

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032356.D
 Acq On : 29 May 2019 13:16
 Operator : JC/SP
 Sample : K3045-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54

Quant Time: May 30 05:38:38 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	417309	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	203717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	134046	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.68	69	115871	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.27	63	195063	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.19	46	326227	49.35	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.70%
24) Chloroform-d	4.64	84	253979	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	120064	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
32) Benzene-d6	5.33	84	533079	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	160103	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.56	98	533770	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	58590	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.31	63	272410	49.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126924	3.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	67.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	200135	3.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	2929	0.164 ug/L	98
8) Chloroethane	1.45	64	223558	19.498 ug/L #	50
12) 1,1-Dichloroethene	2.27	96	1635	0.110 ug/L #	1
13) Acetone	2.30	43	90455	44.164 ug/L	53
15) Methyl Acetate	2.70	43	428903	71.367 ug/L #	41
19) 1,1-Dichloroethane	3.44	63	5497	0.223 ug/L #	92
21) 2-Butanone	4.21	43	11529	3.731 ug/L #	45
27) 1,2-Dichloroethane	5.40	62	31859	2.059 ug/L #	92
30) Cyclohexane	4.98	56	144461	7.201 ug/L	92
33) Benzene	5.38	78	1773577	31.712 ug/L	100
35) Methylcyclohexane	6.39	83	106990	4.839 ug/L #	56
38) Bromodichloromethane	6.74	83	4574	0.261 ug/L #	69
40) 4-Methyl-2-pentanone	7.52	43	24620	3.617 ug/L #	40
42) Toluene	7.64	91	18936	0.319 ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	2669	0.177 ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	151610	14.581 ug/L #	20
48) 2-Hexanone	8.37	43	10194	1.953 ug/L #	56

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QLast Update : Thu May 30 05:34:28 2019
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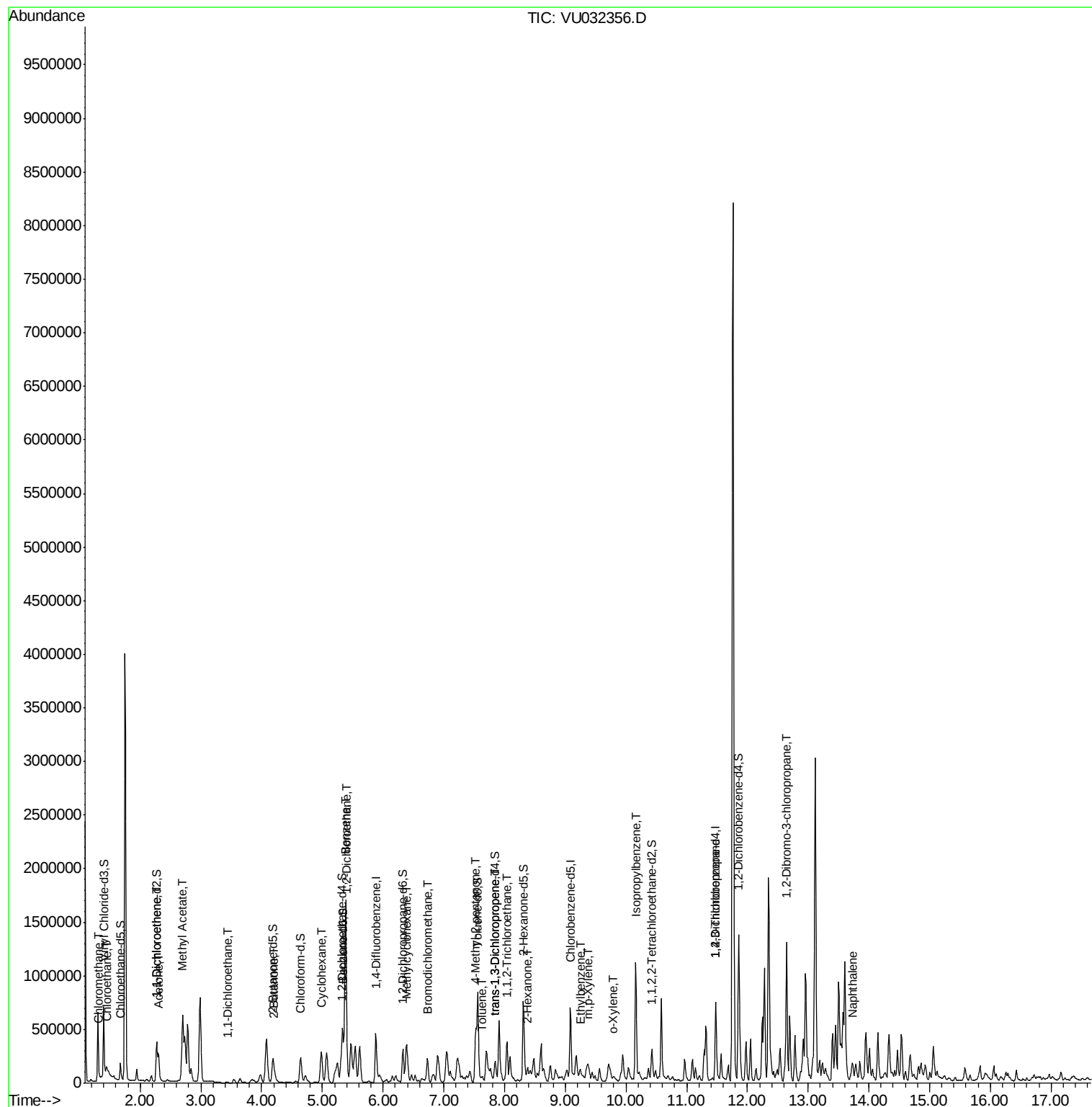
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.25	91	29423	0.492	ug/L	100
53) m,p-Xylene	9.37	106	10469	0.471	ug/L	93
54) o-Xylene	9.78	106	5008	0.225	ug/L	85
56) Isopropylbenzene	10.16	105	732470	13.035	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	21671	2.471	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.64	75	5765	2.924	ug/L #	1
69) Naphthalene	13.74	128	70832	2.867	ug/L #	78

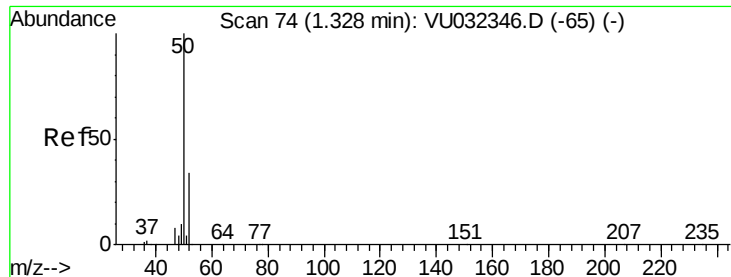
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.164 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

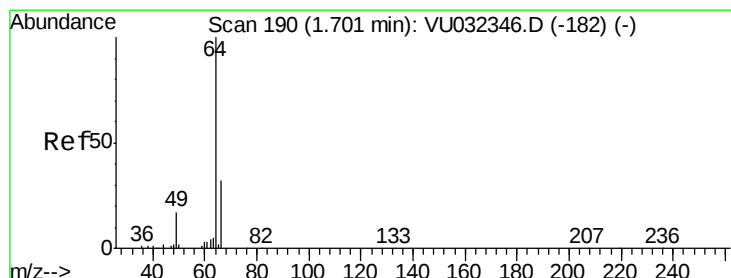
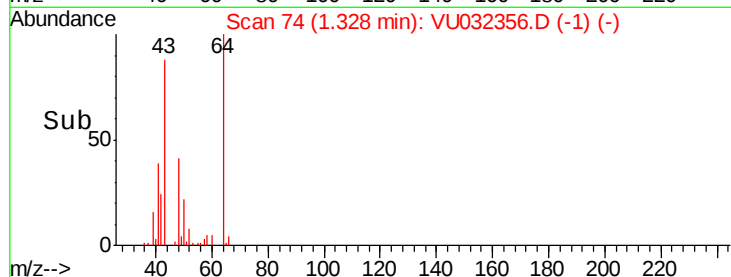
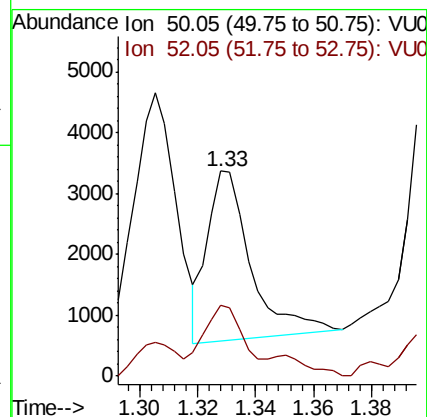
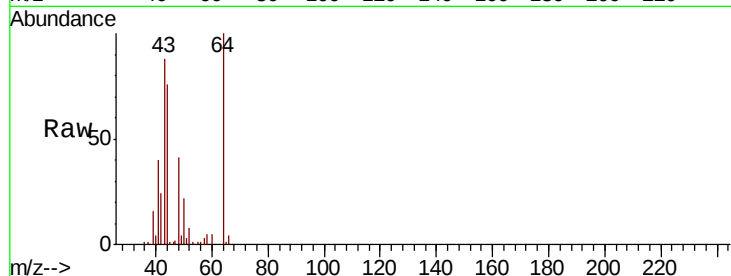
C0C54

Tgt Ion: 50 Resp: 2929

Ion Ratio Lower Upper

50 100

52 34.5 23.3 43.3



#8

Chloroethane

Concen: 19.498 ug/L

RT: 1.45 min Scan# 113

Delta R.T. -0.25 min

Lab File: VU032356.D

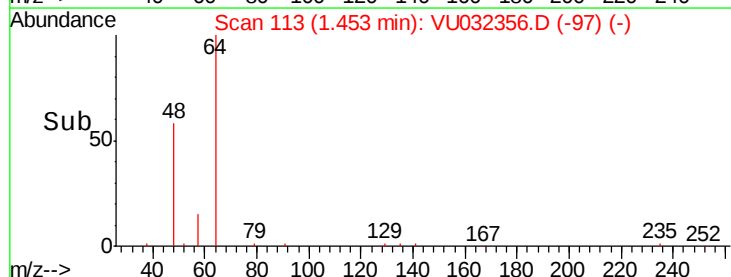
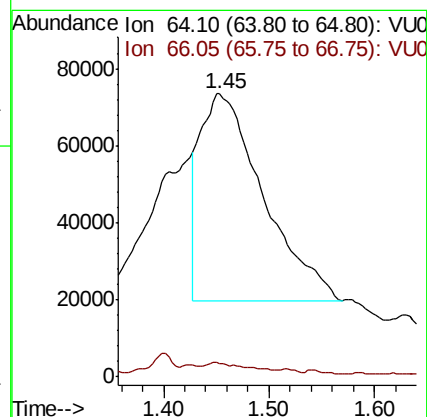
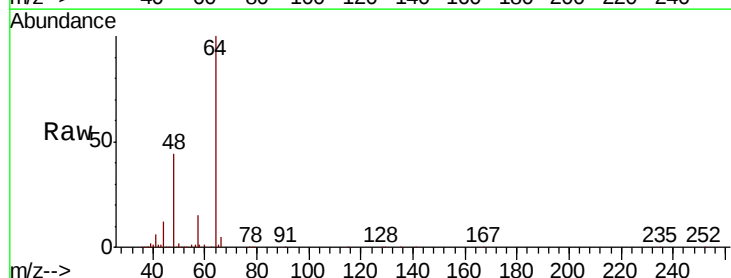
Acq: 29 May 2019 13:16

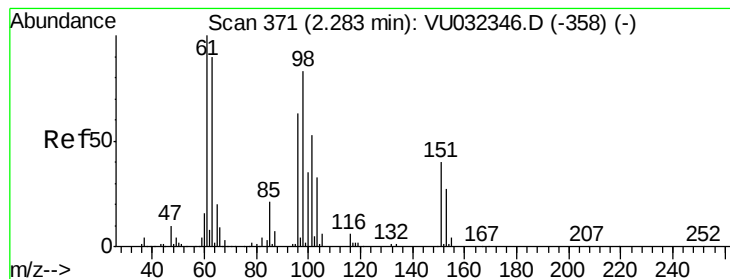
Tgt Ion: 64 Resp: 223558

Ion Ratio Lower Upper

64 100

66 4.9 23.1 42.9#





#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0C54

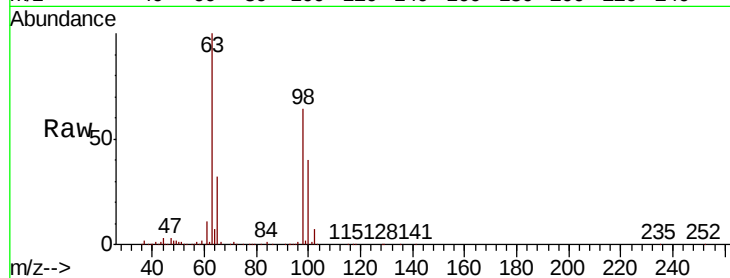
Tgt Ion: 96 Resp: 1635

Ion Ratio Lower Upper

96 100

61 1203.1 113.8 211.3#

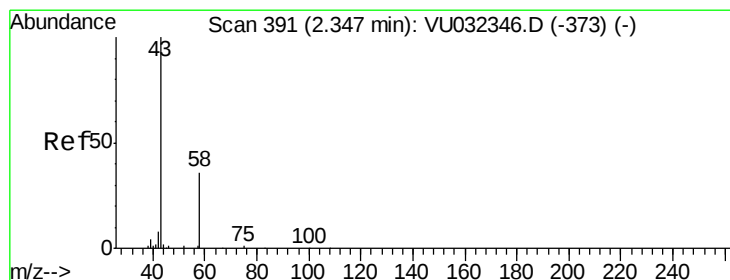
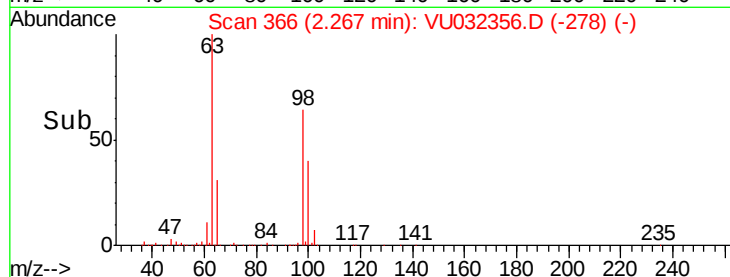
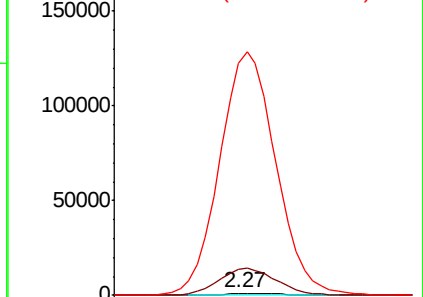
63 10686.0 108.8 202.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 44.164 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.05 min

Lab File: VU032356.D

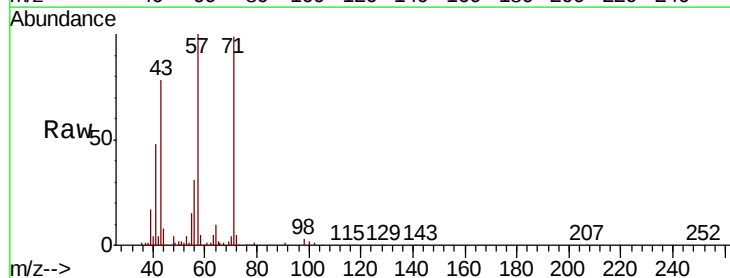
Acq: 29 May 2019 13:16

Tgt Ion: 43 Resp: 90455

Ion Ratio Lower Upper

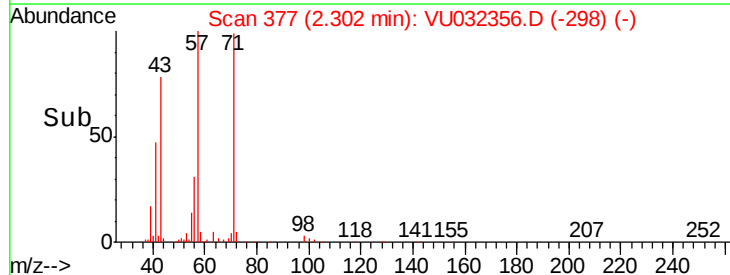
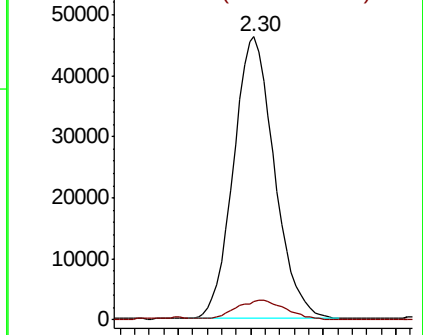
43 100

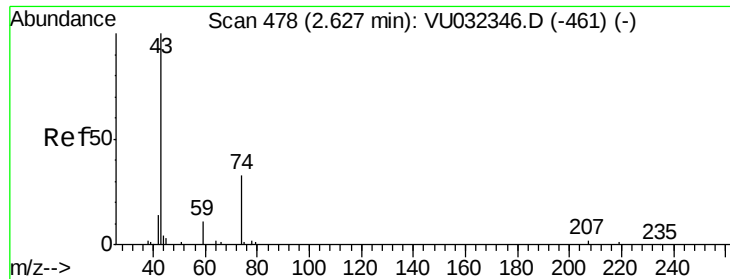
58 8.7 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

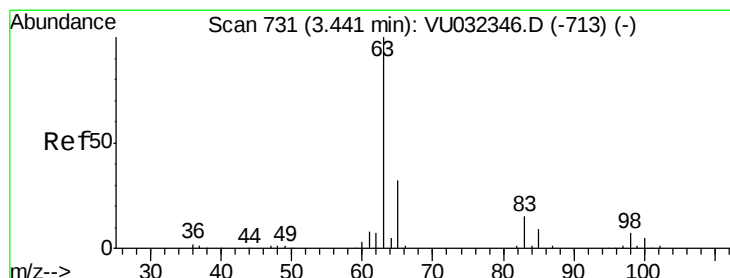
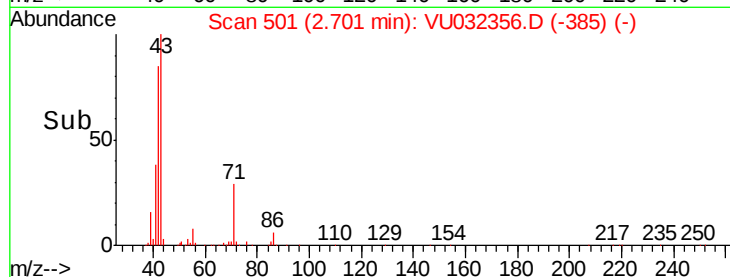
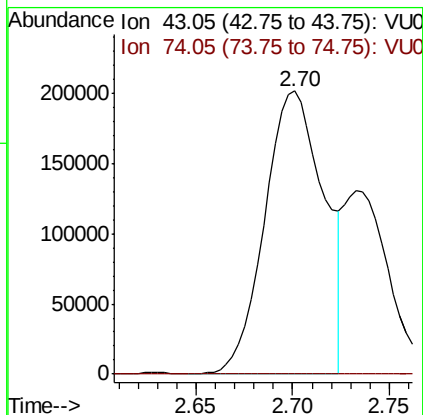
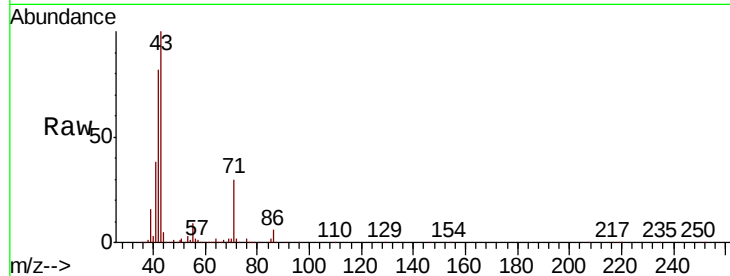




#15
Methyl Acetate
Concen: 71.367 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.07 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

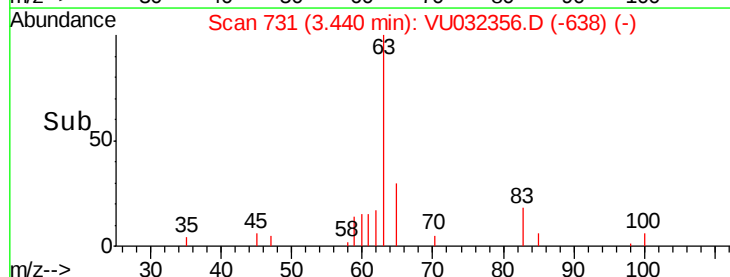
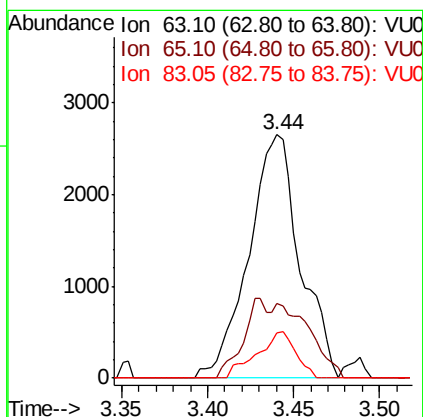
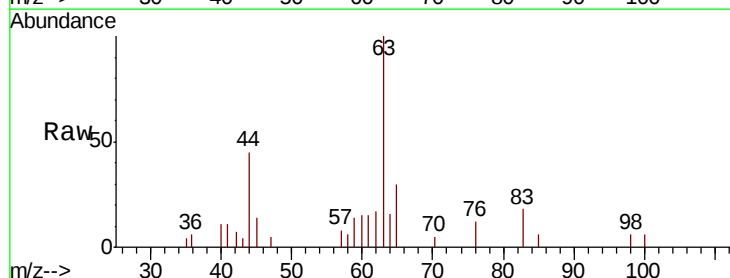
Instrument :
MSVOA_U
ClientSampleId :
C0C54

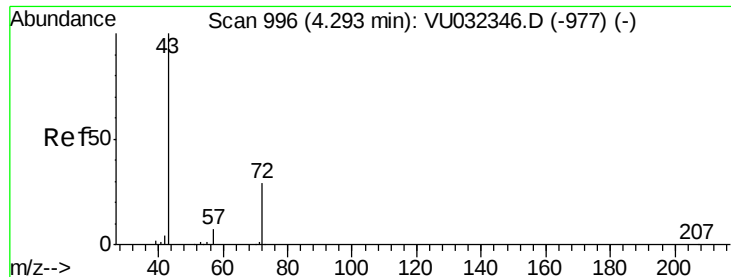
Tgt Ion: 43 Resp: 428903
Ion Ratio Lower Upper
43 100
74 0.0 27.3 40.9#



#19
1,1-Dichloroethane
Concen: 0.223 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion: 63 Resp: 5497
Ion Ratio Lower Upper
63 100
65 30.5 23.5 43.7
83 18.4 8.8 16.3#





#21

2-Butanone

Concen: 3.731 ug/L

RT: 4.21 min Scan# 970

Delta R.T. -0.08 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampled :

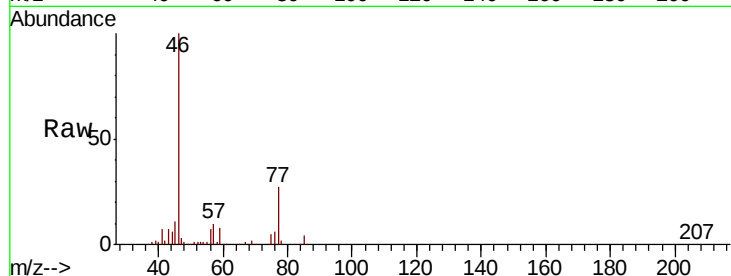
C0C54

Tgt Ion: 43 Resp: 11529

Ion Ratio Lower Upper

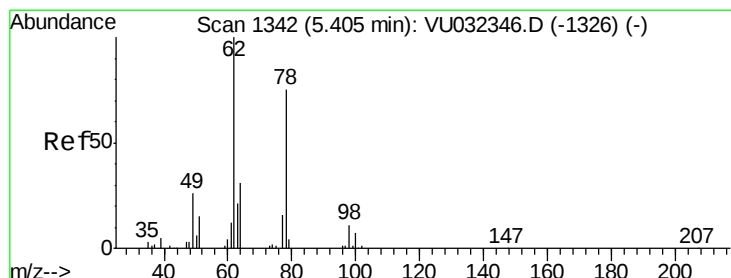
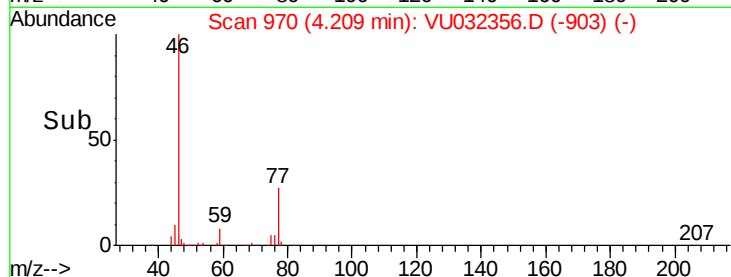
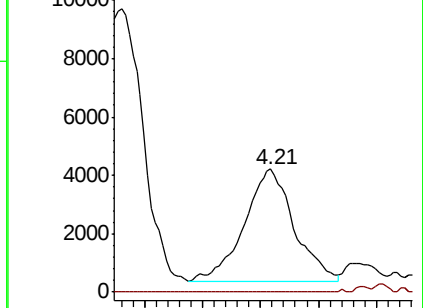
43 100

72 0.2 15.2 45.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032346.D (-977) (-)

Ion 72.10 (71.80 to 72.80): VU032346.D (-977) (-)



#27

1,2-Dichloroethane

Concen: 2.059 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU032356.D

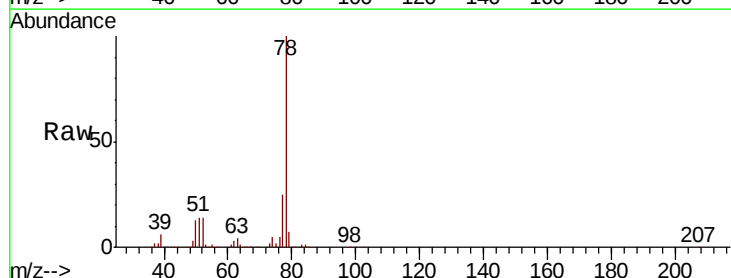
Acq: 29 May 2019 13:16

Tgt Ion: 62 Resp: 31859

Ion Ratio Lower Upper

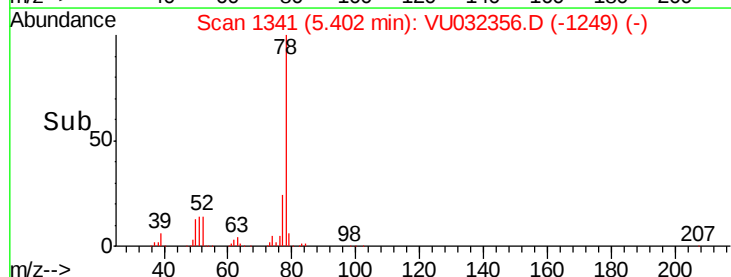
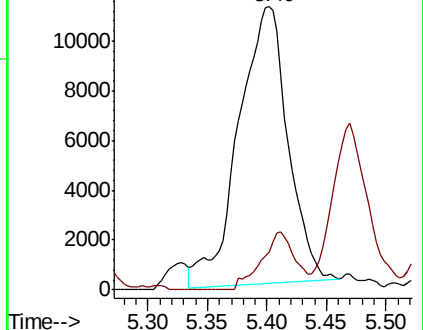
62 100

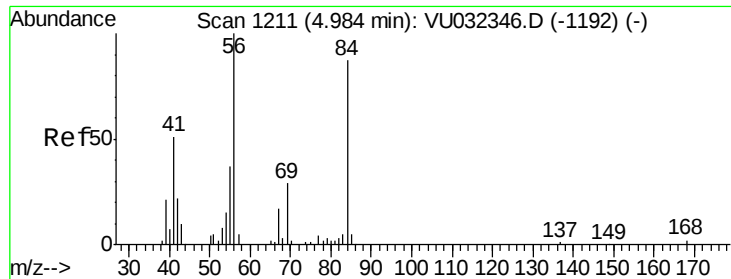
98 13.3 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU032346.D (-1326) (-)

Ion 98.05 (97.75 to 98.75): VU032346.D (-1326) (-)

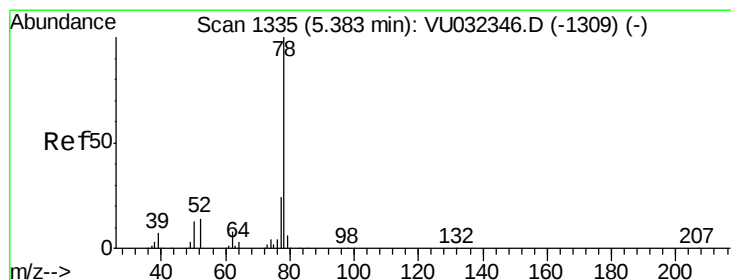
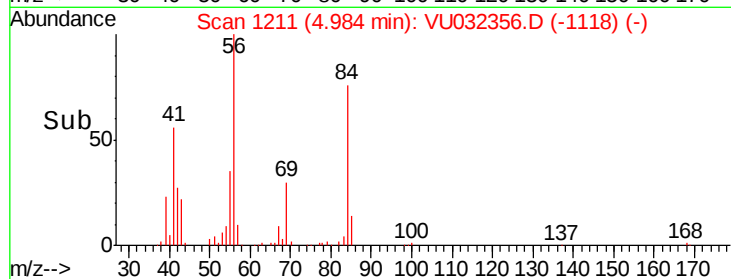
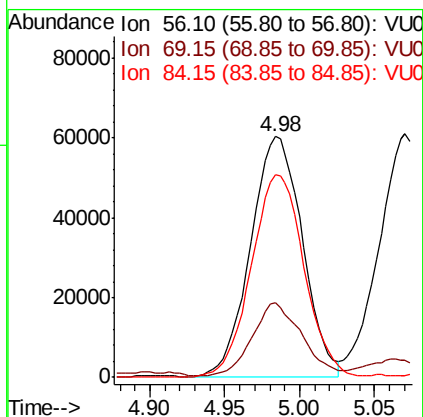
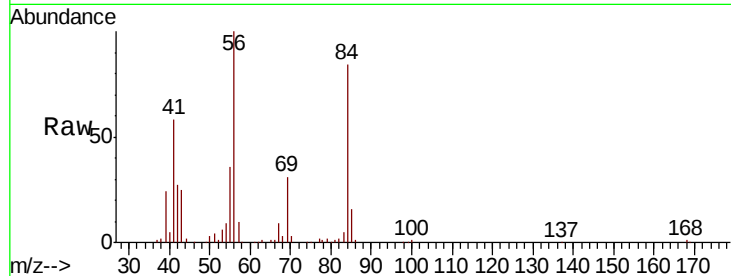




#30
Cyclohexane
Concen: 7.201 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

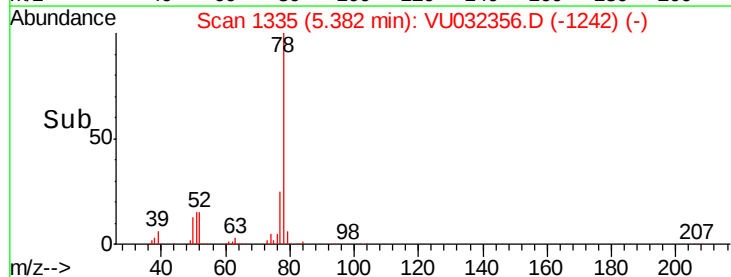
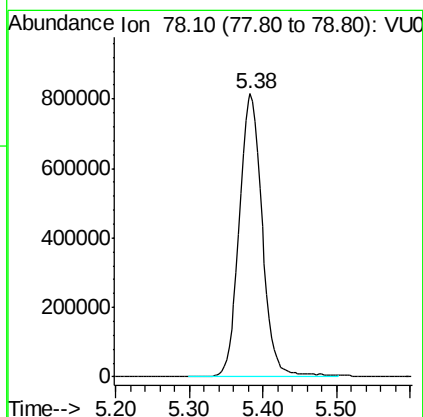
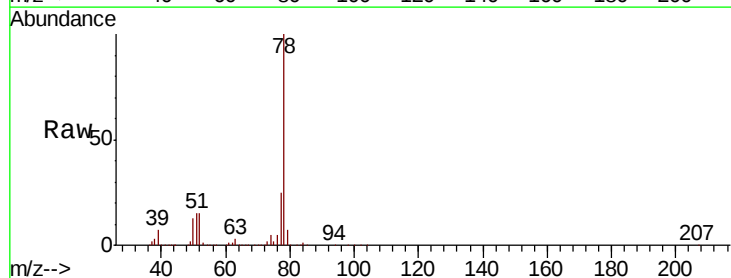
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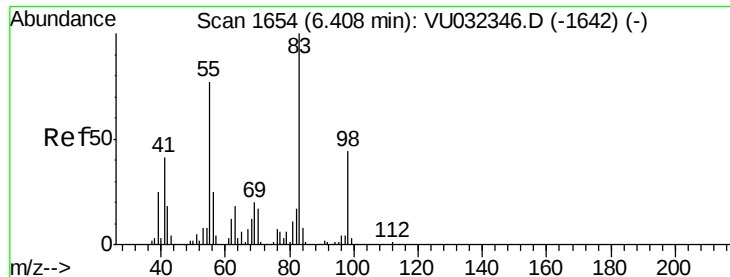
Tgt Ion: 56 Resp: 144461
Ion Ratio Lower Upper
56 100
69 29.1 26.6 39.8
84 86.3 75.0 112.6



#33
Benzene
Concen: 31.712 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion: 78 Resp: 1773577

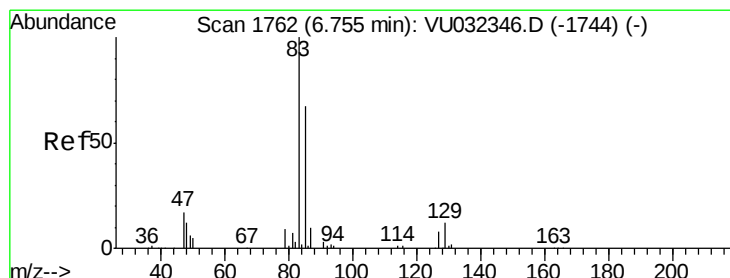
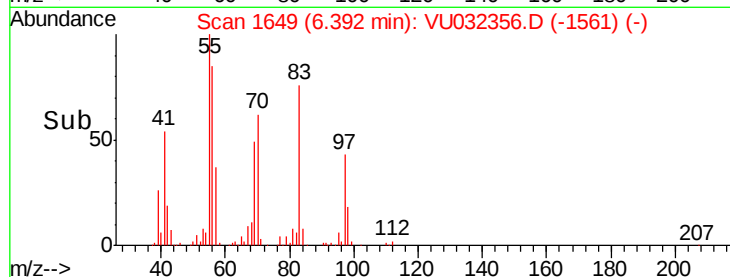
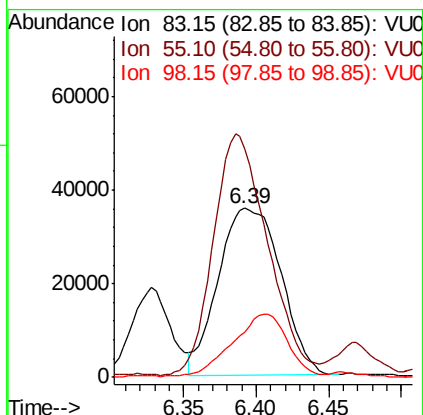
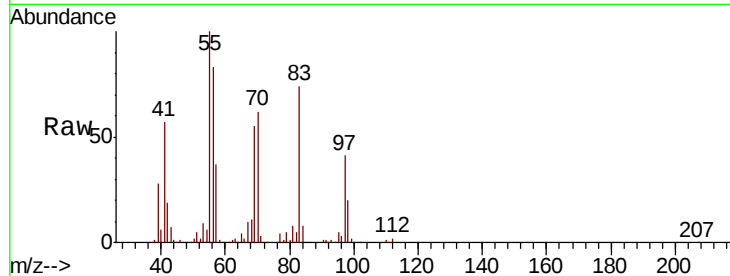




#35
Methylcyclohexane
Concen: 4.839 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.02 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

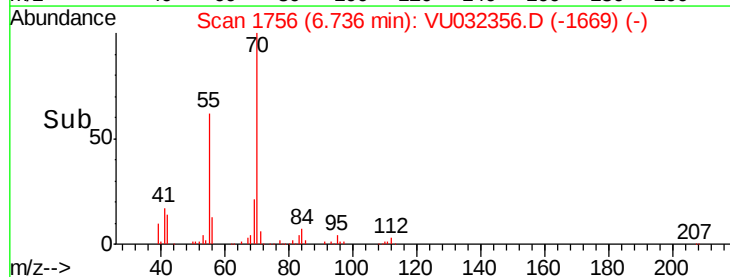
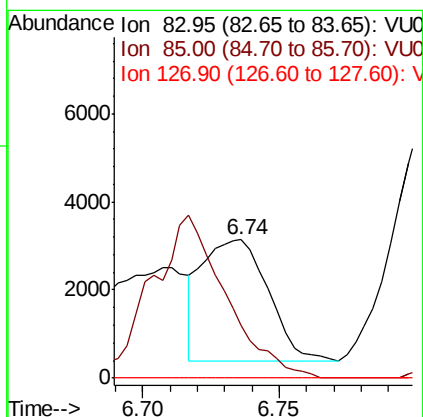
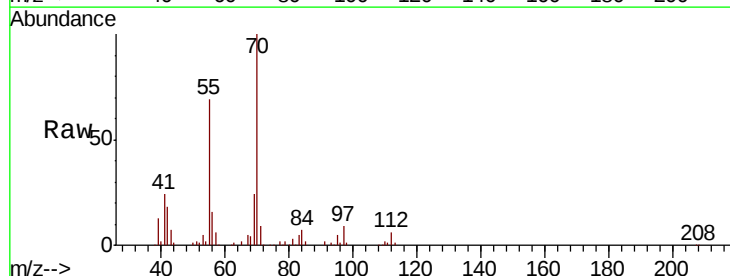
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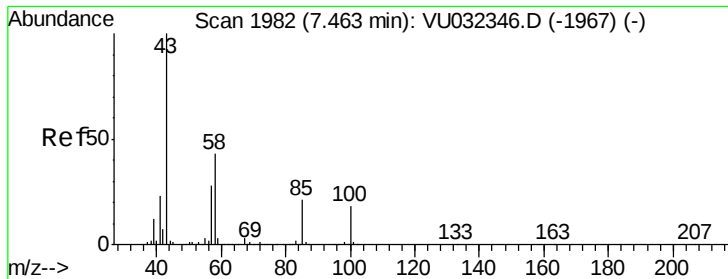
Tgt Ion: 83 Resp: 106990
Ion Ratio Lower Upper
83 100
55 125.1 59.7 89.5#
98 33.9 37.5 56.3#



#38
Bromodichloromethane
Concen: 0.261 ug/L
RT: 6.74 min Scan# 1756
Delta R.T. -0.02 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion: 83 Resp: 4574
Ion Ratio Lower Upper
83 100
85 38.4 44.4 82.4#
127 0.0 7.0 10.6#

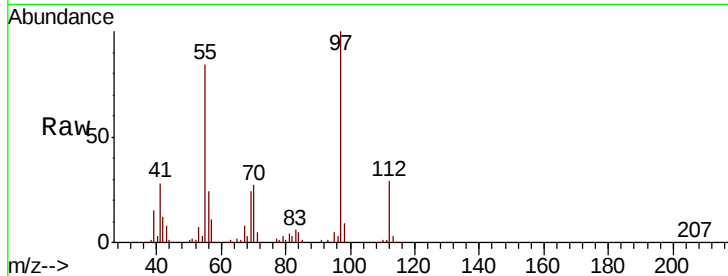




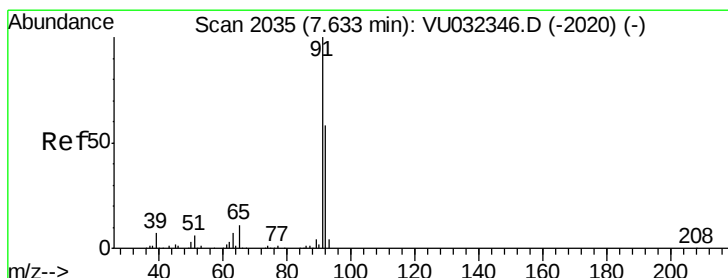
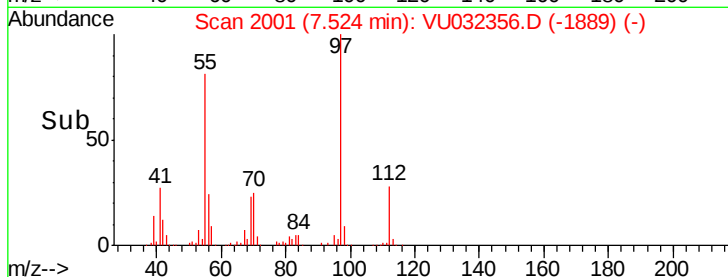
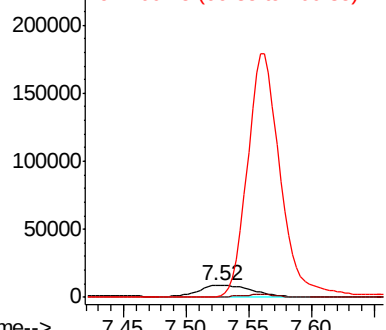
#40
 4-Methyl-2-pentanone
 Concen: 3.617 ug/L
 RT: 7.52 min Scan# 2001
 Delta R.T. 0.06 min
 Lab File: VU032356.D
 Acq: 29 May 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54

Tgt Ion: 43 Resp: 24620
 Ion Ratio Lower Upper
 43 100
 58 0.9 35.8 53.6#
 100 0.0 14.6 22.0#

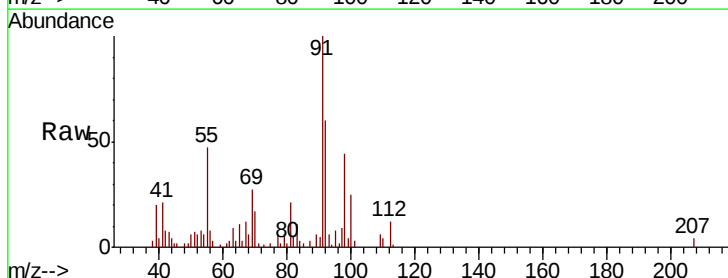


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

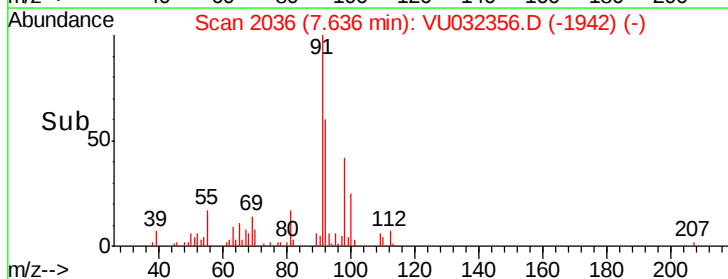
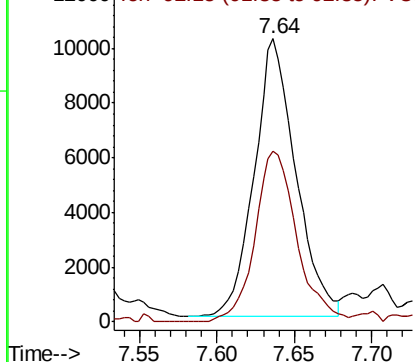


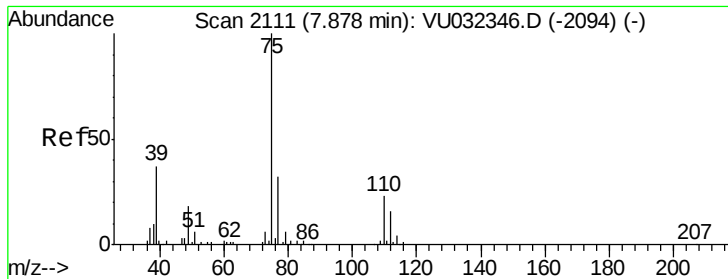
#42
 Toluene
 Concen: 0.319 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU032356.D
 Acq: 29 May 2019 13:16

Tgt Ion: 91 Resp: 18936
 Ion Ratio Lower Upper
 91 100
 92 60.4 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

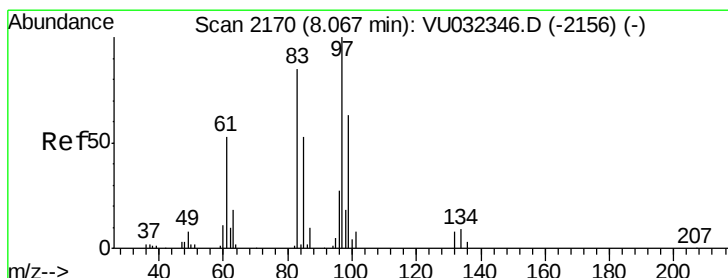
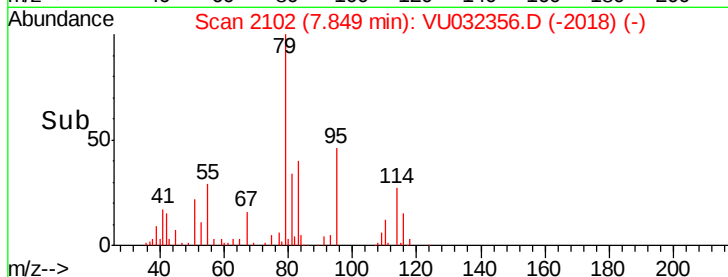
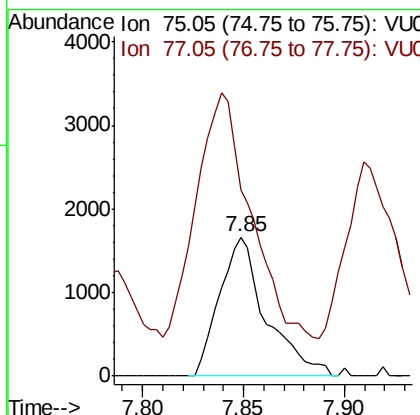
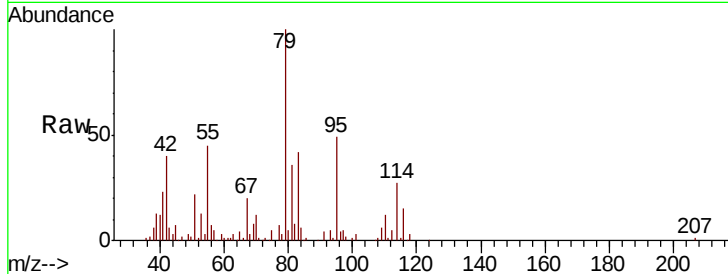




#44
trans-1,3-Dichloropropene
Concen: 0.177 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

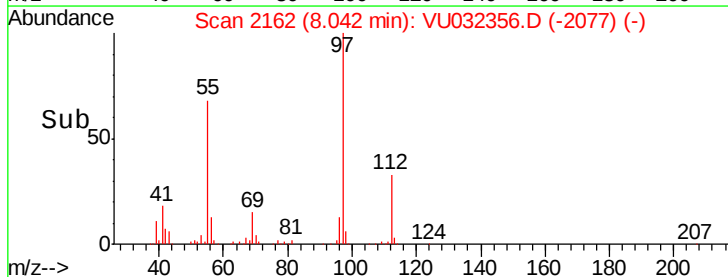
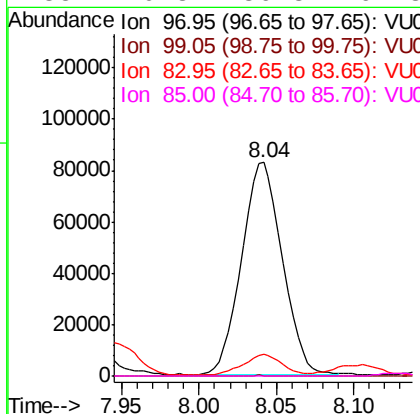
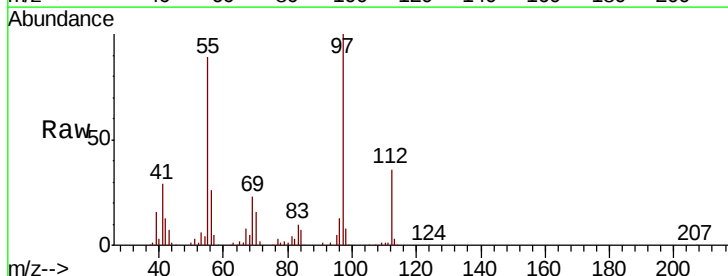
Instrument :
MSVOA_U
ClientSampleId :
C0C54

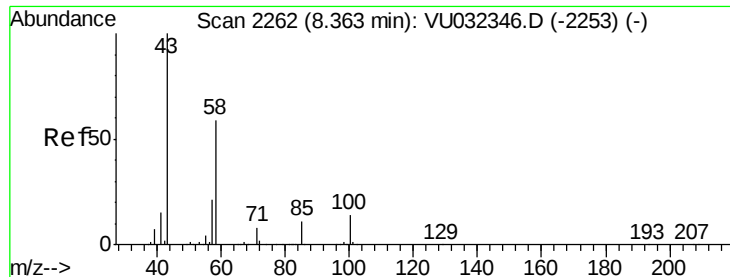
Tgt Ion: 75 Resp: 2669
Ion Ratio Lower Upper
75 100
77 133.9 22.5 41.9#



#45
1,1,2-Trichloroethane
Concen: 14.581 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. -0.03 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion: 97 Resp: 151610
Ion Ratio Lower Upper
97 100
99 0.3 44.2 82.0#
83 10.0 60.5 112.3#
85 0.3 36.3 67.3#

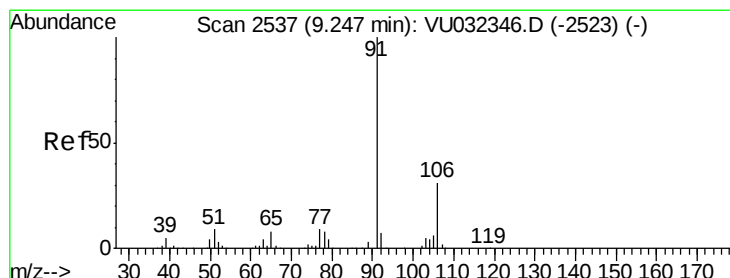
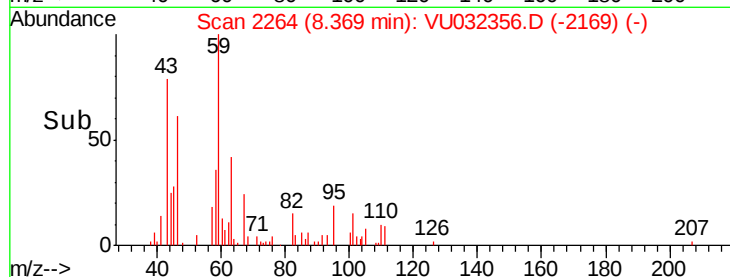
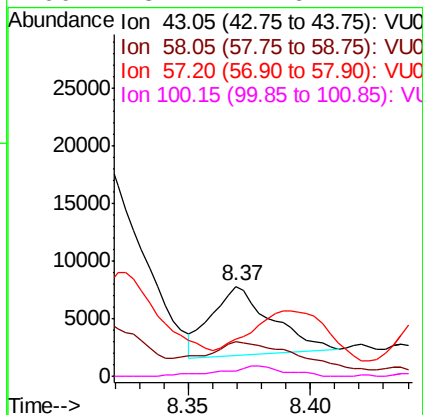
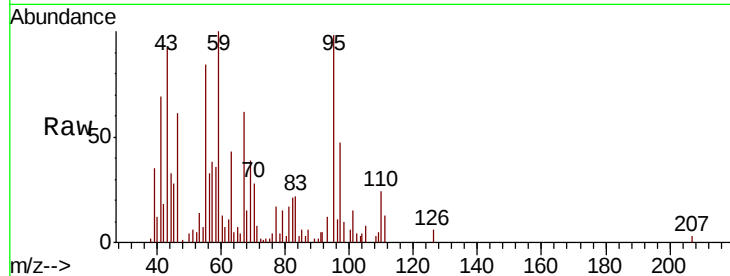




#48
2-Hexanone
Concen: 1.953 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

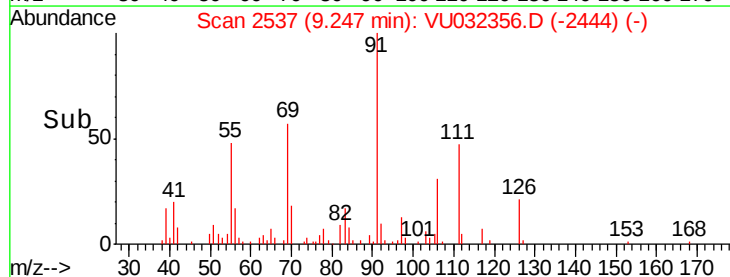
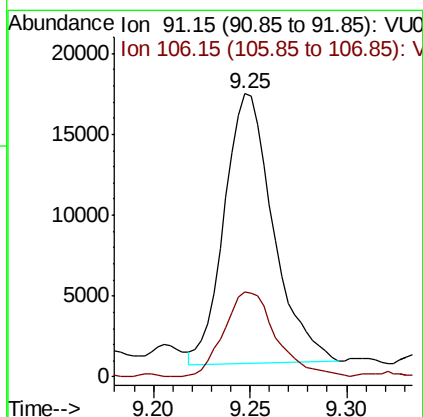
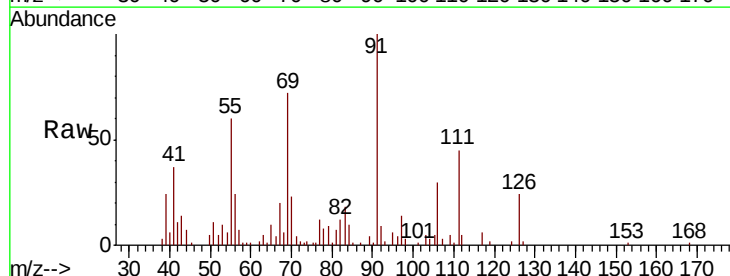
Instrument :
MSVOA_U
ClientSampleId :
C0C54

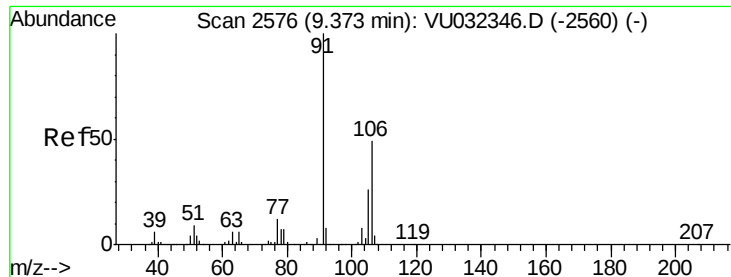
Tgt Ion: 43 Resp: 10194
Ion Ratio Lower Upper
43 100
58 74.3 49.7 74.5
57 95.1 17.1 25.7#
100 15.1 11.6 17.4



#52
Ethylbenzene
Concen: 0.492 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion: 91 Resp: 29423
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9





#53

m,p-Xylene

Concen: 0.471 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

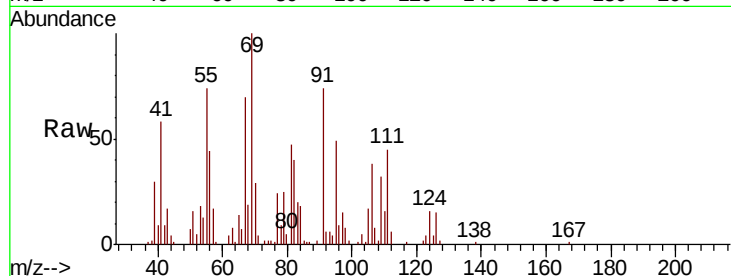
C0C54

Tgt Ion:106 Resp: 10469

Ion Ratio Lower Upper

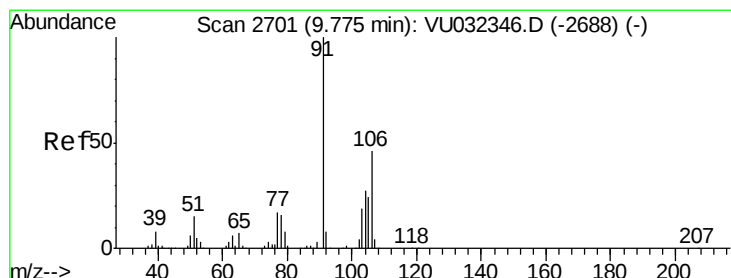
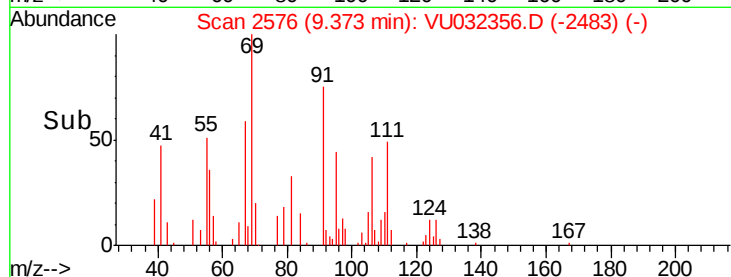
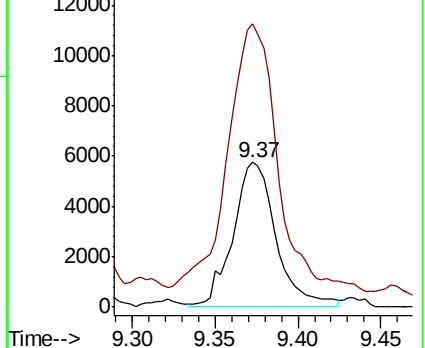
106 100

91 195.1 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.225 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032356.D

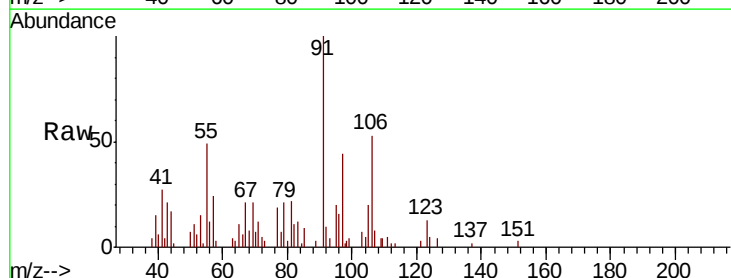
Acq: 29 May 2019 13:16

Tgt Ion:106 Resp: 5008

Ion Ratio Lower Upper

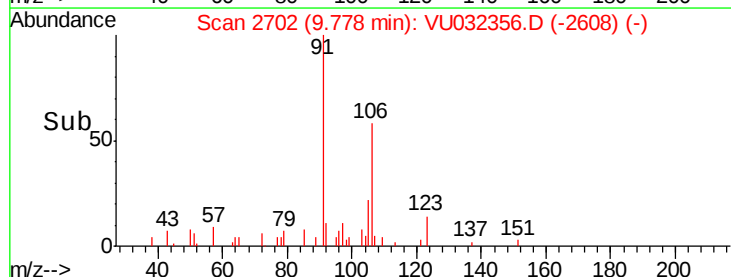
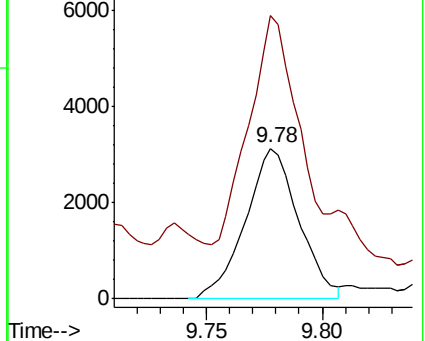
106 100

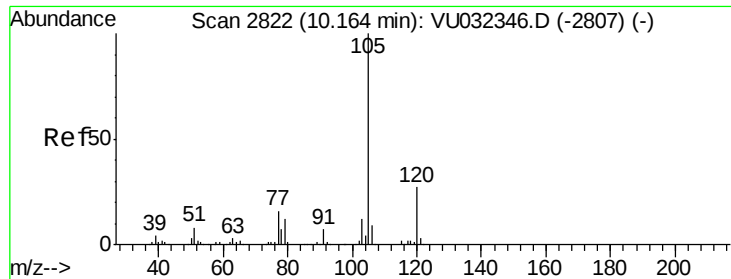
91 187.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

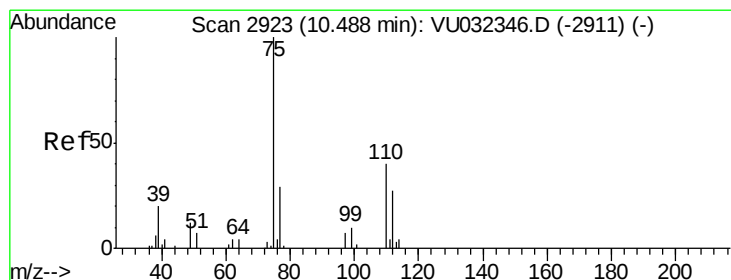
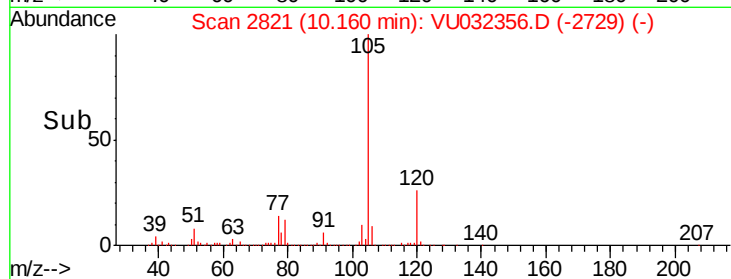
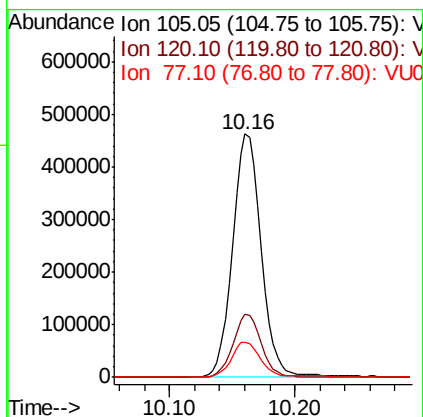
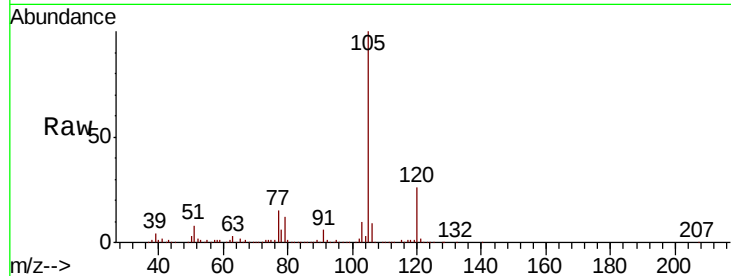




#56
Isopropylbenzene
Concen: 13.035 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

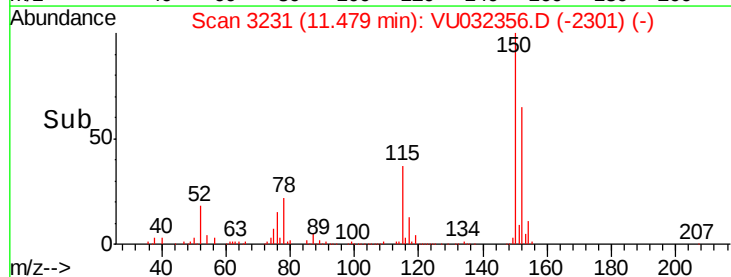
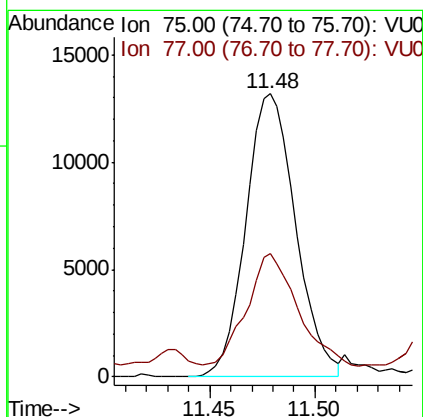
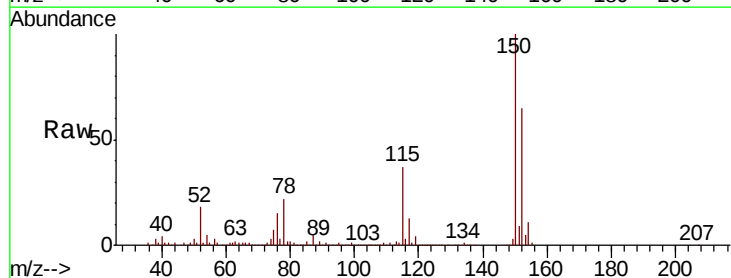
Instrument :
MSVOA_U
ClientSampleId :
C0C54

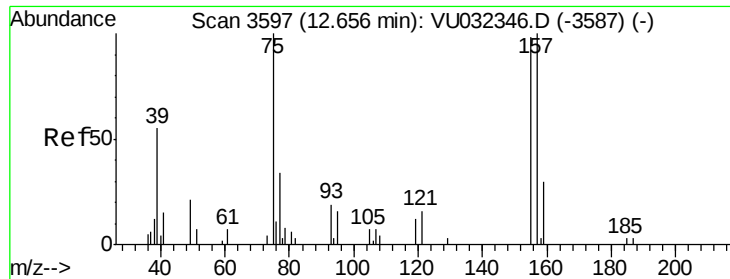
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.6
77	14.3	11.9	17.9



#59
1,2,3-Trichloropropane
Concen: 2.471 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032356.D
Acq: 29 May 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.1	28.2	42.4





#66

1,2-Dibromo-3-chloropropane

Concen: 2.924 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.01 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0C54

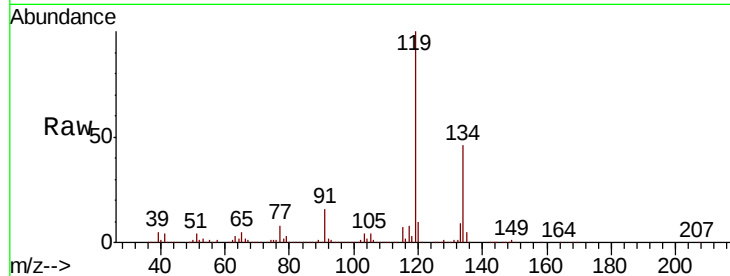
Tgt Ion: 75 Resp: 5765

Ion Ratio Lower Upper

75 100

155 0.0 69.3 103.9#

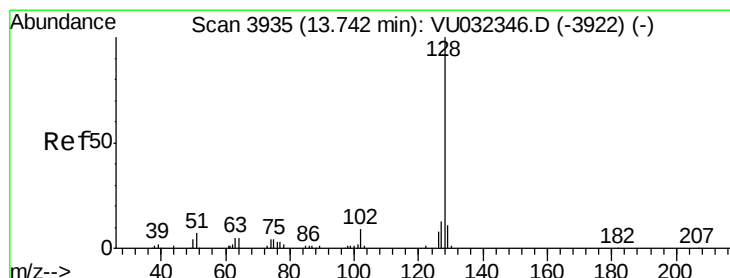
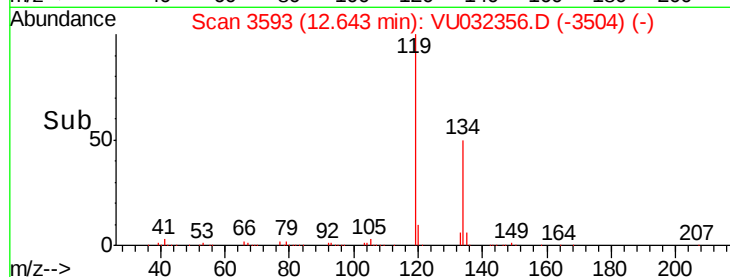
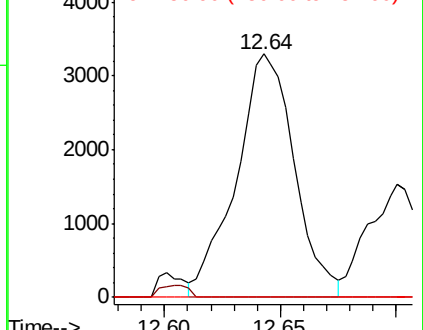
157 0.0 90.6 135.8#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



#69

Naphthalene

Concen: 2.867 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

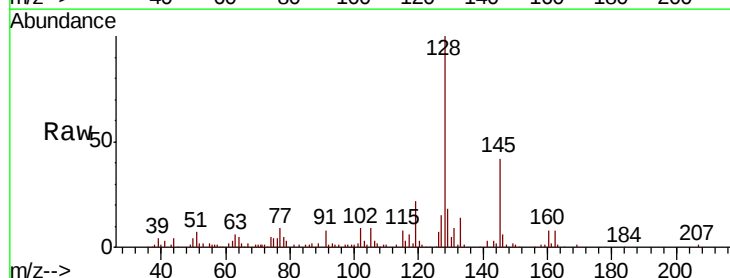
Tgt Ion: 128 Resp: 70832

Ion Ratio Lower Upper

128 100

129 25.0 9.2 13.8#

127 18.1 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

