

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032366.D
 Acq On : 29 May 2019 18:09
 Operator : JC/SP
 Sample : K3045-10DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54DL

Quant Time: May 30 05:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 30 05:34:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	409278	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	384019	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192473	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	114992	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.68	69	101776	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.27	63	167077	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.19	46	317994	49.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.10%
24) Chloroform-d	4.64	84	227675	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
26) 1,2-Dichloroethane-d4	5.31	65	120737	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	5.33	84	491163	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.33	67	149239	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.56	98	449252	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.85	79	53805	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.31	63	268016	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120167	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	68.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	185444	3.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	70.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2640	0.150	ug/L	83
8) Chloroethane	1.69	64	1985	0.177	ug/L #	54
13) Acetone	2.30	43	18556	9.238	ug/L	47
15) Methyl Acetate	2.70	43	82126	13.933	ug/L #	41
27) 1,2-Dichloroethane	5.40	62	6866	0.452	ug/L #	92
30) Cyclohexane	4.98	56	25721	1.380	ug/L	92
33) Benzene	5.38	78	310509	5.977	ug/L	100
35) Methylcyclohexane	6.40	83	18772	0.914	ug/L #	57
37) 1,2-Dichloropropane	6.33	63	15679	1.254	ug/L #	97
45) 1,1,2-Trichloroethane	8.04	97	27812	2.880	ug/L #	19
48) 2-Hexanone	8.37	43	8696	1.793	ug/L #	74
52) Ethylbenzene	9.25	91	6480	0.117	ug/L	99
56) Isopropylbenzene	10.16	105	111227	2.131	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	19639	2.411	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.64	75	934	0.501	ug/L #	1
69) Naphthalene	13.75	128	12848	0.550	ug/L #	77

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QLast Update : Thu May 30 05:34:28 2019
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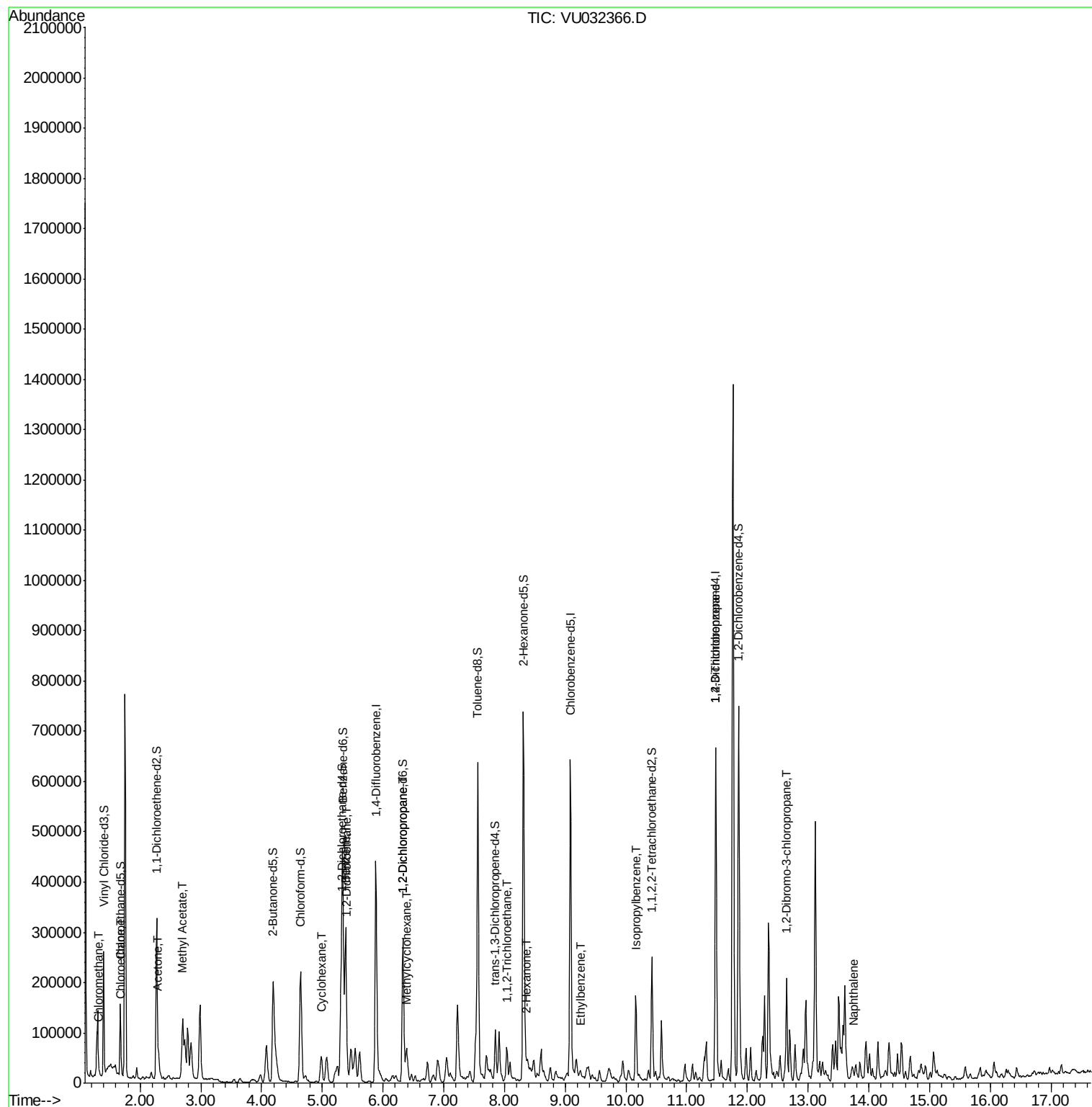
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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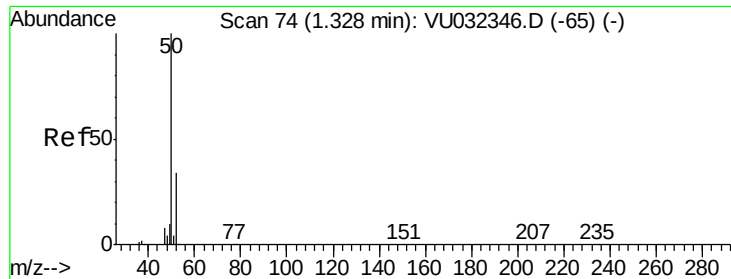
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032366.D

Acq: 29 May 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

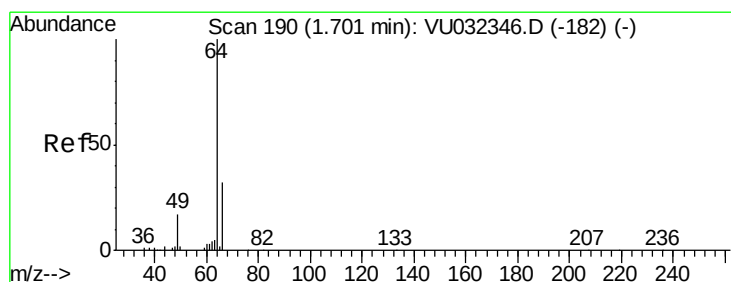
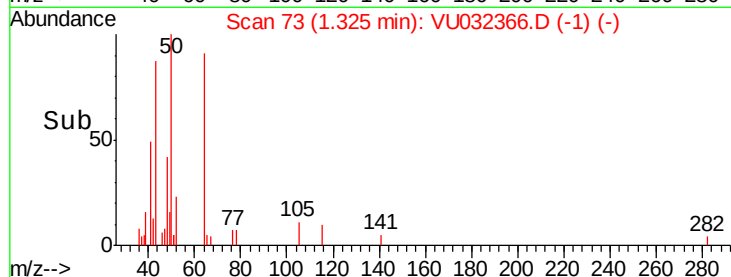
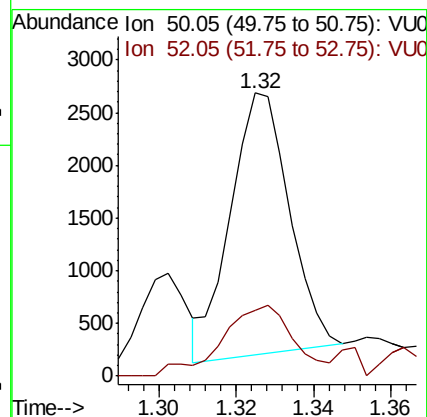
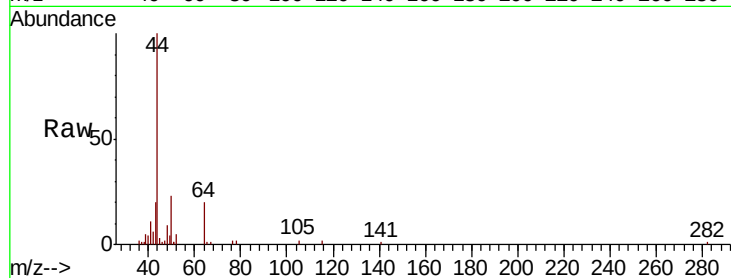
C0C54DL

Tgt Ion: 50 Resp: 2640

Ion Ratio Lower Upper

50 100

52 23.4 23.3 43.3



#8

Chloroethane

Concen: 0.177 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU032366.D

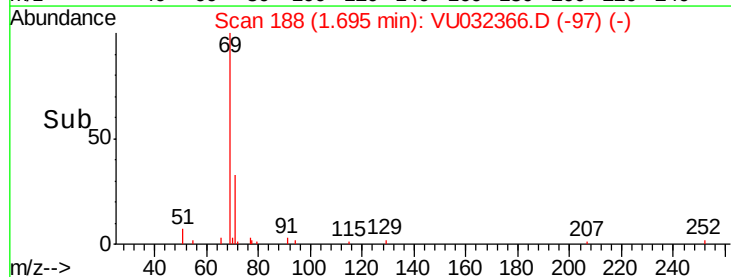
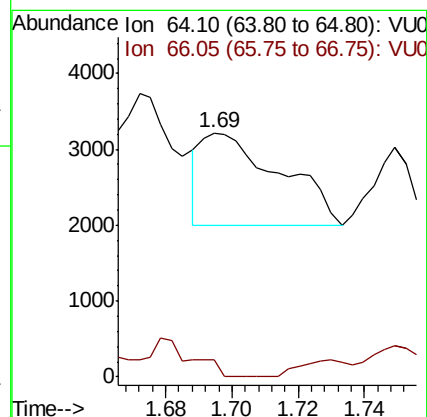
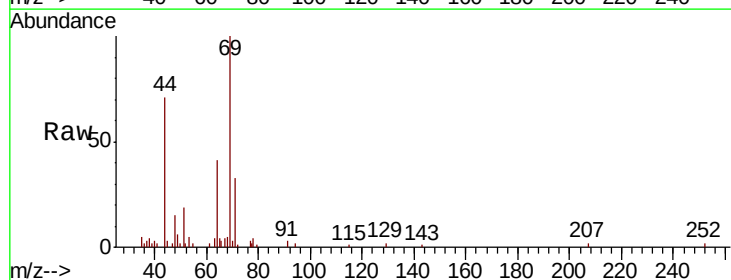
Acq: 29 May 2019 18:09

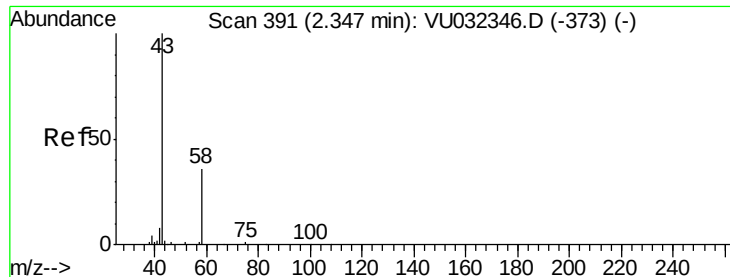
Tgt Ion: 64 Resp: 1985

Ion Ratio Lower Upper

64 100

66 6.9 23.1 42.9#





#13

Acetone

Concen: 9.238 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.05 min

Lab File: VU032366.D

Acq: 29 May 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

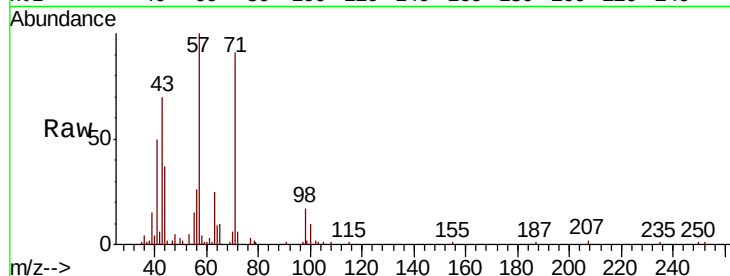
C0C54DL

Tgt Ion: 43 Resp: 18556

Ion Ratio Lower Upper

43 100

58 4.7 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032366.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU032366.D (-373) (-)

2.30

8000

6000

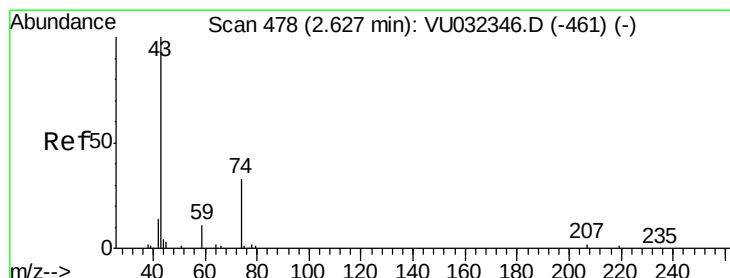
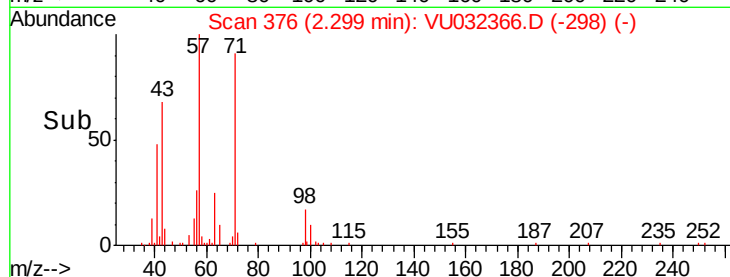
4000

2000

0

2.25 2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 13.933 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.07 min

Lab File: VU032366.D

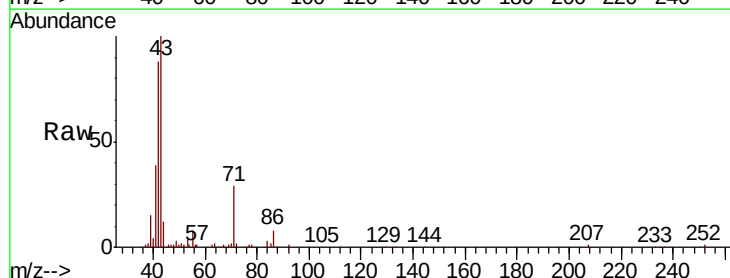
Acq: 29 May 2019 18:09

Tgt Ion: 43 Resp: 82126

Ion Ratio Lower Upper

43 100

74 0.0 27.3 40.9#



Abundance Ion 43.05 (42.75 to 43.75): VU032366.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU032366.D (-461) (-)

2.70

40000

30000

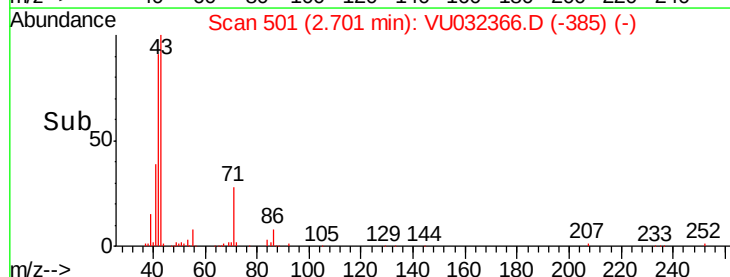
20000

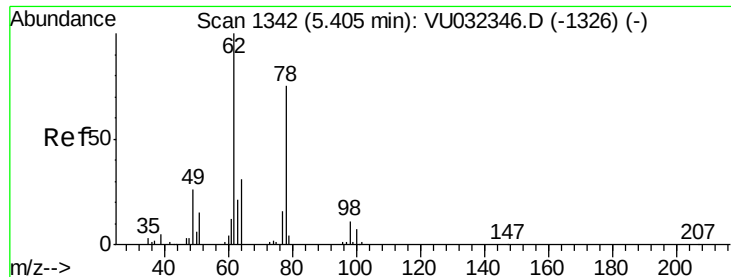
10000

0

2.65 2.70 2.75

Time-->

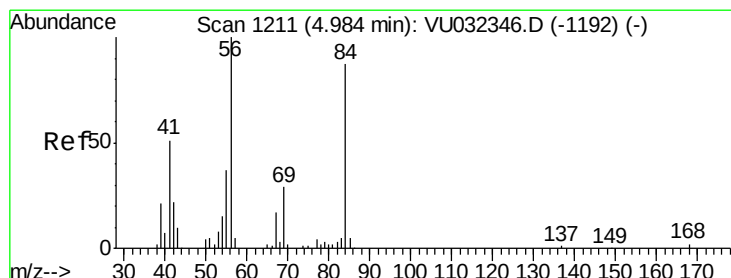
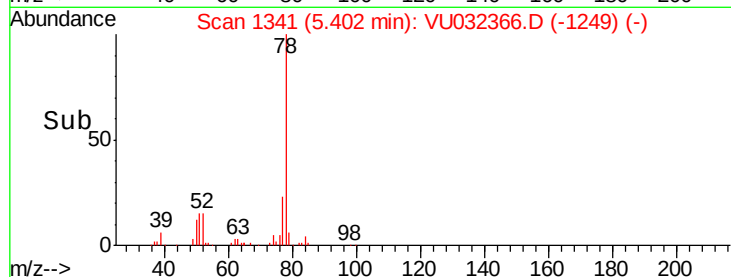
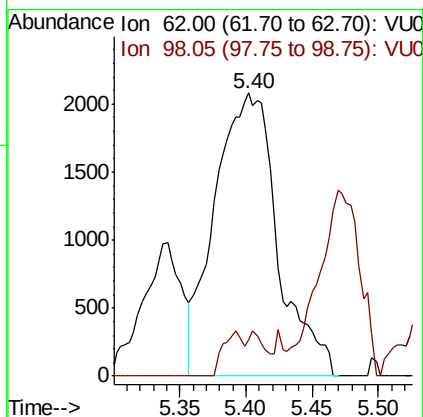
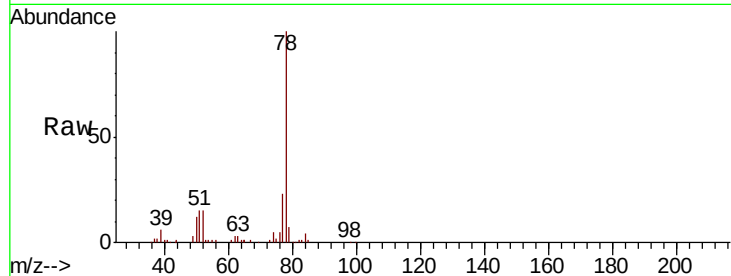




#27
 1,2-Dichloroethane
 Concen: 0.452 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

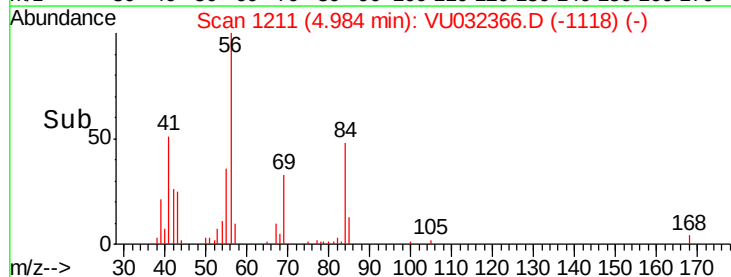
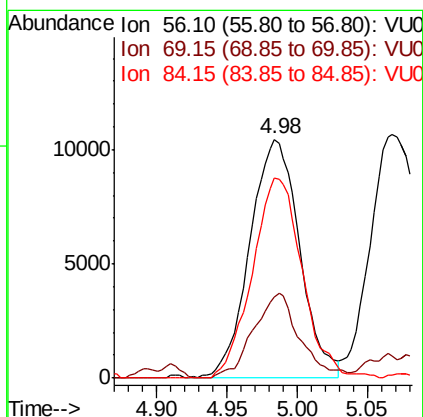
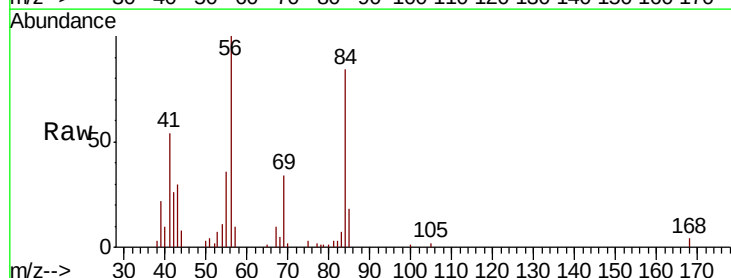
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54DL

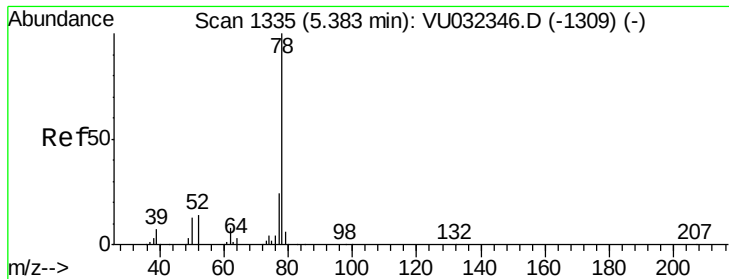
Tgt Ion: 62 Resp: 6866
 Ion Ratio Lower Upper
 62 100
 98 13.0 8.2 12.2#



#30
 Cyclohexane
 Concen: 1.380 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

Tgt Ion: 56 Resp: 25721
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.6 39.8
 84 83.3 75.0 112.6

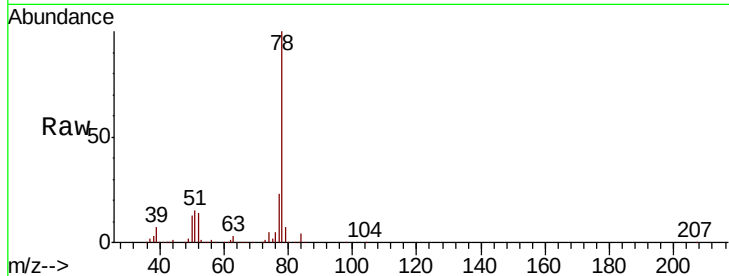




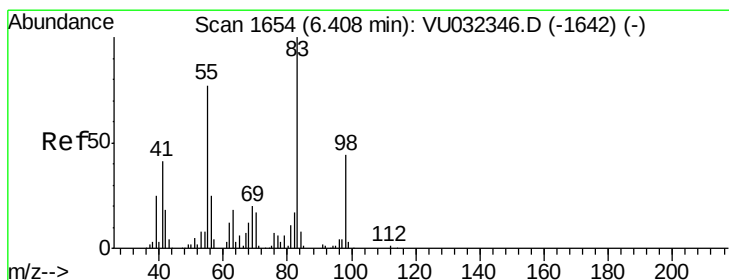
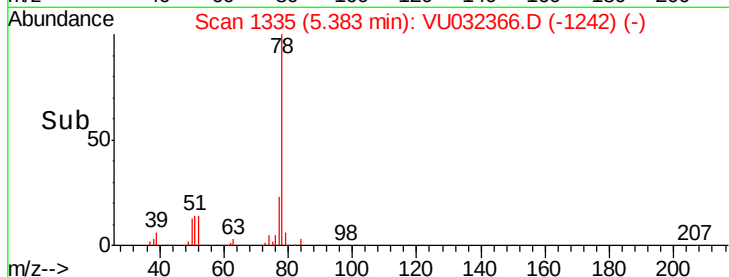
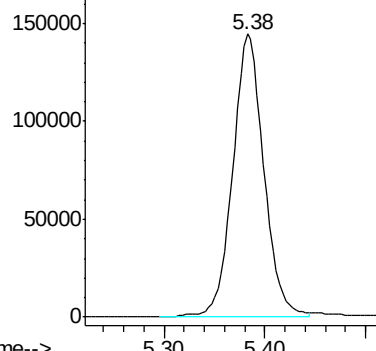
#33
Benzene
Concen: 5.977 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032366.D
Acq: 29 May 2019 18:09

Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

Tgt Ion: 78 Resp: 310509



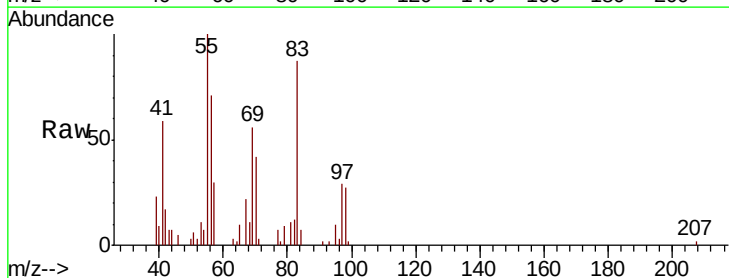
Abundance Ion 78.10 (77.80 to 78.80): VU0



#35
Methylcyclohexane
Concen: 0.914 ug/L
RT: 6.40 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VU032366.D
Acq: 29 May 2019 18:09

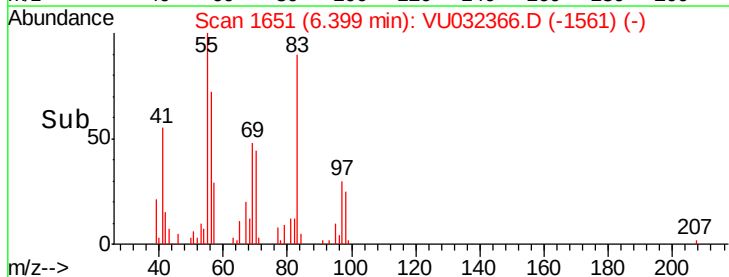
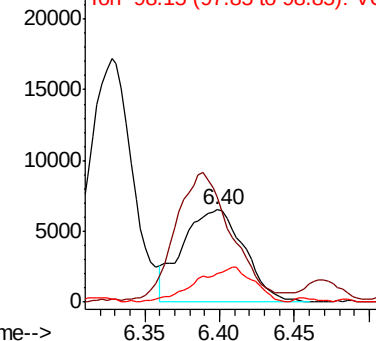
Tgt Ion: 83 Resp: 18772

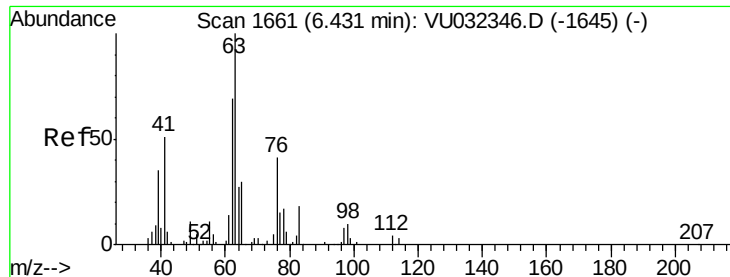
Ion	Ratio	Lower	Upper
83	100		
55	124.8	59.7	89.5#
98	34.9	37.5	56.3#



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

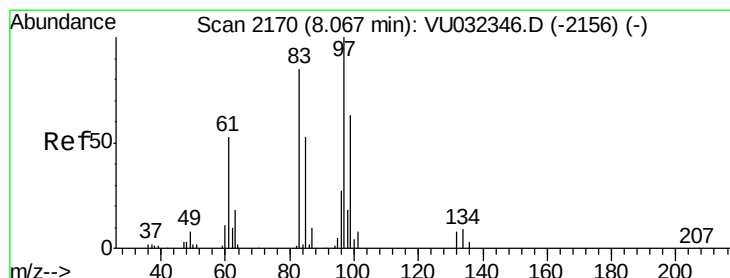
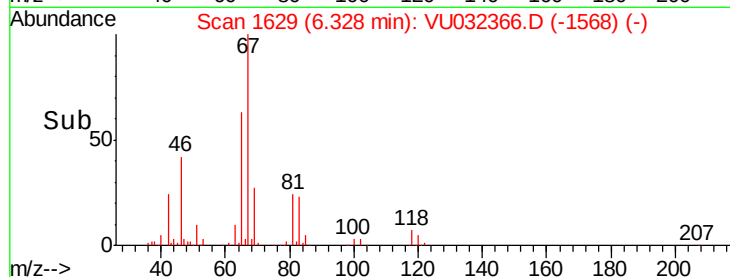
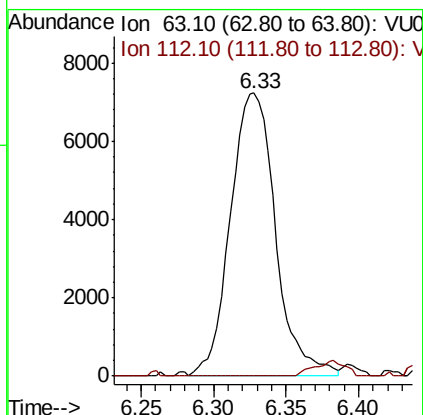
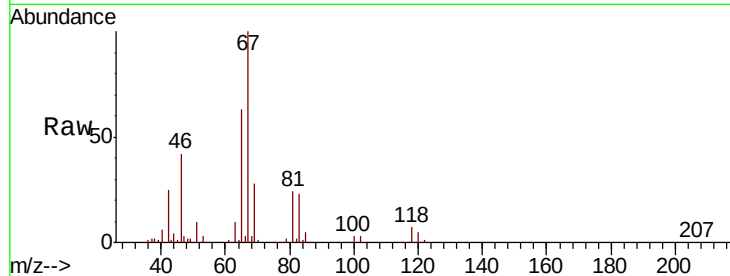




#37
 1,2-Dichloropropane
 Concen: 1.254 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

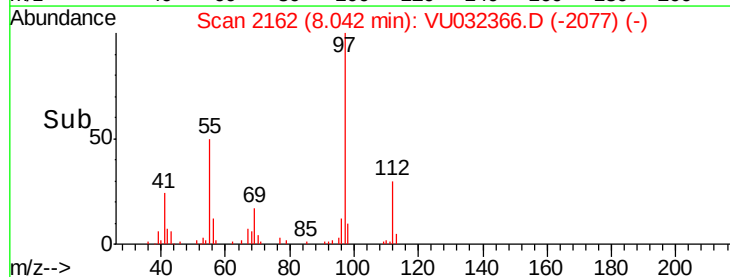
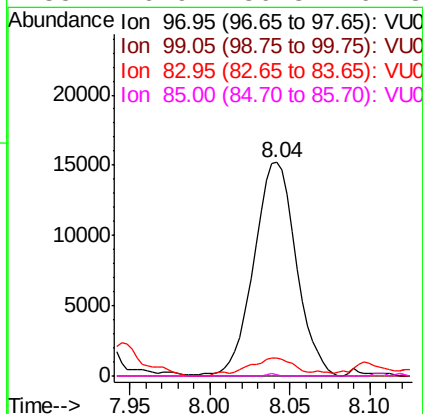
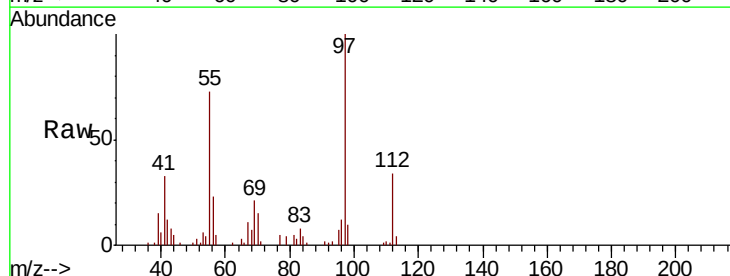
Instrument :
 MSVOA_U
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 C0C54DL

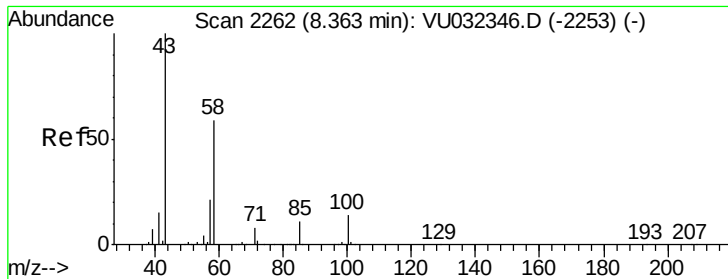
Tgt Ion: 63 Resp: 15679
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.8 5.8#



#45
 1,1,2-Trichloroethane
 Concen: 2.880 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.03 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

Tgt Ion: 97 Resp: 27812
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.0#
 83 8.2 60.5 112.3#
 85 0.9 36.3 67.3#

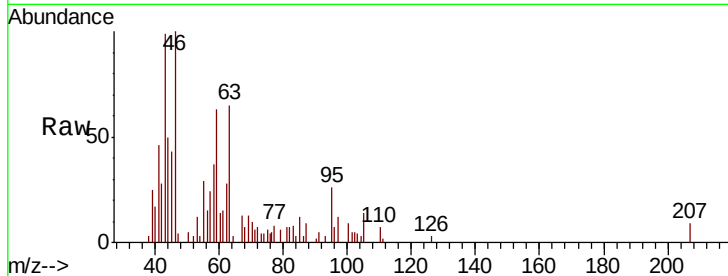




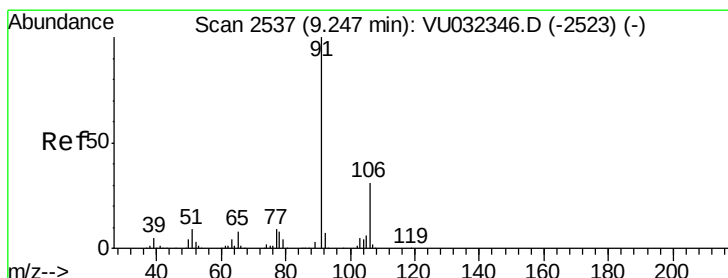
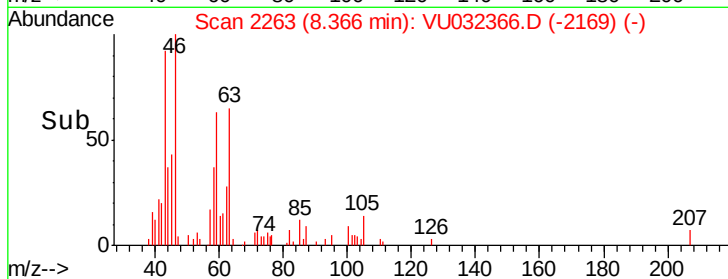
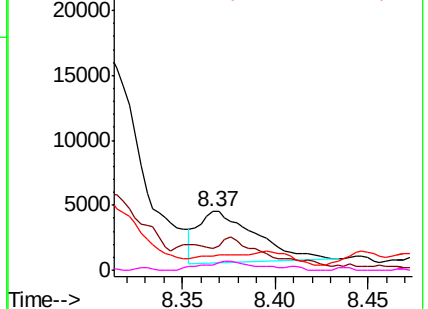
#48
2-Hexanone
Concen: 1.793 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032366.D
Acq: 29 May 2019 18:09

Instrument :
MSVOA_U
ClientSampleId :
C0C54DL

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
58 43.6 49.7 74.5#
57 0.0 17.1 25.7#
100 15.7 11.6 17.4

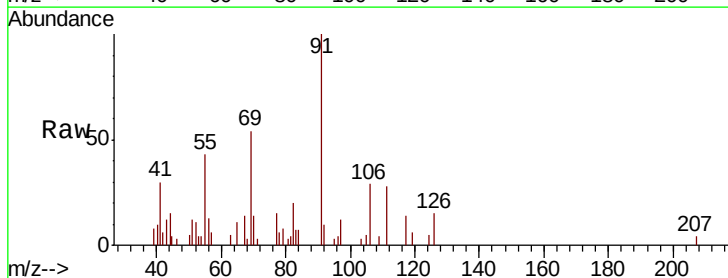


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

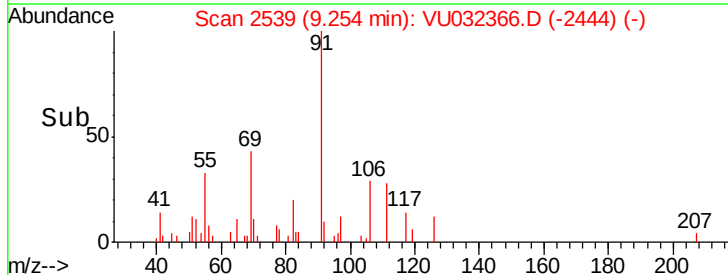
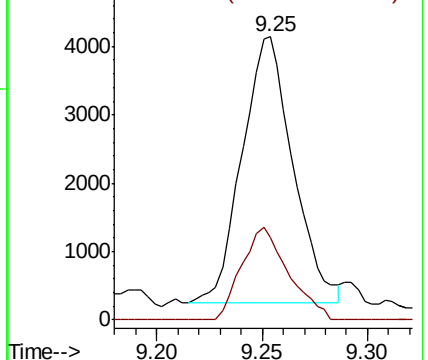


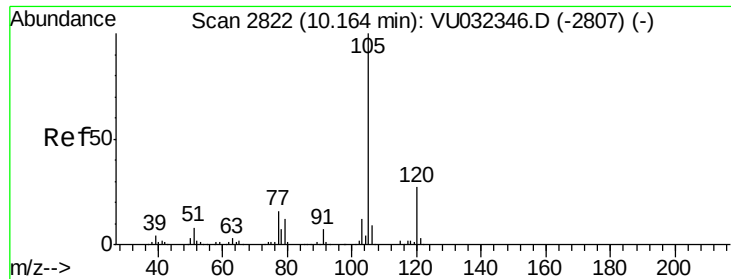
#52
Ethylbenzene
Concen: 0.117 ug/L
RT: 9.25 min Scan# 2539
Delta R.T. 0.01 min
Lab File: VU032366.D
Acq: 29 May 2019 18:09

Tgt Ion: 91 Resp: 6480
Ion Ratio Lower Upper
91 100
106 29.1 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0





#56

Isopropylbenzene

Concen: 2.131 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032366.D

Acq: 29 May 2019 18:09

Instrument :

MSVOA_U

ClientSampled :

C0C54DL

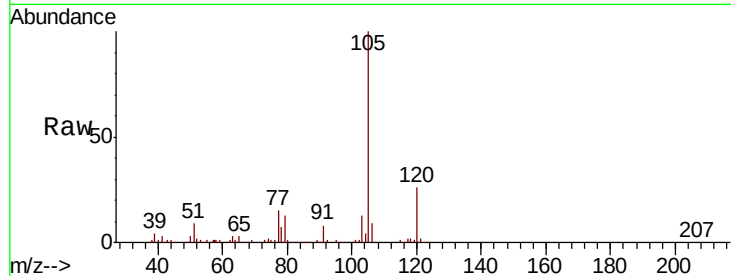
Tgt Ion:105 Resp: 111227

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

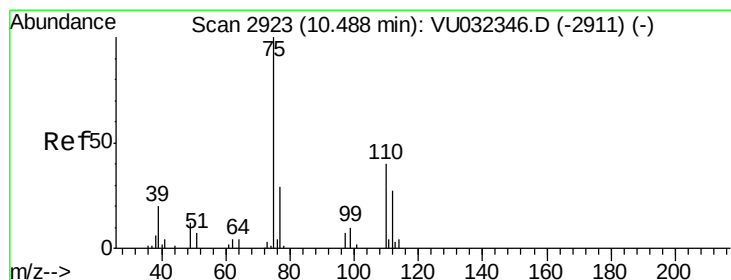
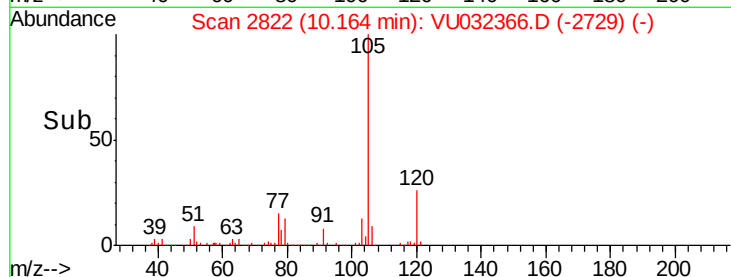
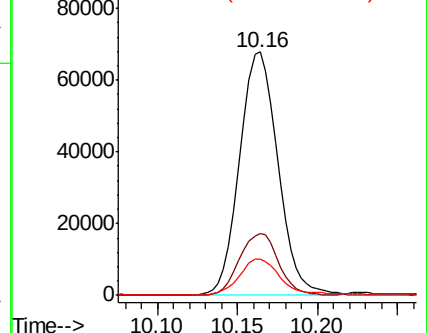
77 16.1 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 2.411 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032366.D

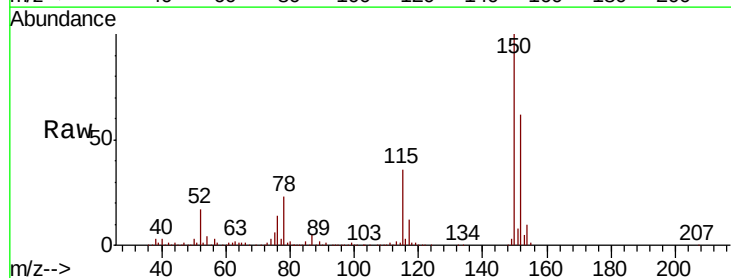
Acq: 29 May 2019 18:09

Tgt Ion: 75 Resp: 19639

Ion Ratio Lower Upper

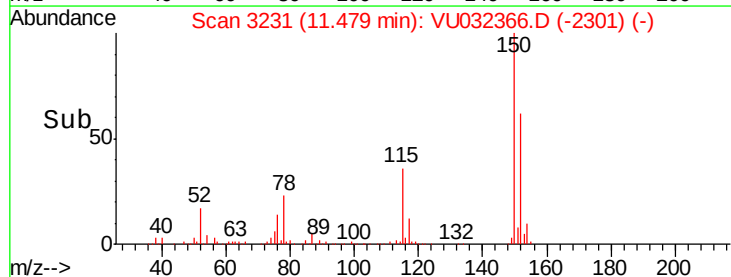
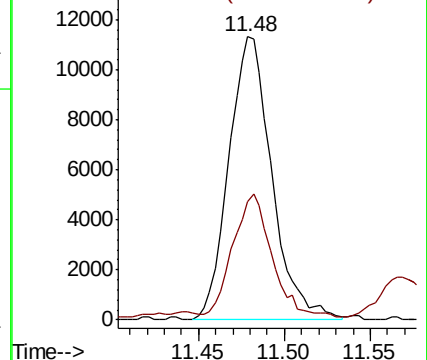
75 100

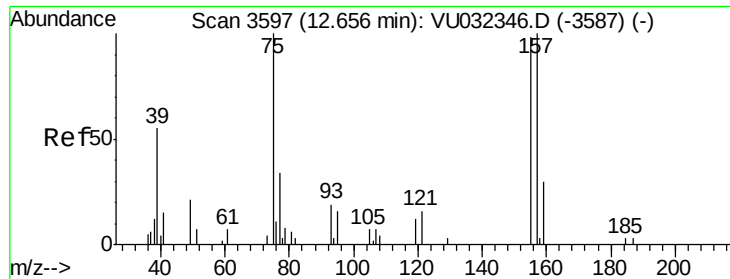
77 39.6 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

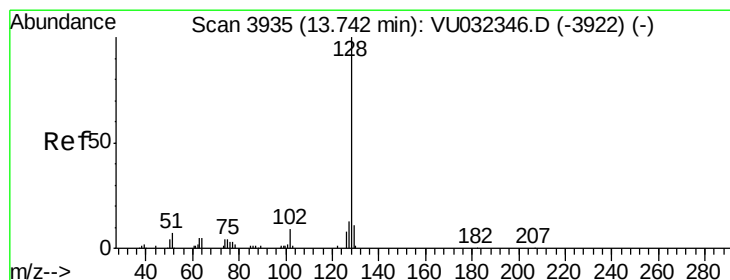
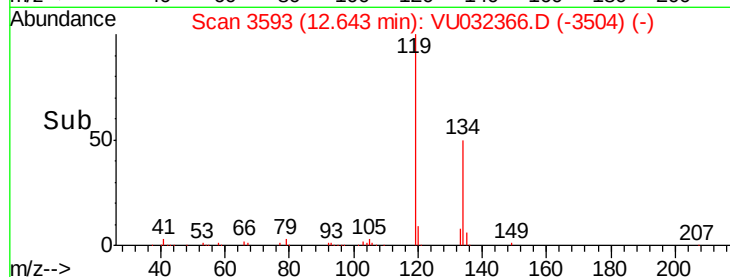
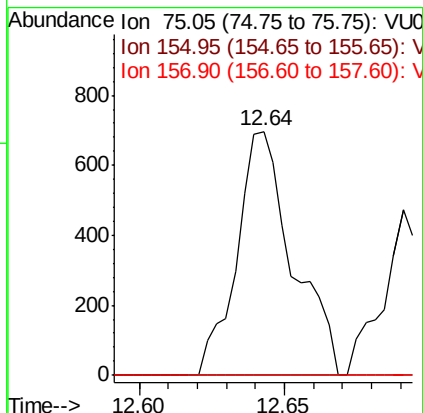
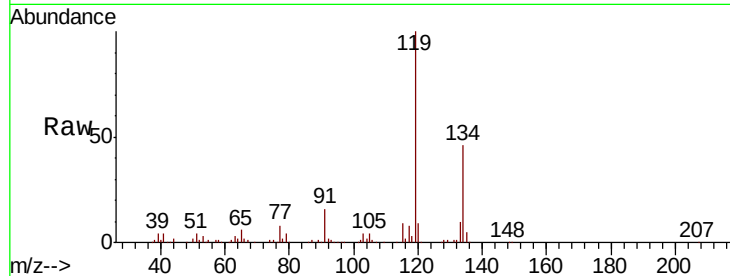




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.501 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.01 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54DL

Tgt Ion: 75 Resp: 934
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 0.0 90.6 135.8#



#69
 Naphthalene
 Concen: 0.550 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. 0.01 min
 Lab File: VU032366.D
 Acq: 29 May 2019 18:09

Tgt Ion: 128 Resp: 12848
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.2 13.8#
 127 6.9 11.1 16.7#

