

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032396.D
 Acq On : 03 Jun 2019 16:24
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

Quant Time: Jun 04 08:53:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	110175	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	104809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48836	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.68	69	60831	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.27	63	122087	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	4.19	46	121586	50.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.04%
24) Chloroform-d	4.64	84	76955	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.31	65	42209	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.33	84	146164	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.32	67	47287	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.56	98	137999	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.85	79	22802	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.31	63	101541	50.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40154	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	49169	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	93815	5.023	ug/L 100
3) Chloromethane	1.32	50	97201	4.978	ug/L 100
5) Vinyl chloride	1.40	62	103396	5.039	ug/L 100
6) Bromomethane	1.63	94	73657	4.839	ug/L 98
8) Chloroethane	1.69	64	102762	5.723	ug/L 98
9) Trichlorofluoromethane	1.88	101	145955	4.786	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	83320	5.131	ug/L 99
12) 1,1-Dichloroethene	2.28	96	77914	5.144	ug/L 100
13) Acetone	2.33	43	198336	49.334	ug/L 98
14) Carbon disulfide	2.47	76	256583	5.083	ug/L 99
15) Methyl Acetate	2.62	43	46419	4.817	ug/L 100
16) Methylene chloride	2.69	84	85308	4.844	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	243723	5.048	ug/L 100
18) trans-1,2-Dichloroethene	2.97	96	84878	5.092	ug/L 97
19) 1,1-Dichloroethane	3.43	63	143722	5.089	ug/L 98
21) 2-Butanone	4.28	43	261358	51.063	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	80671	4.963	ug/L 99

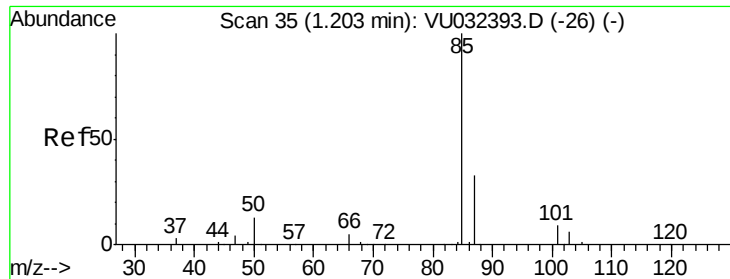
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33751	5.112	ug/L	97
25) Chloroform	4.67	83	143678	4.971	ug/L	99
27) 1,2-Dichloroethane	5.40	62	101788	5.056	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	129461	5.078	ug/L	99
30) Cyclohexane	4.98	56	137269	4.957	ug/L	98
31) Carbon tetrachloride	5.13	117	114048	5.076	ug/L	99
33) Benzene	5.38	78	312578	5.107	ug/L	100
34) Trichloroethene	6.18	95	83788	5.048	ug/L	98
35) Methylcyclohexane	6.41	83	139837	5.050	ug/L	99
37) 1,2-Dichloropropane	6.43	63	85065	5.105	ug/L	99
38) Bromodichloromethane	6.75	83	110615	5.049	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	134653	5.114	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	638635	50.863	ug/L	100
42) Toluene	7.63	91	337328	5.114	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	109764	5.104	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	57283	4.994	ug/L	98
47) Tetrachloroethene	8.22	164	58764	5.064	ug/L	98
48) 2-Hexanone	8.36	43	464620	50.595	ug/L	99
49) Dibromochloromethane	8.47	129	72364	5.013	ug/L	95
50) 1,2-Dibromoethane	8.58	107	58413	5.004	ug/L	98
51) Chlorobenzene	9.11	112	207799	5.001	ug/L	100
52) Ethylbenzene	9.24	91	383006	5.060	ug/L	100
53) m,p-Xylene	9.37	106	141578	5.097	ug/L	99
54) o-Xylene	9.77	106	140660	5.120	ug/L	100
55) Styrene	9.79	104	238310	5.144	ug/L	98
56) Isopropylbenzene	10.16	105	371041	5.064	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	76629	4.899	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	54766	5.057	ug/L	100
61) Bromoform	9.95	173	41682	5.045	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	161500	5.160	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	161250	5.113	ug/L	96
65) 1,2-Dichlorobenzene	11.87	146	154426	5.162	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	14809	5.214	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	126757	5.240	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	112941	5.491	ug/L	99
69) Naphthalene	13.74	128	230421	5.700	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	107943	5.527	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.023 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

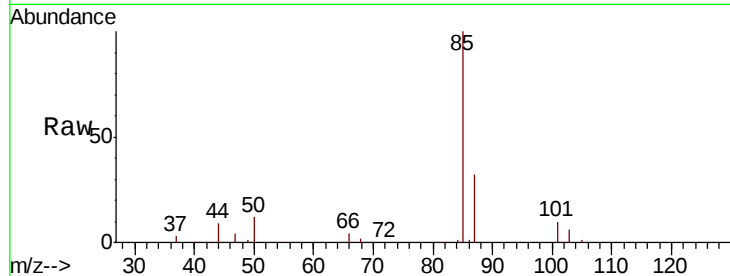
VICV13

Tgt Ion: 85 Resp: 93815

Ion Ratio Lower Upper

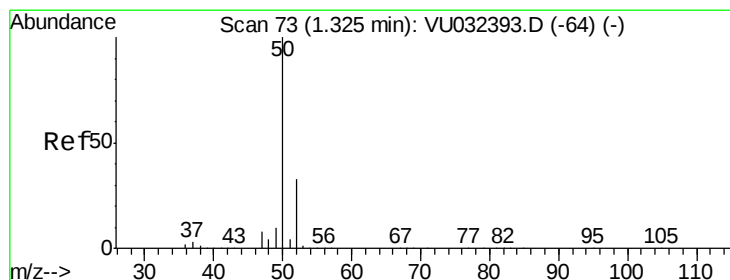
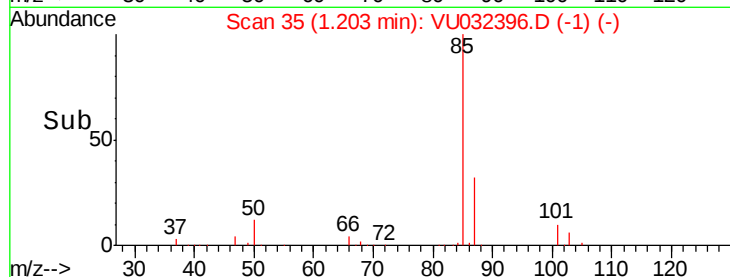
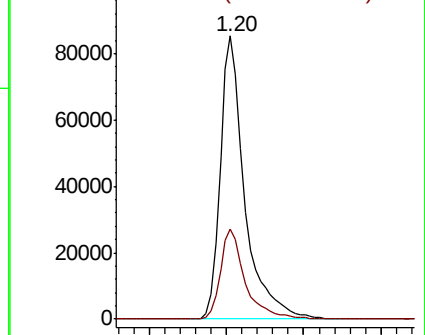
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032396.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU032396.D (-26) (-)



#3

Chloromethane

Concen: 4.978 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032396.D

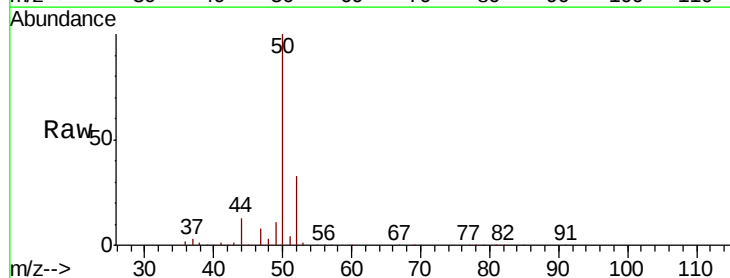
Acq: 03 Jun 2019 16:24

Tgt Ion: 50 Resp: 97201

Ion Ratio Lower Upper

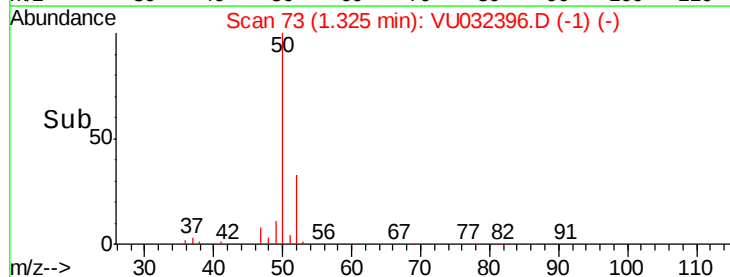
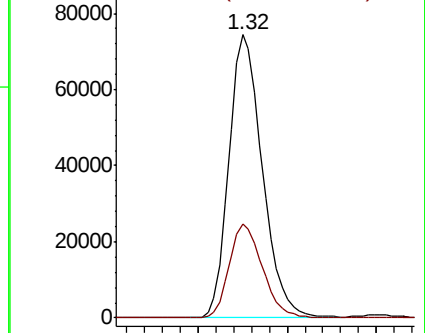
50 100

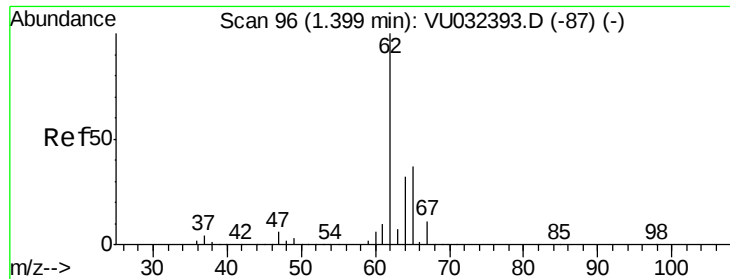
52 33.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU032396.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032396.D (-64) (-)





#5

Vinyl chloride

Concen: 5.039 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

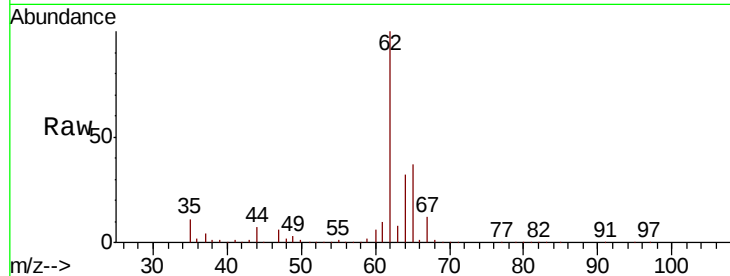
VICV13

Tgt Ion: 62 Resp: 103396

Ion Ratio Lower Upper

62 100

64 32.1 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032393.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032393.D (-87) (-)

1.40

100000

80000

60000

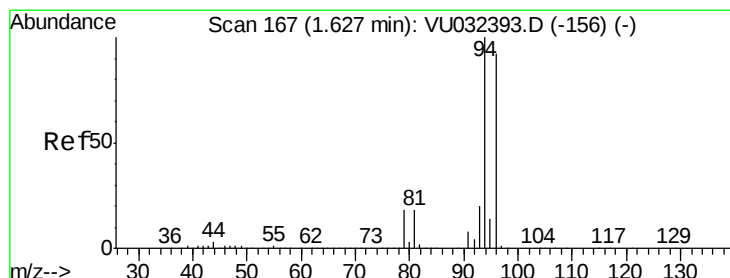
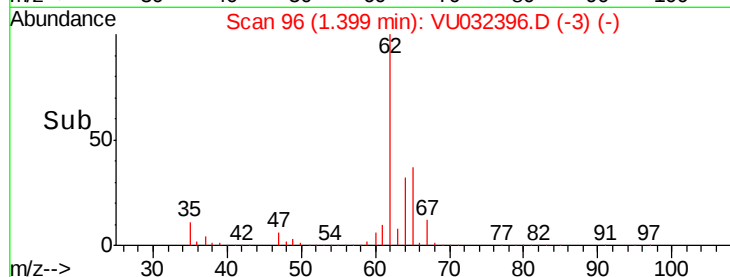
40000

20000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 4.839 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032396.D

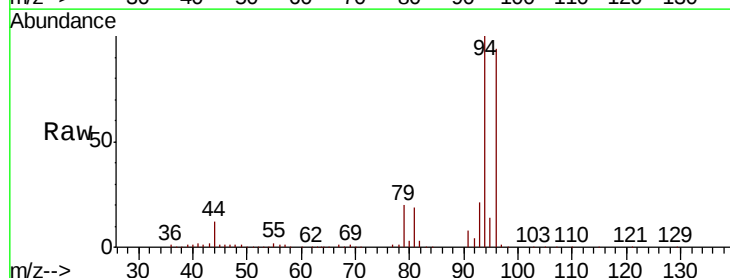
Acq: 03 Jun 2019 16:24

Tgt Ion: 94 Resp: 73657

Ion Ratio Lower Upper

94 100

96 93.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032393.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032393.D (-156) (-)

1.63

60000

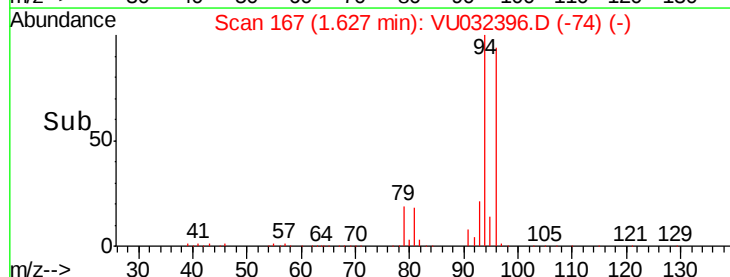
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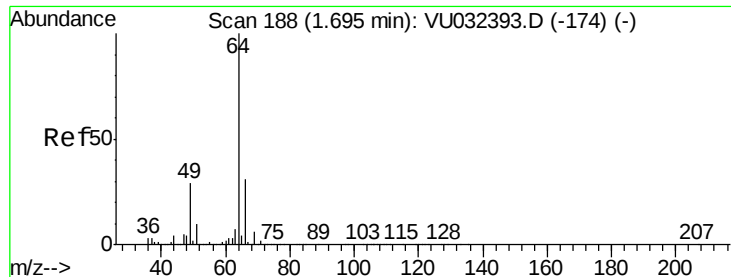
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0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 5.723 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

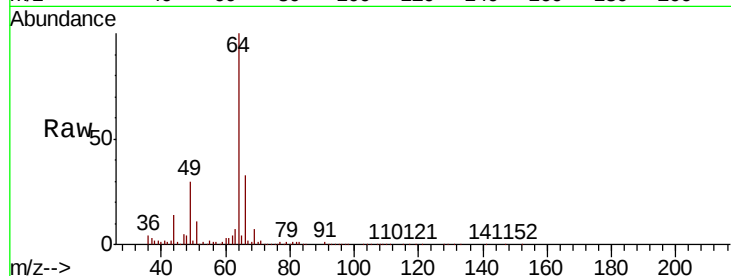
VICV13

Tgt Ion: 64 Resp: 102762

Ion Ratio Lower Upper

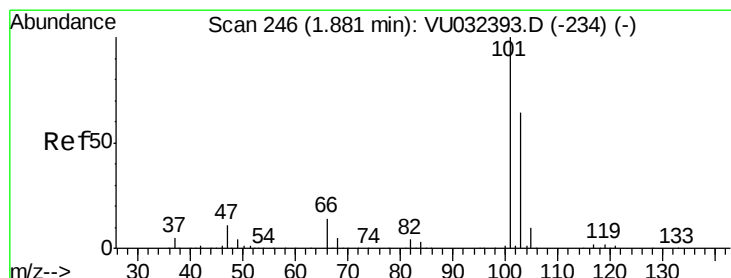
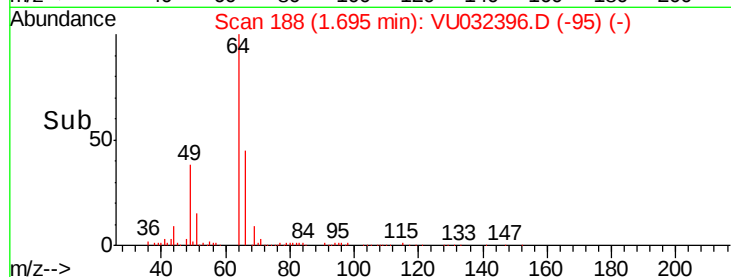
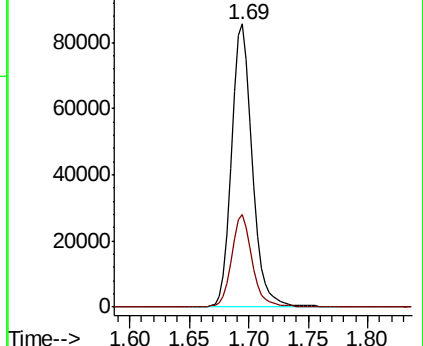
64 100

66 32.5 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU032396.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU032396.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 4.786 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032396.D

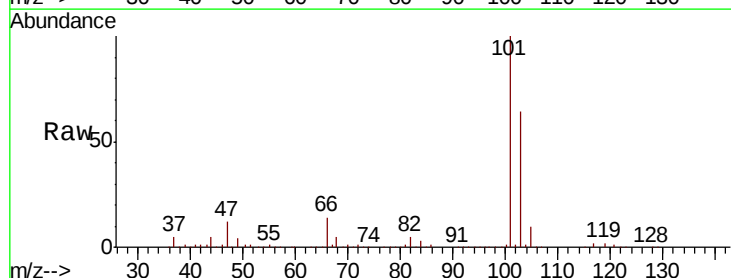
Acq: 03 Jun 2019 16:24

Tgt Ion: 101 Resp: 145955

Ion Ratio Lower Upper

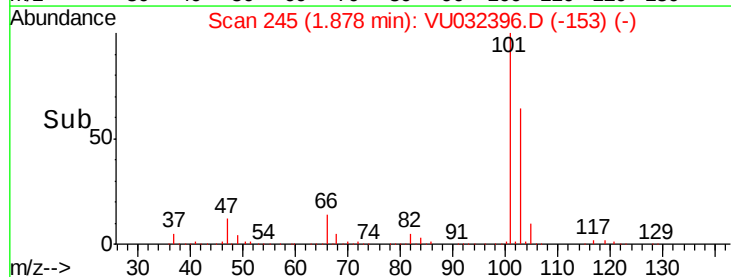
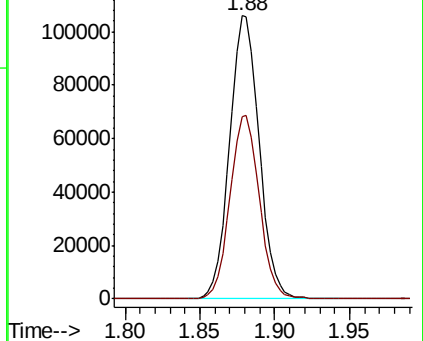
101 100

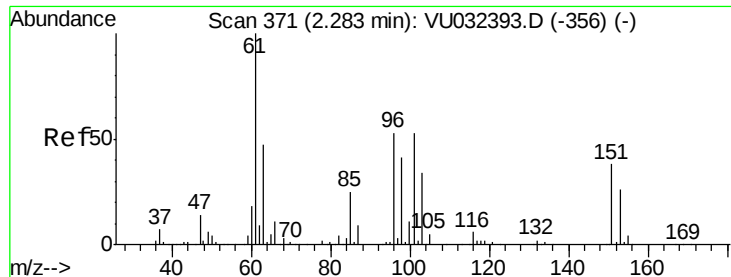
103 64.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032396.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032396.D (-234) (-)





#10

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

Concen: 5.131 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

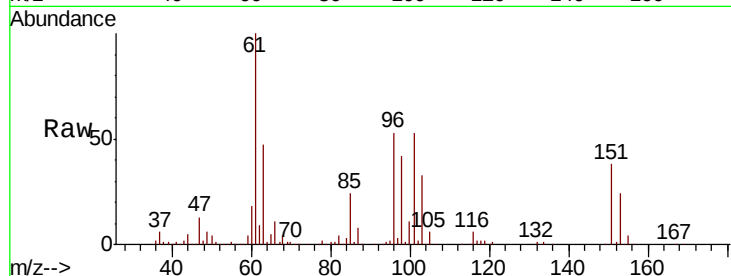
Tgt Ion: 101 Resp: 83320

Ion Ratio Lower Upper

101 100

85 47.3 38.0 57.0

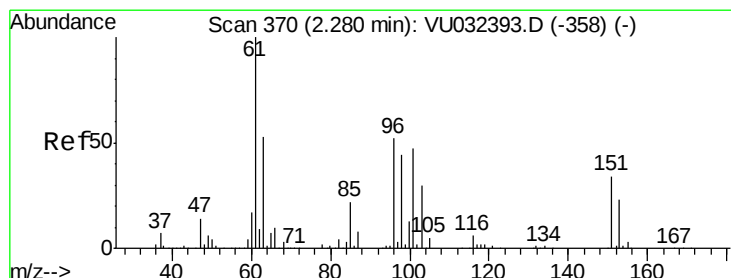
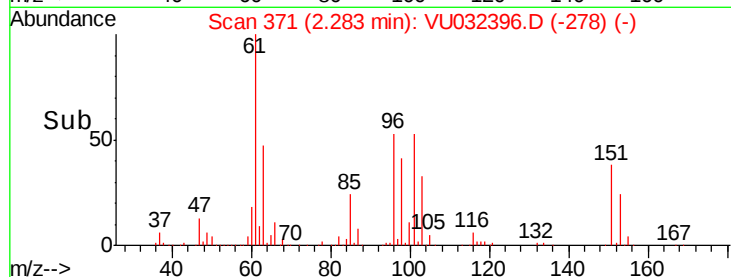
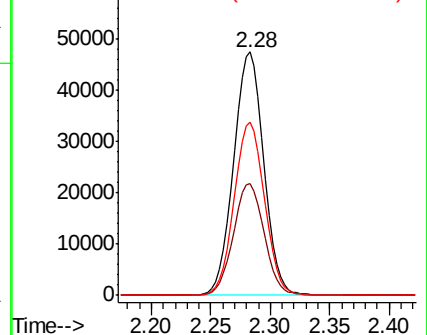
151 71.6 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.144 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

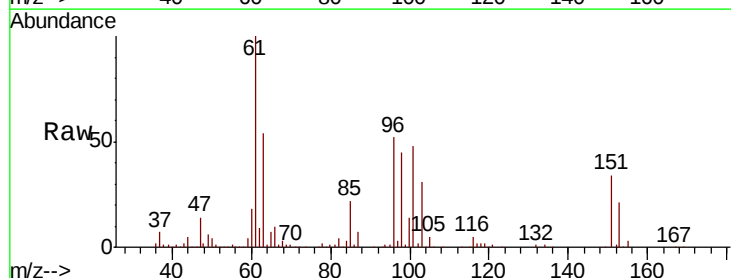
Tgt Ion: 96 Resp: 77914

Ion Ratio Lower Upper

96 100

61 190.9 133.6 248.0

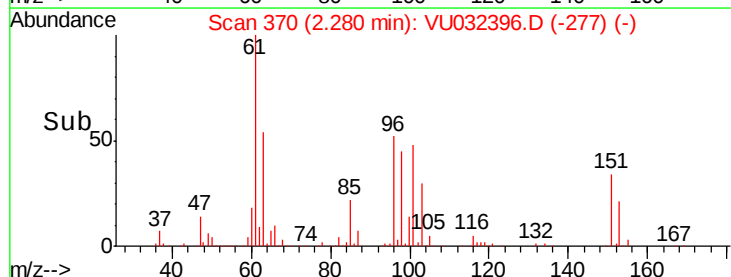
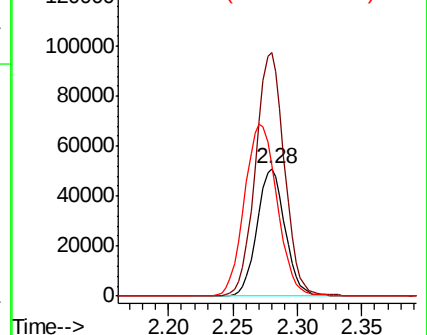
63 103.1 72.4 134.4

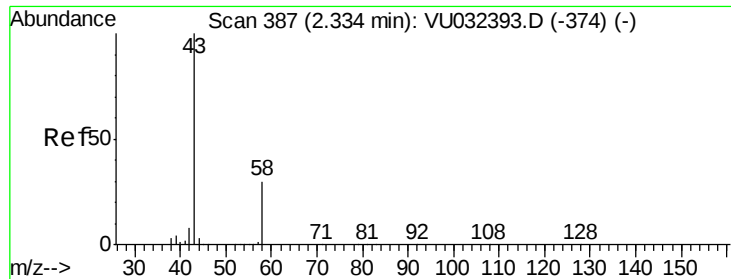


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.334 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampled :

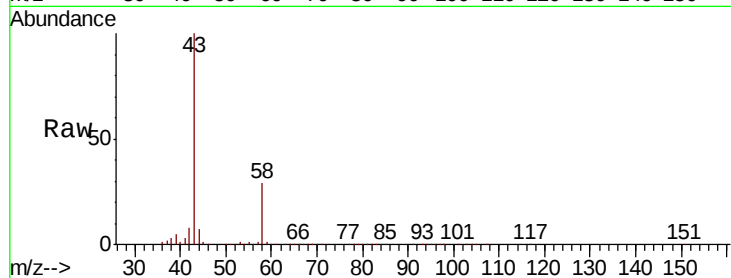
VICV13

Tgt Ion: 43 Resp: 198336

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032393.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032393.D (-374) (-)

2.33

100000

80000

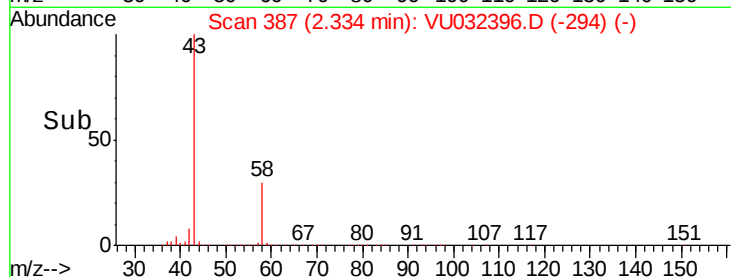
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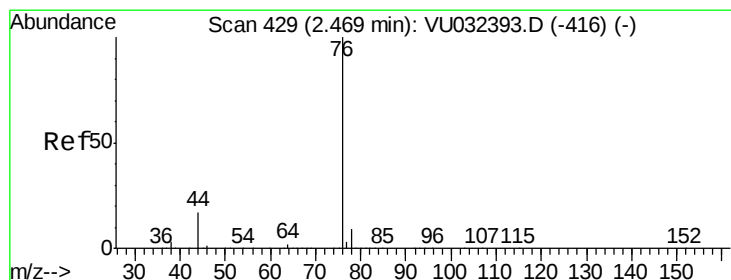
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Time-->



Time-->



#14

Carbon disulfide

Concen: 5.083 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032396.D

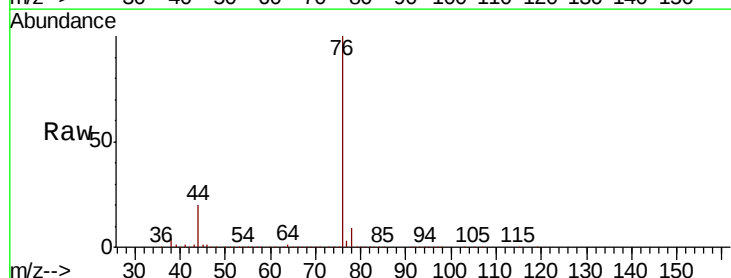
Acq: 03 Jun 2019 16:24

Tgt Ion: 76 Resp: 256583

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU032393.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032393.D (-416) (-)

2.47

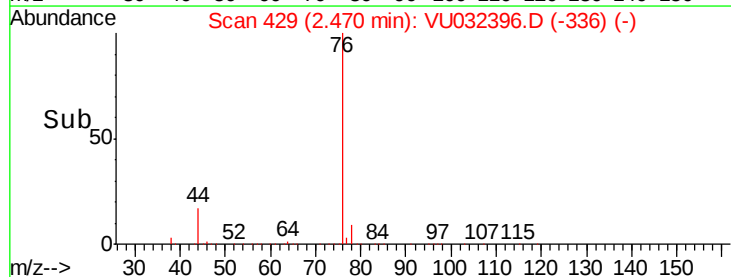
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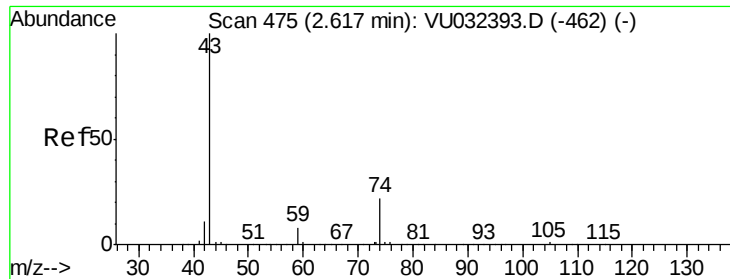
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Time-->



Time-->



#15

Methyl Acetate

Concen: 4.817 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

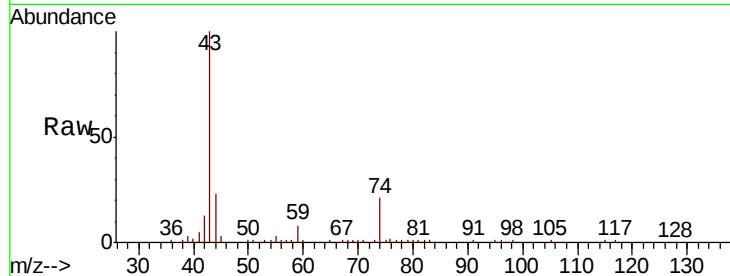
VICV13

Tgt Ion: 43 Resp: 46419

Ion Ratio Lower Upper

43 100

74 22.1 17.7 26.5



Abundance Ion 43.05 (42.75 to 43.75): VU032396.D (-382) (-)

Ion 74.05 (73.75 to 74.75): VU032396.D (-382) (-)

2.62

Time-->

2.55 2.60 2.65 2.70

25000

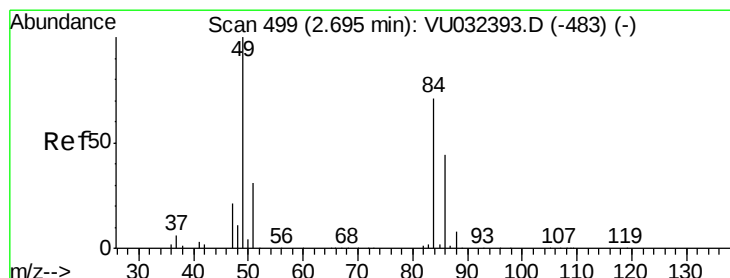
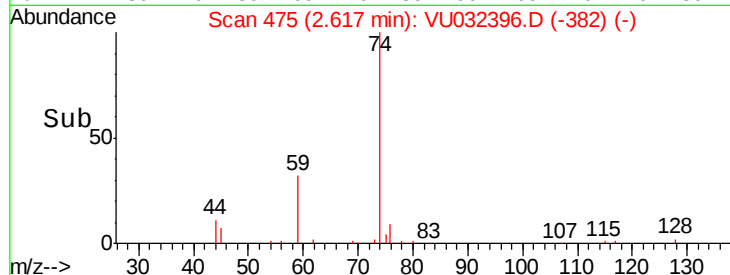
20000

15000

10000

5000

0



#16

Methylene chloride

Concen: 4.844 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

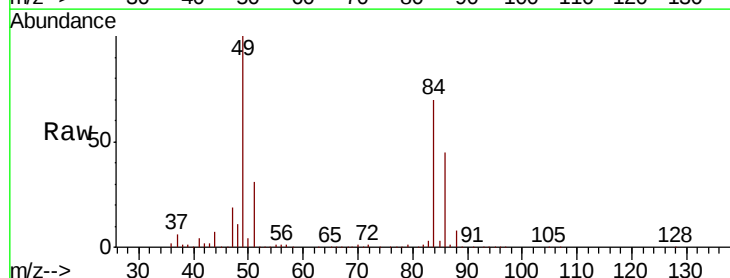
Tgt Ion: 84 Resp: 85308

Ion Ratio Lower Upper

84 100

86 64.1 43.8 81.4

49 143.7 98.8 183.6



Abundance Ion 84.05 (83.75 to 84.75): VU032396.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032396.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032396.D (-406) (-)

2.69

Time-->

2.60 2.65 2.70 2.75 2.80

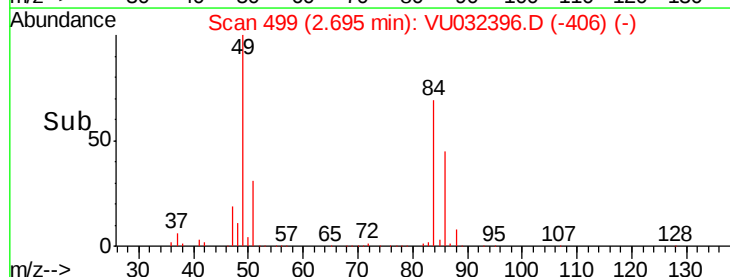
80000

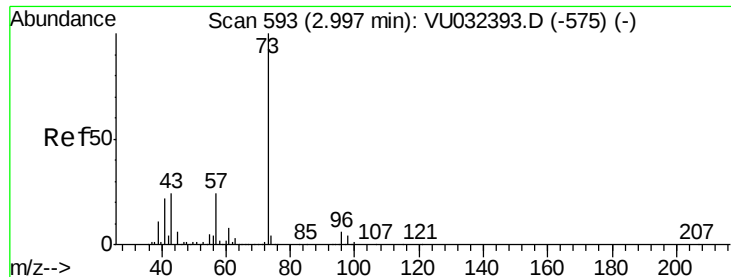
60000

40000

20000

0





#17

Methyl tert-butyl Ether

Concen: 5.048 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

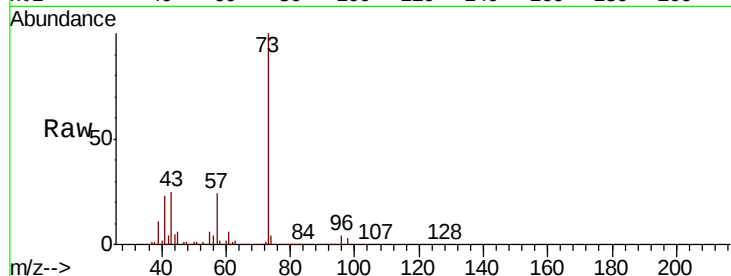
Tgt Ion: 73 Resp: 243723

Ion Ratio Lower Upper

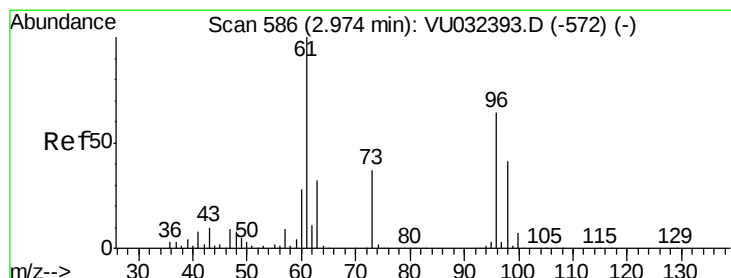
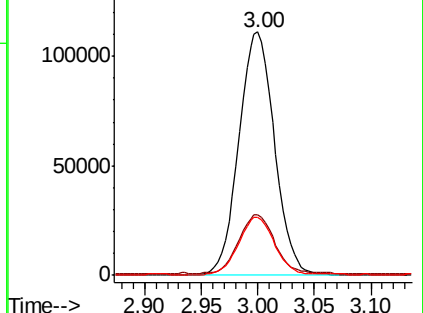
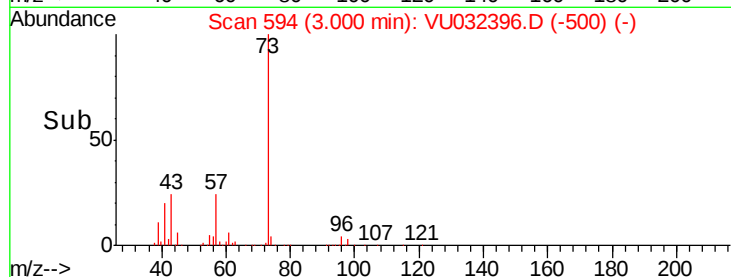
73 100

43 23.9 19.0 28.4

57 23.3 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

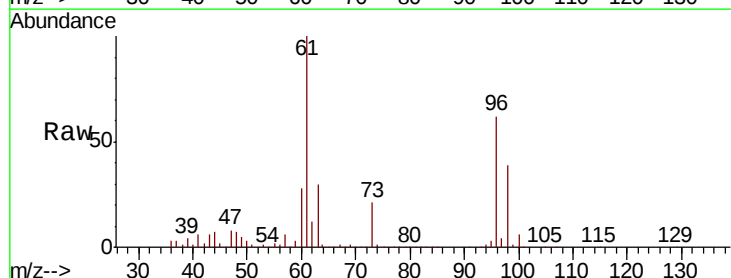
Tgt Ion: 96 Resp: 84878

Ion Ratio Lower Upper

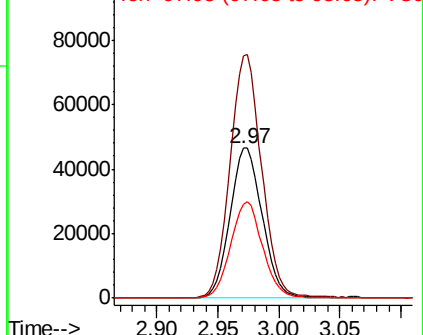
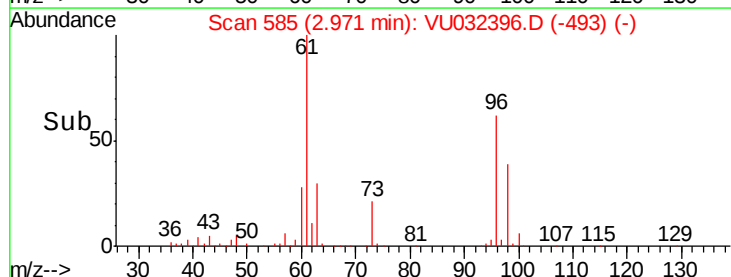
96 100

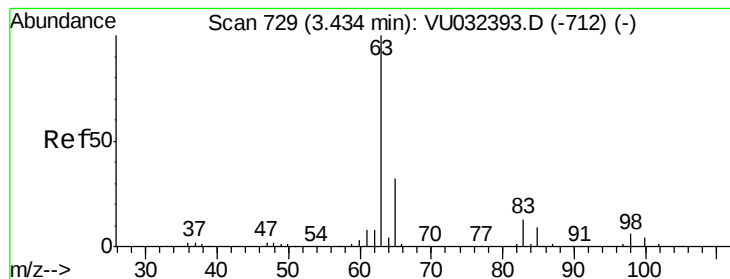
61 161.4 109.1 202.7

98 62.8 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.089 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

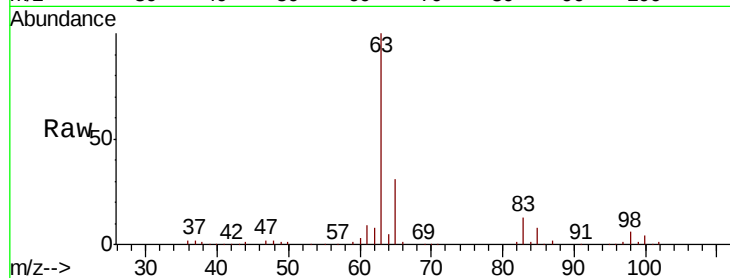
Tgt Ion: 63 Resp: 143722

Ion Ratio Lower Upper

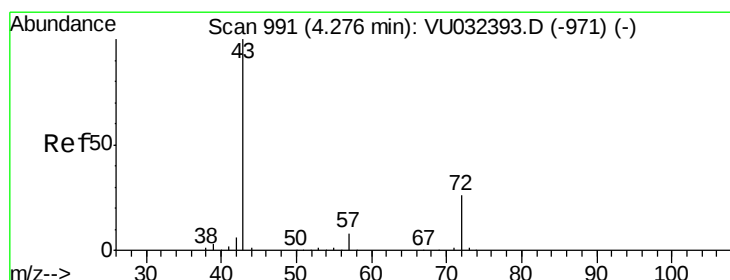
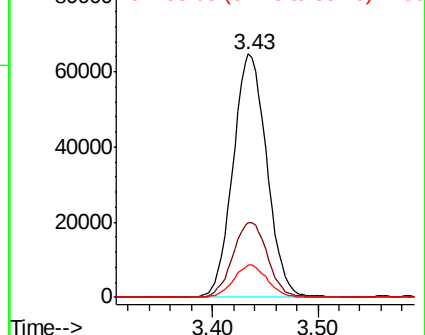
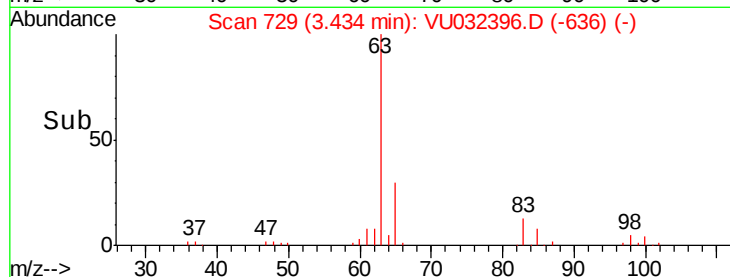
63 100

65 30.6 22.5 41.7

83 13.2 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU032396.D (-636) (-)



#21

2-Butanone

Concen: 51.063 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU032396.D

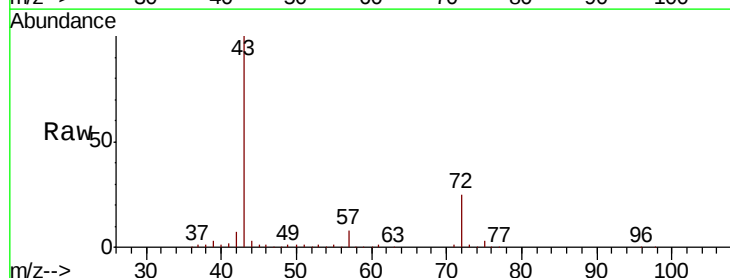
Acq: 03 Jun 2019 16:24

Tgt Ion: 43 Resp: 261358

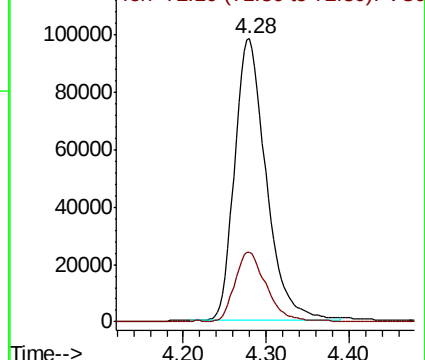
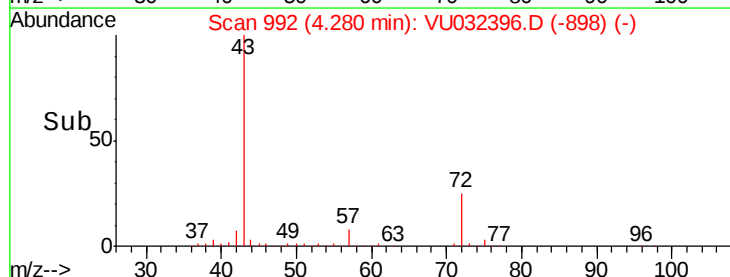
Ion Ratio Lower Upper

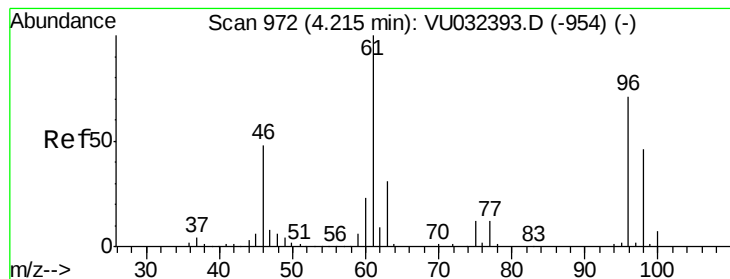
43 100

72 24.2 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VU032396.D (-898) (-)



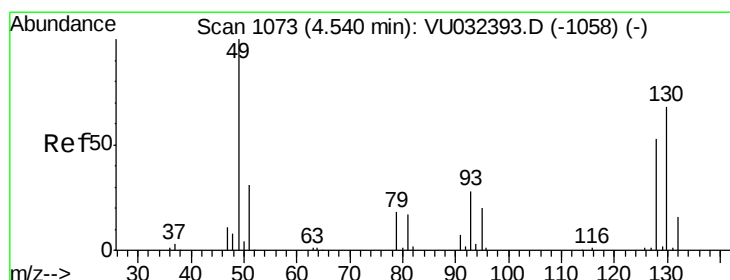
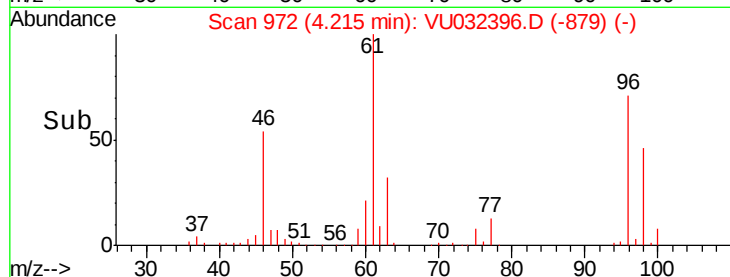
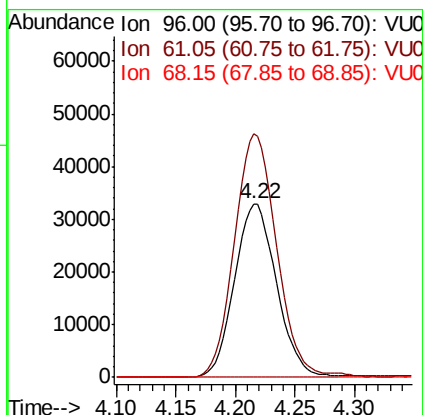
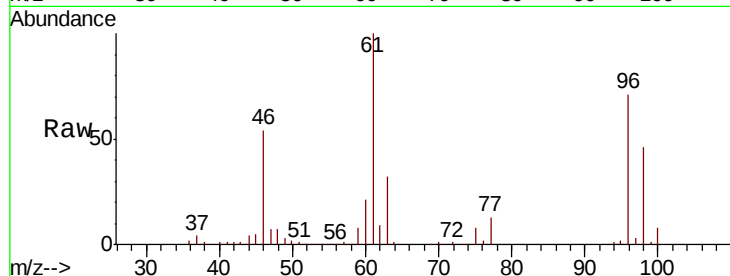


#22

cis-1,2-Dichloroethene
Concen: 4.963 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
VICV13

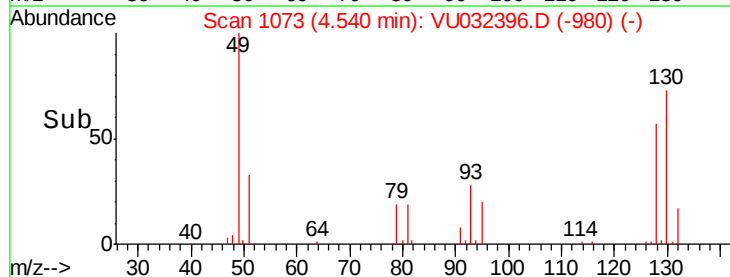
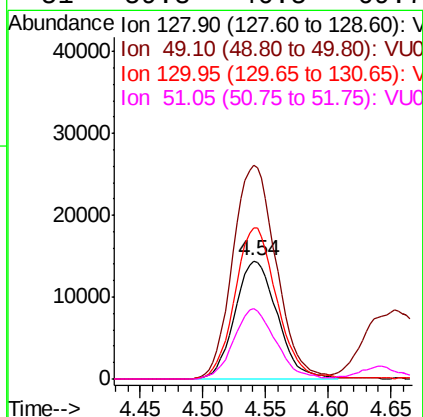
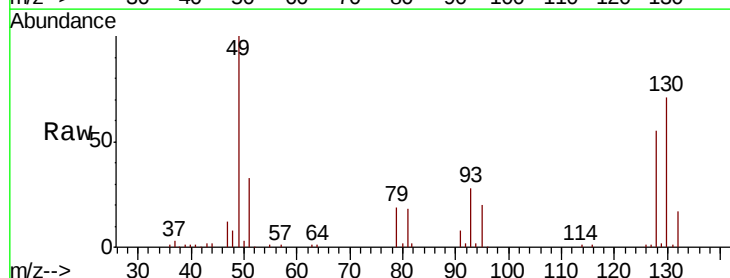
Tgt Ion: 96 Resp: 80671
Ion Ratio Lower Upper
96 100
61 140.1 99.0 183.8
68 0.0 0.0 0.0

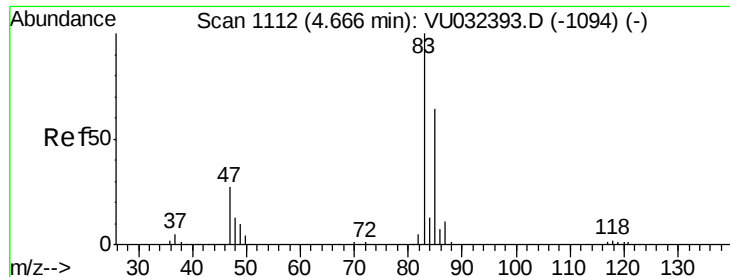


#23

Bromochloromethane
Concen: 5.112 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Tgt Ion: 128 Resp: 33751
Ion Ratio Lower Upper
128 100
49 181.0 131.5 244.3
130 128.4 89.7 166.7
51 59.8 46.5 69.7

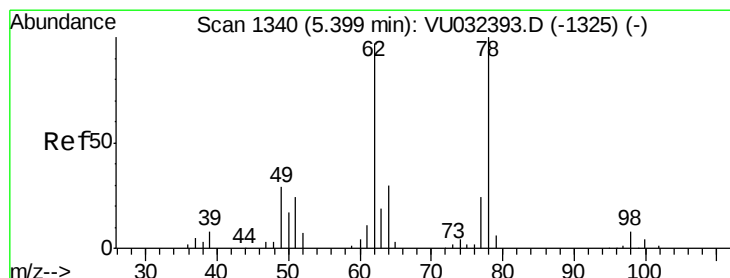
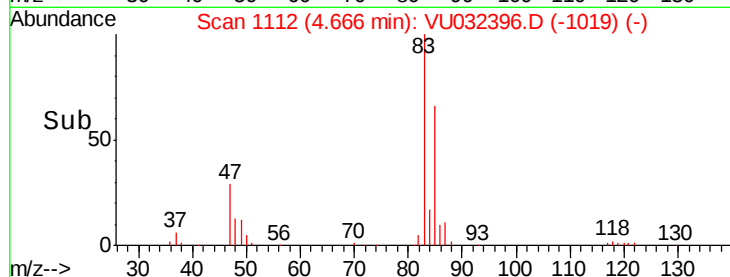
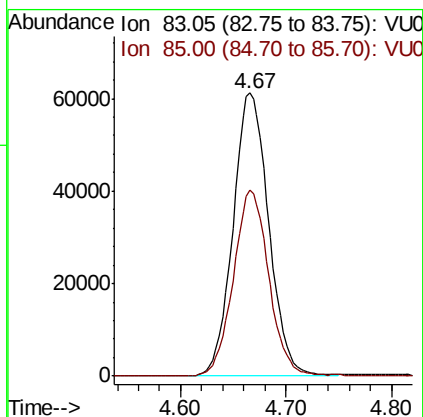
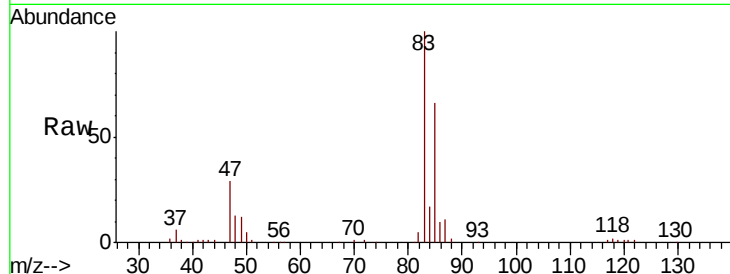




#25
Chloroform
Concen: 4.971 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

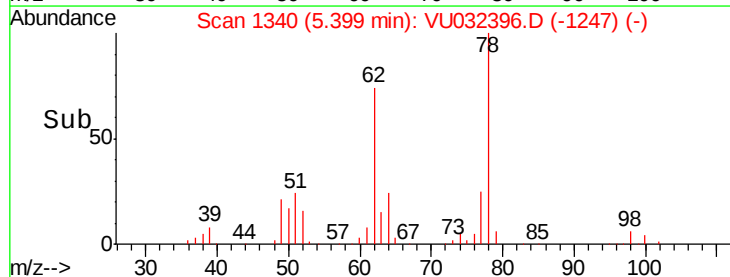
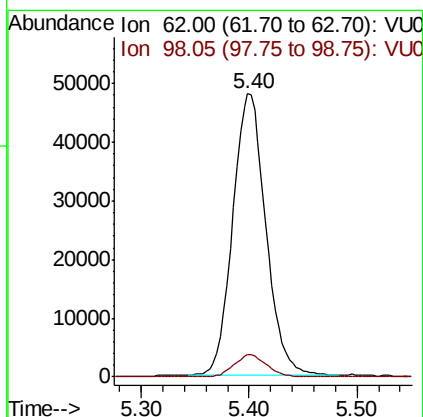
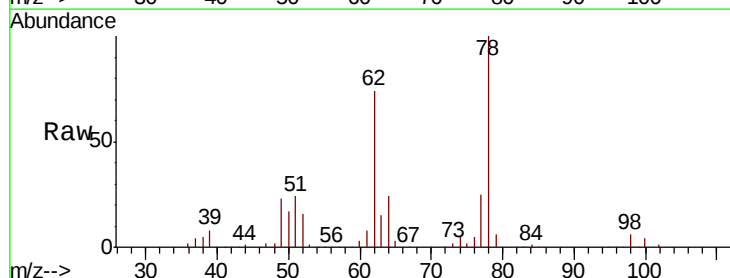
Instrument :
MSVOA_U
ClientSampleId :
VICV13

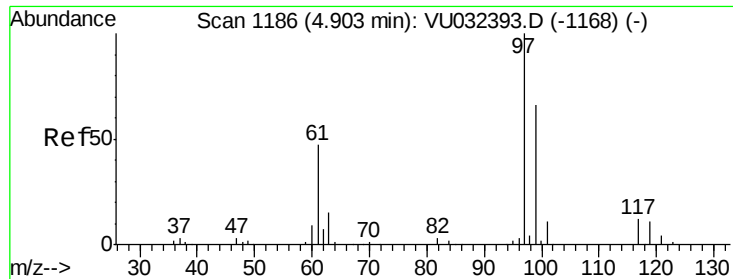
Tgt Ion: 83 Resp: 143678
Ion Ratio Lower Upper
83 100
85 65.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.056 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Tgt Ion: 62 Resp: 101788
Ion Ratio Lower Upper
62 100
98 7.9 6.2 9.4

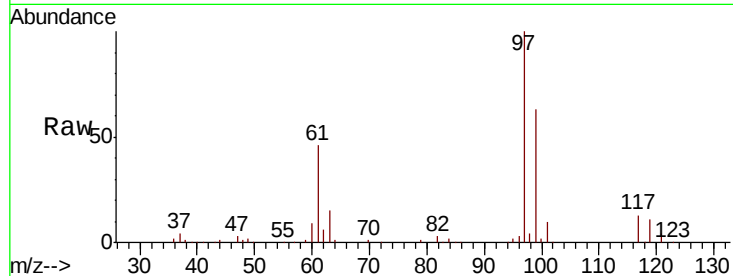




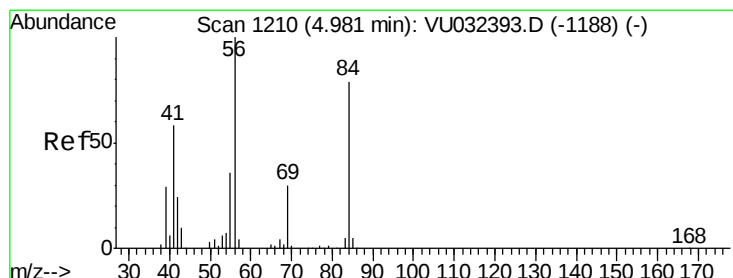
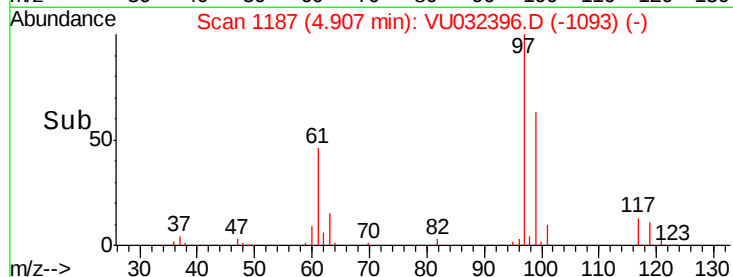
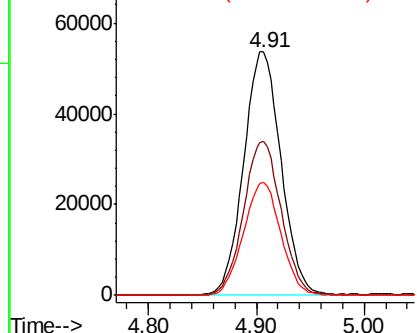
#29
 1,1,1-Trichloroethane
 Concen: 5.078 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

Tgt Ion: 97 Resp: 129461
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 46.3 37.7 56.5

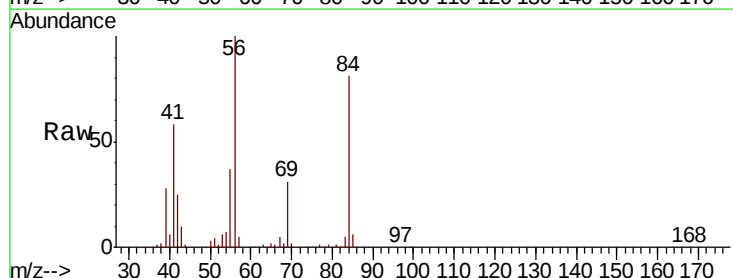


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

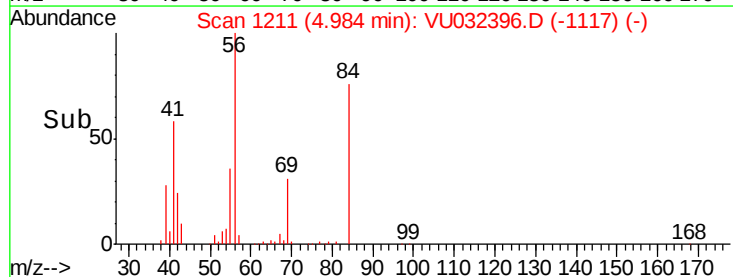
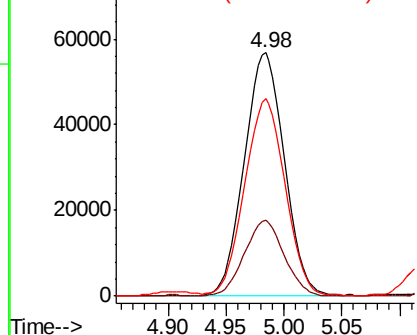


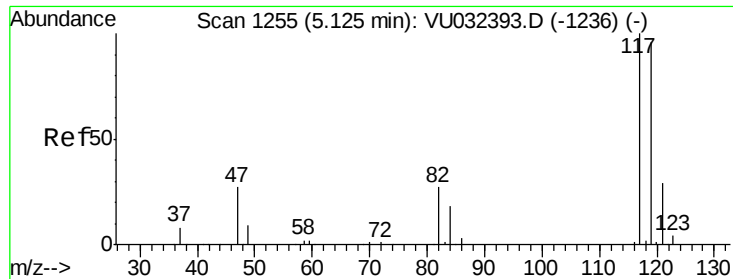
#30
 Cyclohexane
 Concen: 4.957 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Tgt Ion: 56 Resp: 137269
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.2 36.4
 84 81.9 64.3 96.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.076 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

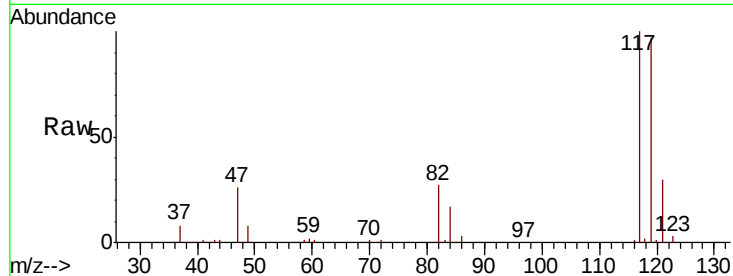
VICV13

Tgt Ion:117 Resp: 114048

Ion Ratio Lower Upper

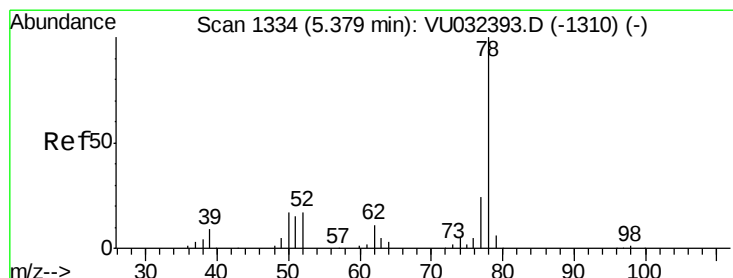
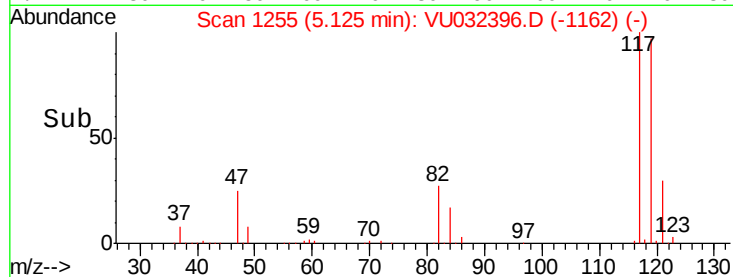
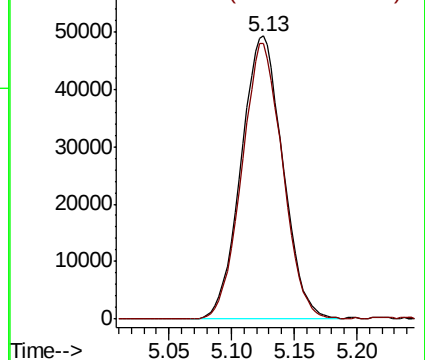
117 100

119 94.9 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.107 ug/L

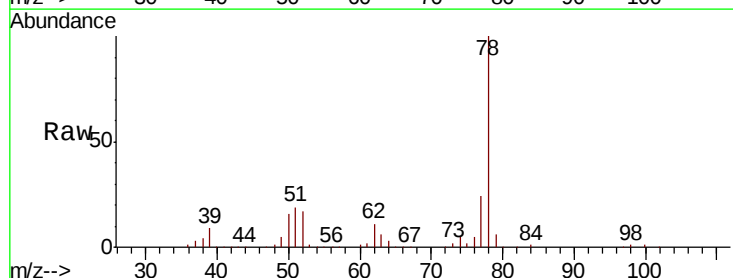
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

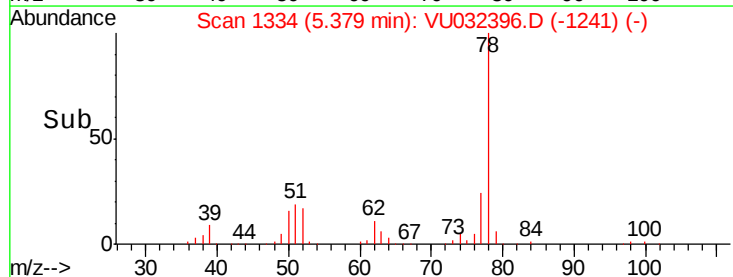
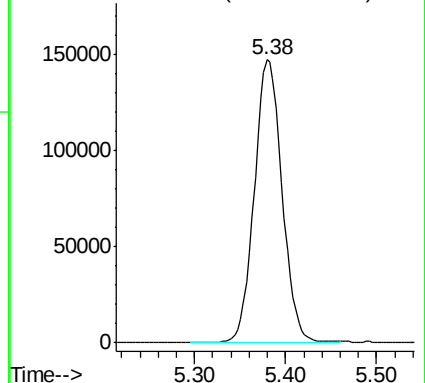
Lab File: VU032396.D

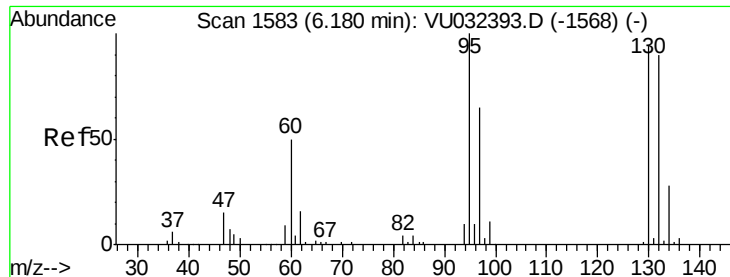
Acq: 03 Jun 2019 16:24

Tgt Ion: 78 Resp: 312578



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.048 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

Tgt Ion: 95 Resp: 83788

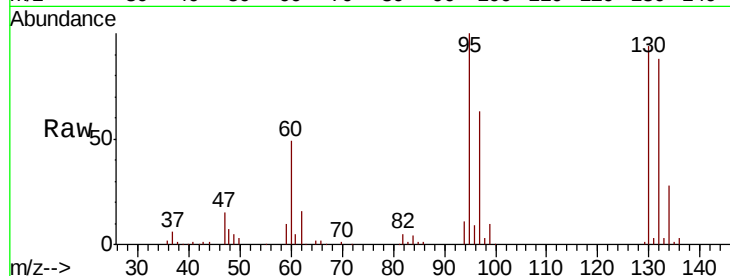
Ion Ratio Lower Upper

95 100

97 63.1 45.8 85.0

132 87.7 63.1 117.1

130 94.1 66.0 122.6

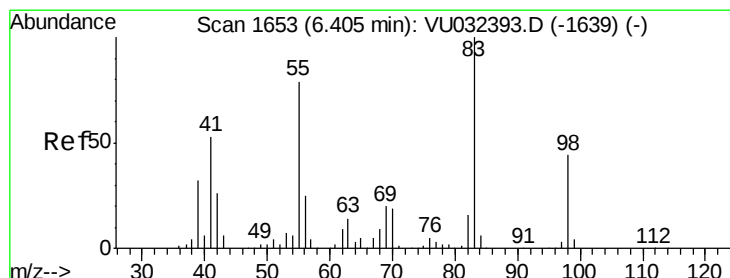
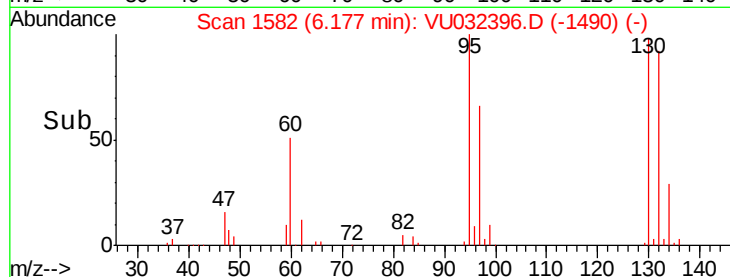
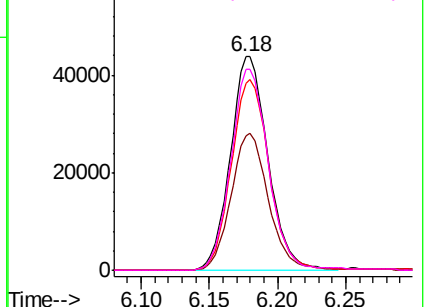


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.050 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

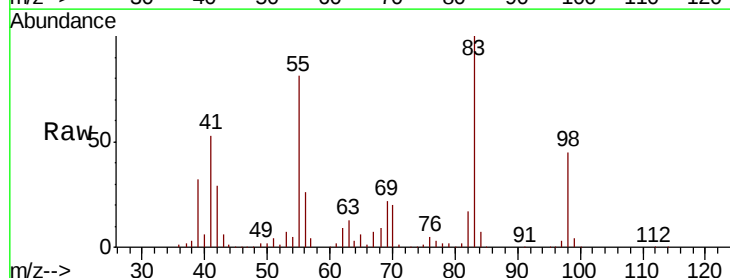
Tgt Ion: 83 Resp: 139837

Ion Ratio Lower Upper

83 100

55 81.2 64.7 97.1

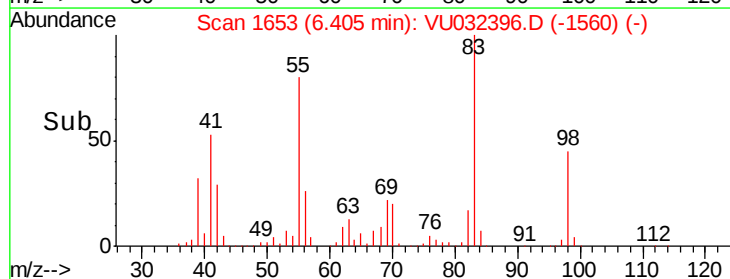
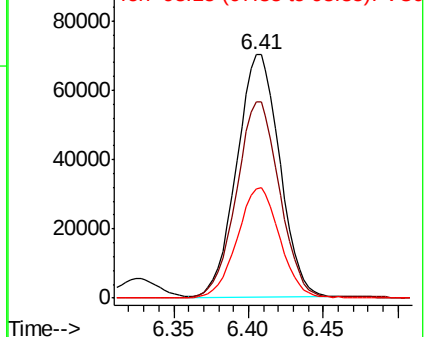
98 45.5 35.9 53.9

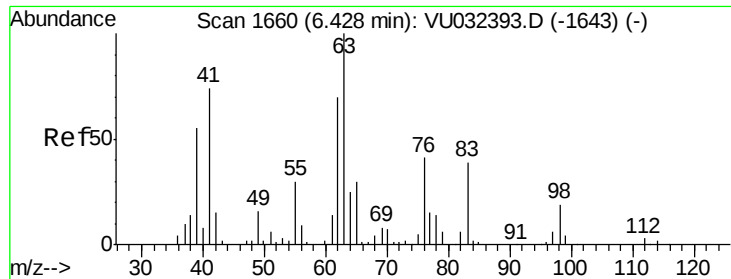


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

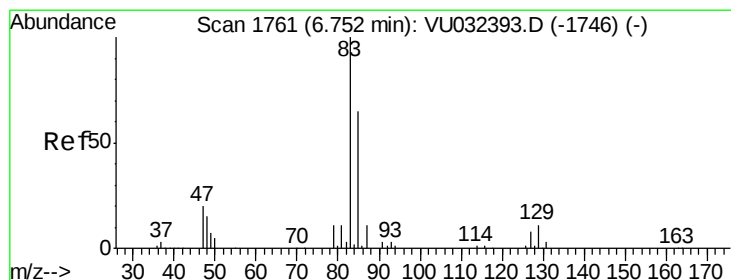
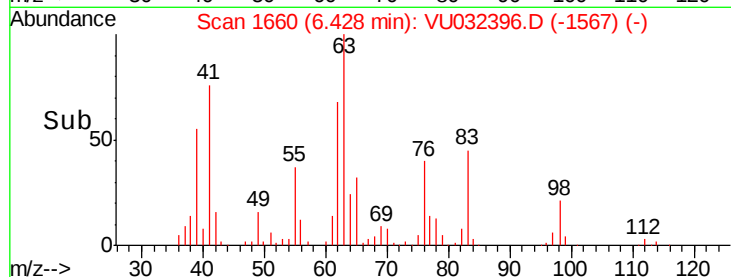
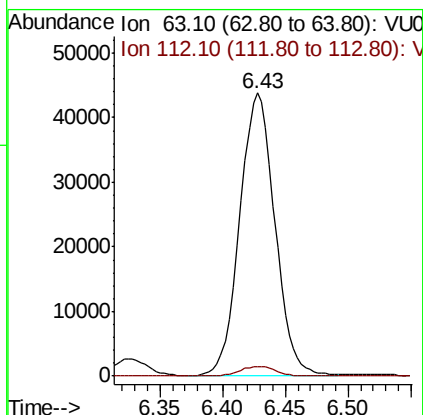
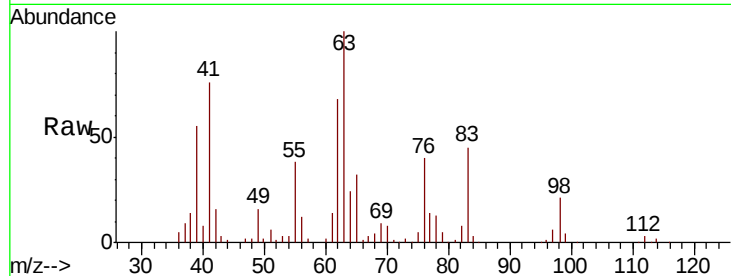




#37
 1,2-Dichloropropane
 Concen: 5.105 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

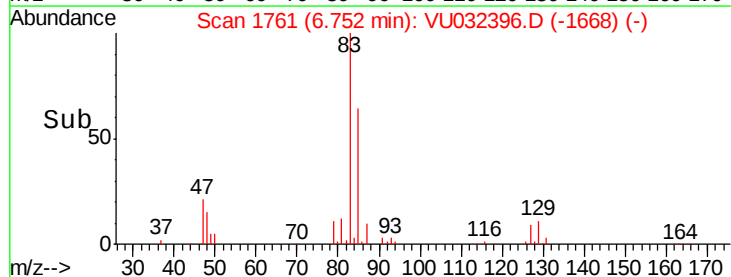
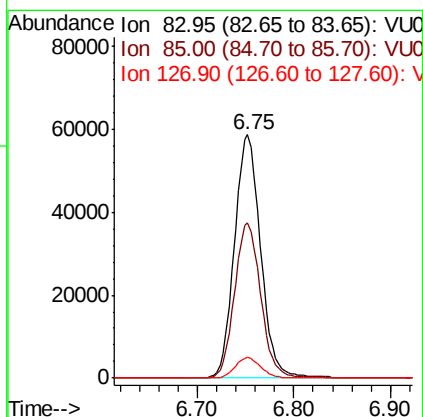
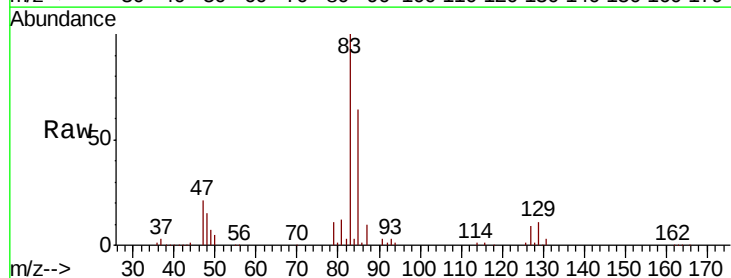
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

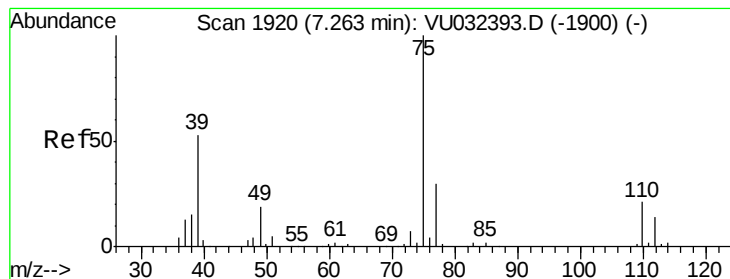
Tgt Ion: 63 Resp: 85065
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.049 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Tgt Ion: 83 Resp: 110615
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.4 84.4
 127 8.6 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 5.114 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

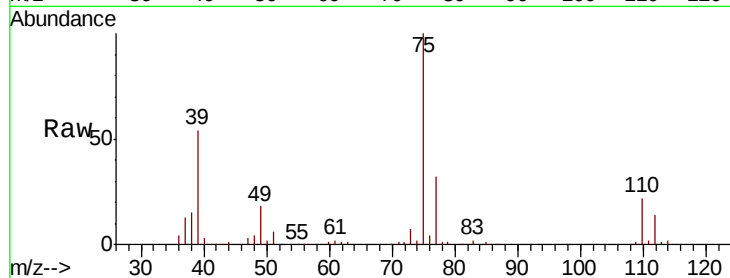
VICV13

Tgt Ion: 75 Resp: 134653

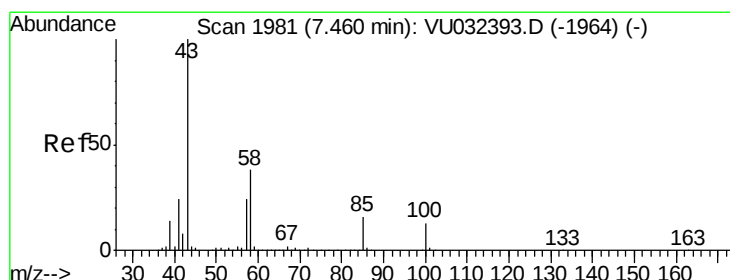
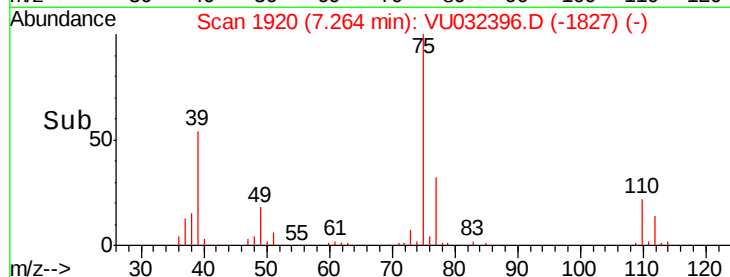
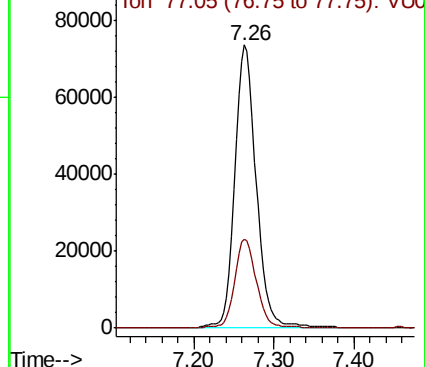
Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU032396.D (-1827) (-)



#40

4-Methyl-2-pentanone

Concen: 50.863 ug/L

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

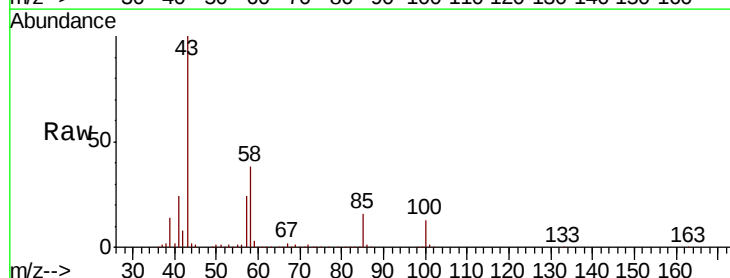
Tgt Ion: 43 Resp: 638635

Ion Ratio Lower Upper

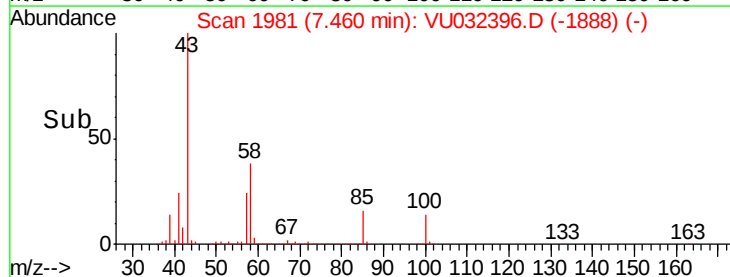
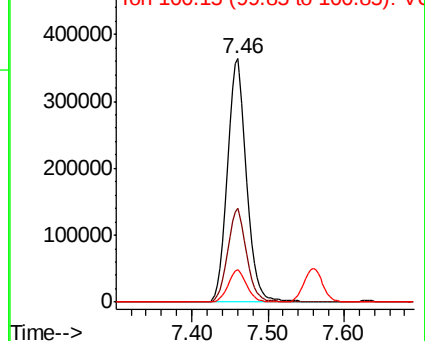
43 100

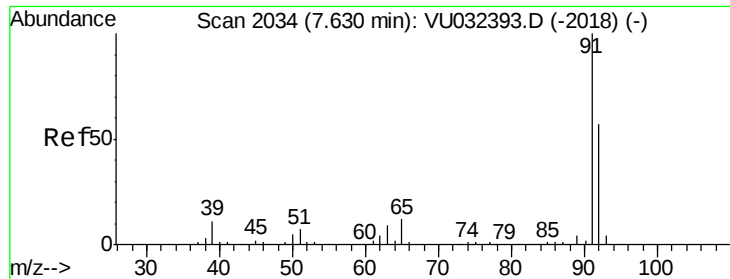
58 38.1 30.3 45.5

100 13.1 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VU032396.D (-1888) (-)





#42

Toluene

Concen: 5.114 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

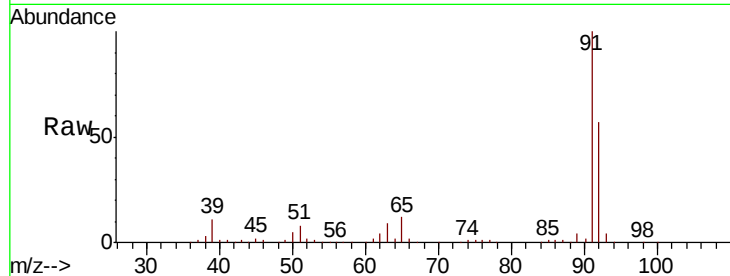
VICV13

Tgt Ion: 91 Resp: 337328

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032393.D (-2018) (-)

Ion 92.15 (91.85 to 92.85): VU032396.D (-1941) (-)

7.63

200000

150000

100000

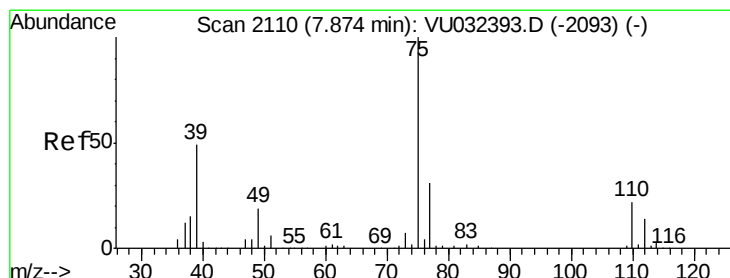
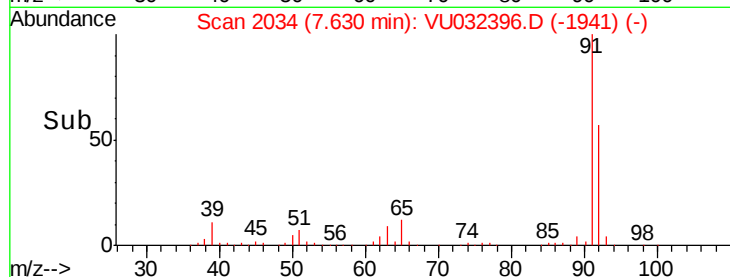
50000

0

7.60

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.104 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032396.D

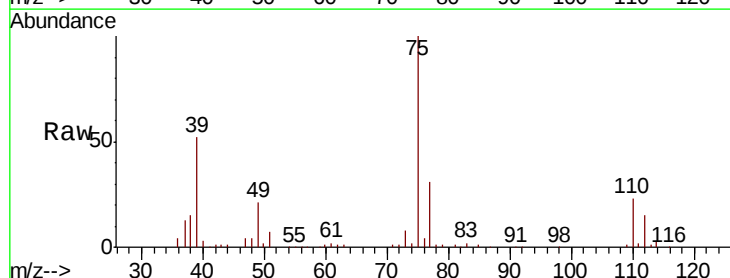
Acq: 03 Jun 2019 16:24

Tgt Ion: 75 Resp: 109764

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032393.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032396.D (-2177) (-)

7.87

60000

40000

20000

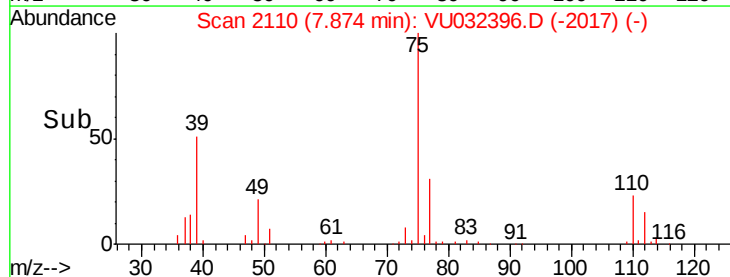
0

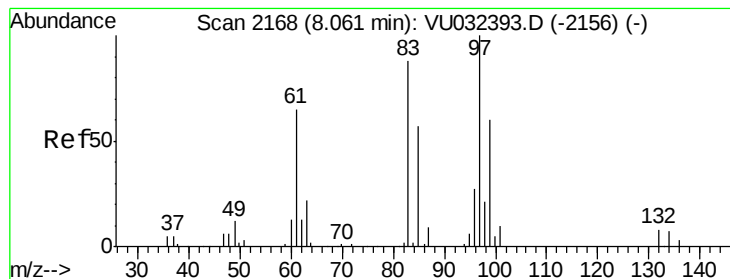
7.80

7.90

8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.994 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

Tgt Ion: 97 Resp: 57283

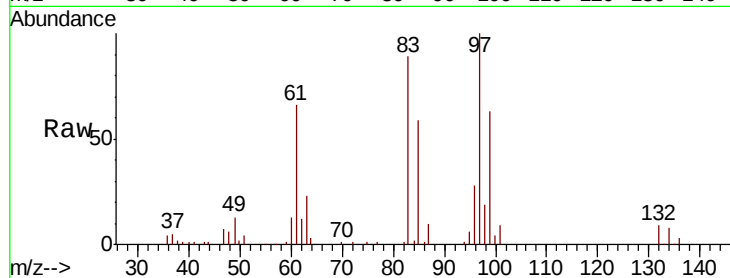
Ion Ratio Lower Upper

97 100

99 63.0 42.2 78.4

83 89.1 61.9 114.9

85 58.6 39.7 73.7

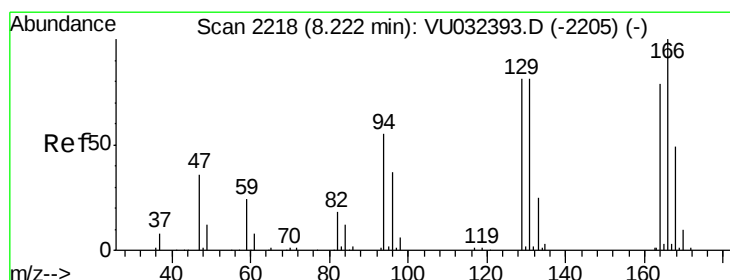
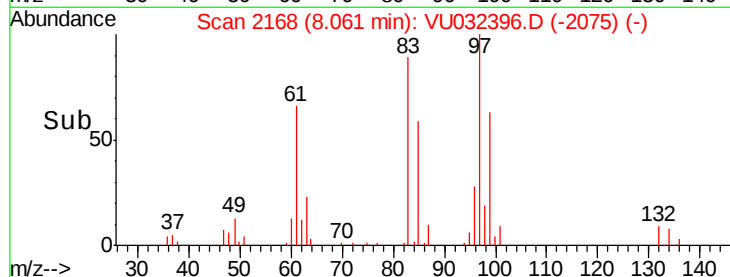
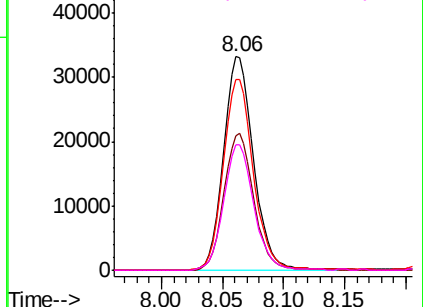


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.064 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Tgt Ion: 164 Resp: 58764

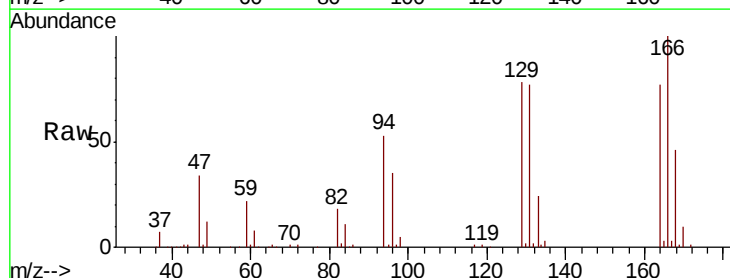
Ion Ratio Lower Upper

164 100

129 101.1 72.1 133.9

131 99.5 71.9 133.5

166 129.1 89.0 165.4

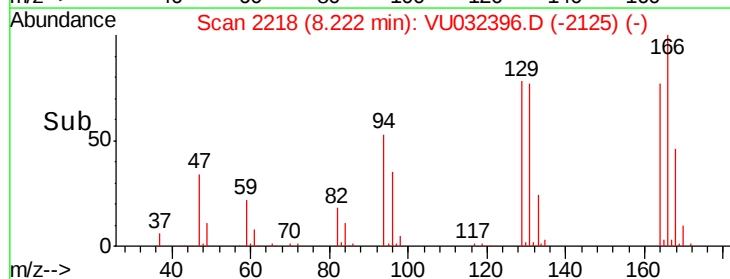
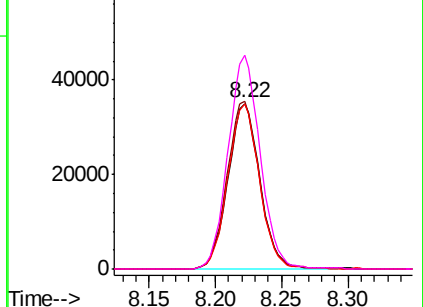


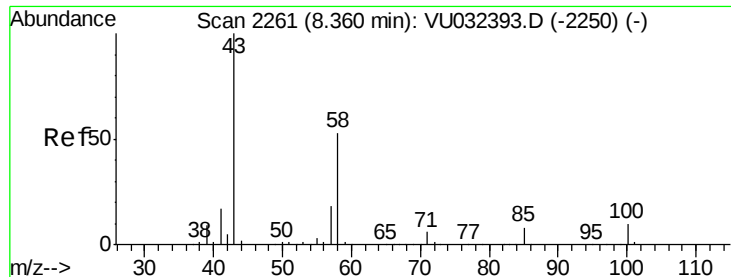
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

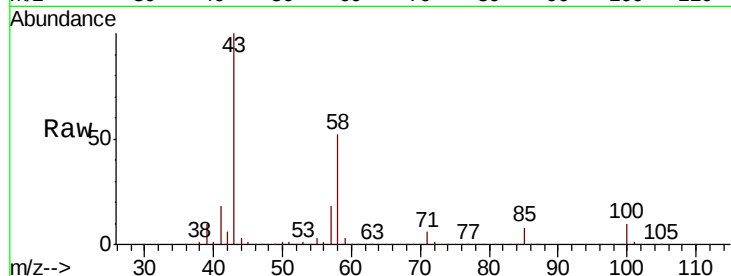




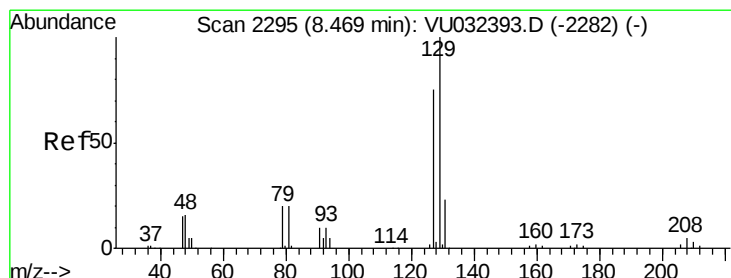
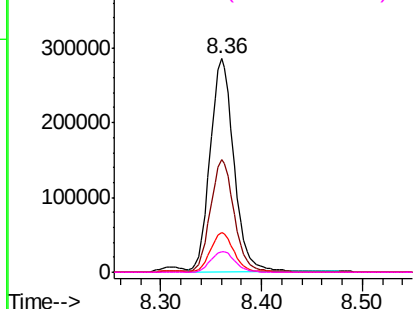
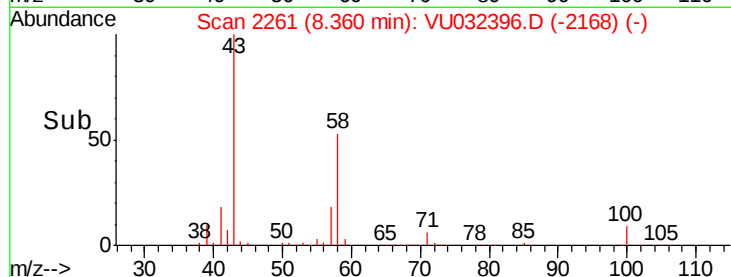
#48
2-Hexanone
Concen: 50.595 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
VICV13

Tgt Ion: 43 Resp: 464620
Ion Ratio Lower Upper
43 100
58 52.4 41.3 61.9
57 18.4 14.5 21.7
100 10.0 8.2 12.2

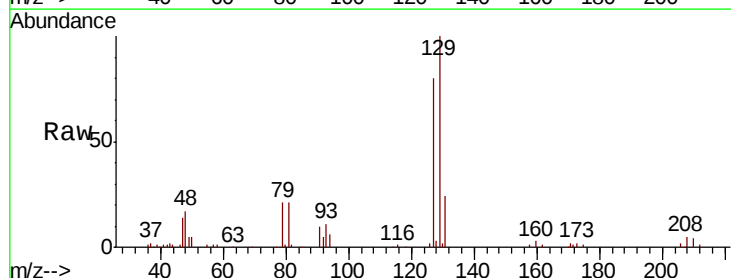


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

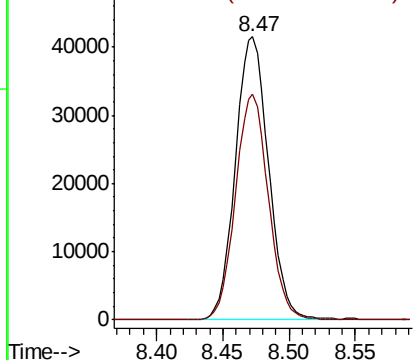
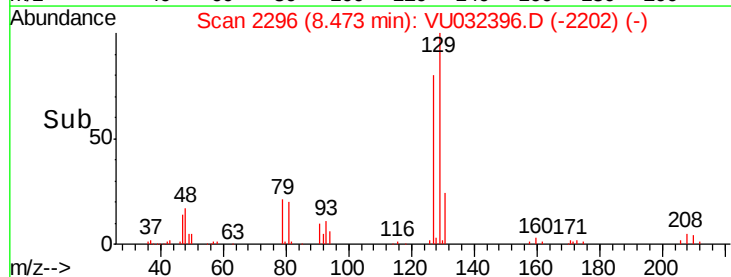


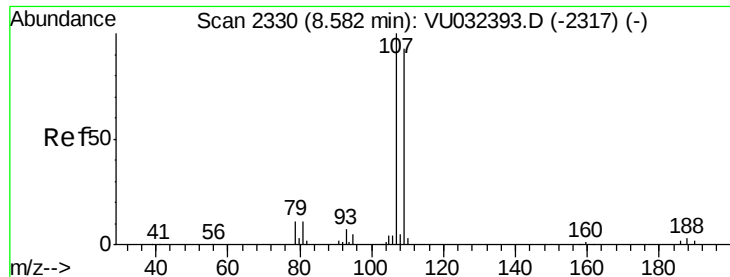
#49
Dibromochloromethane
Concen: 5.013 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Tgt Ion: 129 Resp: 72364
Ion Ratio Lower Upper
129 100
127 79.7 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

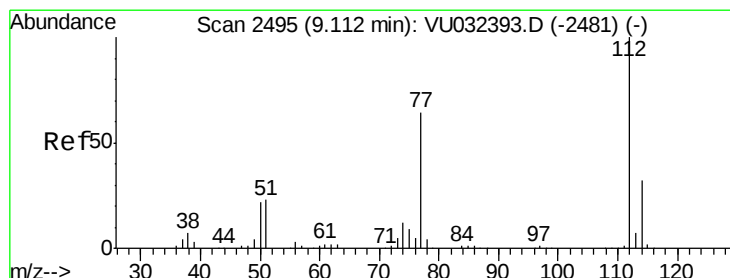
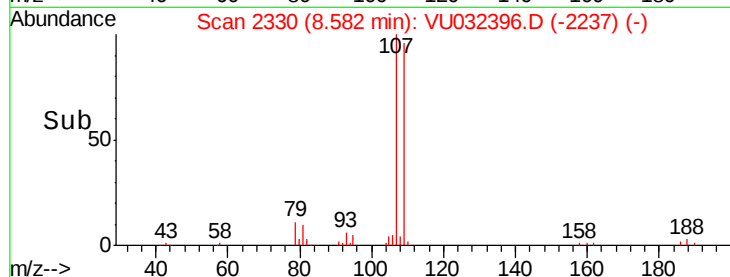
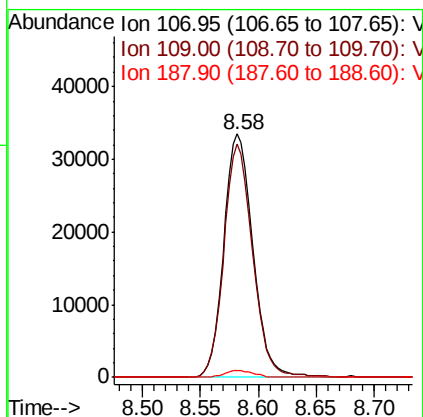
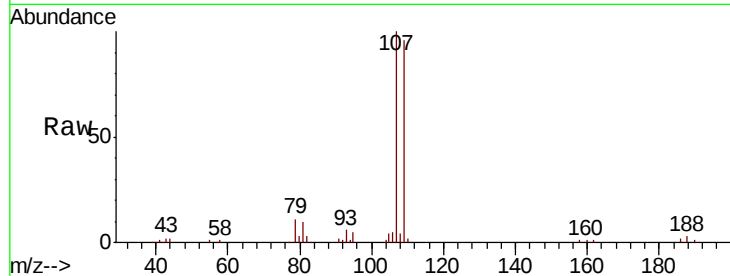




#50
1,2-Dibromoethane
Concen: 5.004 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

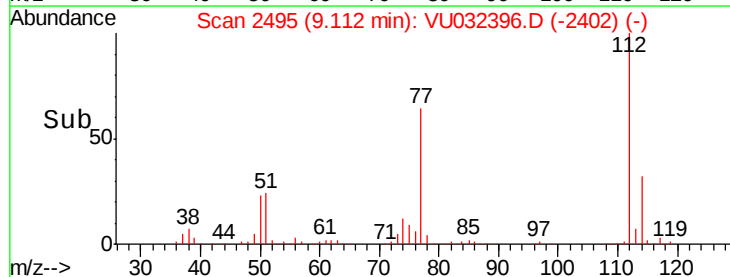
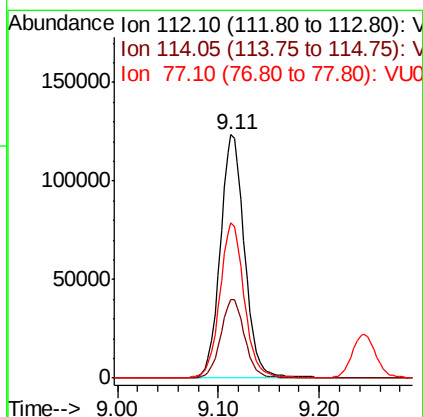
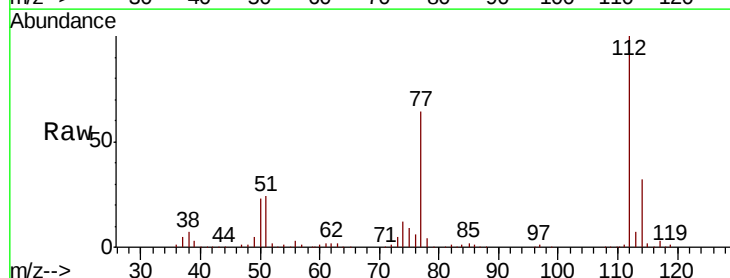
Instrument :
MSVOA_U
ClientSampleId :
VICV13

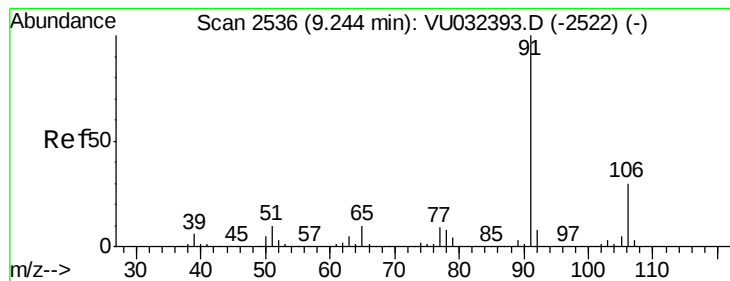
Tgt Ion:107 Resp: 58413
Ion Ratio Lower Upper
107 100
109 95.6 65.3 121.3
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 5.001 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Tgt Ion:112 Resp: 207799
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 63.7 51.0 76.6





#52

Ethylbenzene

Concen: 5.060 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampled :

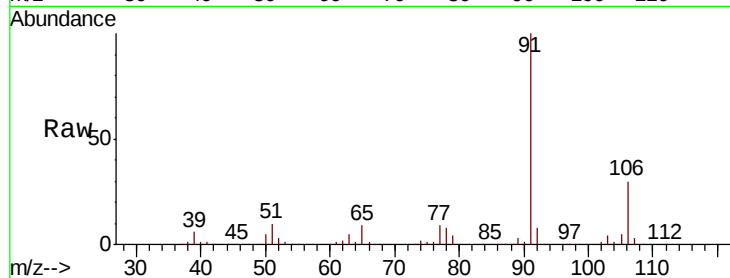
VICV13

Tgt Ion: 91 Resp: 383006

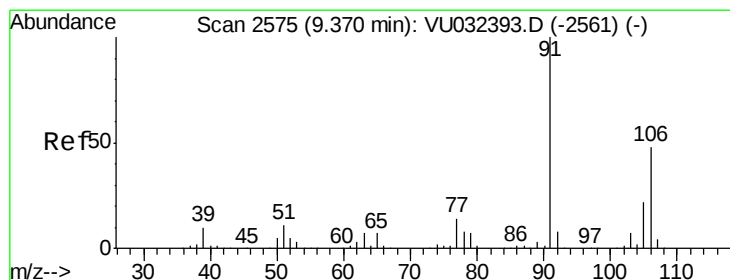
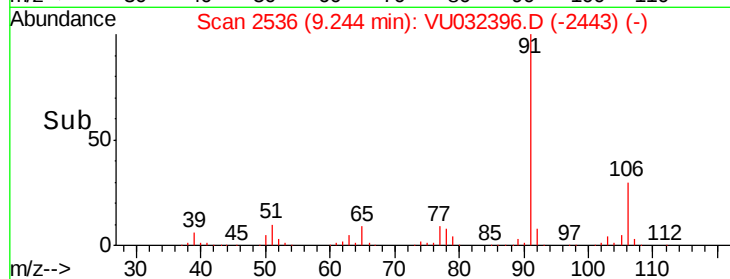
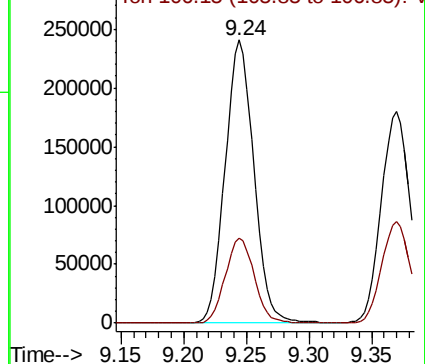
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU032396.D (-2522) (-)



#53

m,p-Xylene

Concen: 5.097 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032396.D

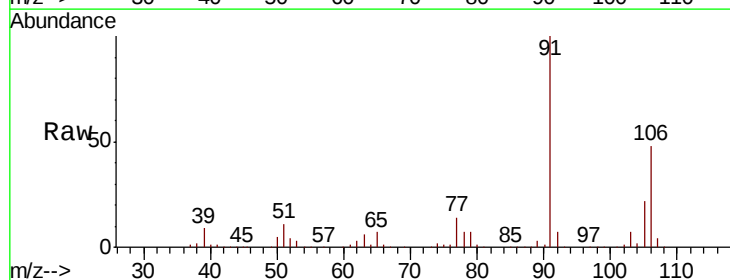
Acq: 03 Jun 2019 16:24

Tgt Ion: 106 Resp: 141578

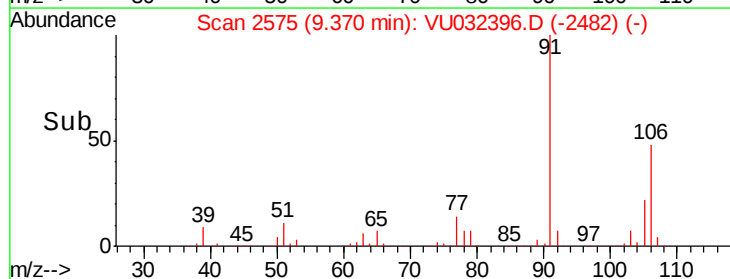
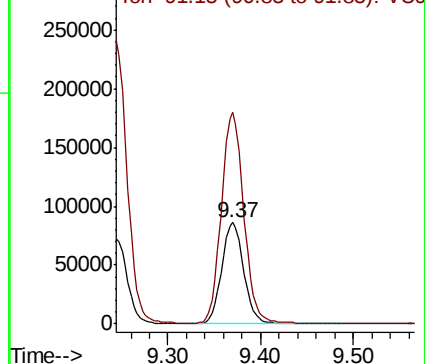
Ion Ratio Lower Upper

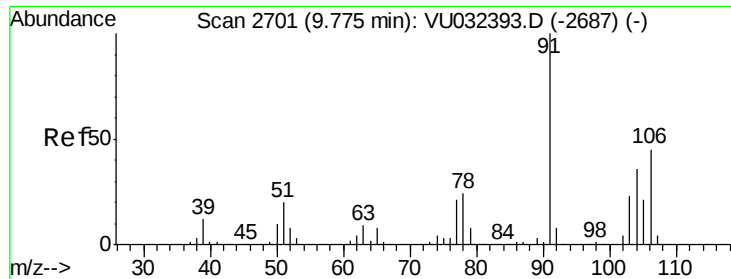
106 100

91 208.5 144.8 269.0



Abundance Ion 106.15 (105.85 to 106.85): VU032396.D (-2561) (-)

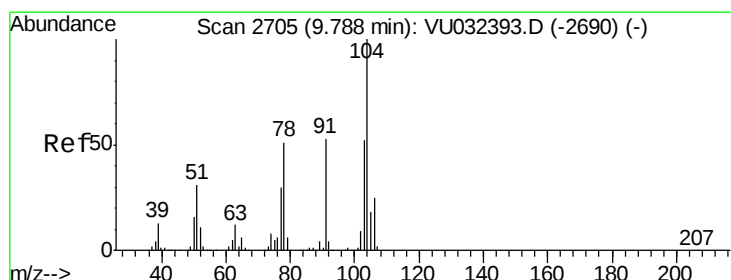
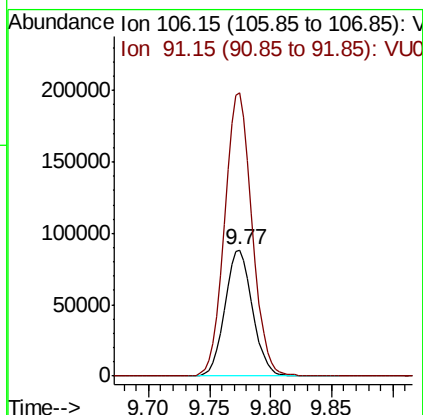
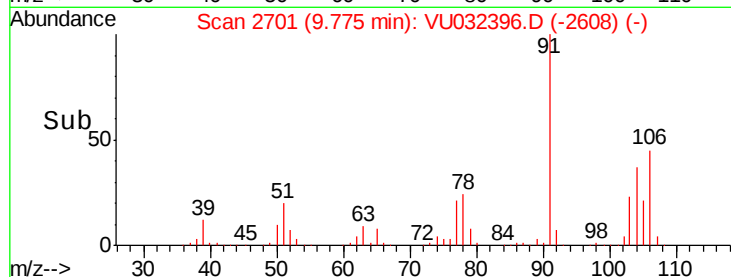
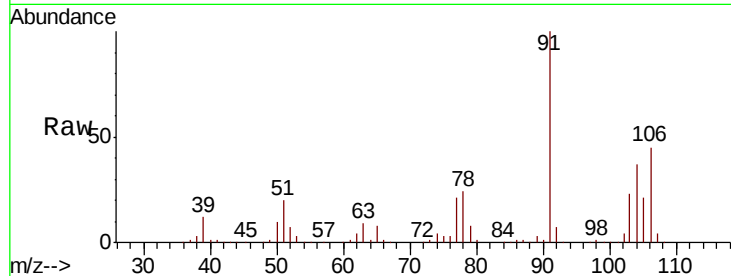




#54
o-Xylene
Concen: 5.120 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

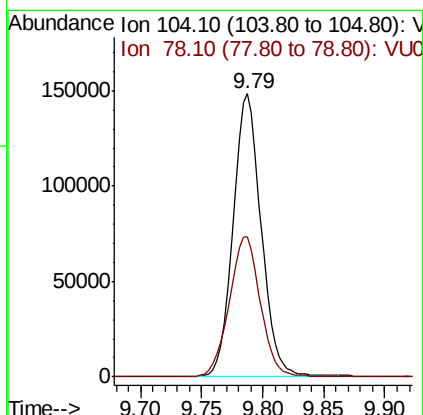
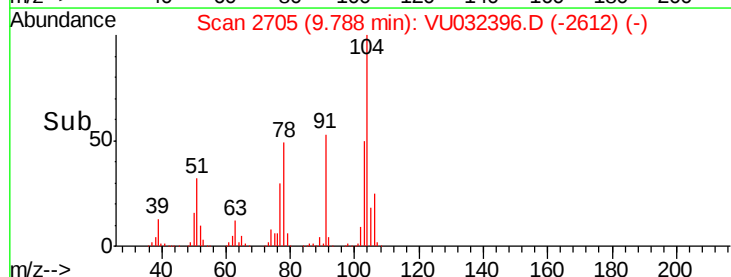
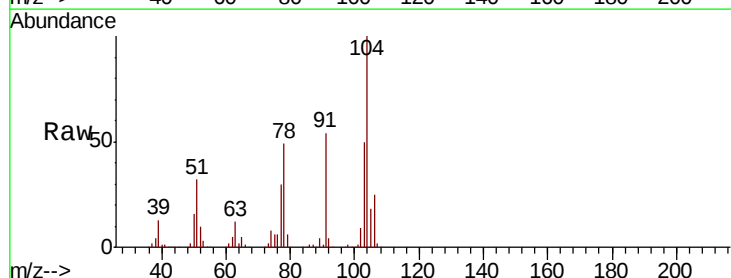
Instrument :
MSVOA_U
ClientSampleId :
VICV13

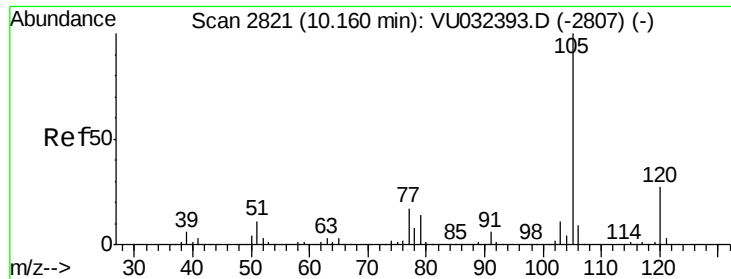
Tgt Ion:106 Resp: 140660
Ion Ratio Lower Upper
106 100
91 224.2 156.9 291.3



#55
Styrene
Concen: 5.144 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032396.D
Acq: 03 Jun 2019 16:24

Tgt Ion:104 Resp: 238310
Ion Ratio Lower Upper
104 100
78 49.3 35.5 65.9





#56

Isopropylbenzene

Concen: 5.064 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

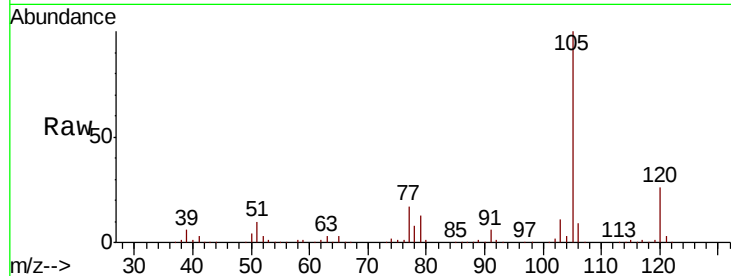
Tgt Ion: 105 Resp: 371041

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

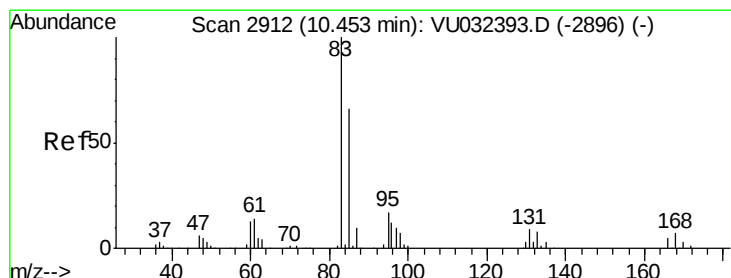
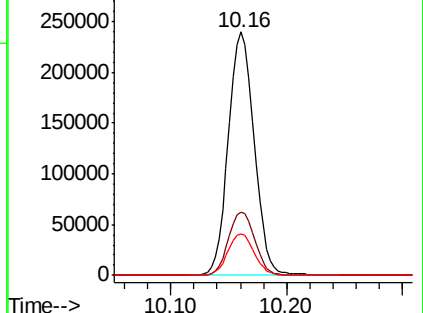
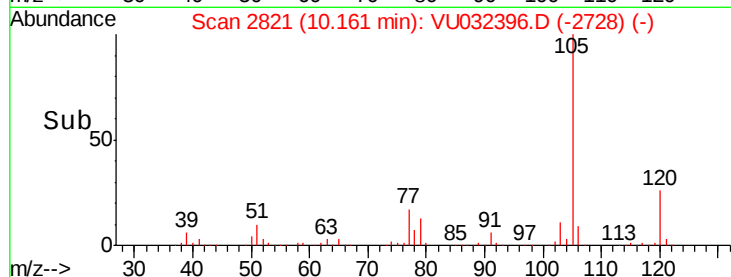
77 17.4 13.4 20.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.899 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

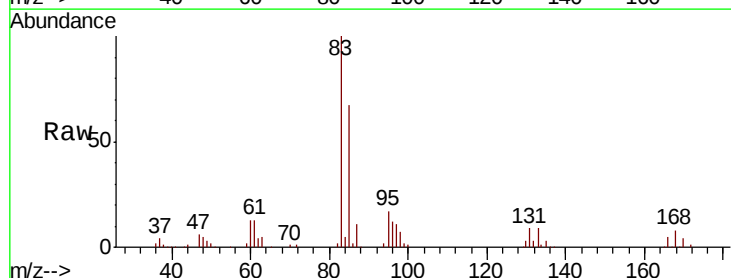
Tgt Ion: 83 Resp: 76629

Ion Ratio Lower Upper

83 100

85 67.0 46.5 86.5

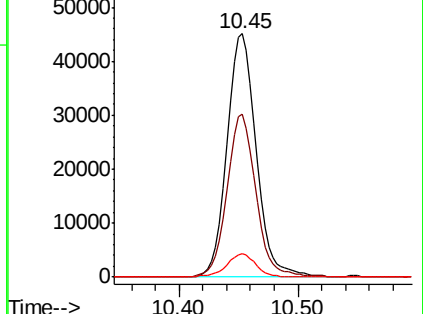
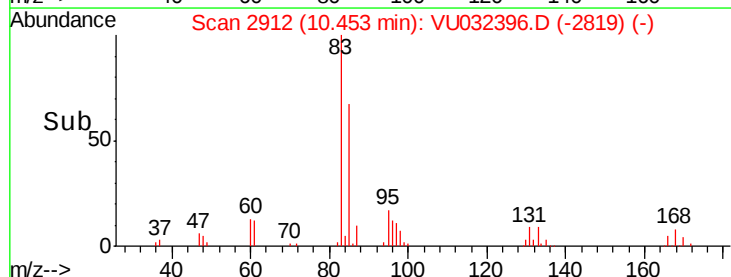
131 9.4 7.4 11.2

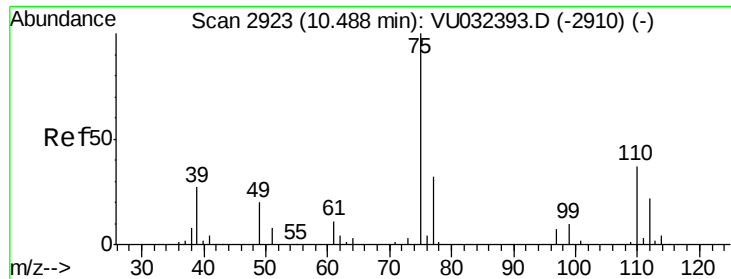


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

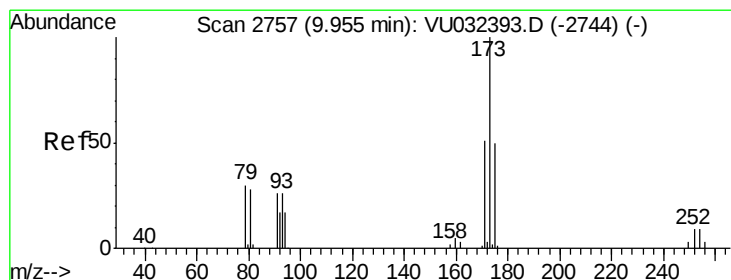
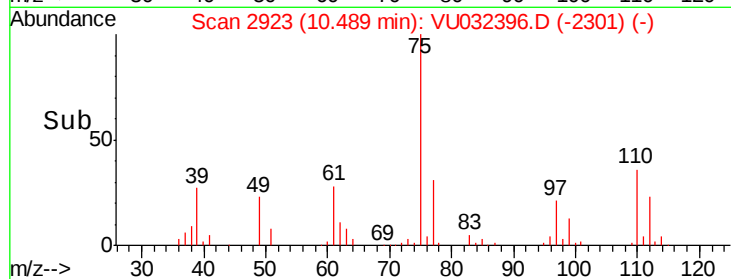
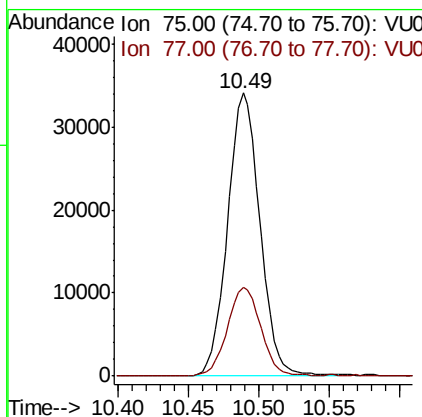
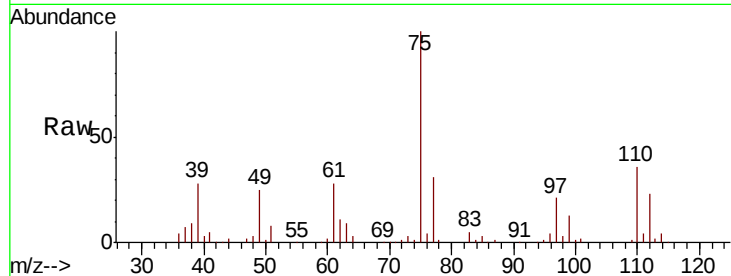




#59
 1,2,3-Trichloropropane
 Concen: 5.057 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

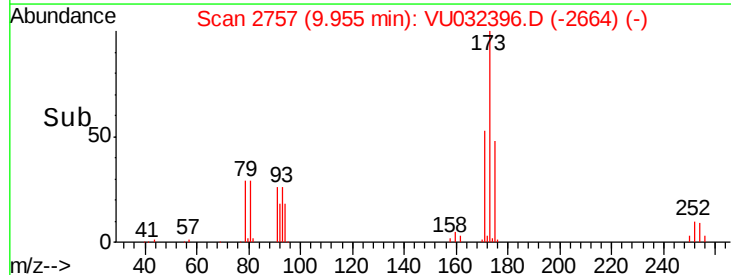
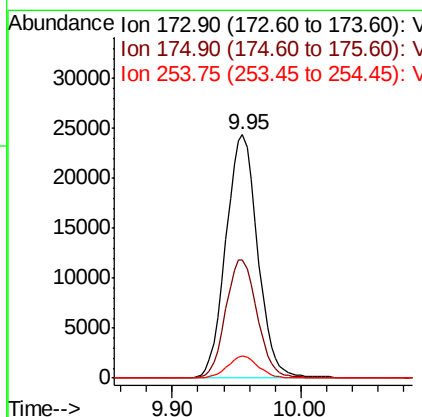
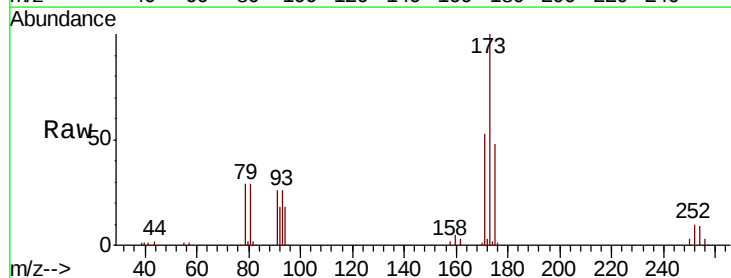
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

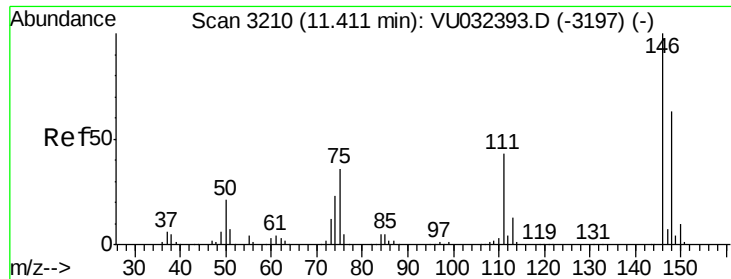
Tgt Ion: 75 Resp: 54766
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1



#61
 Bromoform
 Concen: 5.045 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Tgt Ion: 173 Resp: 41682
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 8.6 7.4 11.0

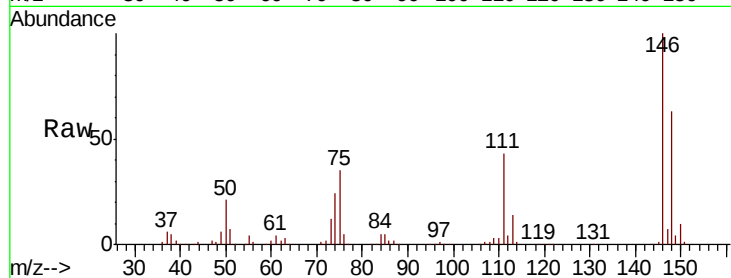




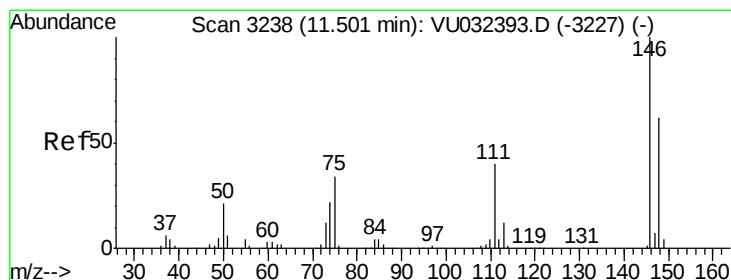
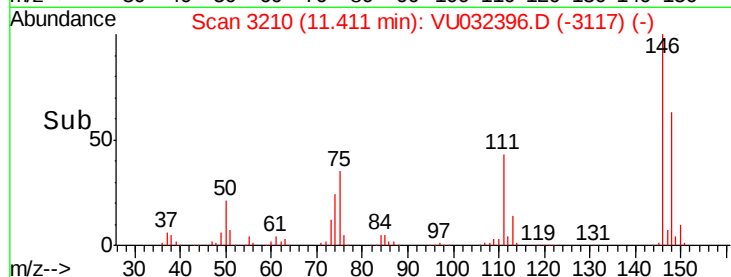
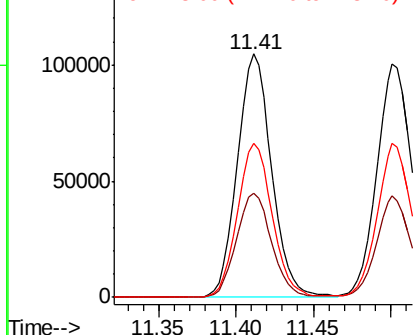
#62
 1,3-Dichlorobenzene
 Concen: 5.160 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

Tgt Ion:146 Resp: 161500
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.3
 148 63.3 44.2 82.0

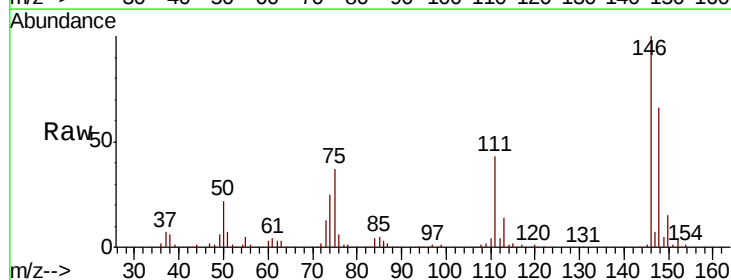


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

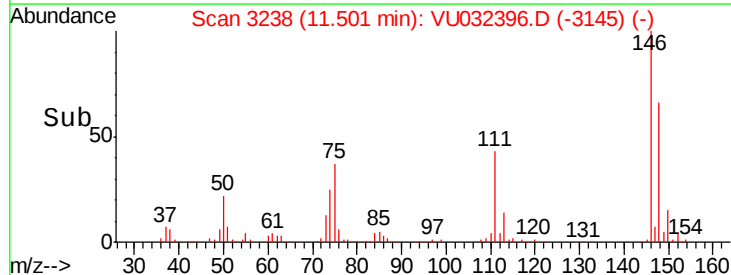
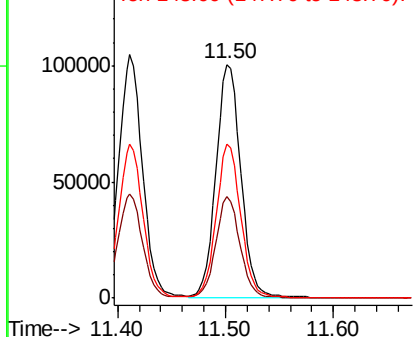


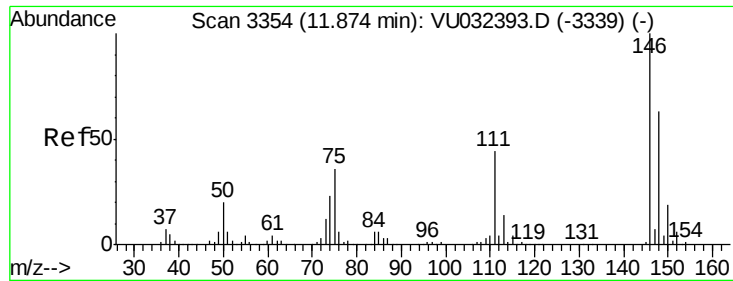
#63
 1,4-Dichlorobenzene
 Concen: 5.113 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Tgt Ion:146 Resp: 161250
 Ion Ratio Lower Upper
 146 100
 111 43.2 28.6 53.2
 148 65.7 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.162 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampled :

VICV13

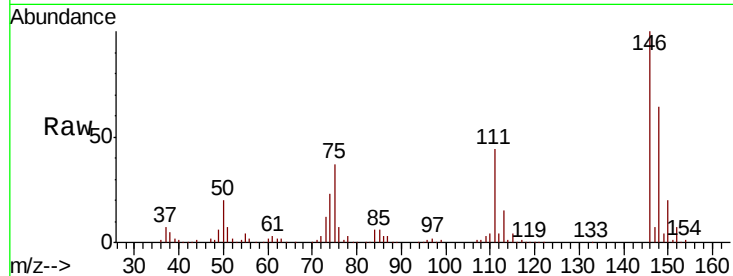
Tgt Ion:146 Resp: 154426

Ion Ratio Lower Upper

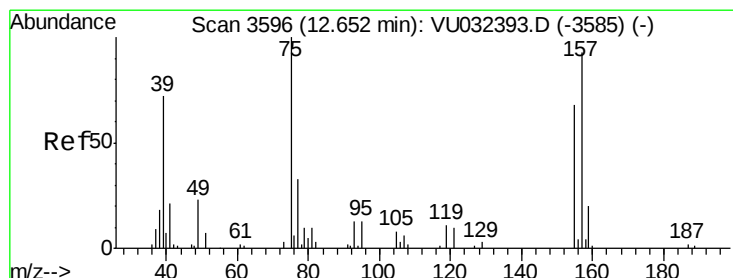
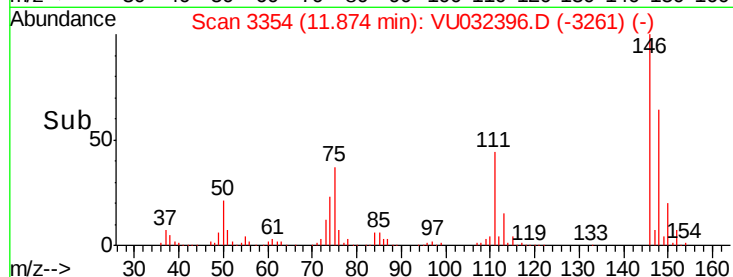
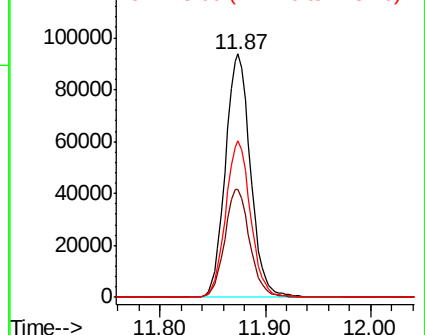
146 100

111 44.5 35.2 52.8

148 64.3 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.214 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

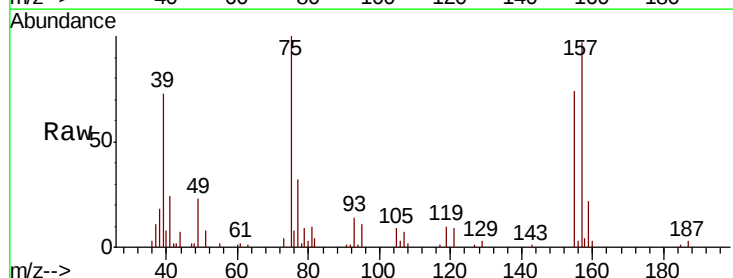
Tgt Ion: 75 Resp: 14809

Ion Ratio Lower Upper

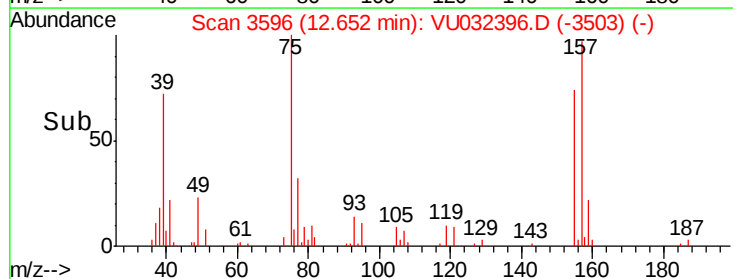
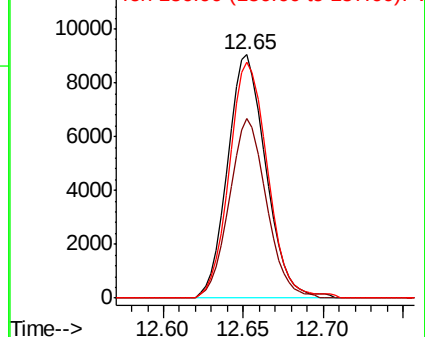
75 100

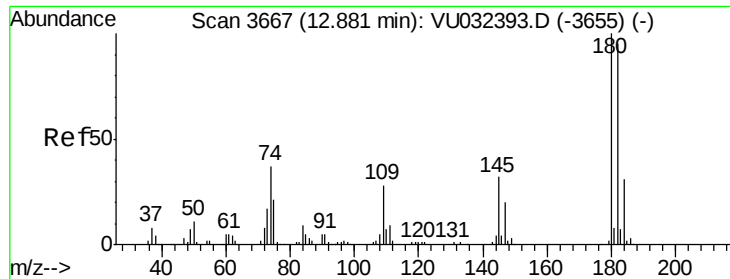
155 74.0 54.8 82.2

157 97.0 74.7 112.1



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

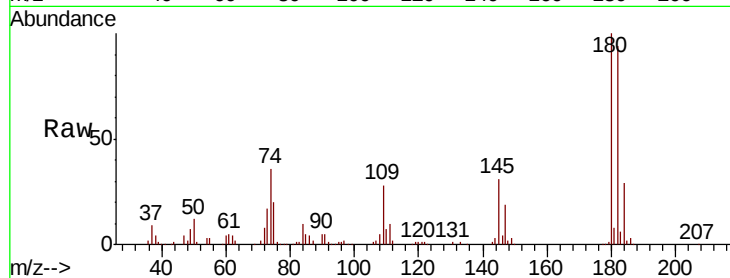




#67
 1,3,5-Trichlorobenzene
 Concen: 5.240 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV13

Tgt Ion:	180	Resp:	126757
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
184	29.9	24.5	36.7
145	31.1	25.2	37.8



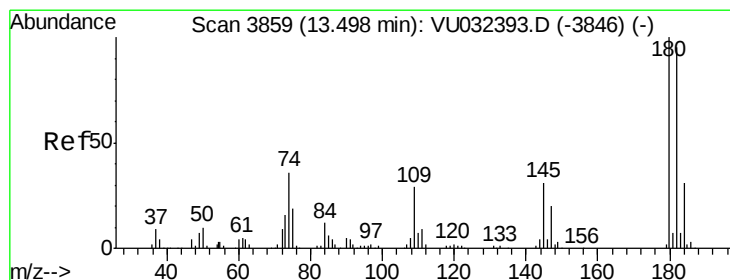
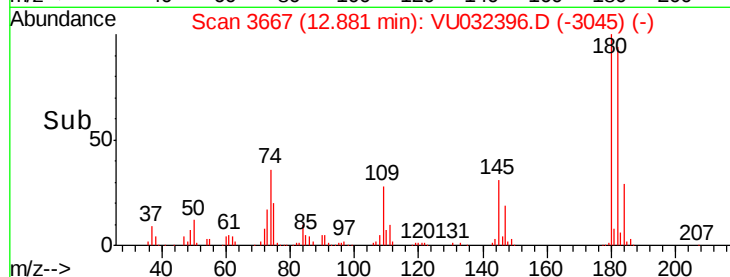
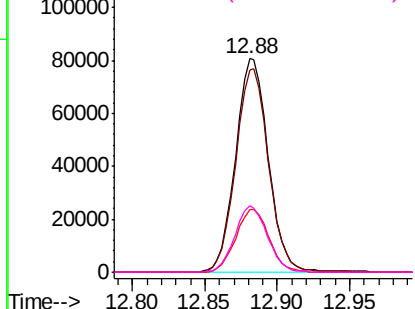
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

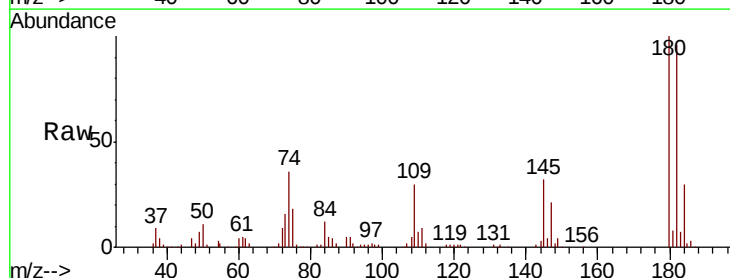
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.491 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032396.D
 Acq: 03 Jun 2019 16:24

Tgt Ion:	180	Resp:	112941
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.3	115.9
145	31.2	25.0	37.4

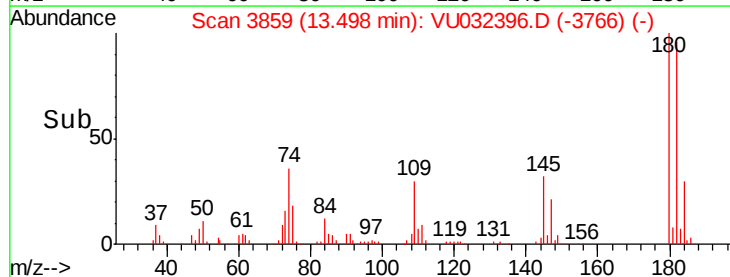
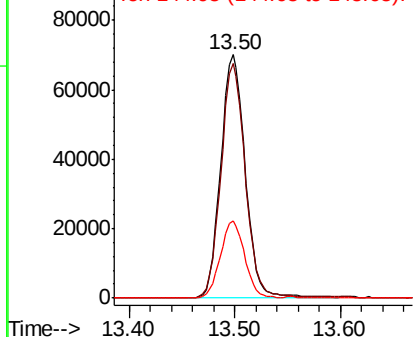


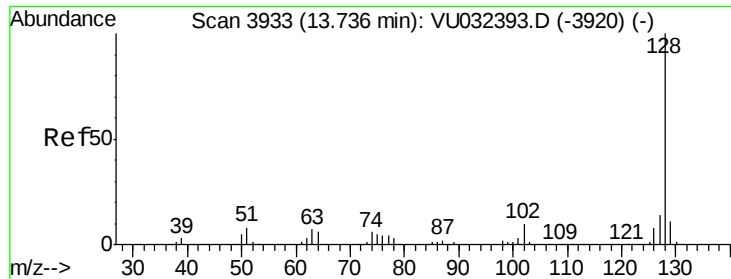
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.700 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

VICV13

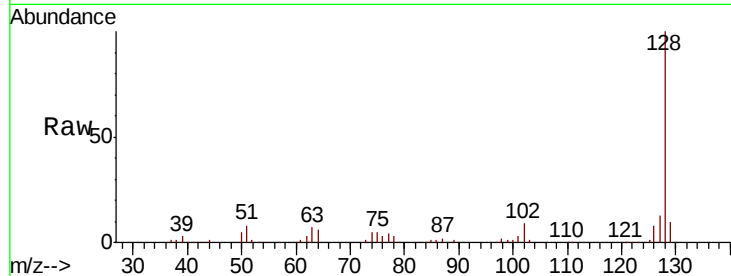
Tgt Ion:128 Resp: 230421

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

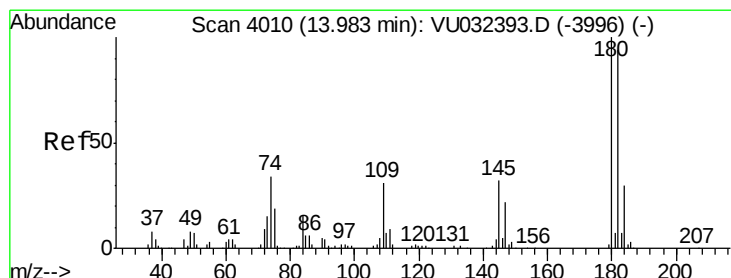
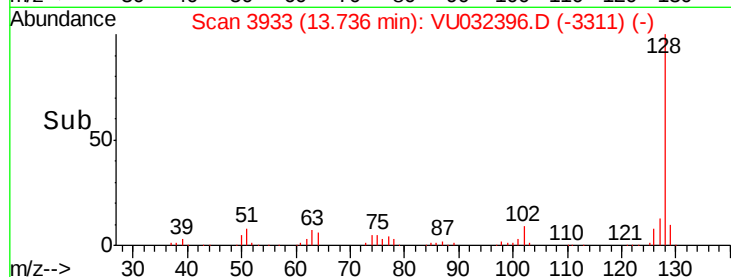
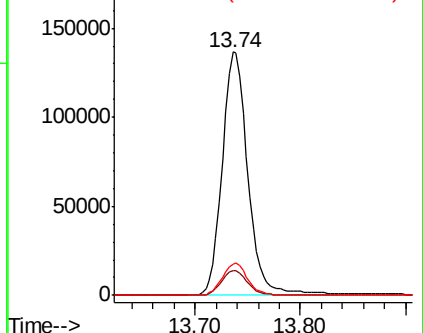
127 13.3 11.0 16.4



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



#70

1,2,3-Trichlorobenzene

Concen: 5.527 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032396.D

Acq: 03 Jun 2019 16:24

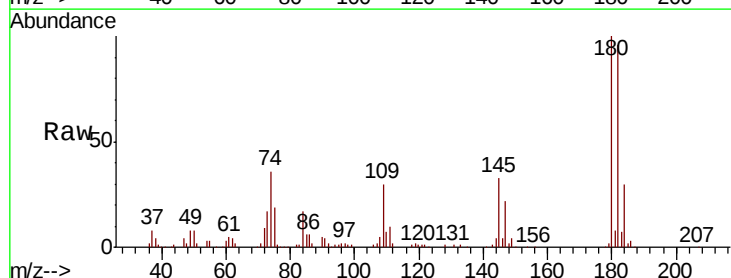
Tgt Ion:180 Resp: 107943

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 32.8 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

