

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091819\
 Data File : VU034619.D
 Acq On : 17 Sep 2019 16:49
 Operator : JC/SP
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 18:04:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:59:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	110518	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	103731	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	46089	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	7858	1.00	ug/L	0.00
7) Chloroethane-d5	1.67	69	6352	1.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	13879	1.07	ug/L	0.00
20) 2-Butanone-d5	4.20	46	18337	7.48	ug/L	0.03
24) Chloroform-d	4.62	84	11596	0.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	7202	0.92	ug/L	0.00
32) Benzene-d6	5.32	84	24169	0.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	8064	0.84	ug/L	0.00
41) Toluene-d8	7.54	98	23610	0.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3451	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	14283	7.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	6172	0.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	7207	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7899	1.281 ug/L	98
3) Chloromethane	1.32	50	7438	0.976 ug/L	92
5) Vinyl chloride	1.40	62	7782	1.095 ug/L	93
6) Bromomethane	1.62	94	3825	1.055 ug/L	87
8) Chloroethane	1.69	64	4308	1.038 ug/L	90
9) Trichlorofluoromethane	1.88	101	10089	1.164 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	5725	1.211 ug/L	97
12) 1,1-Dichloroethene	2.27	96	4950	1.056 ug/L	86
13) Acetone	2.33	43	16710	10.298 ug/L	99
14) Carbon disulfide	2.46	76	12847	1.066 ug/L	95
15) Methyl Acetate	2.61	43	3430	0.814 ug/L #	91
16) Methylene chloride	2.68	84	6893	1.057 ug/L	96
17) Methyl tert-butyl Ether	2.99	73	18553	1.015 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	5178	0.998 ug/L	86
19) 1,1-Dichloroethane	3.42	63	12270	0.920 ug/L	97
21) 2-Butanone	4.28	43	20133	7.890 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	6985	0.903 ug/L	92
23) Bromochloromethane	4.52	128	2456	0.776 ug/L #	90
25) Chloroform	4.65	83	14451	0.994 ug/L	96
27) 1,2-Dichloroethane	5.39	62	8174	0.966 ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	10231	0.984 ug/L	99
30) Cyclohexane	4.96	56	10924	1.232 ug/L	97
31) Carbon tetrachloride	5.10	117	8366	1.019 ug/L	95
33) Benzene	5.36	78	25600	0.921 ug/L	100
34) Trichloroethene	6.16	95	6383	0.918 ug/L	94
35) Methylcyclohexane	6.39	83	10331	1.138 ug/L	94
37) 1,2-Dichloropropane	6.41	63	8429	1.027 ug/L #	96
38) Bromodichloromethane	6.74	83	9568	0.932 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	10741	0.880 ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	58497	8.747 ug/L	100

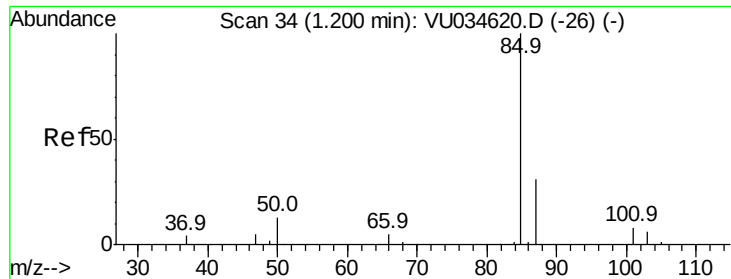
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091819\
 Data File : VU034619.D
 Acq On : 17 Sep 2019 16:49
 Operator : JC/SP
 Sample : VSTD00104
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 18:04:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:59:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	27906	0.946	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	8746	0.863	ug/L	89
45) 1,1,2-Trichloroethane	8.05	97	5203	0.902	ug/L	91
47) Tetrachloroethene	8.20	164	3933	0.927	ug/L	95
48) 2-Hexanone	8.35	43	37448	8.280	ug/L	99
49) Dibromochloromethane	8.45	129	5757	0.830	ug/L	99
50) 1,2-Dibromoethane	8.57	107	4593	0.846	ug/L #	97
51) Chlorobenzene	9.10	112	17345	0.910	ug/L	93
52) Ethylbenzene	9.23	91	32659	0.974	ug/L	98
53) m,p-Xylene	9.35	106	11219	0.918	ug/L	98
54) o-Xylene	9.76	106	11631	0.930	ug/L	96
55) Styrene	9.77	104	18012	0.847	ug/L	98
56) Isopropylbenzene	10.14	105	31894	0.979	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	7416	0.873	ug/L #	94
59) 1,2,3-Trichloropropane	10.47	75	5325	0.918	ug/L	95
61) Bromoform	9.94	173	2803	0.797	ug/L #	87
62) 1,3-Dichlorobenzene	11.40	146	13170	0.956	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	12360	0.899	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	12814	0.975	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	982	0.748	ug/L #	74
67) 1,3,5-Trichlorobenzene	12.87	180	7999	0.866	ug/L	95
68) 1,2,4-trichlorobenzene	13.49	180	5061	0.683	ug/L	98
70) 1,2,3-Trichlorobenzene	13.97	180	5348	0.753	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.281 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

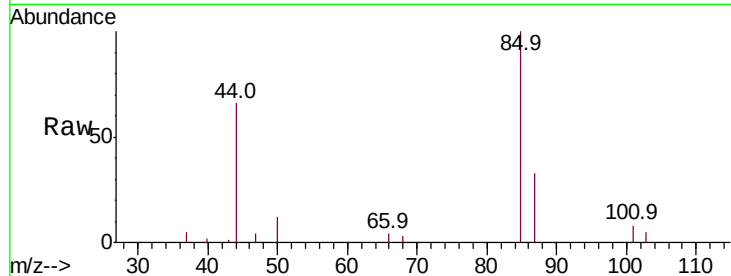
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 7899

Ion Ratio Lower Upper

85 100

87 32.2 25.0 37.4

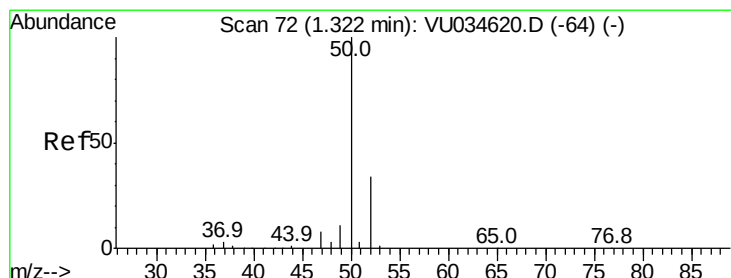
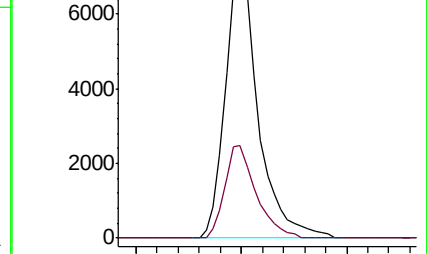
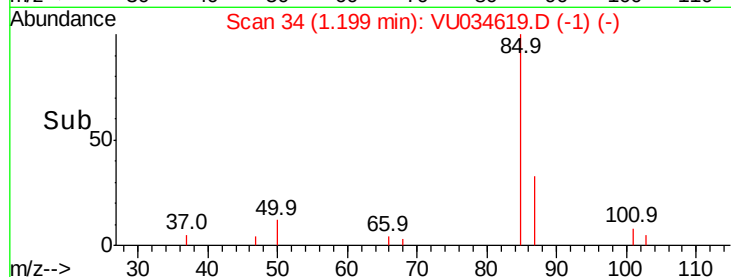


Abundance Ion 85.00 (84.70 to 85.70): VU034619.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034619.D (-1) (-)

Time-->

1.20



#3

Chloromethane

Concen: 0.976 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034619.D

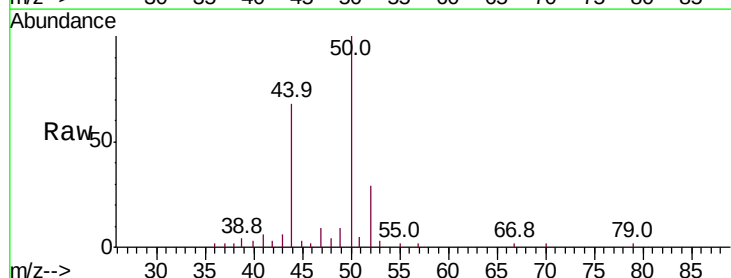
Acq: 17 Sep 2019 16:49

Tgt Ion: 50 Resp: 7438

Ion Ratio Lower Upper

50 100

52 29.3 23.9 44.3

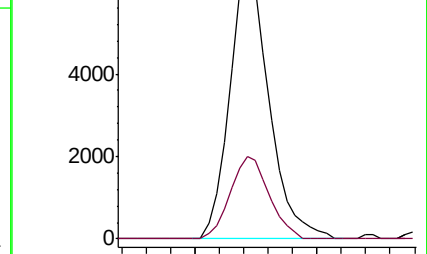
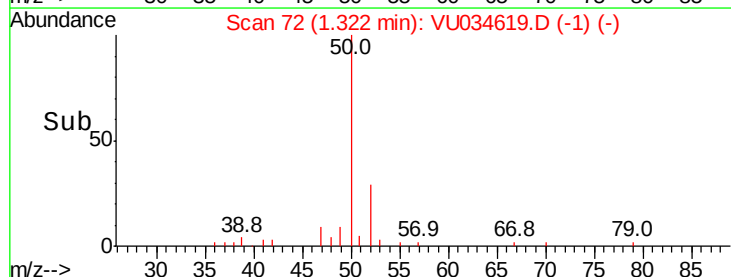


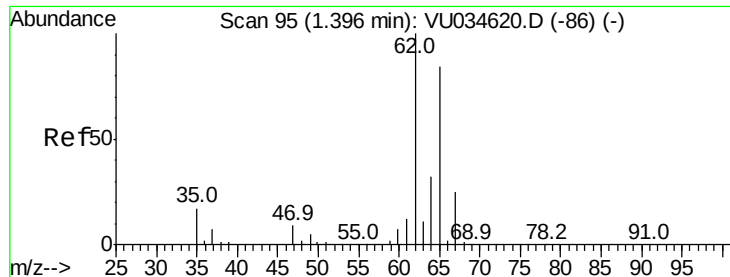
Abundance Ion 50.05 (49.75 to 50.75): VU034619.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034619.D (-1) (-)

Time-->

1.32





#5

Vinyl chloride

Concen: 1.095 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

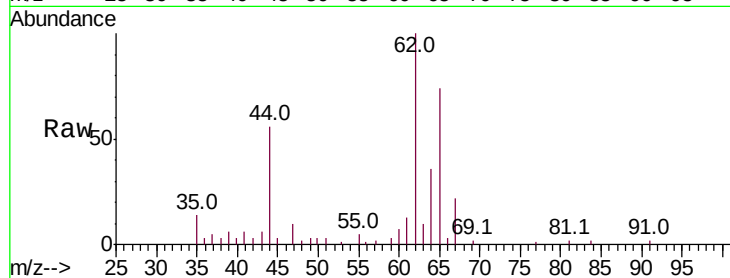
ClientSampleId :

Tot Ion: 62 Resp: 7782

Ion Ratio Lower Upper

62 100

64 36.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

8000

6000

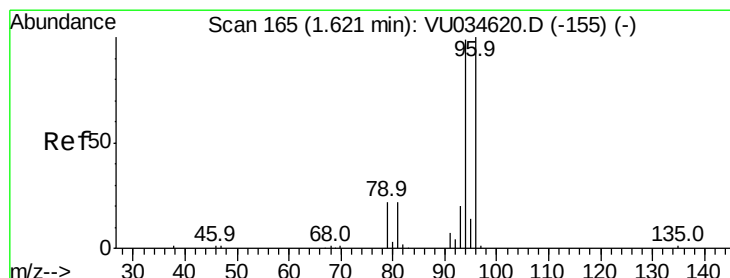
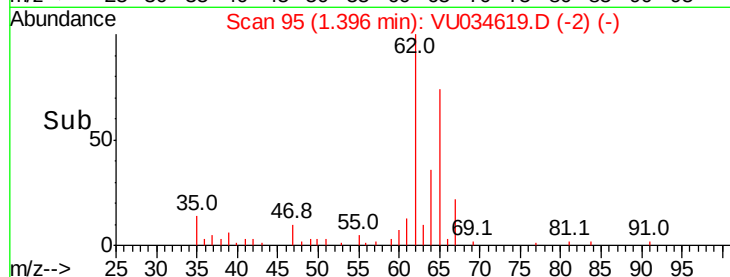
4000

2000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 1.055 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034619.D

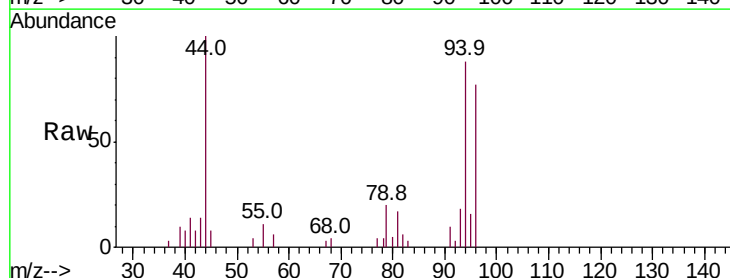
Acq: 17 Sep 2019 16:49

Tgt Ion: 94 Resp: 3825

Ion Ratio Lower Upper

94 100

96 87.4 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

3000

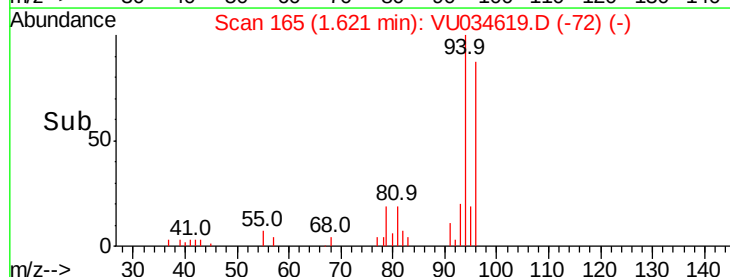
2000

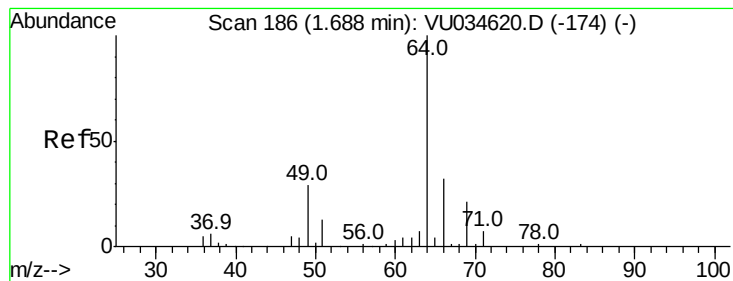
1000

0

Time-->

1.60 1.65





#8

Chloroethane

Concen: 1.038 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

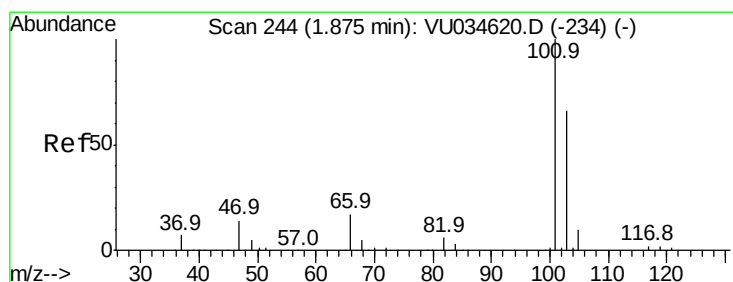
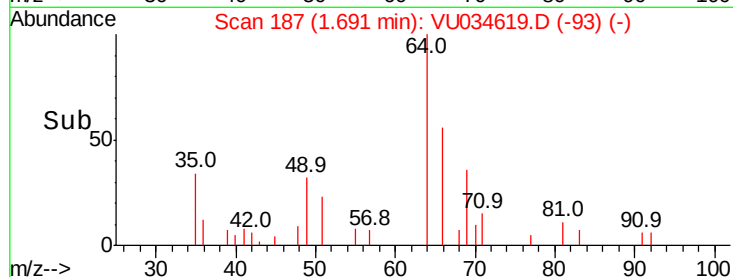
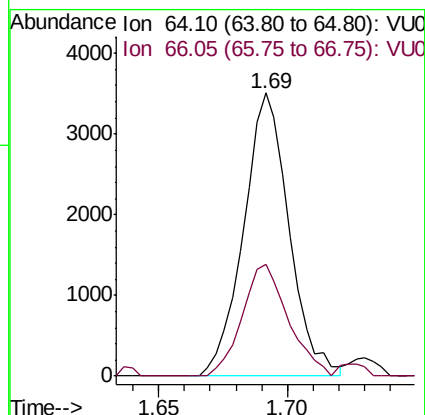
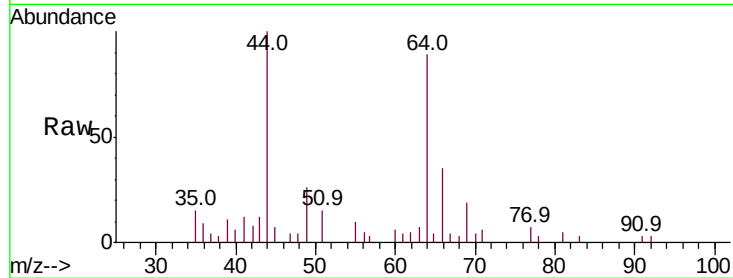
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 4308

Ion Ratio Lower Upper

64 100

66 37.7 22.6 42.0



#9

Trichlorofluoromethane

Concen: 1.164 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034619.D

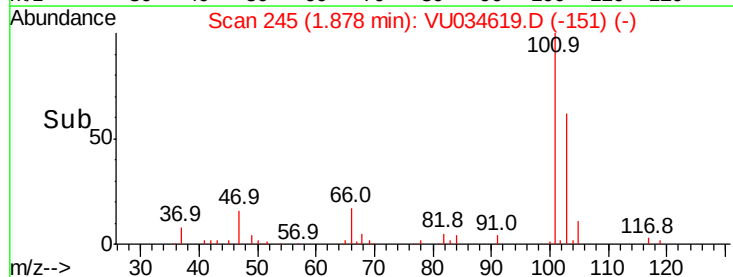
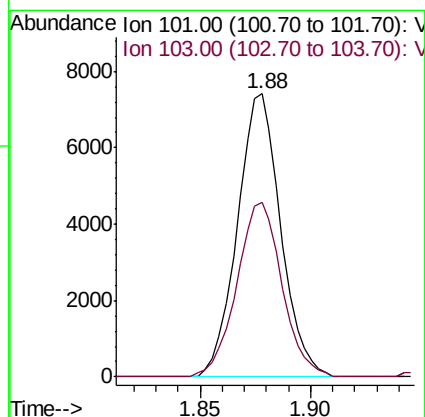
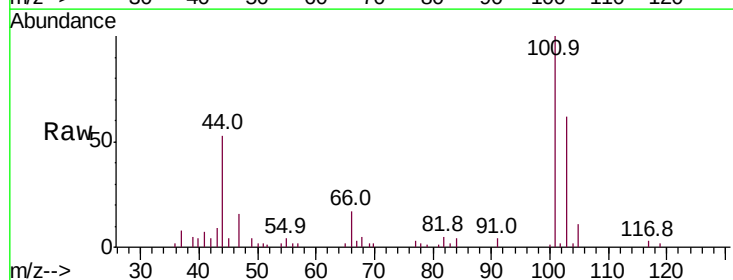
Acq: 17 Sep 2019 16:49

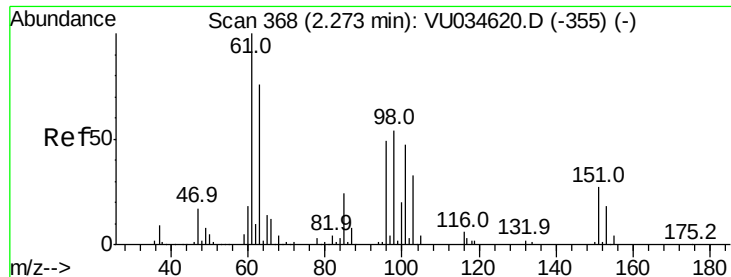
Tgt Ion: 101 Resp: 10089

Ion Ratio Lower Upper

101 100

103 64.4 53.2 79.8





#10

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

Concen: 1.211 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

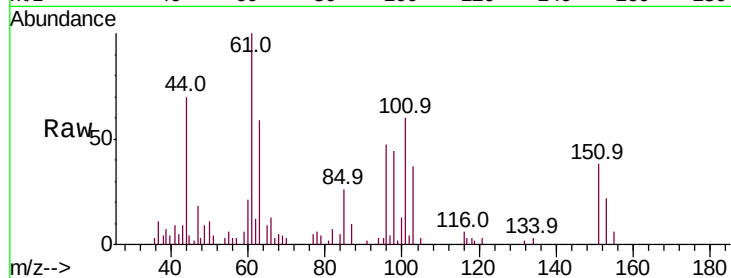
Tot Ion:101 Resp: 5725

Ion Ratio Lower Upper

101 100

85 51.9 41.9 62.9

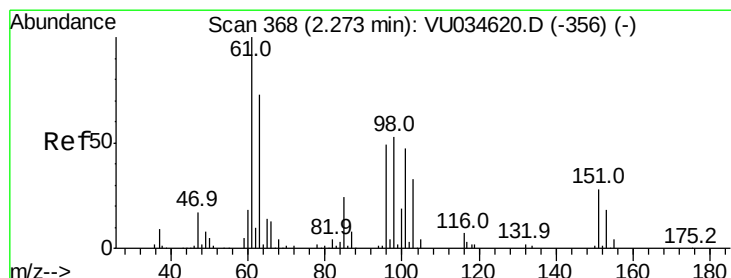
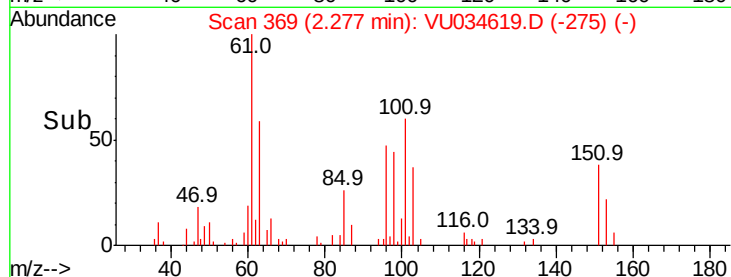
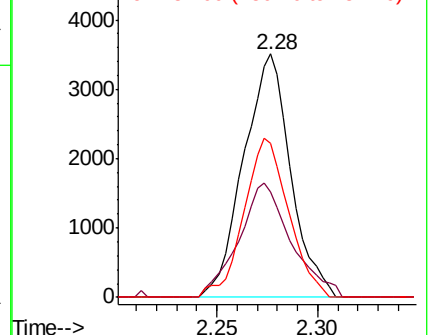
151 62.1 46.4 69.6



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: 1.056 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

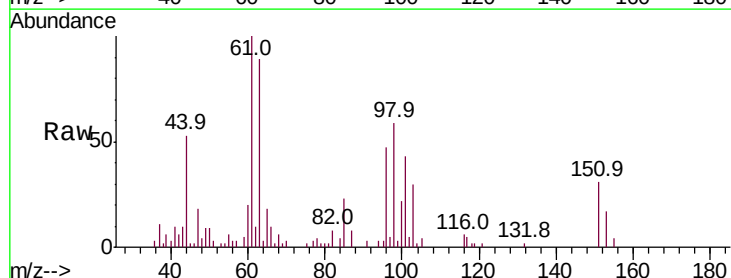
Tgt Ion: 96 Resp: 4950

Ion Ratio Lower Upper

96 100

61 215.0 144.4 268.2

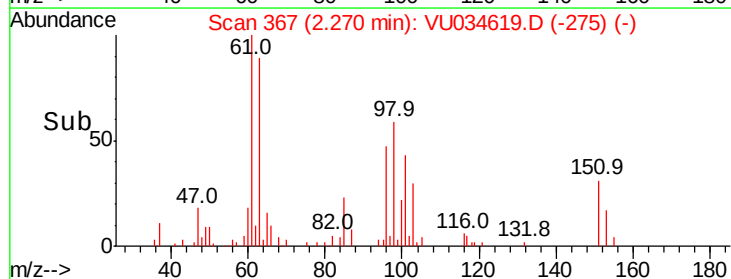
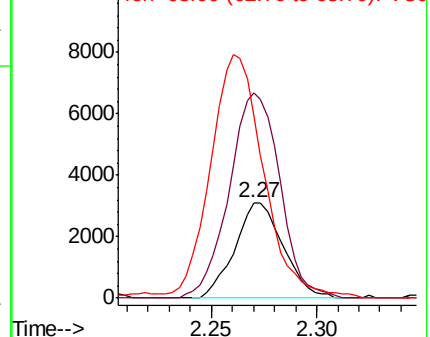
63 190.4 111.5 207.1

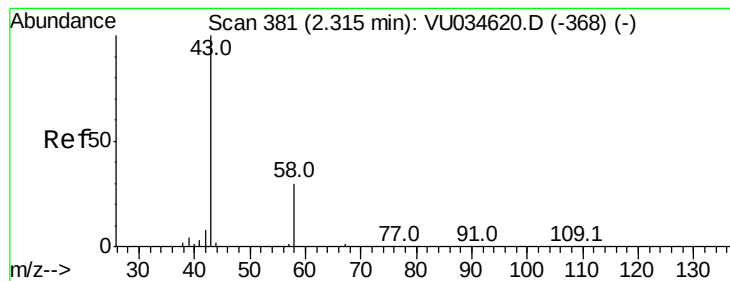


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.298 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.02 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

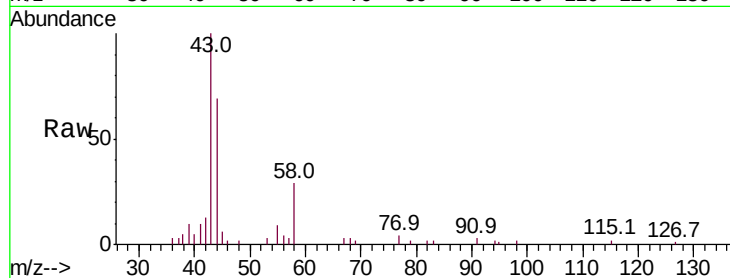
ClientSampleId :

Tot Ion: 43 Resp: 16710

Ion Ratio Lower Upper

43 100

58 29.5 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034619.D (-387) (-)

Ion 58.05 (57.75 to 58.75): VU034619.D (-387) (-)

2.33

6000

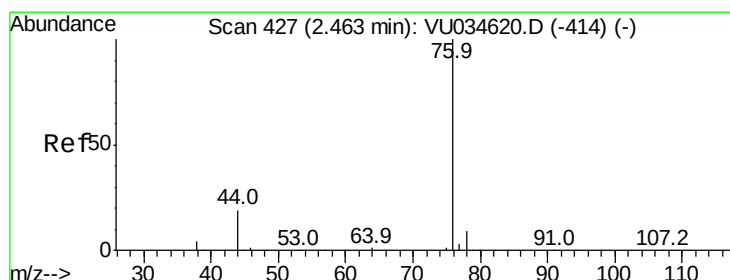
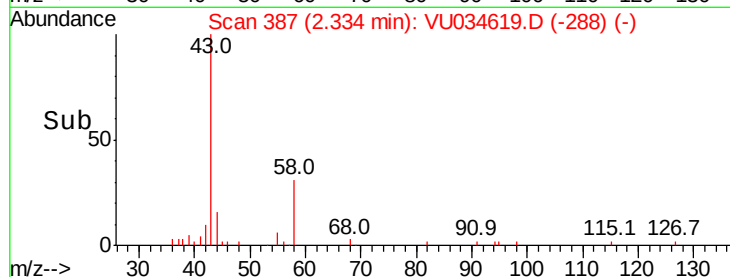
4000

2000

0

Time-->

2.30 2.40



#14

Carbon disulfide

Concen: 1.066 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034619.D

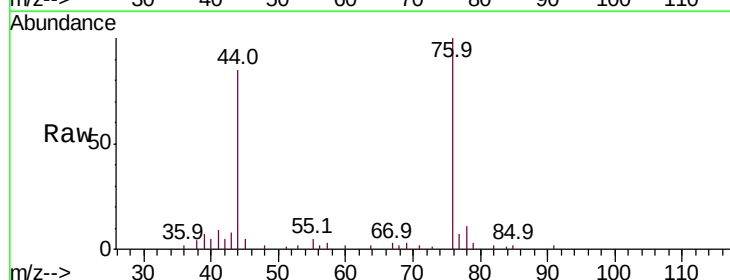
Acq: 17 Sep 2019 16:49

Tgt Ion: 76 Resp: 12847

Ion Ratio Lower Upper

76 100

78 11.5 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU034619.D (-427) (-)

Ion 78.00 (77.70 to 78.70): VU034619.D (-427) (-)

2.46

8000

6000

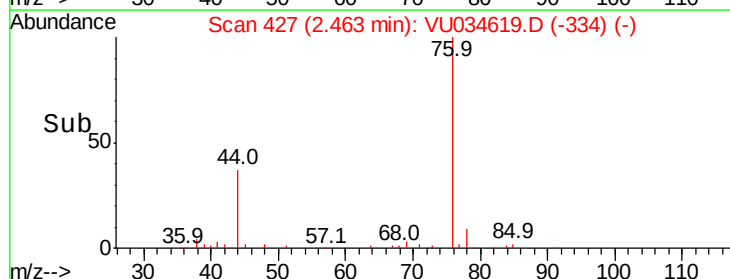
4000

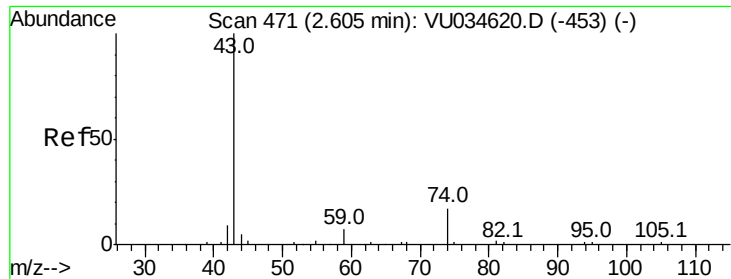
2000

0

Time-->

2.40 2.45 2.50





#15

Methyl Acetate

Concen: 0.814 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

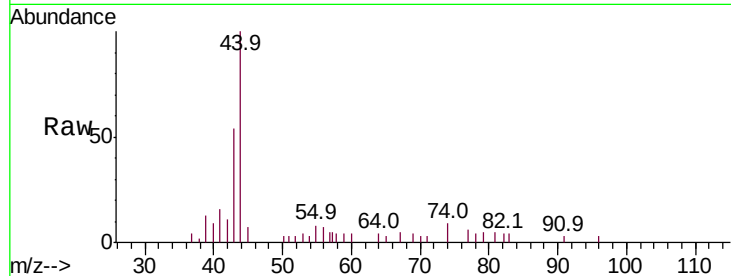
ClientSampleId :

Tot Ion: 43 Resp: 3430

Ion Ratio Lower Upper

43 100

74 21.7 14.2 21.2#

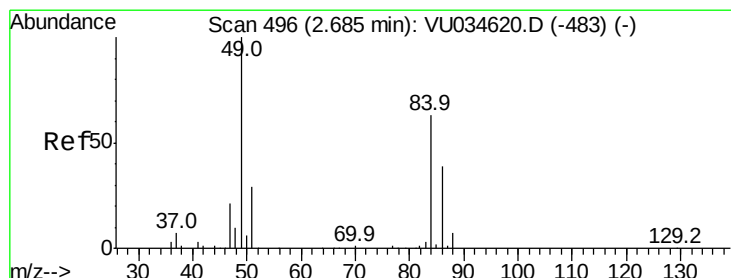
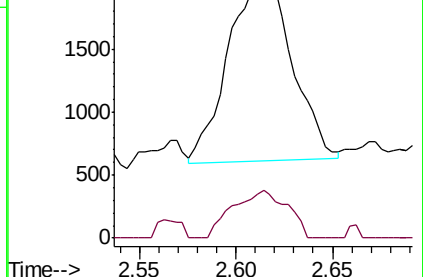
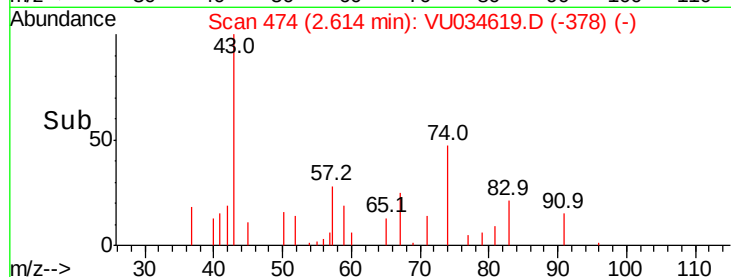


Abundance Ion 43.05 (42.75 to 43.75): VU034619.D (-378) (-)

Ion 74.05 (73.75 to 74.75): VU034619.D (-378) (-)

2.61

2.65



#16

Methylene chloride

Concen: 1.057 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

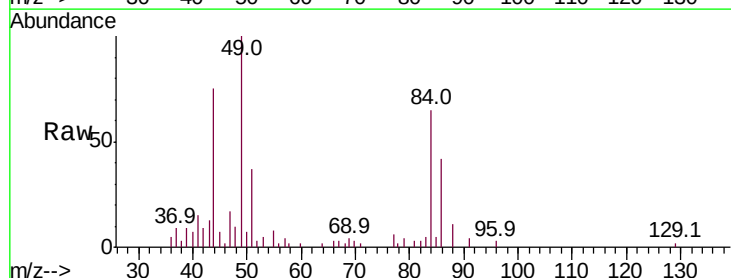
Tgt Ion: 84 Resp: 6893

Ion Ratio Lower Upper

84 100

86 65.3 43.0 80.0

49 154.4 110.9 205.9



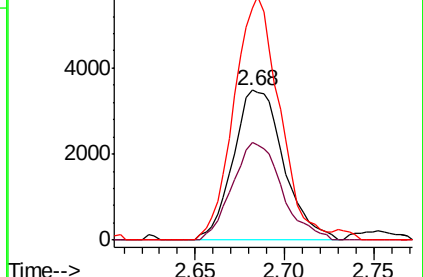
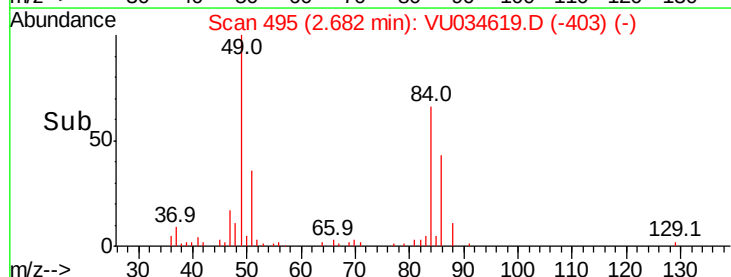
Abundance Ion 84.05 (83.75 to 84.75): VU034619.D (-403) (-)

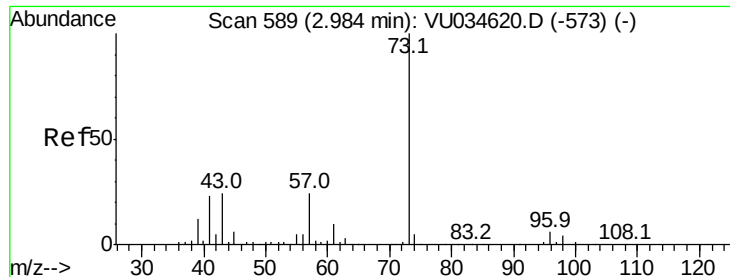
Ion 86.00 (85.70 to 86.70): VU034619.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034619.D (-403) (-)

2.68

2.75

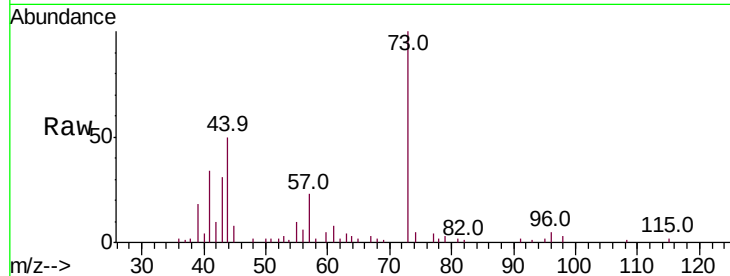




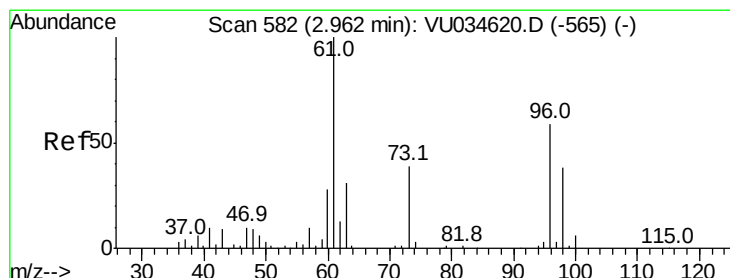
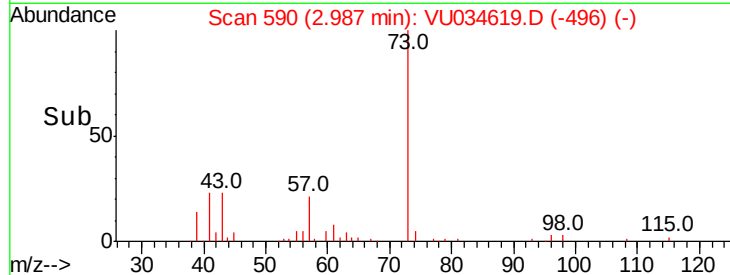
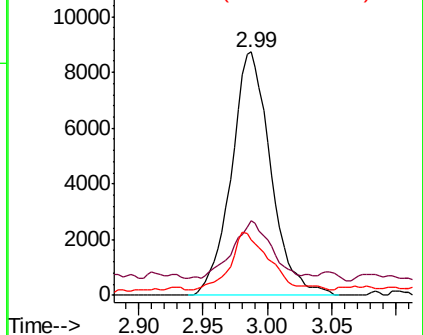
#17
Methyl tert-butyl Ether
Concen: 1.015 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	73	Resp:	18553
Ion	Ratio	Lower	Upper
73	100		
43	22.2	20.3	30.5
57	22.5	18.9	28.3

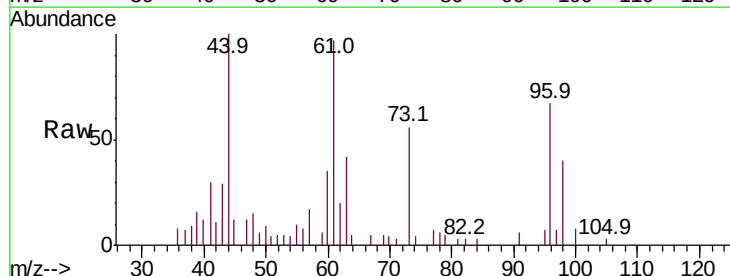


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

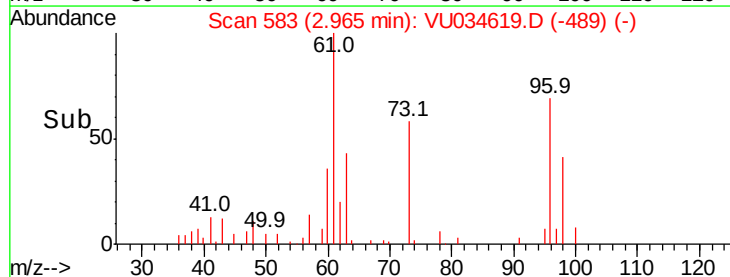
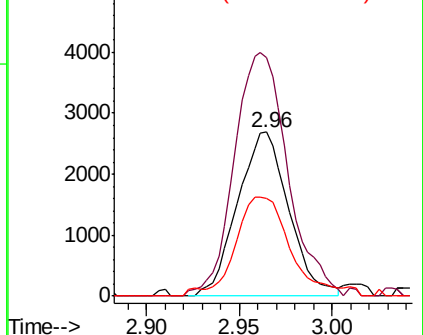


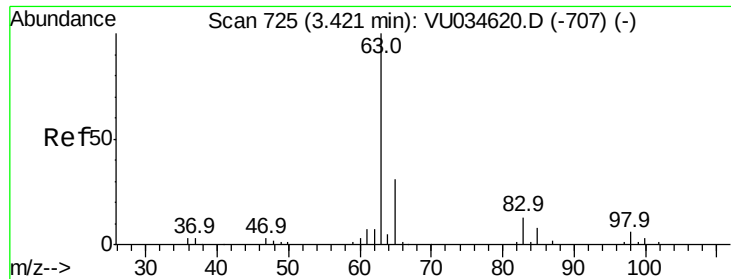
#18
trans-1,2-Dichloroethene
Concen: 0.998 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Tgt Ion:	96	Resp:	5178
Ion	Ratio	Lower	Upper
96	100		
61	145.6	118.2	219.6
98	59.5	44.8	83.2



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

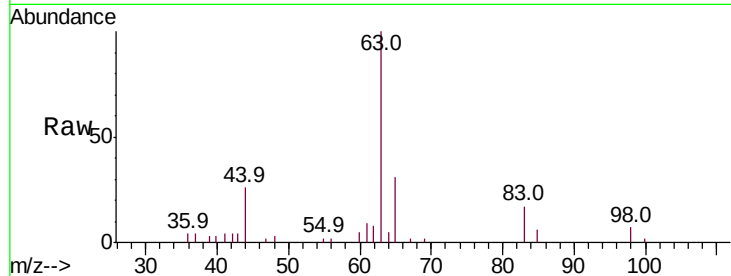




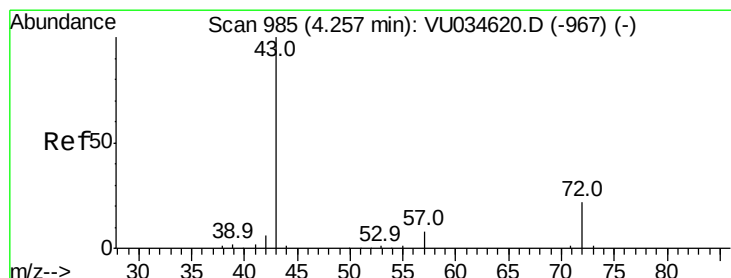
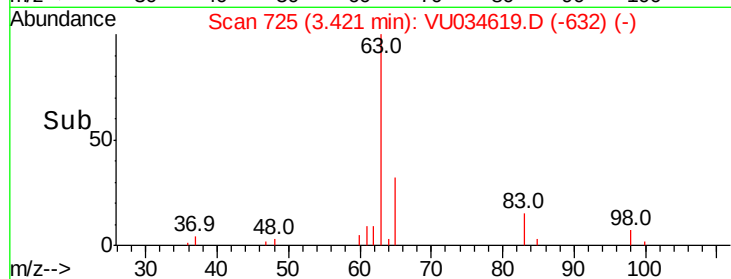
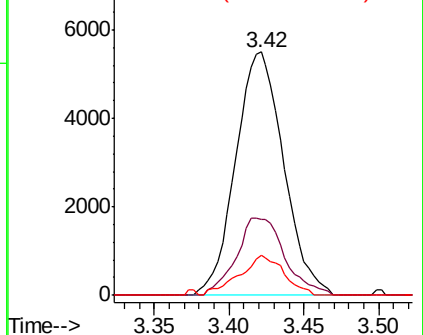
#19
 1,1-Dichloroethane
 Concen: 0.920 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 12270
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.9 40.7
 83 16.6 9.4 17.6

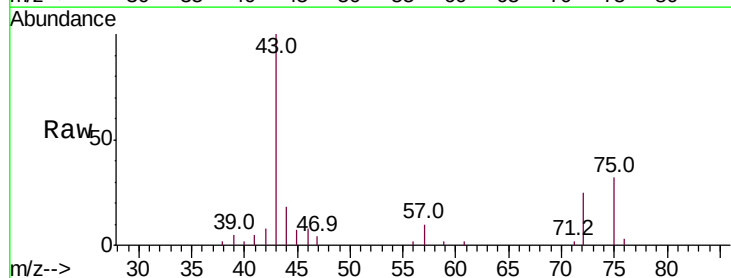


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

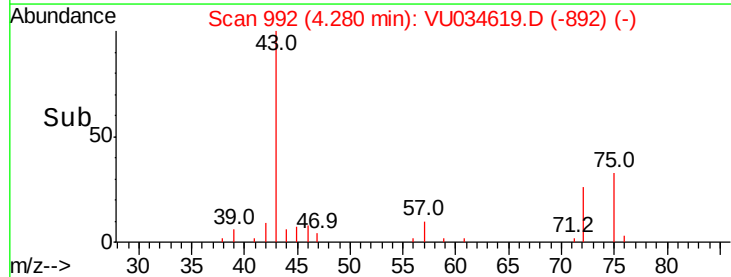
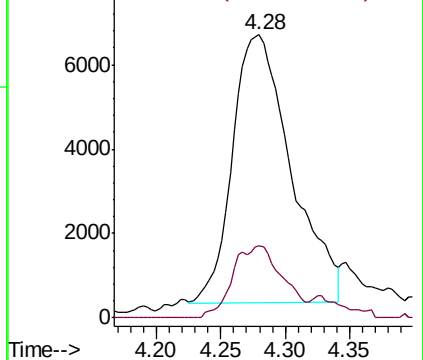


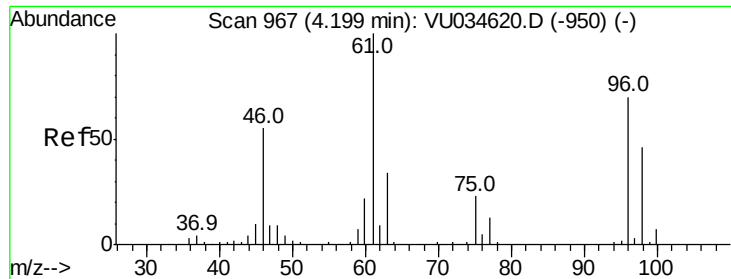
#21
 2-Butanone
 Concen: 7.890 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion: 43 Resp: 20133
 Ion Ratio Lower Upper
 43 100
 72 23.3 10.8 32.3



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



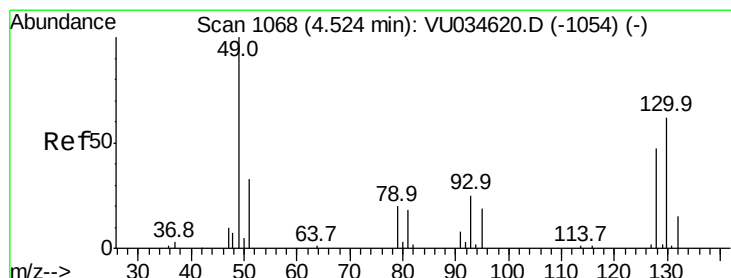
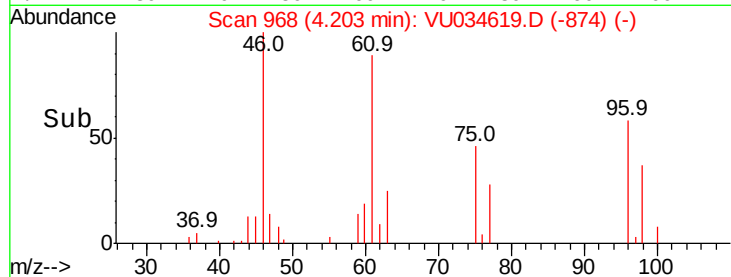
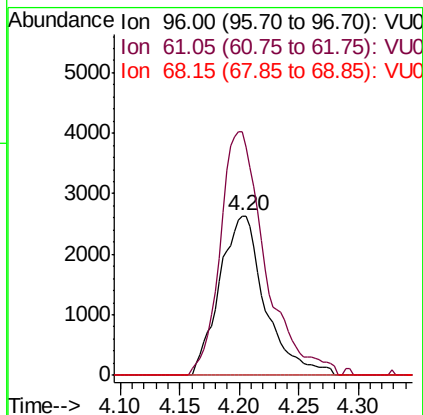
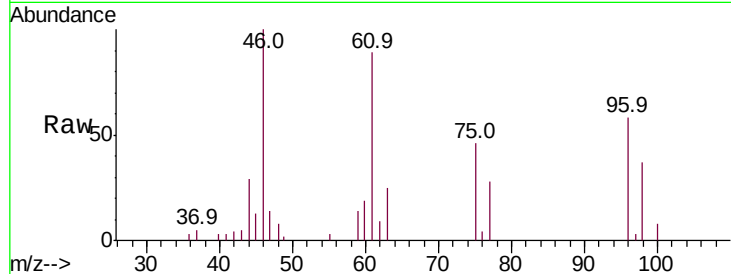


#22

cis-1,2-Dichloroethene
 Concen: 0.903 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampled :

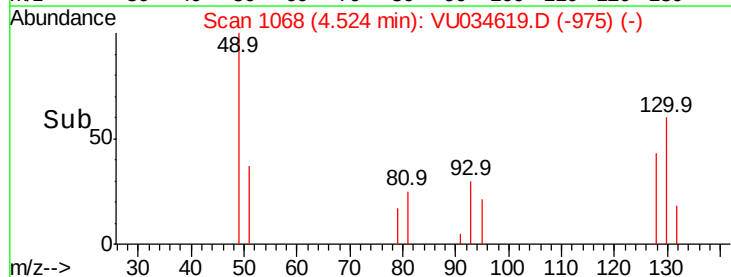
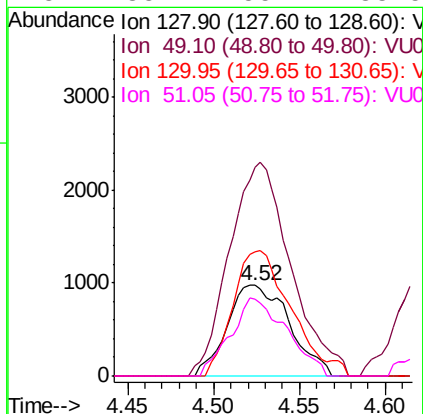
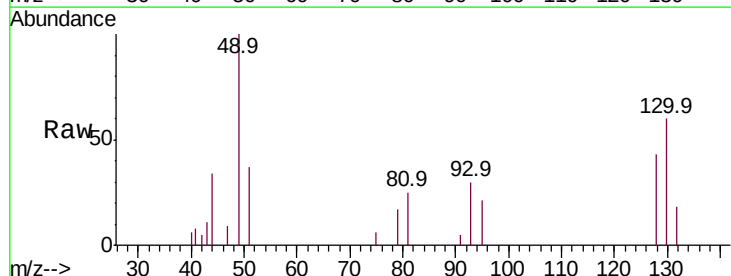
Tot Ion: 96 Resp: 6985
 Ion Ratio Lower Upper
 96 100
 61 152.4 100.0 185.8
 68 0.0 0.0 0.0

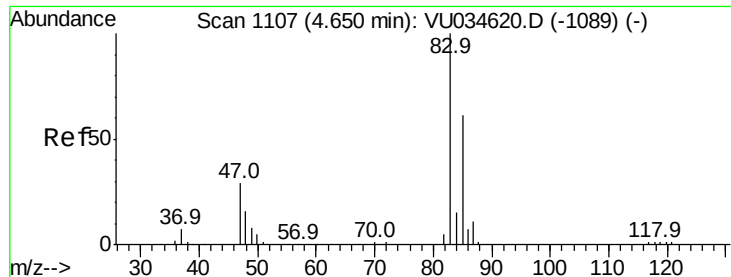


#23

Bromochloromethane
 Concen: 0.776 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion: 128 Resp: 2456
 Ion Ratio Lower Upper
 128 100
 49 230.3 149.9 278.3
 130 137.1 91.3 169.6
 51 85.4 55.7 83.5#

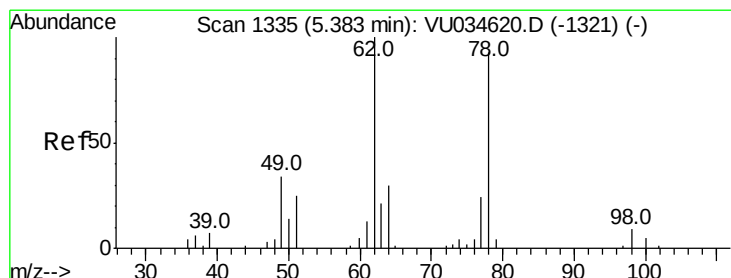
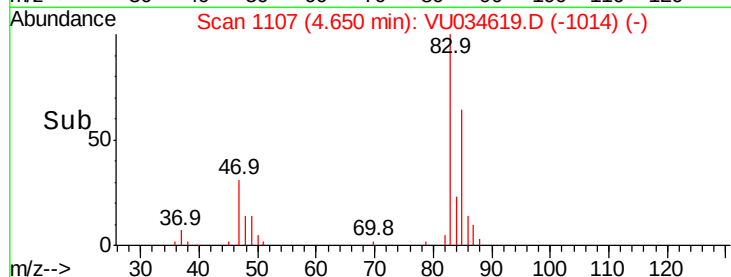
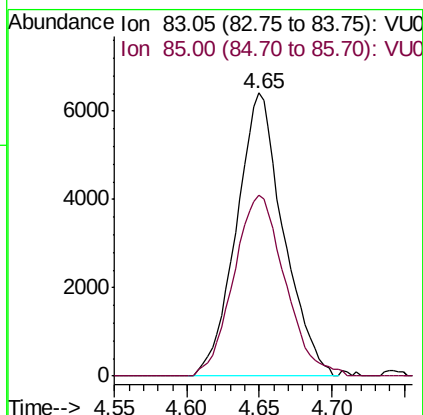
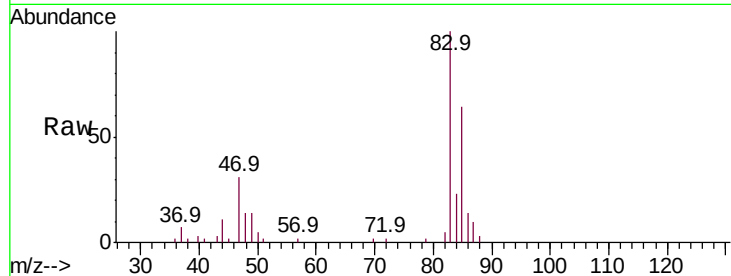




#25
Chloroform
Concen: 0.994 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

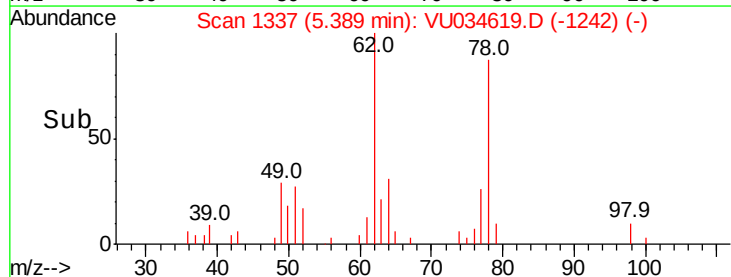
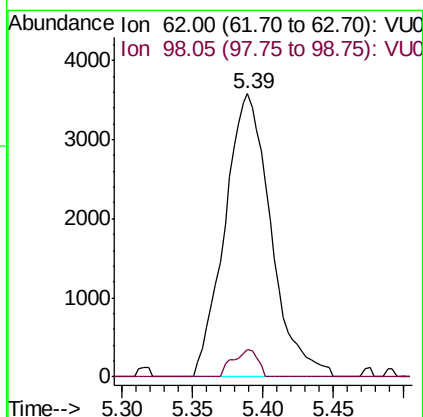
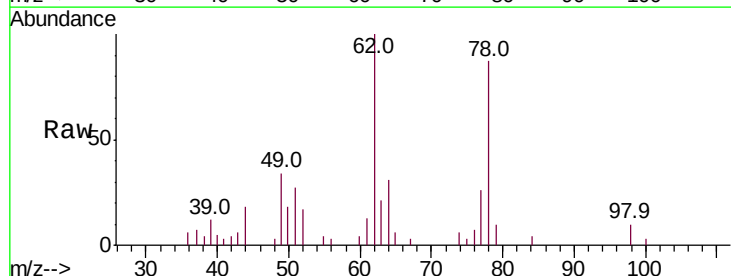
Instrument :
MSVOA_U
ClientSampled :

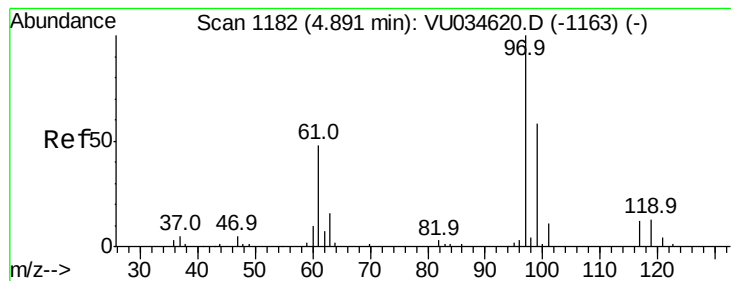
Tot Ion: 83 Resp: 14451
Ion Ratio Lower Upper
83 100
85 63.8 42.8 79.4



#27
1,2-Dichloroethane
Concen: 0.966 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Tgt Ion: 62 Resp: 8174
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 0.984 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :

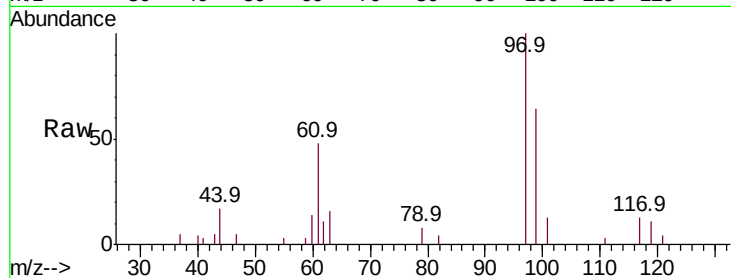
Tot Ion: 97 Resp: 10231

Ion Ratio Lower Upper

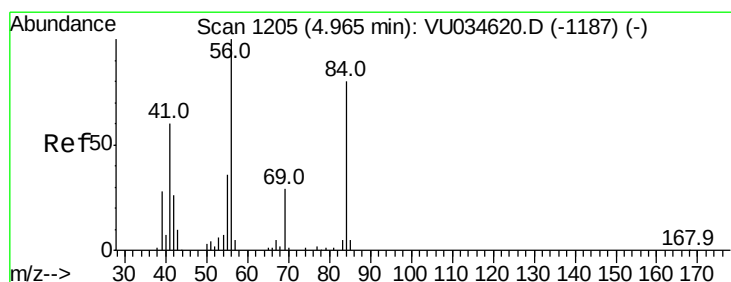
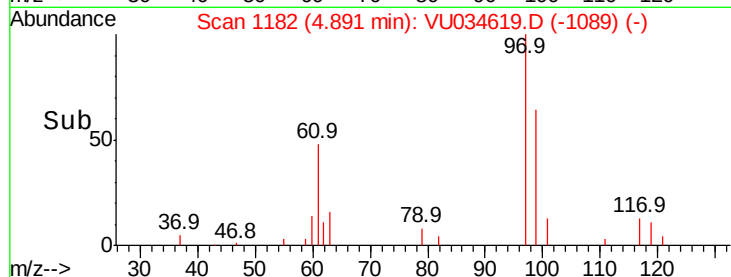
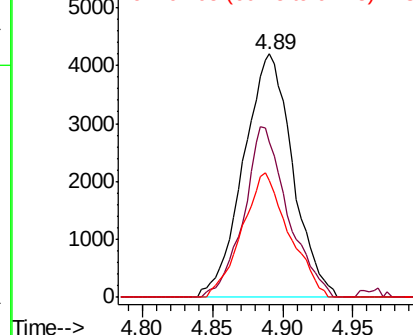
97 100

99 62.6 50.0 75.0

61 48.5 39.8 59.6



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: 1.232 ug/L

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

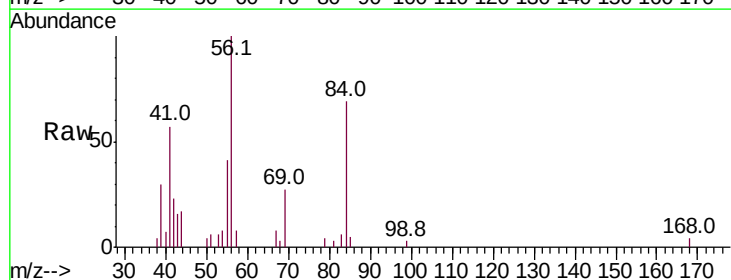
Tgt Ion: 56 Resp: 10924

Ion Ratio Lower Upper

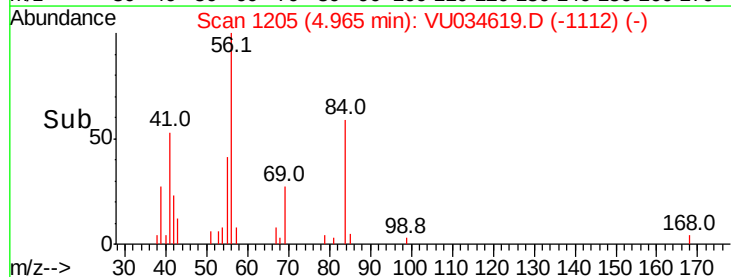
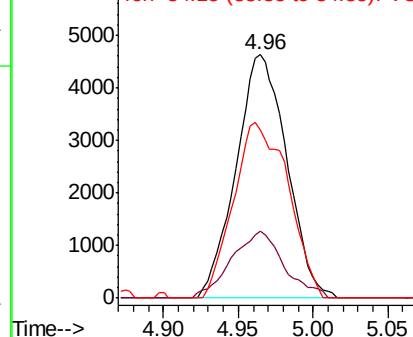
56 100

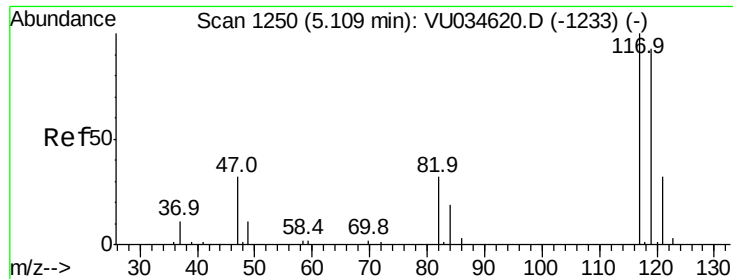
69 28.4 21.4 32.2

84 77.8 64.2 96.2



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: 1.019 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

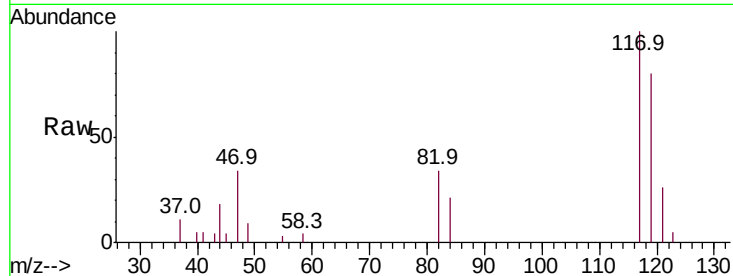
ClientSampleId :

Tot Ion:117 Resp: 8366

Ion Ratio Lower Upper

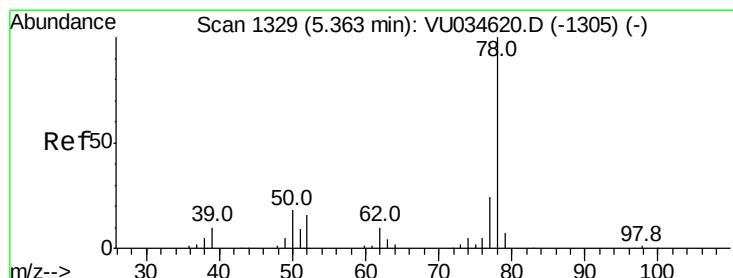
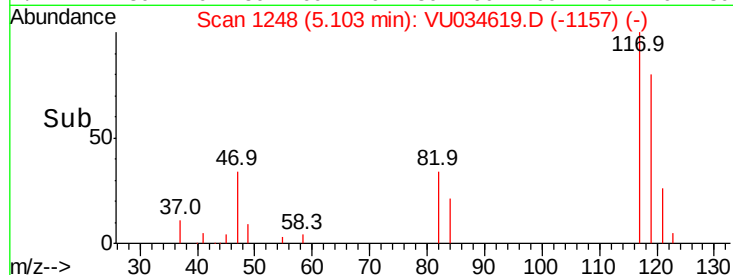
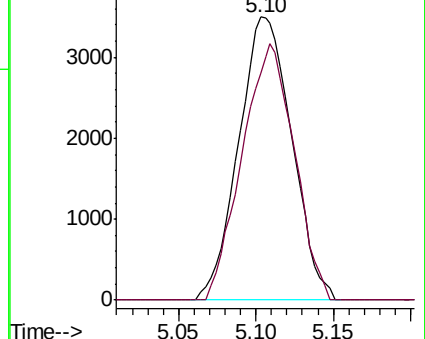
117 100

119 88.5 74.2 111.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.921 ug/L

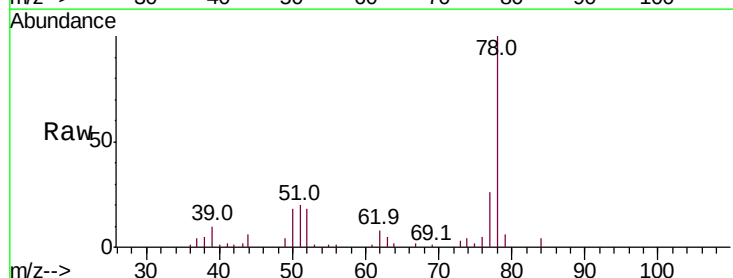
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

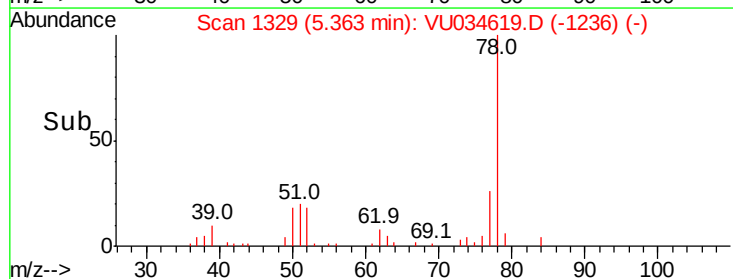
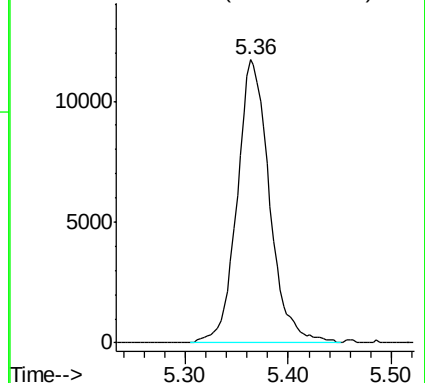
Lab File: VU034619.D

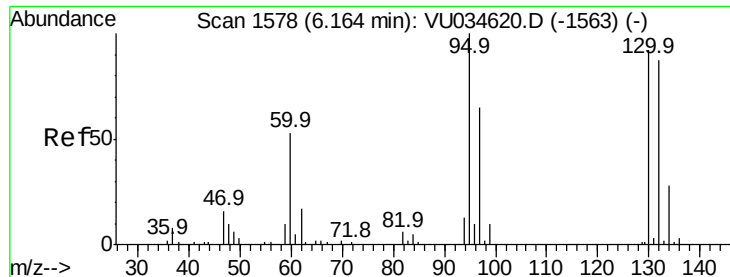
Acq: 17 Sep 2019 16:49

Tgt Ion: 78 Resp: 25600



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.918 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 6383

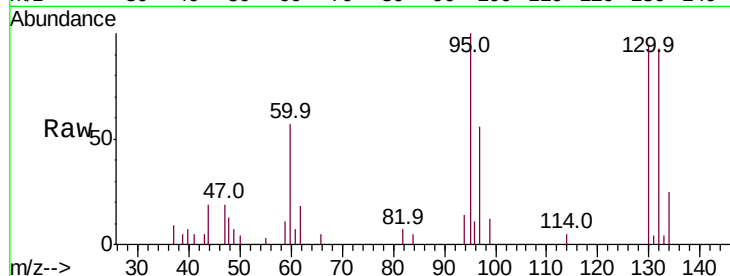
Ion Ratio Lower Upper

95 100

97 55.7 45.2 84.0

132 93.1 60.9 113.1

130 93.6 64.3 119.3

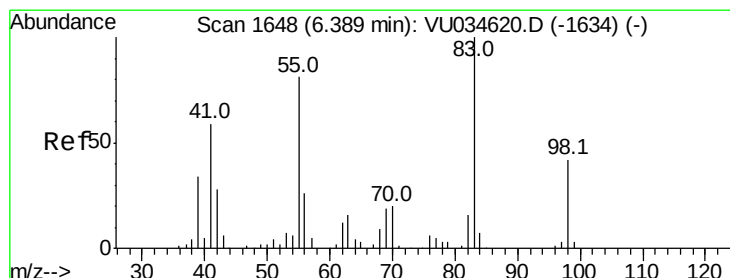
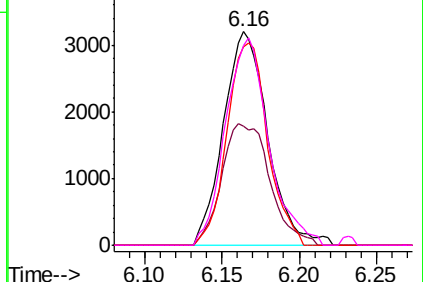
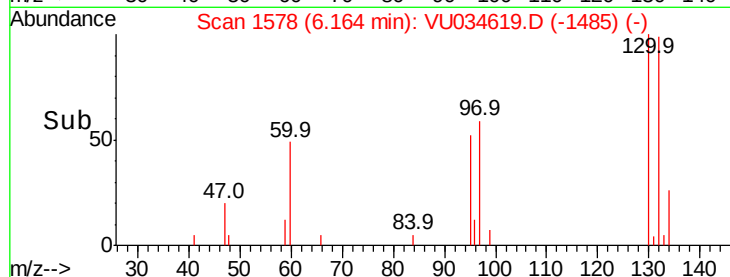


Abundance Ion 95.00 (94.70 to 95.70): VU034619.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034619.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034619.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034619.D (-1485) (-)



#35

Methylcyclohexane

Concen: 1.138 ug/L

RT: 6.39 min Scan# 1647

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

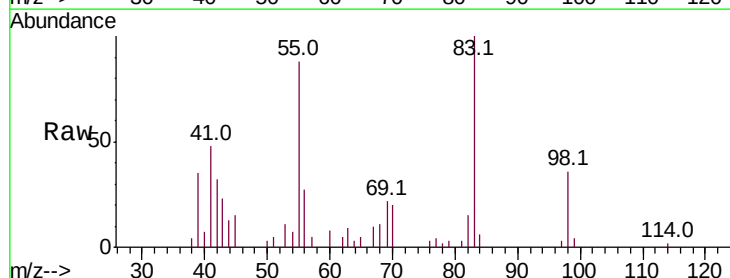
Tgt Ion: 83 Resp: 10331

Ion Ratio Lower Upper

83 100

55 90.4 66.8 100.2

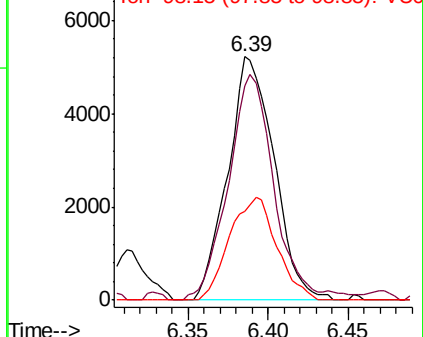
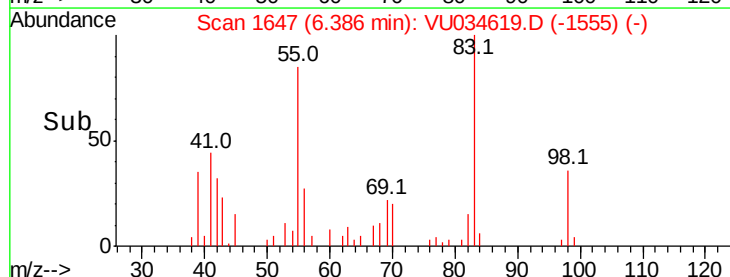
98 43.0 35.4 53.0

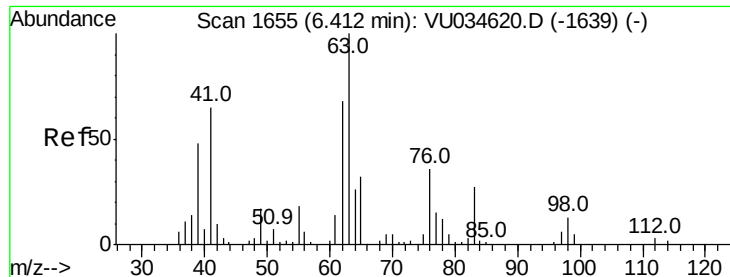


Abundance Ion 83.15 (82.85 to 83.85): VU034619.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU034619.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU034619.D (-1555) (-)

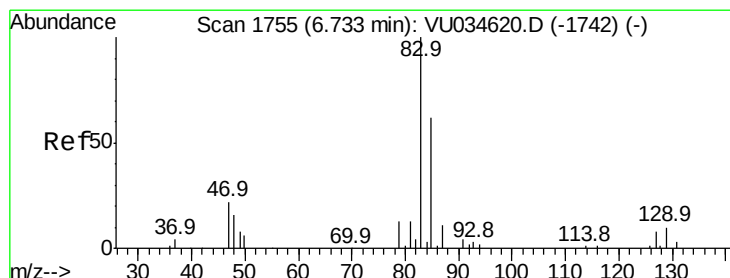
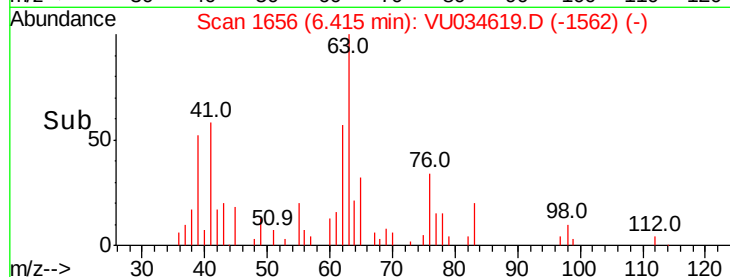
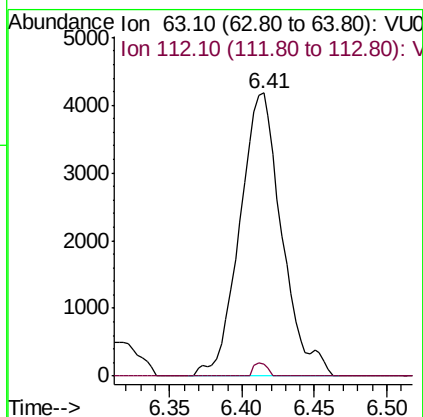
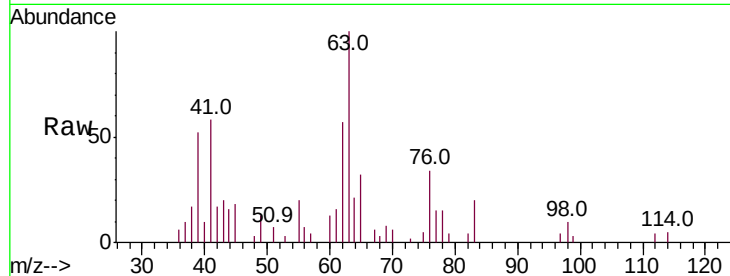




#37
 1,2-Dichloropropane
 Concen: 1.027 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

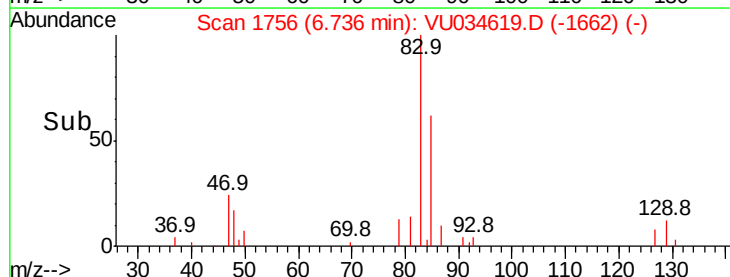
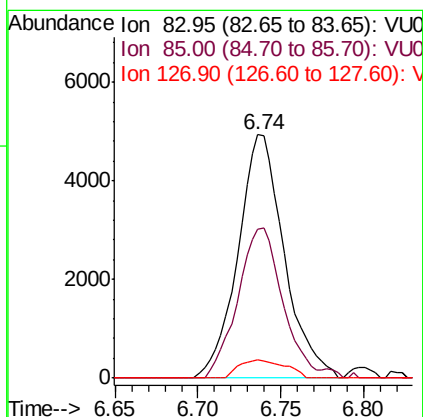
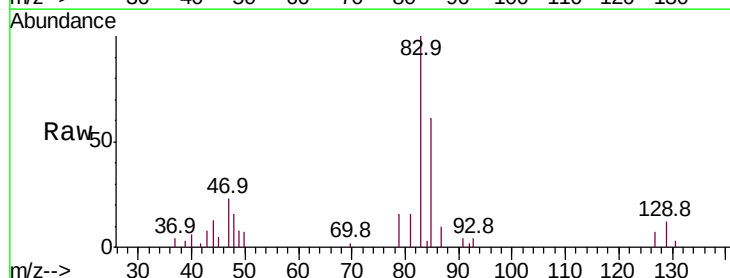
Instrument :
 MSVOA_U
 ClientSampled :

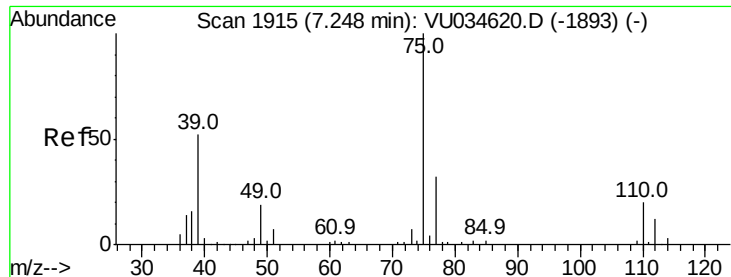
Tot Ion: 63 Resp: 8429
 Ion Ratio Lower Upper
 63 100
 112 1.5 2.2 3.2#



#38
 Bromodichloromethane
 Concen: 0.932 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion: 83 Resp: 9568
 Ion Ratio Lower Upper
 83 100
 85 60.9 43.4 80.6
 127 7.4 6.2 9.2

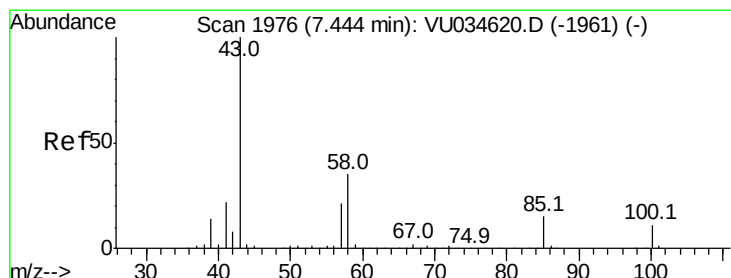
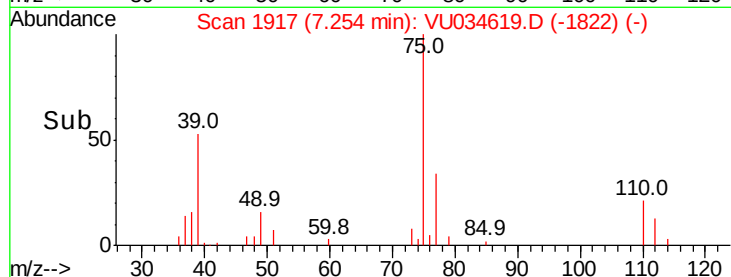
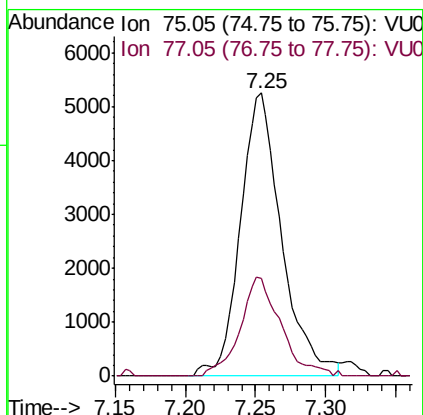
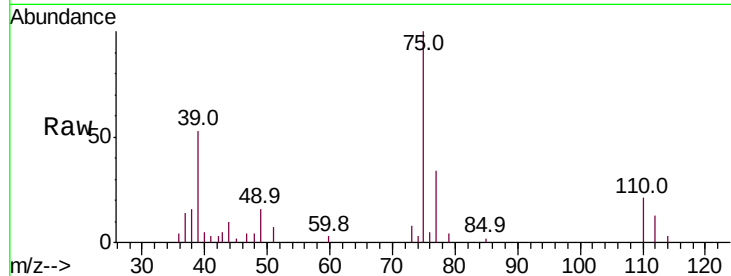




#39
 cis-1,3-Dichloropropene
 Concen: 0.880 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

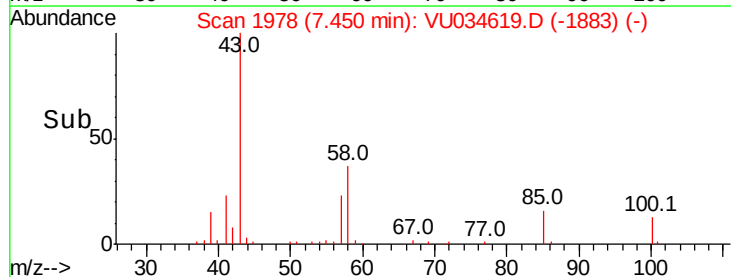
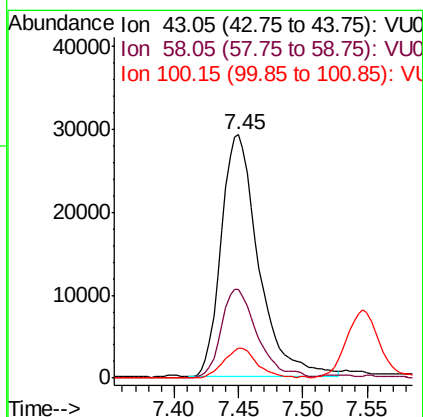
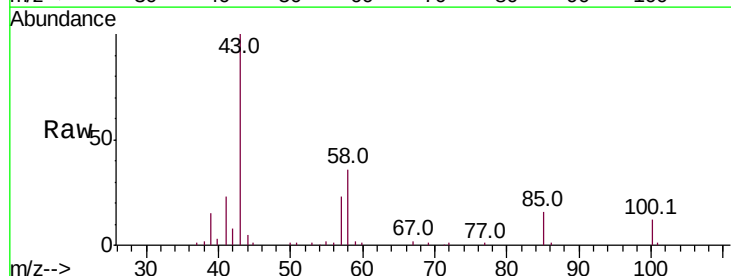
Instrument :
 MSVOA_U
 ClientSampleId :

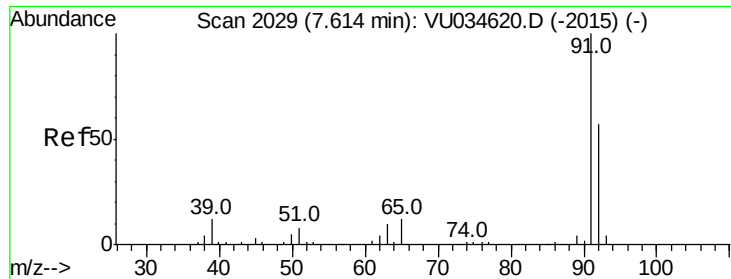
Tot Ion: 75 Resp: 10741
 Ion Ratio Lower Upper
 75 100
 77 34.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 8.747 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion: 43 Resp: 58497
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.6 42.8
 100 11.2 8.9 13.3





#42

Toluene

Concen: 0.946 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

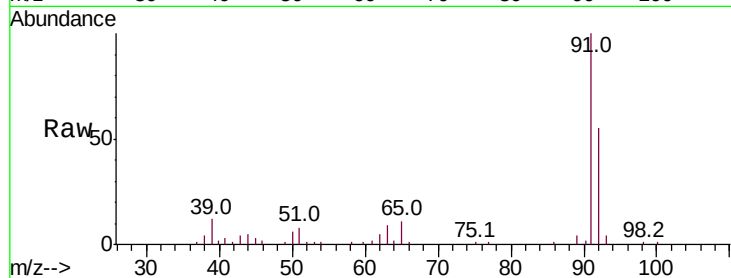
ClientSampleId :

Tot Ion: 91 Resp: 27906

Ion Ratio Lower Upper

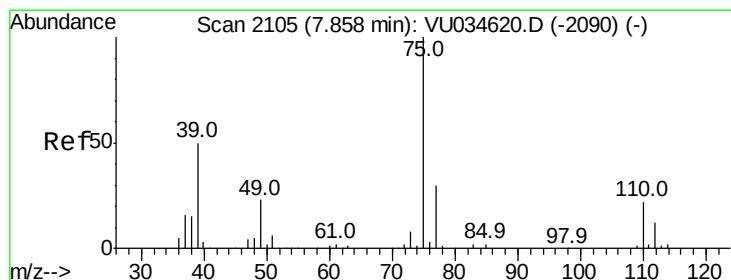
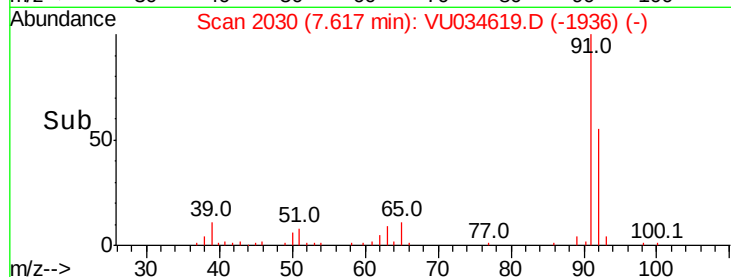
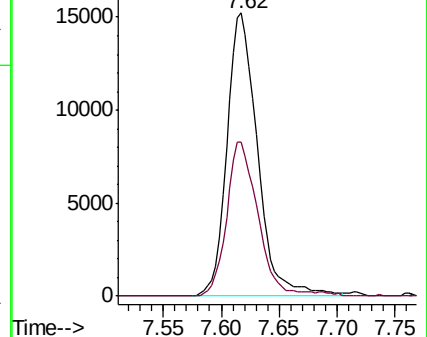
91 100

92 54.6 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034619.D (-2030) (-)

Ion 92.15 (91.85 to 92.85): VU034619.D (-2030) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.863 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034619.D

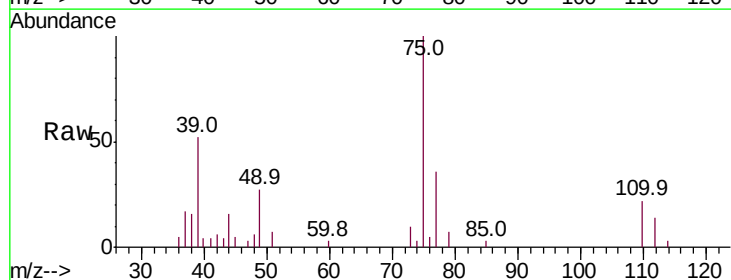
Acq: 17 Sep 2019 16:49

Tgt Ion: 75 Resp: 8746

Ion Ratio Lower Upper

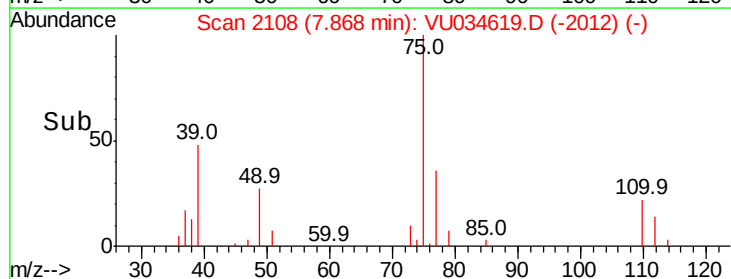
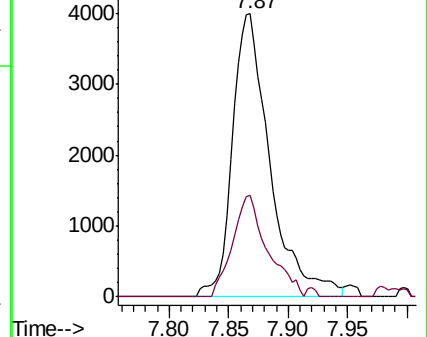
75 100

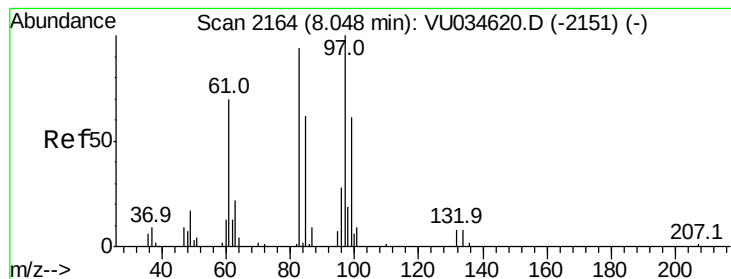
77 36.0 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU034619.D (-2108) (-)

Ion 77.05 (76.75 to 77.75): VU034619.D (-2108) (-)





#45

1,1,2-Trichloroethane

Concen: 0.902 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 5203

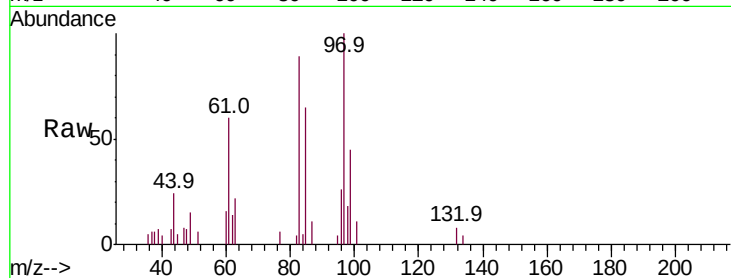
Ion Ratio Lower Upper

97 100

99 44.6 42.5 78.9

83 88.9 65.9 122.5

85 65.3 43.5 80.9

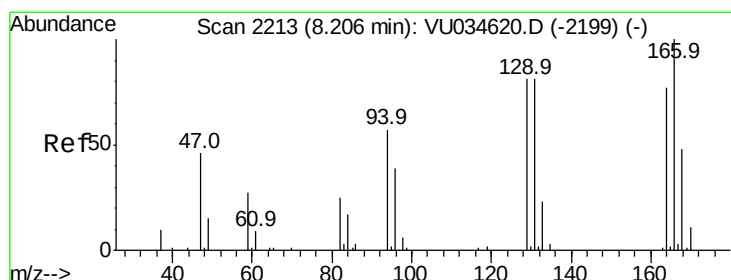
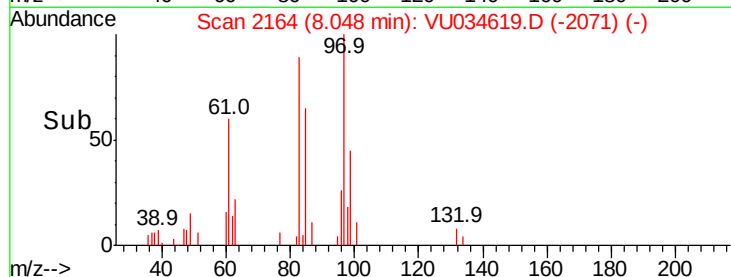
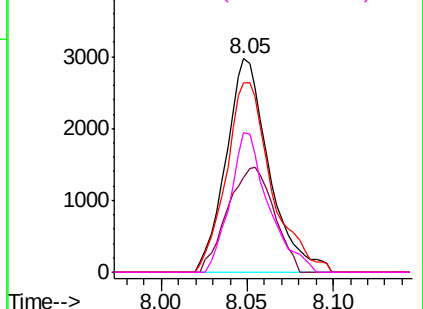


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.927 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Tgt Ion: 164 Resp: 3933

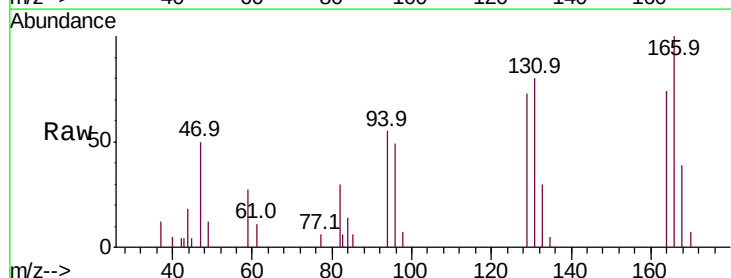
Ion Ratio Lower Upper

164 100

129 98.5 73.6 136.8

131 108.1 73.4 136.4

166 135.0 90.6 168.3

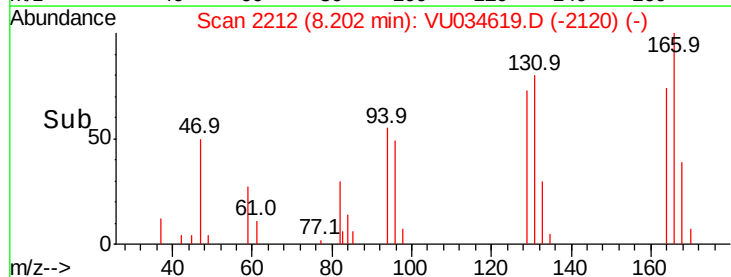
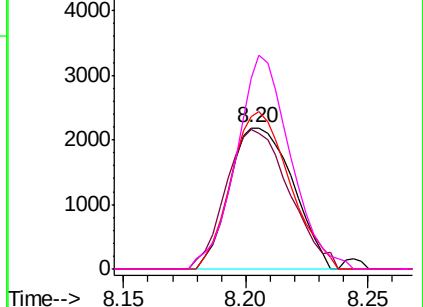


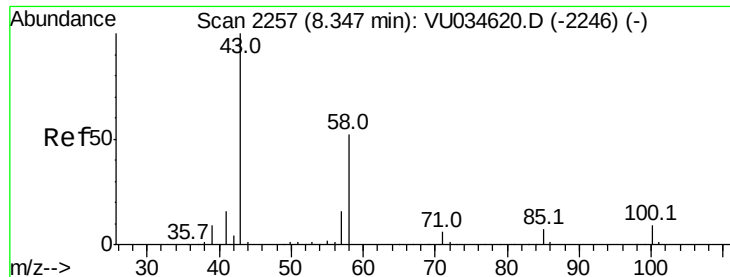
Abundance Ion 163.90 (163.60 to 164.60): V

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

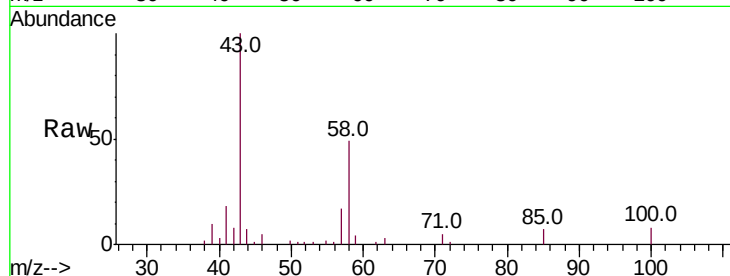




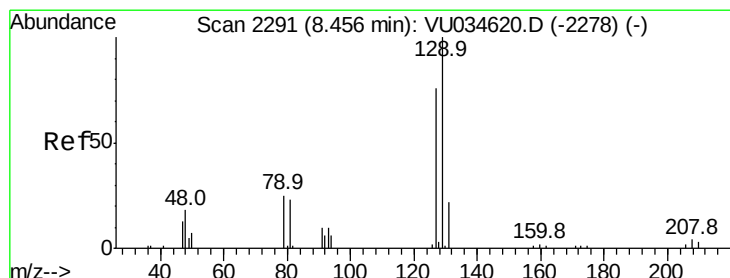
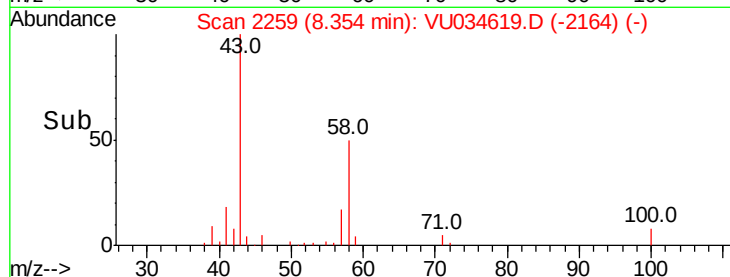
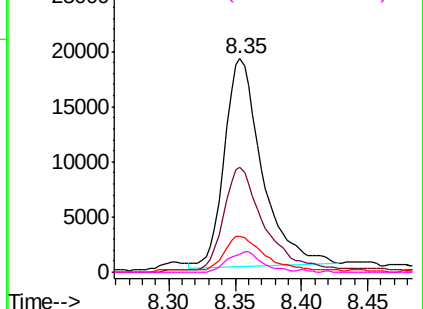
#48
2-Hexanone
Concen: 8.280 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 37448
Ion Ratio Lower Upper
43 100
58 52.1 41.2 61.8
57 17.3 13.3 19.9
100 8.9 7.2 10.8

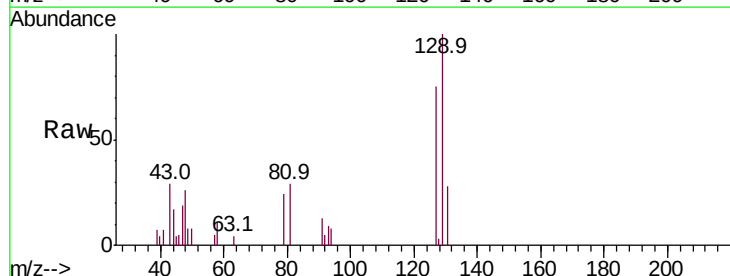


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

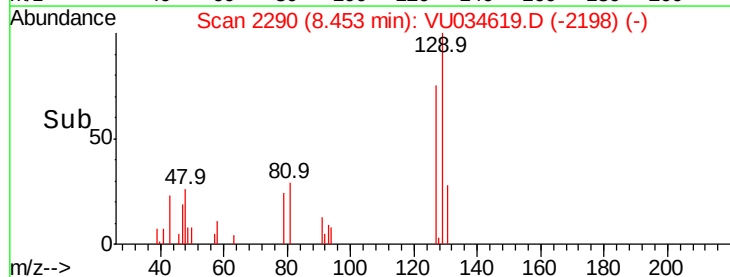
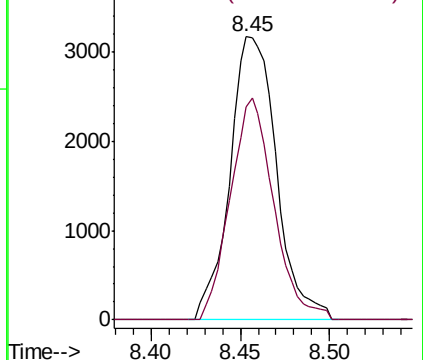


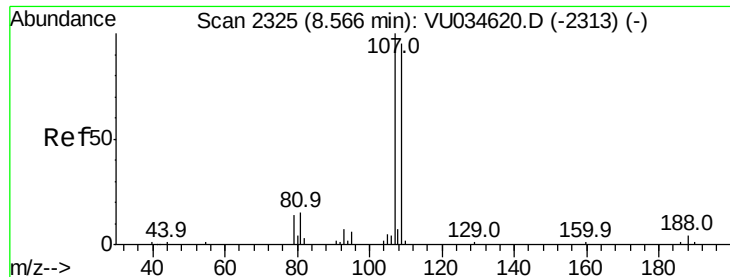
#49
Dibromochloromethane
Concen: 0.830 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Tgt Ion: 129 Resp: 5757
Ion Ratio Lower Upper
129 100
127 75.1 53.0 98.4



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

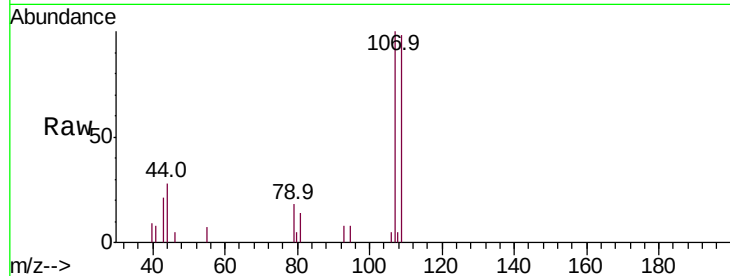




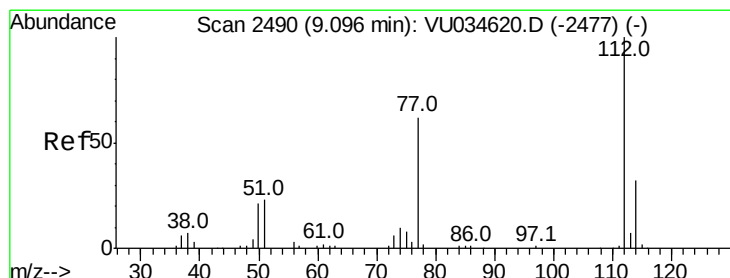
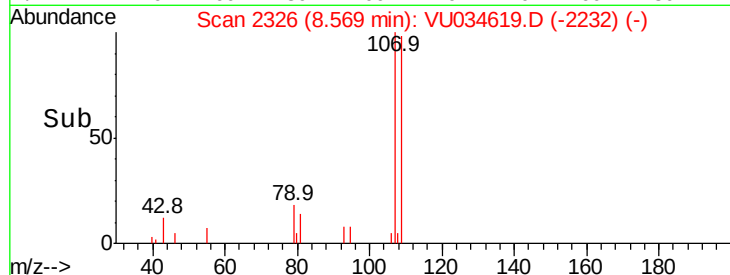
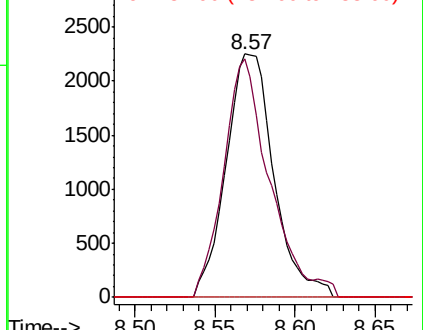
#50
 1,2-Dibromoethane
 Concen: 0.846 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 4593
 Ion Ratio Lower Upper
 107 100
 109 97.7 66.3 123.1
 188 0.0 2.9 4.3#

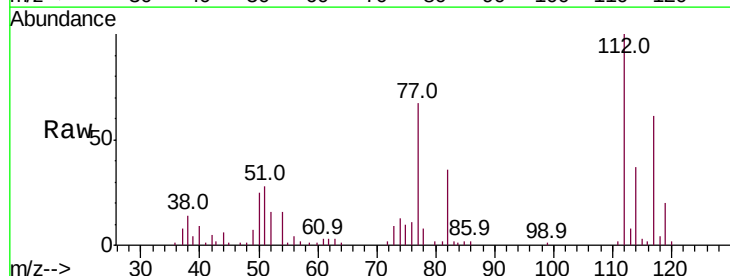


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

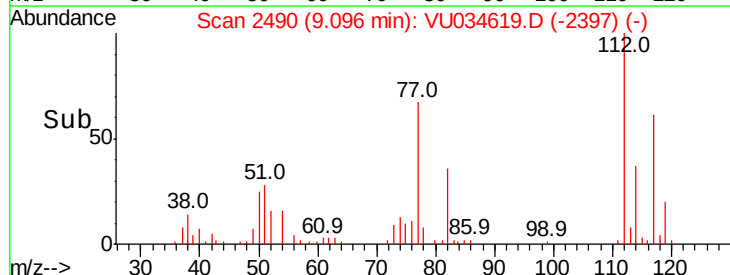
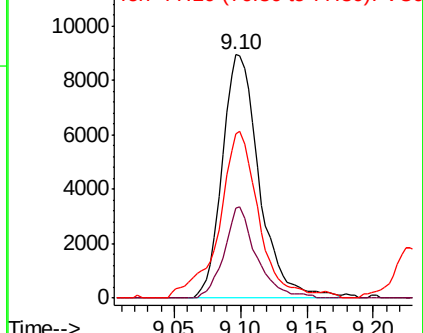


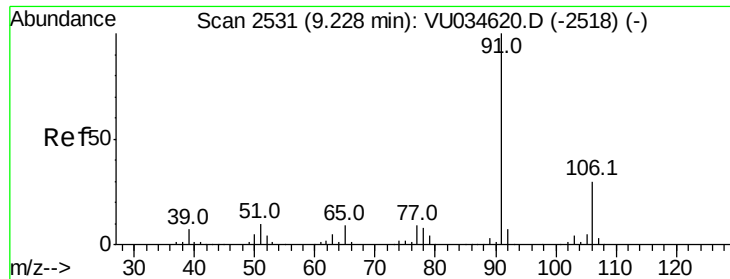
#51
 Chlorobenzene
 Concen: 0.910 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion:112 Resp: 17345
 Ion Ratio Lower Upper
 112 100
 114 37.0 22.5 41.7
 77 67.5 50.3 75.5



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): VU





#52

Ethylbenzene

Concen: 0.974 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

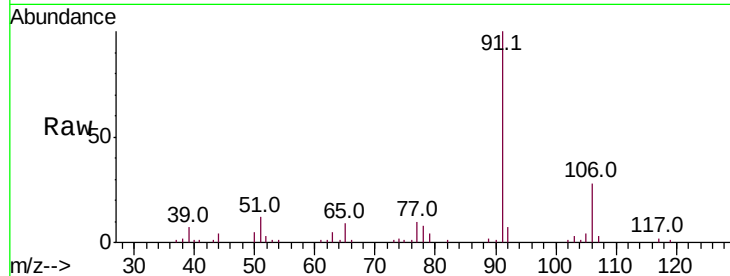
ClientSampleId :

Tot Ion: 91 Resp: 32659

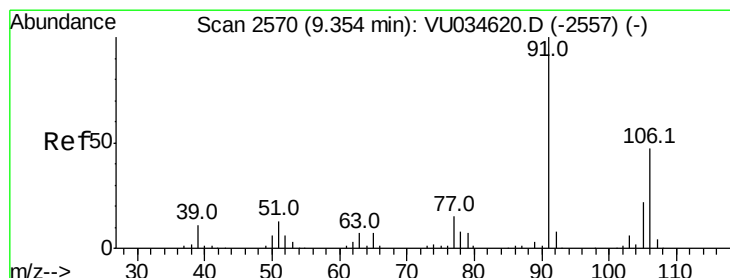
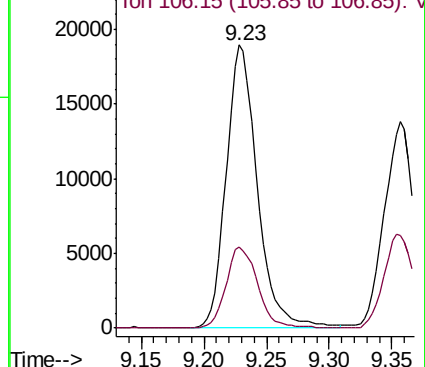
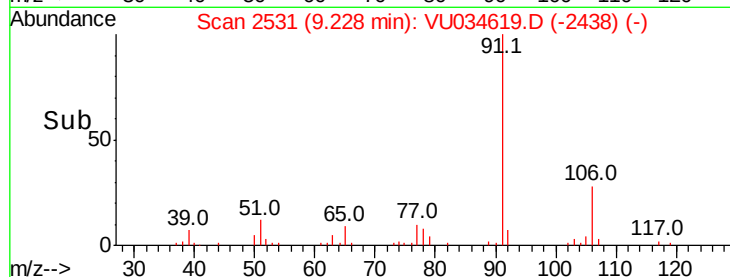
Ion Ratio Lower Upper

91 100

106 28.5 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034619.D (-2438) (-)



#53

m,p-Xylene

Concen: 0.918 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034619.D

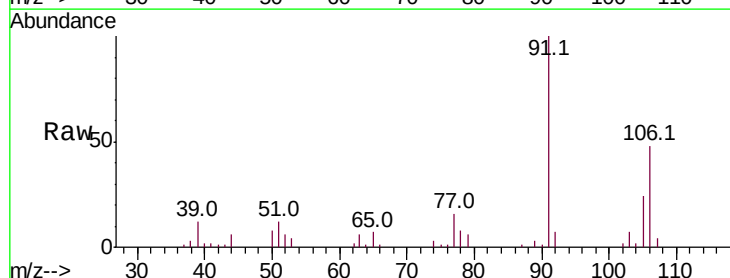
Acq: 17 Sep 2019 16:49

Tgt Ion: 106 Resp: 11219

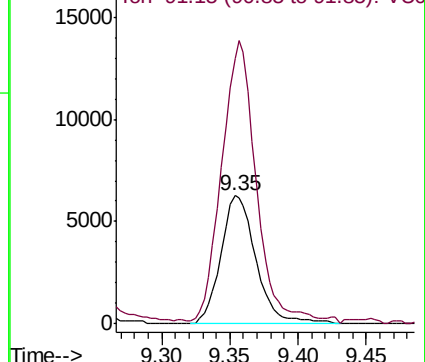
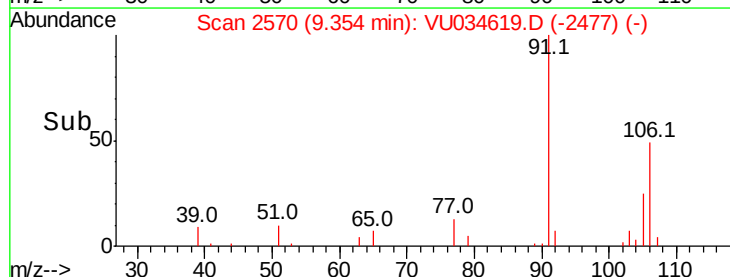
Ion Ratio Lower Upper

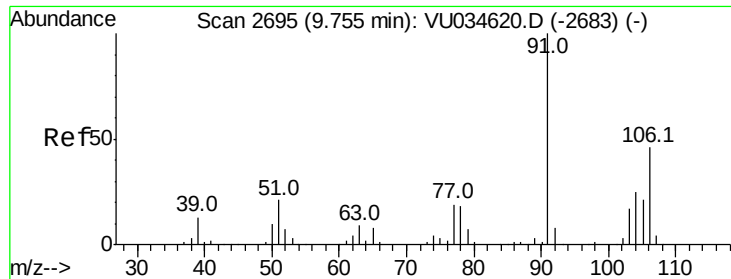
106 100

91 207.6 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034619.D (-2477) (-)

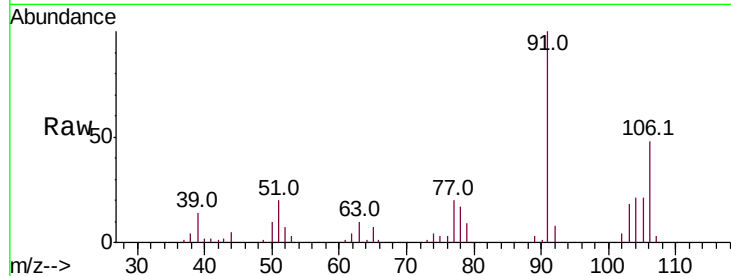




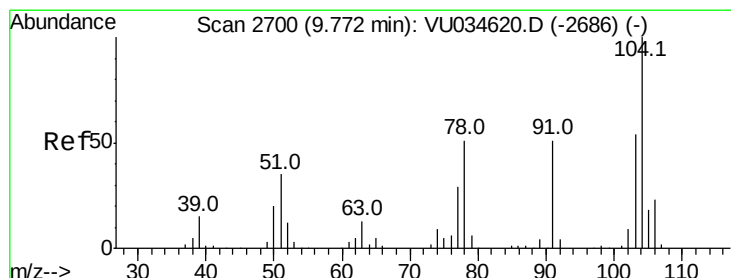
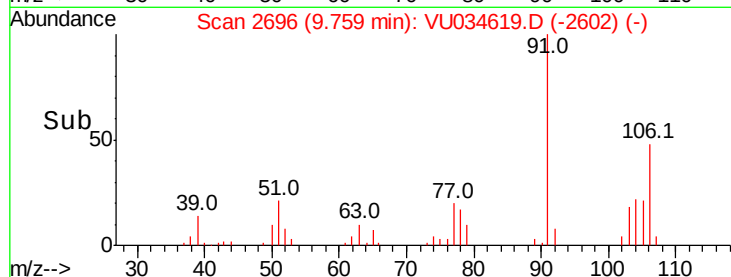
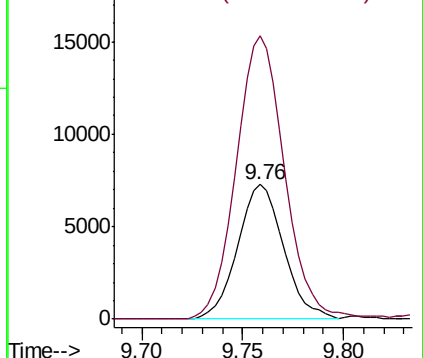
#54
o-Xylene
Concen: 0.930 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 11631
Ion Ratio Lower Upper
106 100
91 210.1 151.9 282.1

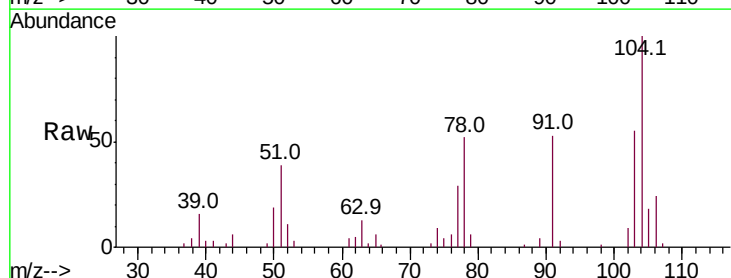


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

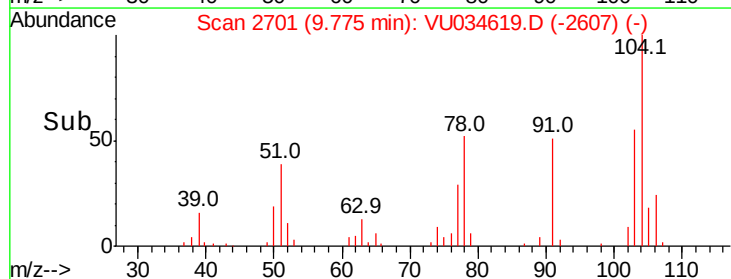
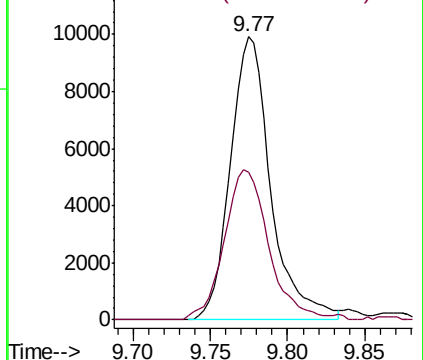


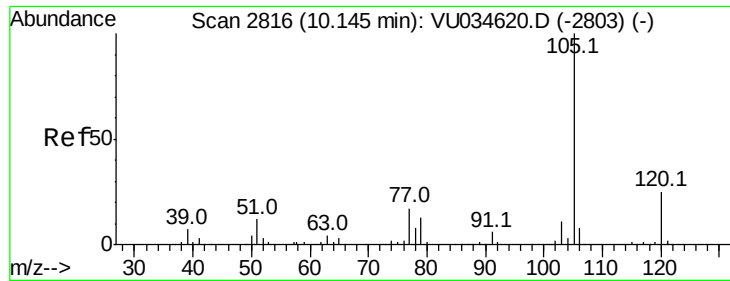
#55
Styrene
Concen: 0.847 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034619.D
Acq: 17 Sep 2019 16:49

Tgt Ion:104 Resp: 18012
Ion Ratio Lower Upper
104 100
78 52.2 35.4 65.8



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





#56

Isopropylbenzene

Concen: 0.979 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

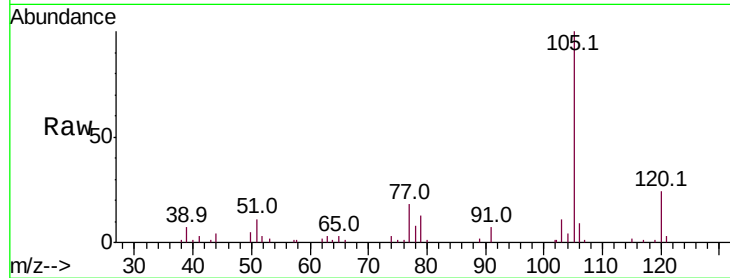
Tot Ion:105 Resp: 31894

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.6

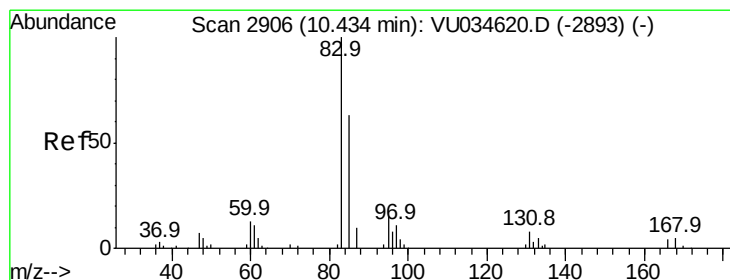
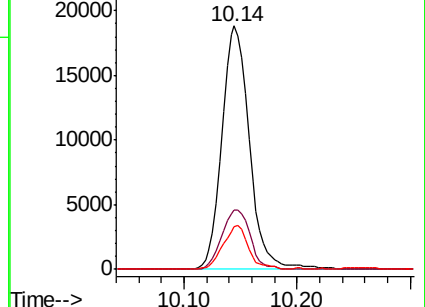
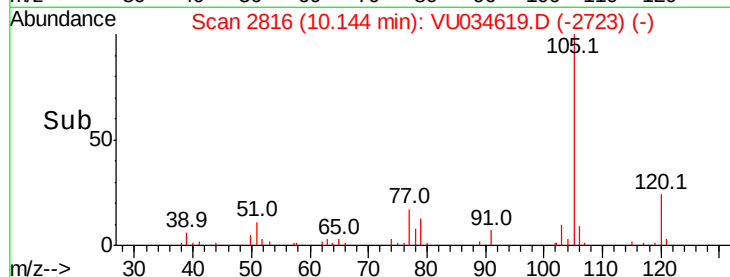
77 16.7 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.873 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

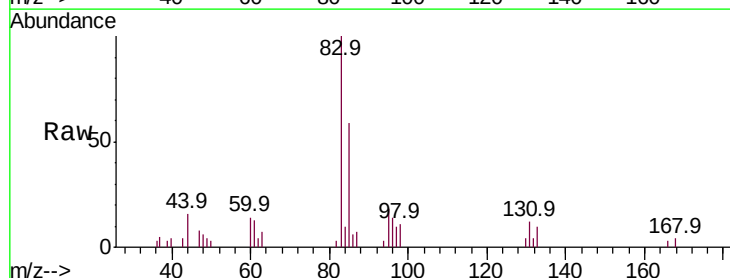
Tgt Ion: 83 Resp: 7416

Ion Ratio Lower Upper

83 100

85 59.0 44.4 82.4

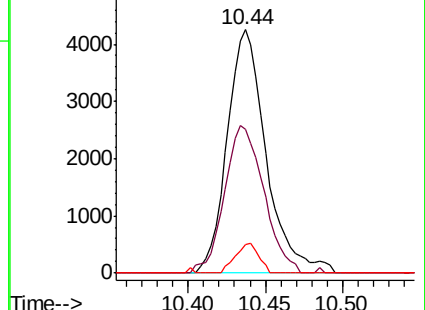
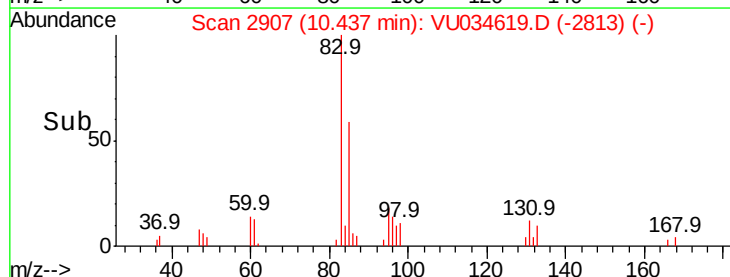
131 12.0 6.7 10.1#

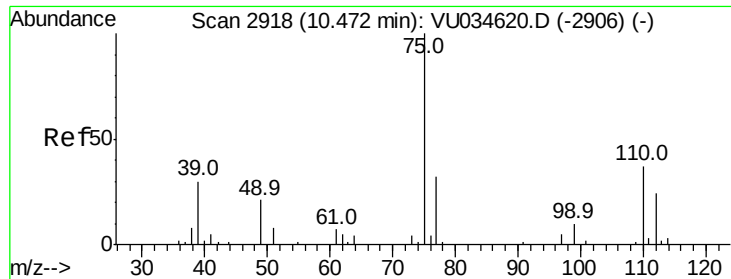


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.918 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

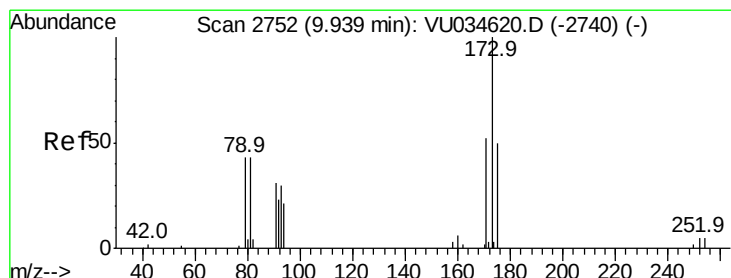
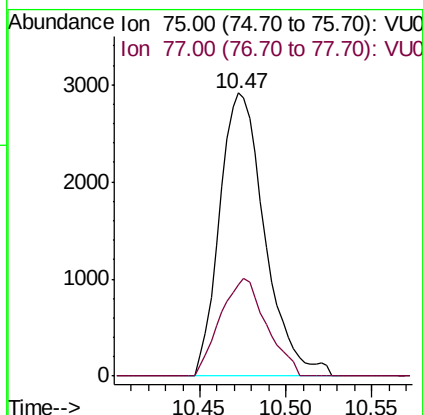
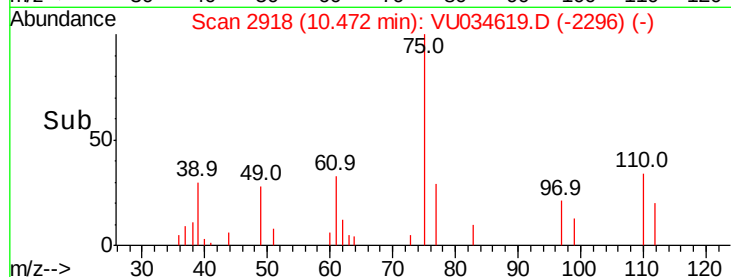
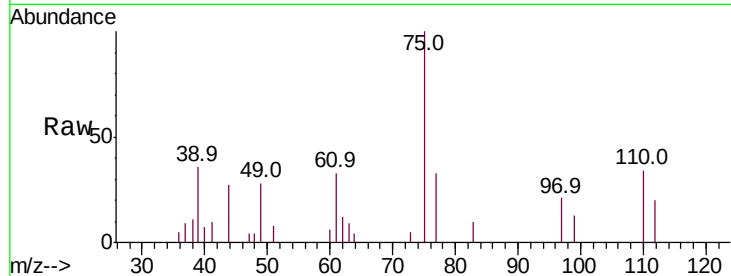
ClientSampleId :

Tot Ion: 75 Resp: 5325

Ion Ratio Lower Upper

75 100

77 35.3 26.0 39.0



#61

Bromoform

Concen: 0.797 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

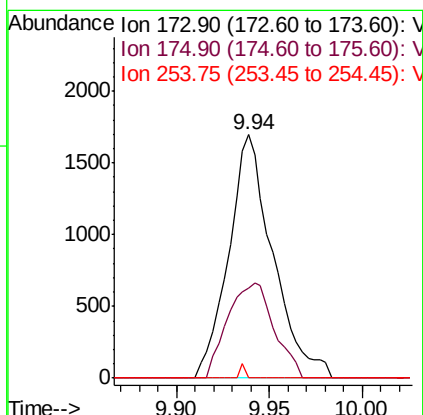
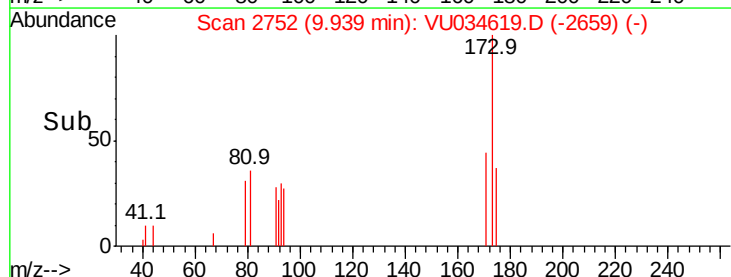
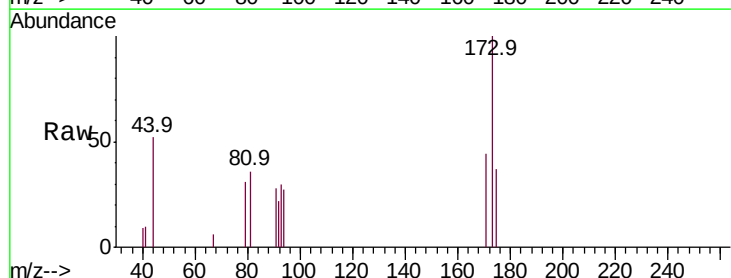
Tgt Ion: 173 Resp: 2803

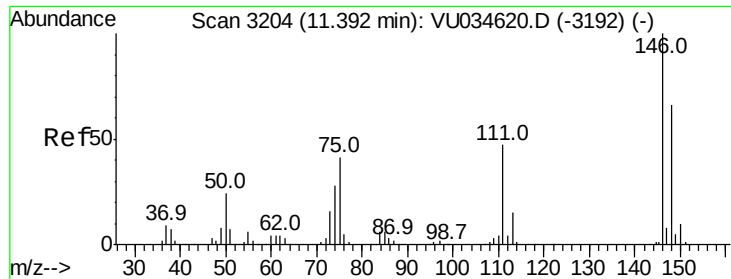
Ion Ratio Lower Upper

173 100

175 40.8 40.0 60.0

254 0.7 3.5 5.3#

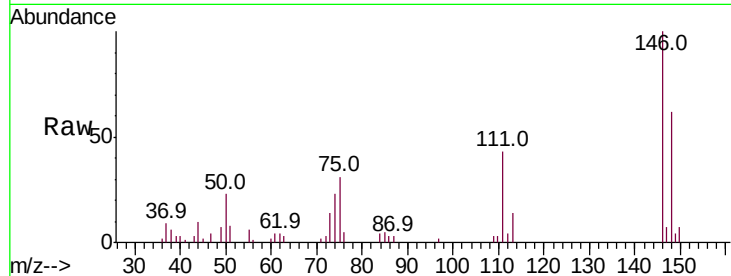




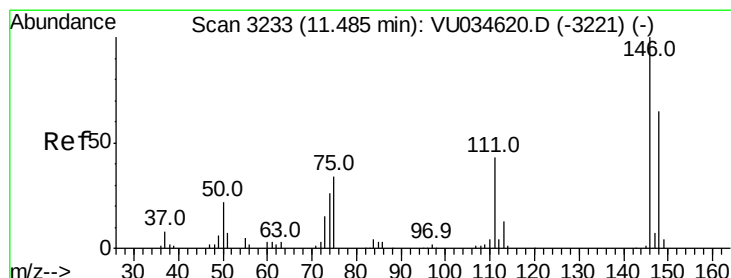
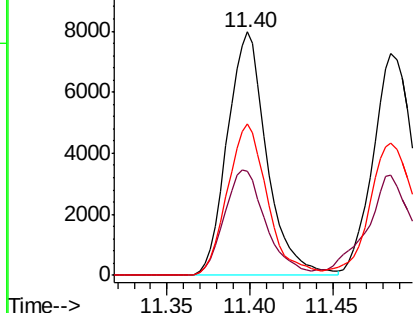
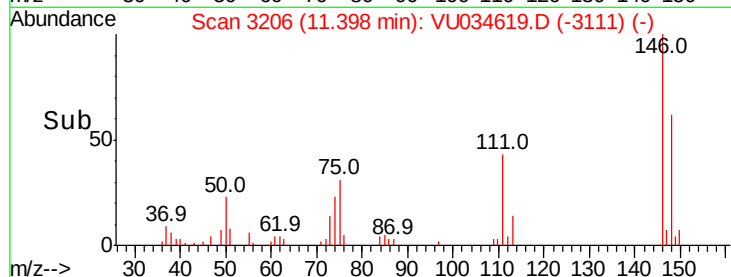
#62
 1,3-Dichlorobenzene
 Concen: 0.956 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.01 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 13170
 Ion Ratio Lower Upper
 146 100
 111 42.7 32.8 61.0
 148 62.1 45.9 85.3

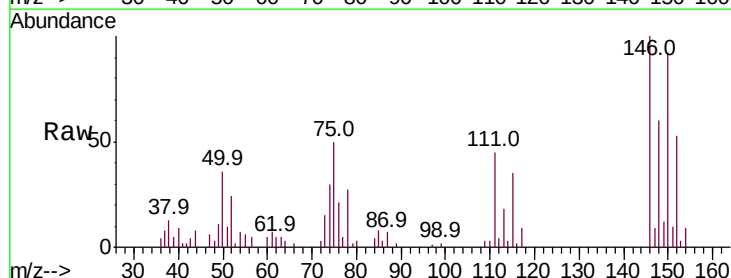


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

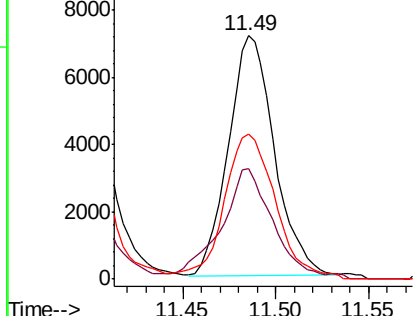
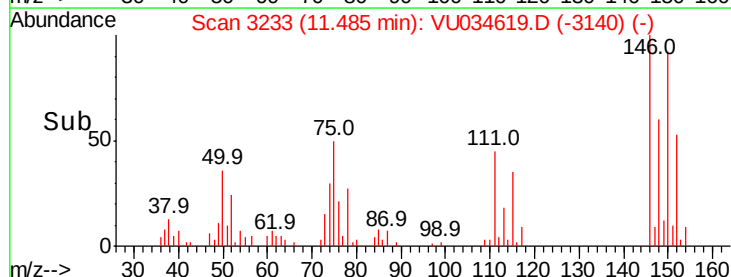


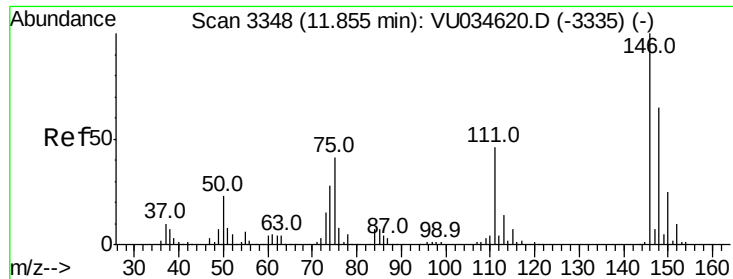
#63
 1,4-Dichlorobenzene
 Concen: 0.899 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion:146 Resp: 12360
 Ion Ratio Lower Upper
 146 100
 111 45.2 30.2 56.2
 148 59.5 45.4 84.4



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: 0.975 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

Instrument :

MSVOA_U

ClientSampled :

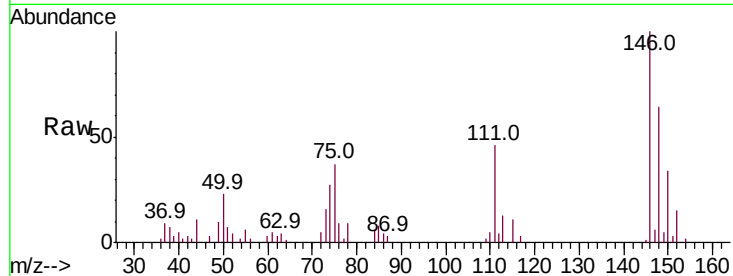
Tot Ion:146 Resp: 12814

Ion Ratio Lower Upper

146 100

111 45.5 37.1 55.7

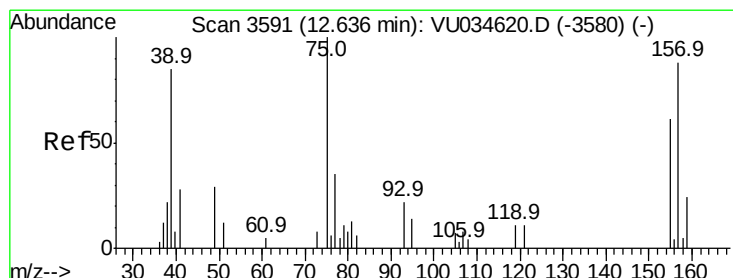
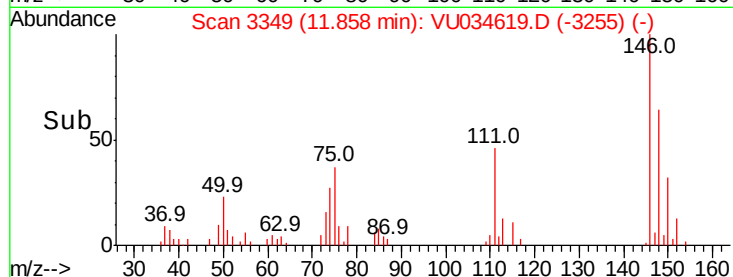
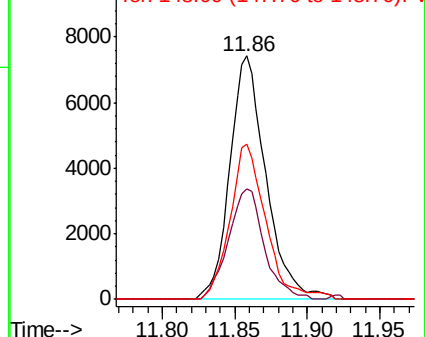
148 63.7 51.8 77.6



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: 0.748 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034619.D

Acq: 17 Sep 2019 16:49

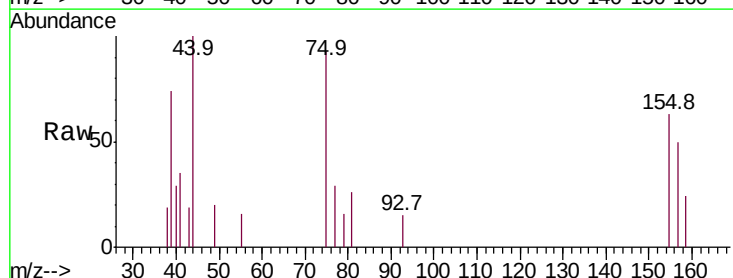
Tgt Ion: 75 Resp: 982

Ion Ratio Lower Upper

75 100

155 68.2 49.1 73.7

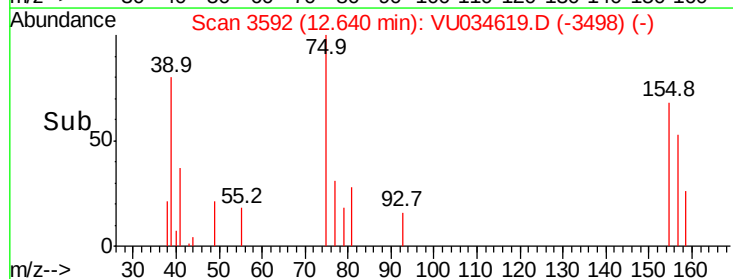
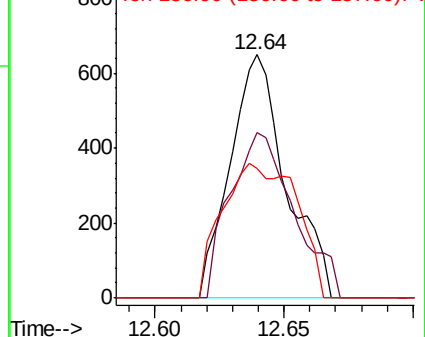
157 53.2 70.8 106.2#

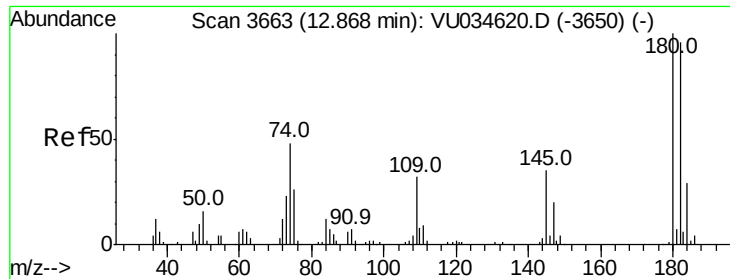


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

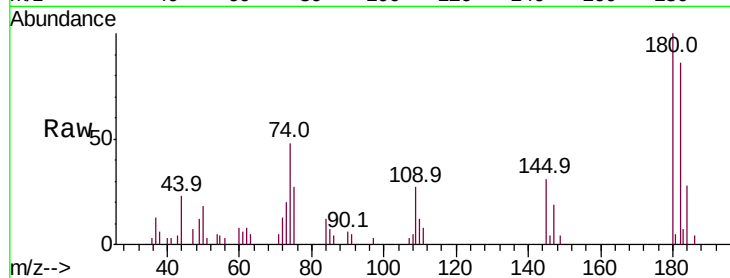




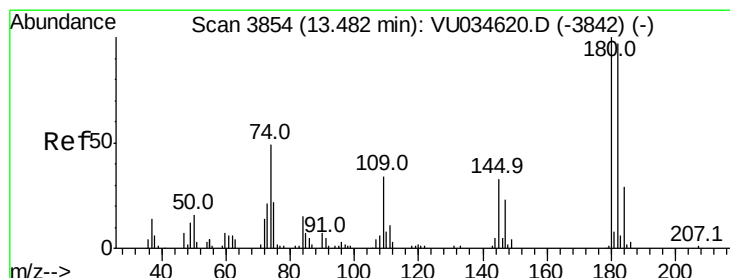
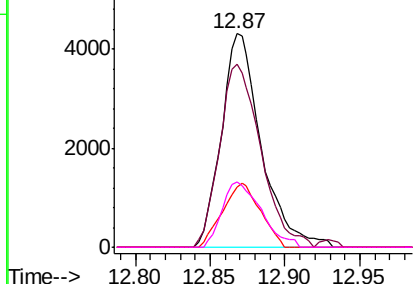
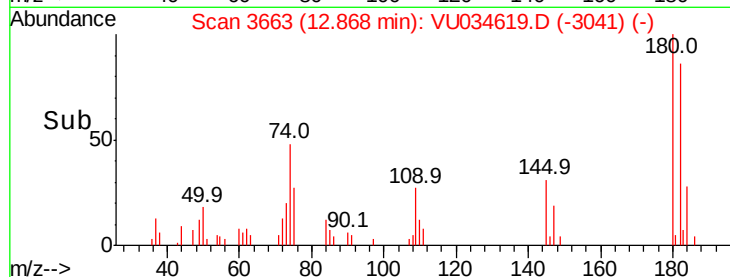
#67
 1,3,5-Trichlorobenzene
 Concen: 0.866 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 7999
 Ion Ratio Lower Upper
 180 100
 182 88.6 74.5 111.7
 184 28.3 23.4 35.2
 145 30.1 27.0 40.4

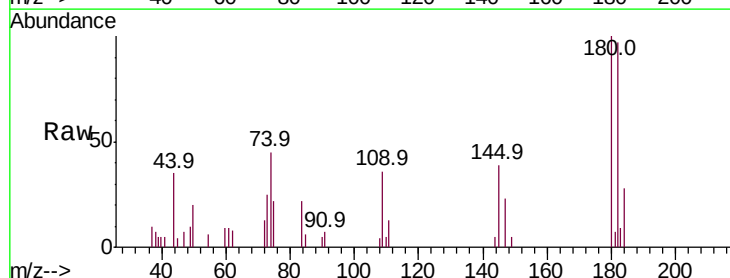


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

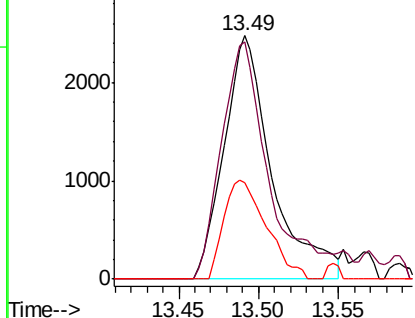
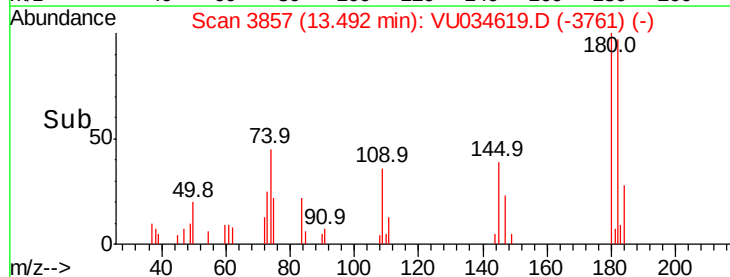


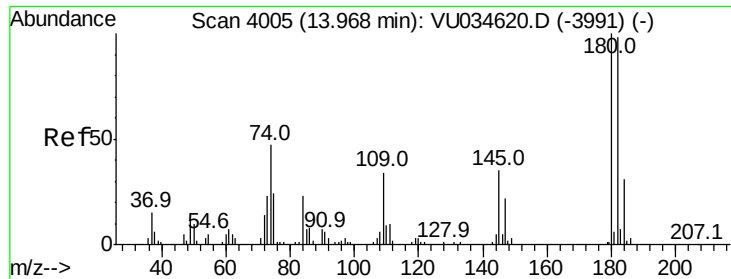
#68
 1,2,4-trichlorobenzene
 Concen: 0.683 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Tgt Ion:180 Resp: 5061
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.9 115.3
 145 35.9 26.2 39.4



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

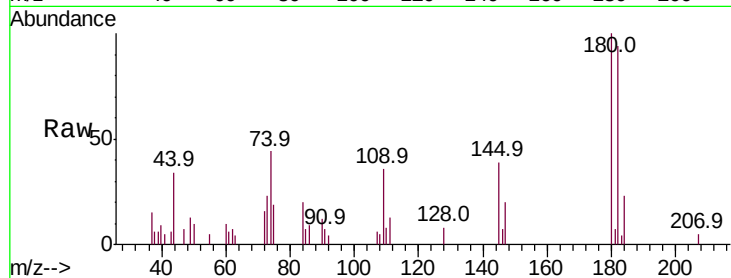




#70
 1,2,3-Trichlorobenzene
 Concen: 0.753 ug/L
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034619.D
 Acq: 17 Sep 2019 16:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 5348
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 145 32.8 28.9 43.3



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

