

Data File : VU033214.D
Acq On : 12 Jul 2019 11:13
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Quant Time: Jul 13 00:03:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 23:46:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	330192	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	327765	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164180	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120721	48.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.60%
7) Chloroethane-d5	1.67	69	102326	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.84%
11) 1,1-Dichloroethene-d2	2.26	63	216410	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
21) 2-Butanone-d5	4.15	46	161954	102.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	4.62	84	201647	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	5.29	65	126445	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
32) Benzene-d6	5.32	84	400580	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	6.31	67	125597	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.52%
41) Toluene-d8	7.55	98	384871	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%
43) trans-1,3-Dichloropropene-	7.83	79	64412	51.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.00%
47) 2-Hexanone-d5	8.29	63	125058	107.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192427	49.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	150375	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161272	49.286	ug/L	98
3) Chloromethane	1.32	50	158244	49.088	ug/L	99
5) Vinyl chloride	1.40	62	181940	48.829	ug/L	100
6) Bromomethane	1.61	94	114687	49.373	ug/L	99
8) Chloroethane	1.68	64	110443	49.005	ug/L	98
9) Trichlorofluoromethane	1.87	101	237625	48.499	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	109742	48.718	ug/L	97
12) 1,1-Dichloroethene	2.27	96	106766	48.444	ug/L	99
13) Acetone	2.31	43	178333	90.122	ug/L	99
14) Carbon disulfide	2.46	76	338450	50.212	ug/L	98
15) Methyl Acetate	2.60	43	129359	50.060	ug/L	99
16) Methylene chloride	2.68	84	121775	48.394	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	113800	49.960	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	352416	50.124	ug/L	99
19) 1,1-Dichloroethane	3.42	63	210553	48.088	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	128739	50.107	ug/L	96
22) 2-Butanone	4.23	43	209788	95.435	ug/L	100

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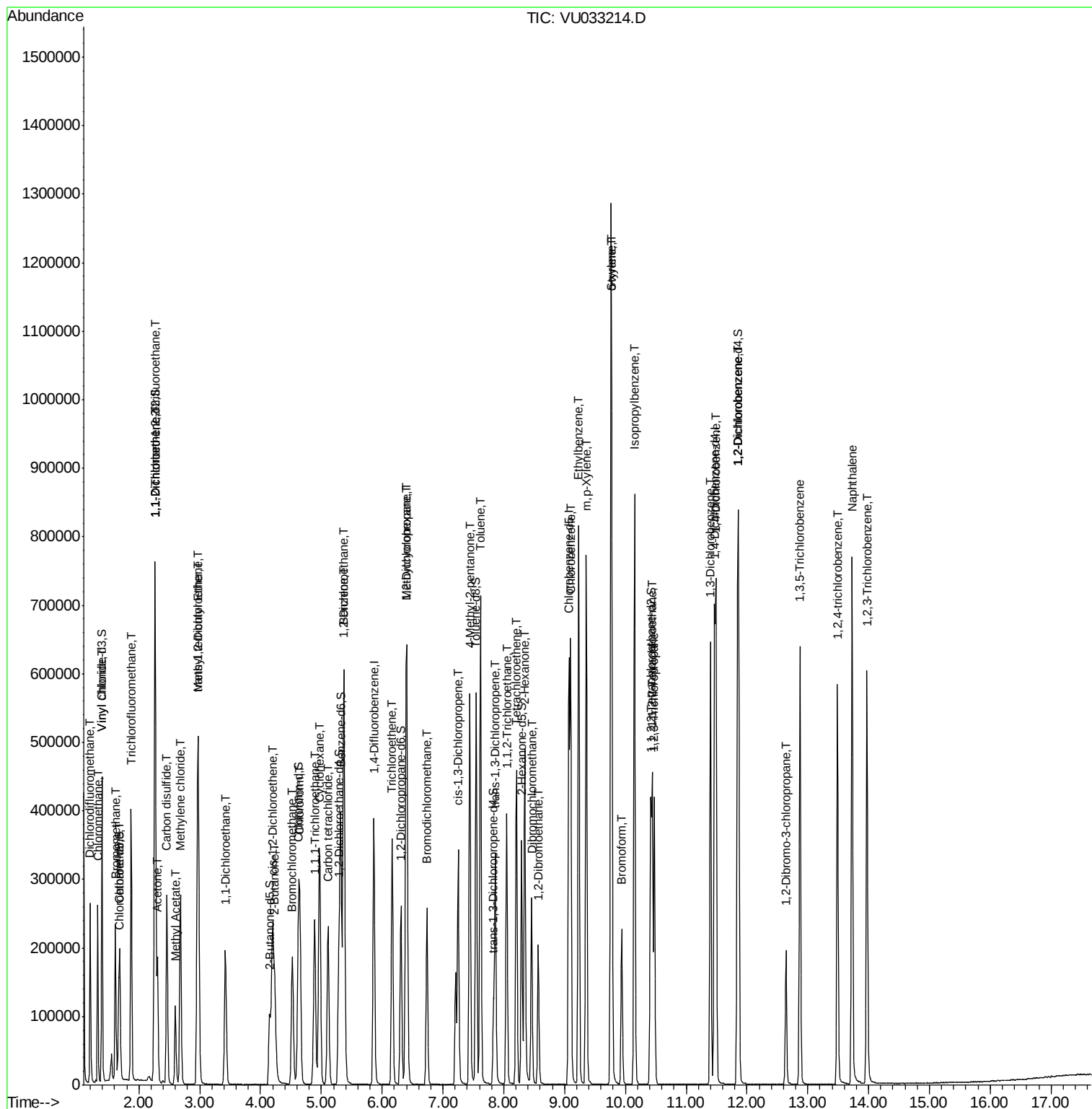
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	63752	48.458	ug/L	97
25) Chloroform	4.65	83	221688	47.606	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174963	48.521	ug/L	100
29) Cyclohexane	4.97	56	186205	52.136	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	188172	49.210	ug/L	99
31) Carbon tetrachloride	5.11	117	168013	50.208	ug/L	99
33) Benzene	5.37	78	481096	50.332	ug/L	100
34) Trichloroethene	6.16	95	122639	49.059	ug/L	97
35) Methylcyclohexane	6.40	83	199968	52.220	ug/L	98
37) 1,2-Dichloropropane	6.41	63	129419	49.925	ug/L	99
38) Bromodichloromethane	6.74	83	166159	49.691	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	203543	51.212	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	363130	104.424	ug/L	98
42) Toluene	7.62	91	524218	50.870	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	185984	51.888	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	121505	49.561	ug/L	99
46) Tetrachloroethene	8.21	164	99379	51.354	ug/L	98
48) 2-Hexanone	8.34	43	306292	108.115	ug/L	98
49) Dibromochloromethane	8.46	129	138328	50.580	ug/L	98
50) 1,2-Dibromoethane	8.57	107	133169	49.818	ug/L	95
51) Chlorobenzene	9.10	112	336986	50.100	ug/L	98
52) Ethylbenzene	9.23	91	571789	51.853	ug/L	100
53) m,p-Xylene	9.36	106	218642	52.347	ug/L	100
54) o-xylene	9.76	106	216985	52.319	ug/L	97
55) Styrene	9.77	104	368300	52.380	ug/L	96
56) Isopropylbenzene	10.15	105	554676	51.974	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	215136	49.957	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	167335	49.586	ug/L	100
61) Bromoform	9.94	173	101560	50.650	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	262276	51.896	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	271202	51.323	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	264716	51.073	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	49797	50.338	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	196940	53.921	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	177693	55.698	ug/L	99
69) Naphthalene	13.73	128	606522	59.294	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	189567	54.732	ug/L	98

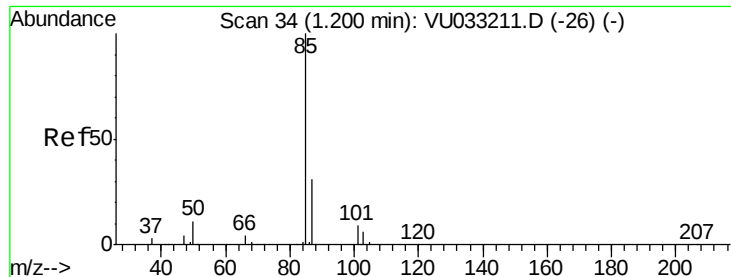
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.286 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

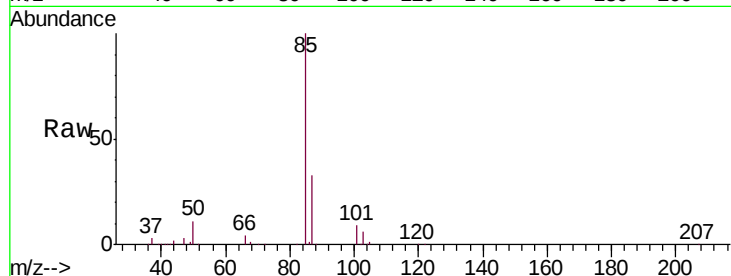
VICV31

Tgt Ion: 85 Resp: 161272

Ion Ratio Lower Upper

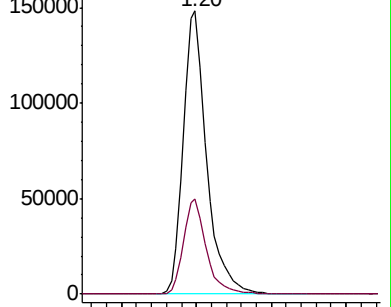
85 100

87 32.8 25.4 38.2

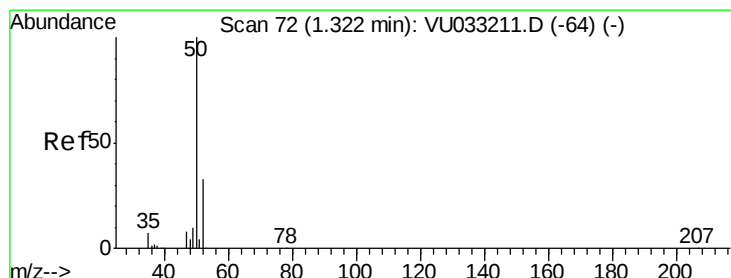
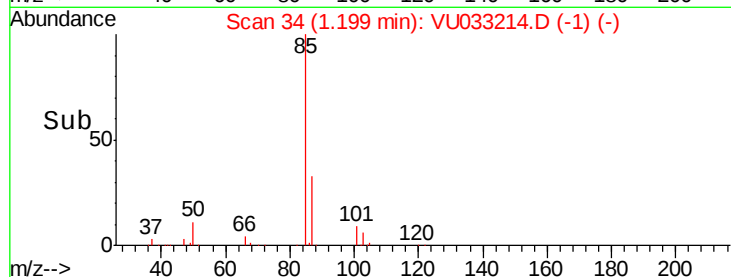


Abundance Ion 85.00 (84.70 to 85.70): VU033214.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033214.D (-26) (-)



Time-->



#3

Chloromethane

Concen: 49.088 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033214.D

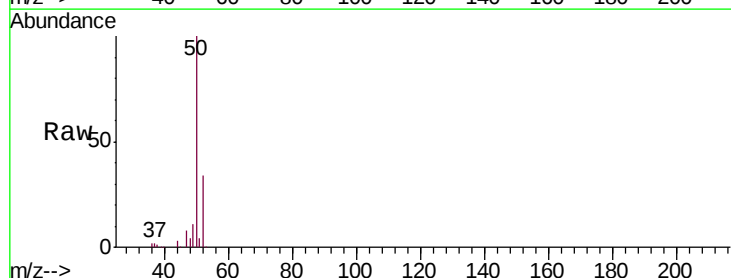
Acq: 12 Jul 2019 11:13

Tgt Ion: 50 Resp: 158244

Ion Ratio Lower Upper

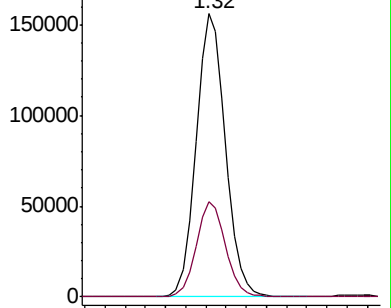
50 100

52 33.7 23.2 43.0

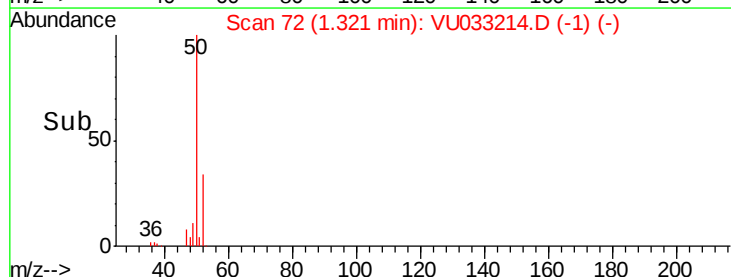


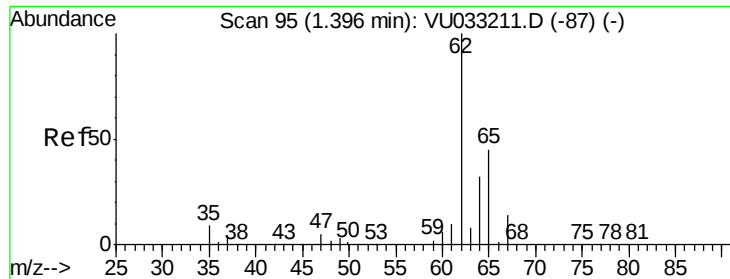
Abundance Ion 50.00 (49.70 to 50.70): VU033214.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033214.D (-64) (-)



Time-->





#5

Vinyl chloride

Concen: 48.829 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

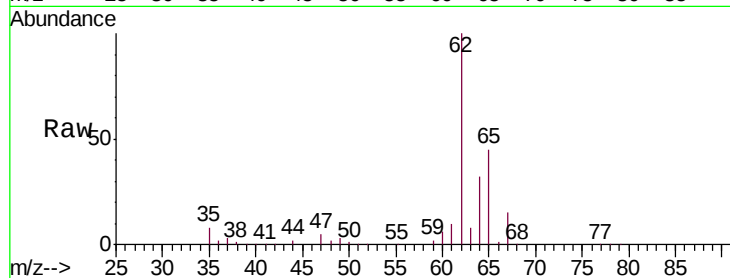
VICV31

Tgt Ion: 62 Resp: 181940

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033214.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033214.D (-87) (-)

200000

150000

100000

50000

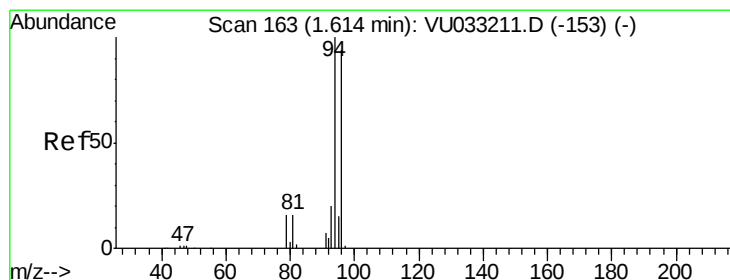
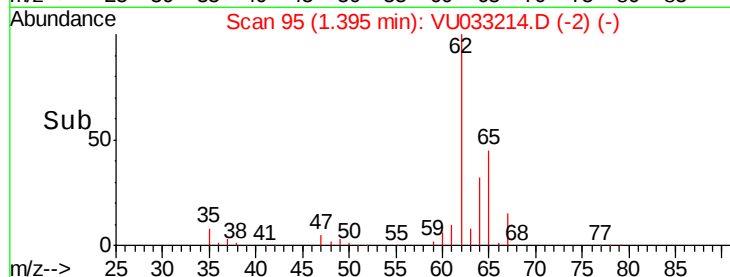
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 49.373 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU033214.D

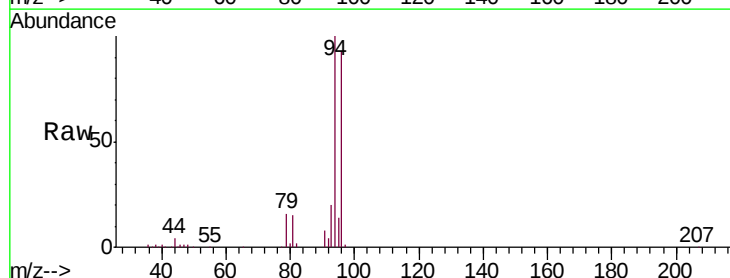
Acq: 12 Jul 2019 11:13

Tgt Ion: 94 Resp: 114687

Ion Ratio Lower Upper

94 100

96 93.5 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033214.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033214.D (-153) (-)

80000

60000

40000

20000

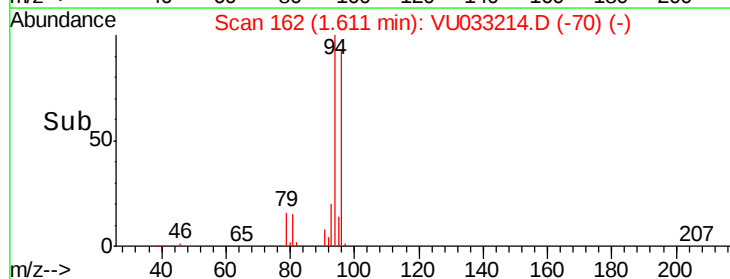
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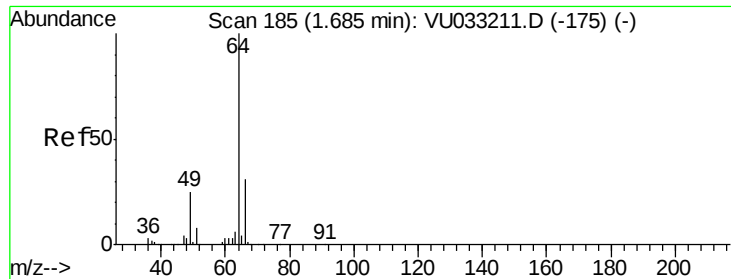
1.55

1.60

1.65

Time-->

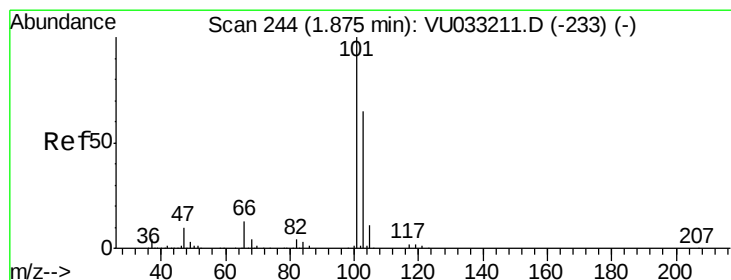
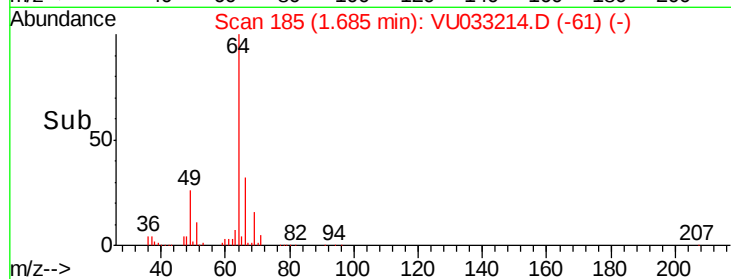
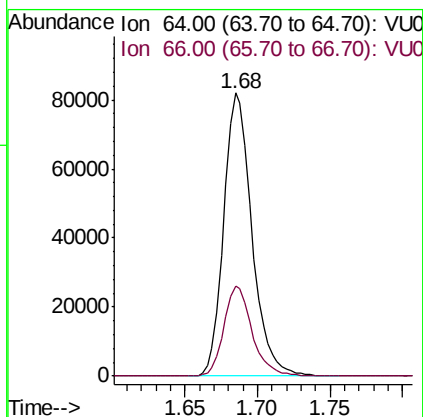
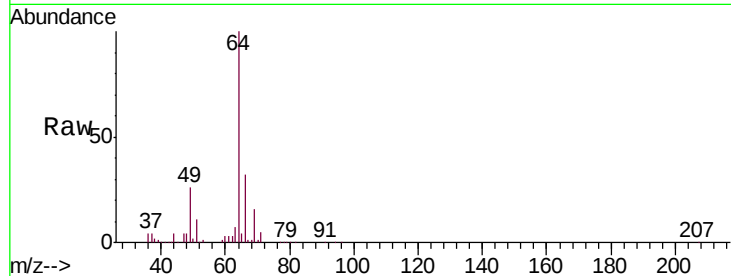




#8
Chloroethane
Concen: 49.005 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

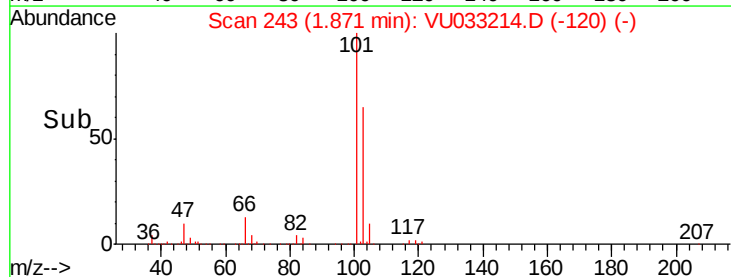
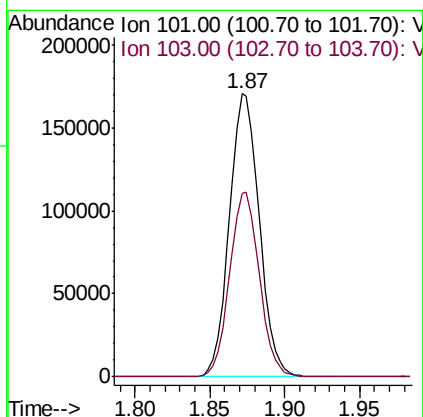
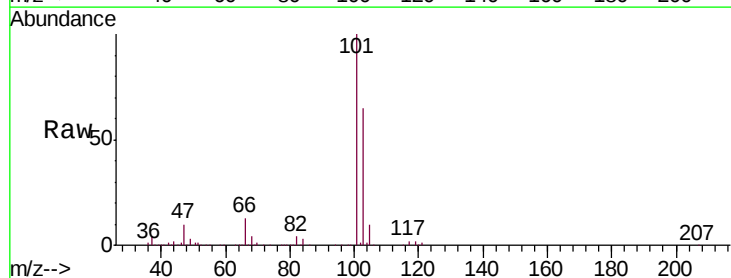
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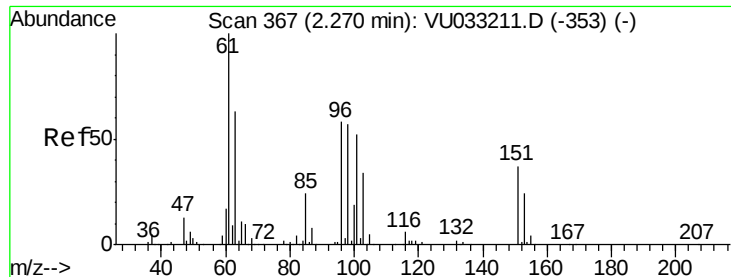
Tgt Ion: 64 Resp: 110443
Ion Ratio Lower Upper
64 100
66 31.9 21.6 40.0



#9
Trichlorofluoromethane
Concen: 48.499 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion: 101 Resp: 237625
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4





#10

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

Concen: 48.718 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

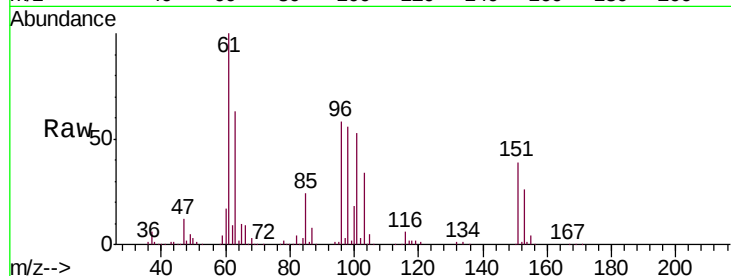
Tgt Ion:101 Resp: 109742

Ion Ratio Lower Upper

101 100

85 45.0 35.8 53.8

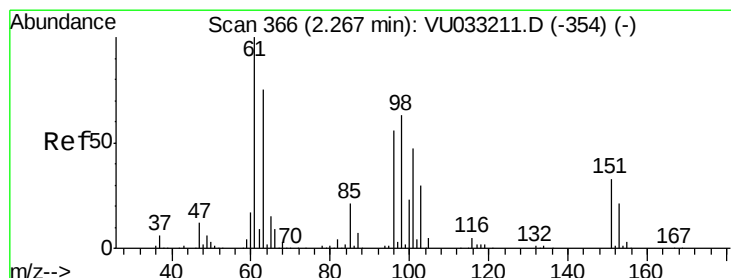
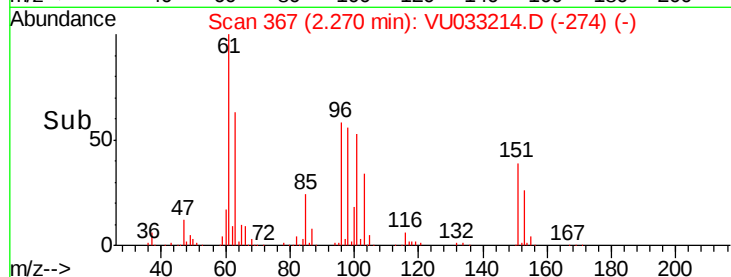
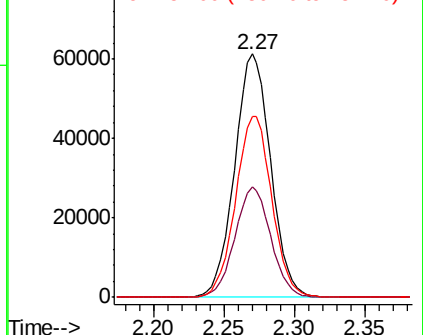
151 74.5 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.444 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

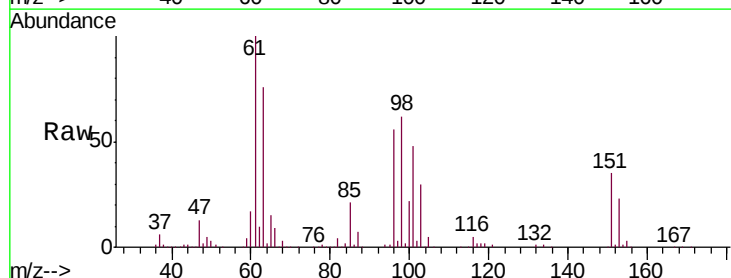
Tgt Ion: 96 Resp: 106766

Ion Ratio Lower Upper

96 100

61 178.8 126.1 234.1

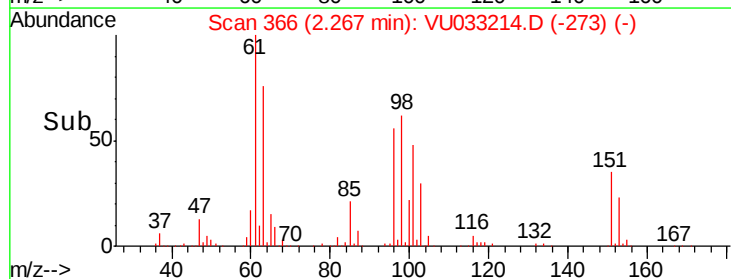
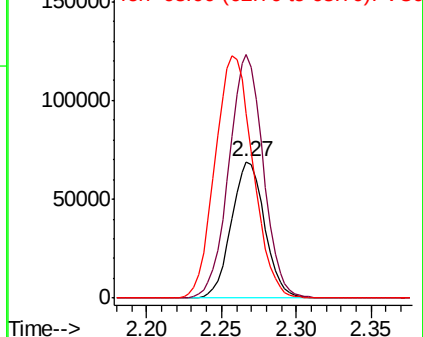
63 136.0 96.8 179.8

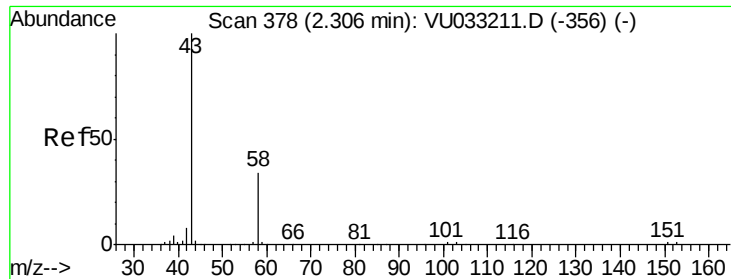


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.122 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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Acq: 12 Jul 2019 11:13

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ClientSampleId :

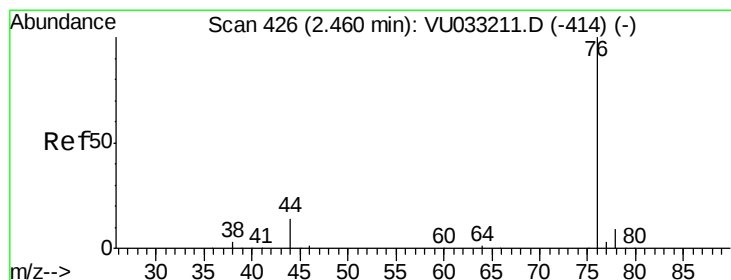
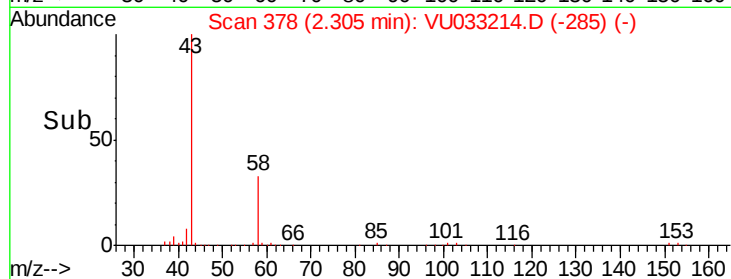
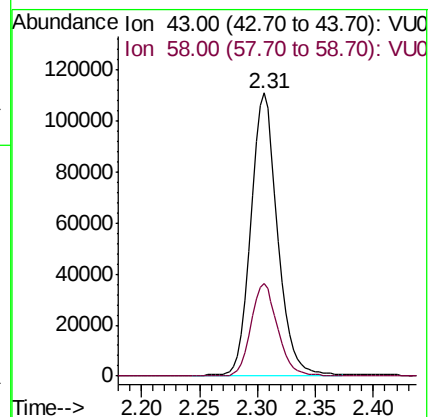
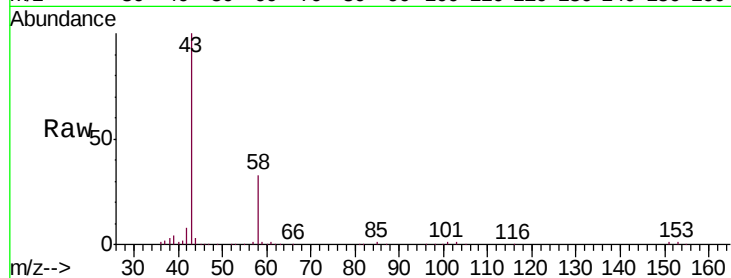
VICV31

Tgt Ion: 43 Resp: 178333

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.4



#14

Carbon disulfide

Concen: 50.212 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

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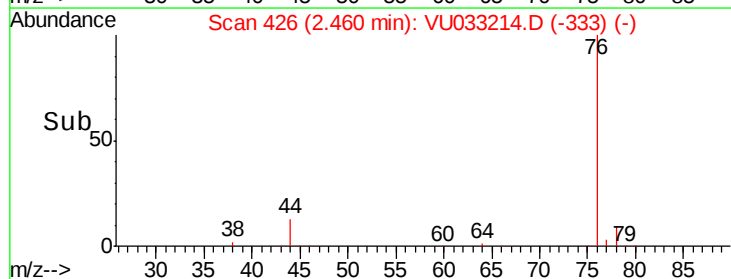
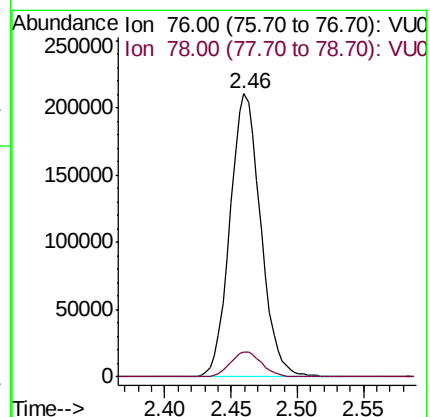
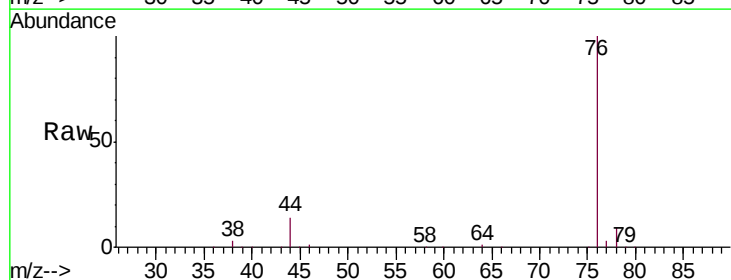
Acq: 12 Jul 2019 11:13

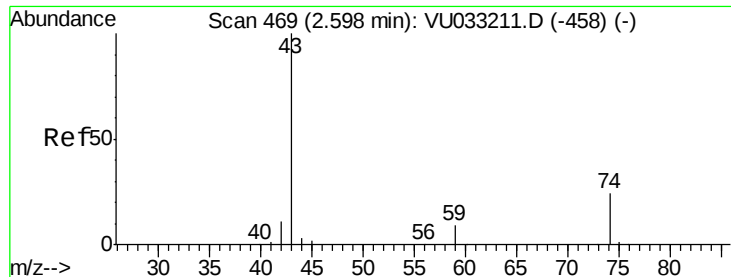
Tgt Ion: 76 Resp: 338450

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

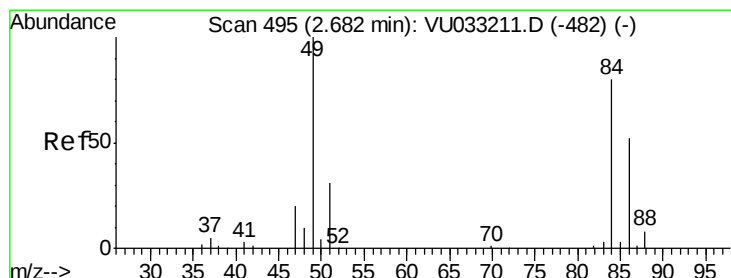
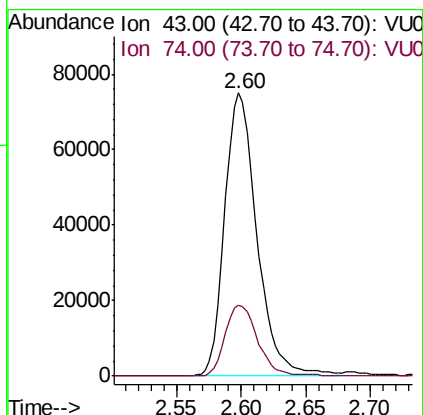
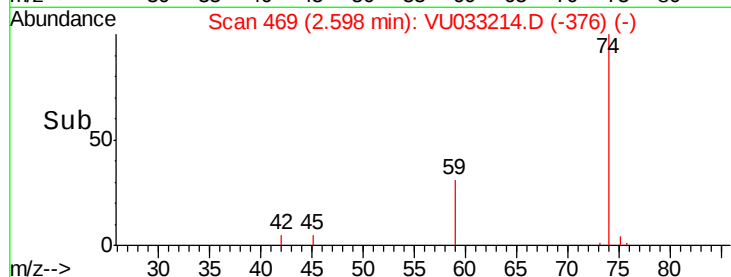
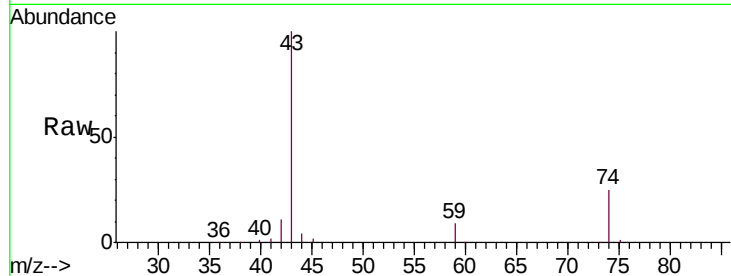




#15
Methyl Acetate
Concen: 50.060 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

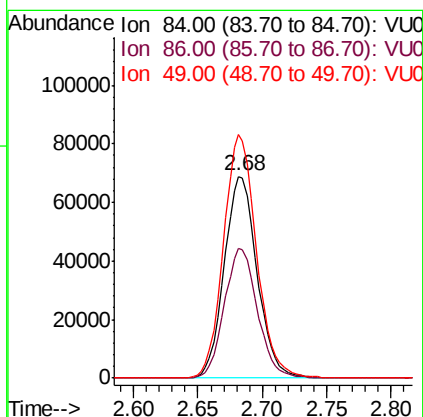
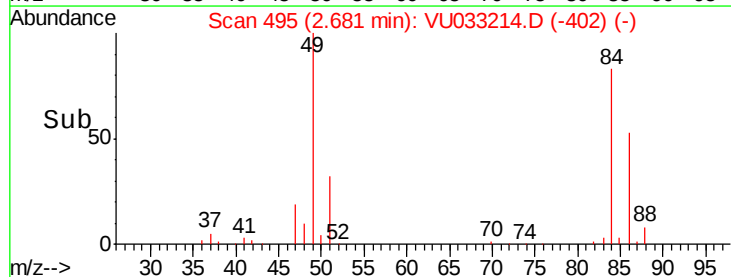
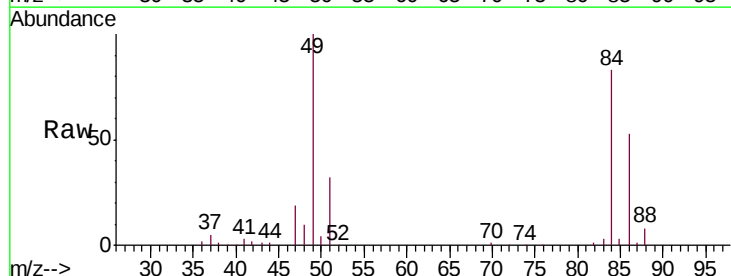
Instrument :
MSVOA_U
ClientSampleId :
VICV31

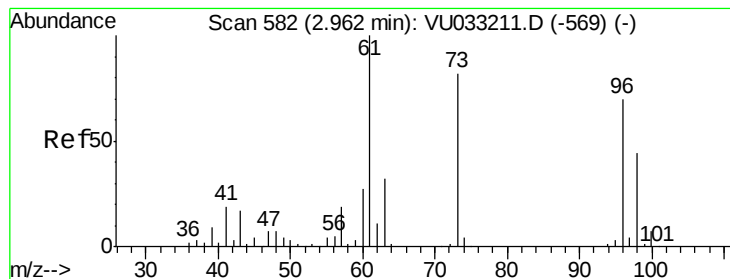
Tgt Ion: 43 Resp: 129359
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9



#16
Methylene chloride
Concen: 48.394 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion: 84 Resp: 121775
Ion Ratio Lower Upper
84 100
86 64.0 45.7 84.9
49 120.8 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 49.960 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampled :

VICV31

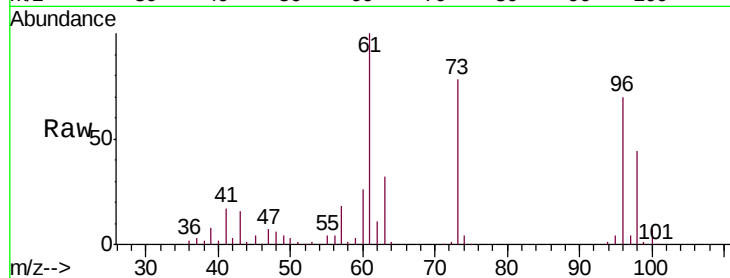
Tgt Ion: 96 Resp: 113800

Ion Ratio Lower Upper

96 100

61 143.3 100.2 186.2

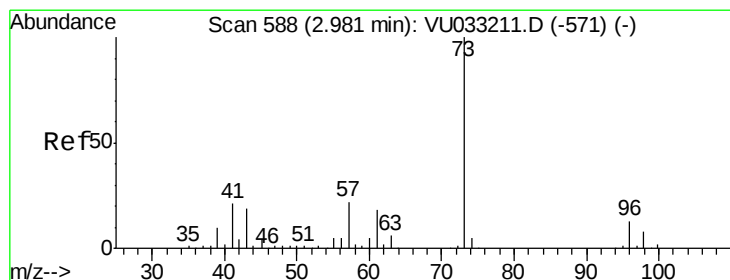
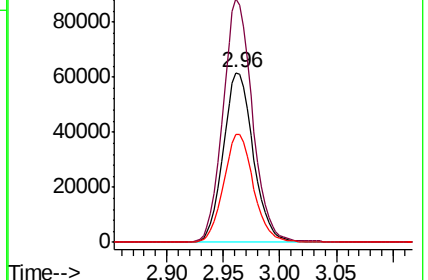
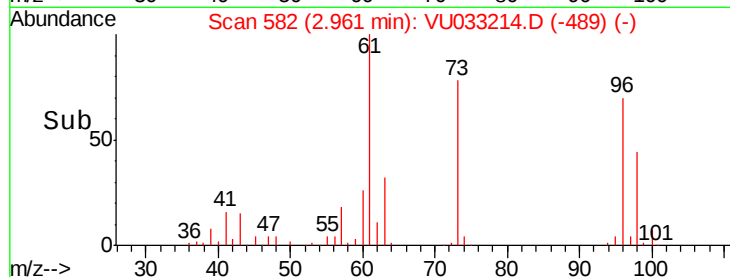
98 63.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033214.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033214.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033214.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 50.124 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

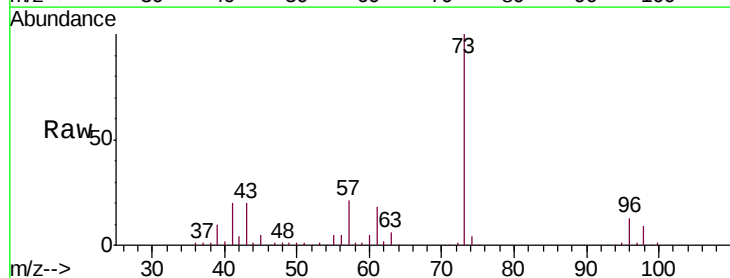
Tgt Ion: 73 Resp: 352416

Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

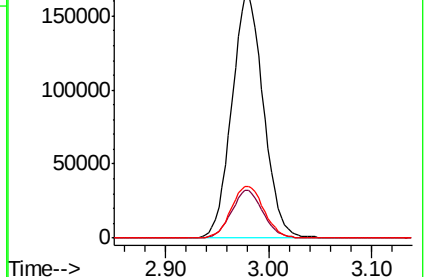
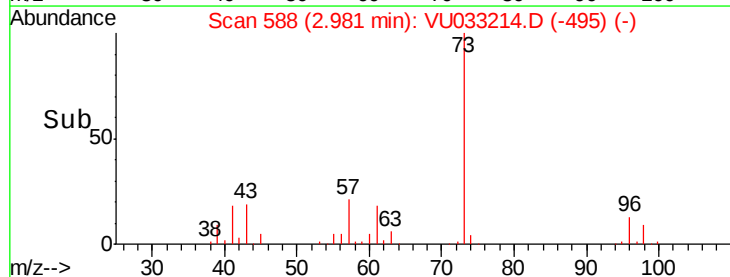
57 21.9 17.8 26.6

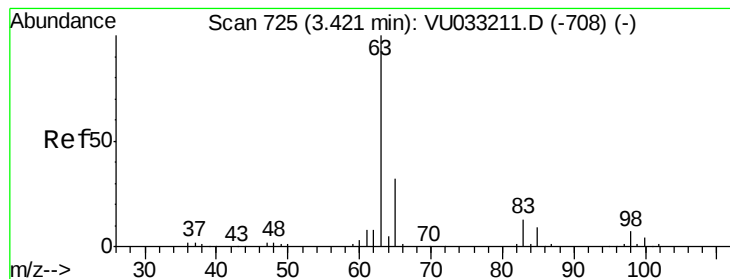


Abundance Ion 73.00 (72.70 to 73.70): VU033214.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU033214.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU033214.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 48.088 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

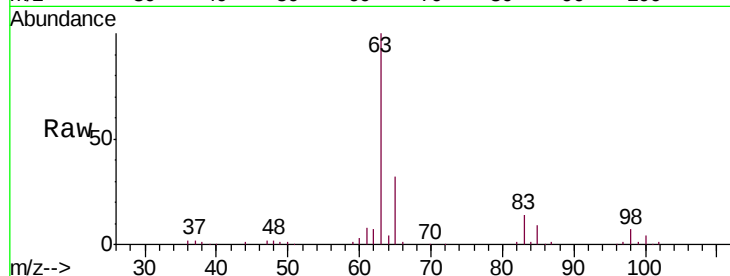
Tgt Ion: 63 Resp: 210553

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

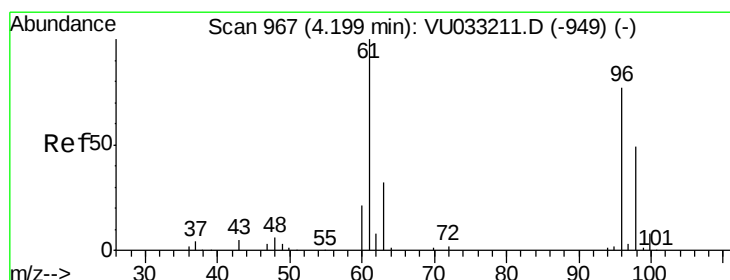
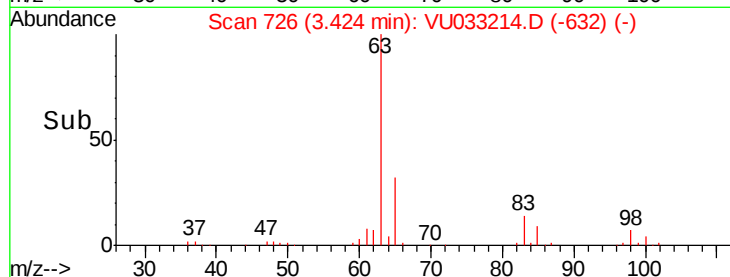
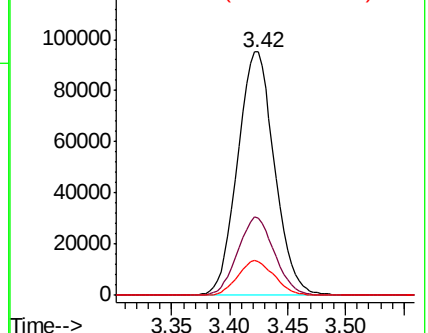
83 13.8 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033214.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033214.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033214.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.107 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

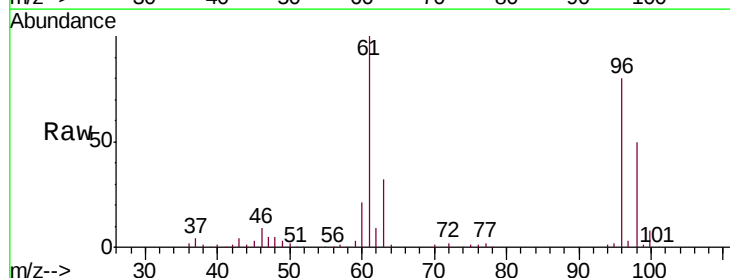
Tgt Ion: 96 Resp: 128739

Ion Ratio Lower Upper

96 100

61 125.4 91.1 169.1

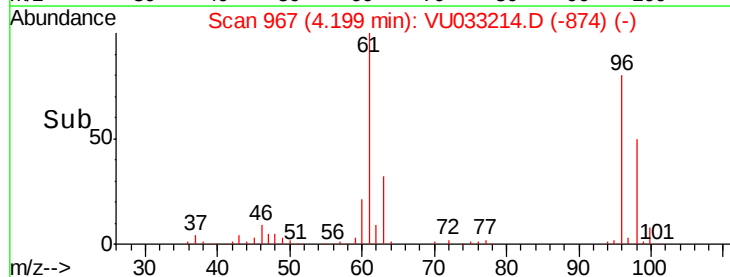
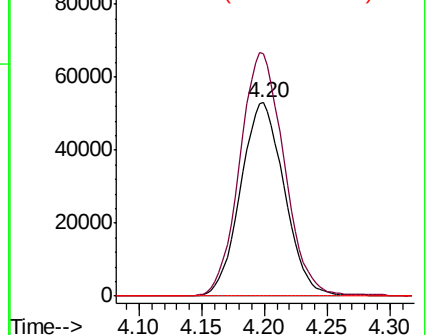
68 0.0 0.0 0.0

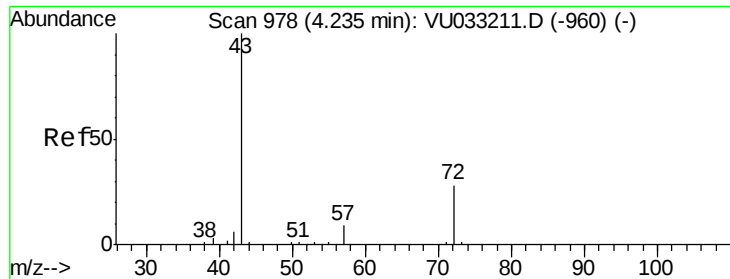


Abundance Ion 96.00 (95.70 to 96.70): VU033214.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033214.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033214.D (-874) (-)





#22

2-Butanone

Concen: 95.435 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

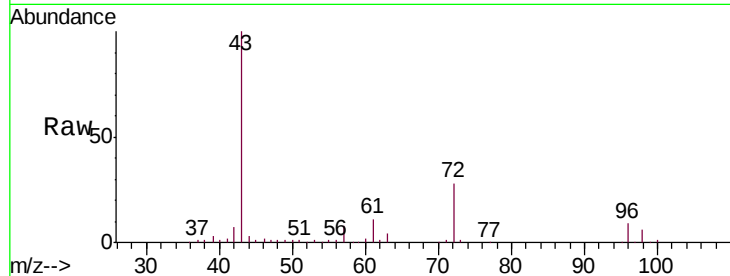
VICV31

Tgt Ion: 43 Resp: 209788

Ion Ratio Lower Upper

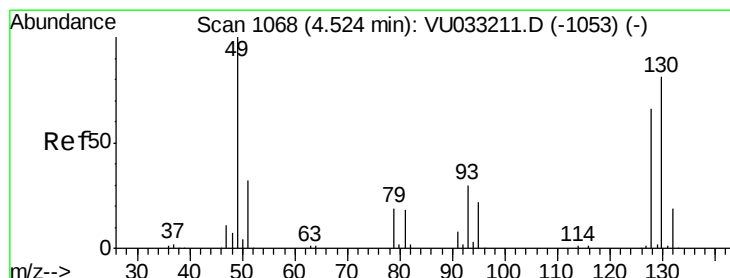
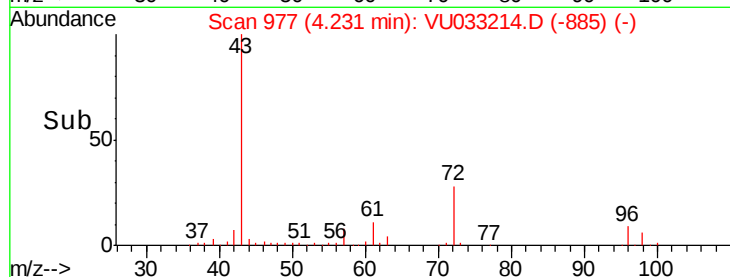
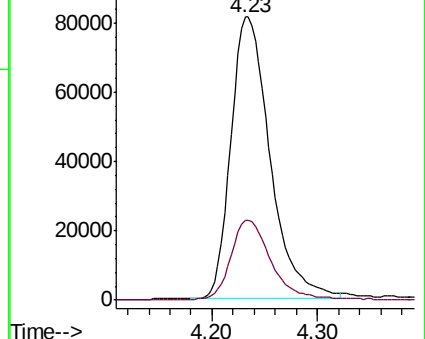
43 100

72 28.8 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033211.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033211.D (-960) (-)



#23

Bromochloromethane

Concen: 48.458 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Tgt Ion: 128 Resp: 63752

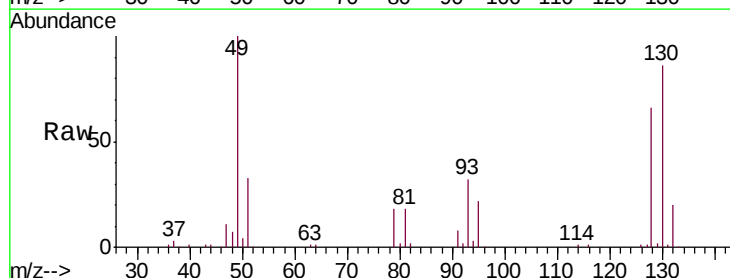
Ion Ratio Lower Upper

128 100

49 151.0 107.2 199.2

130 130.2 87.0 161.6

51 49.8 39.6 59.4

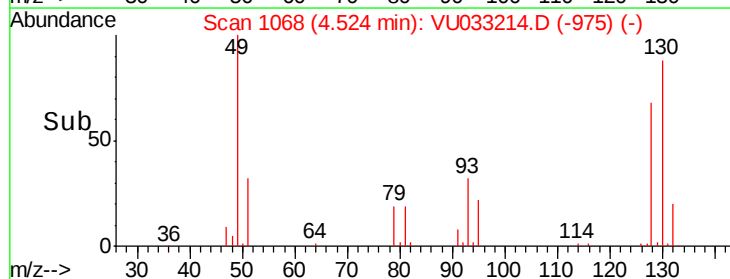
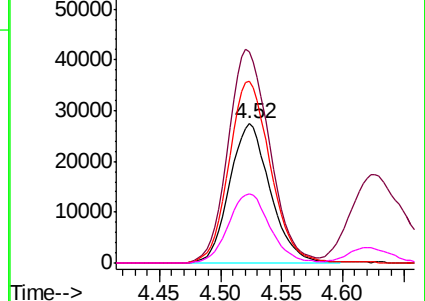


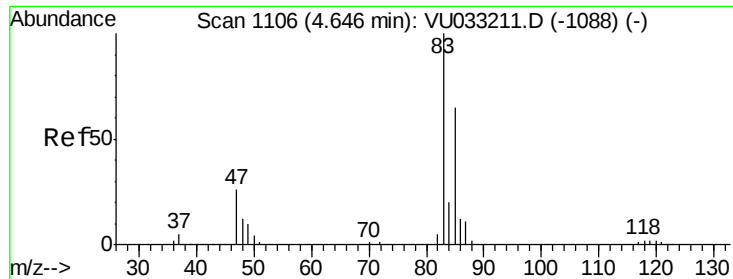
Abundance Ion 128.00 (127.70 to 128.70): VU033211.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033211.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033211.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033211.D (-1053) (-)

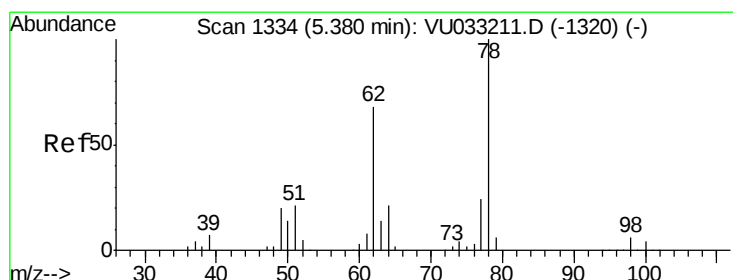
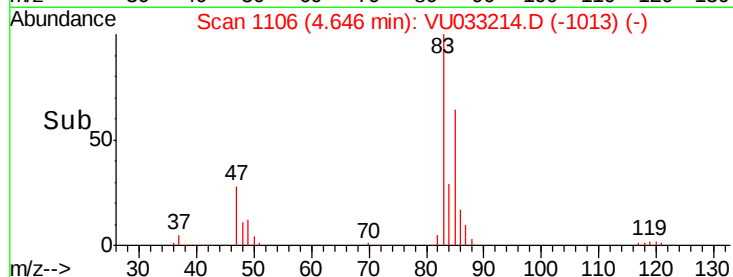
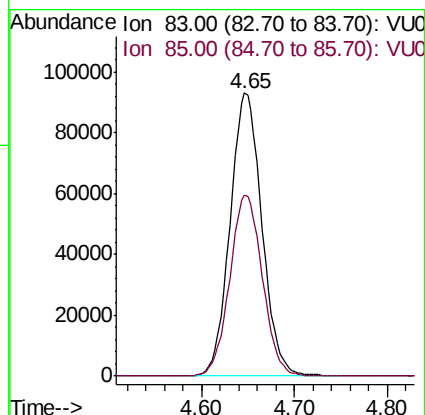
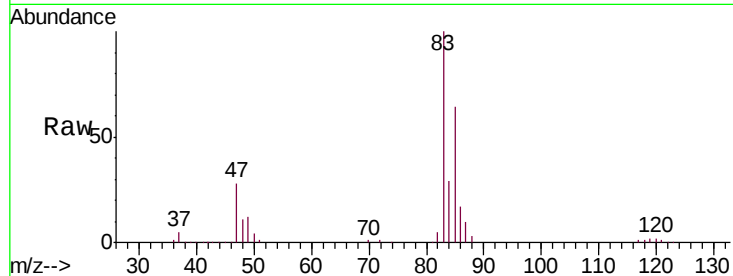




#25
Chloroform
Concen: 47.606 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

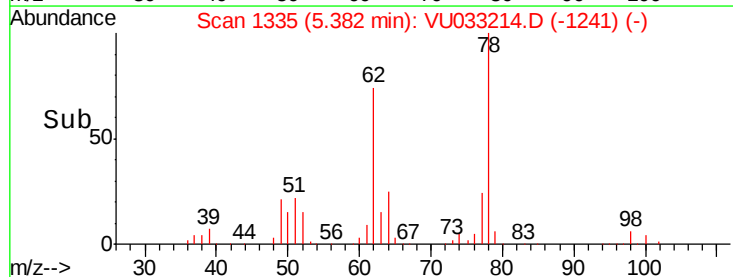
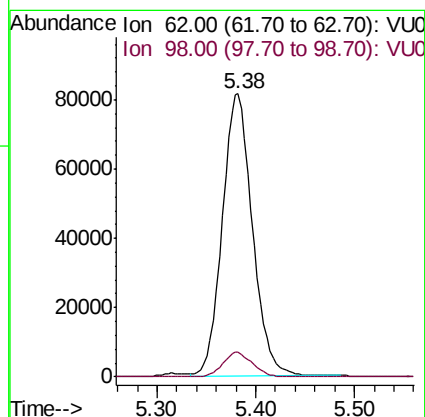
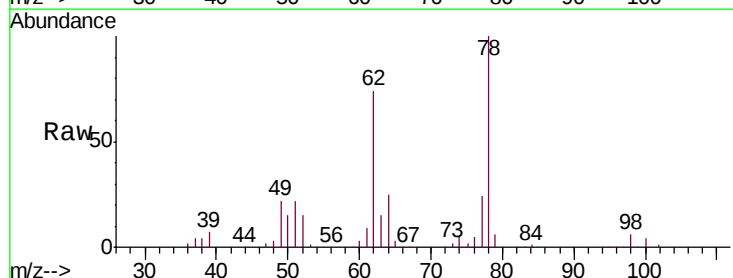
Instrument :
MSVOA_U
ClientSampled :
VICV31

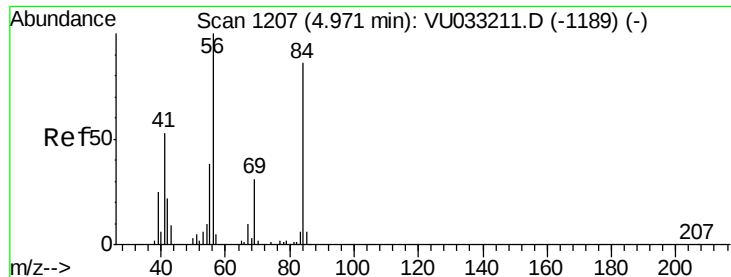
Tgt Ion: 83 Resp: 221688
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 48.521 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion: 62 Resp: 174963
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

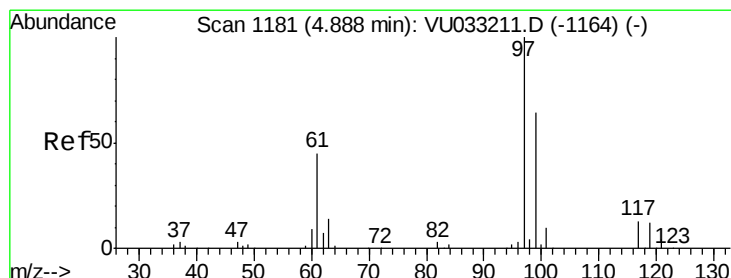
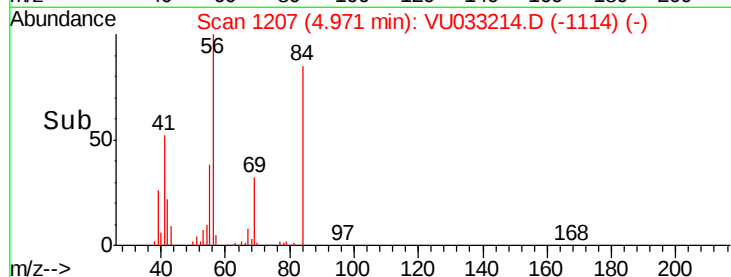
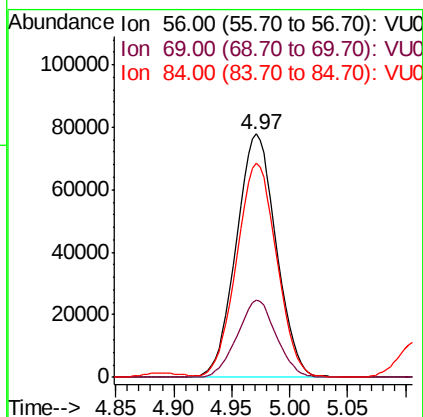
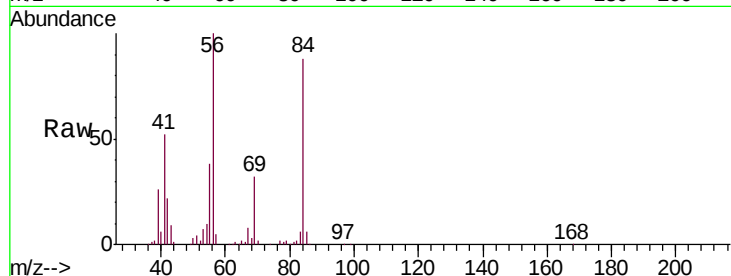




#29
Cyclohexane
Concen: 52.136 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

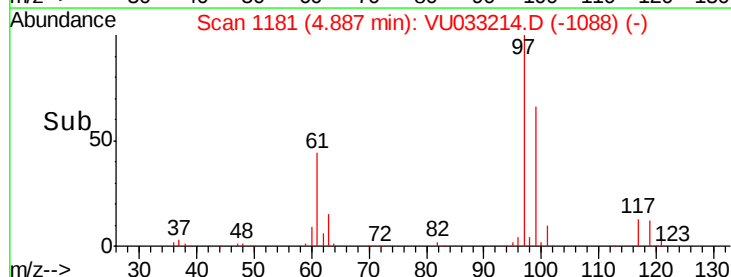
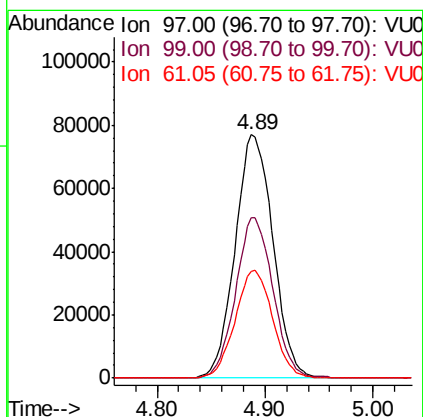
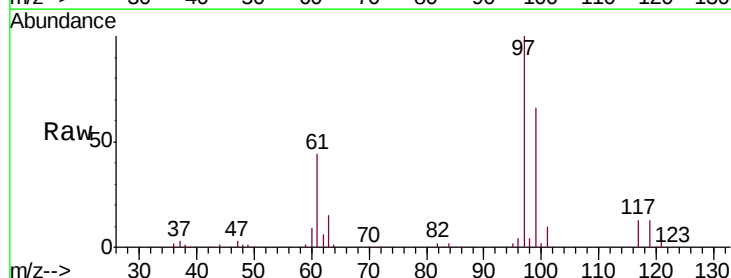
Instrument :
MSVOA_U
ClientSampled :
VICV31

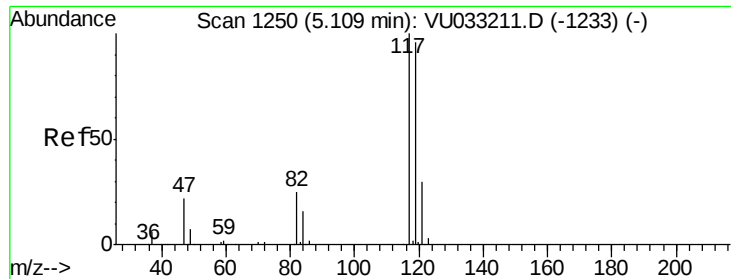
Tgt Ion: 56 Resp: 186205
Ion Ratio Lower Upper
56 100
69 31.1 24.7 37.1
84 88.6 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 49.210 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion: 97 Resp: 188172
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 44.0 36.4 54.6





#31

Carbon tetrachloride

Concen: 50.208 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

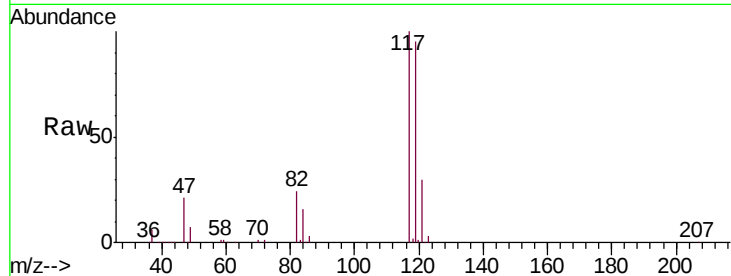
VICV31

Tgt Ion: 117 Resp: 168013

Ion Ratio Lower Upper

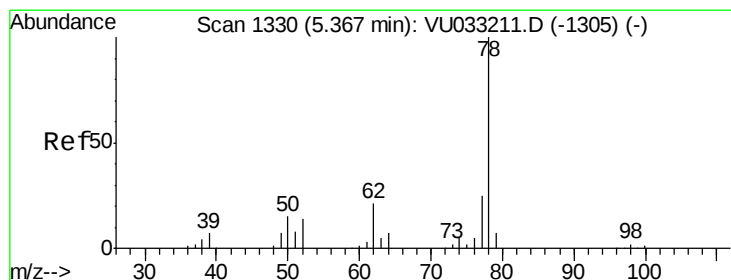
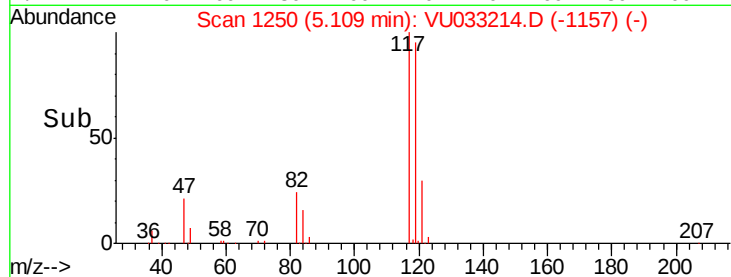
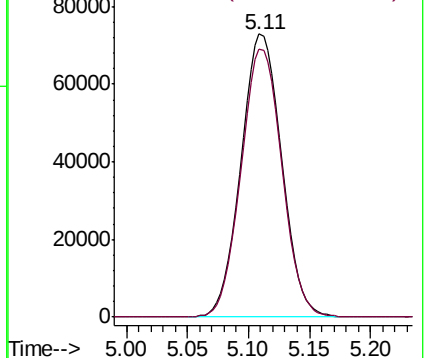
117 100

119 95.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.332 ug/L

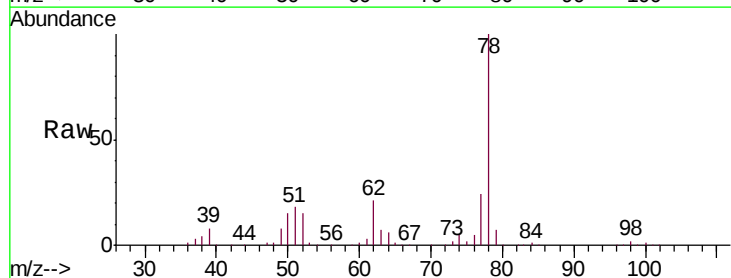
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

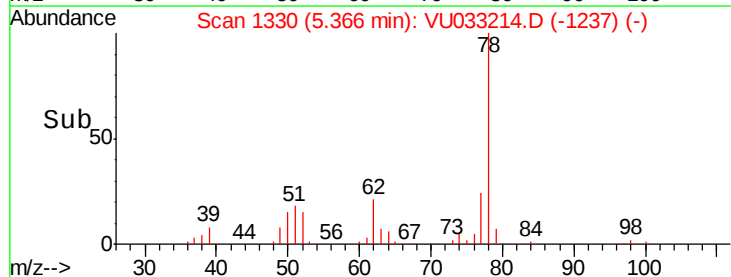
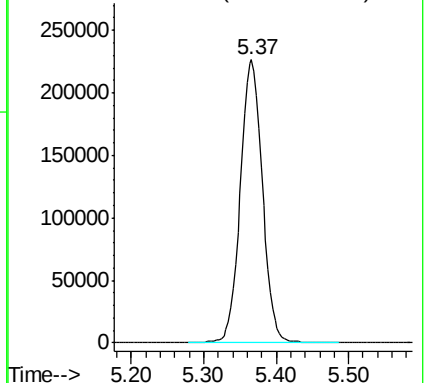
Lab File: VU033214.D

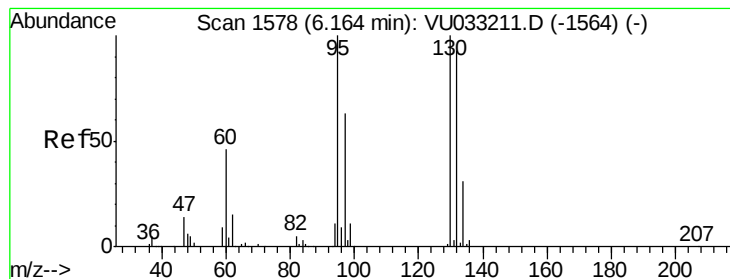
Acq: 12 Jul 2019 11:13

Tgt Ion: 78 Resp: 481096



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.059 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

Tgt Ion: 95 Resp: 122639

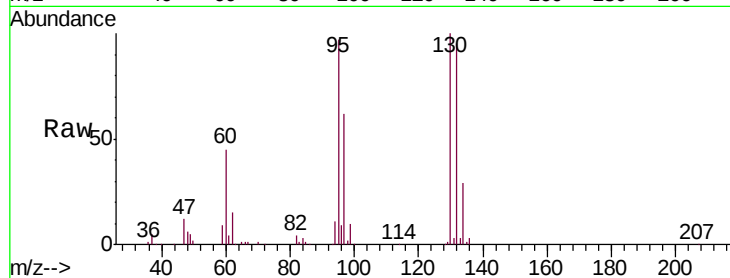
Ion Ratio Lower Upper

95 100

97 63.8 43.8 81.4

132 97.3 65.5 121.6

130 102.6 69.7 129.5

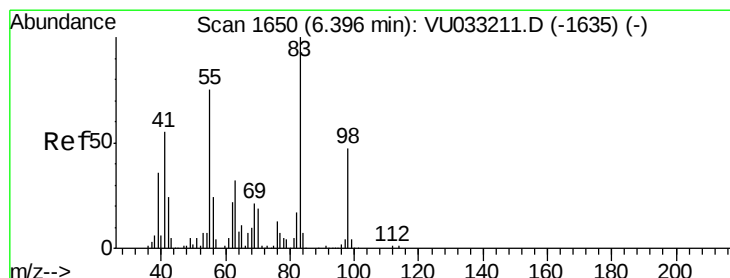
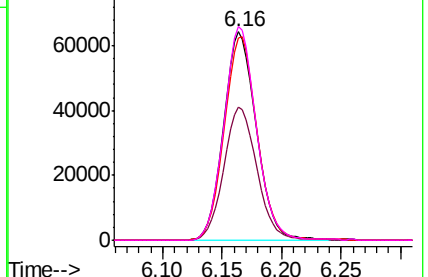
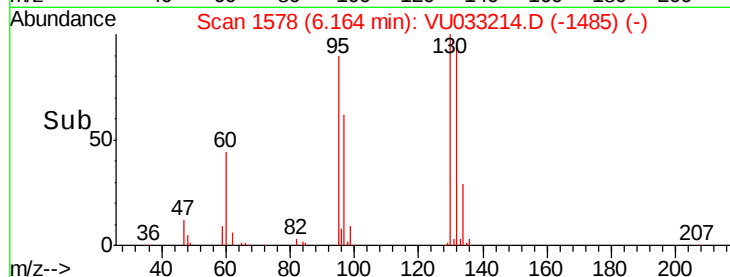


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.220 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

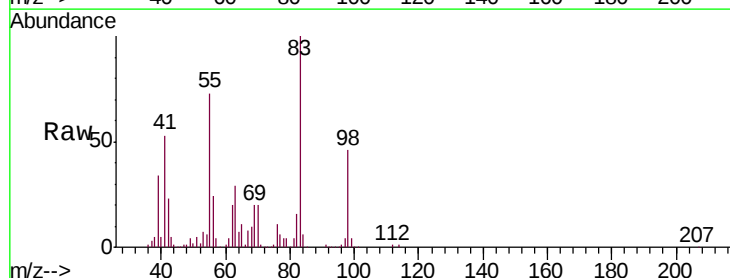
Tgt Ion: 83 Resp: 199968

Ion Ratio Lower Upper

83 100

55 73.9 60.5 90.7

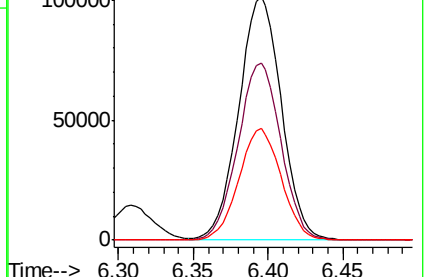
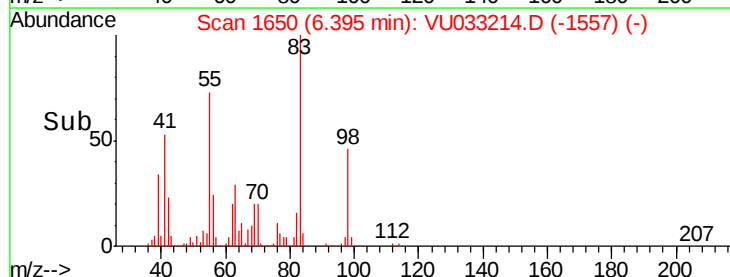
98 45.9 37.4 56.0

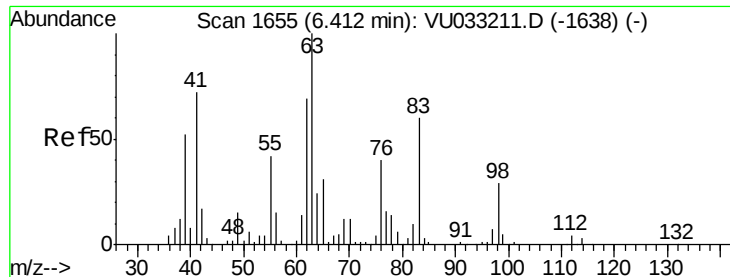


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

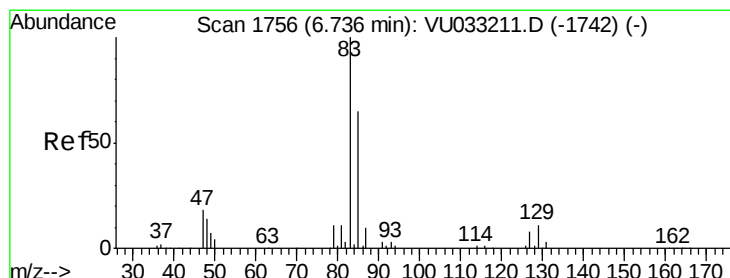
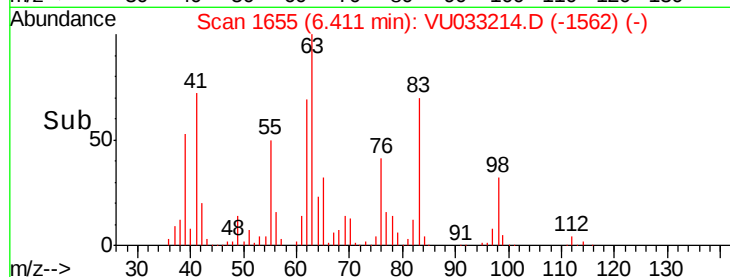
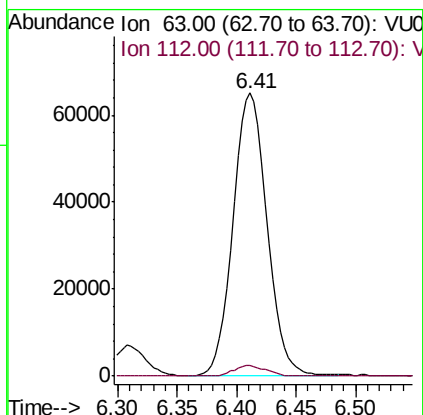
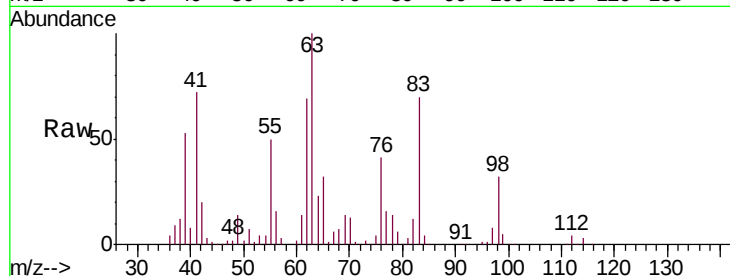




#37
 1,2-Dichloropropane
 Concen: 49.925 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

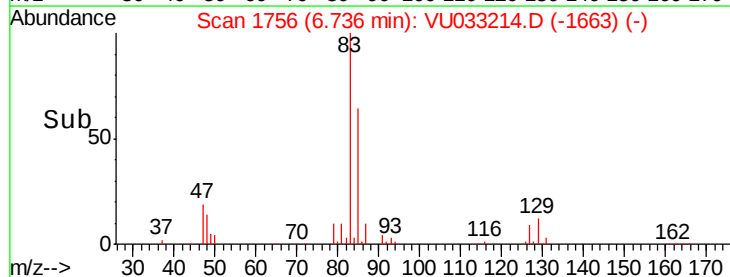
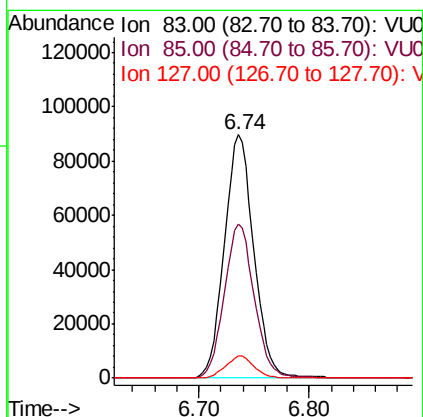
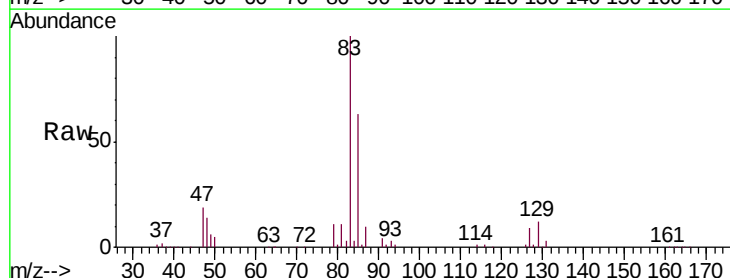
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

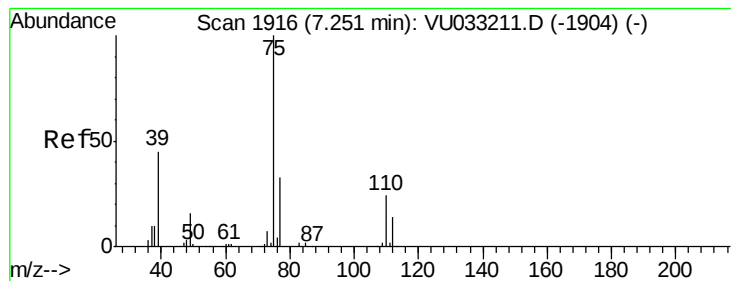
Tgt Ion: 63 Resp: 129419
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.691 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Tgt Ion: 83 Resp: 166159
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.8 85.0
 127 8.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 51.212 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

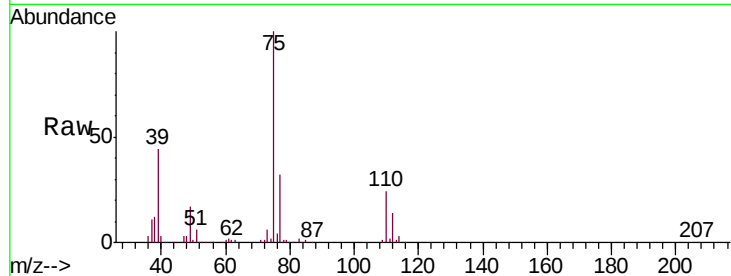
VICV31

Tgt Ion: 75 Resp: 203543

Ion Ratio Lower Upper

75 100

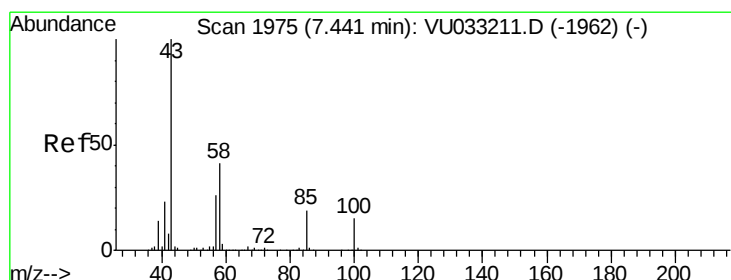
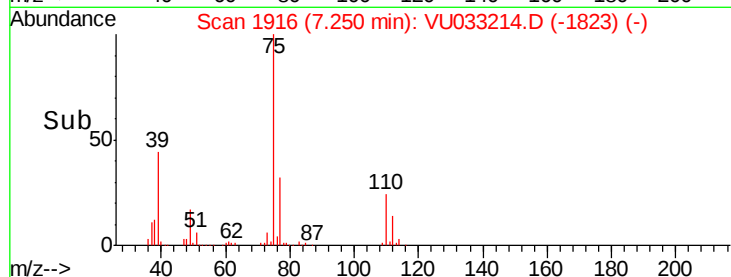
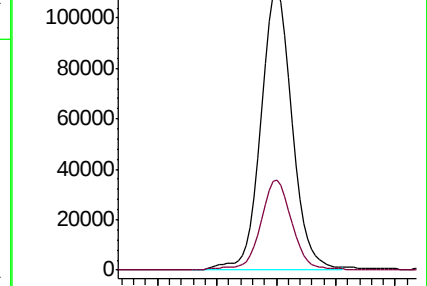
77 31.9 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU033214.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033214.D (-1823) (-)

7.25



#40

4-Methyl-2-pentanone

Concen: 104.424 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

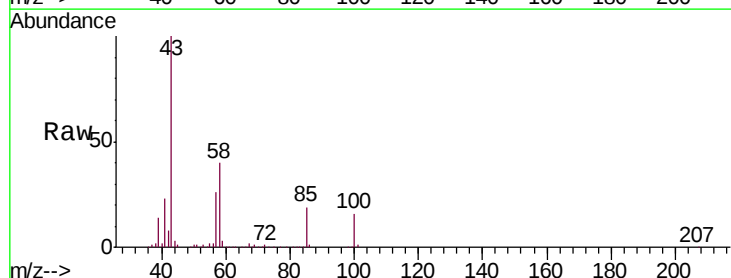
Tgt Ion: 43 Resp: 363130

Ion Ratio Lower Upper

43 100

58 40.6 33.3 49.9

100 15.8 12.1 18.1

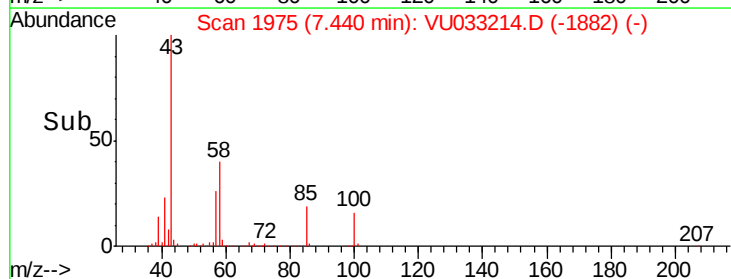
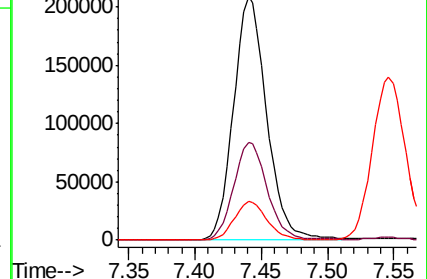


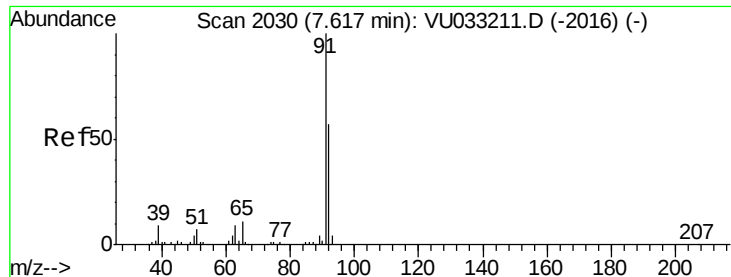
Abundance Ion 43.00 (42.70 to 43.70): VU033214.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU033214.D (-1882) (-)

Ion 100.00 (99.70 to 100.70): VU033214.D (-1882) (-)

7.44





#42

Toluene

Concen: 50.870 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

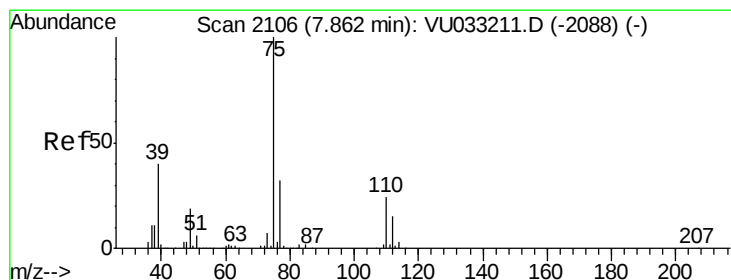
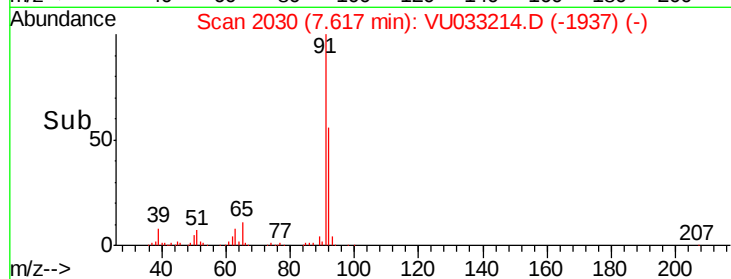
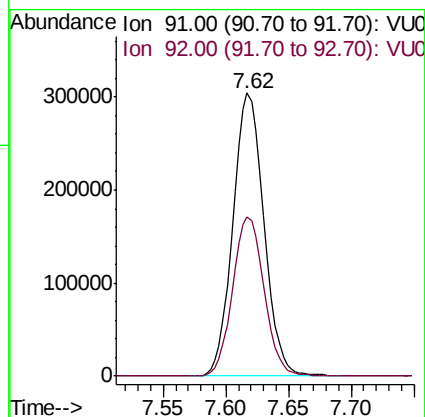
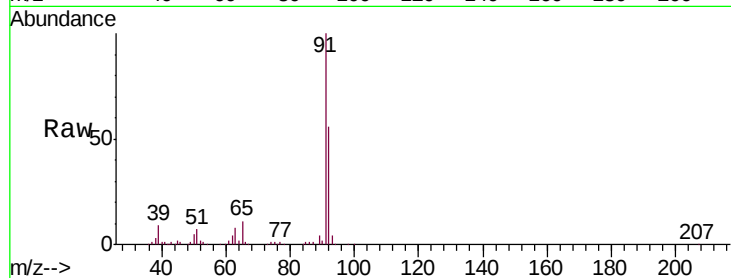
VICV31

Tgt Ion: 91 Resp: 524218

Ion Ratio Lower Upper

91 100

92 56.1 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 51.888 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033214.D

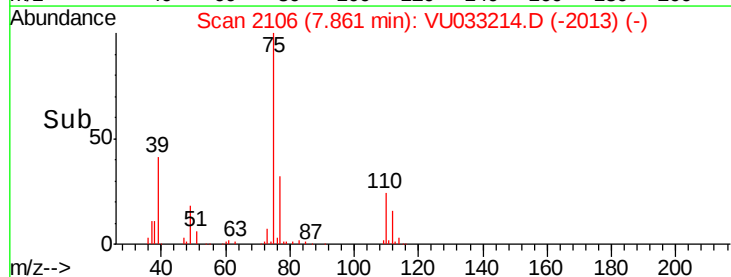
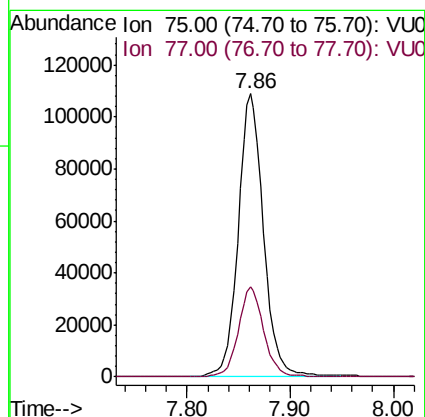
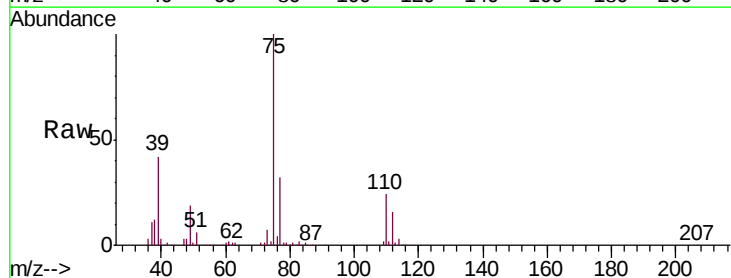
Acq: 12 Jul 2019 11:13

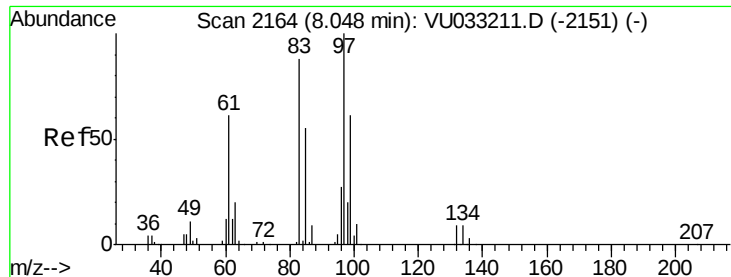
Tgt Ion: 75 Resp: 185984

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6

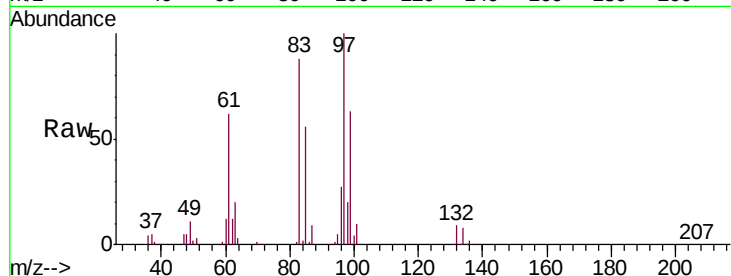




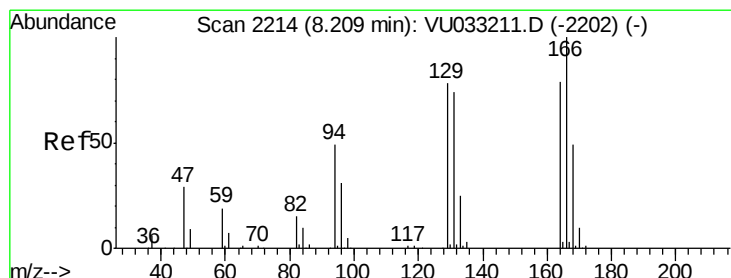
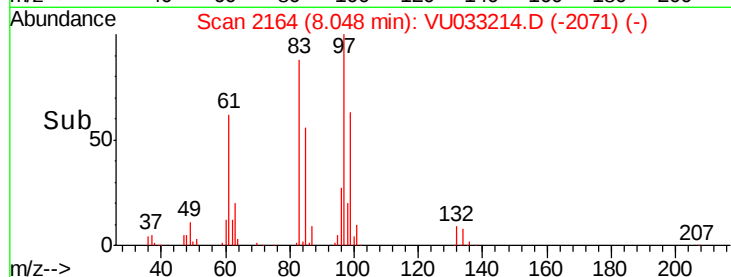
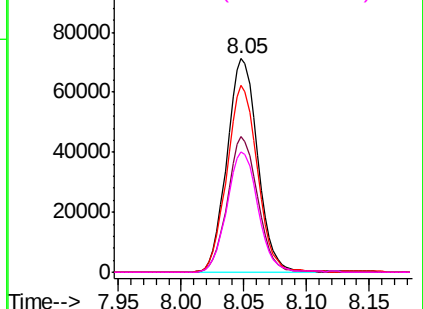
#45
 1,1,2-Trichloroethane
 Concen: 49.561 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Tgt Ion:	97	Resp:	121505
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	79.8
83	87.5	61.5	114.3
85	56.3	38.8	72.0

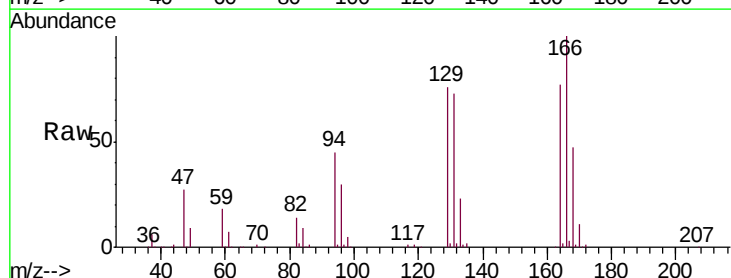


Abundance Ion 97.00 (96.70 to 97.70): VU033214.D (-2151) (-)

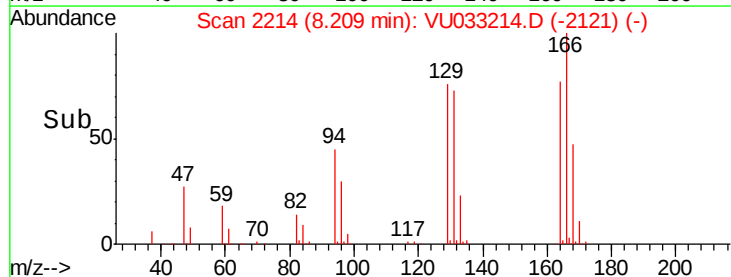
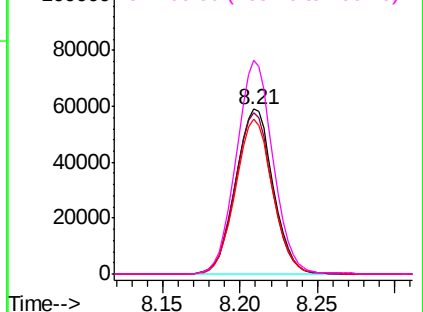


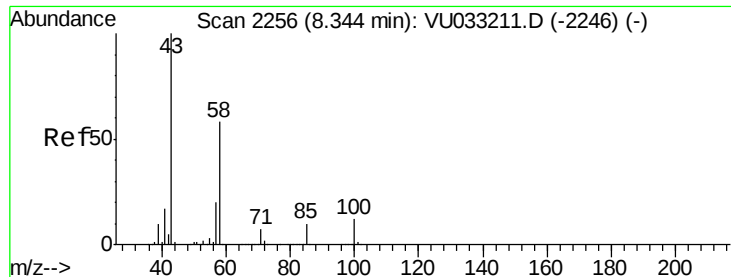
#46
 Tetrachloroethene
 Concen: 51.354 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Tgt Ion:	164	Resp:	99379
Ion	Ratio	Lower	Upper
164	100		
129	98.3	69.6	129.2
131	94.4	65.7	122.1
166	129.8	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VU033214.D (-2211) (-)

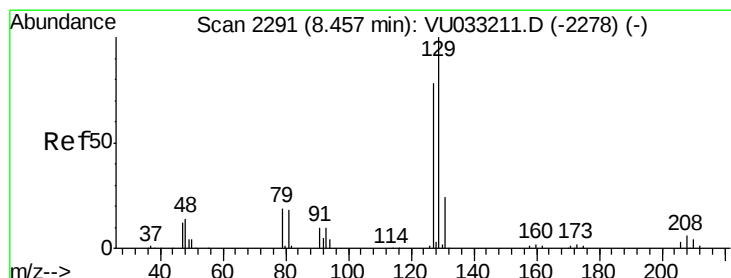
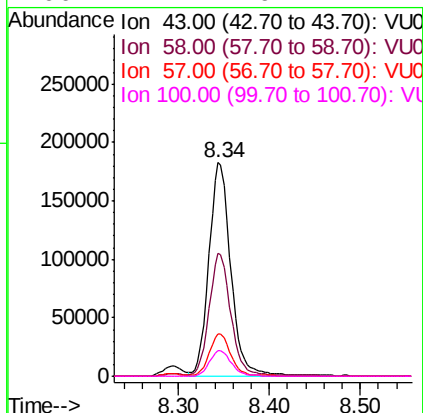
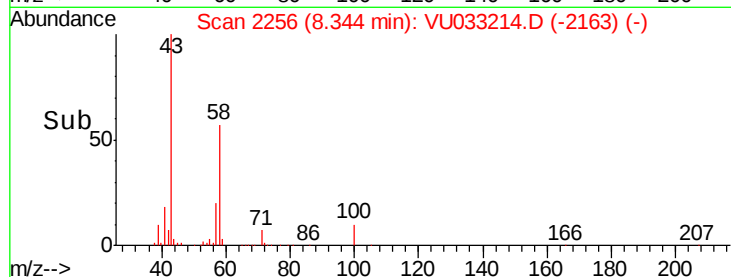
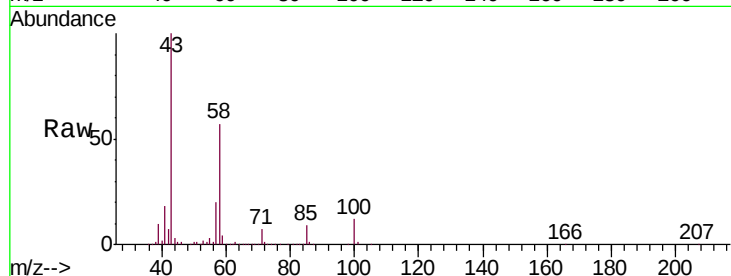




#48
2-Hexanone
Concen: 108.115 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

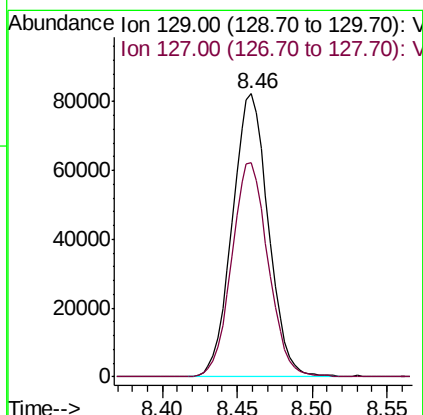
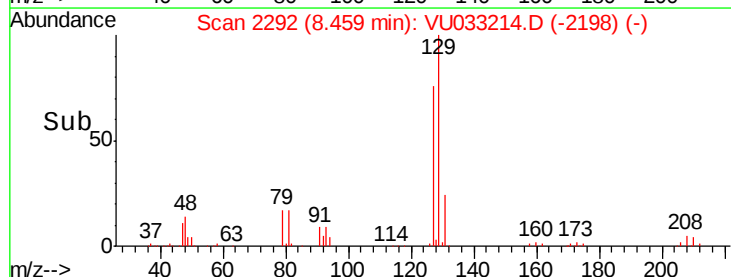
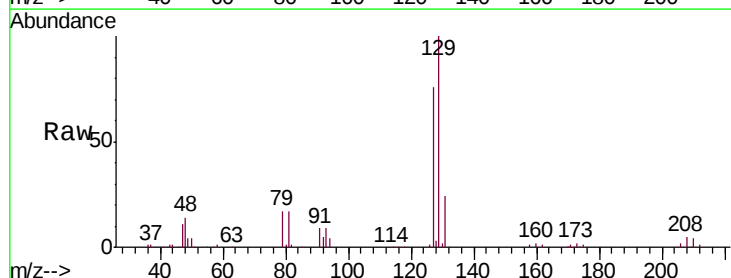
Instrument :
MSVOA_U
ClientSampled :
VICV31

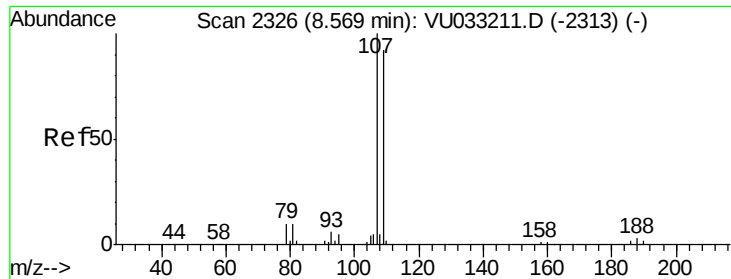
Tgt Ion: 43 Resp: 306292
Ion Ratio Lower Upper
43 100
58 55.7 46.1 69.1
57 18.8 15.8 23.8
100 12.1 9.4 14.2



#49
Dibromochloromethane
Concen: 50.580 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion: 129 Resp: 138328
Ion Ratio Lower Upper
129 100
127 75.5 54.3 100.9

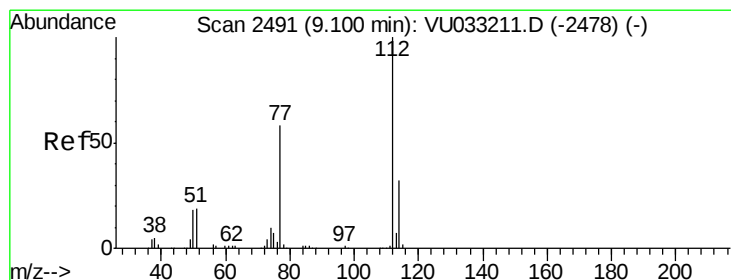
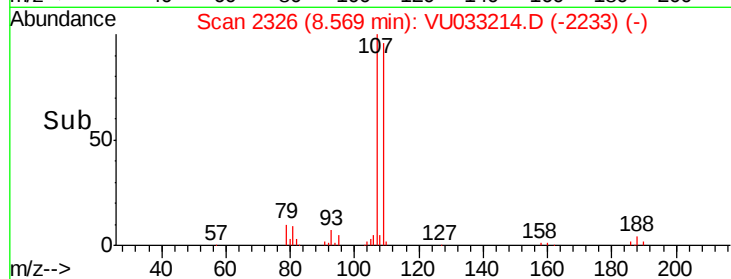
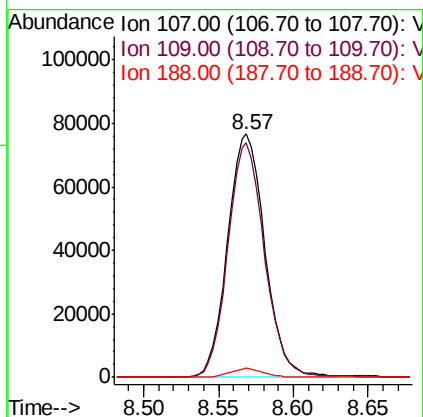
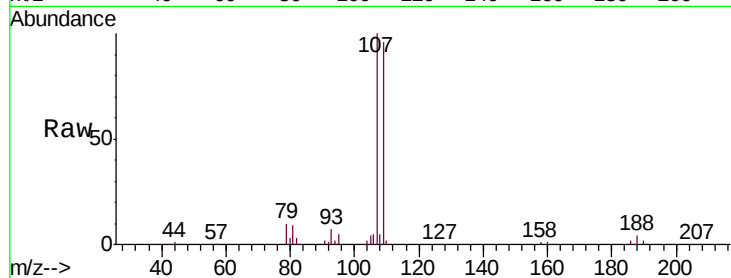




#50
1,2-Dibromoethane
Concen: 49.818 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

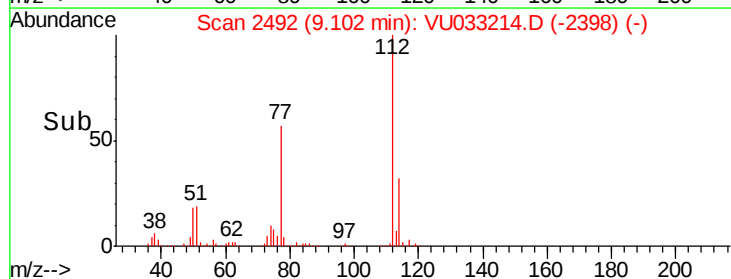
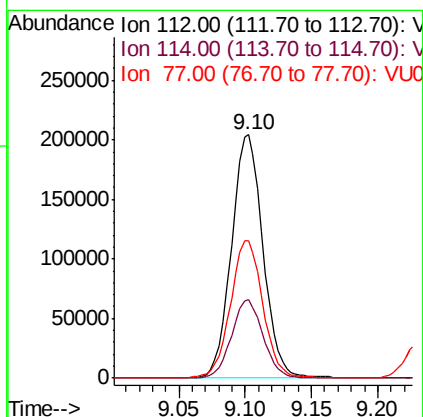
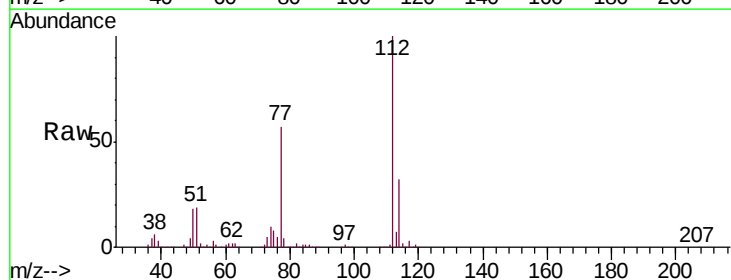
Instrument :
MSVOA_U
ClientSampleId :
VICV31

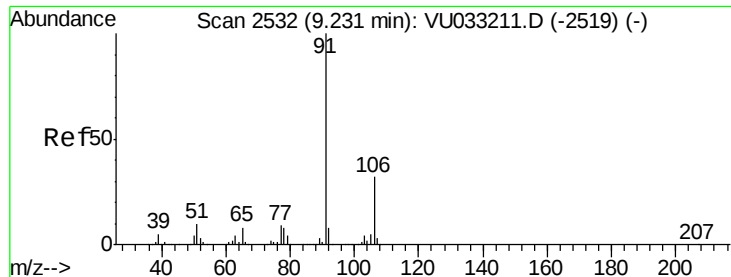
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	64.2	119.2
188	3.7	2.6	4.0



#51
Chlorobenzene
Concen: 50.100 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033214.D
Acq: 12 Jul 2019 11:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	56.5	47.2	70.8





#52

Ethylbenzene

Concen: 51.853 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

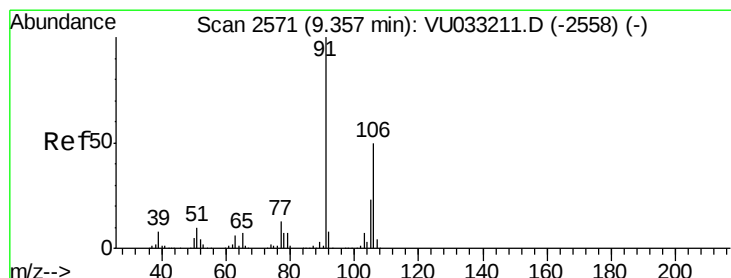
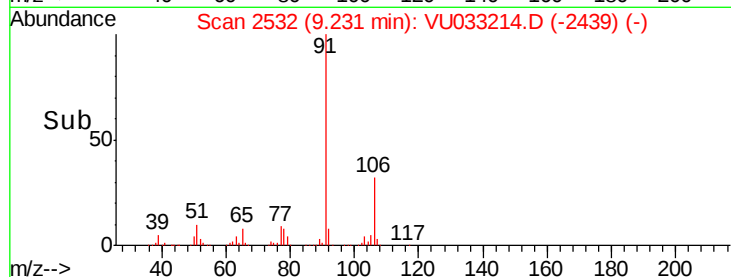
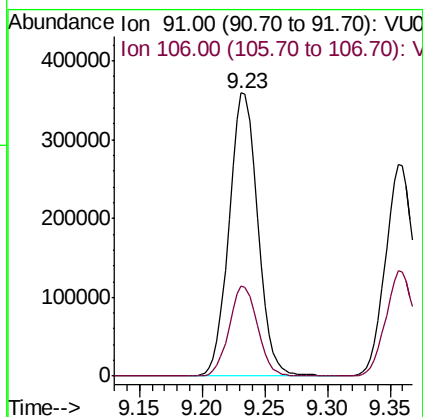
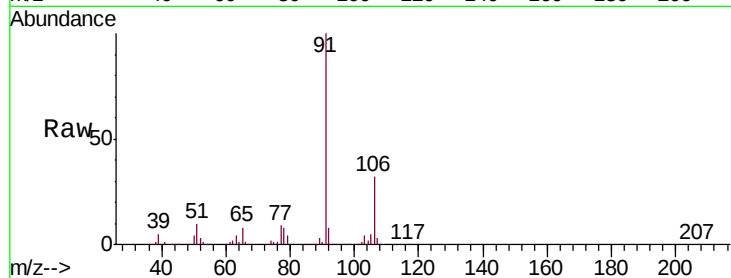
VICV31

Tgt Ion: 91 Resp: 571789

Ion Ratio Lower Upper

91 100

106 31.6 22.2 41.2



#53

m,p-Xylene

Concen: 52.347 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033214.D

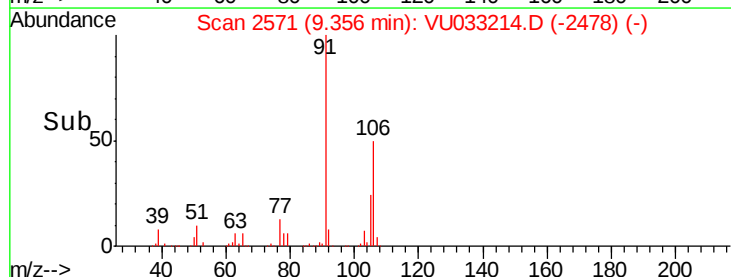
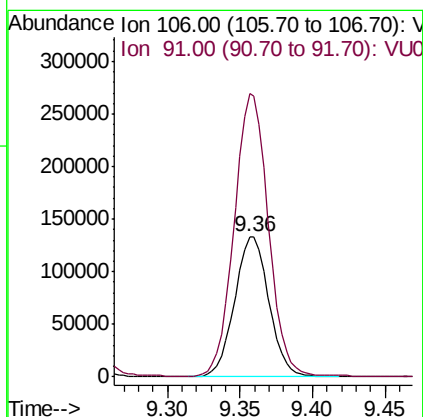
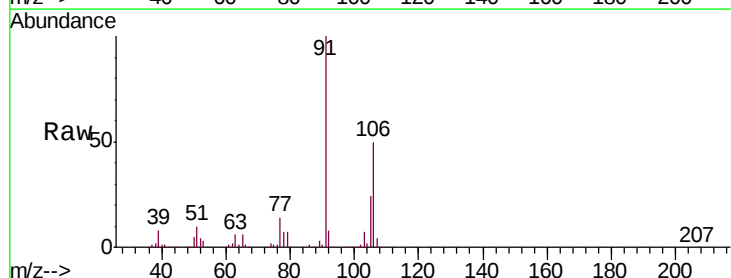
Acq: 12 Jul 2019 11:13

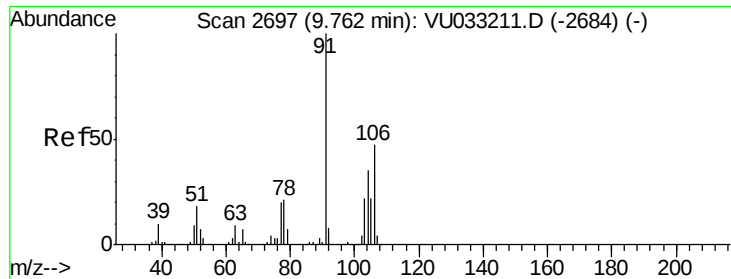
Tgt Ion: 106 Resp: 218642

Ion Ratio Lower Upper

106 100

91 201.9 141.3 262.3





#54

o-xylene

Concen: 52.319 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

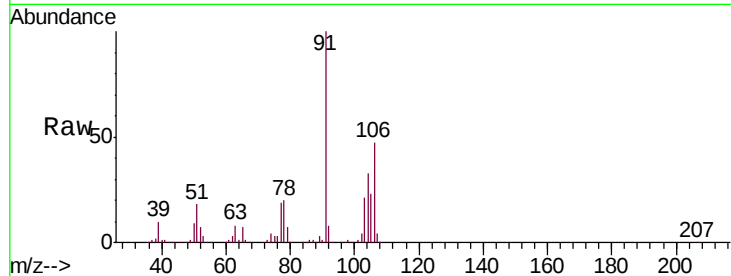
VICV31

Tgt Ion:106 Resp: 216985

Ion Ratio Lower Upper

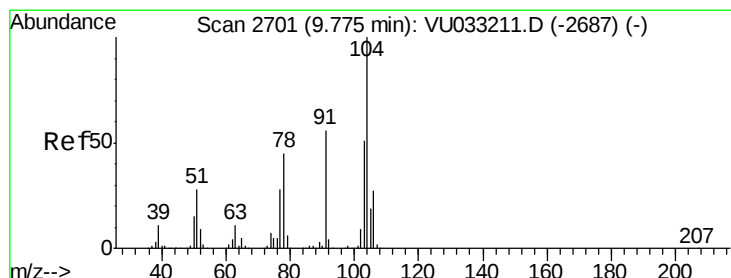
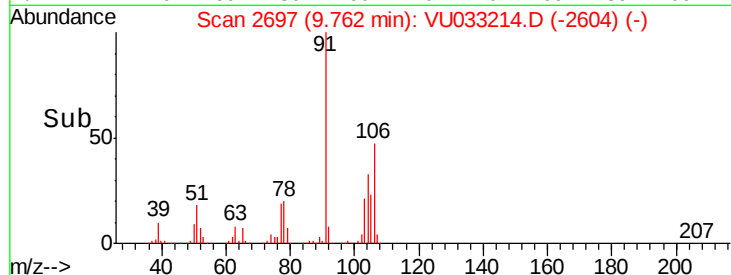
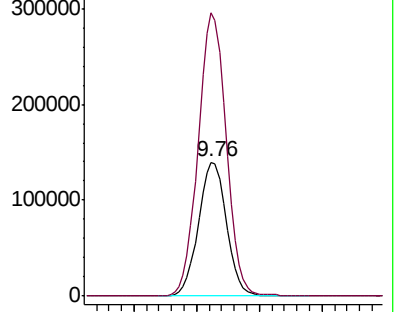
106 100

91 210.9 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.380 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033214.D

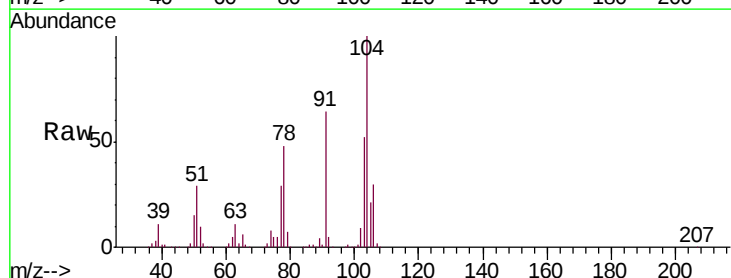
Acq: 12 Jul 2019 11:13

Tgt Ion:104 Resp: 368300

Ion Ratio Lower Upper

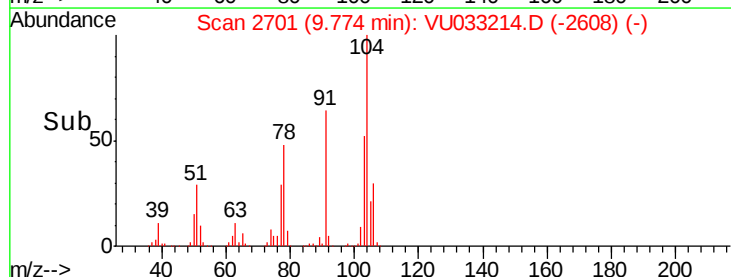
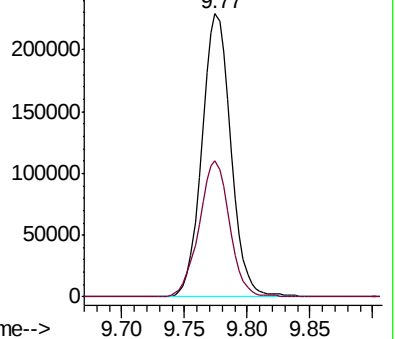
104 100

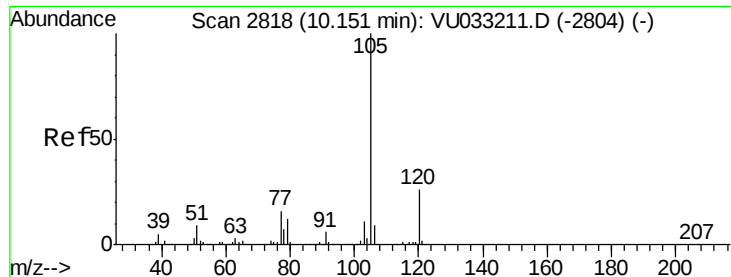
78 47.9 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.974 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

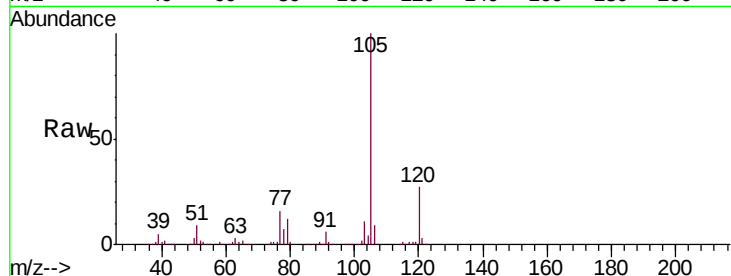
Tgt Ion: 105 Resp: 554676

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

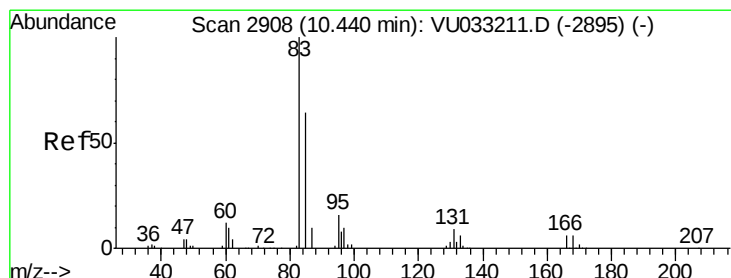
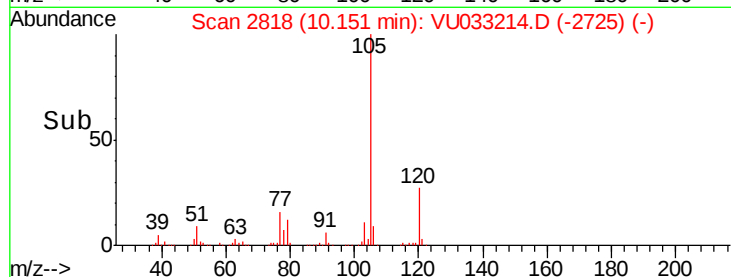
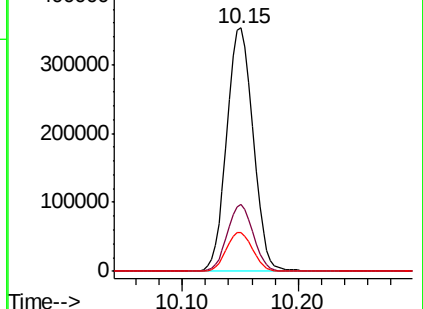
77 16.0 12.9 19.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.957 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

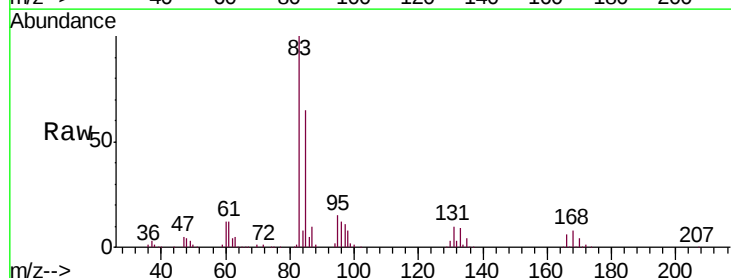
Tgt Ion: 83 Resp: 215136

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

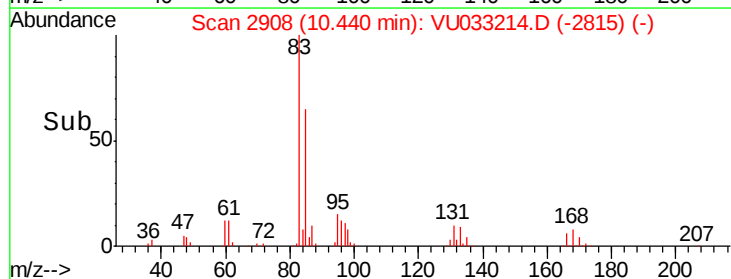
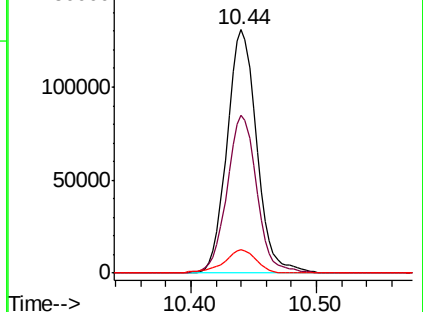
131 9.8 7.6 11.4

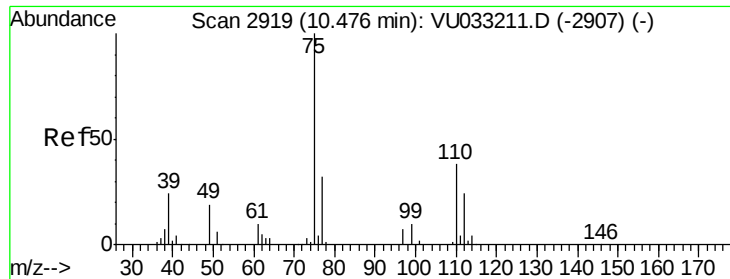


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.586 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

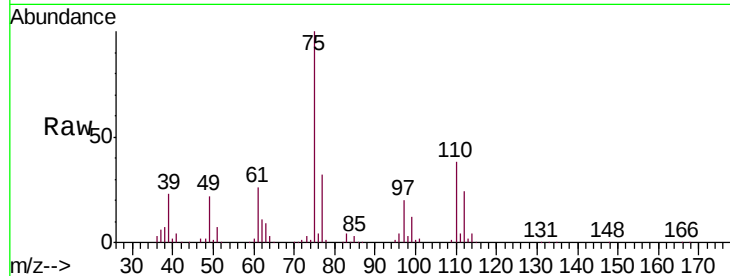
VICV31

Tgt Ion: 75 Resp: 167335

Ion Ratio Lower Upper

75 100

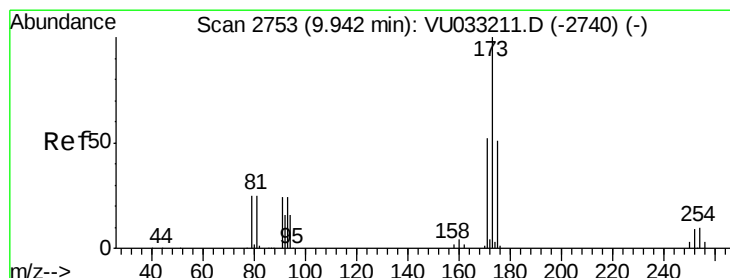
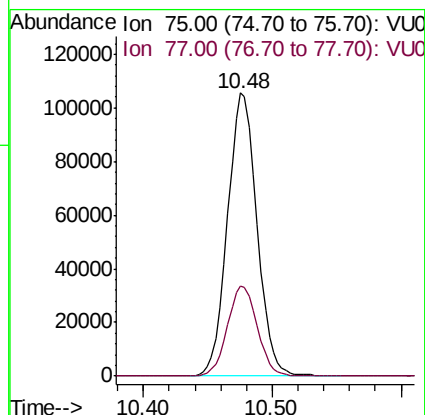
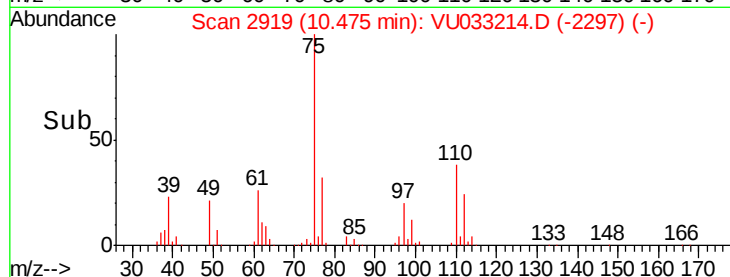
77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU033211.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033211.D (-2907) (-)

10.48



#61

Bromoform

Concen: 50.650 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

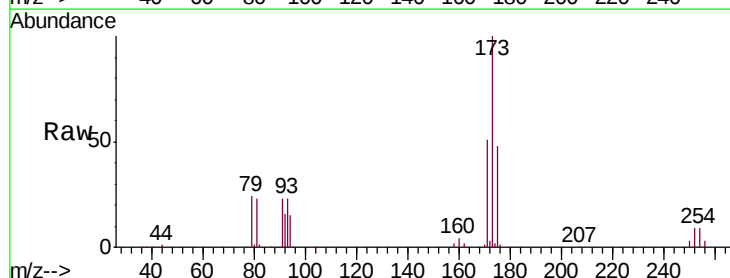
Tgt Ion: 173 Resp: 101560

Ion Ratio Lower Upper

173 100

175 48.1 40.0 60.0

254 8.7 7.3 10.9

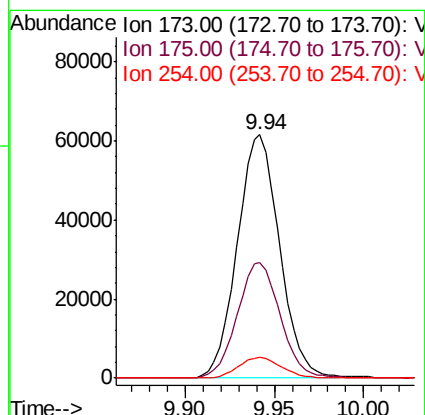
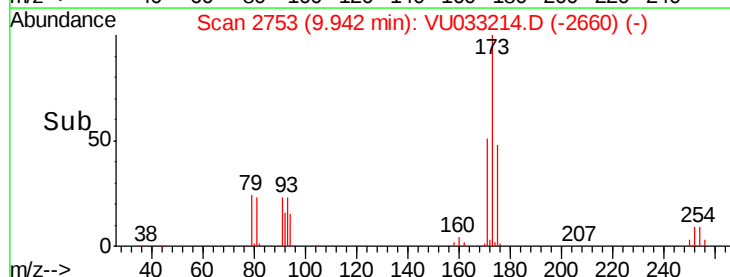


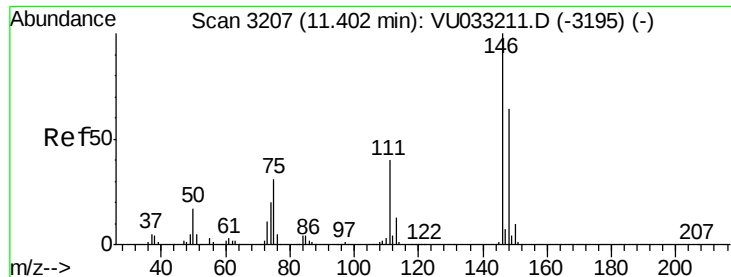
Abundance Ion 173.00 (172.70 to 173.70): VU033211.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033211.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033211.D (-2740) (-)

9.94





#62

1,3-Dichlorobenzene

Concen: 51.896 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

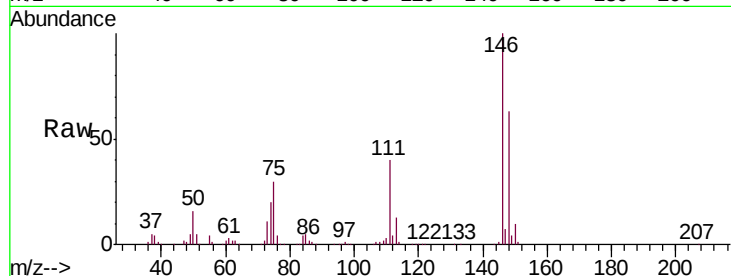
Tgt Ion:146 Resp: 262276

Ion Ratio Lower Upper

146 100

111 40.0 28.0 52.0

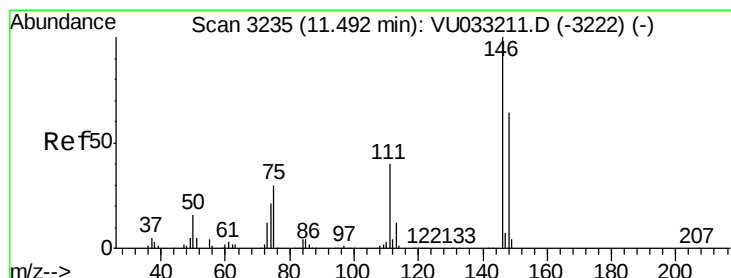
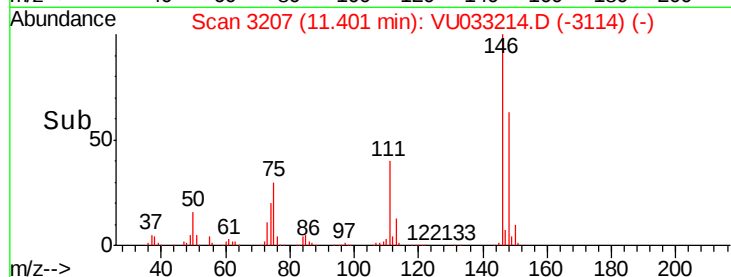
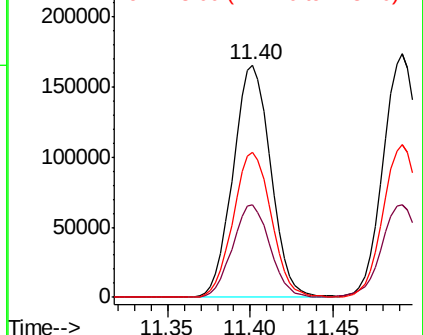
148 62.6 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.323 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

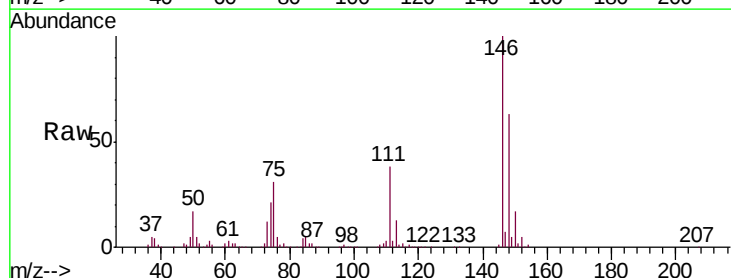
Tgt Ion:146 Resp: 271202

Ion Ratio Lower Upper

146 100

111 38.2 27.8 51.6

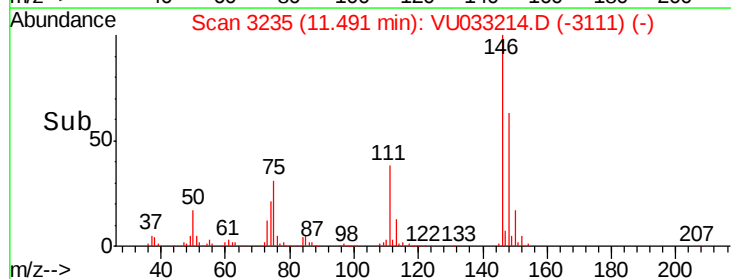
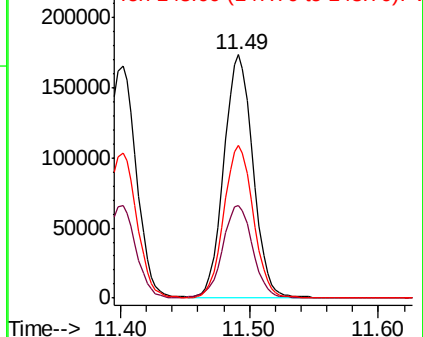
148 62.8 44.6 82.8

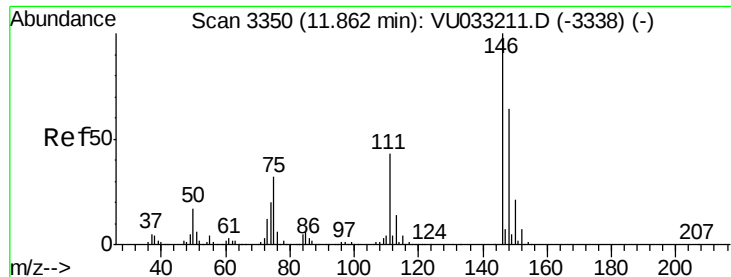


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

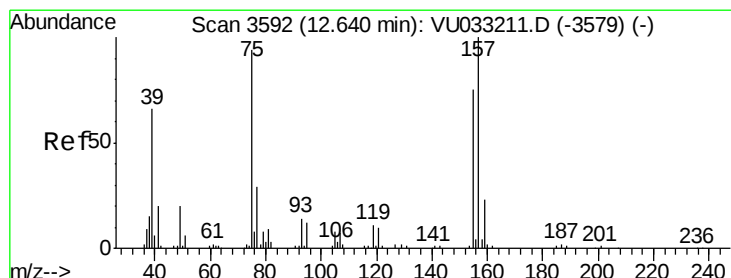
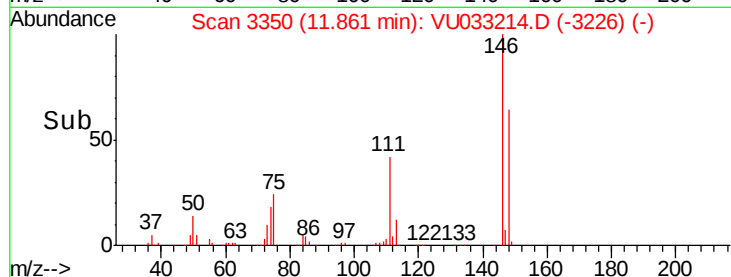
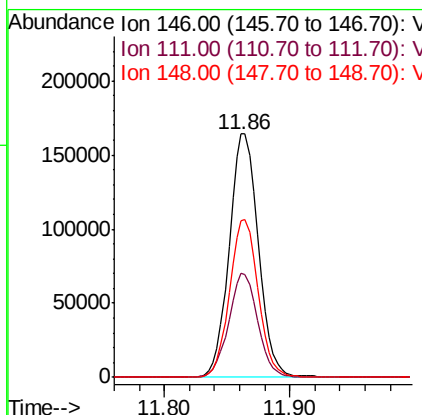
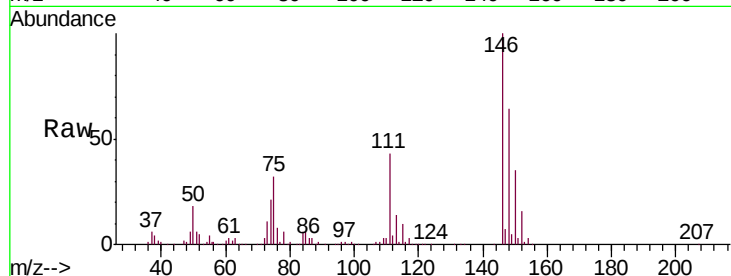




#65
 1,2-Dichlorobenzene
 Concen: 51.073 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

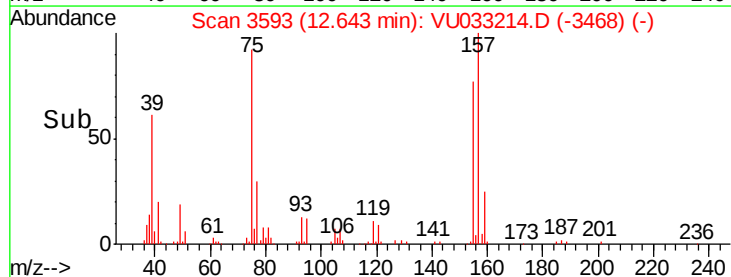
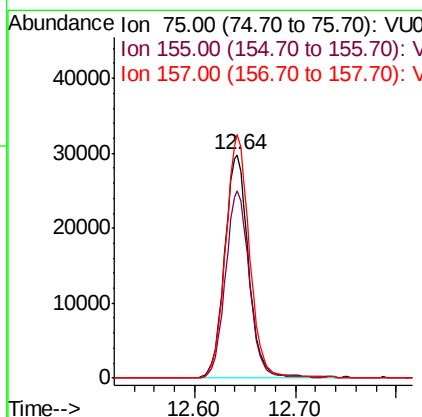
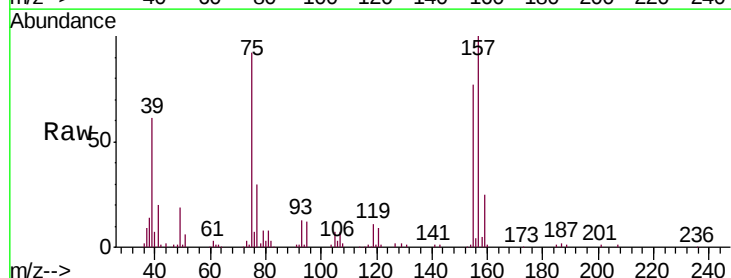
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

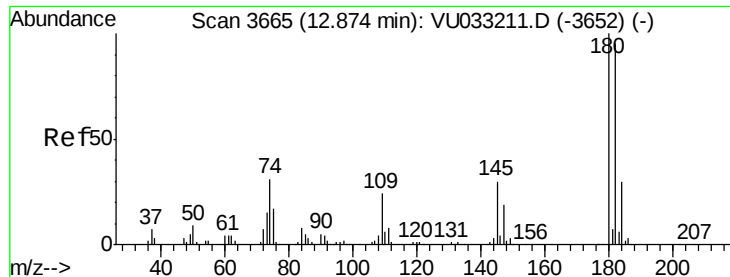
Tgt Ion: 146 Resp: 264716
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.3 51.5
 148 64.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.338 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Tgt Ion: 75 Resp: 49797
 Ion Ratio Lower Upper
 75 100
 155 84.0 63.5 95.3
 157 109.1 84.6 127.0

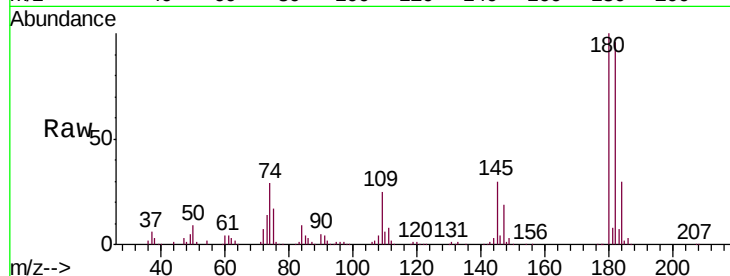




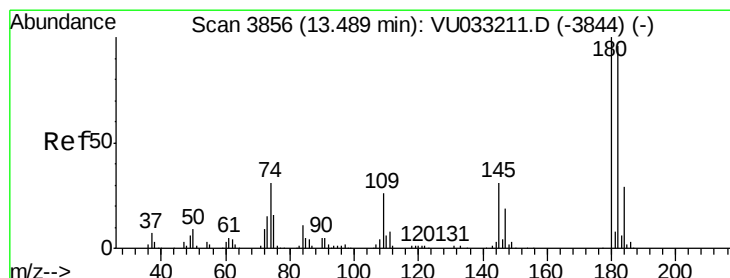
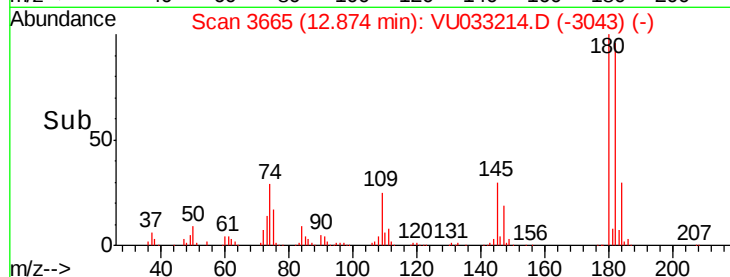
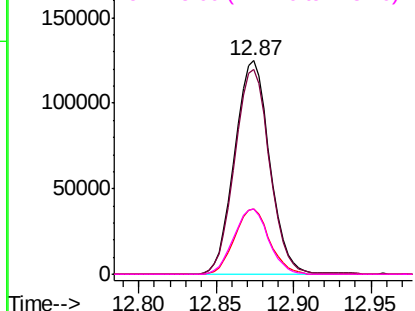
#67
 1,3,5-Trichlorobenzene
 Concen: 53.921 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Tgt Ion:	180	Resp:	196940
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.5	113.3
184	30.2	24.2	36.2
145	30.4	24.1	36.1

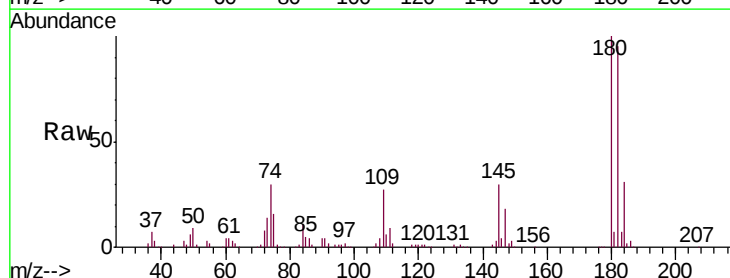


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

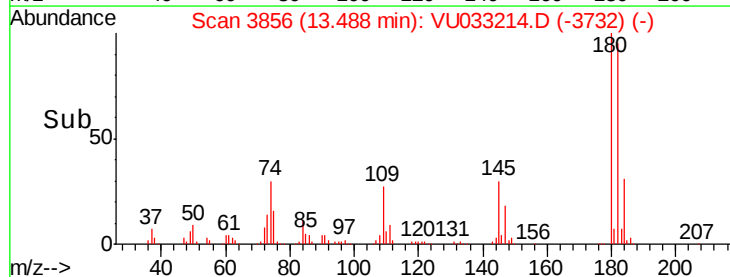
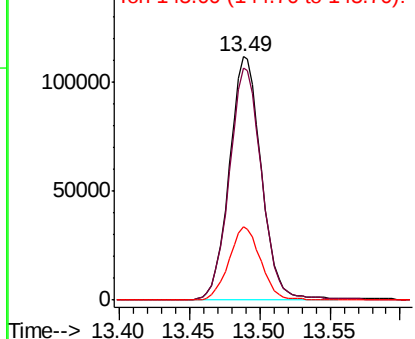


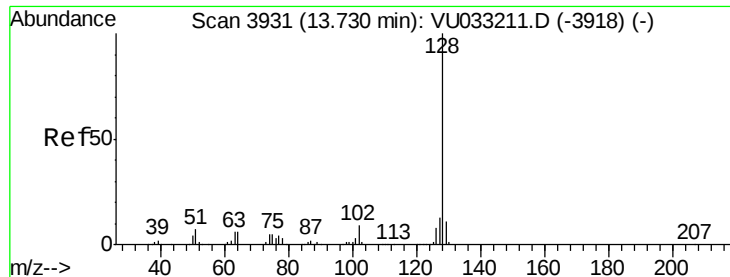
#68
 1,2,4-trichlorobenzene
 Concen: 55.698 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033214.D
 Acq: 12 Jul 2019 11:13

Tgt Ion:	180	Resp:	177693
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.5	114.7
145	29.8	24.6	36.8



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: 59.294 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV31

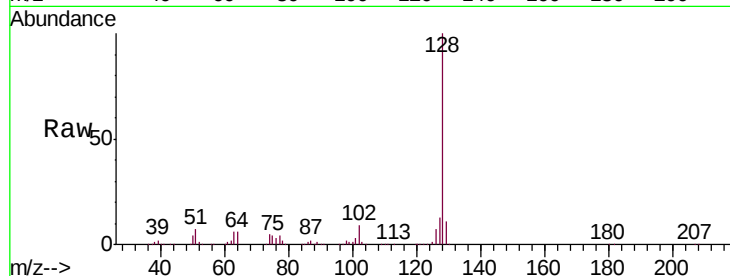
Tgt Ion:128 Resp: 606522

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

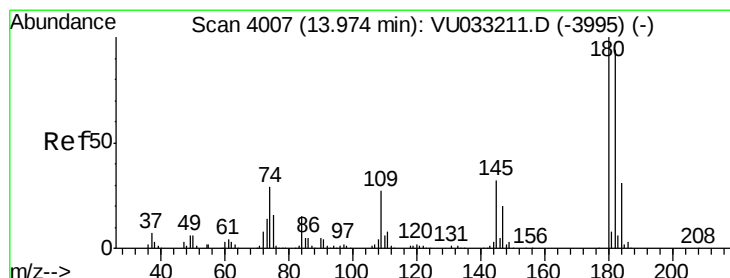
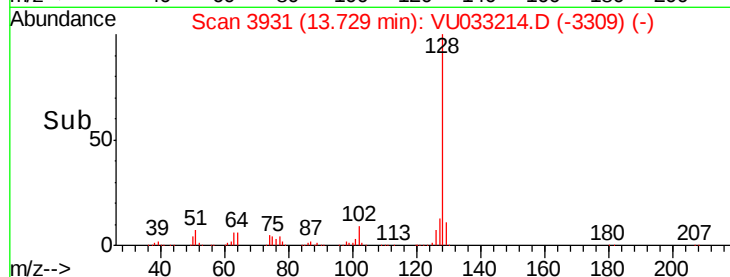
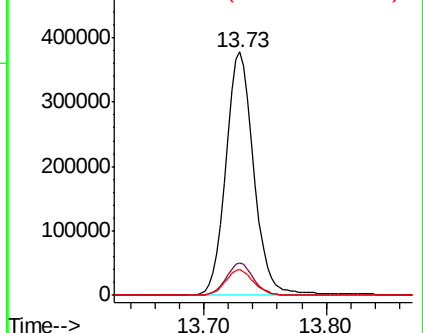
129 10.6 8.7 13.1



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: 54.732 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033214.D

Acq: 12 Jul 2019 11:13

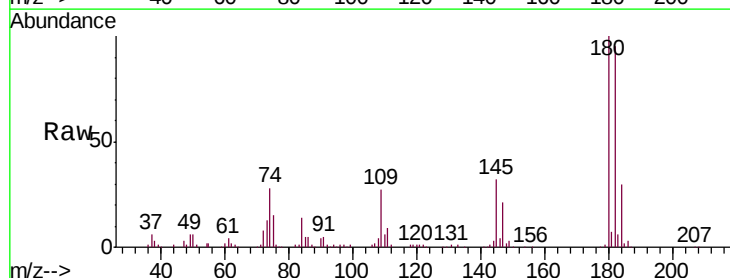
Tgt Ion:180 Resp: 189567

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 31.8 26.2 39.2



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

