

Data File : VU034655.D
Acq On : 19 Sep 2019 17:54
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Quant Time: Sep 20 03:46:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 19 17:44:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	543659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	519619	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	255495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	285756	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.68%
7) Chloroethane-d5	1.67	69	222465	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.44%
11) 1,1-Dichloroethene-d2	2.26	63	486005	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
21) 2-Butanone-d5	4.14	46	443739	104.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.03%
24) Chloroform-d	4.62	84	425535	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
26) 1,2-Dichloroethane-d4	5.28	65	304440	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.36%
32) Benzene-d6	5.32	84	850797	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.66%
36) 1,2-Dichloropropane-d6	6.31	67	293474	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.26%
41) Toluene-d8	7.54	98	815195	53.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	7.83	79	146796	54.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.90%
47) 2-Hexanone-d5	8.29	63	284882	100.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	400318	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.84	152	275615	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	279925	49.957 ug/L	99
3) Chloromethane	1.32	50	315342	46.982 ug/L	100
5) Vinyl chloride	1.40	62	291311	47.521 ug/L	99
6) Bromomethane	1.62	94	160919	48.063 ug/L	98
8) Chloroethane	1.69	64	168705	47.804 ug/L	99
9) Trichlorofluoromethane	1.87	101	371204	48.024 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	182439	49.227 ug/L	99
12) 1,1-Dichloroethene	2.27	96	170570	47.954 ug/L	98
13) Acetone	2.30	43	396173	79.842 ug/L	100
14) Carbon disulfide	2.46	76	591265	49.265 ug/L	99
15) Methyl Acetate	2.60	43	311526	47.000 ug/L	98
16) Methylene chloride	2.68	84	215330	47.791 ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	196145	50.437 ug/L	88
18) Methyl tert-butyl Ether	2.98	73	700011	48.518 ug/L	99
19) 1,1-Dichloroethane	3.42	63	424612	47.595 ug/L	99
22) 2-Butanone	4.23	43	507946	86.047 ug/L	99
23) Bromochloromethane	4.52	128	102583	47.133 ug/L	99

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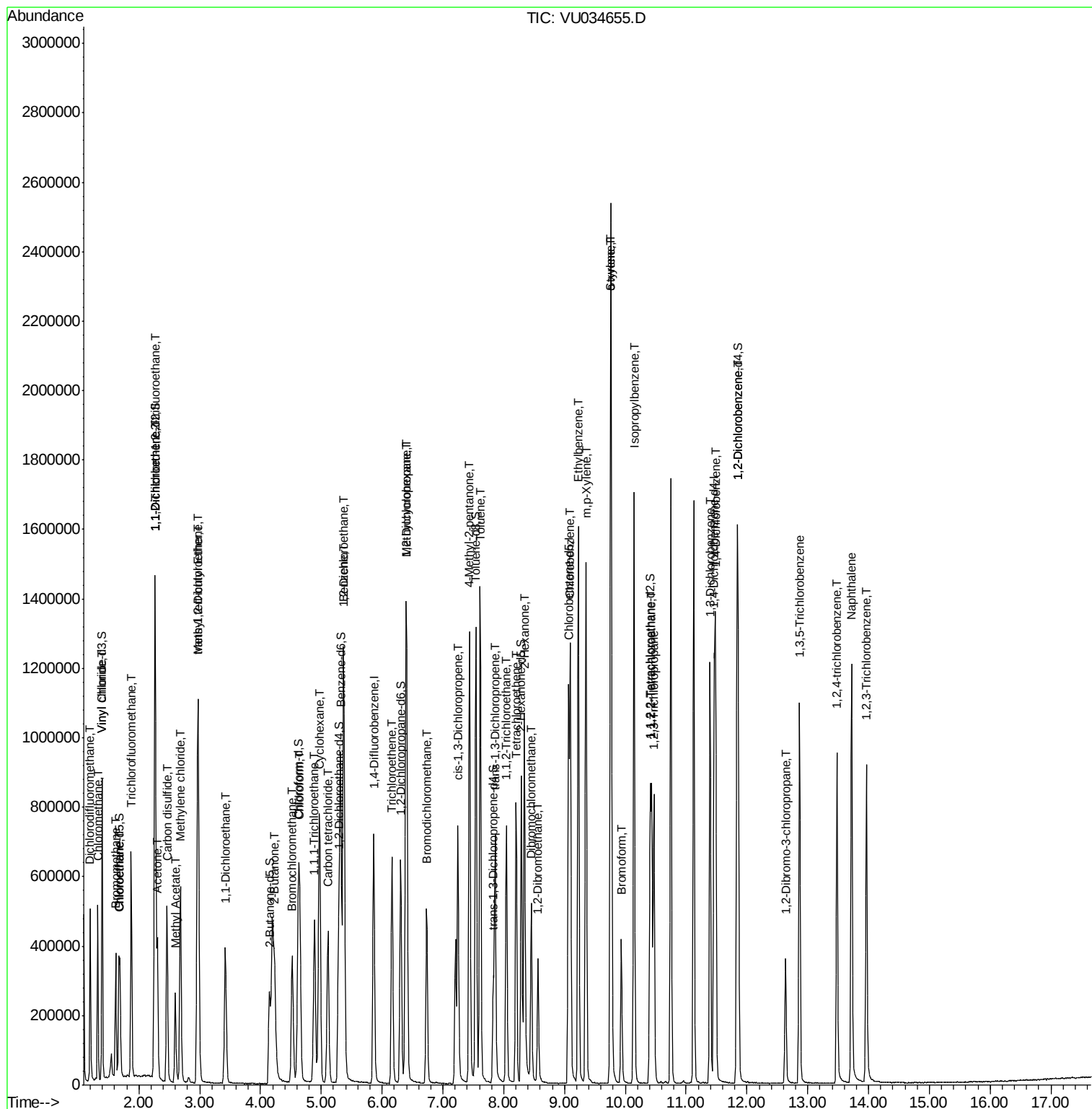
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	416962	47.462	ug/L	99
27) 1,2-Dichloroethane	5.38	62	356768	47.012	ug/L	99
29) Cyclohexane	4.97	56	419217	48.879	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	342069	48.368	ug/L	98
31) Carbon tetrachloride	5.11	117	292392	48.510	ug/L	99
33) Benzene	5.36	78	883850	49.044	ug/L	100
34) Trichloroethene	6.16	95	222195	49.923	ug/L	98
35) Methylcyclohexane	6.39	83	375604	49.729	ug/L	99
37) 1,2-Dichloropropane	6.41	63	258696	48.209	ug/L	100
38) Bromodichloromethane	6.73	83	312852	48.074	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	402979	49.979	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	954992	93.216	ug/L	99
42) Toluene	7.61	91	958830	49.230	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	363406	49.996	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	208665	48.546	ug/L	98
46) Tetrachloroethene	8.21	164	158186	50.527	ug/L	97
48) 2-Hexanone	8.34	43	771223	96.384	ug/L	99
49) Dibromochloromethane	8.45	129	237914	49.657	ug/L	94
50) 1,2-Dibromoethane	8.56	107	233747	50.458	ug/L	100
51) Chlorobenzene	9.10	112	574831	48.551	ug/L	99
52) Ethylbenzene	9.23	91	1069783	48.777	ug/L	100
53) m,p-Xylene	9.35	106	384124	49.448	ug/L	97
54) o-xylene	9.76	106	381928	49.708	ug/L	100
55) Styrene	9.77	104	654312	50.309	ug/L	99
56) Isopropylbenzene	10.14	105	1023239	49.391	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	397054	48.094	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	310560	46.337	ug/L	97
61) Bromoform	9.94	173	169374	48.149	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	428979	48.483	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	434960	48.258	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	424827	47.519	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	90473	47.611	ug/L	96
67) 1,3,5-Trichlorobenzene	12.86	180	295783	49.893	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	256407	55.000	ug/L	99
69) Naphthalene	13.72	128	897037	55.583	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	251824	52.497	ug/L	96

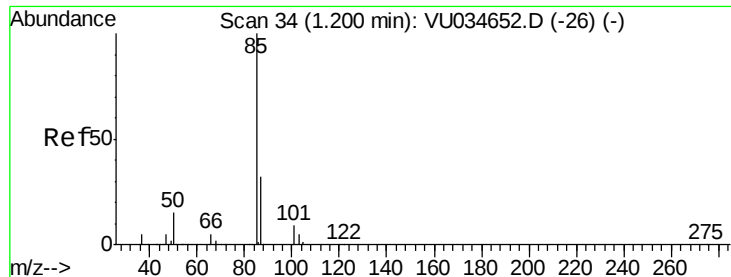
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.957 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

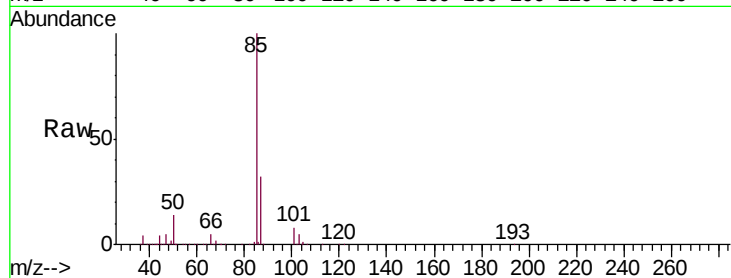
VICV36

Tgt Ion: 85 Resp: 279925

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034655.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034655.D (-1) (-)

1.20

250000

200000

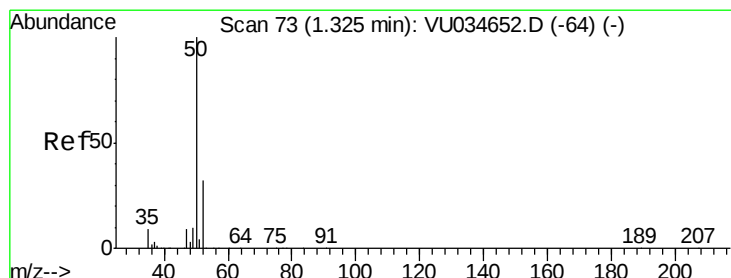
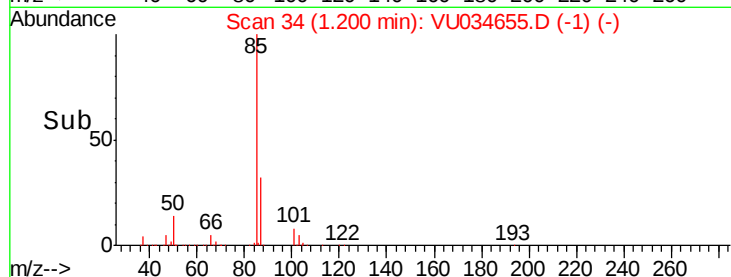
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.982 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034655.D

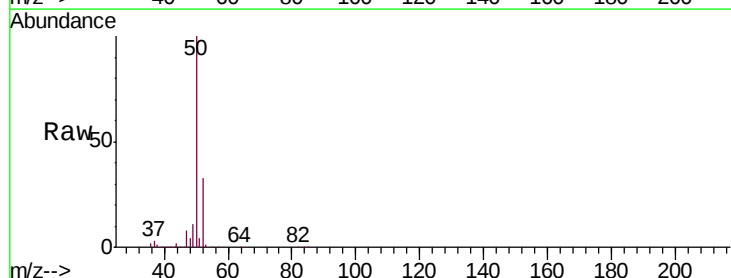
Acq: 19 Sep 2019 17:54

Tgt Ion: 50 Resp: 315342

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034655.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034655.D (-1) (-)

1.32

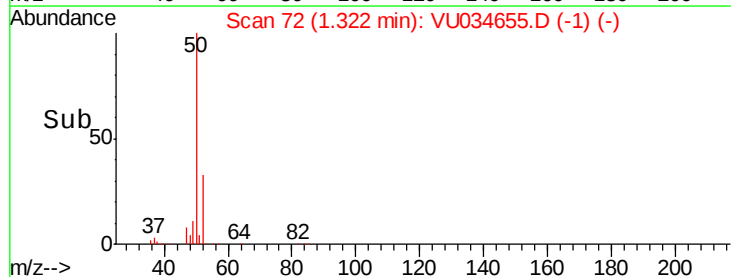
300000

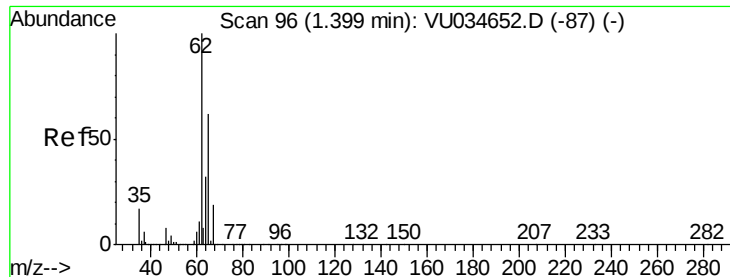
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 47.521 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

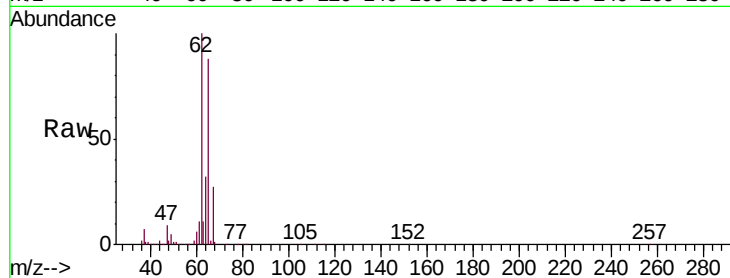
VICV36

Tgt Ion: 62 Resp: 291311

Ion Ratio Lower Upper

62 100

64 32.5 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

250000

200000

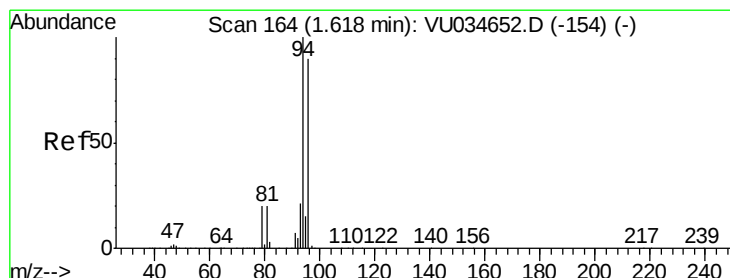
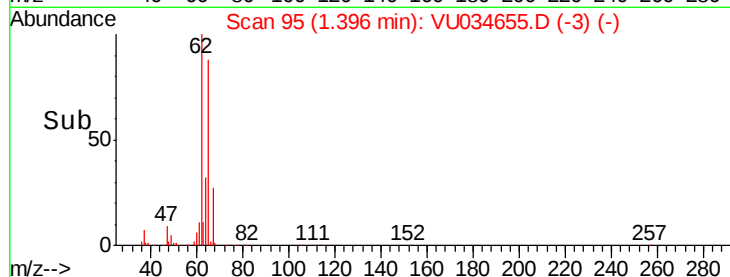
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 48.063 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034655.D

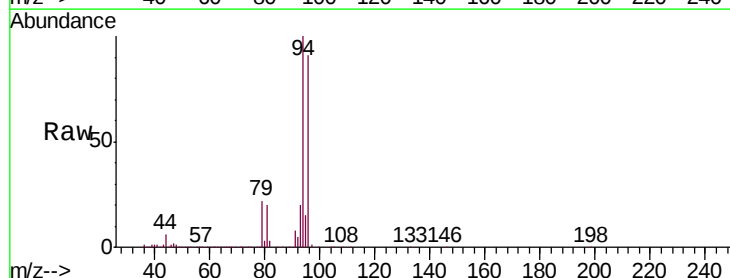
Acq: 19 Sep 2019 17:54

Tgt Ion: 94 Resp: 160919

Ion Ratio Lower Upper

94 100

96 91.5 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

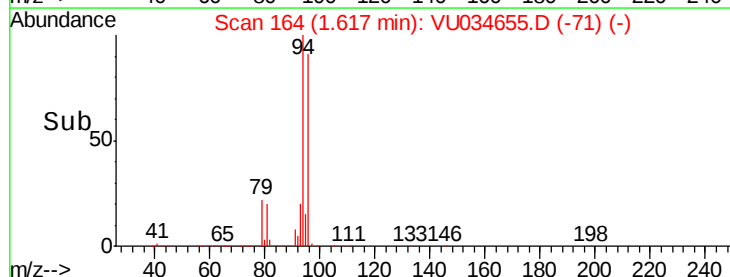
1.62

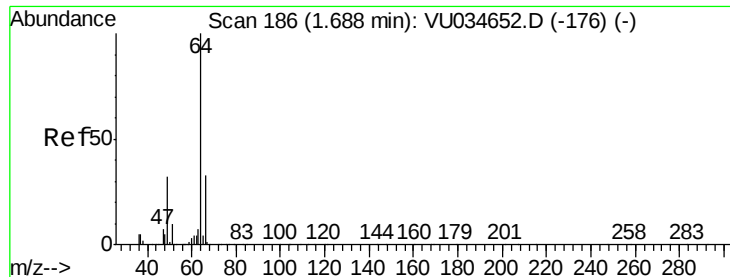
100000

50000

0

Time--> 1.55 1.60 1.65





#8

Chloroethane

Concen: 47.804 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

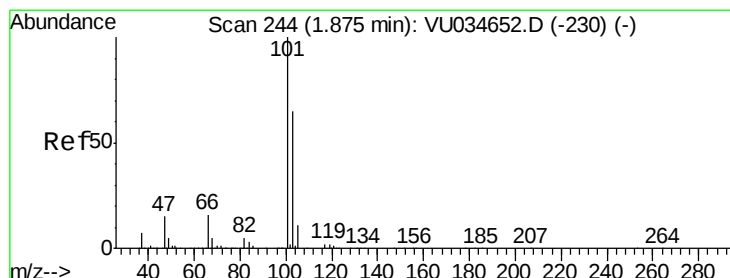
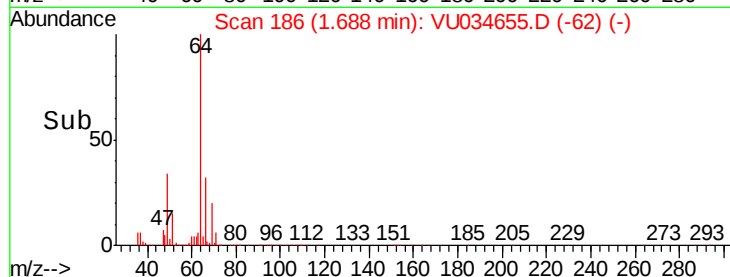
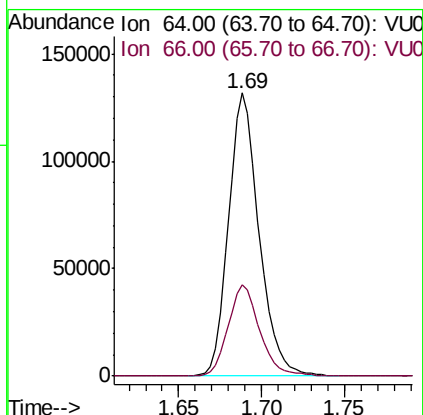
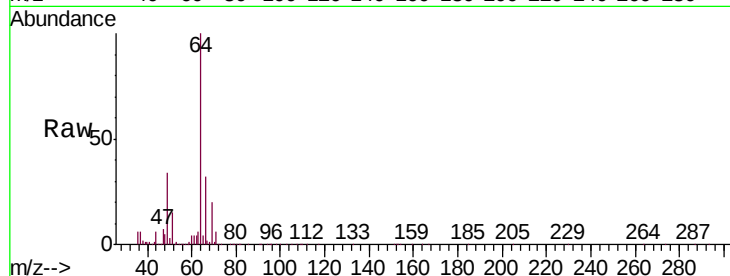
VICV36

Tgt Ion: 64 Resp: 168705

Ion Ratio Lower Upper

64 100

66 32.4 23.1 42.9



#9

Trichlorofluoromethane

Concen: 48.024 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034655.D

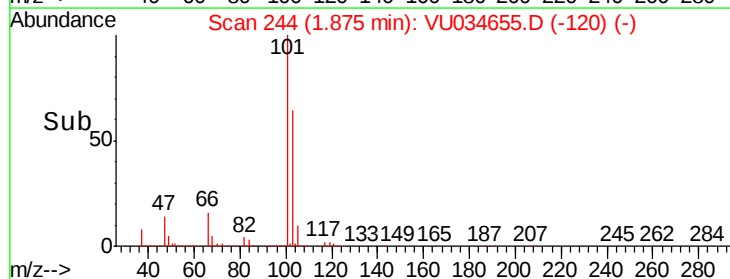
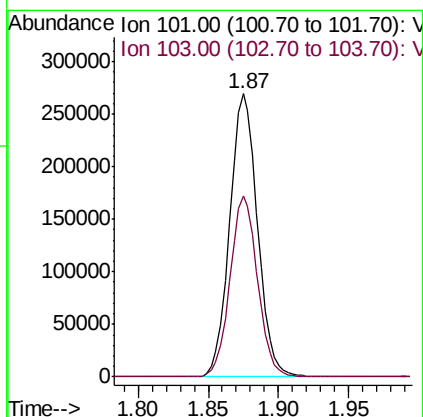
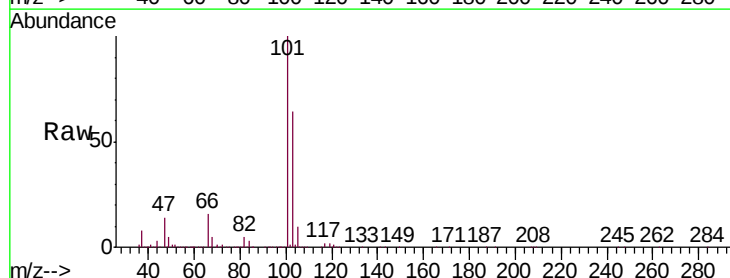
Acq: 19 Sep 2019 17:54

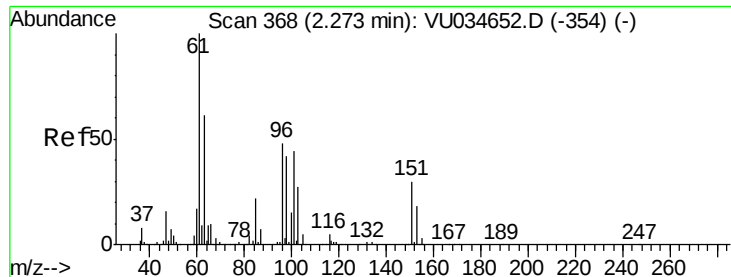
Tgt Ion: 101 Resp: 371204

Ion Ratio Lower Upper

101 100

103 63.3 51.8 77.8





#10

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

Concen: 49.227 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

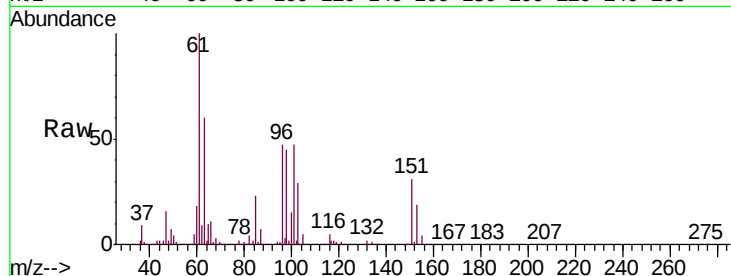
Tgt Ion: 101 Resp: 182439

Ion Ratio Lower Upper

101 100

85 47.9 39.0 58.4

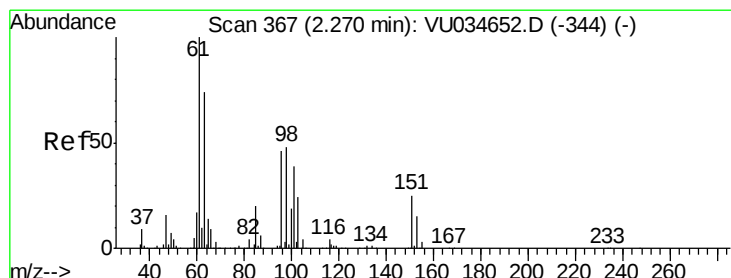
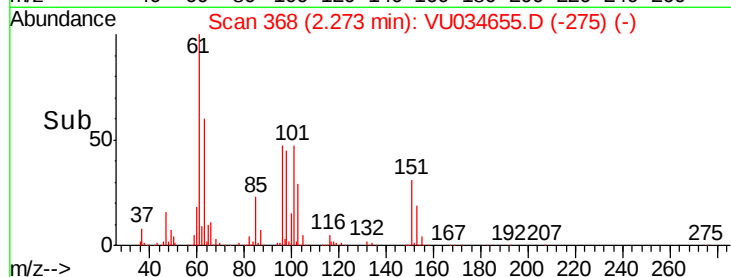
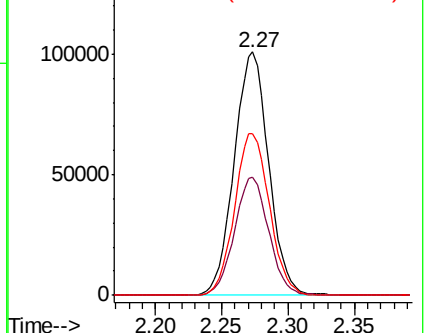
151 67.0 52.8 79.2



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: 47.954 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

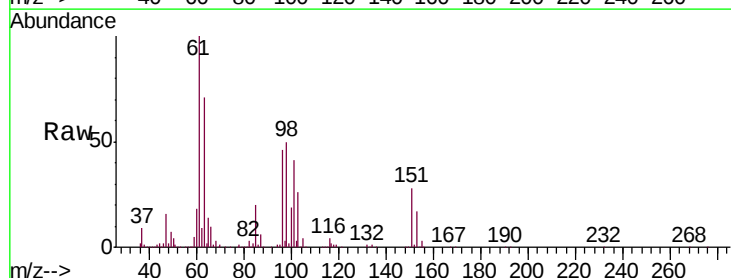
Tgt Ion: 96 Resp: 170570

Ion Ratio Lower Upper

96 100

61 218.0 153.2 284.4

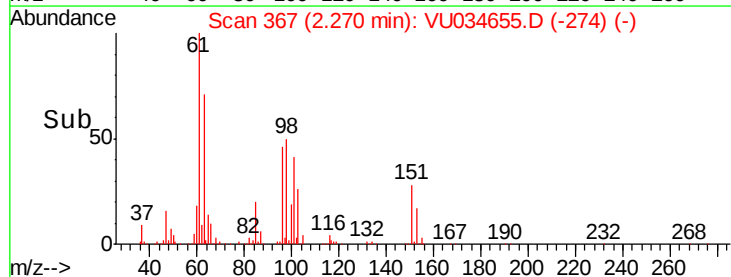
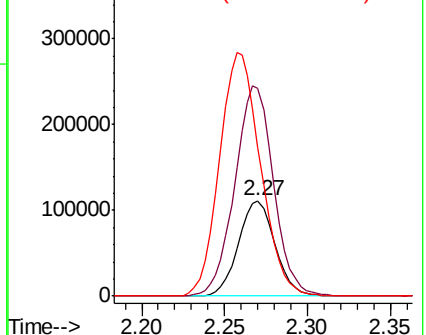
63 155.8 113.8 211.3

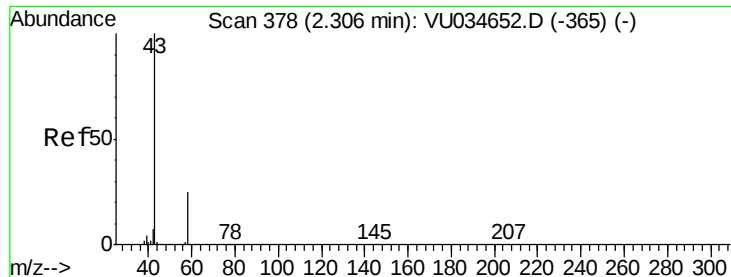


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 79.842 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

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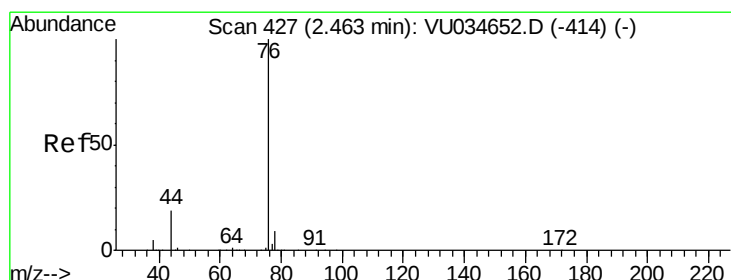
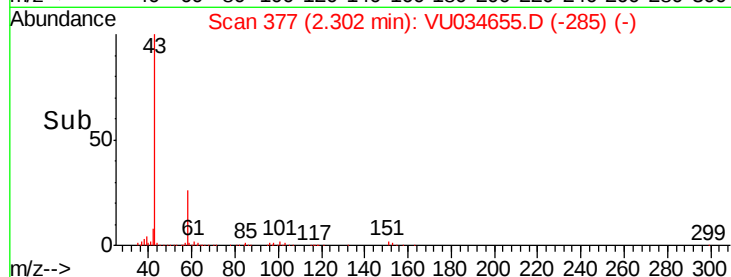
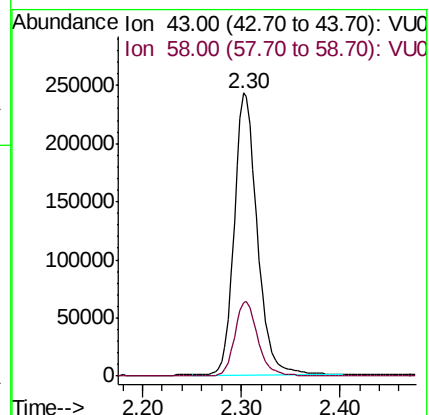
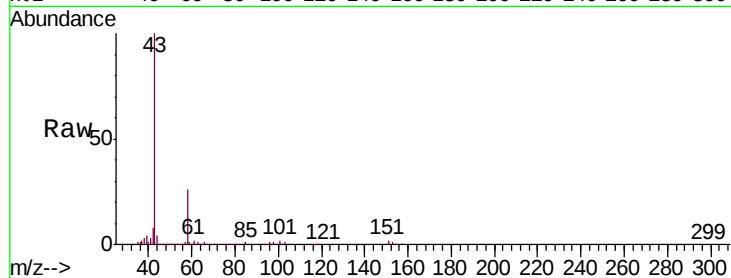
VICV36

Tgt Ion: 43 Resp: 396173

Ion Ratio Lower Upper

43 100

58 26.9 0.0 53.4



#14

Carbon disulfide

Concen: 49.265 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034655.D

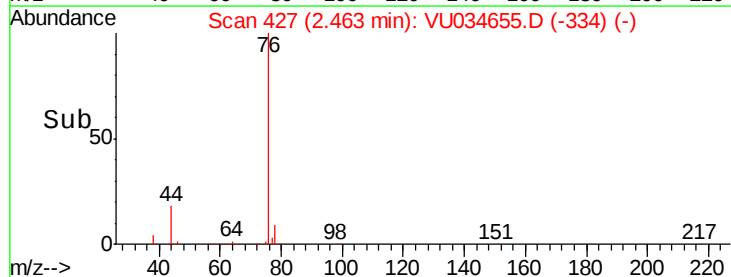
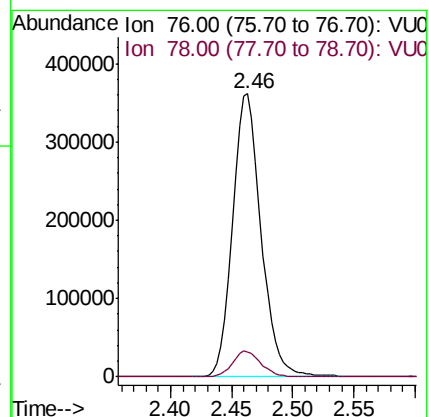
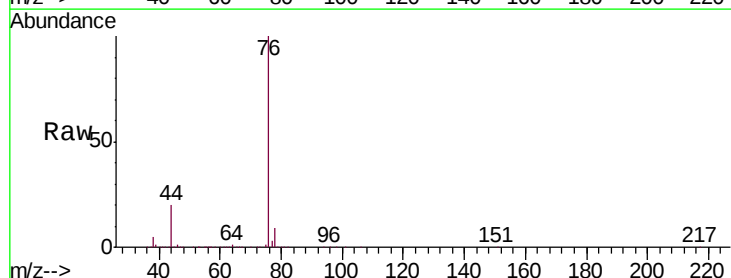
Acq: 19 Sep 2019 17:54

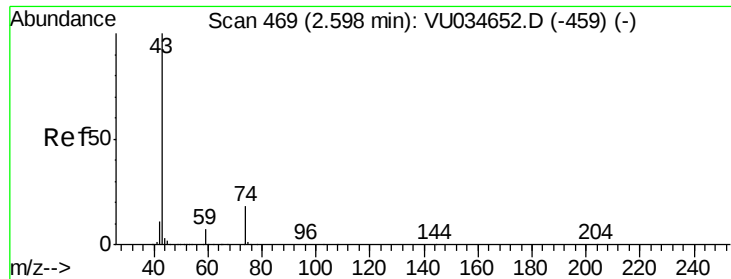
Tgt Ion: 76 Resp: 591265

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3





#15

Methyl Acetate

Concen: 47.000 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.00 min

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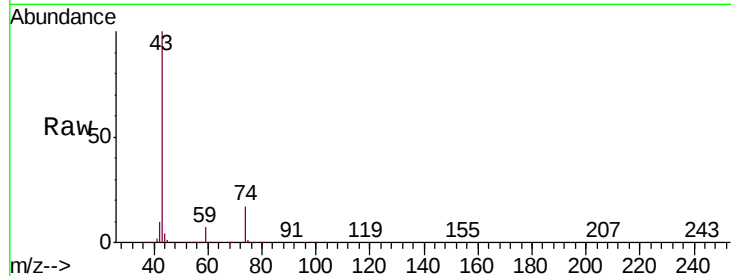
VICV36

Tgt Ion: 43 Resp: 311526

Ion Ratio Lower Upper

43 100

74 17.3 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU034655.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU034655.D (-459) (-)

200000

150000

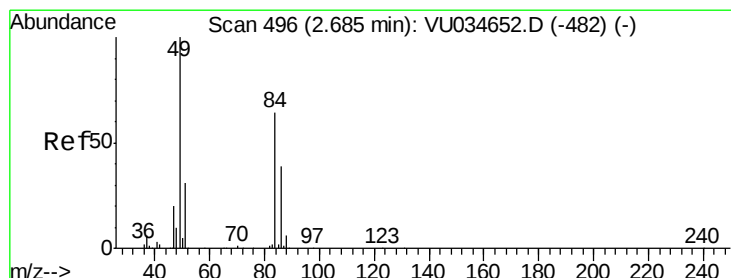
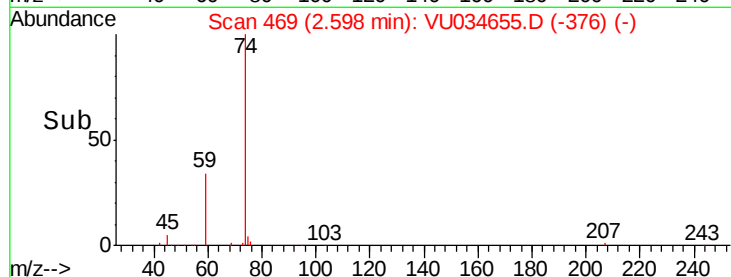
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 47.791 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

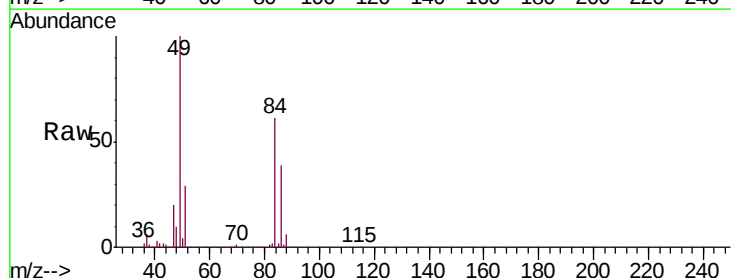
Tgt Ion: 84 Resp: 215330

Ion Ratio Lower Upper

84 100

86 63.7 43.0 80.0

49 164.7 109.7 203.7



Abundance Ion 84.00 (83.70 to 84.70): VU034655.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034655.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU034655.D (-482) (-)

250000

200000

150000

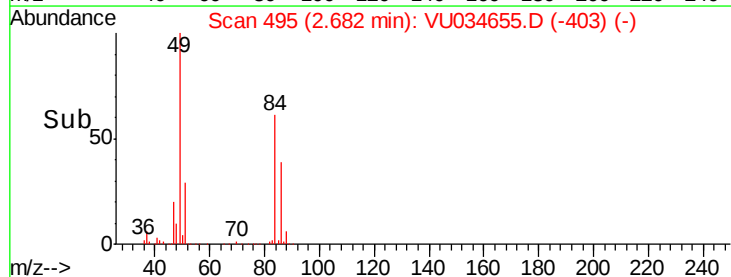
100000

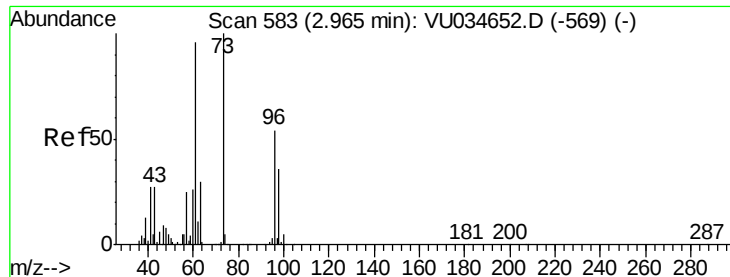
50000

0

2.60 2.65 2.70 2.75

Time-->





#17

trans-1,2-Dichloroethene

Concen: 50.437 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

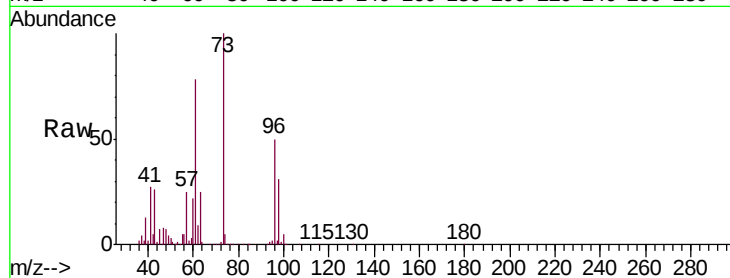
Tgt Ion: 96 Resp: 196145

Ion Ratio Lower Upper

96 100

61 156.3 124.0 230.4

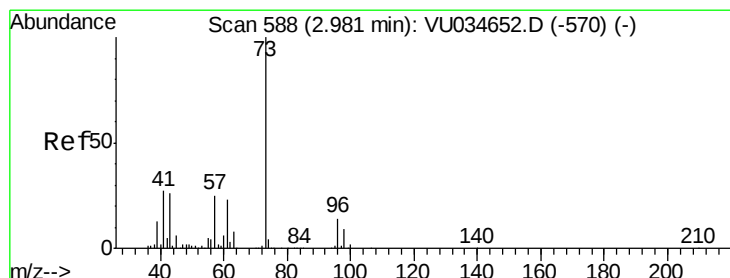
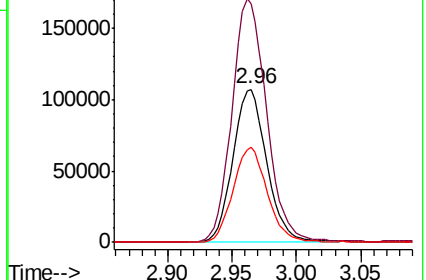
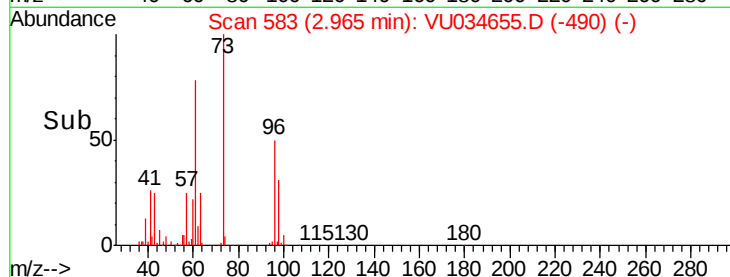
98 62.6 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034655.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034655.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034655.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.518 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

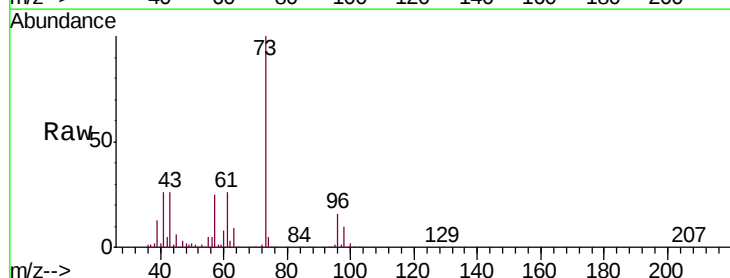
Tgt Ion: 73 Resp: 700011

Ion Ratio Lower Upper

73 100

43 25.5 20.9 31.3

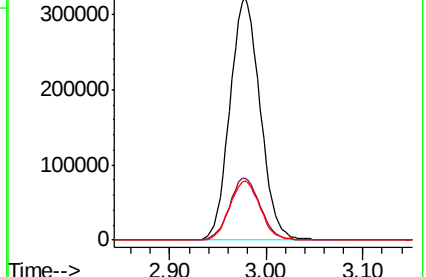
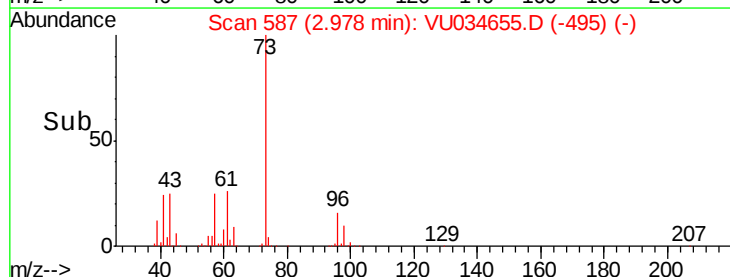
57 24.5 19.5 29.3

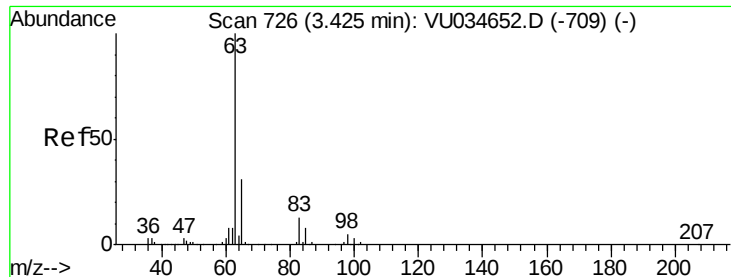


Abundance Ion 73.00 (72.70 to 73.70): VU034655.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034655.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034655.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 47.595 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

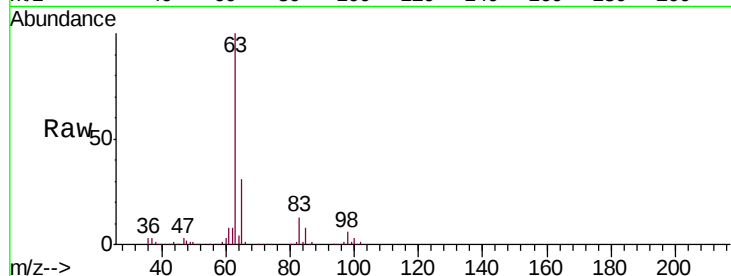
Tgt Ion: 63 Resp: 424612

Ion Ratio Lower Upper

63 100

65 30.5 22.0 40.8

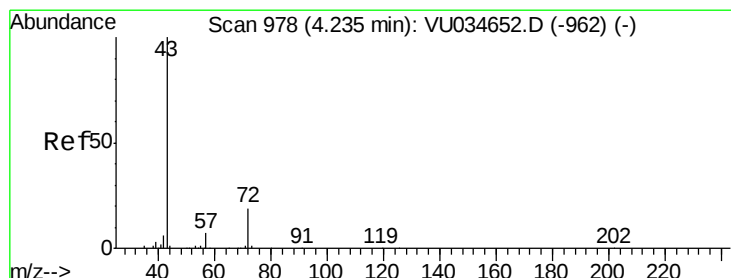
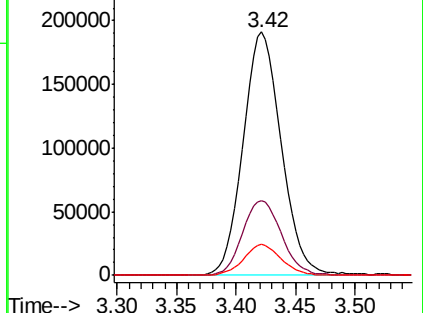
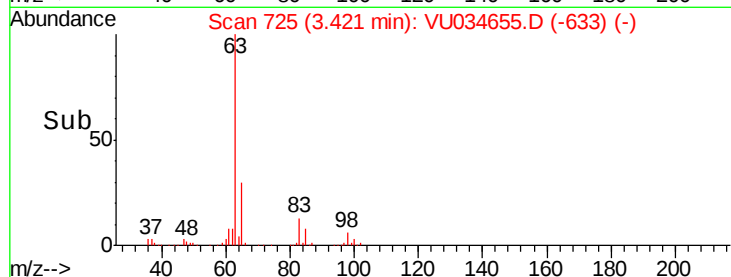
83 12.7 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034655.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VU034655.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VU034655.D (-633) (-)



#22

2-Butanone

Concen: 86.047 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034655.D

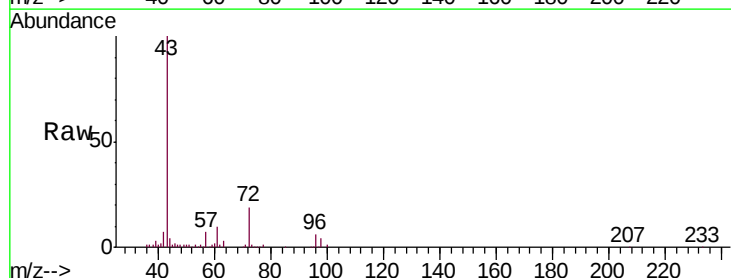
Acq: 19 Sep 2019 17:54

Tgt Ion: 43 Resp: 507946

Ion Ratio Lower Upper

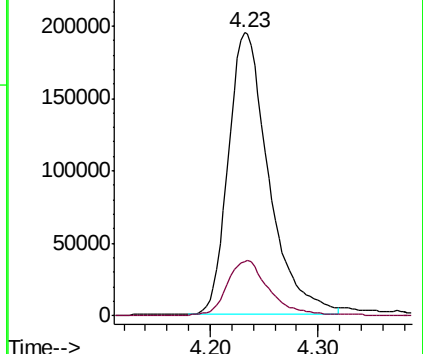
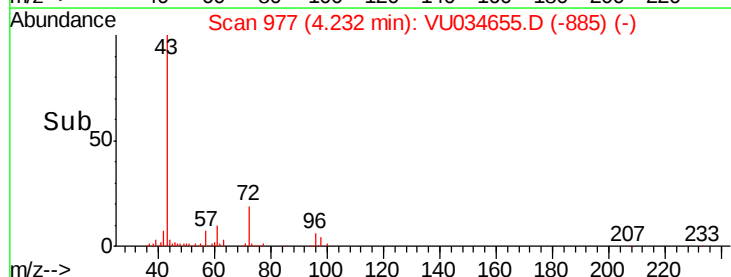
43 100

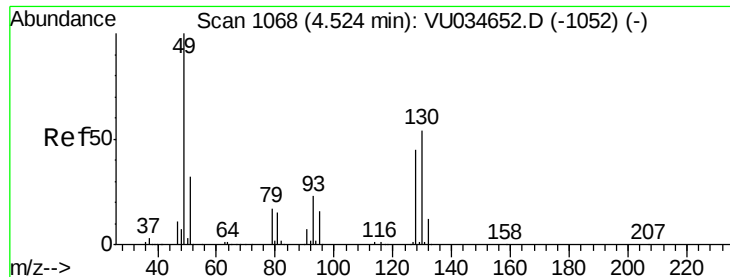
72 20.9 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034655.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034655.D (-885) (-)





#23

Bromochloromethane

Concen: 47.133 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

Tgt Ion:128 Resp: 102583

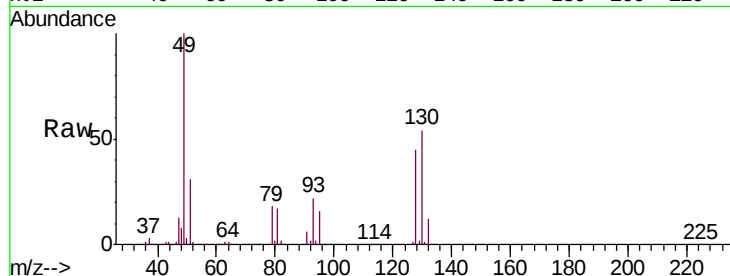
Ion Ratio Lower Upper

128 100

49 220.7 154.3 286.7

130 119.9 83.0 154.2

51 68.3 56.4 84.6

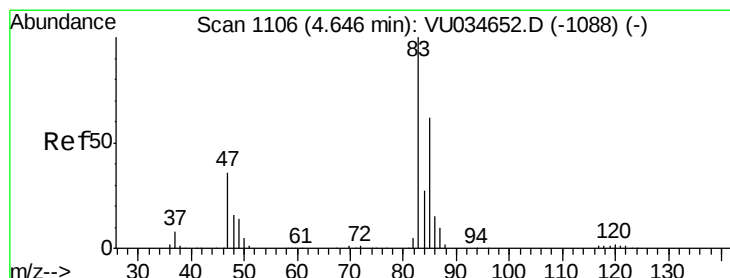
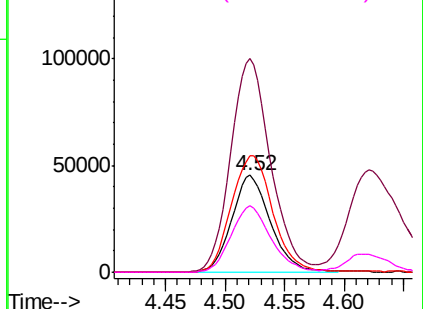
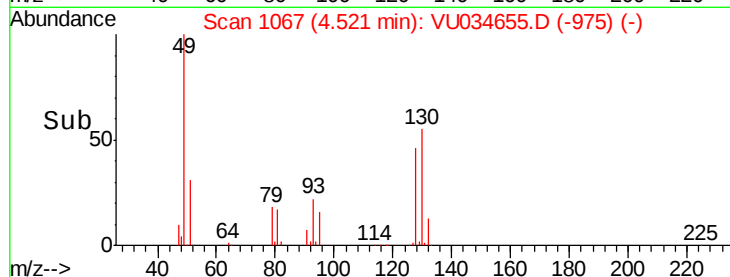


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 47.462 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU034655.D

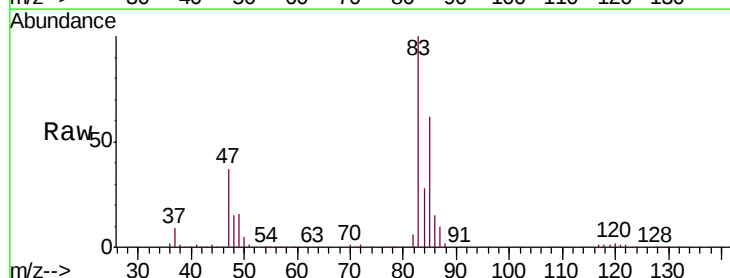
Acq: 19 Sep 2019 17:54

Tgt Ion: 83 Resp: 416962

Ion Ratio Lower Upper

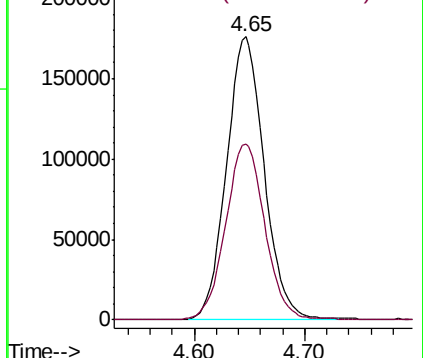
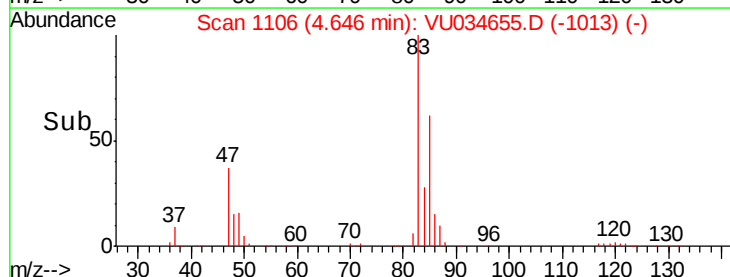
83 100

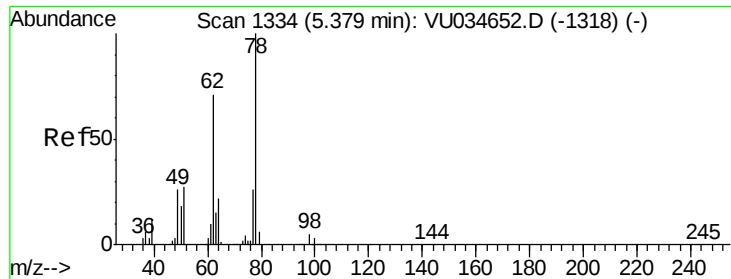
85 62.2 44.0 81.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

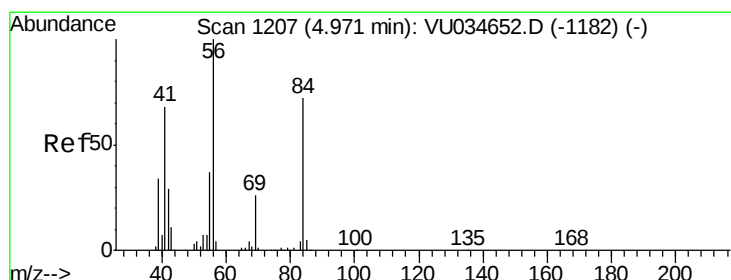
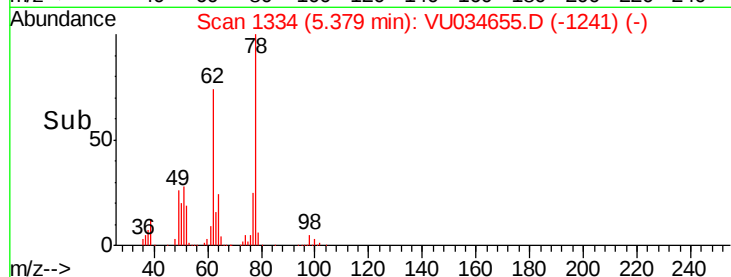
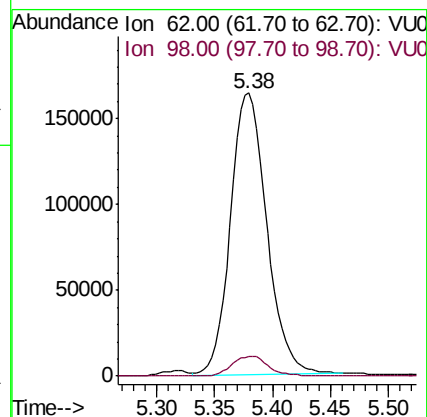
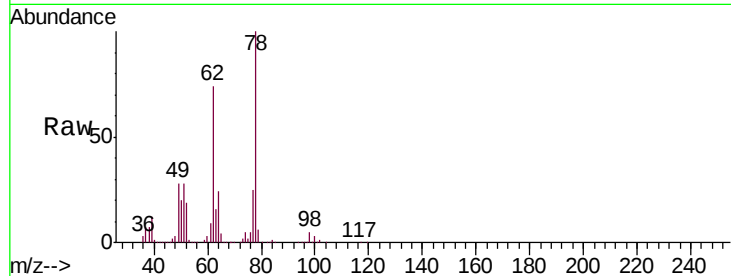




#27
 1,2-Dichloroethane
 Concen: 47.012 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

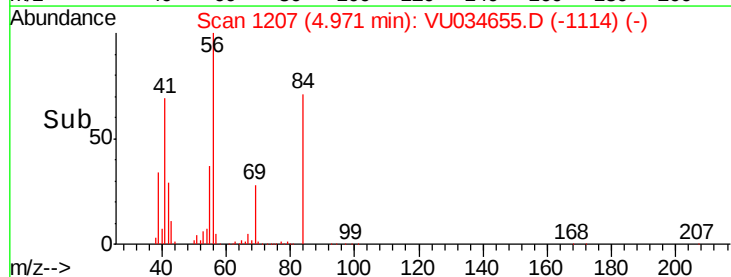
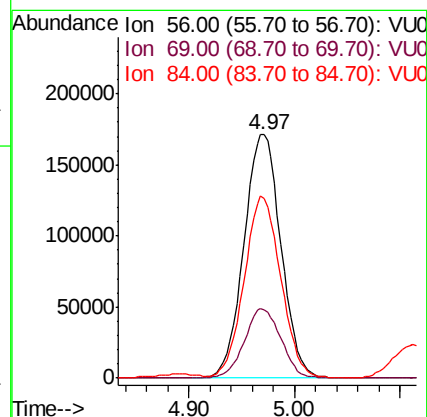
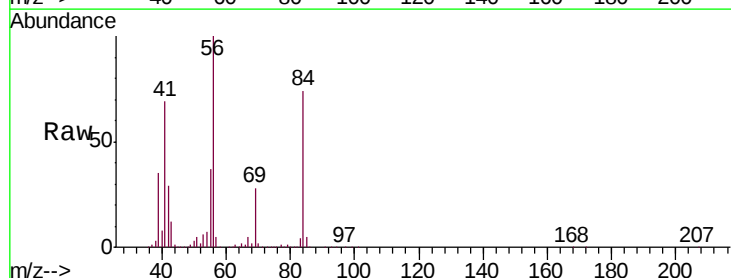
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

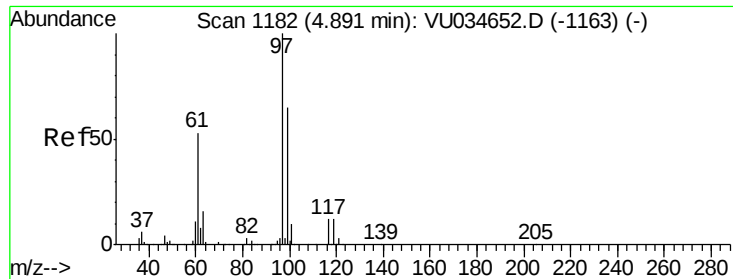
Tgt Ion: 62 Resp: 356768
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.3 7.9



#29
 Cyclohexane
 Concen: 48.879 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

Tgt Ion: 56 Resp: 419217
 Ion Ratio Lower Upper
 56 100
 69 28.1 21.7 32.5
 84 72.7 58.8 88.2

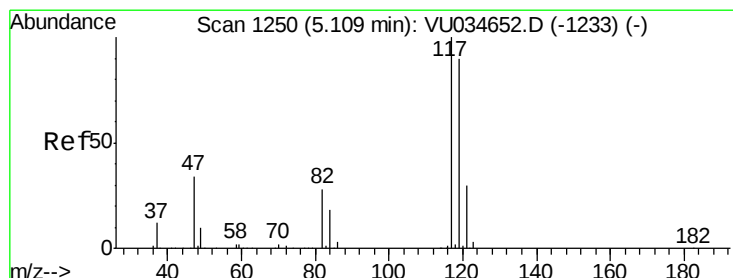
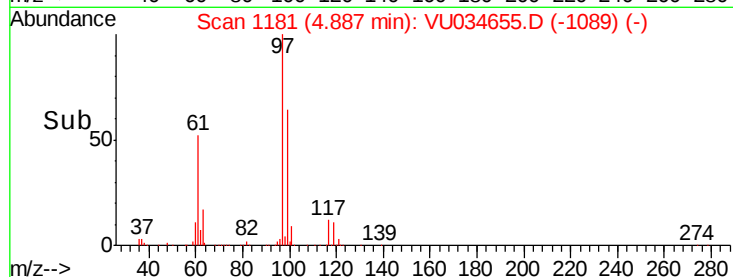
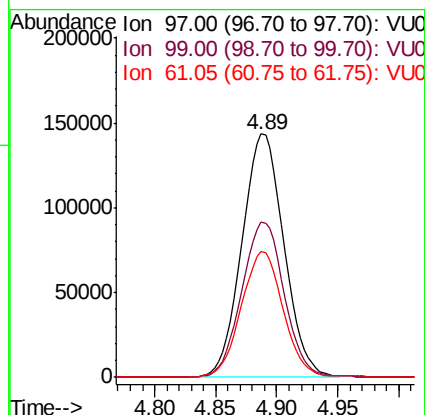
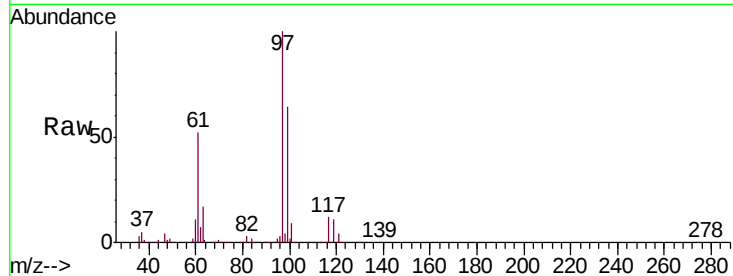




#30
 1,1,1-Trichloroethane
 Concen: 48.368 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

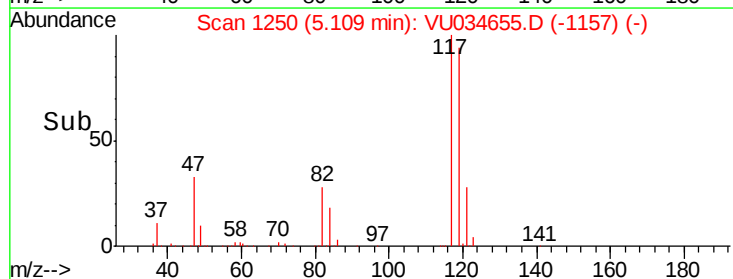
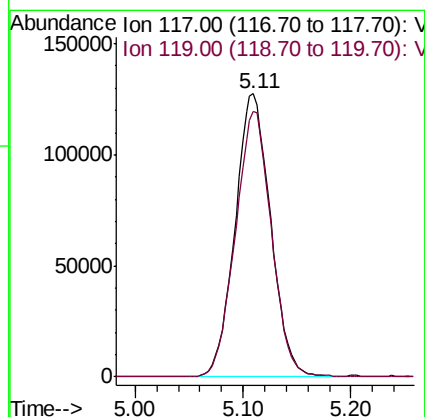
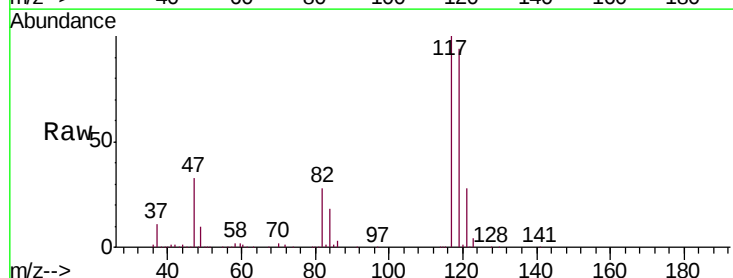
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

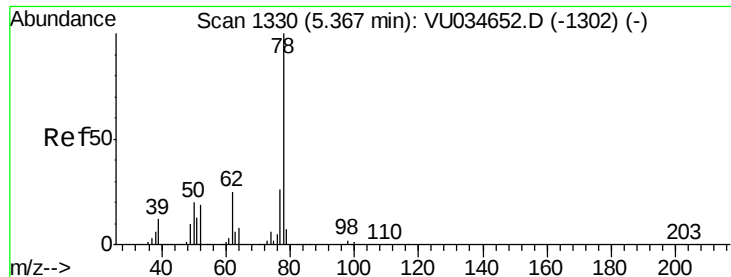
Tgt Ion: 97 Resp: 342069
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.8
 61 51.3 43.4 65.0



#31
 Carbon tetrachloride
 Concen: 48.510 ug/L
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

Tgt Ion: 117 Resp: 292392
 Ion Ratio Lower Upper
 117 100
 119 94.8 74.8 112.2





#33

Benzene

Concen: 49.044 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

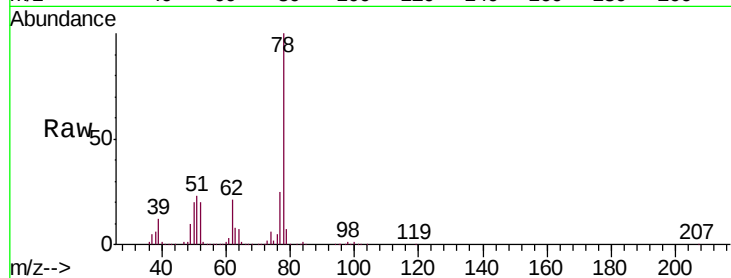
Instrument :

MSVOA_U

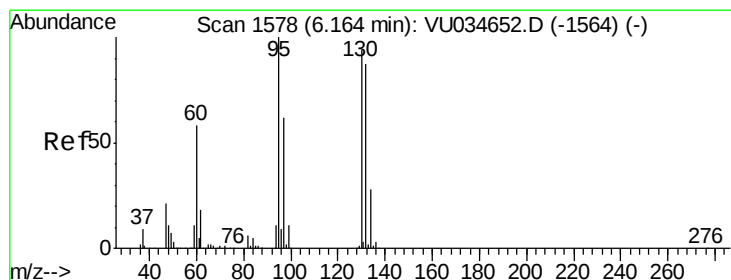
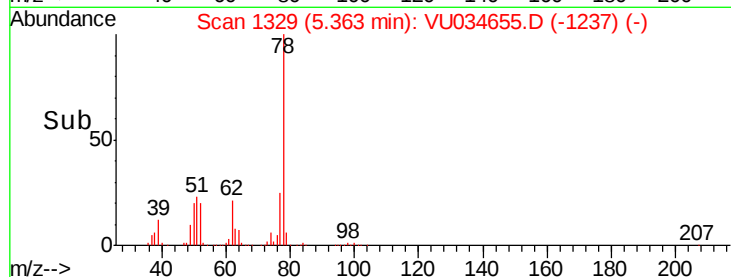
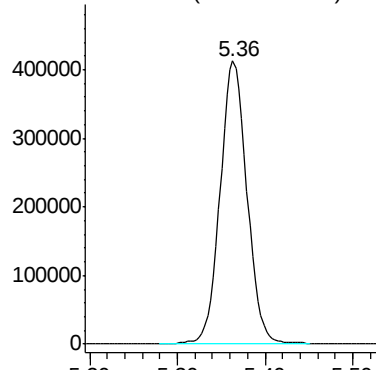
ClientSampleId :

VICV36

Tgt Ion: 78 Resp: 883850



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 49.923 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Tgt Ion: 95 Resp: 222195

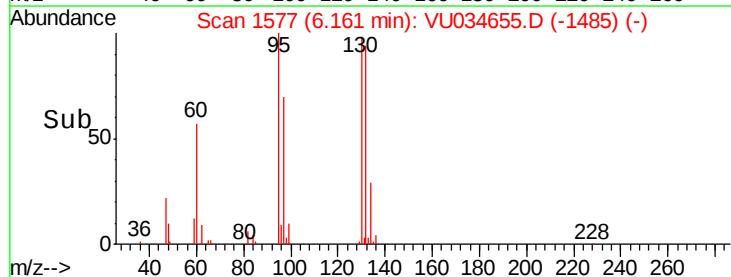
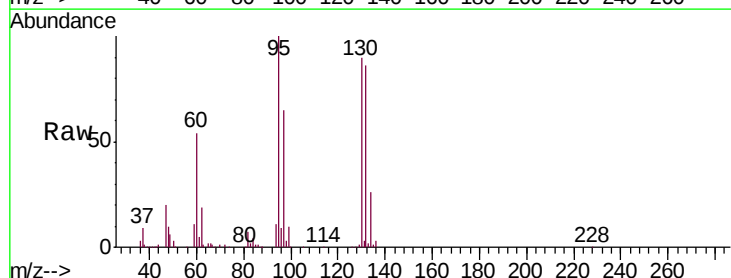
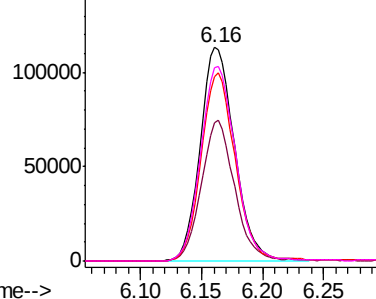
Ion	Ratio	Lower	Upper
95	100		
97	64.7	43.7	81.1
132	86.5	61.0	113.2
130	90.4	65.7	121.9

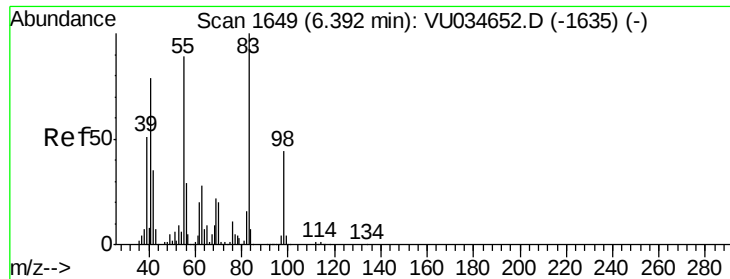
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

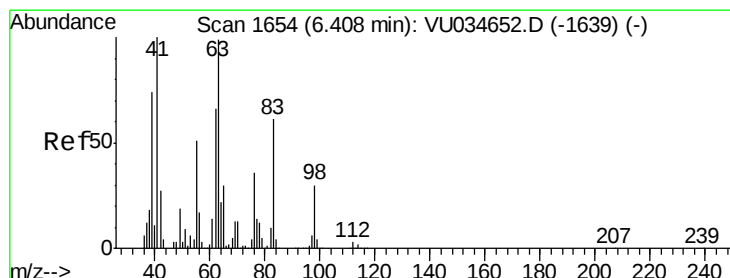
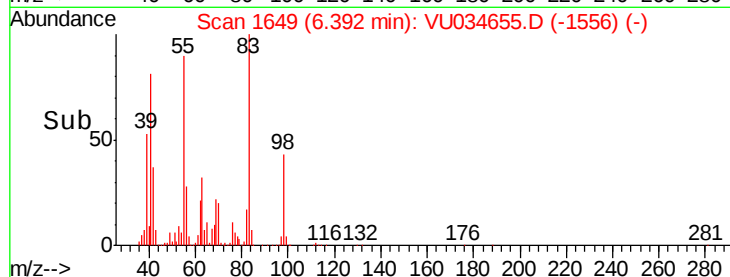
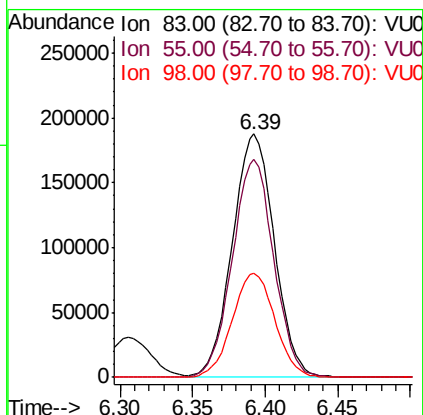
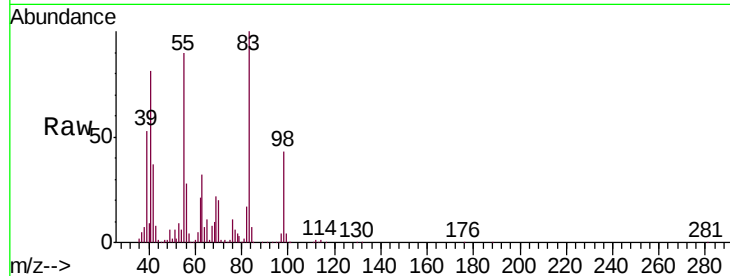




#35
Methylcyclohexane
Concen: 49.729 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

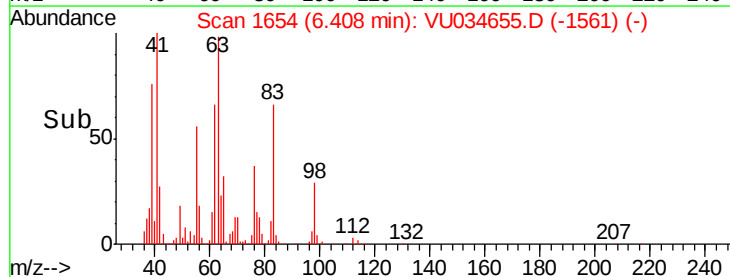
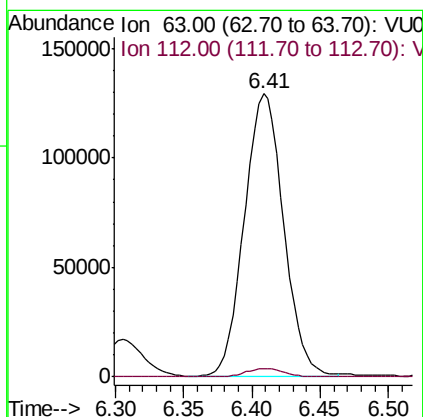
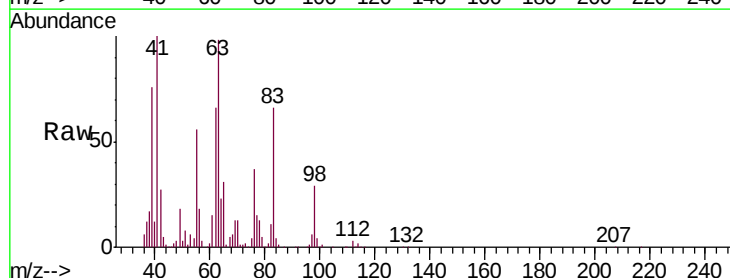
Instrument :
MSVOA_U
ClientSampleId :
VICV36

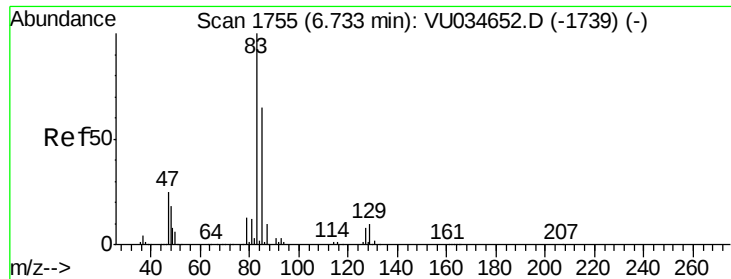
Tgt Ion: 83 Resp: 375604
Ion Ratio Lower Upper
83 100
55 89.0 71.6 107.4
98 43.7 35.7 53.5



#37
1,2-Dichloropropane
Concen: 48.209 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

Tgt Ion: 63 Resp: 258696
Ion Ratio Lower Upper
63 100
112 3.0 2.4 3.6





#38

Bromodichloromethane

Concen: 48.074 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

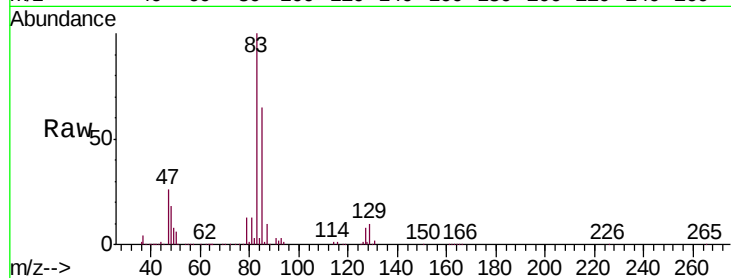
Tgt Ion: 83 Resp: 312852

Ion Ratio Lower Upper

83 100

85 65.3 45.5 84.5

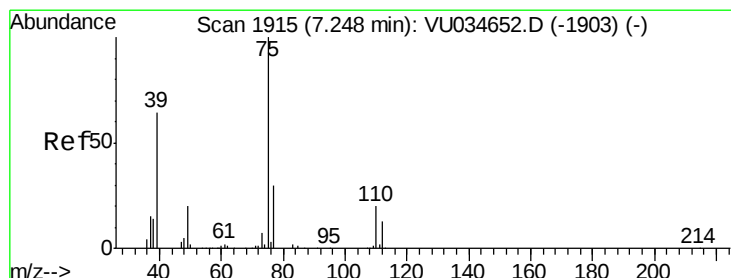
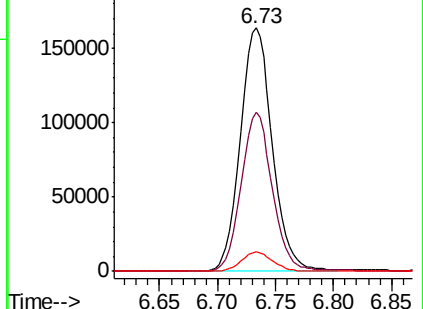
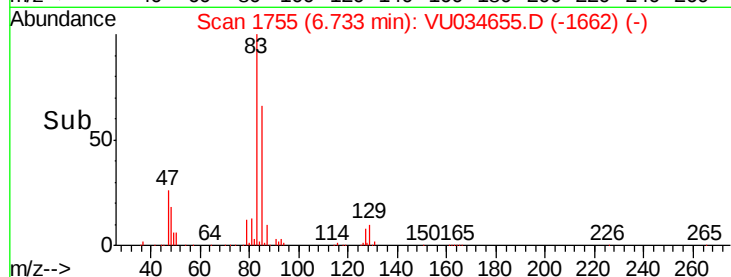
127 7.9 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU034655.D (-1662) (-)

Ion 85.00 (84.70 to 85.70): VU034655.D (-1662) (-)

Ion 127.00 (126.70 to 127.70): VU034655.D (-1662) (-)



#39

cis-1,3-Dichloropropene

Concen: 49.979 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034655.D

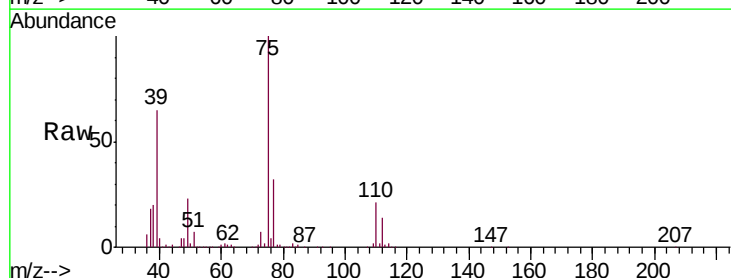
Acq: 19 Sep 2019 17:54

Tgt Ion: 75 Resp: 402979

Ion Ratio Lower Upper

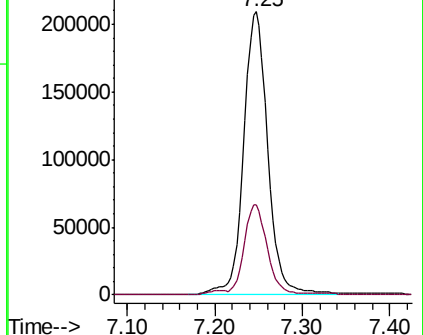
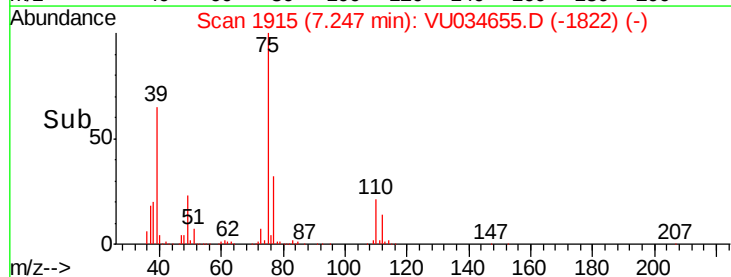
75 100

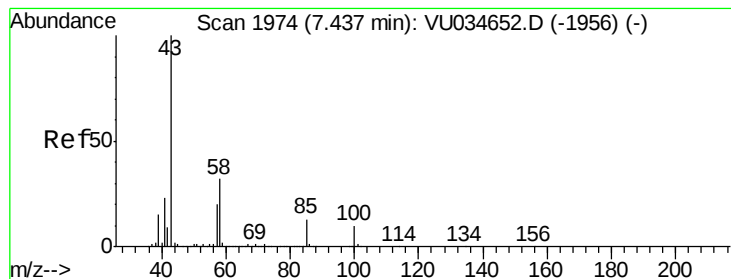
77 31.8 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034655.D (-1822) (-)

Ion 77.00 (76.70 to 77.70): VU034655.D (-1822) (-)





#40

4-Methyl-2-pentanone

Concen: 93.216 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

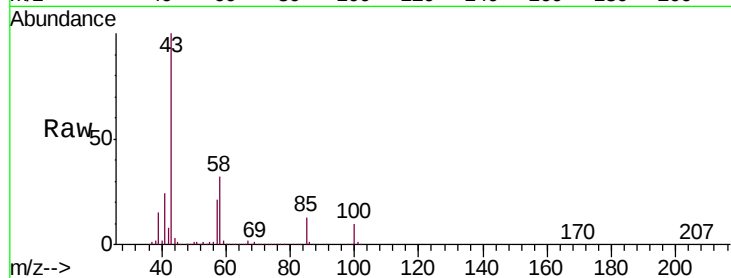
Tgt Ion: 43 Resp: 954992

Ion Ratio Lower Upper

43 100

58 32.5 25.2 37.8

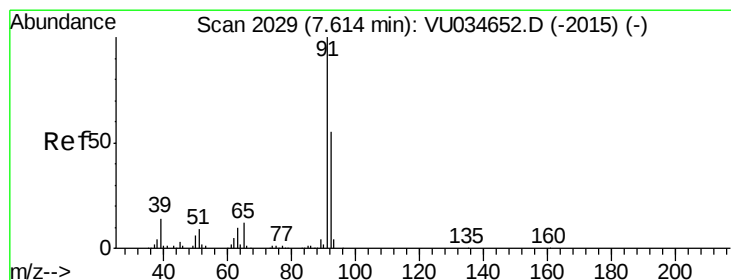
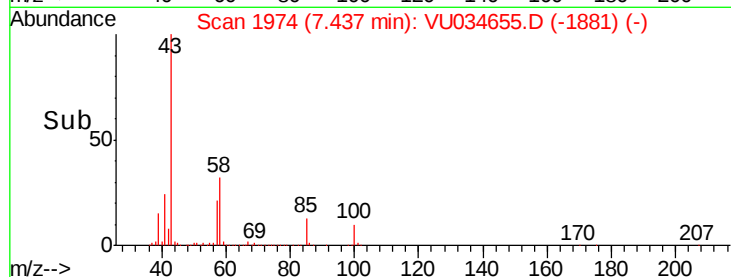
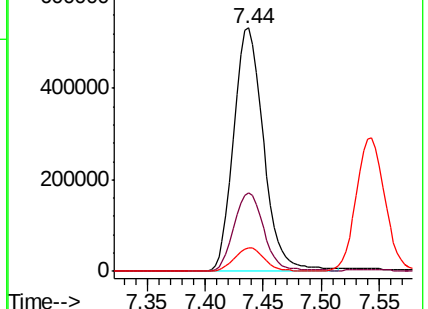
100 9.8 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VU034655.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034655.D (-1956) (-)

Ion 100.00 (99.70 to 100.70): VU034655.D (-1956) (-)



#42

Toluene

Concen: 49.230 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034655.D

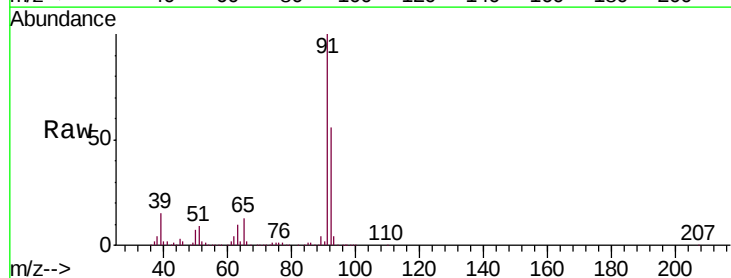
Acq: 19 Sep 2019 17:54

Tgt Ion: 91 Resp: 958830

Ion Ratio Lower Upper

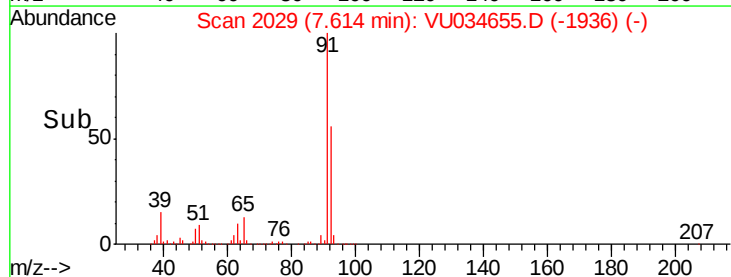
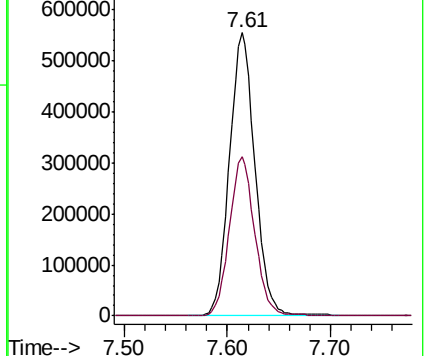
91 100

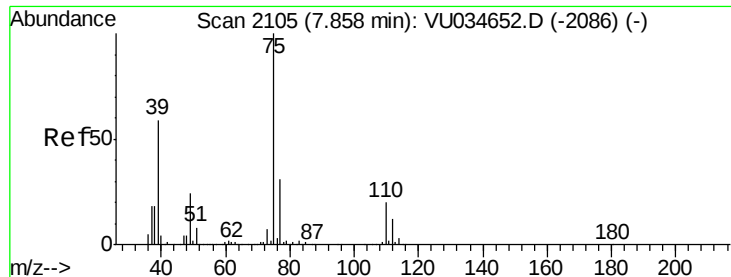
92 56.3 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034655.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034655.D (-1936) (-)





#44

trans-1,3-Dichloropropene

Concen: 49.996 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

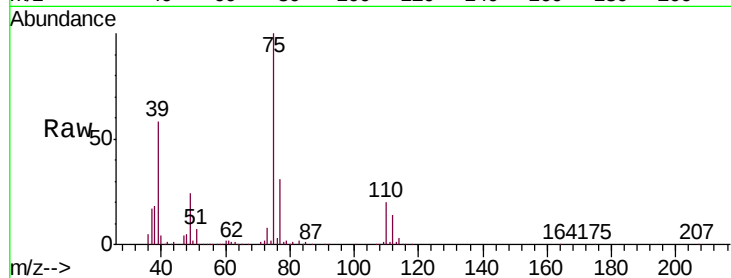
VICV36

Tgt Ion: 75 Resp: 363406

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034652.D (-2086) (-)

Ion 77.00 (76.70 to 77.70): VU034652.D (-2086) (-)

7.86

200000

150000

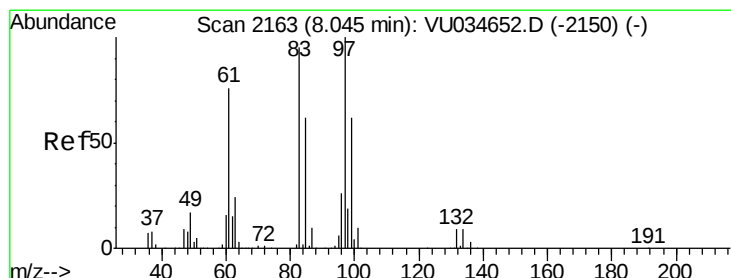
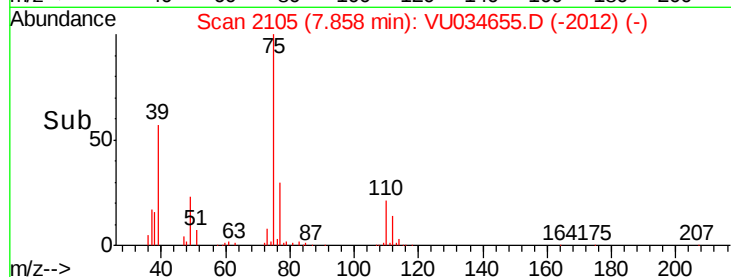
100000

50000

0

7.75 7.80 7.85 7.90 7.95

Time-->



#45

1,1,2-Trichloroethane

Concen: 48.546 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Tgt Ion: 97 Resp: 208665

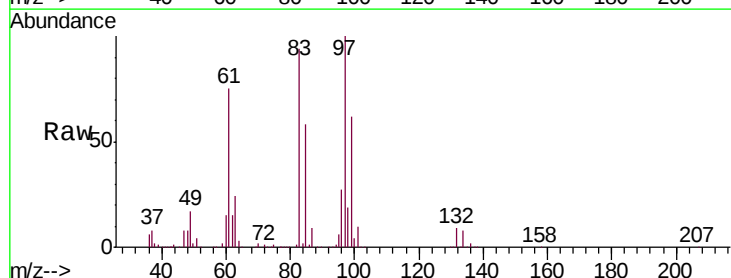
Ion Ratio Lower Upper

97 100

99 62.5 43.6 81.0

83 94.2 66.9 124.3

85 58.5 43.3 80.3



Abundance Ion 97.00 (96.70 to 97.70): VU034652.D (-2150) (-)

Ion 99.00 (98.70 to 99.70): VU034652.D (-2150) (-)

Ion 83.00 (82.70 to 83.70): VU034652.D (-2150) (-)

Ion 85.00 (84.70 to 85.70): VU034652.D (-2150) (-)

8.04

150000

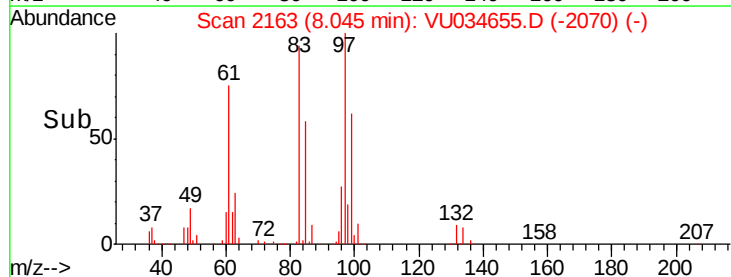
100000

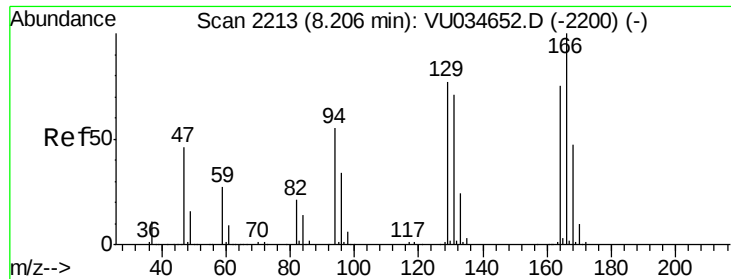
50000

0

7.95 8.00 8.05 8.10 8.15

Time-->

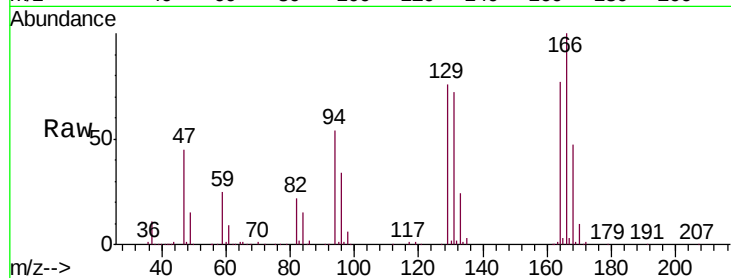




#46
Tetrachloroethene
Concen: 50.527 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Tgt Ion:	164	Resp:	158186
Ion	Ratio	Lower	Upper
164	100		
129	98.5	71.9	133.5
131	93.0	66.3	123.1
166	129.3	93.4	173.6



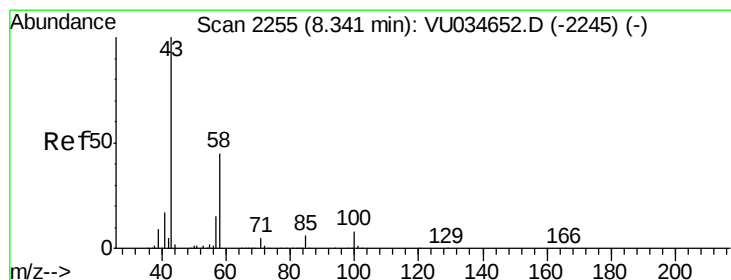
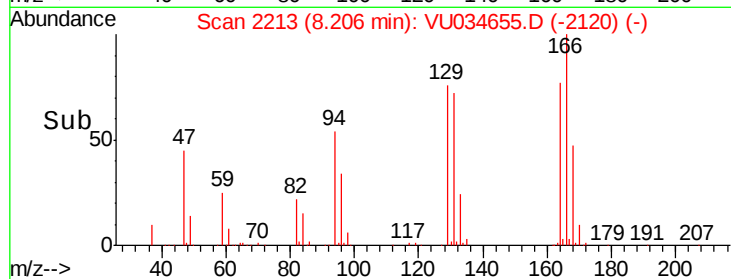
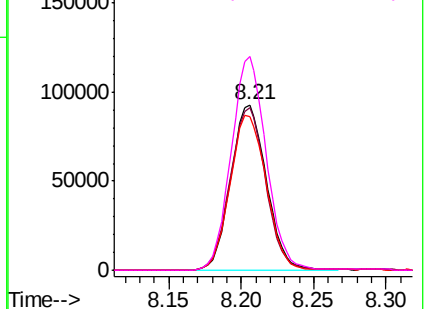
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

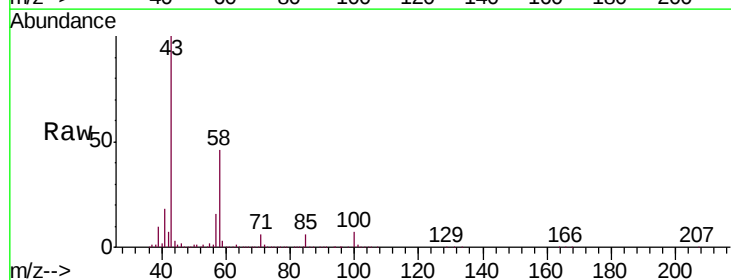
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 96.384 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

Tgt Ion:	43	Resp:	771223
Ion	Ratio	Lower	Upper
43	100		
58	43.9	35.3	52.9
57	15.7	12.1	18.1
100	7.2	6.2	9.4



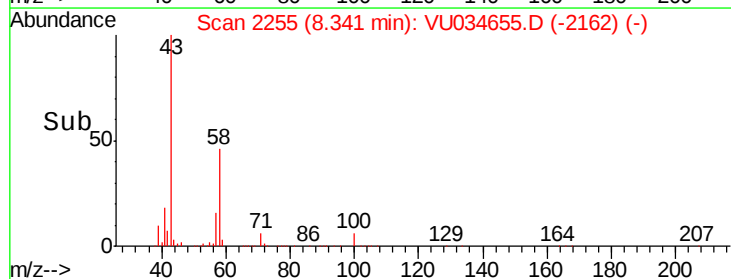
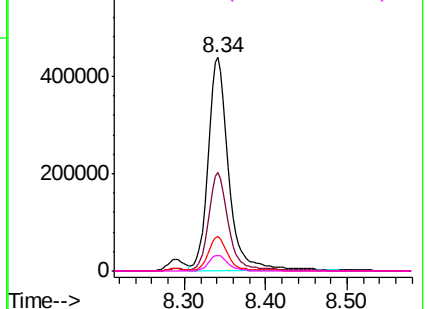
Abundance

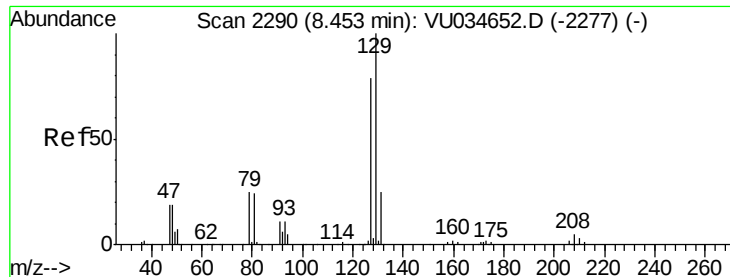
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 49.657 ug/L

RT: 8.45 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

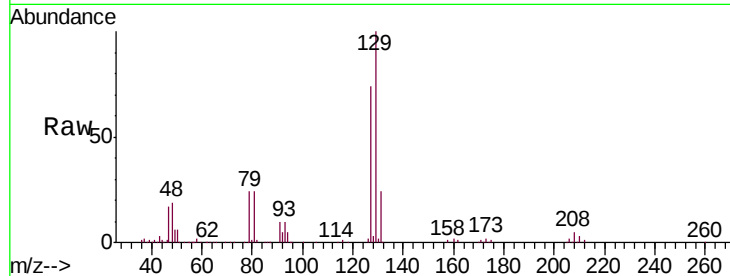
VICV36

Tgt Ion:129 Resp: 237914

Ion Ratio Lower Upper

129 100

127 73.7 55.5 103.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.45

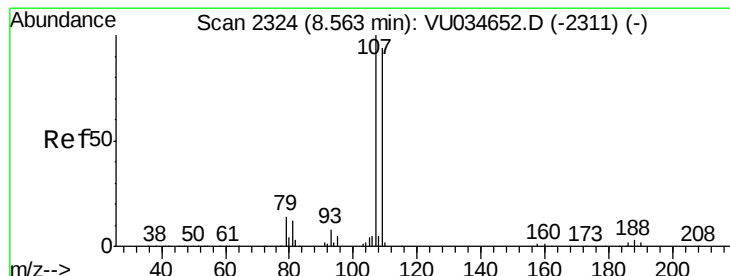
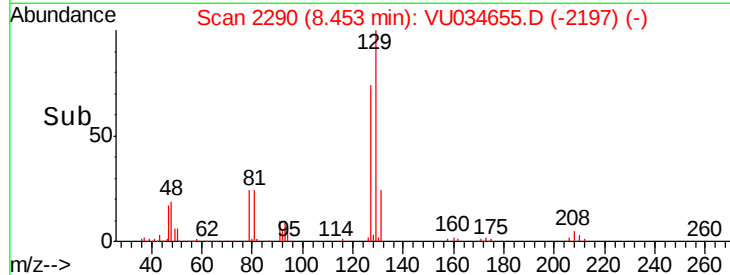
150000

100000

50000

0

Time-->



#50

1,2-Dibromoethane

Concen: 50.458 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

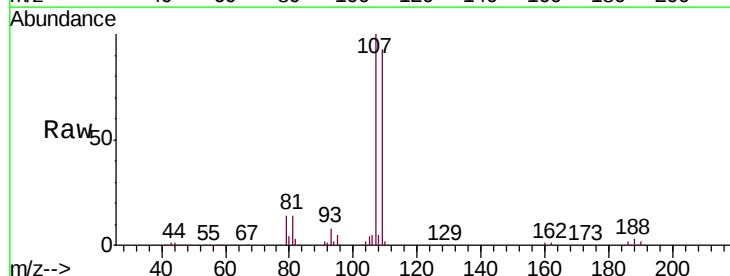
Tgt Ion:107 Resp: 233747

Ion Ratio Lower Upper

107 100

109 93.1 65.5 121.6

188 3.0 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.56

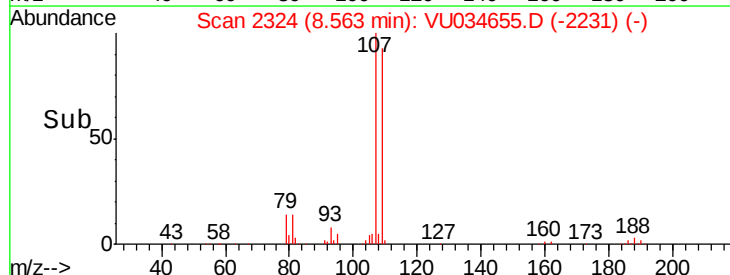
150000

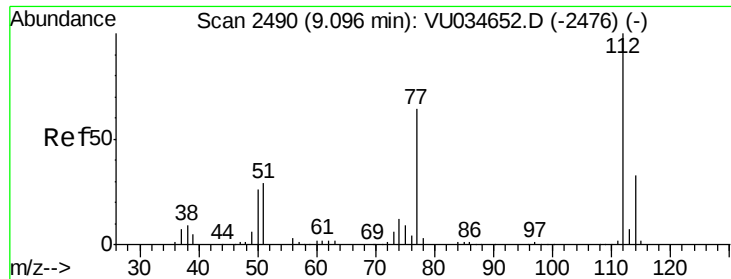
100000

50000

0

Time-->

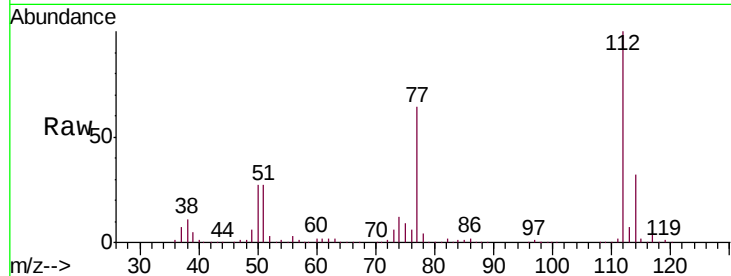




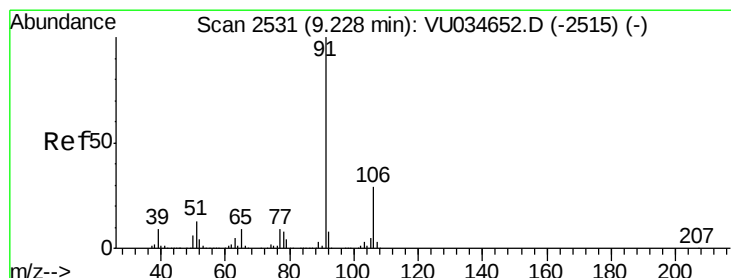
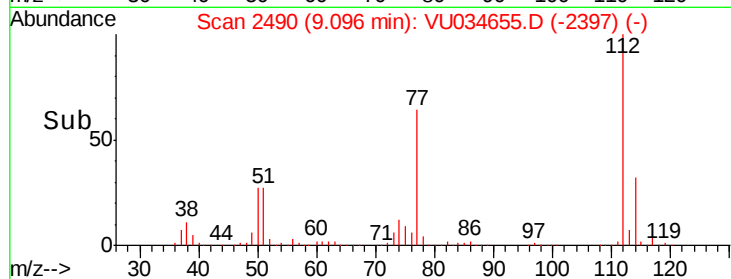
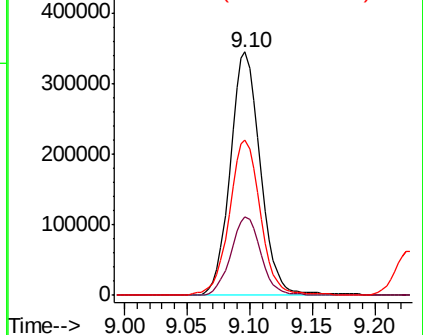
#51
Chlorobenzene
Concen: 48.551 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

Instrument :
MSVOA_U
ClientSampled :
VICV36

Tgt Ion: 112 Resp: 574831
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 63.9 51.5 77.3

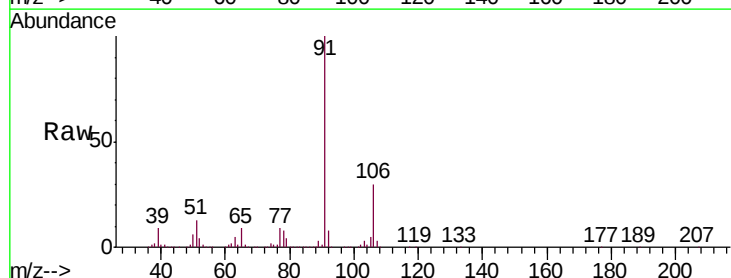


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

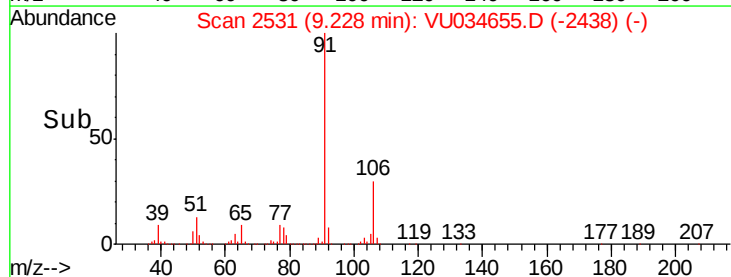
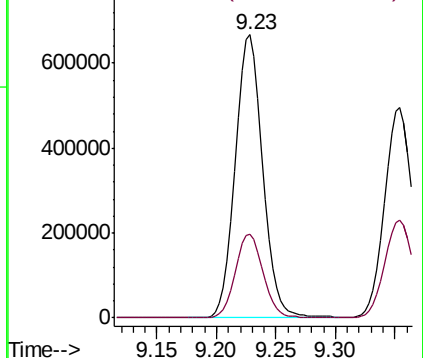


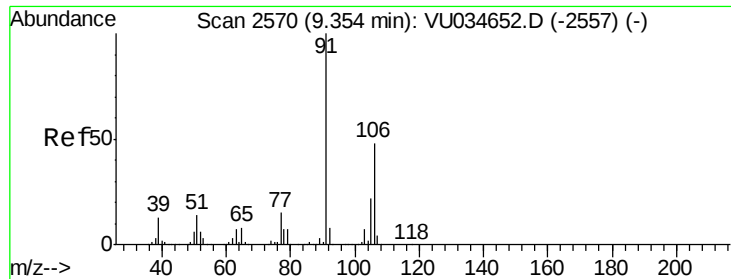
#52
Ethylbenzene
Concen: 48.777 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034655.D
Acq: 19 Sep 2019 17:54

Tgt Ion: 91 Resp: 1069783
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 49.448 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

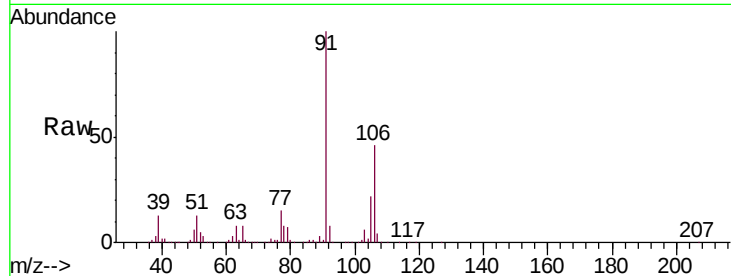
VICV36

Tgt Ion:106 Resp: 384124

Ion Ratio Lower Upper

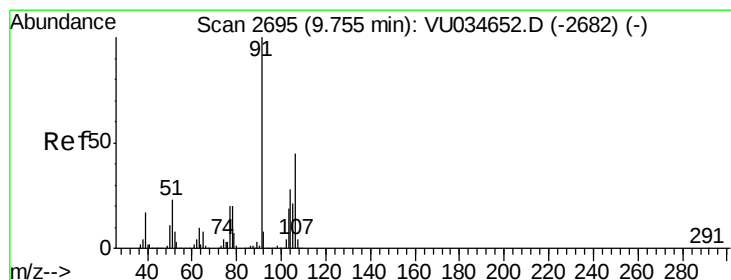
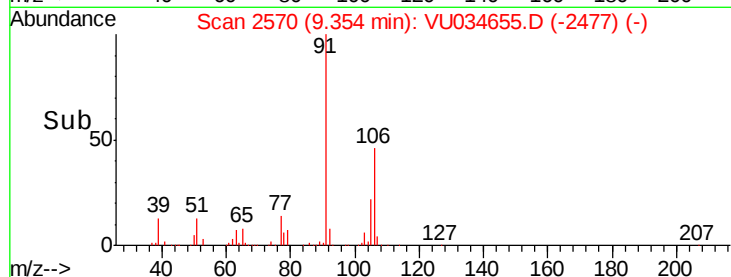
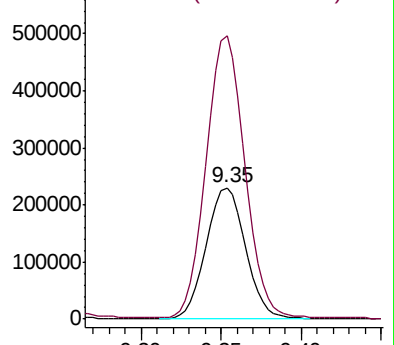
106 100

91 215.2 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 49.708 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034655.D

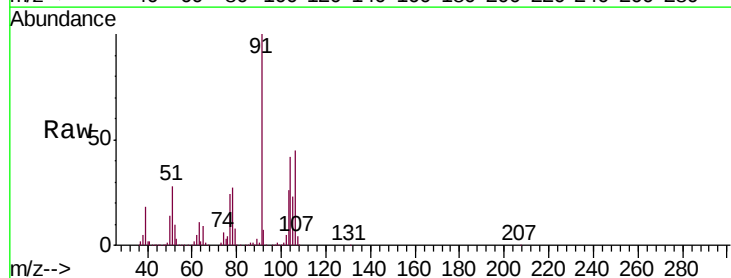
Acq: 19 Sep 2019 17:54

Tgt Ion:106 Resp: 381928

Ion Ratio Lower Upper

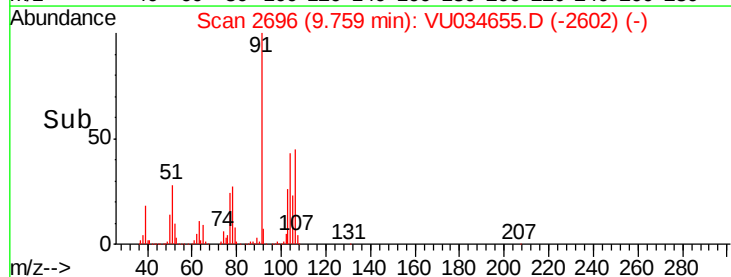
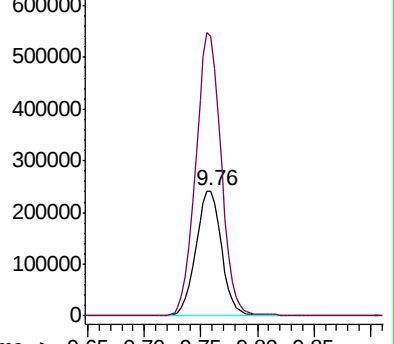
106 100

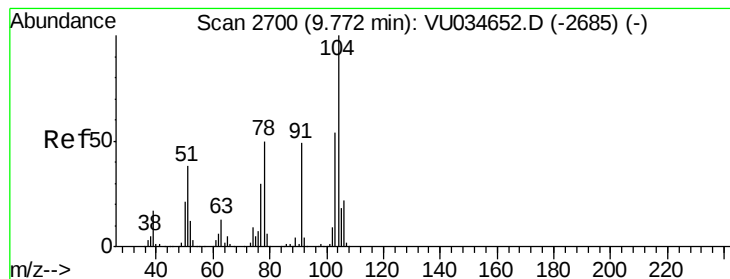
91 223.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 50.309 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

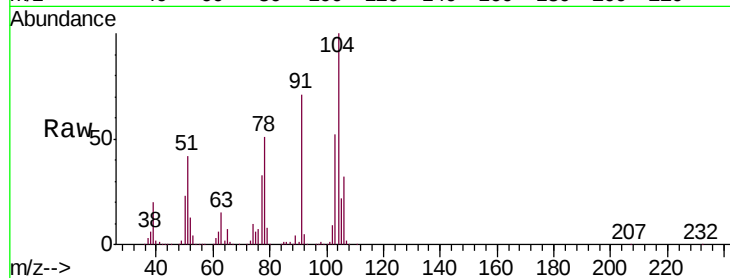
VICV36

Tgt Ion:104 Resp: 654312

Ion Ratio Lower Upper

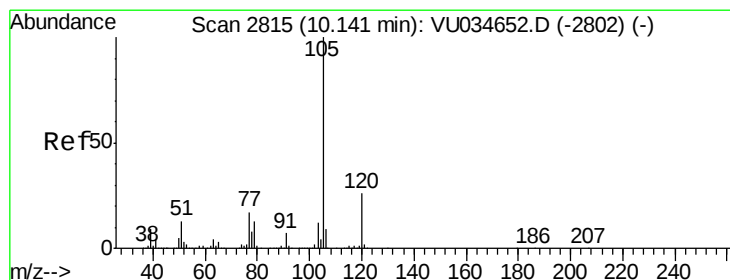
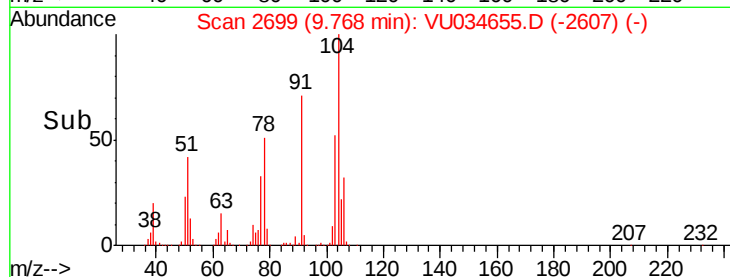
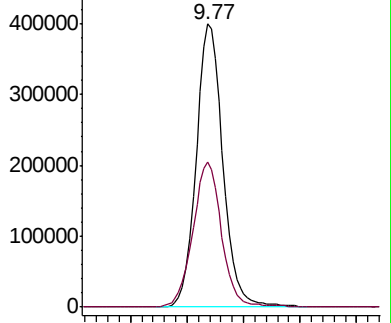
104 100

78 51.1 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 49.391 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

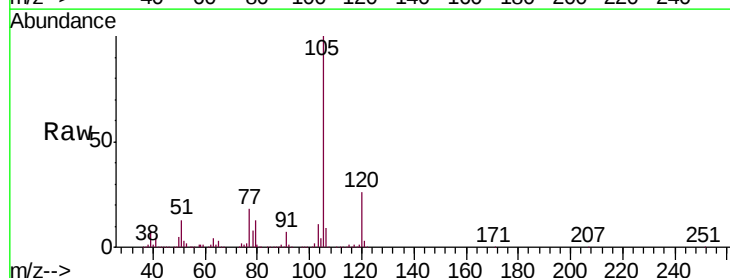
Tgt Ion:105 Resp: 1023239

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

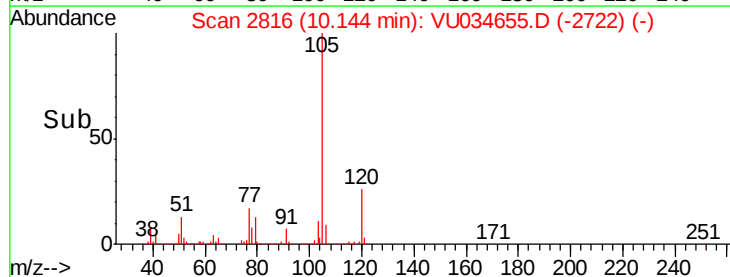
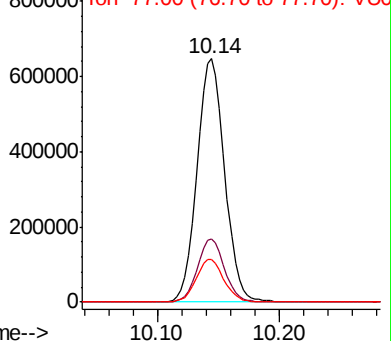
77 17.6 14.2 21.4

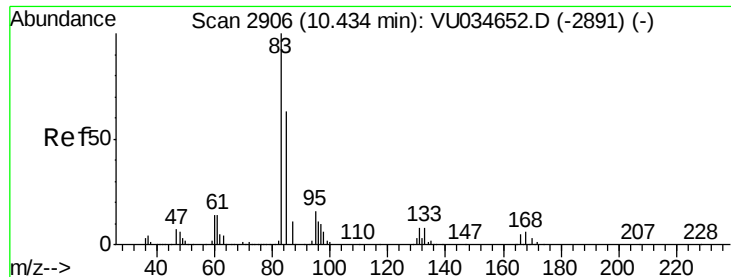


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 48.094 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

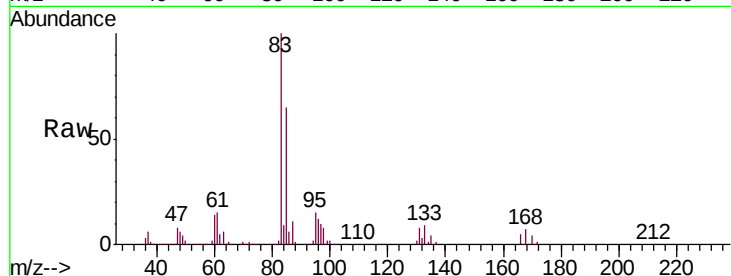
Tgt Ion: 83 Resp: 397054

Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

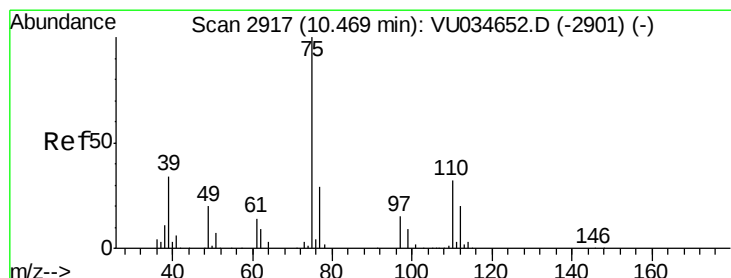
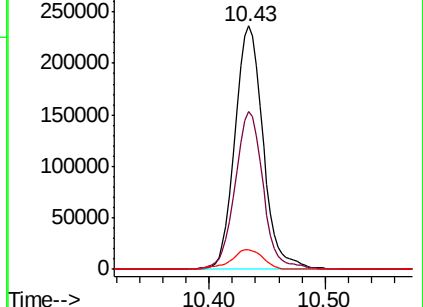
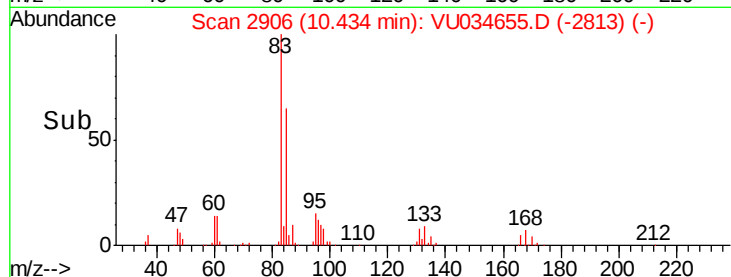
131 8.3 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU034655.D (-2813) (-)

Ion 85.00 (84.70 to 85.70): VU034655.D (-2813) (-)

Ion 131.00 (130.70 to 131.70): VU034655.D (-2813) (-)



#59

1,2,3-Trichloropropane

Concen: 46.337 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034655.D

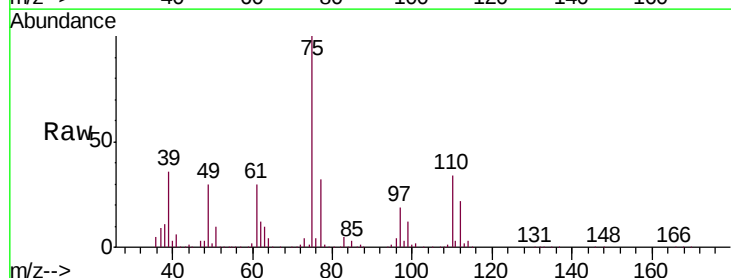
Acq: 19 Sep 2019 17:54

Tgt Ion: 75 Resp: 310560

Ion Ratio Lower Upper

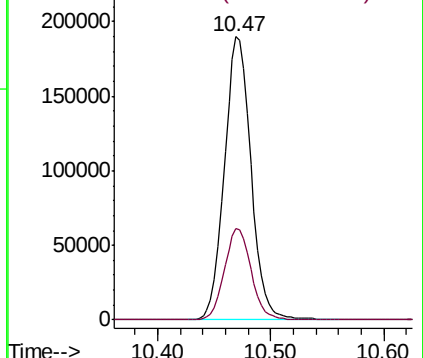
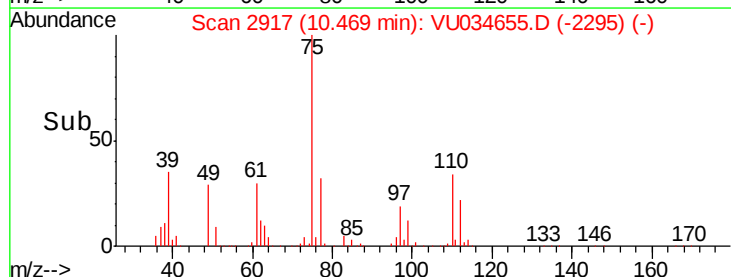
75 100

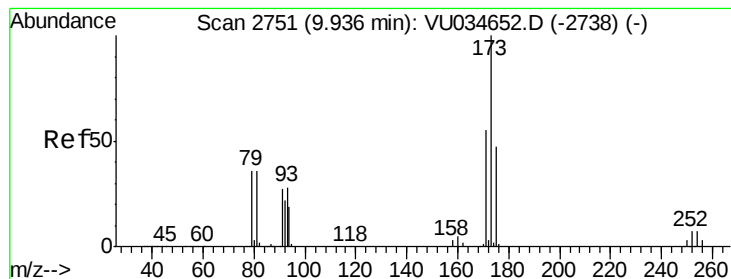
77 32.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU034655.D (-2295) (-)

Ion 77.00 (76.70 to 77.70): VU034655.D (-2295) (-)





#61

Bromoform

Concen: 48.149 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

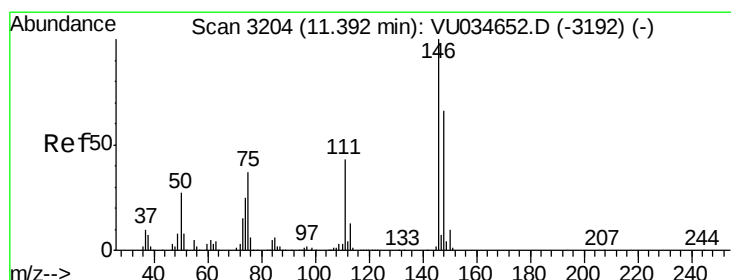
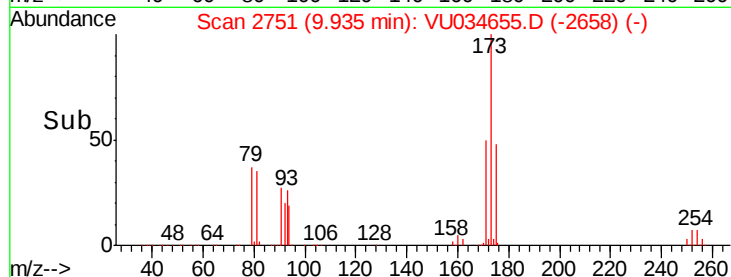
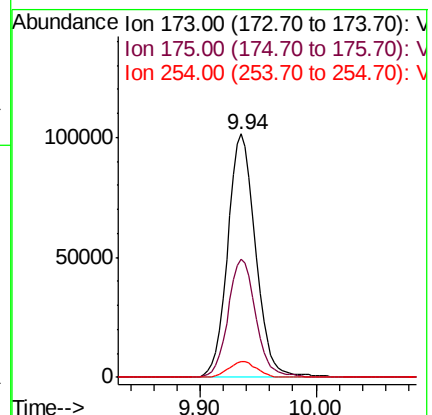
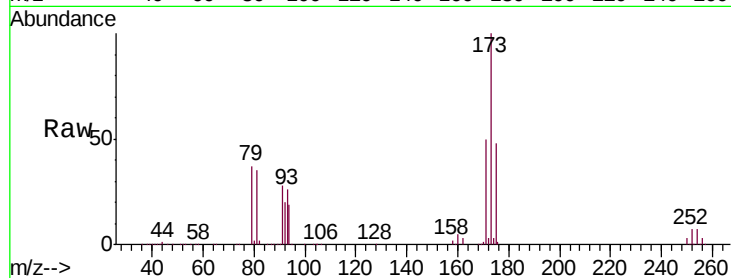
Tgt Ion:173 Resp: 169374

Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 6.5 5.3 7.9



#62

1,3-Dichlorobenzene

Concen: 48.483 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

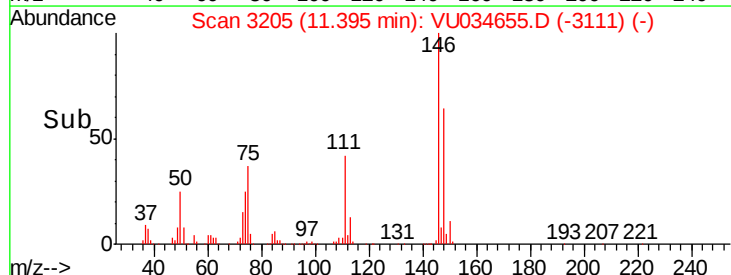
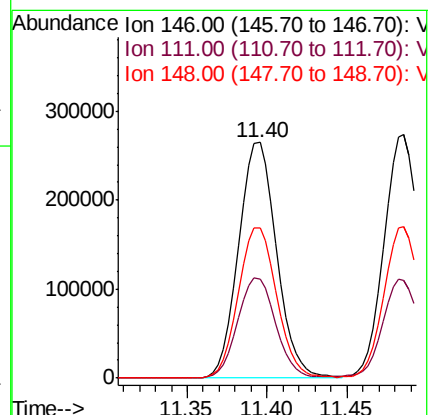
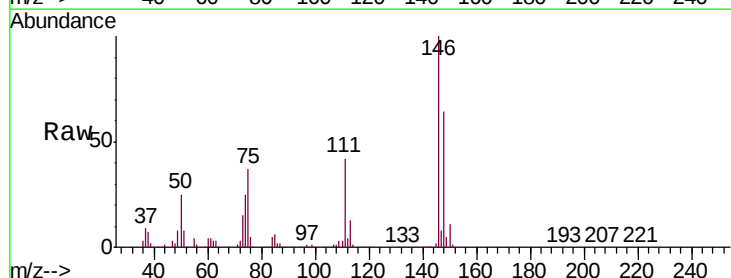
Tgt Ion:146 Resp: 428979

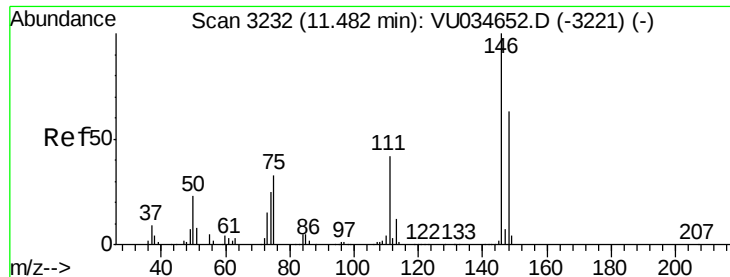
Ion Ratio Lower Upper

146 100

111 42.1 30.4 56.5

148 63.9 46.1 85.7

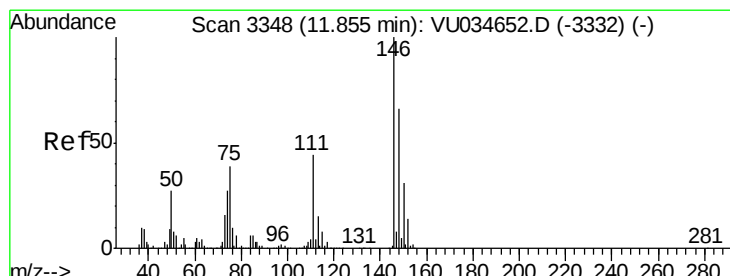
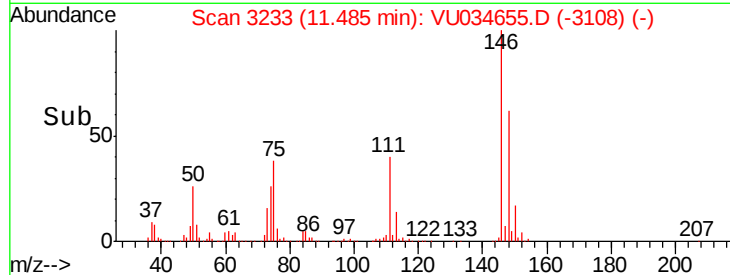
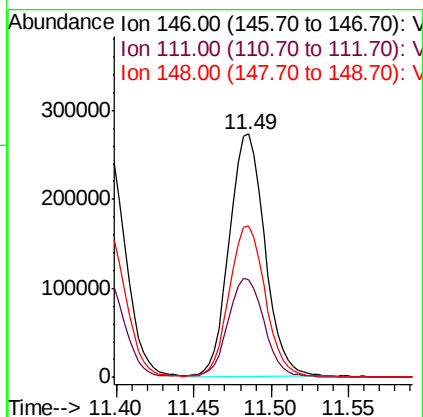
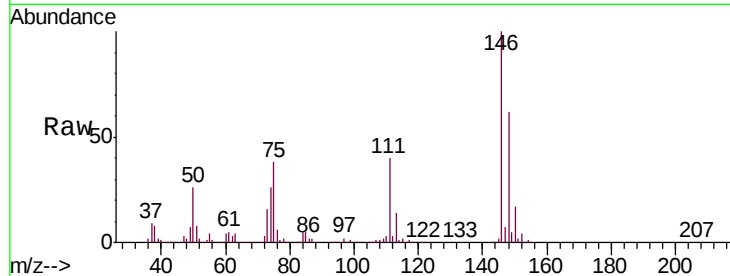




#63
 1,4-Dichlorobenzene
 Concen: 48.258 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

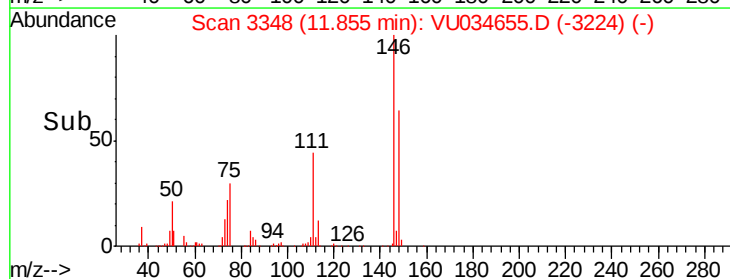
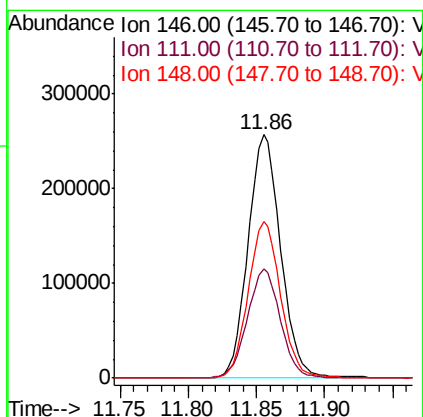
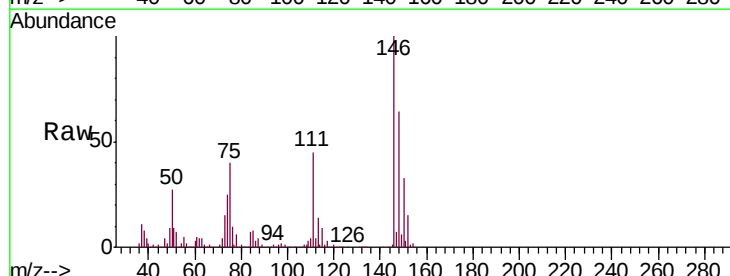
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

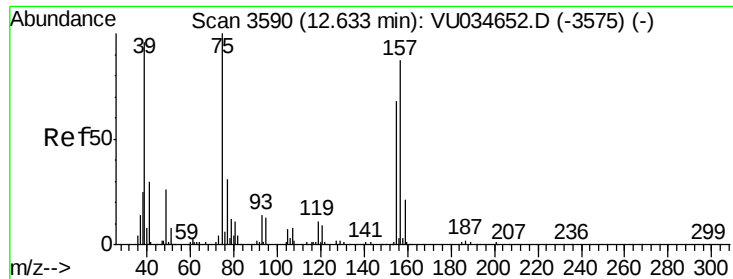
Tgt Ion:146 Resp: 434960
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.5 54.9
 148 62.4 44.4 82.4



#65
 1,2-Dichlorobenzene
 Concen: 47.519 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

Tgt Ion:146 Resp: 424827
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.2 52.8
 148 64.3 53.0 79.6

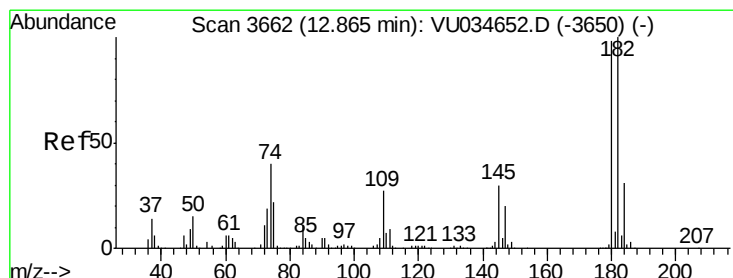
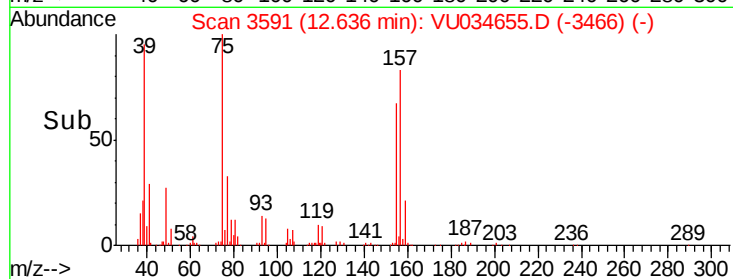
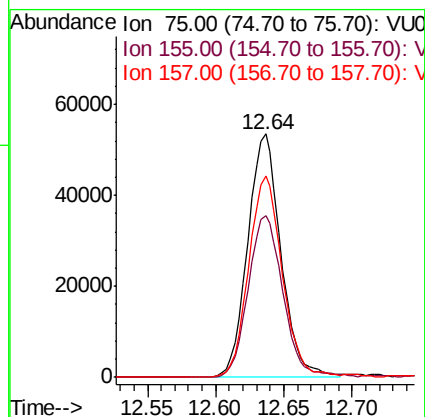
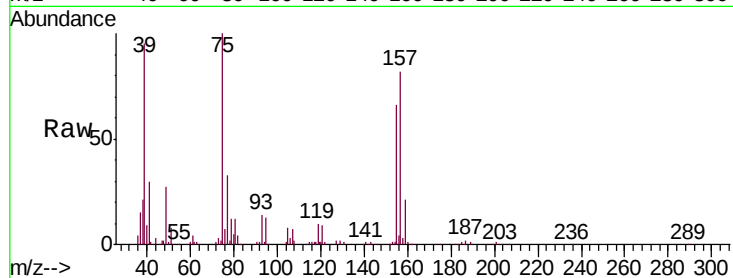




#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.611 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

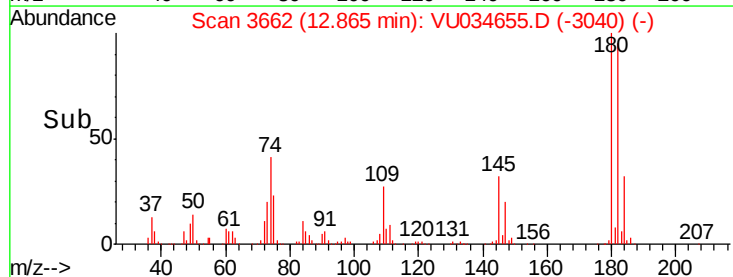
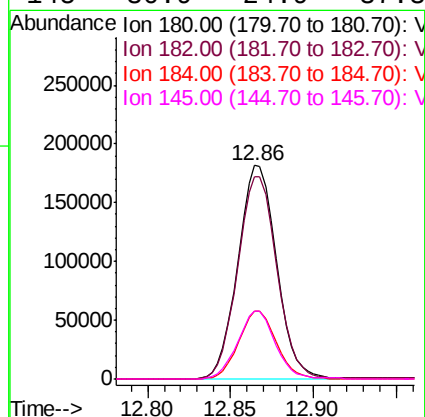
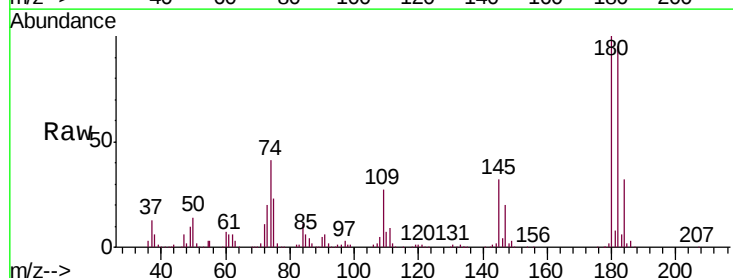
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

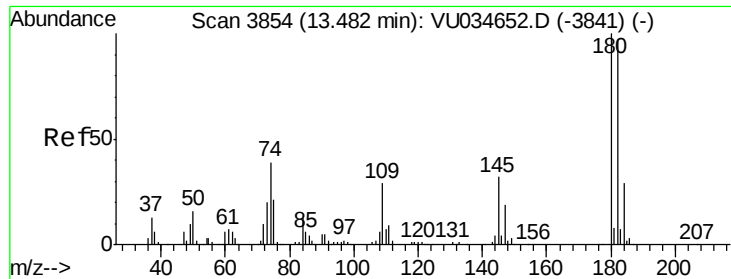
Tgt Ion: 75 Resp: 90473
 Ion Ratio Lower Upper
 75 100
 155 66.5 54.7 82.1
 157 82.5 69.9 104.9



#67
 1,3,5-Trichlorobenzene
 Concen: 49.893 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

Tgt Ion: 180 Resp: 295783
 Ion Ratio Lower Upper
 180 100
 182 96.2 79.2 118.8
 184 30.9 24.6 36.8
 145 30.9 24.9 37.3





#68

1,2,4-trichlorobenzene

Concen: 55.000 ug/L

RT: 13.48 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VICV36

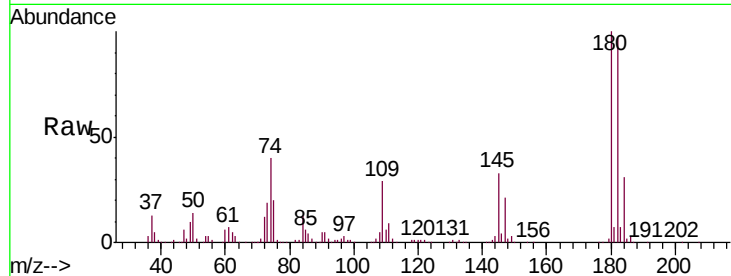
Tgt Ion:180 Resp: 256407

Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

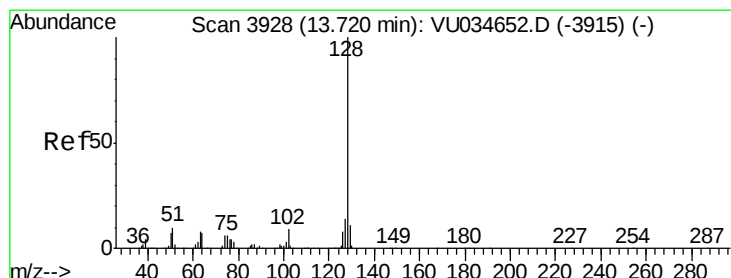
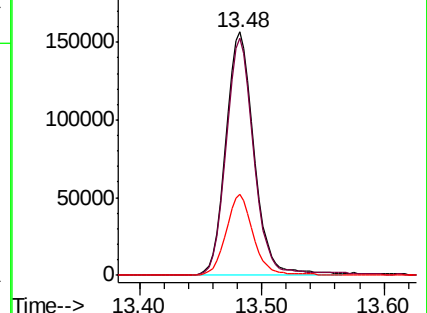
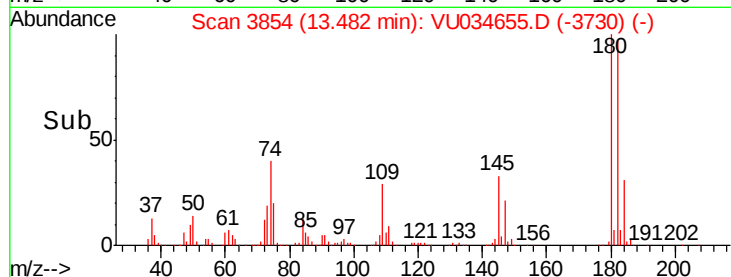
145 32.1 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 55.583 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034655.D

Acq: 19 Sep 2019 17:54

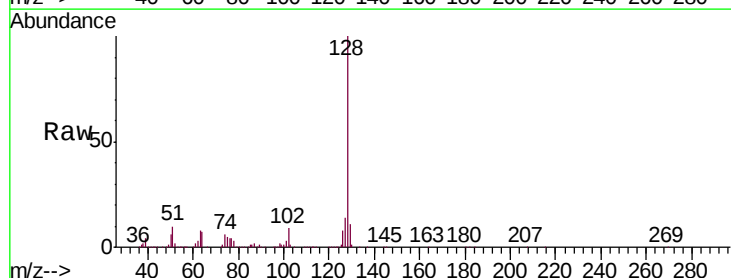
Tgt Ion:128 Resp: 897037

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

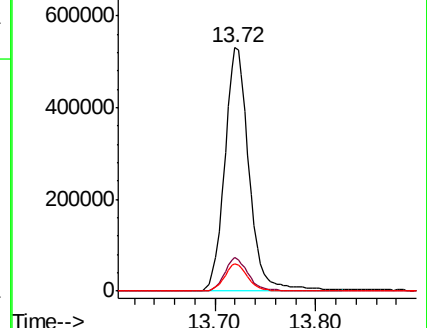
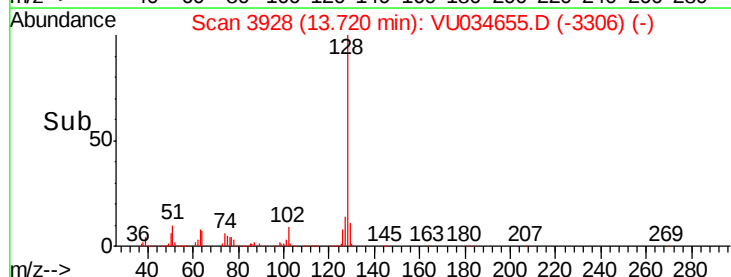
129 10.7 8.6 12.8

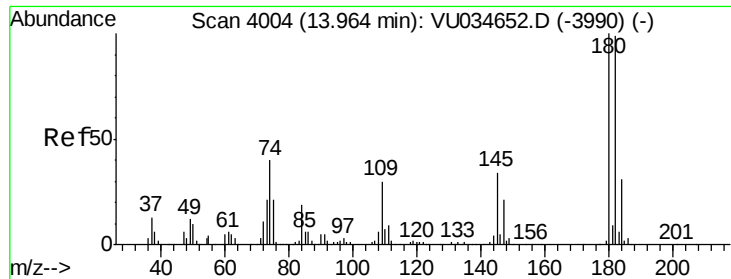


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

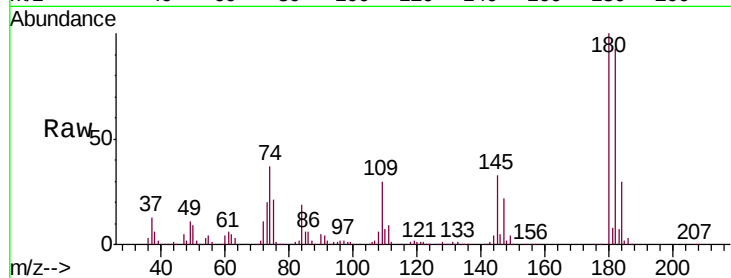




#70
 1,2,3-Trichlorobenzene
 Concen: 52.497 ug/L
 RT: 13.97 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VU034655.D
 Acq: 19 Sep 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	79.2	118.8
145	32.1	26.0	39.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

