

Data File : VU032426.D
Acq On : 04 Jun 2019 14:29
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV14

Quant Time: Jun 04 23:08:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:54:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	107993	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	101459	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33010	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.68	69	27334	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.27	63	66708	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.20	46	98754	50.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.80%
24) Chloroform-d	4.64	84	59653	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.31	65	31513	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.33	84	117183	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.32	67	36701	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.56	98	110234	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	16440	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.31	63	82812	49.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31522	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	44612	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	44216	4.772 ug/L	99
3) Chloromethane	1.32	50	45230	4.706 ug/L	97
5) Vinyl chloride	1.40	62	46275	4.899 ug/L	99
6) Bromomethane	1.63	94	28252	4.903 ug/L	99
8) Chloroethane	1.70	64	28158	4.666 ug/L	99
9) Trichlorofluoromethane	1.88	101	67310	4.979 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34106	4.745 ug/L	98
12) 1,1-Dichloroethene	2.28	96	32856	4.789 ug/L	98
13) Acetone	2.34	43	73645	48.422 ug/L	99
14) Carbon disulfide	2.47	76	106279	4.837 ug/L	99
15) Methyl Acetate	2.62	43	18411	4.412 ug/L	98
16) Methylene chloride	2.69	84	35447	4.658 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	95234	4.746 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	35593	4.808 ug/L	97
19) 1,1-Dichloroethane	3.44	63	64009	4.830 ug/L	97
21) 2-Butanone	4.29	43	114432	51.732 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	39999	4.774 ug/L	99

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Instrument :
MSVOA_U
ClientSampleId :
VICV14

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17965	4.982	ug/L	97
25) Chloroform	4.67	83	65943	4.871	ug/L	96
27) 1,2-Dichloroethane	5.40	62	42842	4.815	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	58864	4.761	ug/L	100
30) Cyclohexane	4.98	56	62059	4.749	ug/L	99
31) Carbon tetrachloride	5.12	117	53999	4.804	ug/L	100
33) Benzene	5.38	78	144437	4.828	ug/L	100
34) Trichloroethene	6.18	95	39051	4.538	ug/L	98
35) Methylcyclohexane	6.41	83	64650	4.672	ug/L	98
37) 1,2-Dichloropropane	6.43	63	37433	4.836	ug/L	98
38) Bromodichloromethane	6.75	83	48235	4.849	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	58942	4.960	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	272542	49.483	ug/L	99
42) Toluene	7.63	91	160474	4.813	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	47025	4.957	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	27242	4.838	ug/L	98
47) Tetrachloroethene	8.22	164	34131	5.041	ug/L	93
48) 2-Hexanone	8.36	43	196351	49.886	ug/L	98
49) Dibromochloromethane	8.47	129	35035	4.864	ug/L	99
50) 1,2-Dibromoethane	8.58	107	27181	4.844	ug/L	93
51) Chlorobenzene	9.12	112	102889	4.922	ug/L	99
52) Ethylbenzene	9.24	91	177216	4.823	ug/L	100
53) m,p-Xylene	9.37	106	68283	4.902	ug/L	97
54) o-Xylene	9.77	106	66869	4.810	ug/L	97
55) Styrene	9.79	104	112766	4.931	ug/L	99
56) Isopropylbenzene	10.16	105	179184	4.886	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	34512	4.792	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	24712	4.862	ug/L	99
61) Bromoform	9.95	173	20308	4.777	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	85474	4.949	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	85579	4.874	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	81523	4.885	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5921	5.053	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	70692	5.107	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	60265	5.399	ug/L	98
69) Naphthalene	13.74	128	114900	5.872	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	57219	5.148	ug/L	97

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

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Instrument :
MSVOA_U
ClientSampleId :
VICV14

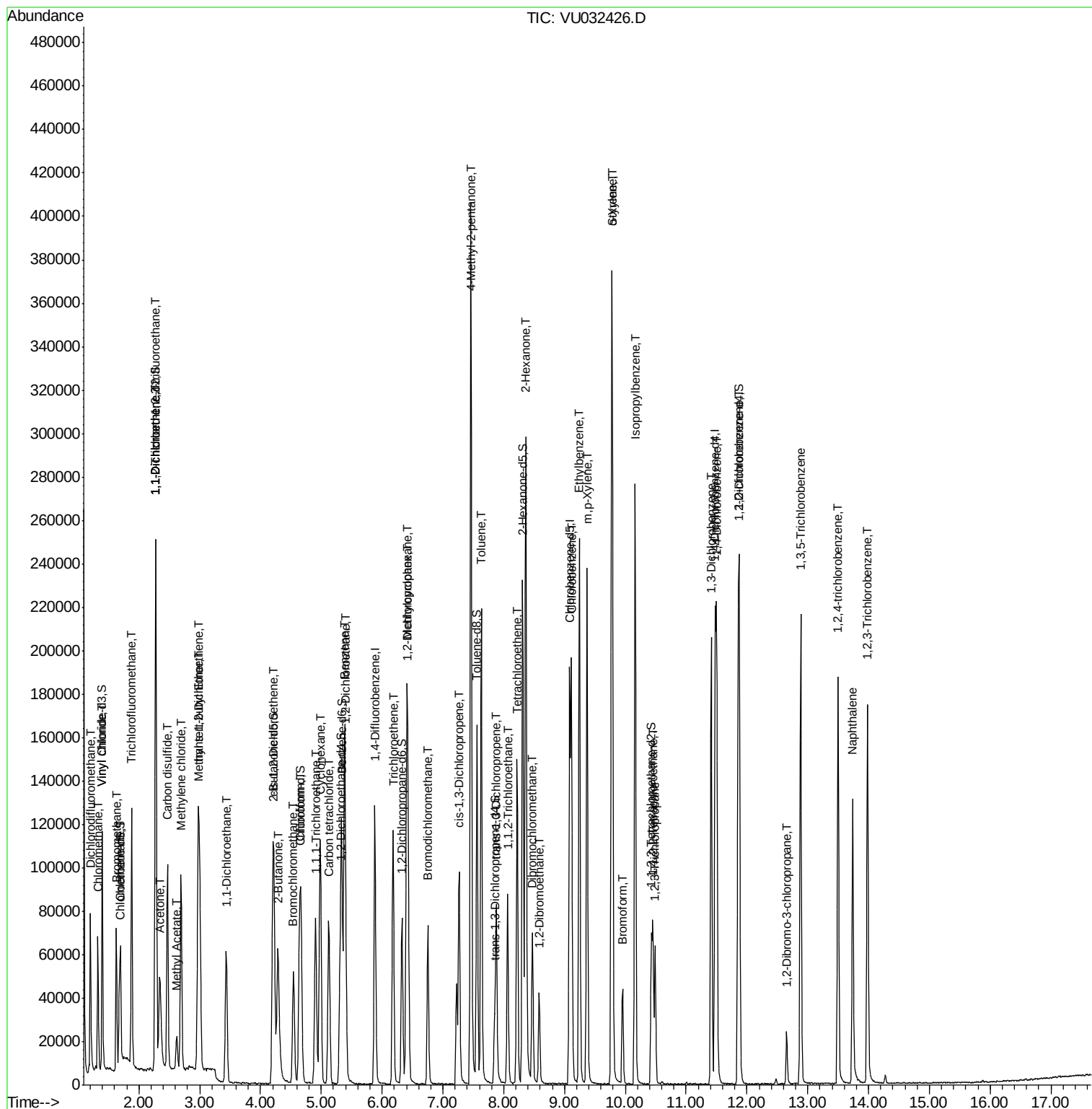
Quant Time: Jun 04 23:08:22 2019

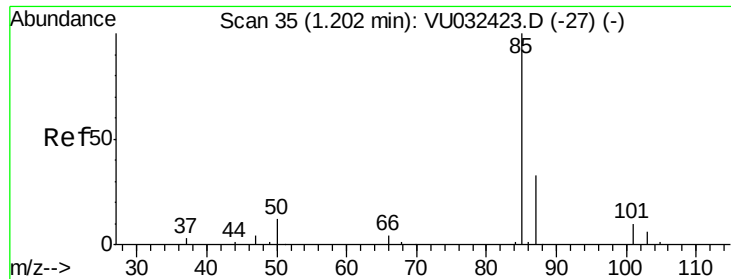
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR060419WMA.M

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QLast Update : Tue Jun 04 22:54:09 2019

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#2

Dichlorodifluoromethane

Concen: 4.772 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

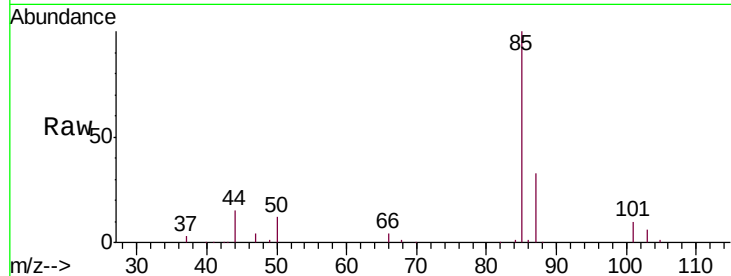
VICV14

Tgt Ion: 85 Resp: 44216

Ion Ratio Lower Upper

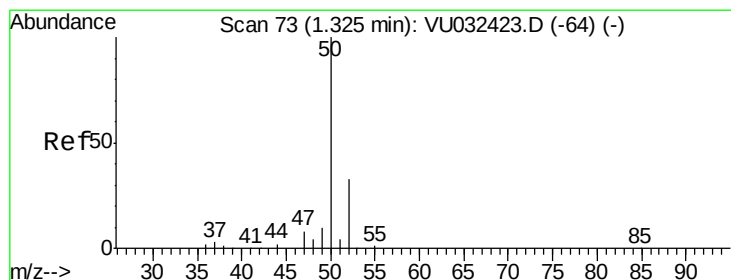
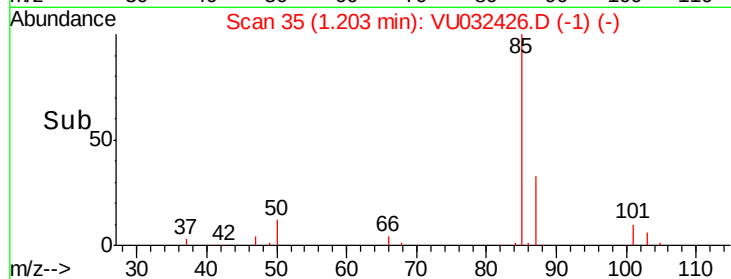
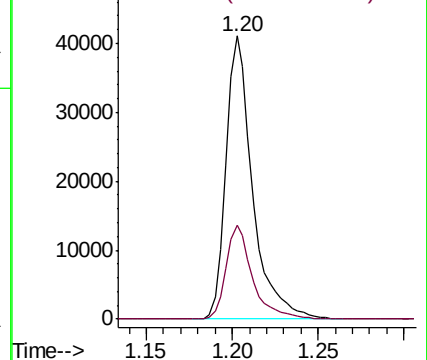
85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.706 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032426.D

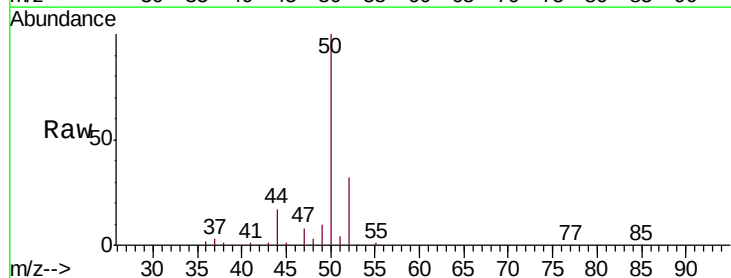
Acq: 04 Jun 2019 14:29

Tgt Ion: 50 Resp: 45230

Ion Ratio Lower Upper

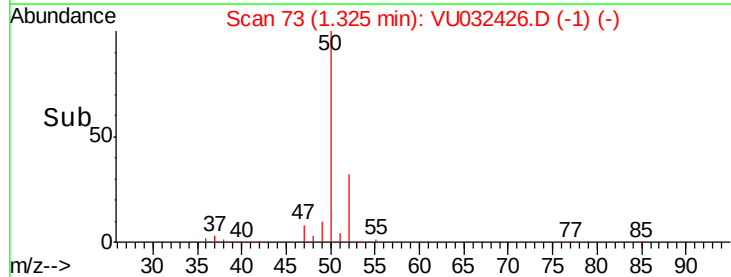
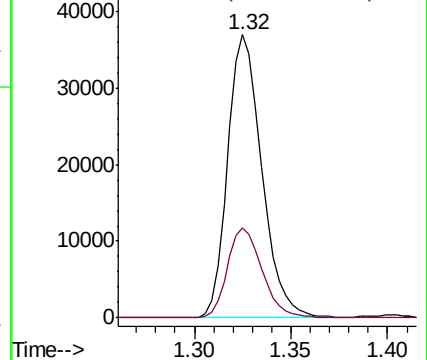
50 100

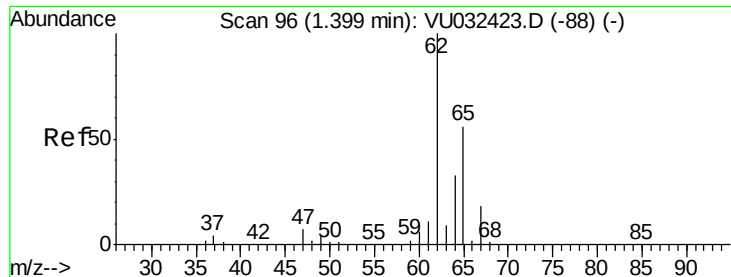
52 31.7 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.899 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

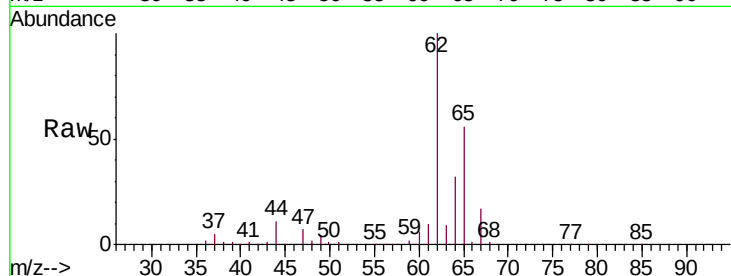
VICV14

Tgt Ion: 62 Resp: 46275

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032426.D (-3) (-)

Ion 64.10 (63.80 to 64.80): VU032426.D (-3) (-)

1.40

40000

30000

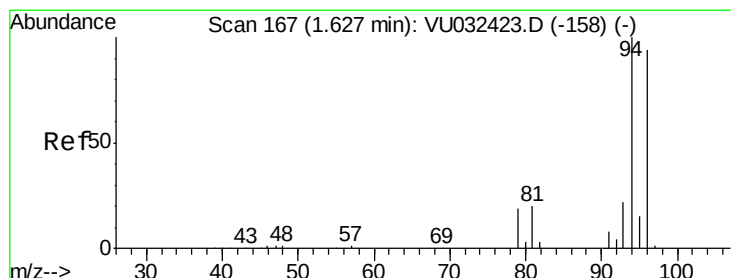
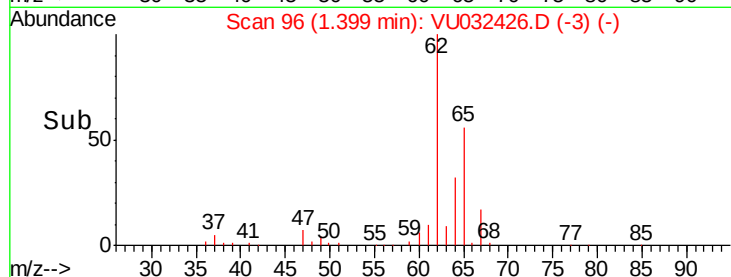
20000

10000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 4.903 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032426.D

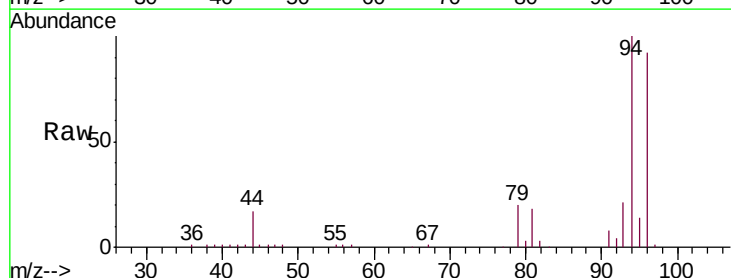
Acq: 04 Jun 2019 14:29

Tgt Ion: 94 Resp: 28252

Ion Ratio Lower Upper

94 100

96 92.5 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032426.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU032426.D (-74) (-)

1.63

25000

20000

15000

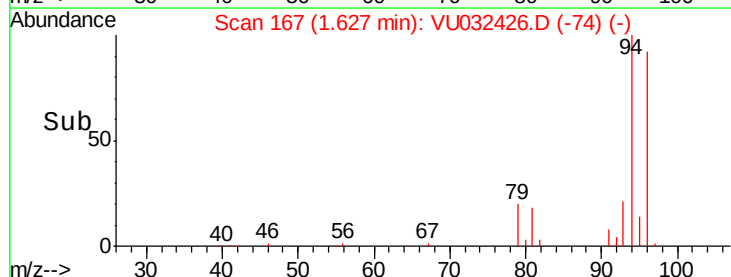
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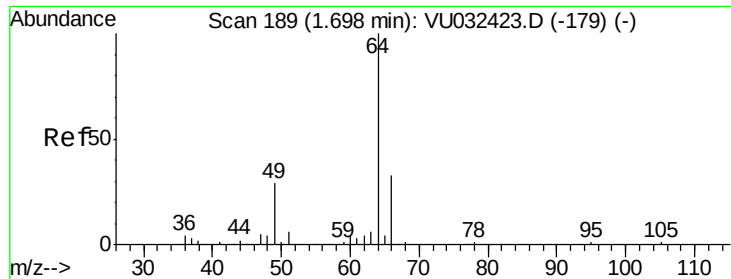
5000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 4.666 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

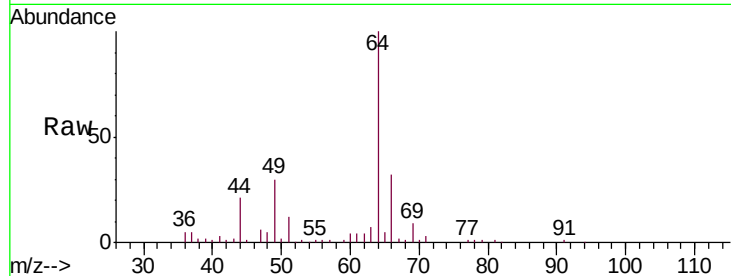
VICV14

Tgt Ion: 64 Resp: 28158

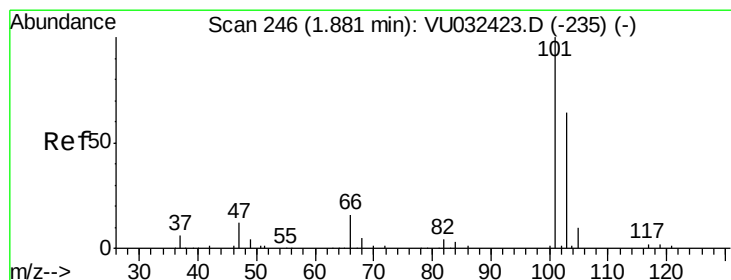
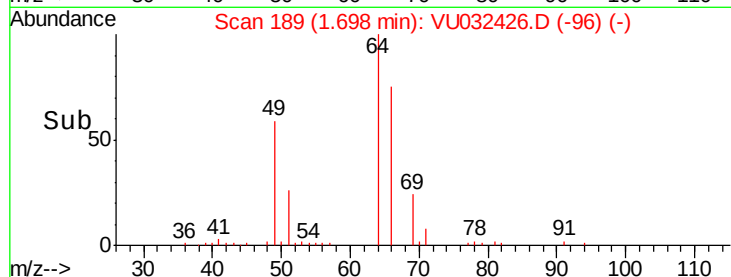
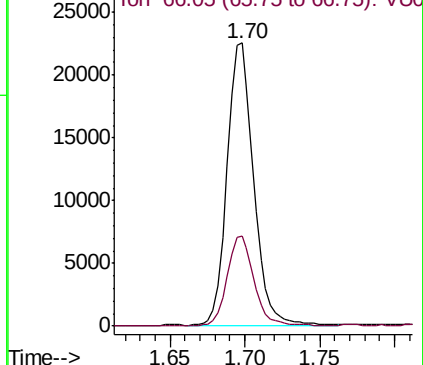
Ion Ratio Lower Upper

64 100

66 32.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032423.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.979 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032426.D

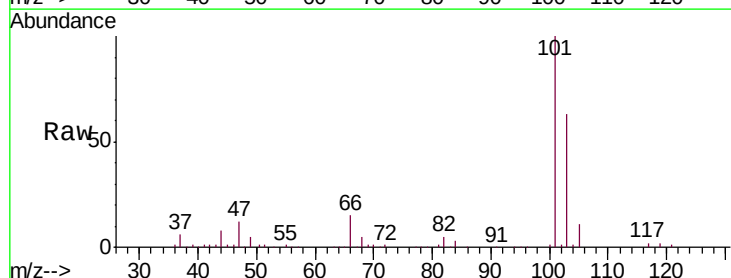
Acq: 04 Jun 2019 14:29

Tgt Ion: 101 Resp: 67310

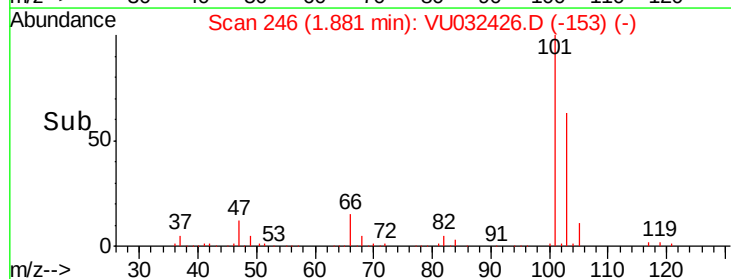
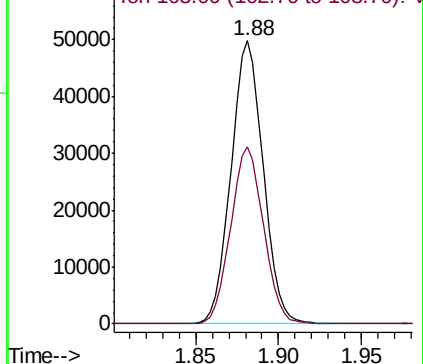
Ion Ratio Lower Upper

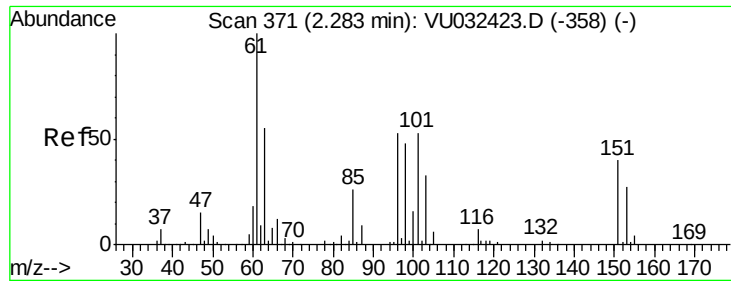
101 100

103 63.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032423.D (-235) (-)





#10

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

Concen: 4.745 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampled :

VICV14

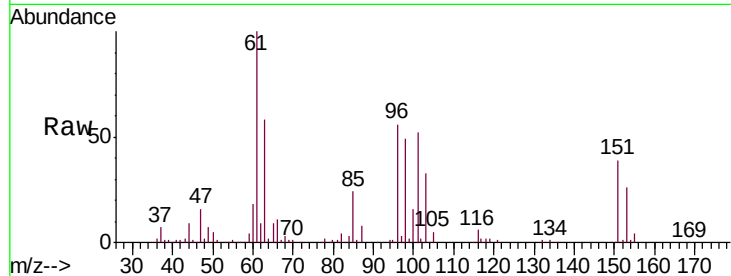
Tgt Ion: 101 Resp: 34106

Ion Ratio Lower Upper

101 100

85 46.6 38.9 58.3

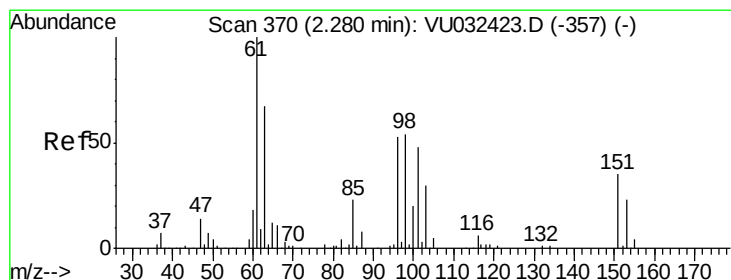
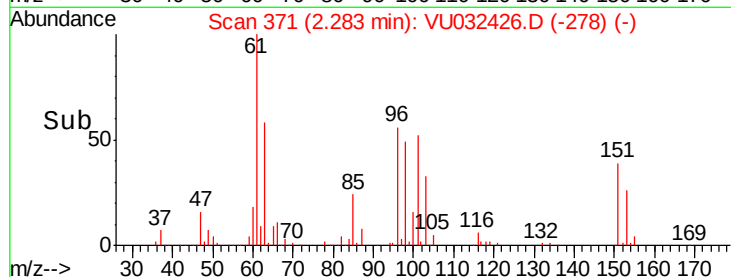
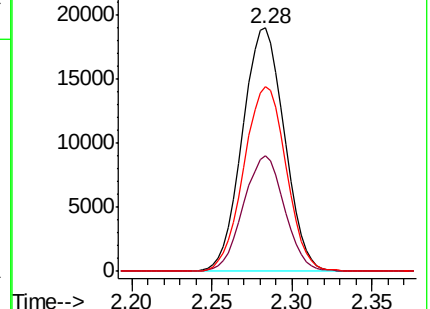
151 76.9 61.0 91.4



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: 4.789 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

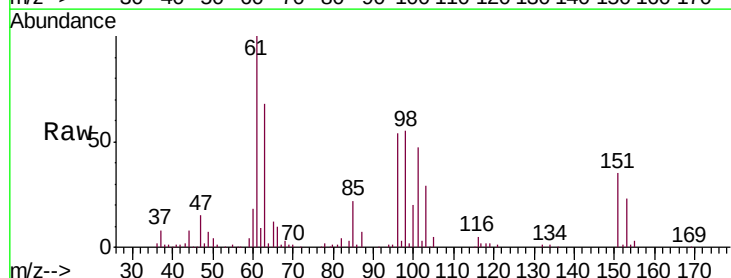
Tgt Ion: 96 Resp: 32856

Ion Ratio Lower Upper

96 100

61 185.1 131.8 244.8

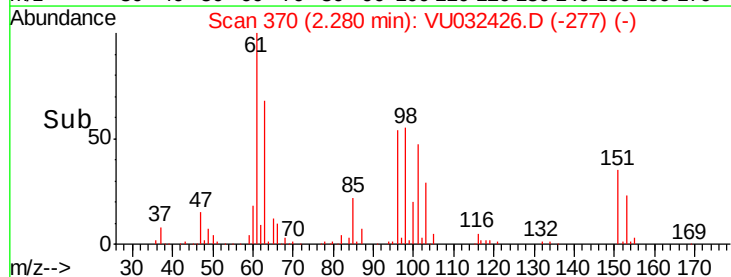
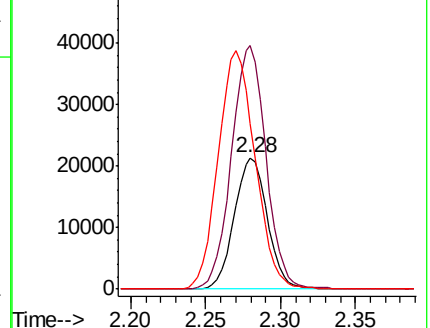
63 126.1 90.1 167.3

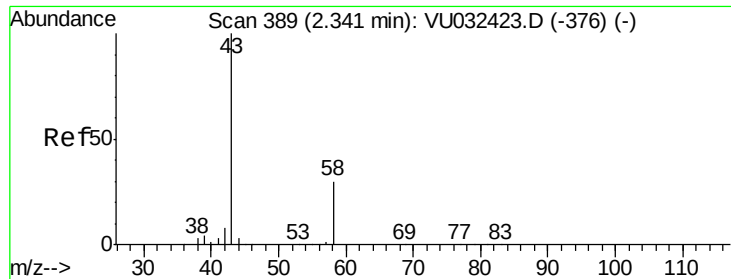


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.422 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

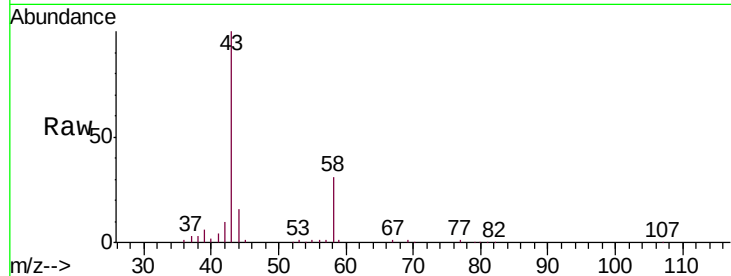
VICV14

Tgt Ion: 43 Resp: 73645

Ion Ratio Lower Upper

43 100

58 31.0 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032423.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU032423.D (-376) (-)

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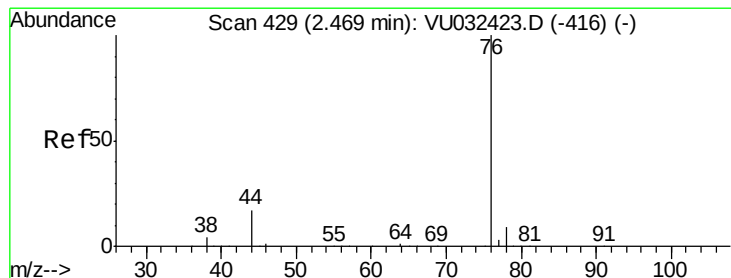
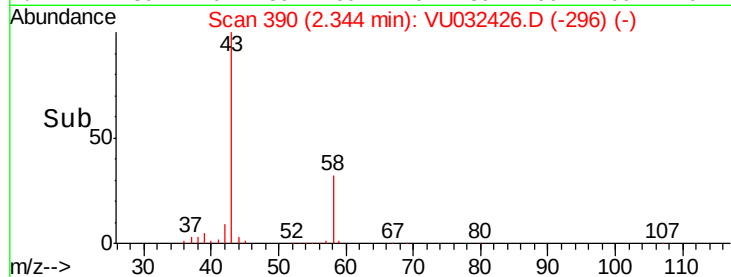
2.34

2.34

2.34

2.34

2.34



#14

Carbon disulfide

Concen: 4.837 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032426.D

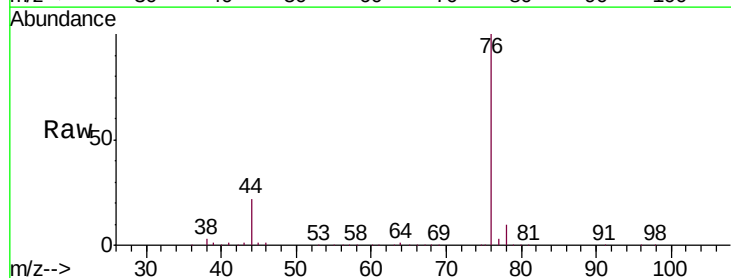
Acq: 04 Jun 2019 14:29

Tgt Ion: 76 Resp: 106279

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032423.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032423.D (-416) (-)

2.47

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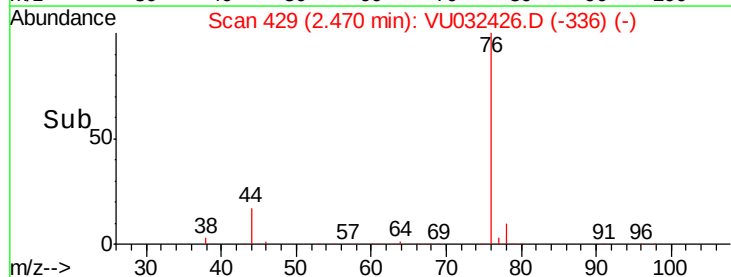
2.47

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Abundance Ion 76.05 (75.75 to 76.75): VU032426.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU032426.D (-336) (-)

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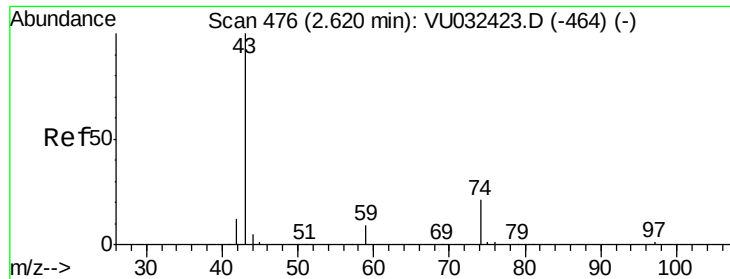
2.47

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2.47

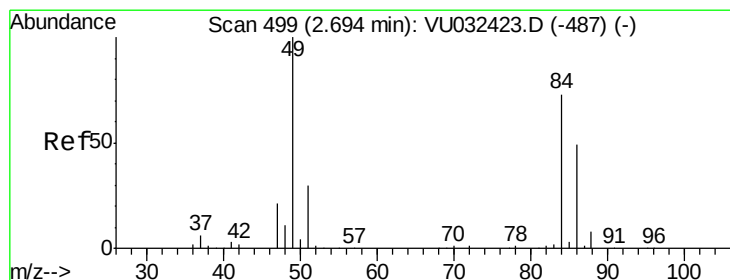
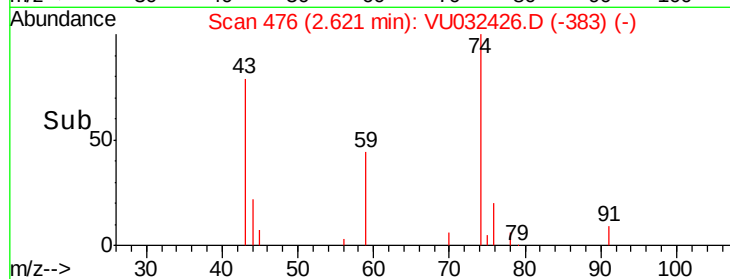
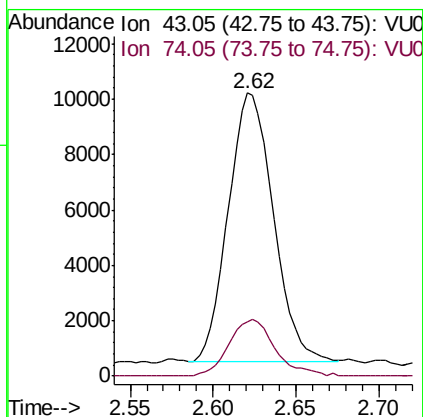
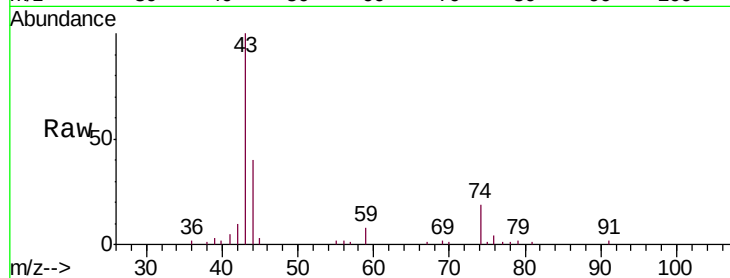
2.47



#15
Methyl Acetate
Concen: 4.412 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

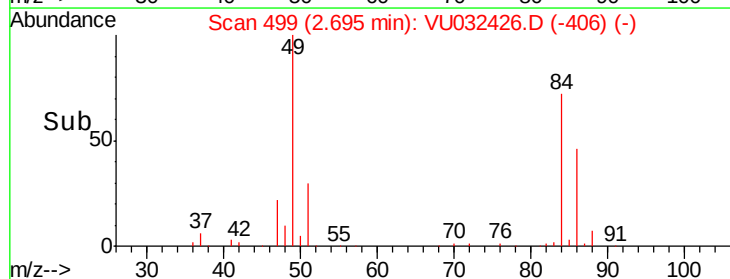
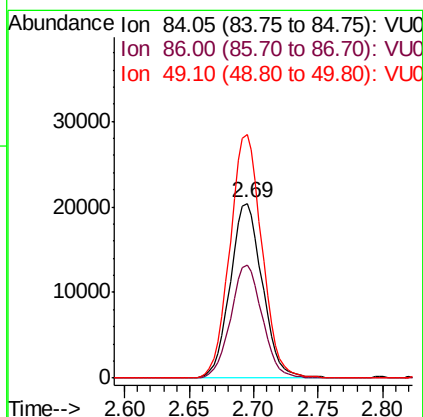
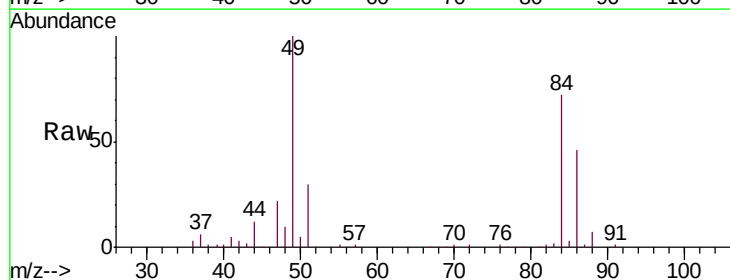
Instrument :
MSVOA_U
ClientSampled :
VICV14

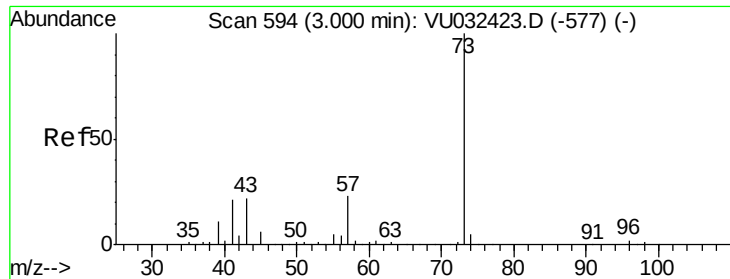
Tgt Ion: 43 Resp: 18411
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8



#16
Methylene chloride
Concen: 4.658 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion: 84 Resp: 35447
Ion Ratio Lower Upper
84 100
86 64.6 47.2 87.6
49 139.2 95.9 178.1

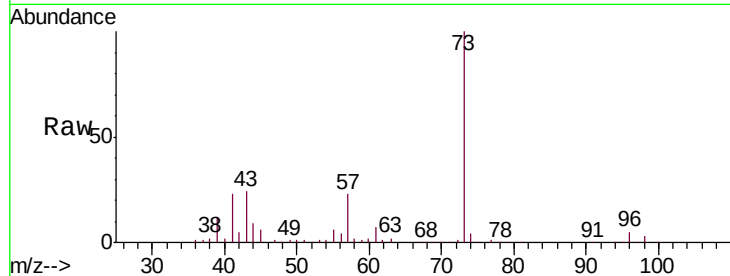




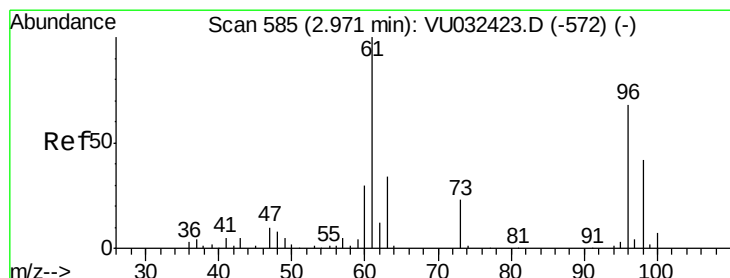
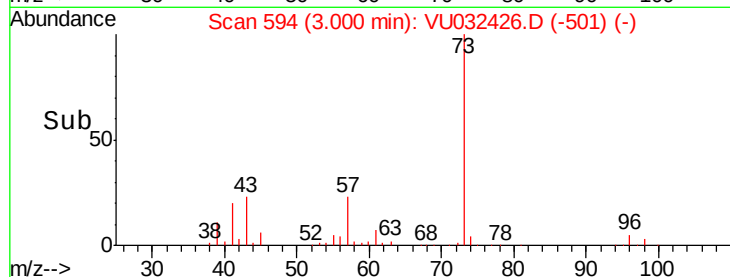
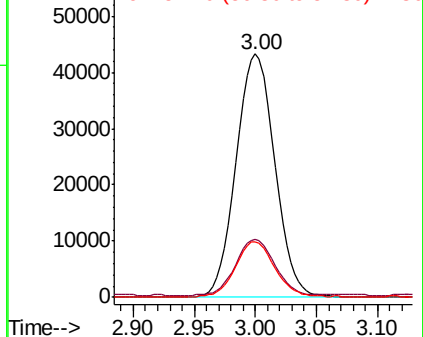
#17
Methyl tert-butyl Ether
Concen: 4.746 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Instrument :
MSVOA_U
ClientSampleId :
VICV14

Tgt Ion: 73 Resp: 95234
Ion Ratio Lower Upper
73 100
43 23.0 18.6 27.8
57 22.7 18.3 27.5

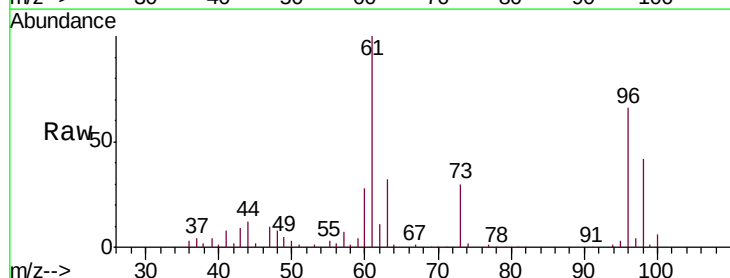


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

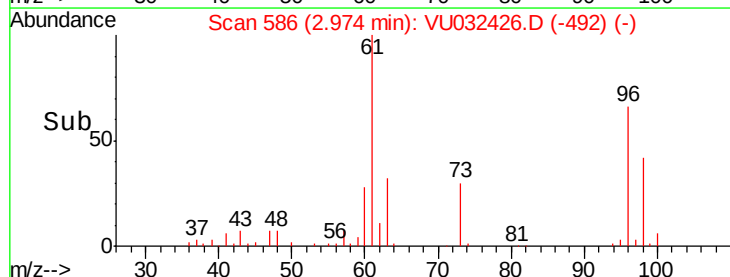
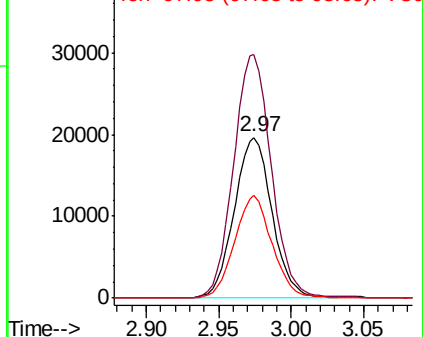


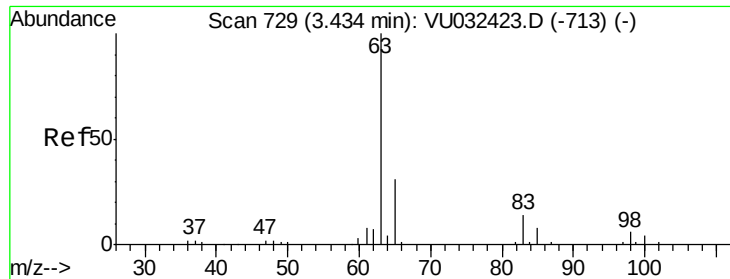
#18
trans-1,2-Dichloroethene
Concen: 4.808 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion: 96 Resp: 35593
Ion Ratio Lower Upper
96 100
61 151.4 103.1 191.5
98 64.0 43.7 81.1



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

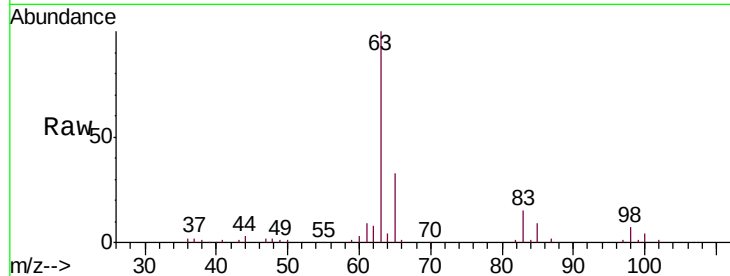




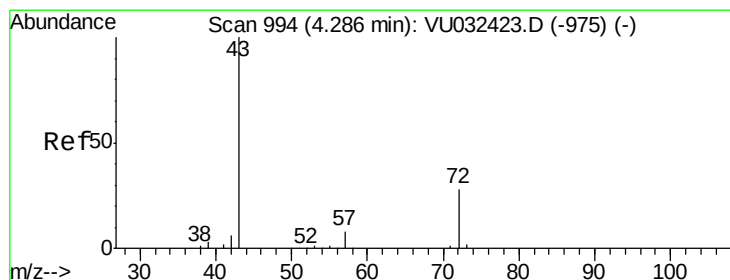
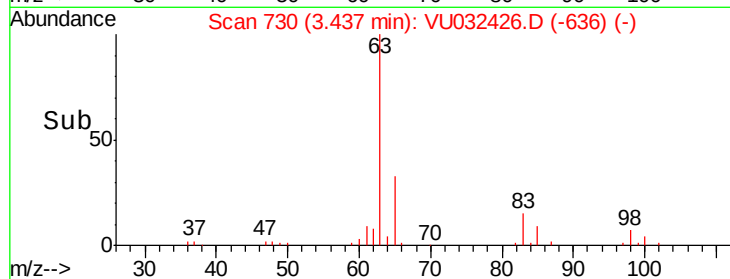
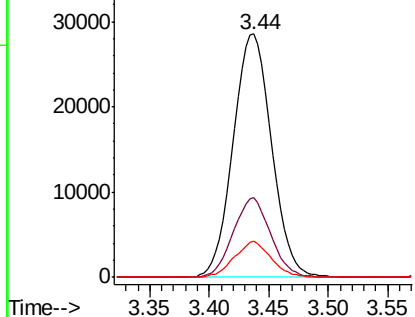
#19
 1,1-Dichloroethane
 Concen: 4.830 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

Tgt Ion: 63 Resp: 64009
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.3 39.6
 83 14.8 10.1 18.7

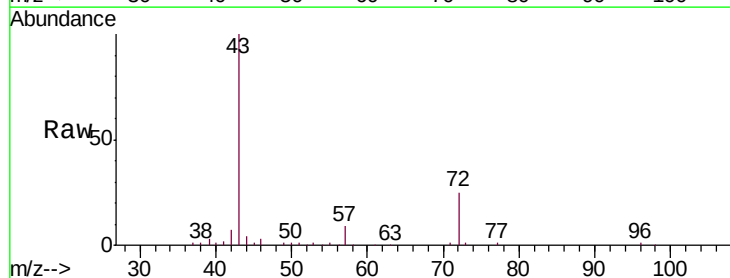


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

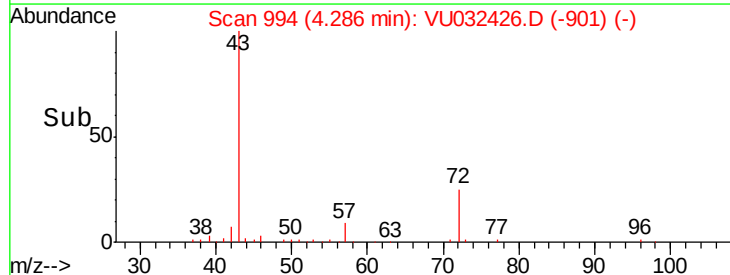
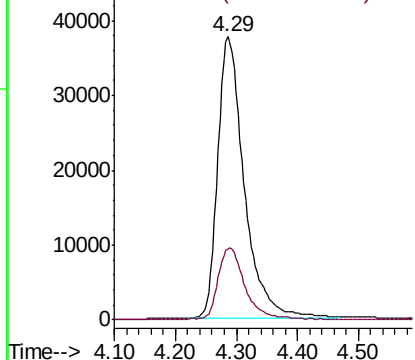


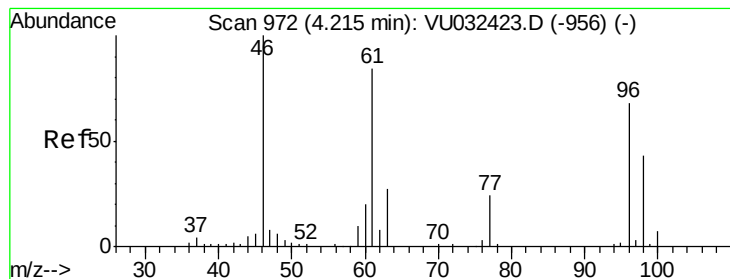
#21
 2-Butanone
 Concen: 51.732 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion: 43 Resp: 114432
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



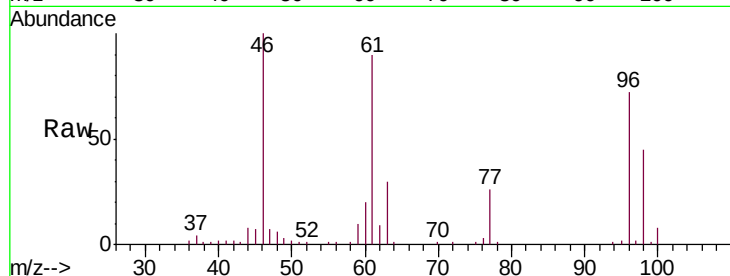


#22

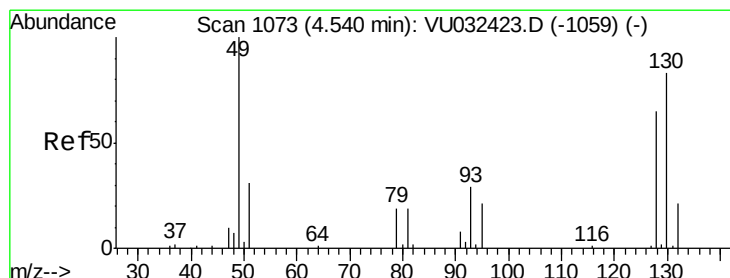
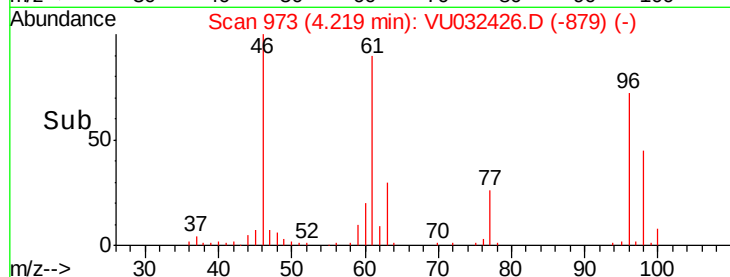
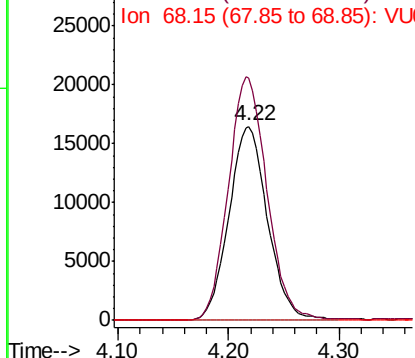
cis-1,2-Dichloroethene
Concen: 4.774 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Instrument :
MSVOA_U
ClientSampled :
VICV14

Tgt Ion: 96 Resp: 39999
Ion Ratio Lower Upper
96 100
61 124.7 86.6 160.8
68 0.0 0.0 0.0



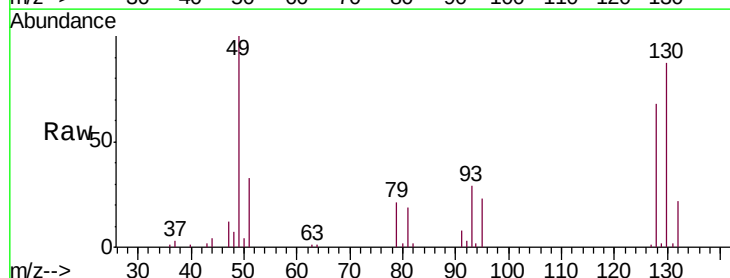
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



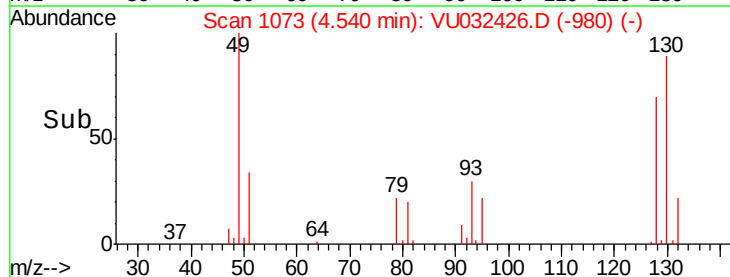
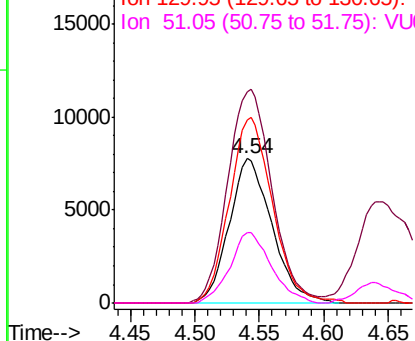
#23

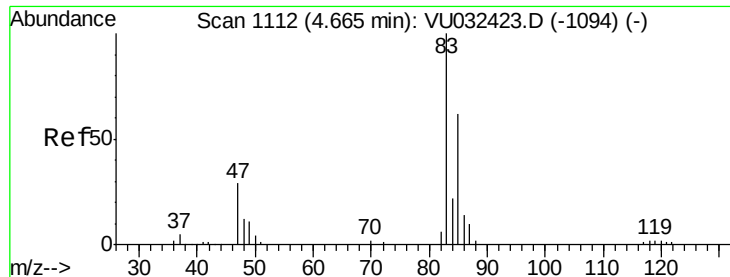
Bromochloromethane
Concen: 4.982 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion: 128 Resp: 17965
Ion Ratio Lower Upper
128 100
49 146.0 107.8 200.2
130 126.7 89.3 165.9
51 48.7 38.2 57.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

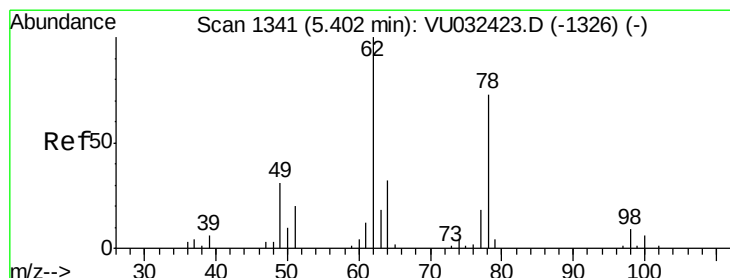
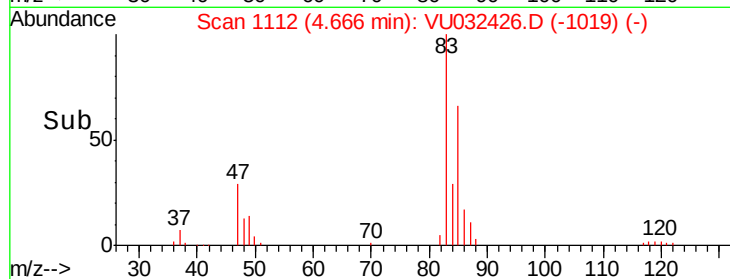
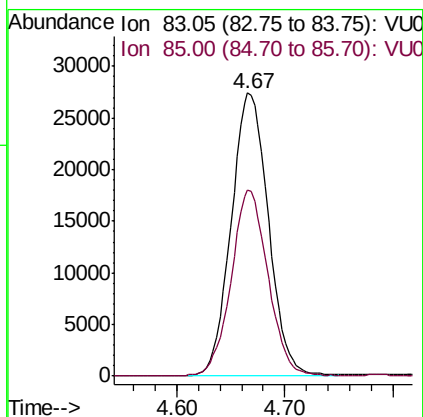
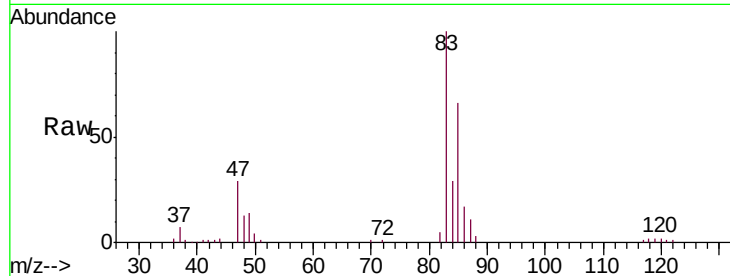




#25
Chloroform
Concen: 4.871 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

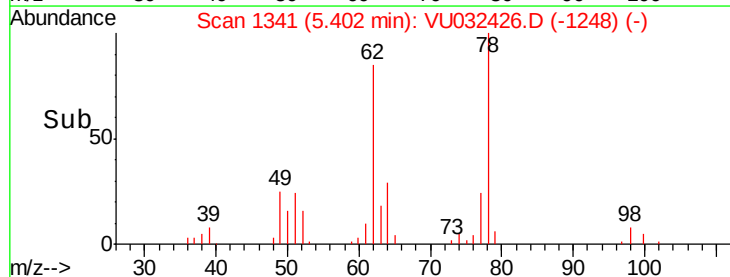
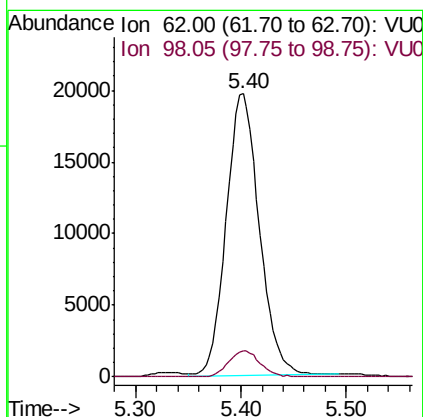
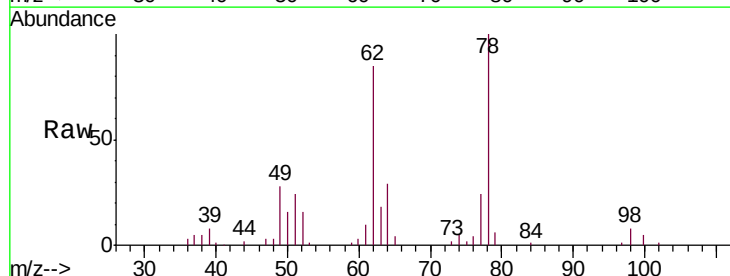
Instrument :
MSVOA_U
ClientSampleId :
VICV14

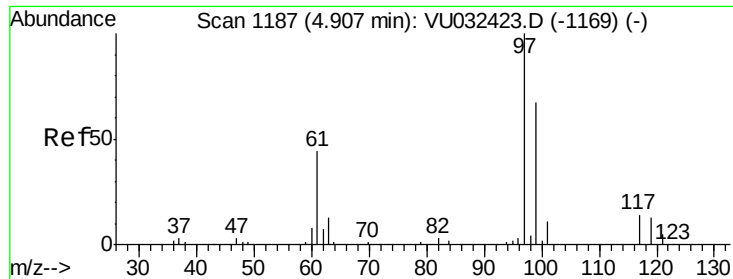
Tgt Ion: 83 Resp: 65943
Ion Ratio Lower Upper
83 100
85 65.8 43.8 81.3



#27
1,2-Dichloroethane
Concen: 4.815 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion: 62 Resp: 42842
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.761 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

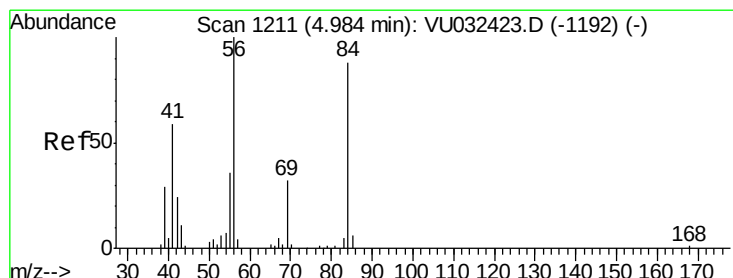
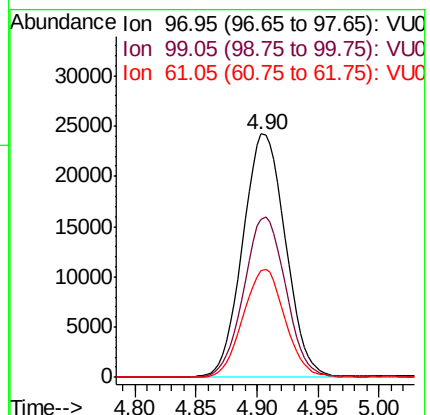
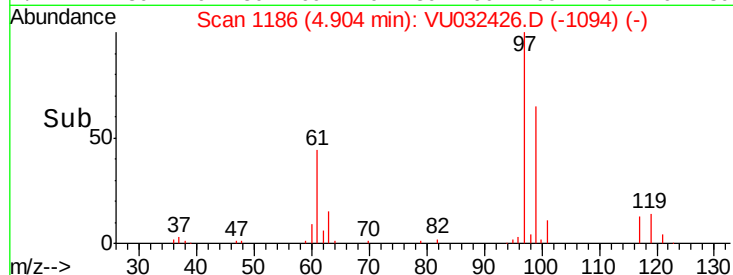
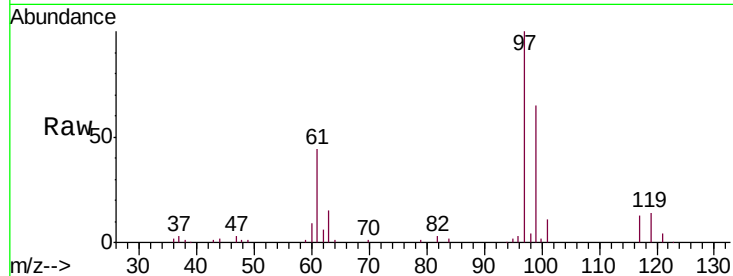
Tgt Ion: 97 Resp: 58864

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 43.3 34.7 52.1



#30

Cyclohexane

Concen: 4.749 ug/L

RT: 4.98 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

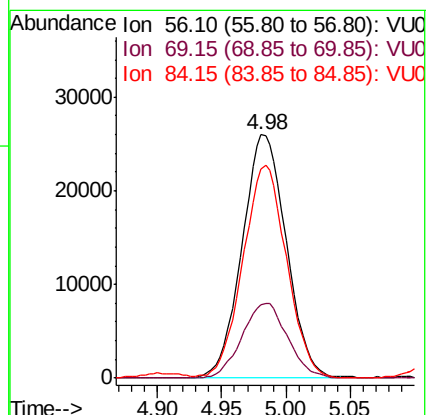
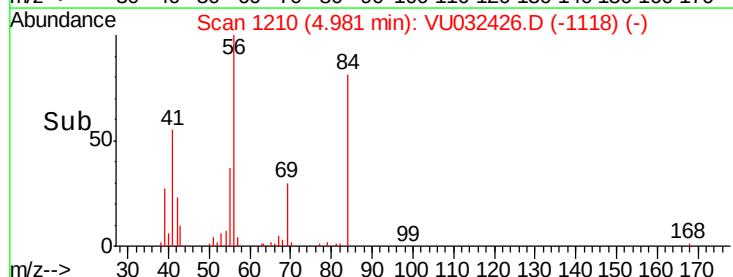
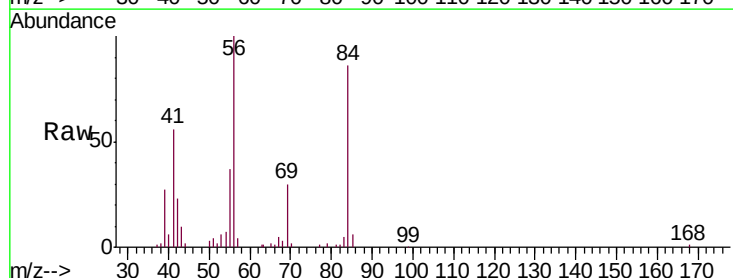
Tgt Ion: 56 Resp: 62059

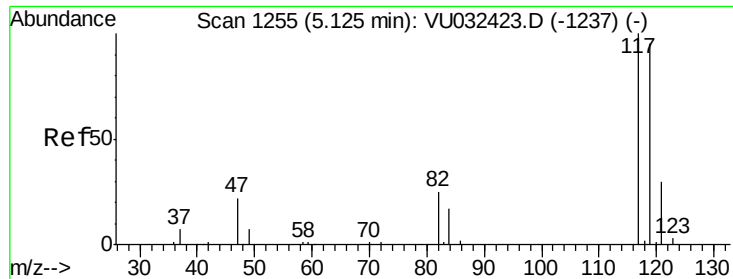
Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

84 86.6 70.2 105.2





#31

Carbon tetrachloride

Concen: 4.804 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

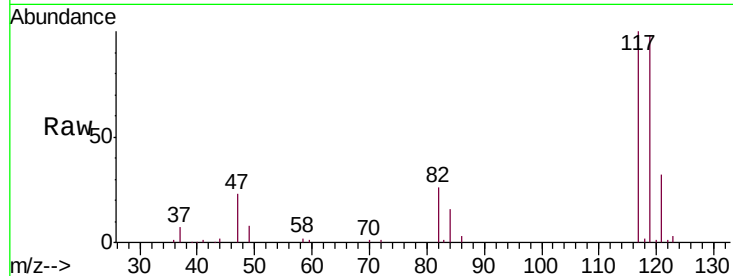
VICV14

Tgt Ion:117 Resp: 53999

Ion Ratio Lower Upper

117 100

119 96.9 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

25000

20000

15000

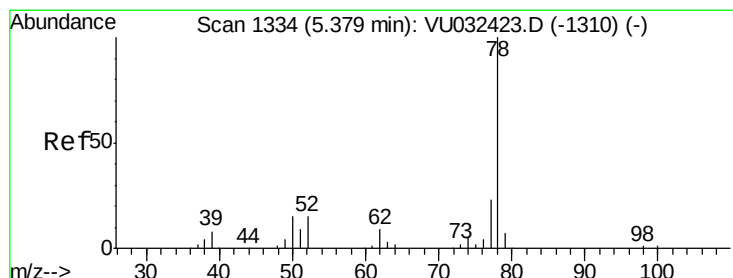
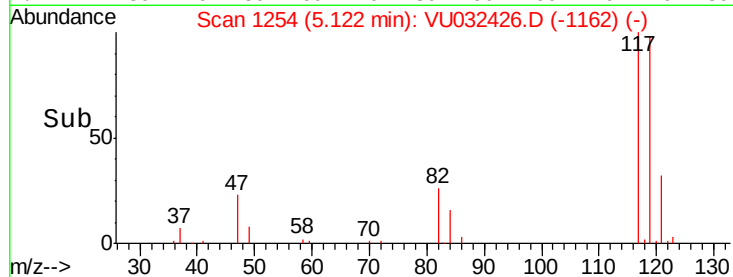
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.828 ug/L

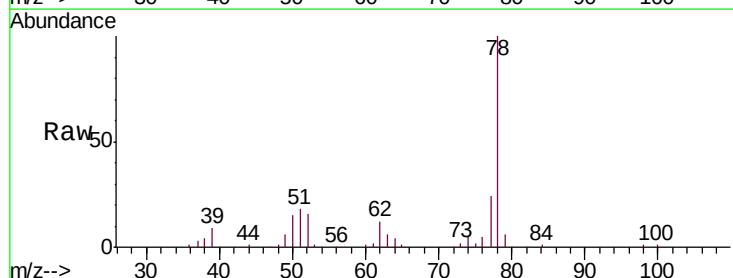
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Tgt Ion: 78 Resp: 144437



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

80000

60000

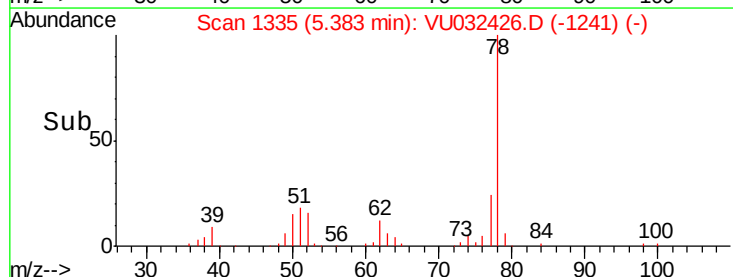
40000

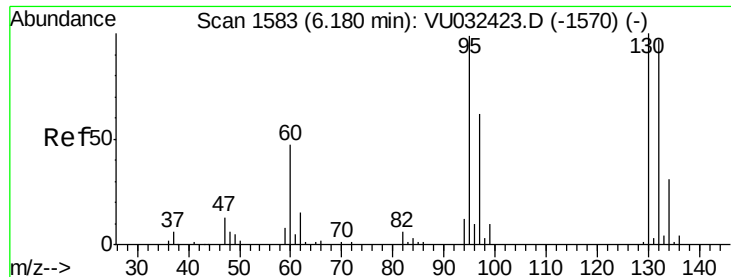
20000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.538 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

Tgt Ion: 95 Resp: 39051

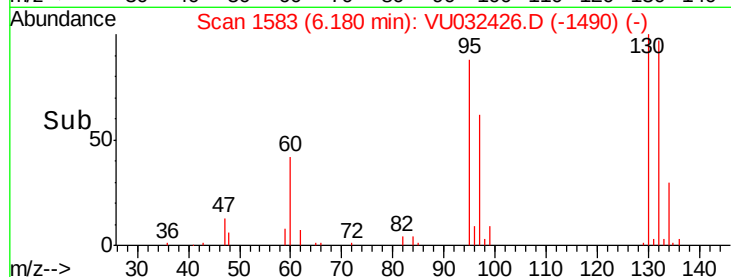
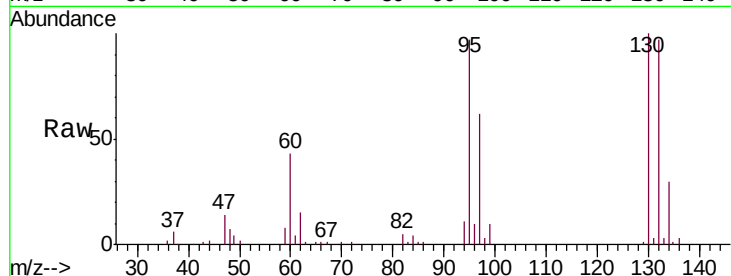
Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 100.5 68.8 127.8

130 103.6 71.0 131.8

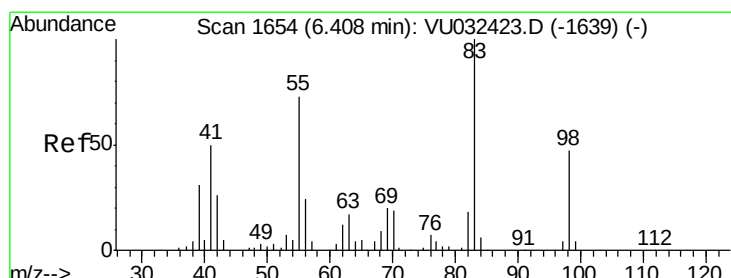
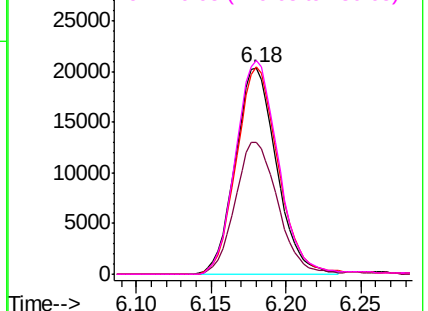


Abundance Ion 95.00 (94.70 to 95.70): VU032426.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032426.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032426.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032426.D (-1490) (-)



#35

Methylcyclohexane

Concen: 4.672 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

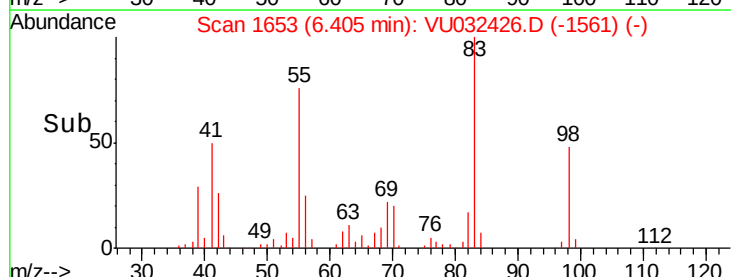
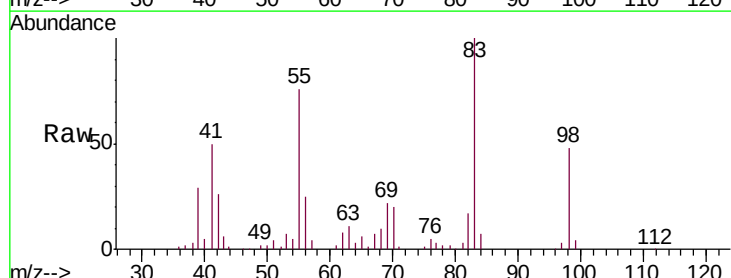
Tgt Ion: 83 Resp: 64650

Ion Ratio Lower Upper

83 100

55 77.0 60.0 90.0

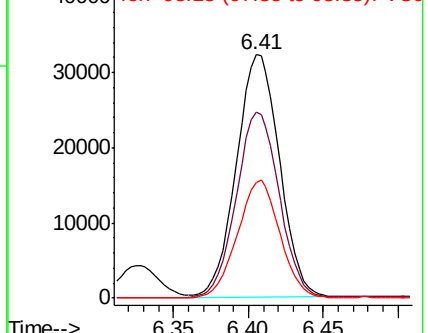
98 47.9 37.8 56.8

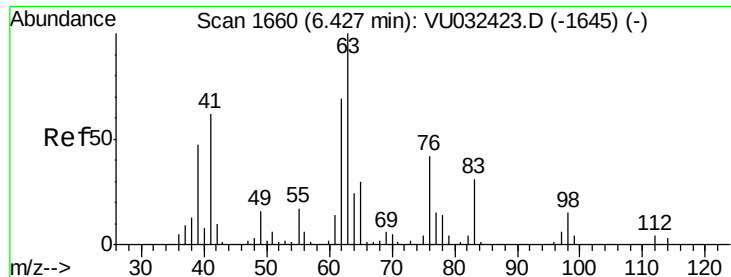


Abundance Ion 83.15 (82.85 to 83.85): VU032426.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032426.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032426.D (-1561) (-)

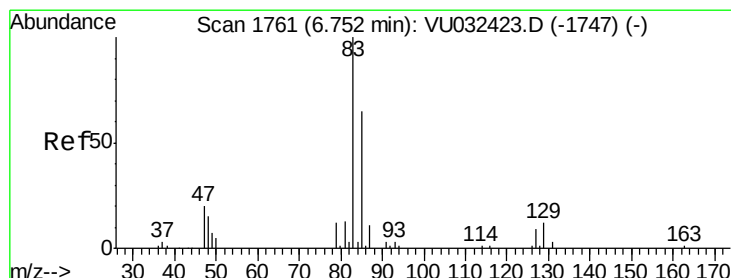
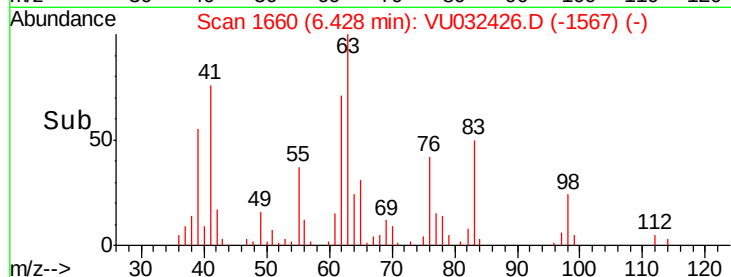
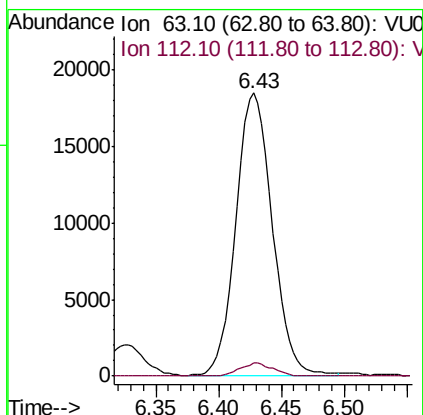
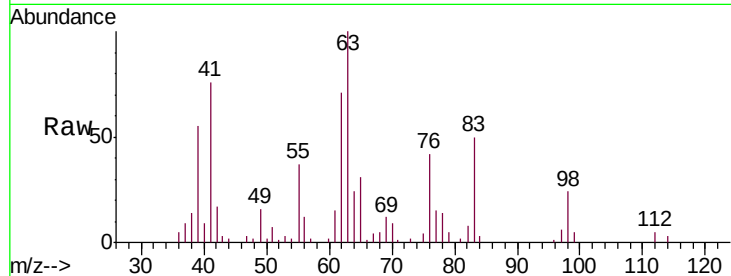




#37
 1,2-Dichloropropane
 Concen: 4.836 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

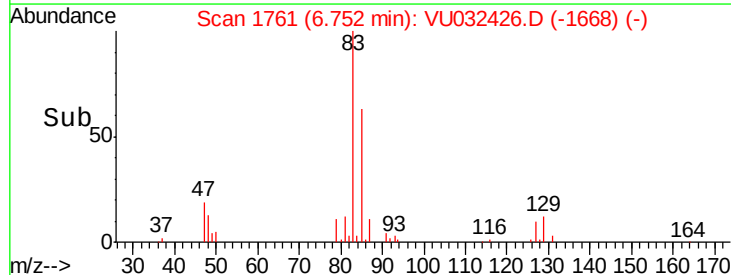
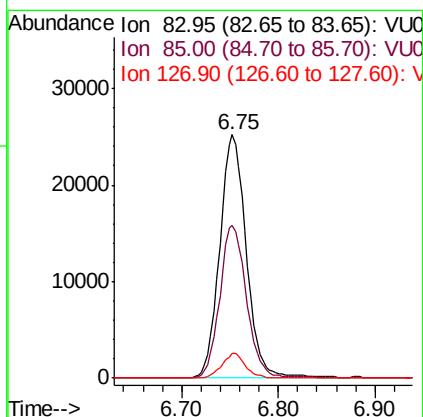
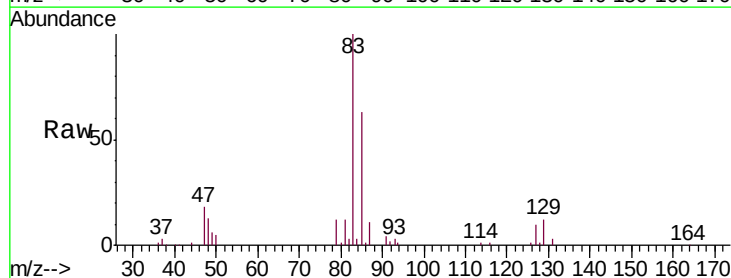
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

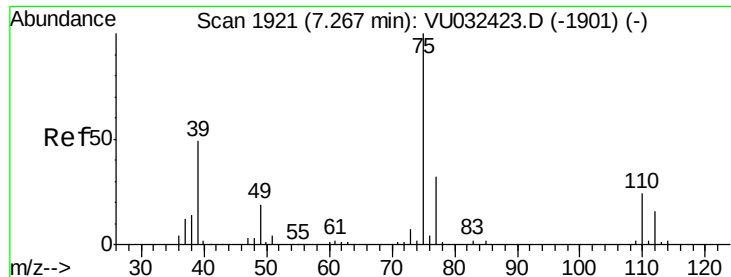
Tgt Ion: 63 Resp: 37433
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.849 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion: 83 Resp: 48235
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.2 84.0
 127 9.9 7.4 11.2

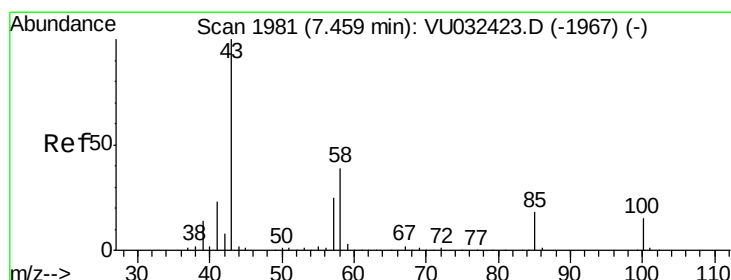
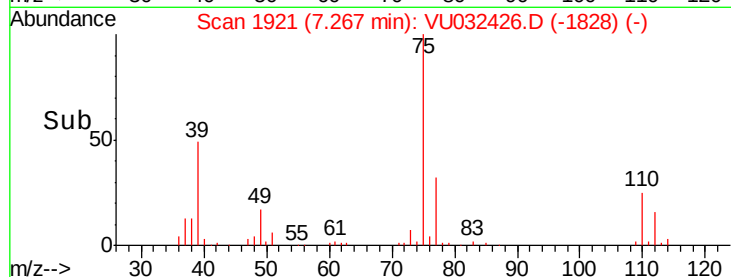
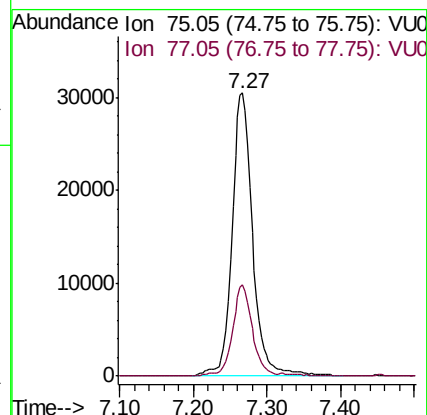
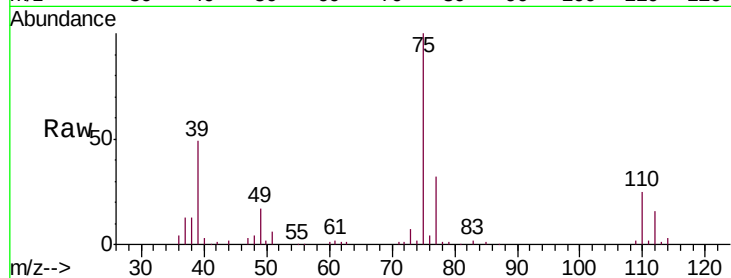




#39
 cis-1,3-Dichloropropene
 Concen: 4.960 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

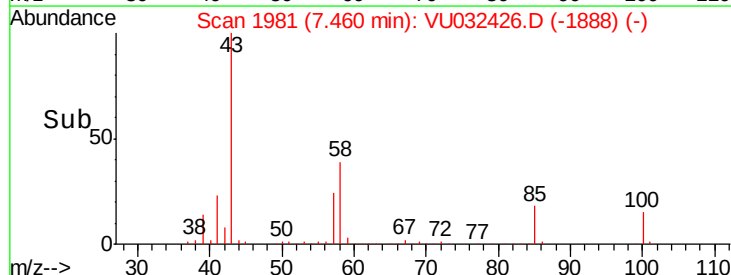
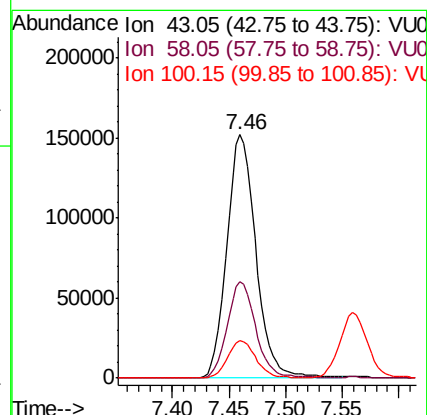
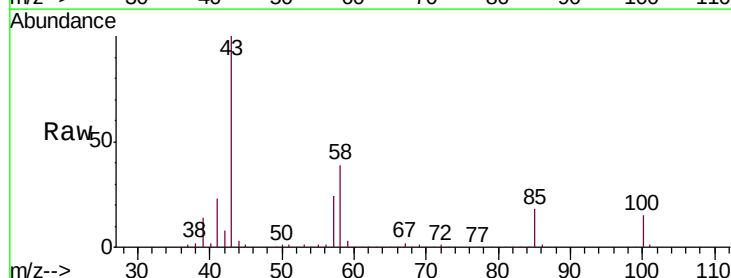
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

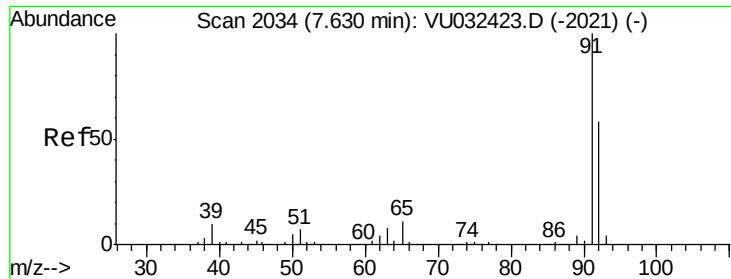
Tgt Ion: 75 Resp: 58942
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 49.483 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion: 43 Resp: 272542
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.9 46.3
 100 15.2 11.9 17.9





#42

Toluene

Concen: 4.813 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

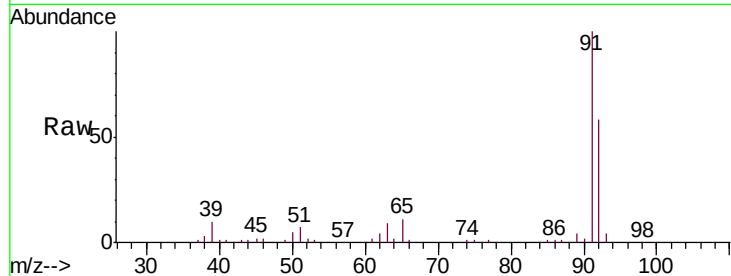
VICV14

Tgt Ion: 91 Resp: 160474

Ion Ratio Lower Upper

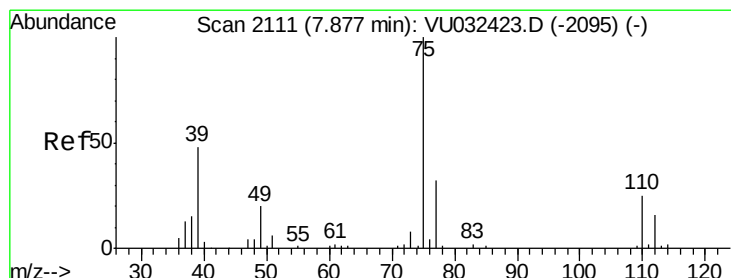
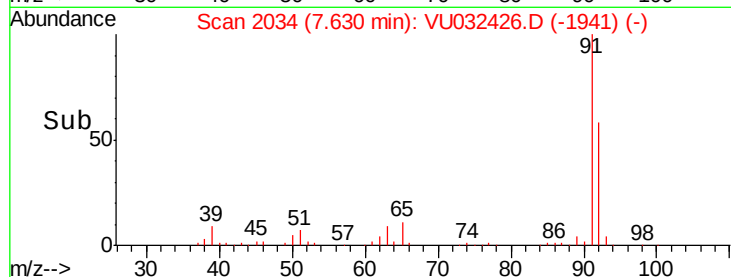
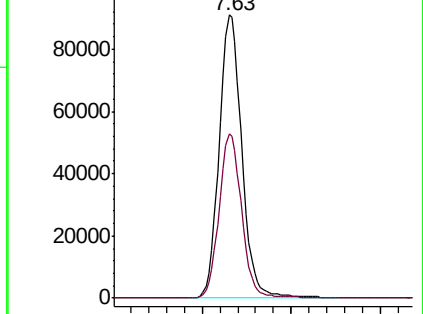
91 100

92 57.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.957 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032426.D

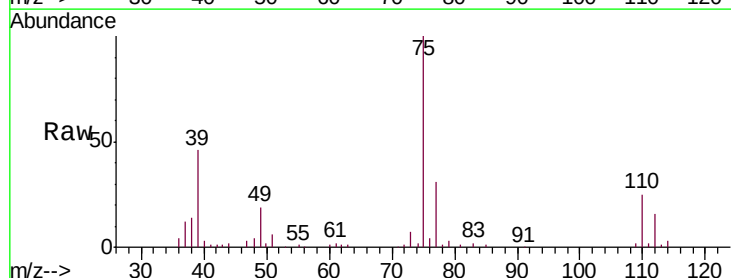
Acq: 04 Jun 2019 14:29

Tgt Ion: 75 Resp: 47025

Ion Ratio Lower Upper

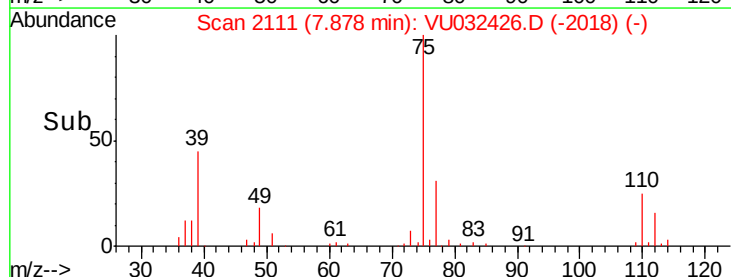
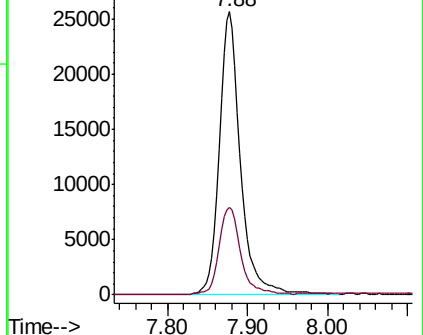
75 100

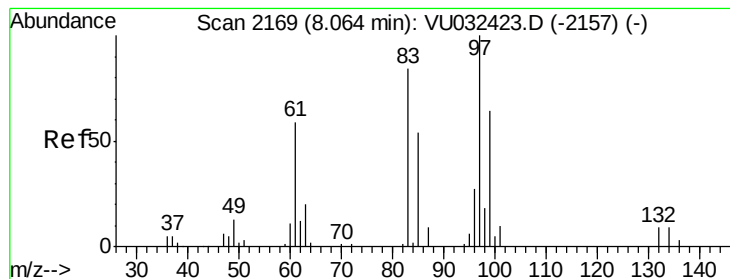
77 31.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-2095) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-2095) (-)





#45

1,1,2-Trichloroethane

Concen: 4.838 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

Tgt Ion: 97 Resp: 27242

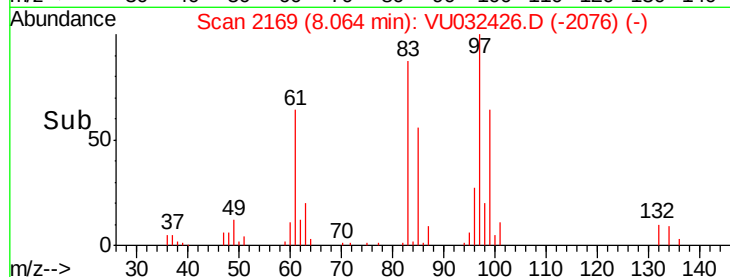
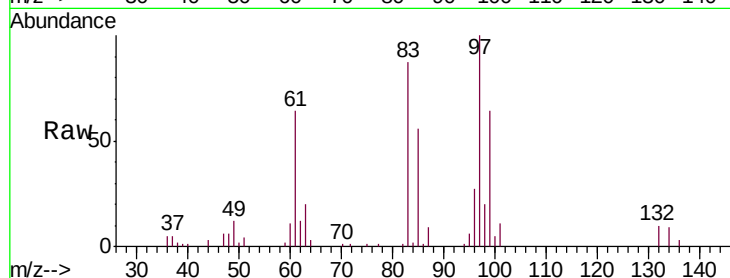
Ion Ratio Lower Upper

97 100

99 64.3 44.9 83.3

83 87.0 58.7 108.9

85 56.2 37.9 70.5

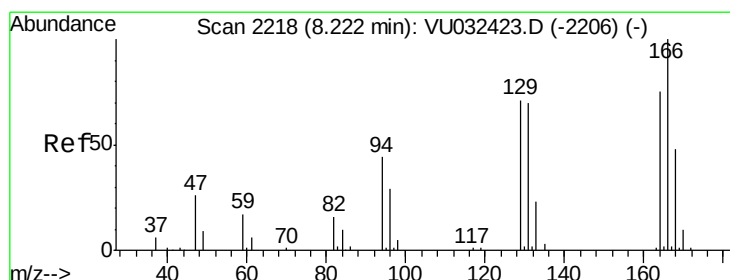
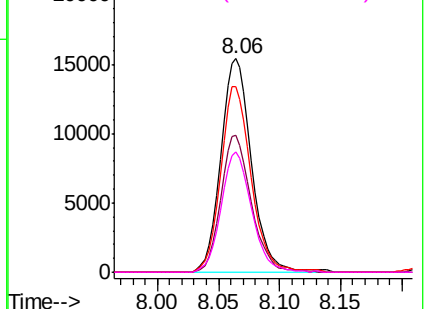


Abundance Ion 96.95 (96.65 to 97.65): VU032426.D (-2076) (-)

Ion 99.05 (98.75 to 99.75): VU032426.D (-2076) (-)

Ion 82.95 (82.65 to 83.65): VU032426.D (-2076) (-)

Ion 85.00 (84.70 to 85.70): VU032426.D (-2076) (-)



#47

Tetrachloroethene

Concen: 5.041 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Tgt Ion: 164 Resp: 34131

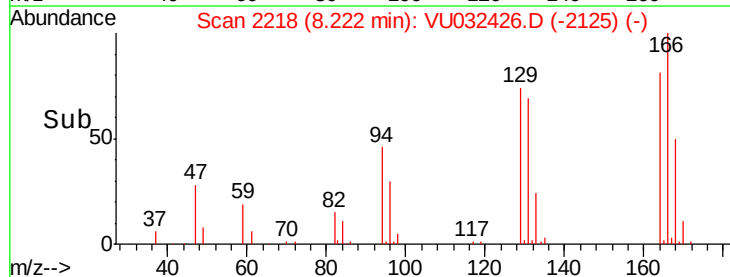
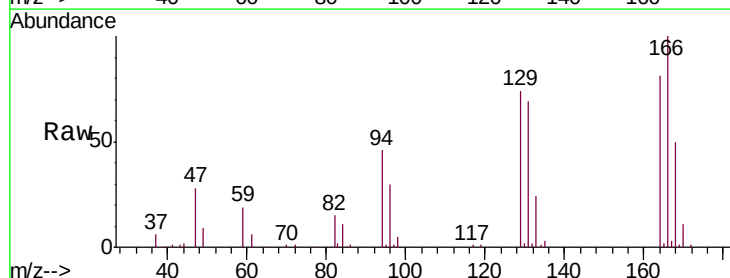
Ion Ratio Lower Upper

164 100

129 91.7 66.1 122.7

131 85.8 65.6 121.8

166 123.7 93.2 173.2

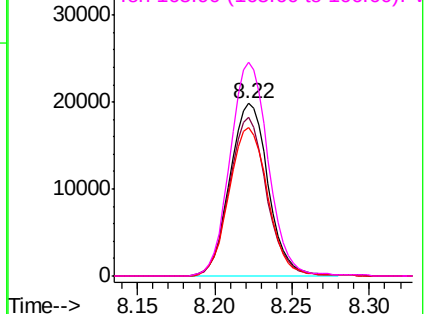


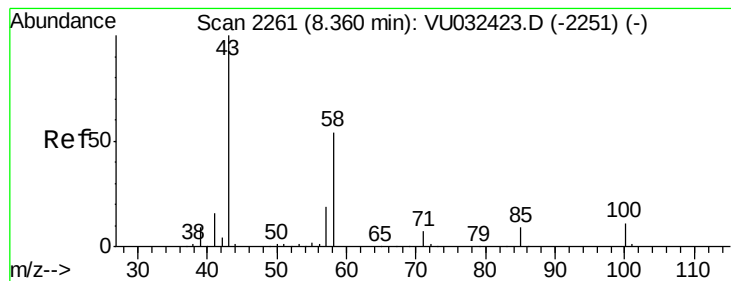
Abundance Ion 163.90 (163.60 to 164.60): VU032426.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU032426.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU032426.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU032426.D (-2125) (-)





#48

2-Hexanone

Concen: 49.886 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

Tgt Ion: 43 Resp: 196351

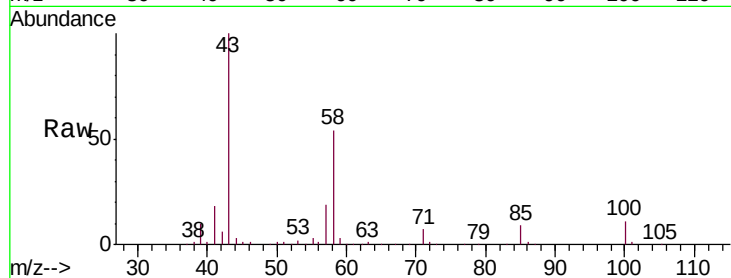
Ion Ratio Lower Upper

43 100

58 54.3 41.9 62.9

57 18.8 15.1 22.7

100 11.6 9.0 13.6

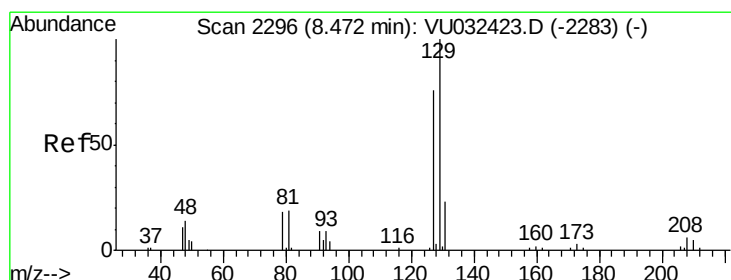
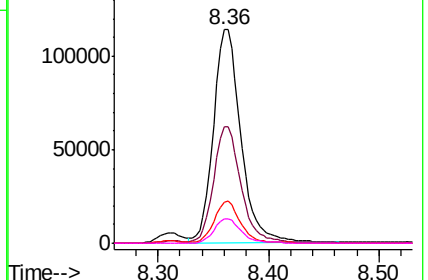
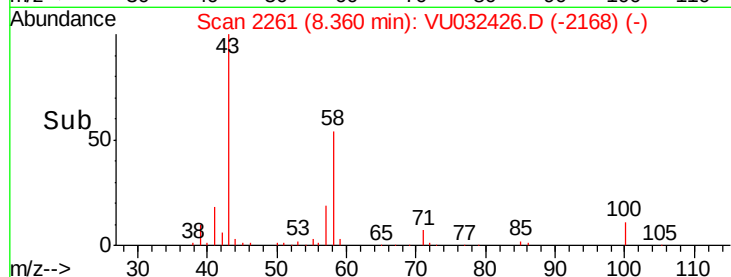


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 4.864 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032426.D

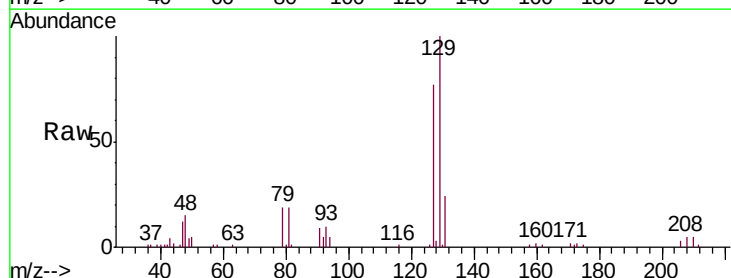
Acq: 04 Jun 2019 14:29

Tgt Ion: 129 Resp: 35035

Ion Ratio Lower Upper

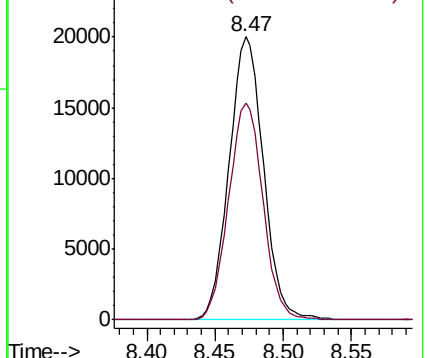
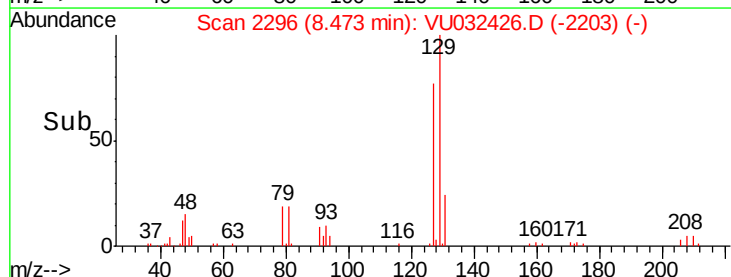
129 100

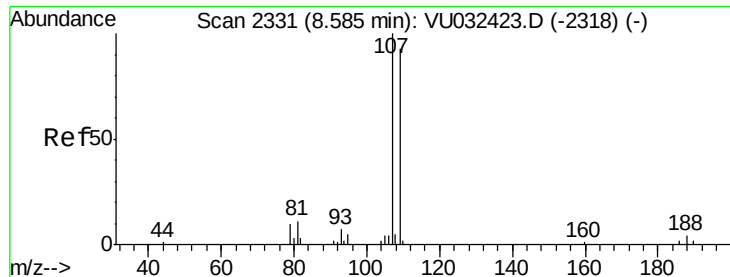
127 76.6 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

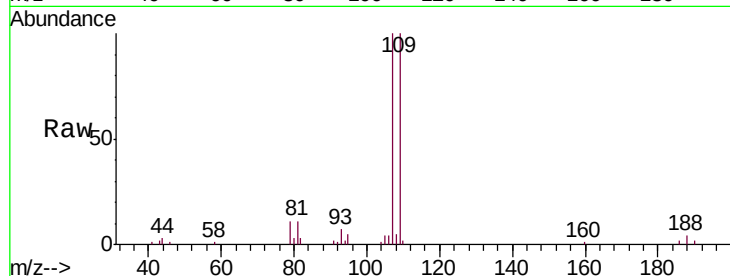




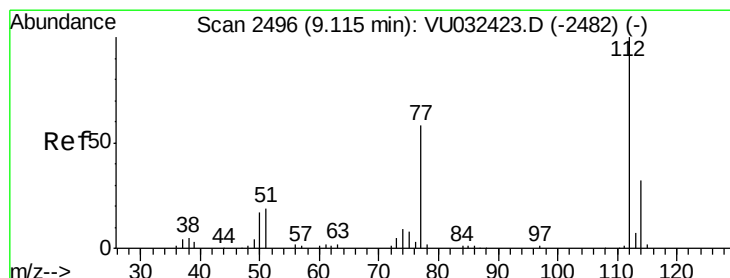
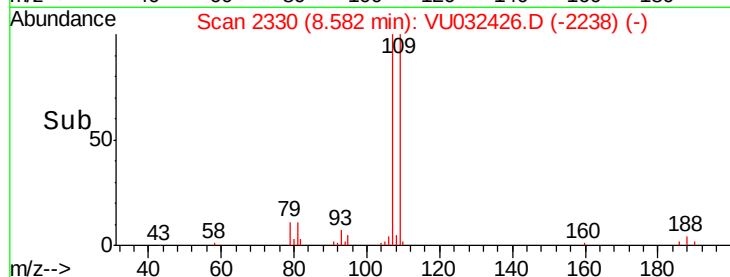
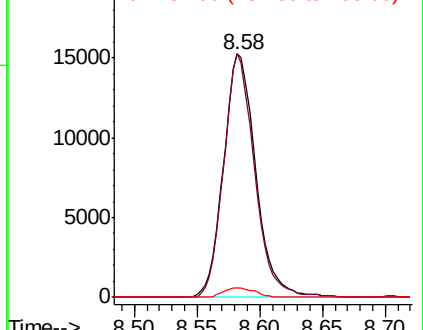
#50
1,2-Dibromoethane
Concen: 4.844 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Instrument :
MSVOA_U
ClientSampleId :
VICV14

Tgt Ion:107 Resp: 27181
Ion Ratio Lower Upper
107 100
109 100.0 65.2 121.0
188 4.1 3.1 4.7

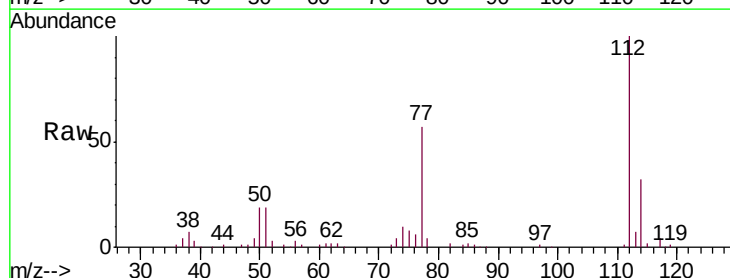


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

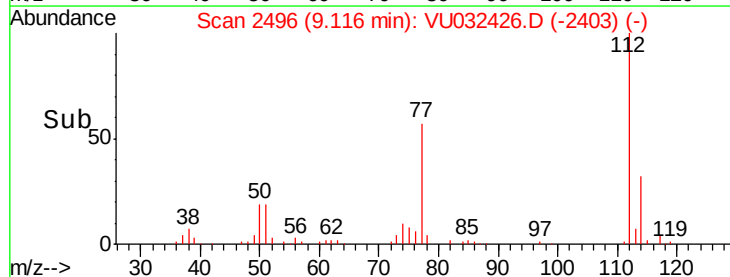
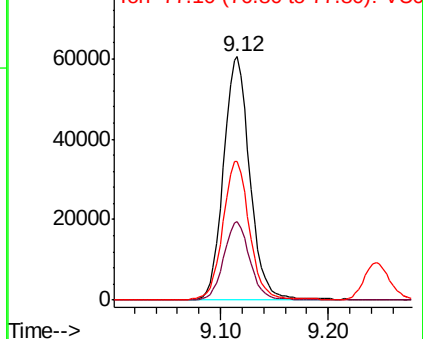


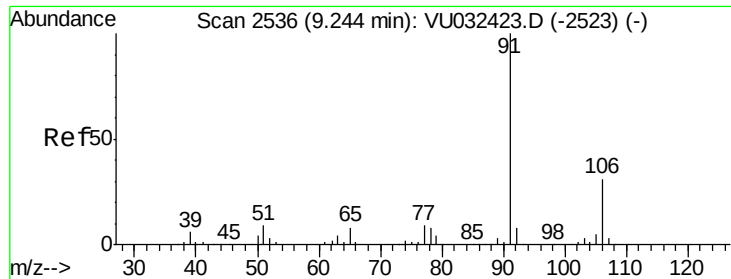
#51
Chlorobenzene
Concen: 4.922 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion:112 Resp: 102889
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 56.9 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.823 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampled :

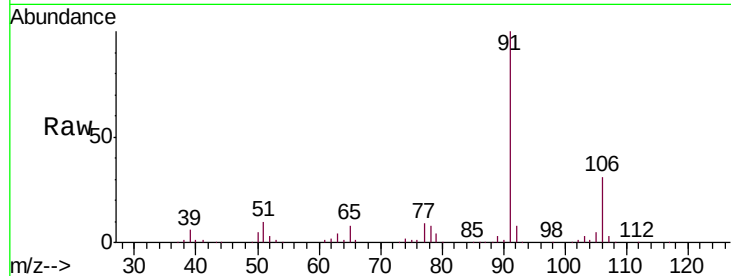
VICV14

Tgt Ion: 91 Resp: 177216

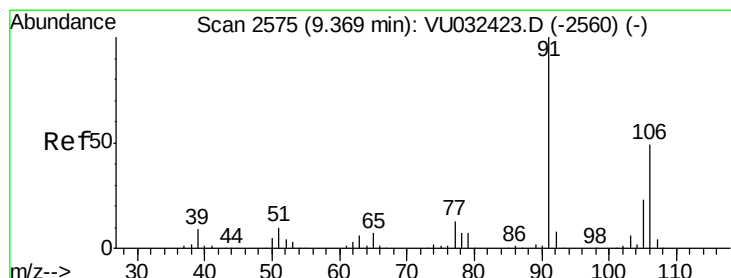
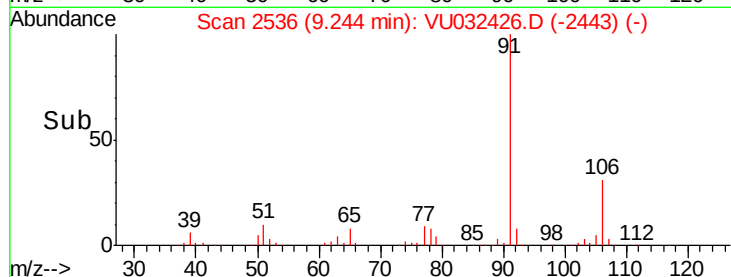
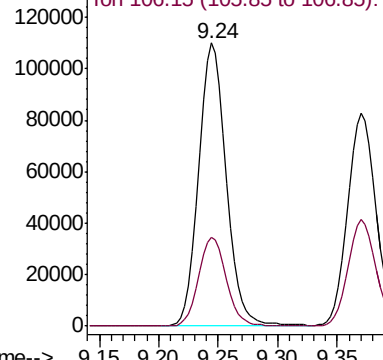
Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032426.D (-2443) (-)



#53

m,p-Xylene

Concen: 4.902 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032426.D

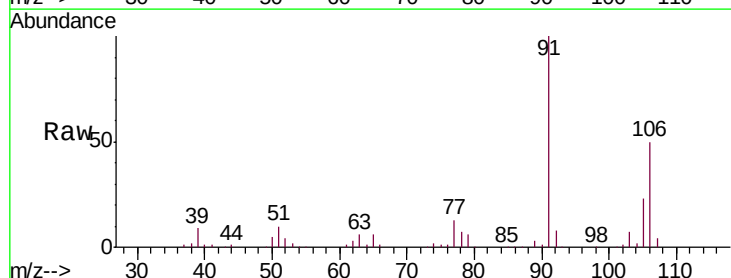
Acq: 04 Jun 2019 14:29

Tgt Ion: 106 Resp: 68283

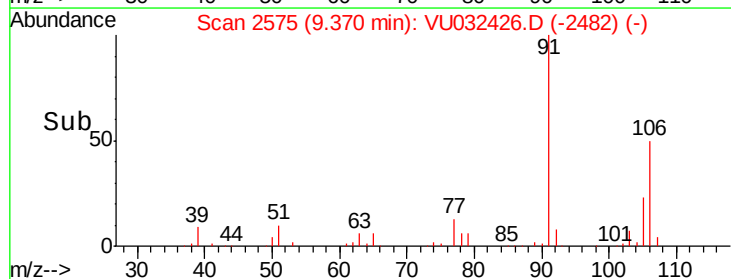
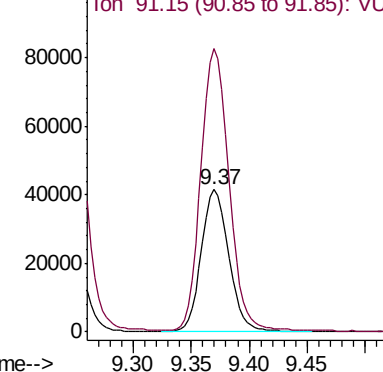
Ion Ratio Lower Upper

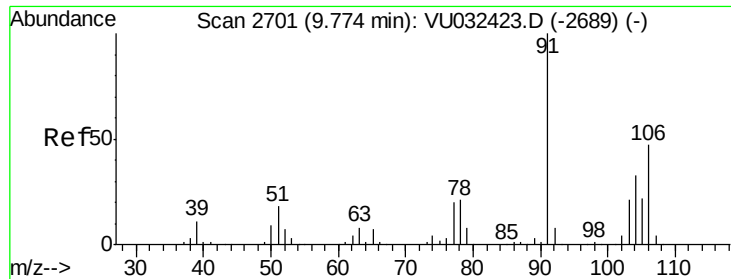
106 100

91 199.3 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032426.D (-2482) (-)

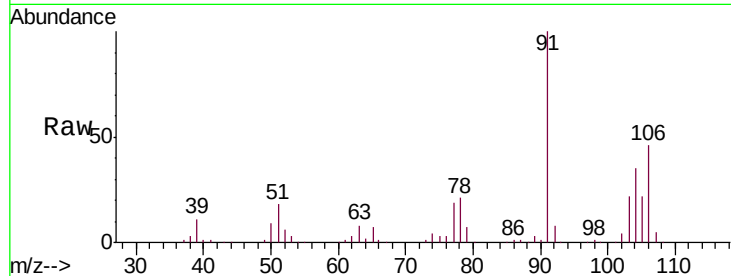




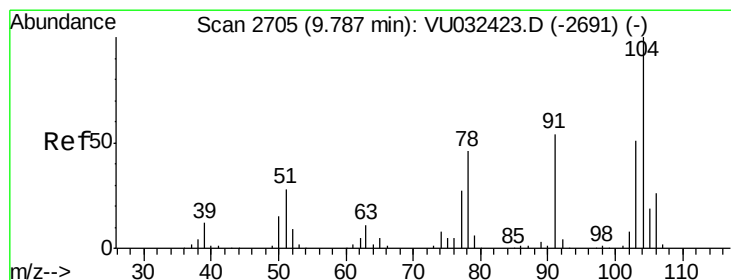
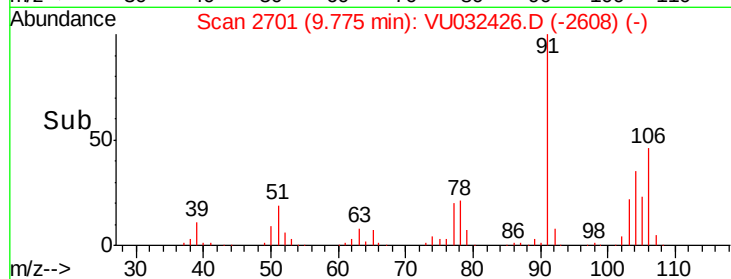
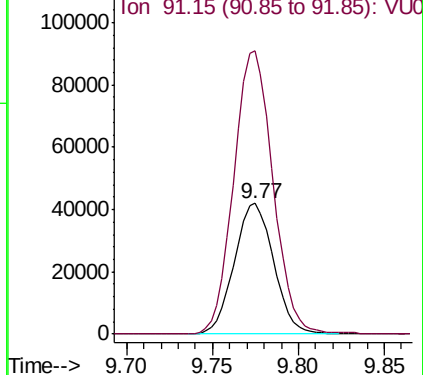
#54
o-Xylene
Concen: 4.810 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Instrument :
MSVOA_U
ClientSampleId :
VICV14

Tgt Ion:106 Resp: 66869
Ion Ratio Lower Upper
106 100
91 216.6 148.8 276.4

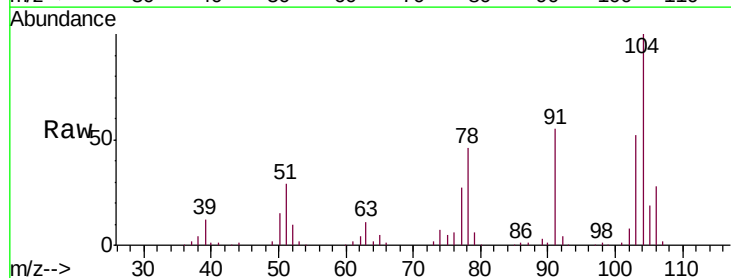


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

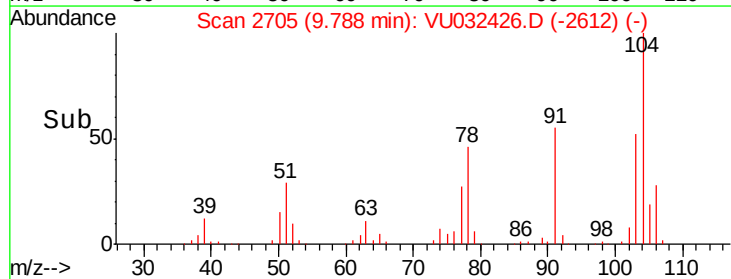
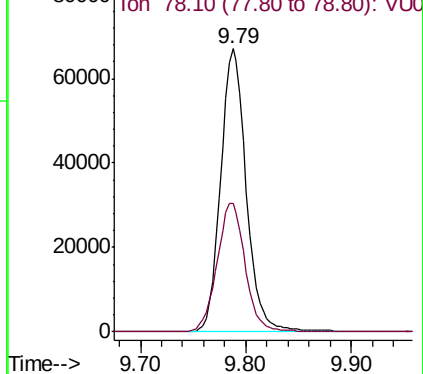


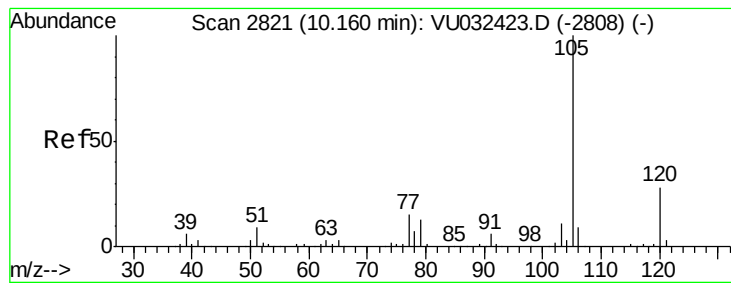
#55
Styrene
Concen: 4.931 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032426.D
Acq: 04 Jun 2019 14:29

Tgt Ion:104 Resp: 112766
Ion Ratio Lower Upper
104 100
78 45.6 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.886 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

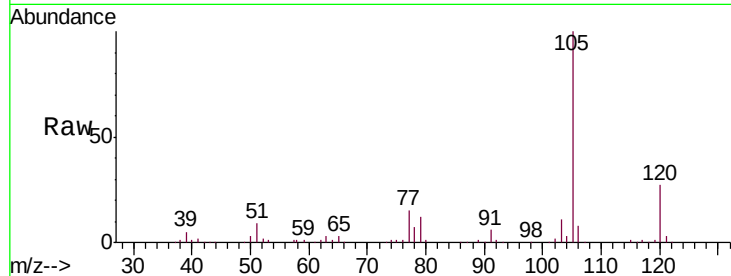
Tgt Ion: 105 Resp: 179184

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

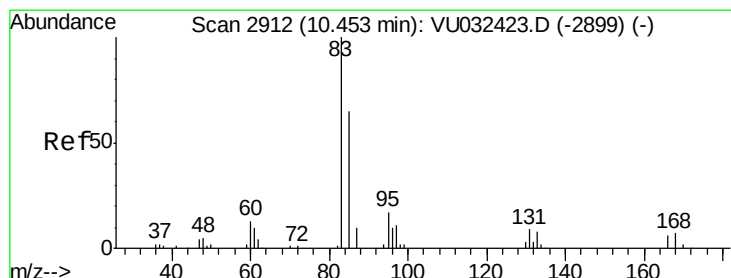
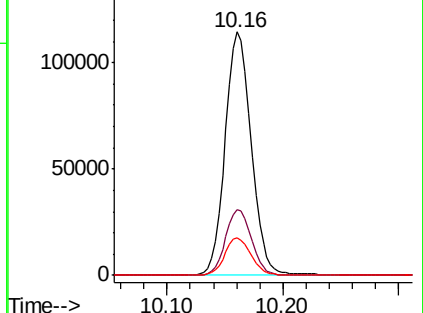
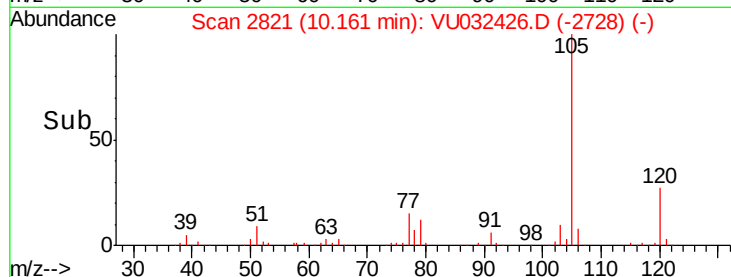
77 15.6 12.3 18.5



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: 4.792 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

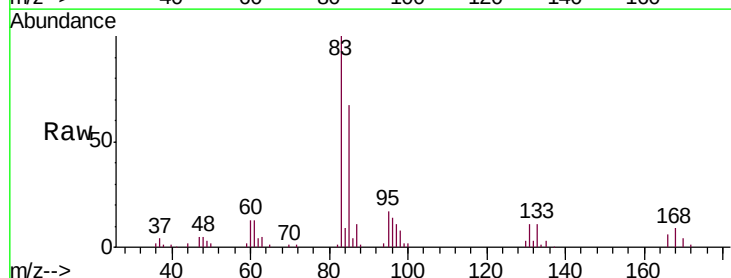
Tgt Ion: 83 Resp: 34512

Ion Ratio Lower Upper

83 100

85 67.1 45.7 84.9

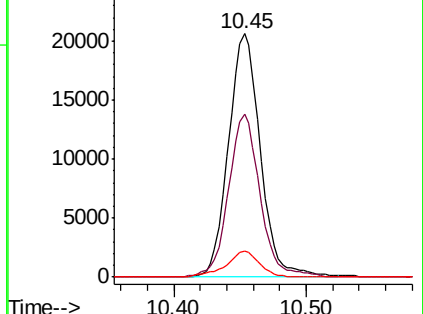
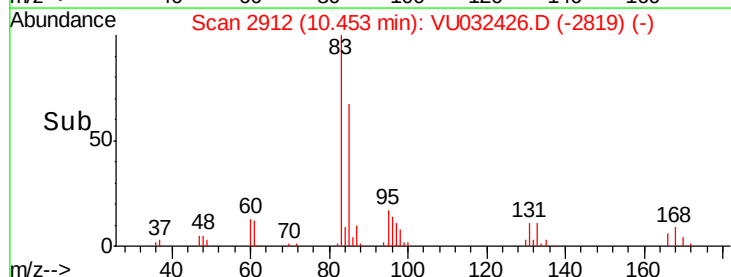
131 10.5 8.0 12.0

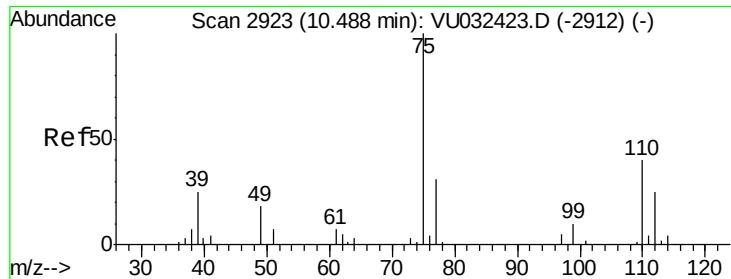


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

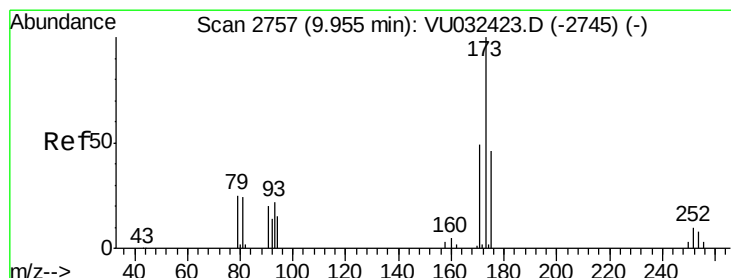
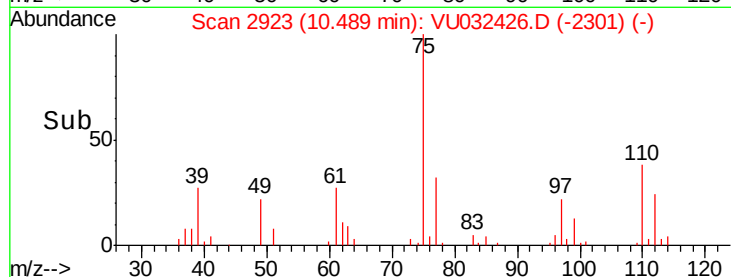
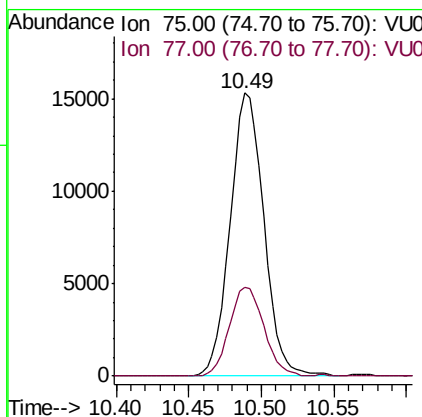
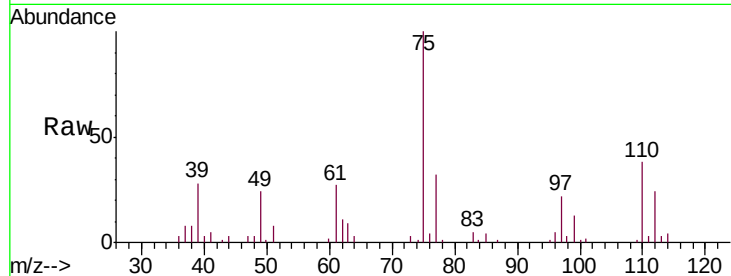




#59
 1,2,3-Trichloropropane
 Concen: 4.862 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

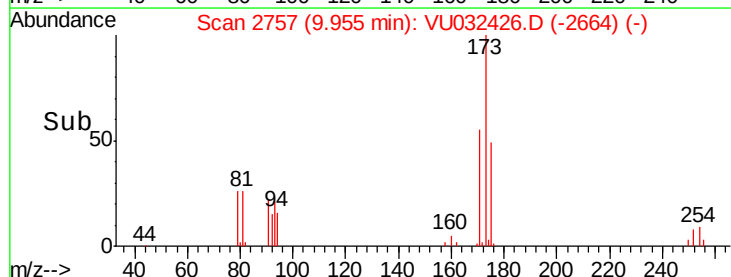
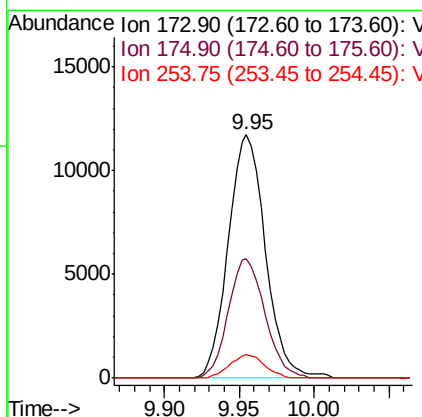
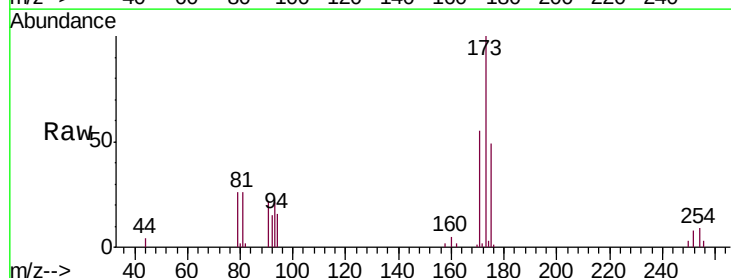
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

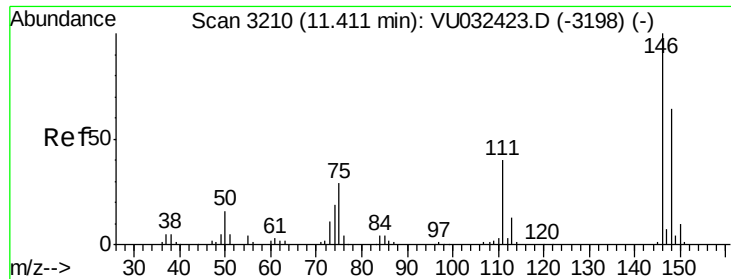
Tgt Ion: 75 Resp: 24712
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#61
 Bromoform
 Concen: 4.777 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion: 173 Resp: 20308
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.9 56.9
 254 9.0 6.8 10.2

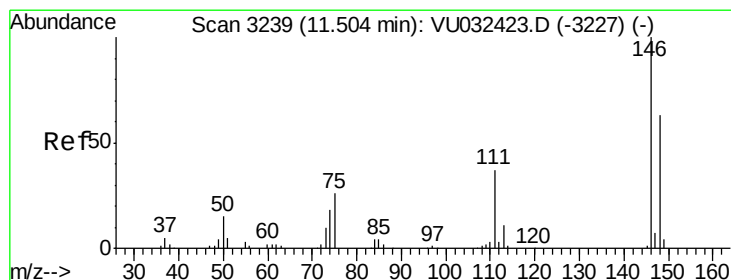
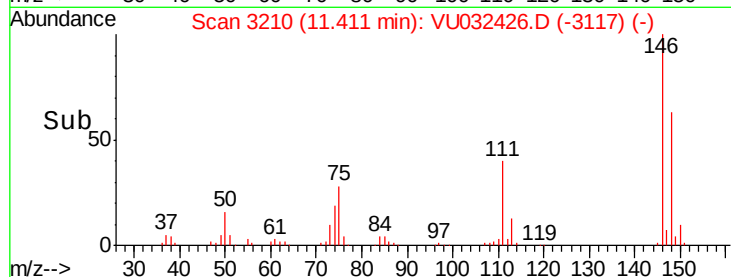
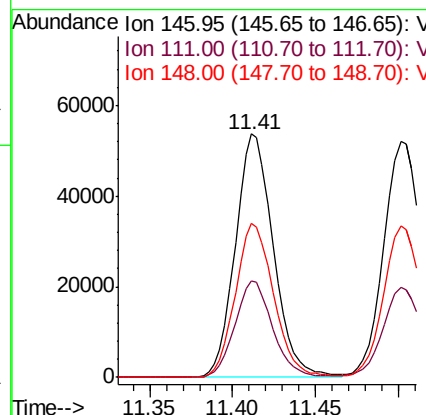
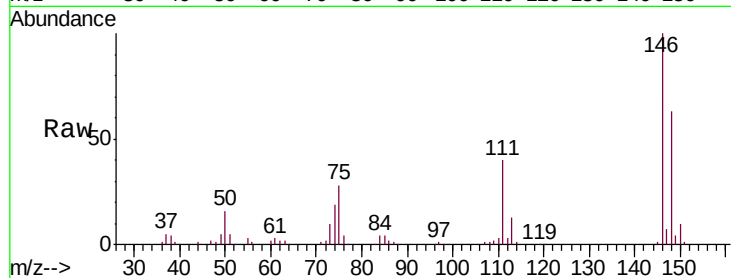




#62
 1,3-Dichlorobenzene
 Concen: 4.949 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

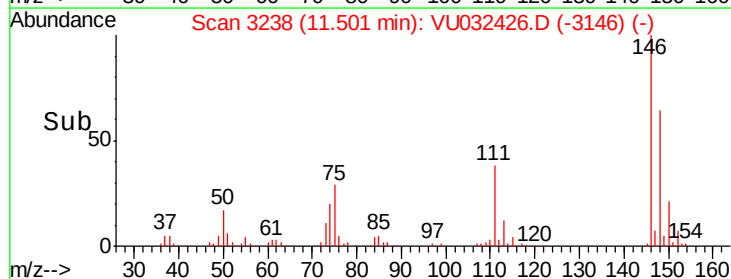
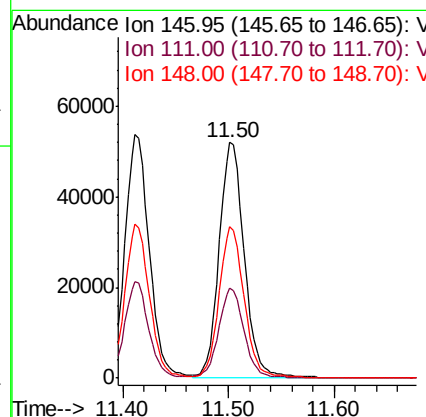
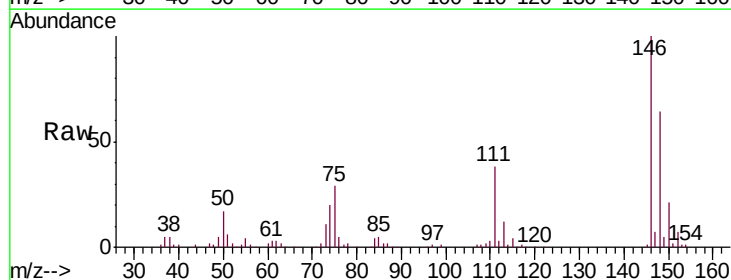
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

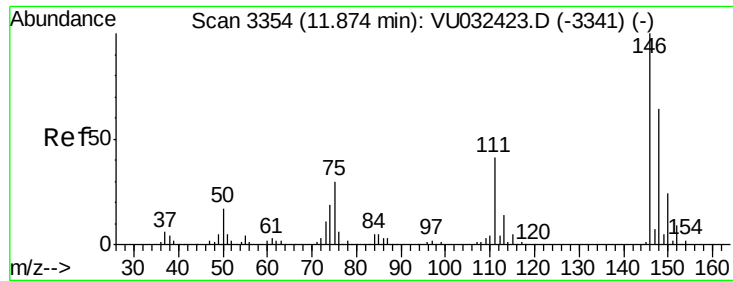
Tgt Ion:146 Resp: 85474
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.7 51.5
 148 63.0 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.874 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion:146 Resp: 85579
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.2 48.6
 148 64.1 43.9 81.5

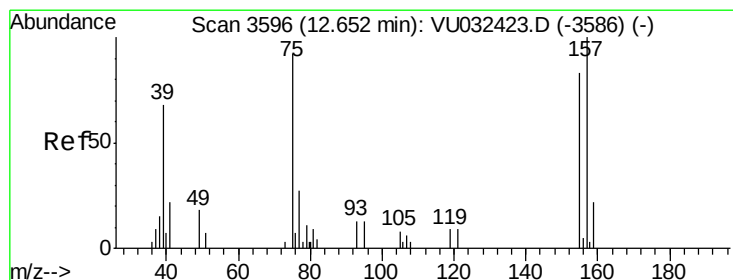
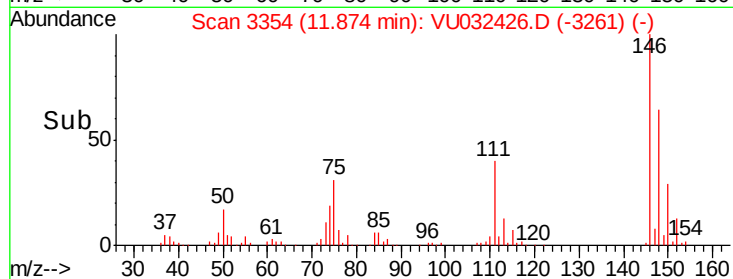
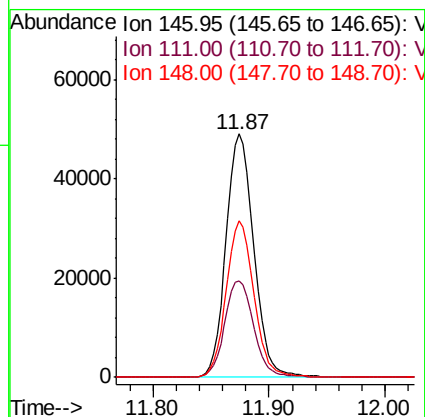
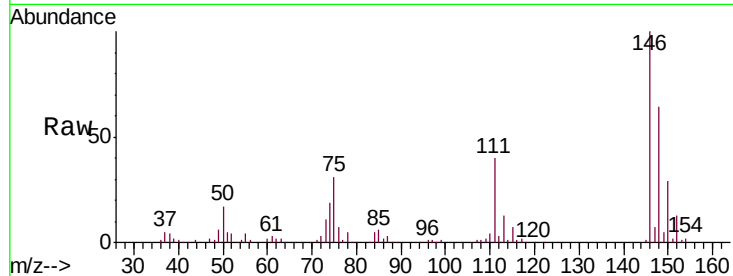




#65
 1,2-Dichlorobenzene
 Concen: 4.885 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

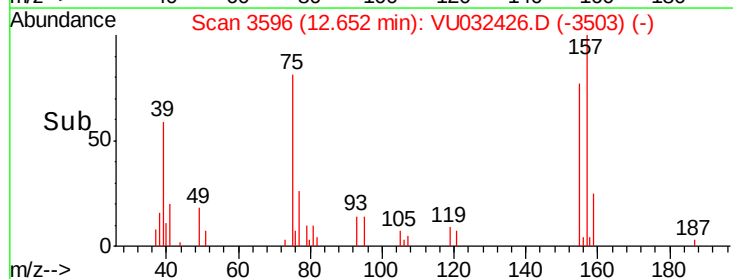
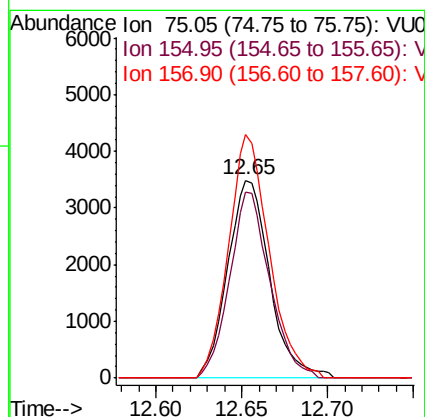
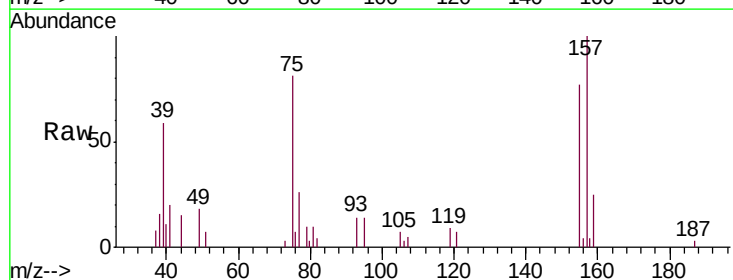
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

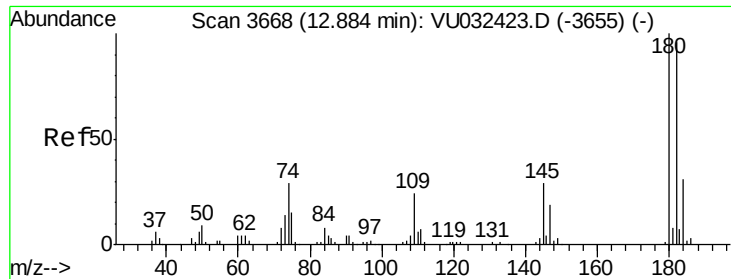
Tgt Ion: 146 Resp: 81523
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.0 49.4
 148 64.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.053 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion: 75 Resp: 5921
 Ion Ratio Lower Upper
 75 100
 155 94.2 72.3 108.5
 157 122.9 87.4 131.0

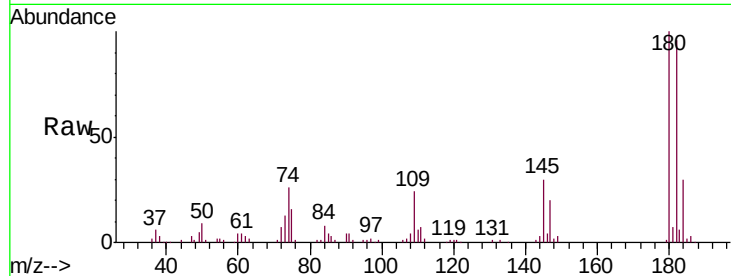




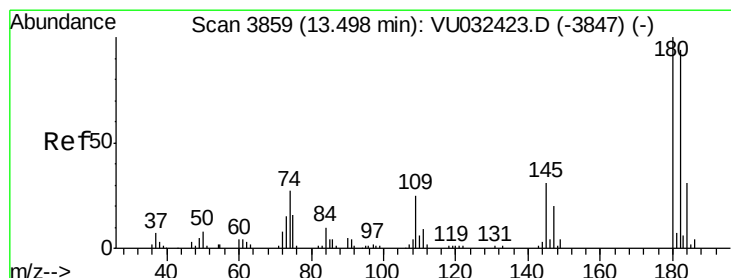
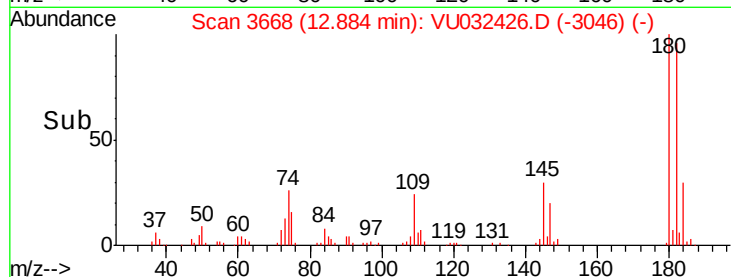
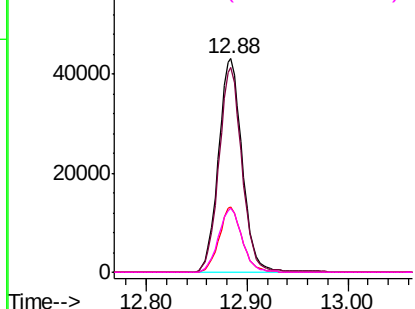
#67
 1,3,5-Trichlorobenzene
 Concen: 5.107 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV14

Tgt Ion:180 Resp: 70692
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.6 115.0
 184 29.2 24.2 36.4
 145 29.7 23.5 35.3

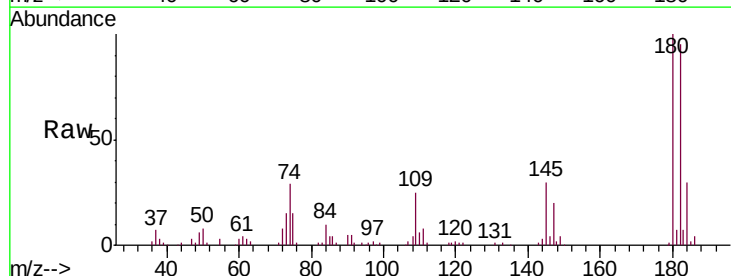


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

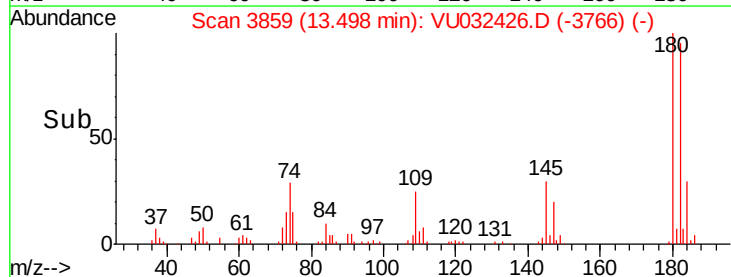
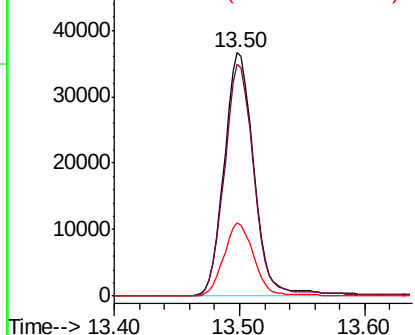


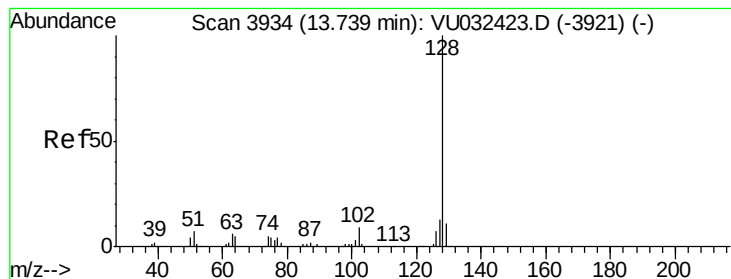
#68
 1,2,4-trichlorobenzene
 Concen: 5.399 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032426.D
 Acq: 04 Jun 2019 14:29

Tgt Ion:180 Resp: 60265
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.8 112.2
 145 30.6 24.3 36.5



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: 5.872 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

VICV14

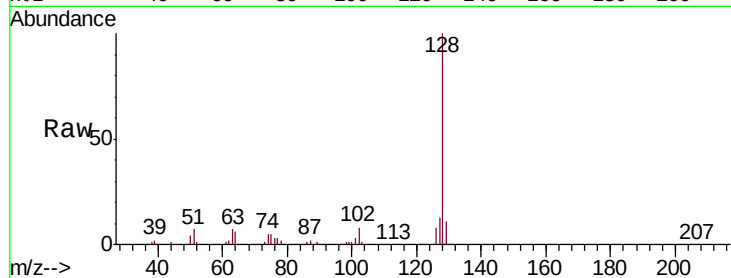
Tgt Ion:128 Resp: 114900

Ion Ratio Lower Upper

128 100

129 10.8 8.1 12.1

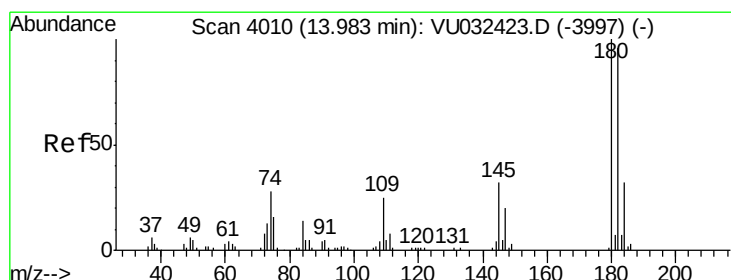
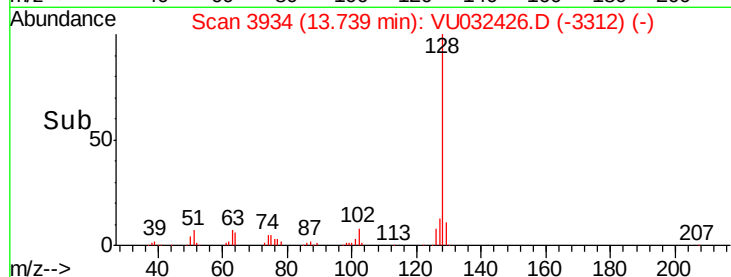
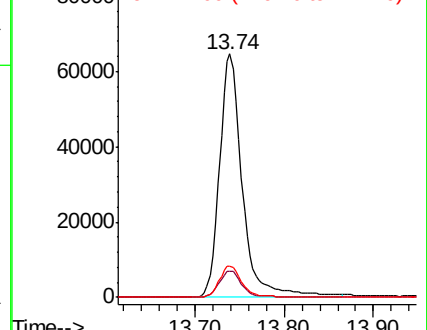
127 12.5 10.4 15.6



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: 5.148 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032426.D

Acq: 04 Jun 2019 14:29

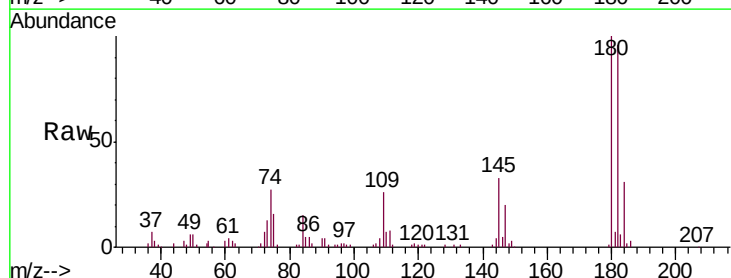
Tgt Ion:180 Resp: 57219

Ion Ratio Lower Upper

180 100

182 96.4 73.8 110.6

145 32.0 25.3 37.9



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

