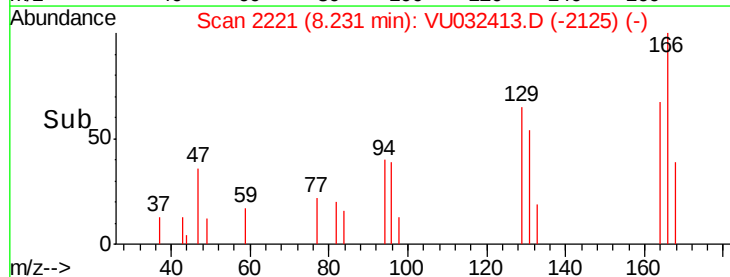
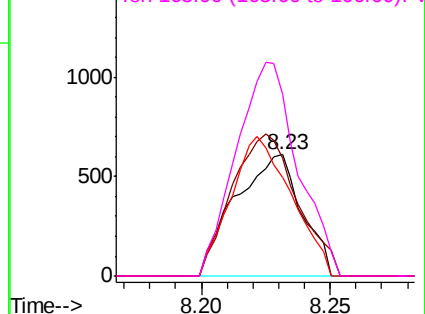
129 96.7 72.1 133.9

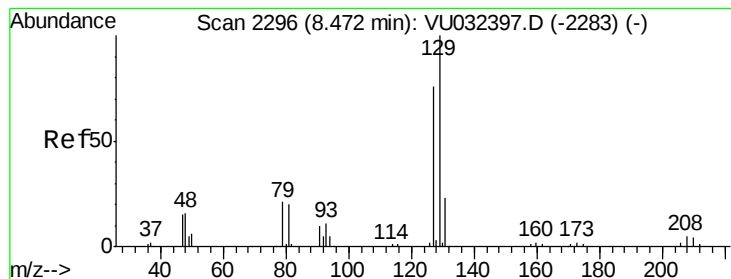
131 80.7 71.9 133.5

166 149.1 89.0 165.4



Abundance Ion 163.90 (163.60 to 164.60): VU032413.D (-2125) (-)





#49

Dibromochloromethane

Concen: 0.117 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032413.D

Acq: 03 Jun 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

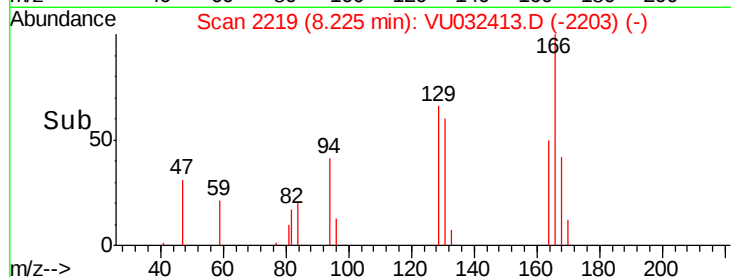
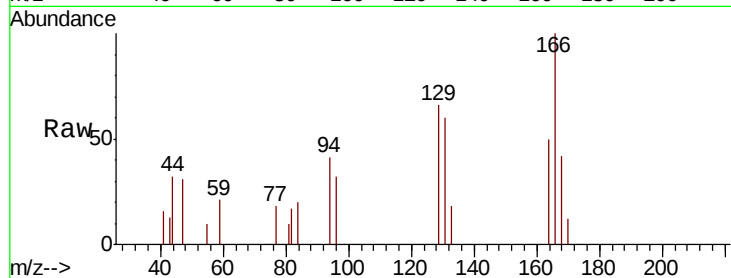
GALE4

Tgt Ion:129 Resp: 1257

Ion Ratio Lower Upper

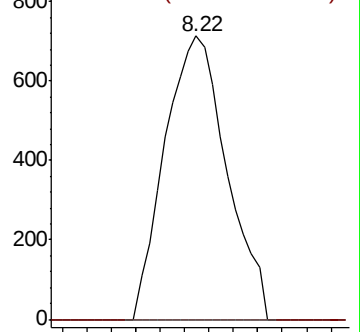
129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->