

Data File : VU033814.D
Acq On : 15 Aug 2019 16:36
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV33

Quant Time: Aug 16 02:30:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 02:25:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	431729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	419357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	223097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	191352	49.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.54%
7) Chloroethane-d5	1.67	69	157655	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.26	63	320235	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.66%
21) 2-Butanone-d5	4.15	46	214207	105.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.16%
24) Chloroform-d	4.62	84	308106	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.29	65	190841	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
32) Benzene-d6	5.32	84	610988	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.31	67	192234	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.96%
41) Toluene-d8	7.55	98	577333	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%
43) trans-1,3-Dichloropropene-	7.83	79	96891	54.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.12%
47) 2-Hexanone-d5	8.29	63	159583	113.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.77%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268161	50.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.88%
64) 1,2-Dichlorobenzene-d4	11.84	152	229551	51.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	205637	48.581	ug/L 100
3) Chloromethane	1.32	50	211753	48.641	ug/L 100
5) Vinyl chloride	1.39	62	236173	48.704	ug/L 99
6) Bromomethane	1.62	94	184913	50.437	ug/L 100
8) Chloroethane	1.69	64	142447	42.405	ug/L 96
9) Trichlorofluoromethane	1.87	101	299053	46.504	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	149410	48.534	ug/L 99
12) 1,1-Dichloroethene	2.27	96	145384	48.725	ug/L 98
13) Acetone	2.31	43	181766	90.793	ug/L 96
14) Carbon disulfide	2.46	76	465688	49.494	ug/L 99
15) Methyl Acetate	2.60	43	163115	49.406	ug/L 100
16) Methylene chloride	2.68	84	166562	48.173	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	157662	50.688	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	469846	51.761	ug/L 99
19) 1,1-Dichloroethane	3.42	63	290341	48.508	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	175209	52.072	ug/L 100
22) 2-Butanone	4.23	43	235046	102.019	ug/L 98

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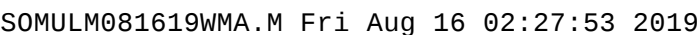
Instrument :
MSVOA_U
ClientSampleId :
VICV33

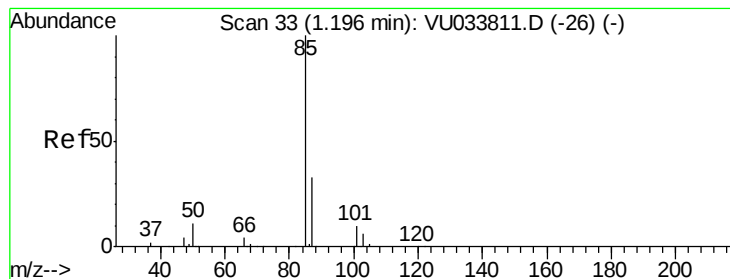
Quant Time: Aug 16 02:30:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 02:25:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	89325	48.691	ug/L	99
25) Chloroform	4.65	83	298792	48.035	ug/L	99
27) 1,2-Dichloroethane	5.38	62	236787	50.210	ug/L	100
29) Cyclohexane	4.97	56	247193	55.017	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	252342	49.983	ug/L	99
31) Carbon tetrachloride	5.11	117	227202	49.455	ug/L	99
33) Benzene	5.37	78	655538	51.749	ug/L	100
34) Trichloroethene	6.16	95	171707	50.788	ug/L	98
35) Methylcyclohexane	6.40	83	263990	53.323	ug/L	98
37) 1,2-Dichloropropane	6.41	63	174237	50.228	ug/L	100
38) Bromodichloromethane	6.74	83	224064	49.889	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	275056	54.405	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	434288	106.649	ug/L	100
42) Toluene	7.62	91	705141	52.655	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	247207	53.205	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	166067	51.005	ug/L	98
46) Tetrachloroethene	8.21	164	139195	51.355	ug/L	98
48) 2-Hexanone	8.34	43	343178	107.477	ug/L	99
49) Dibromochloromethane	8.46	129	189216	51.467	ug/L	97
50) 1,2-Dibromoethane	8.57	107	177538	51.212	ug/L	98
51) Chlorobenzene	9.10	112	452279	51.133	ug/L	99
52) Ethylbenzene	9.23	91	754904	53.205	ug/L	99
53) m,p-Xylene	9.36	106	290384	54.675	ug/L	99
54) o-xylene	9.76	106	286657	55.702	ug/L	99
55) Styrene	9.77	104	495198	56.159	ug/L	100
56) Isopropylbenzene	10.15	105	740627	55.042	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	266765	50.621	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	212304	50.528	ug/L	99
61) Bromoform	9.94	173	141418	50.897	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	365609	52.224	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	370532	51.125	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	365208	52.040	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	59274	50.798	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	289977	53.698	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	258788	58.525	ug/L	100
69) Naphthalene	13.73	128	783858	64.227	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	270873	59.022	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 48.581 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

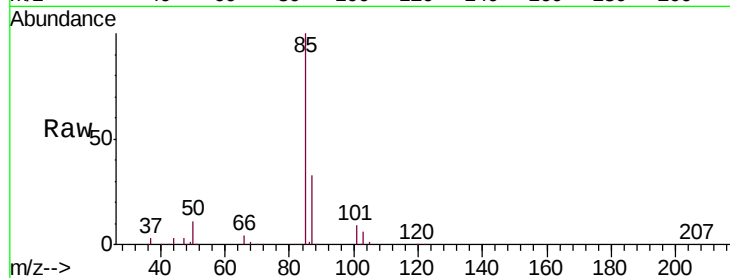
VICV33

Tgt Ion: 85 Resp: 205637

Ion Ratio Lower Upper

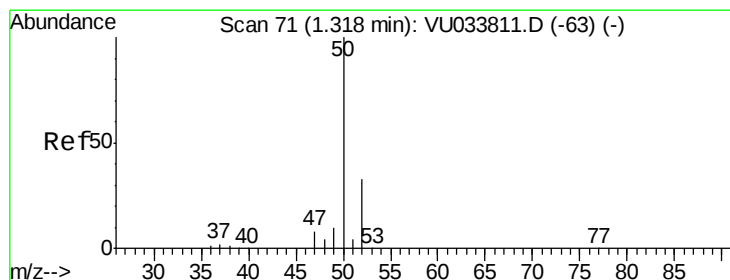
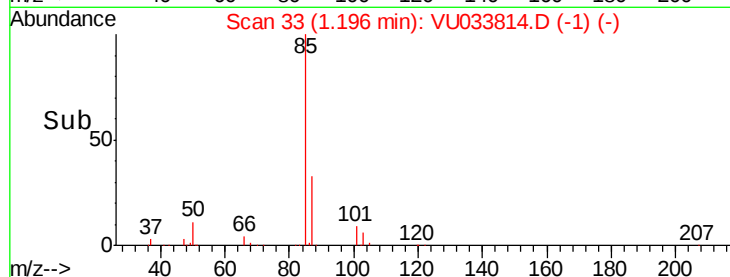
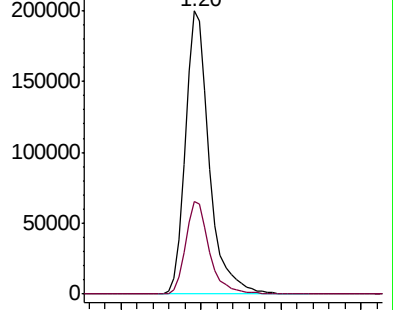
85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU033814.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033814.D (-26) (-)



#3

Chloromethane

Concen: 48.641 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033814.D

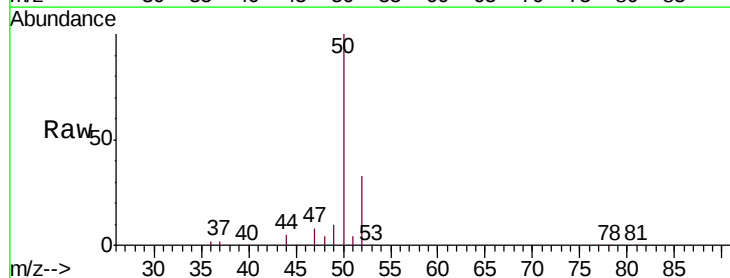
Acq: 15 Aug 2019 16:36

Tgt Ion: 50 Resp: 211753

Ion Ratio Lower Upper

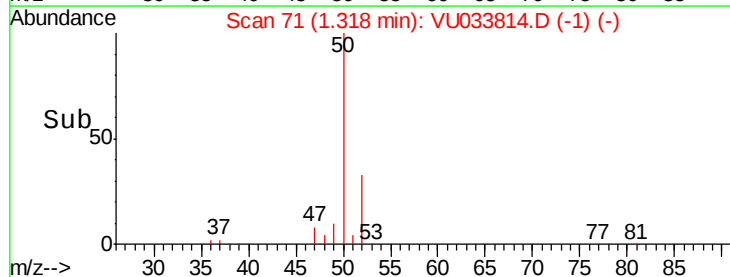
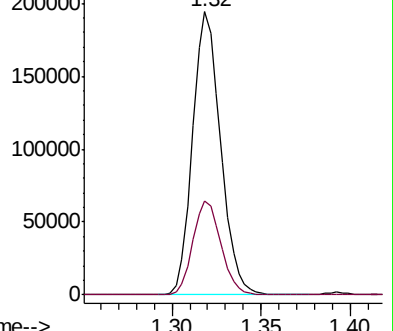
50 100

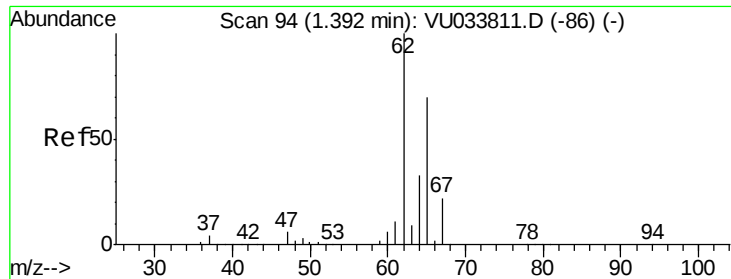
52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033814.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033814.D (-63) (-)





#5

Vinyl chloride

Concen: 48.704 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

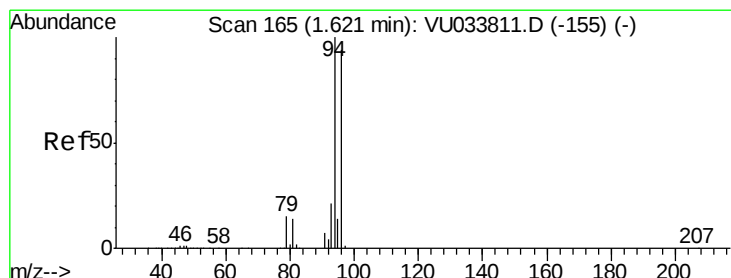
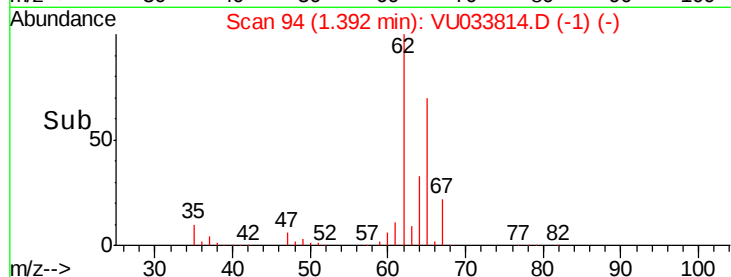
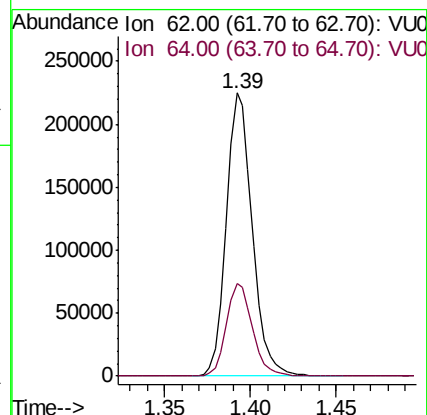
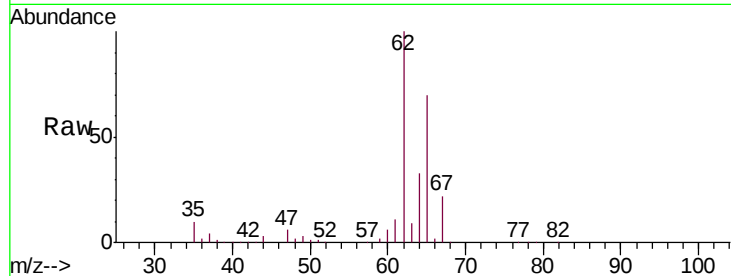
VICV33

Tgt Ion: 62 Resp: 236173

Ion Ratio Lower Upper

62 100

64 32.9 23.3 43.3



#6

Bromomethane

Concen: 50.437 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033814.D

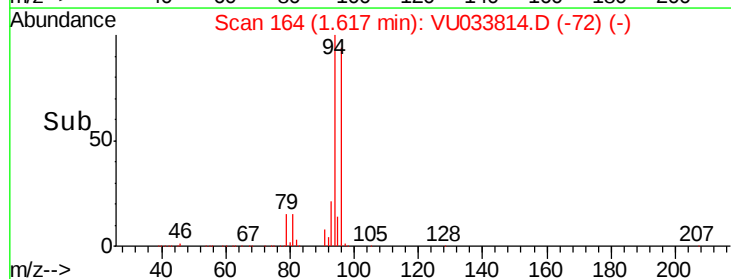
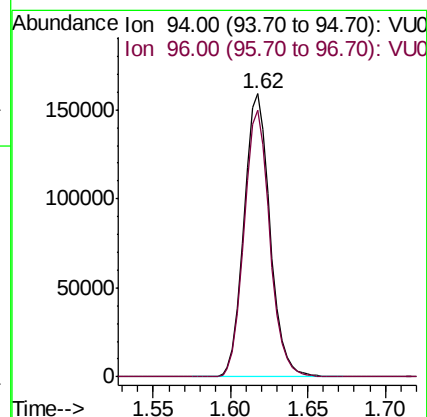
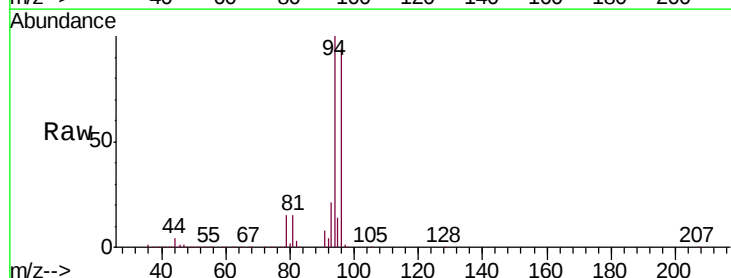
Acq: 15 Aug 2019 16:36

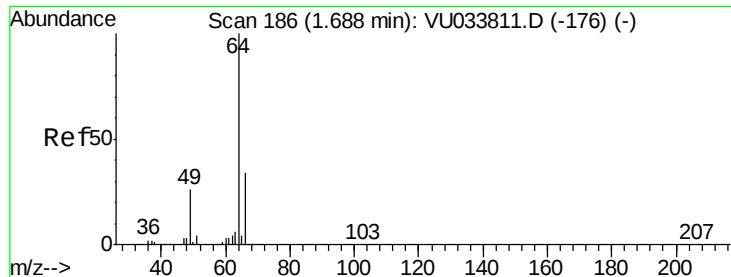
Tgt Ion: 94 Resp: 184913

Ion Ratio Lower Upper

94 100

96 94.1 65.9 122.3





#8

Chloroethane

Concen: 42.405 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

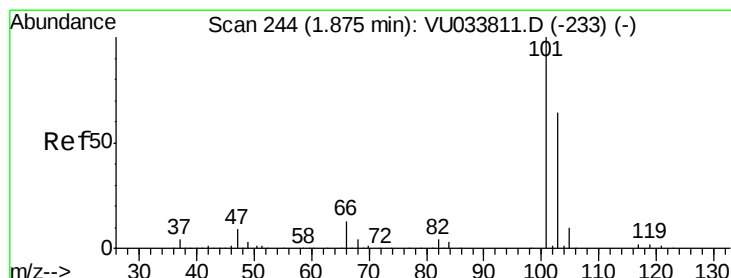
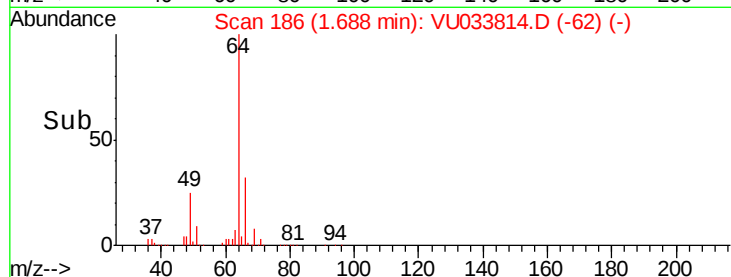
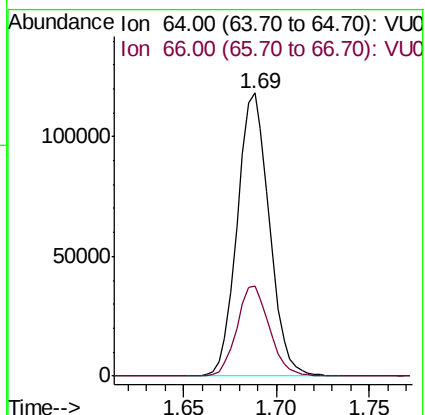
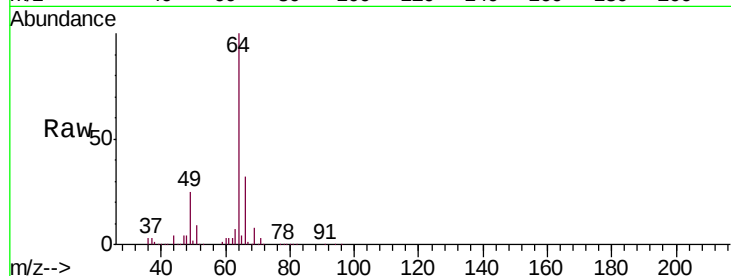
VICV33

Tgt Ion: 64 Resp: 142447

Ion Ratio Lower Upper

64 100

66 32.0 23.9 44.3



#9

Trichlorofluoromethane

Concen: 46.504 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033814.D

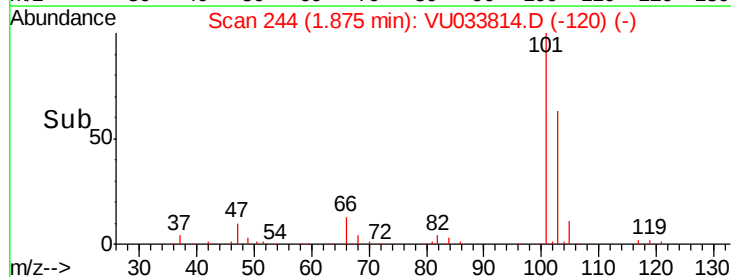
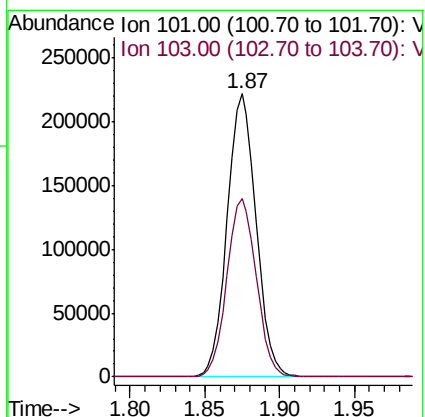
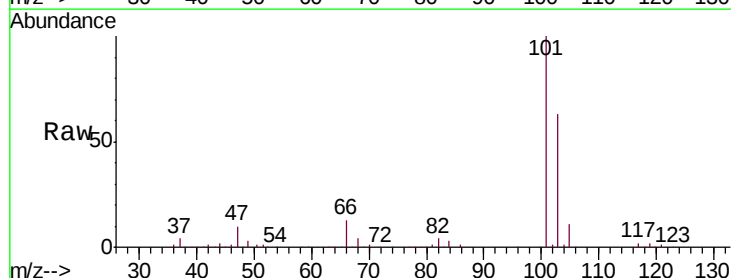
Acq: 15 Aug 2019 16:36

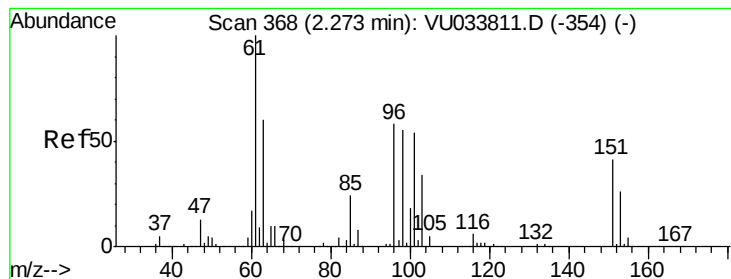
Tgt Ion: 101 Resp: 299053

Ion Ratio Lower Upper

101 100

103 64.2 51.9 77.9





#10

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

Concen: 48.534 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

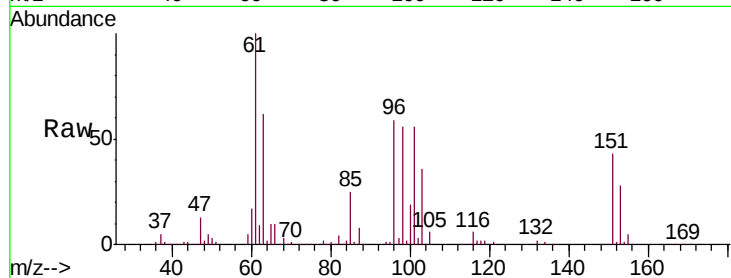
Tgt Ion: 101 Resp: 149410

Ion Ratio Lower Upper

101 100

85 45.0 35.2 52.8

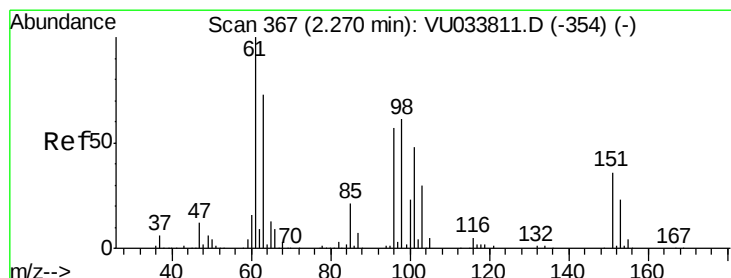
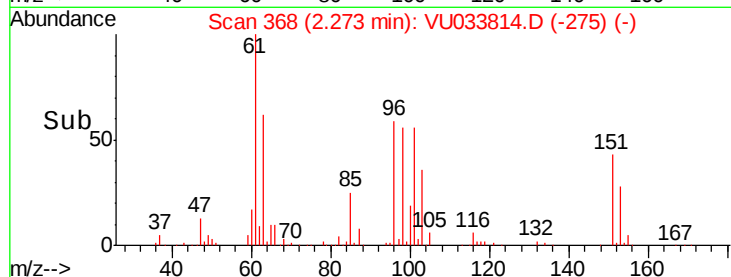
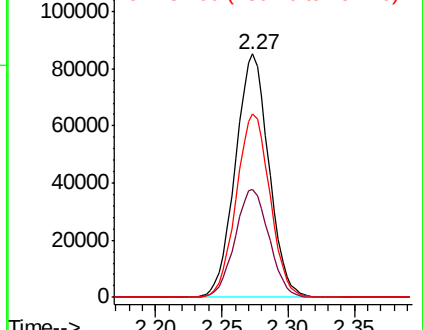
151 75.5 60.4 90.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.725 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

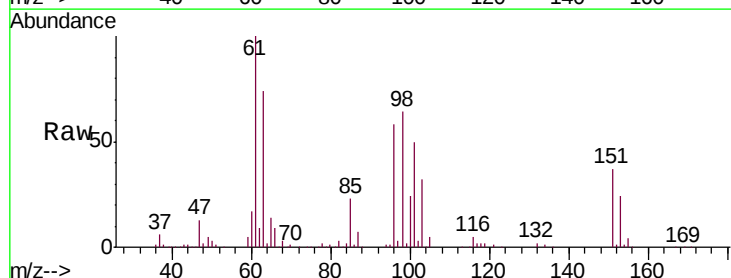
Tgt Ion: 96 Resp: 145384

Ion Ratio Lower Upper

96 100

61 172.9 123.7 229.7

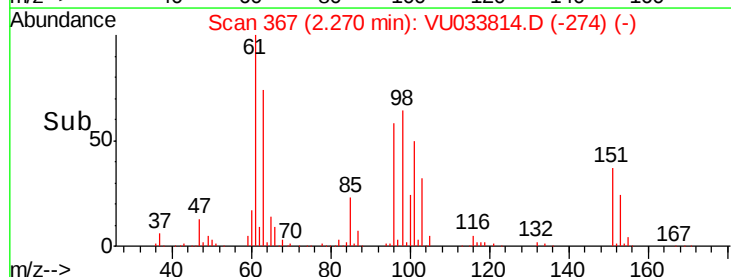
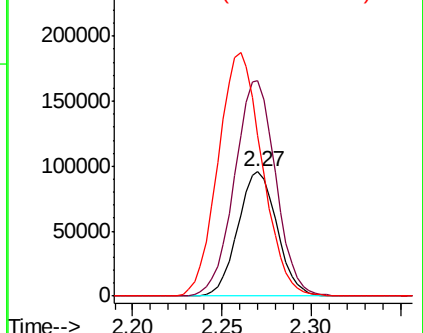
63 128.6 91.2 169.4

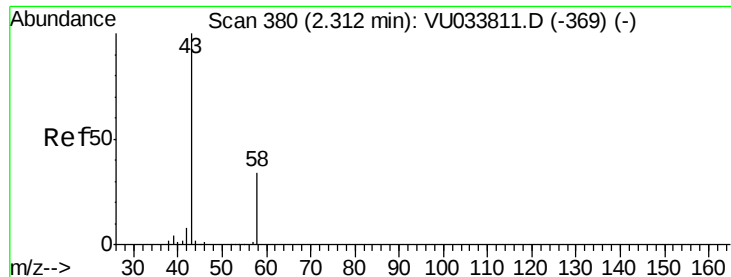


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.793 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampled :

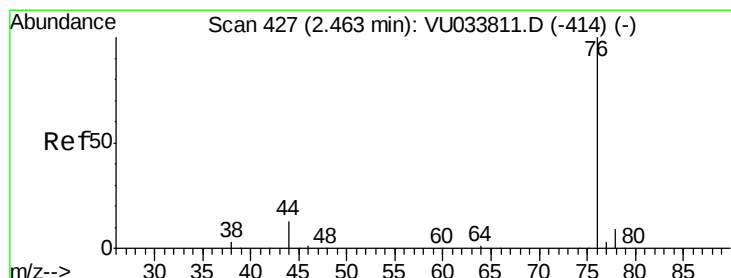
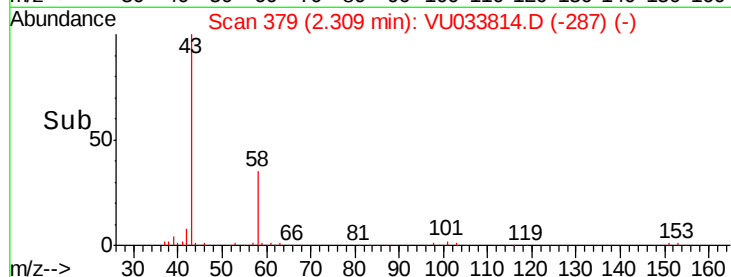
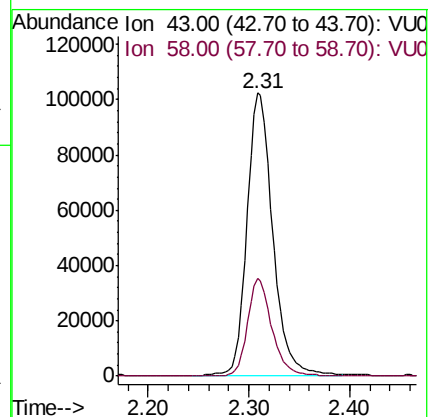
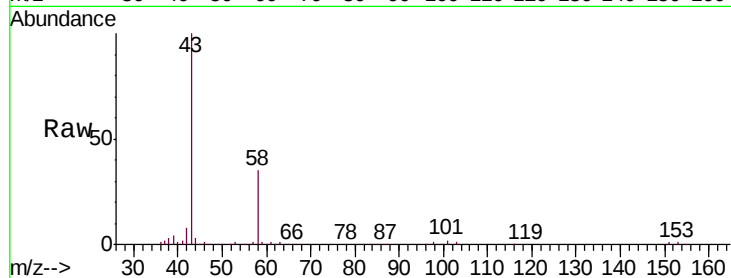
VICV33

Tgt Ion: 43 Resp: 181766

Ion Ratio Lower Upper

43 100

58 32.4 0.0 69.0



#14

Carbon disulfide

Concen: 49.494 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033814.D

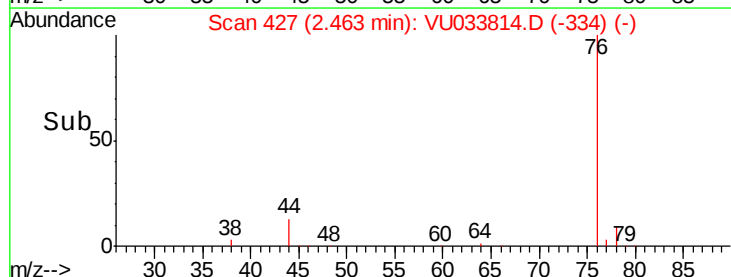
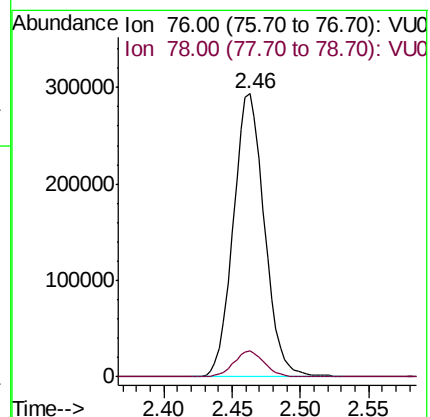
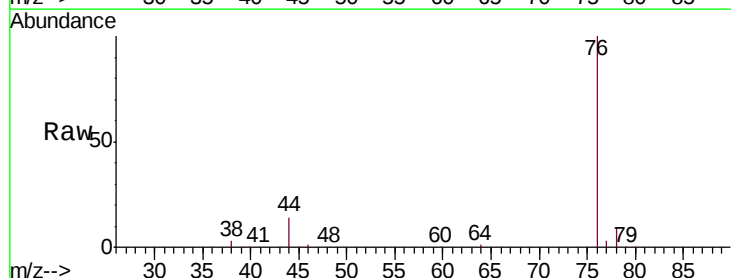
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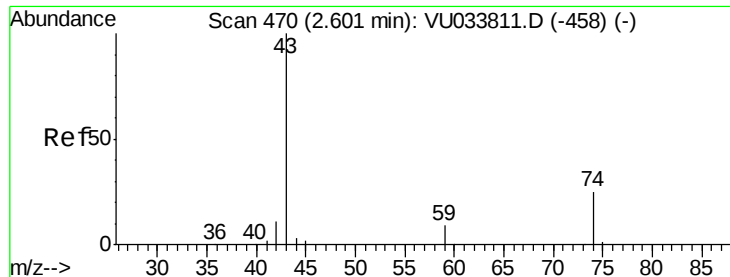
Tgt Ion: 76 Resp: 465688

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

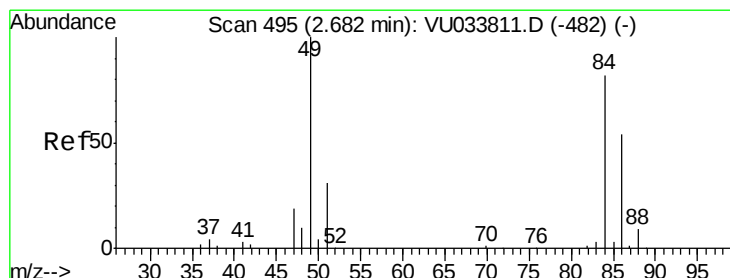
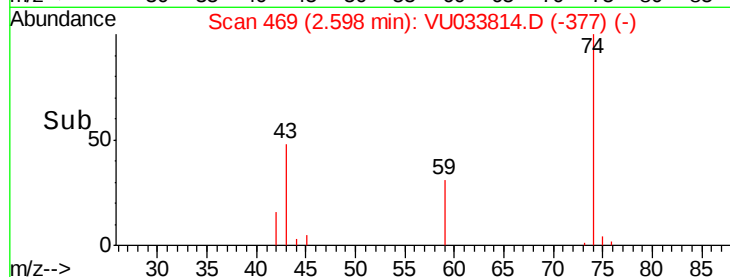
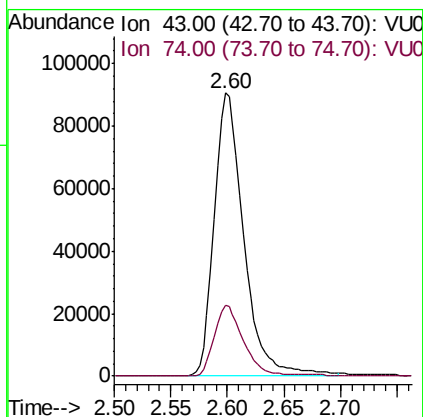
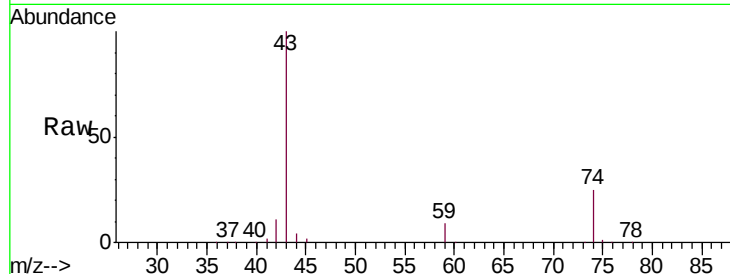




#15
Methyl Acetate
Concen: 49.406 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

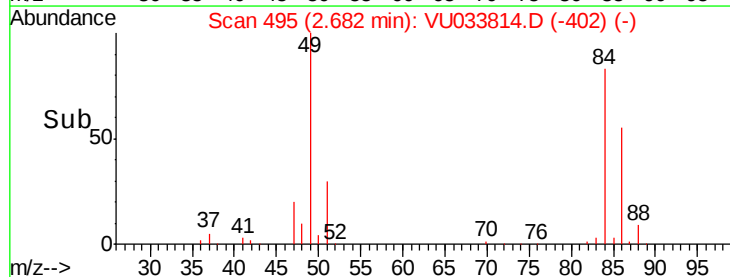
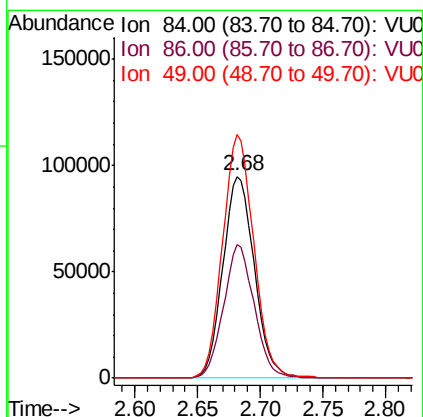
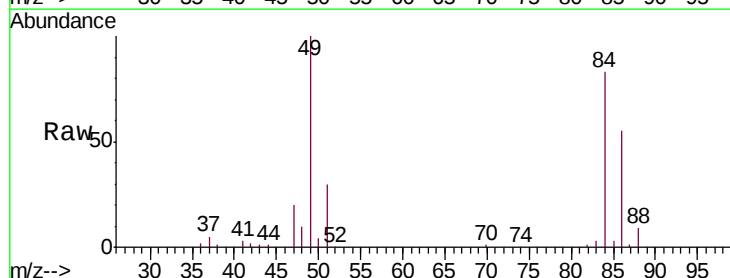
Instrument :
MSVOA_U
ClientSampleId :
VICV33

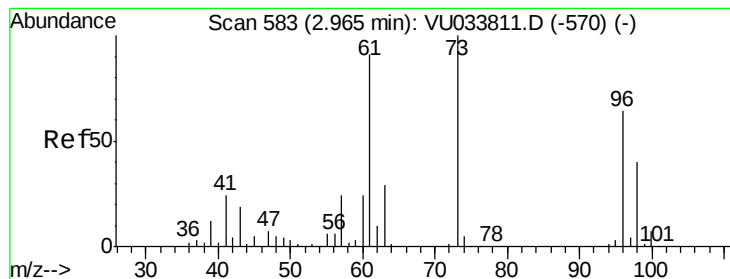
Tgt Ion: 43 Resp: 163115
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5



#16
Methylene chloride
Concen: 48.173 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Tgt Ion: 84 Resp: 166562
Ion Ratio Lower Upper
84 100
86 66.1 46.1 85.5
49 120.5 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 50.688 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

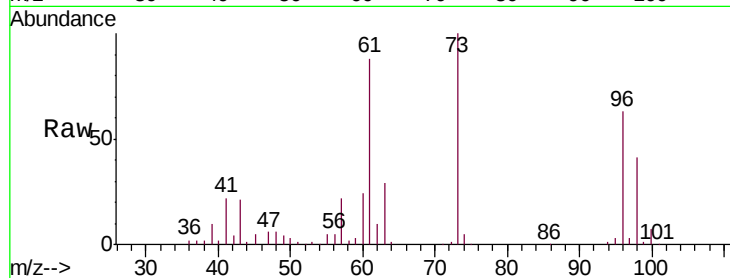
Tgt Ion: 96 Resp: 157662

Ion Ratio Lower Upper

96 100

61 139.2 98.6 183.2

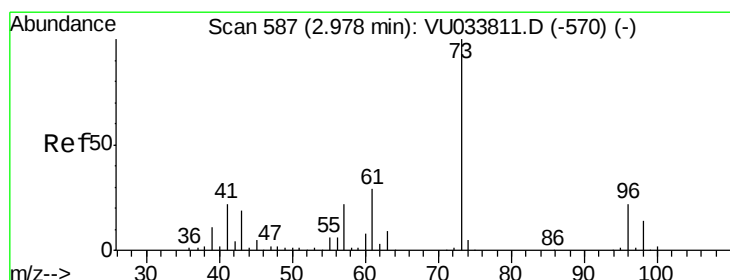
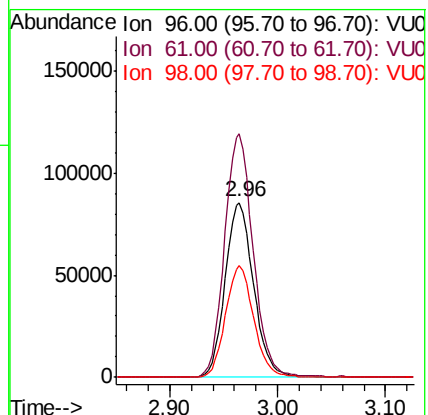
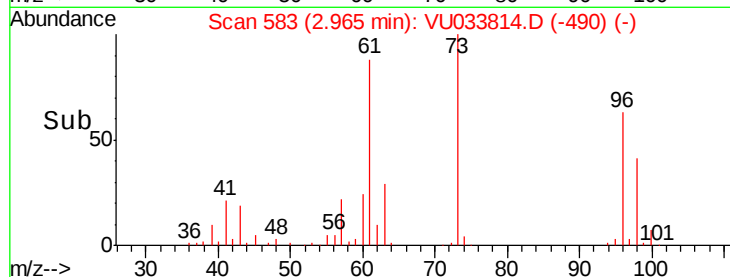
98 64.0 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033814.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033814.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033814.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 51.761 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

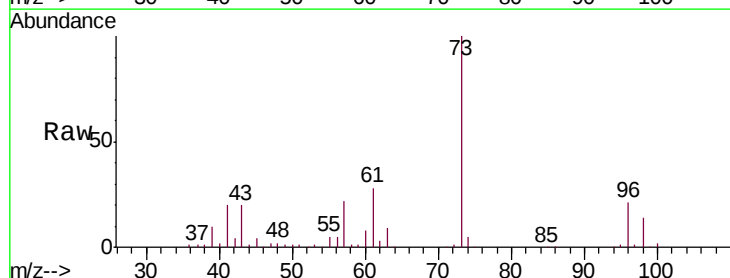
Tgt Ion: 73 Resp: 469846

Ion Ratio Lower Upper

73 100

43 19.4 15.2 22.8

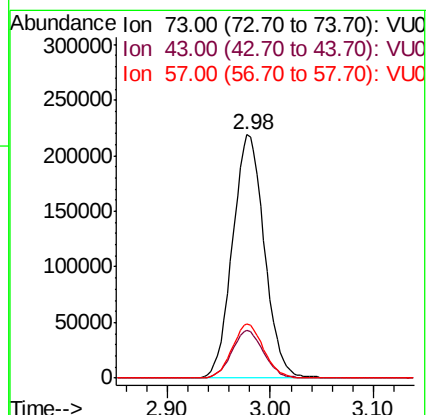
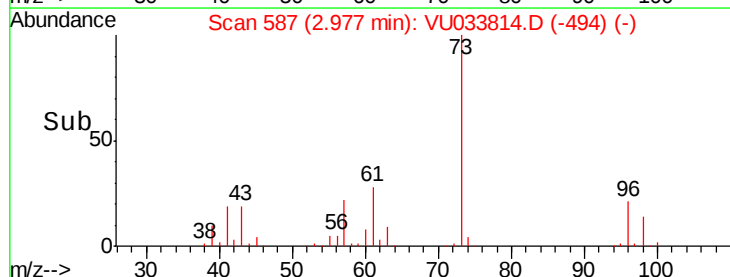
57 21.9 17.8 26.8

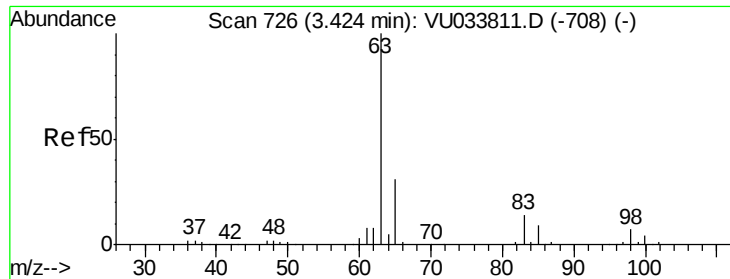


Abundance Ion 73.00 (72.70 to 73.70): VU033814.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033814.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033814.D (-494) (-)

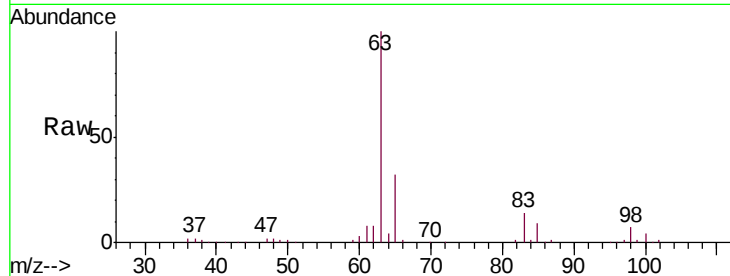




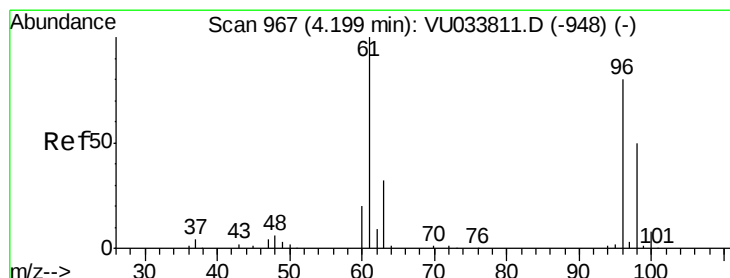
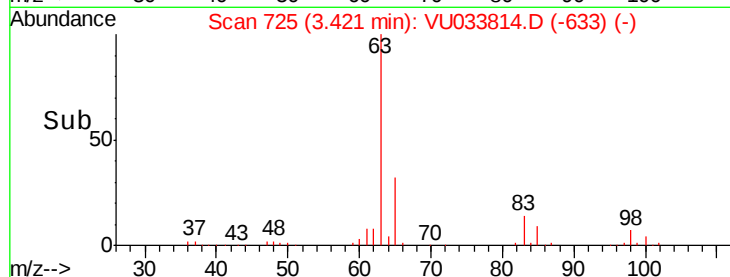
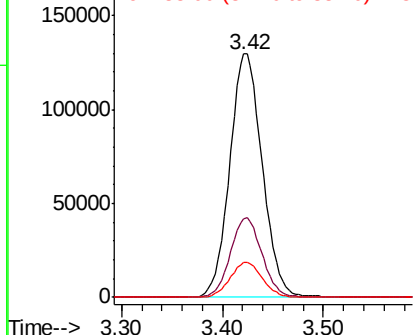
#19
 1,1-Dichloroethane
 Concen: 48.508 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

Tgt Ion: 63 Resp: 290341
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.6
 83 14.2 9.9 18.3

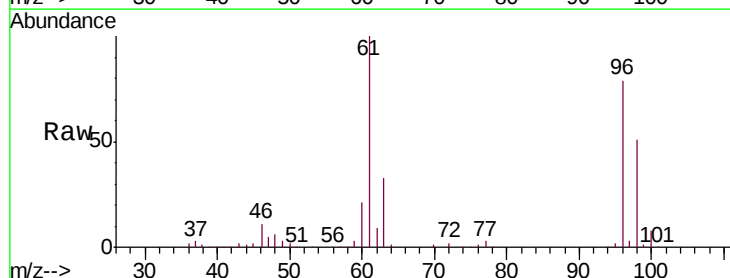


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

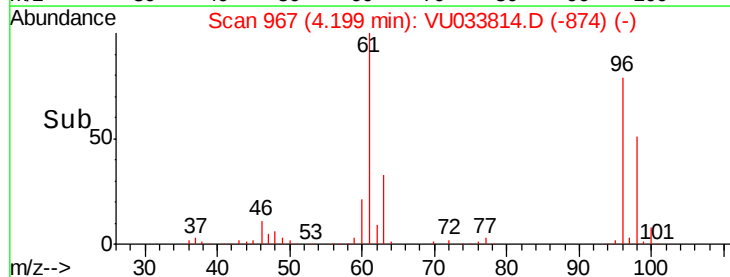
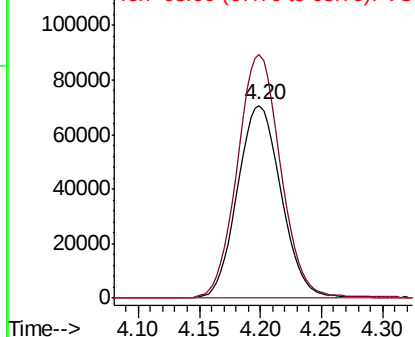


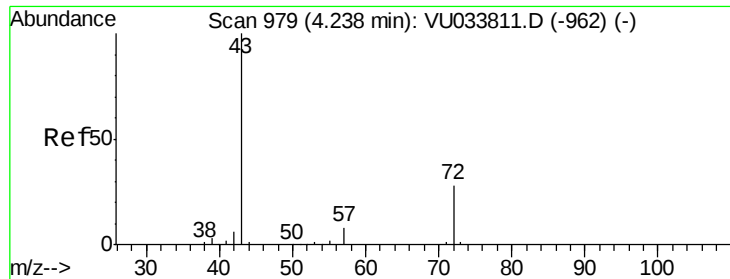
#20
 cis-1,2-Dichloroethene
 Concen: 52.072 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Tgt Ion: 96 Resp: 175209
 Ion Ratio Lower Upper
 96 100
 61 126.3 88.2 163.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 102.019 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

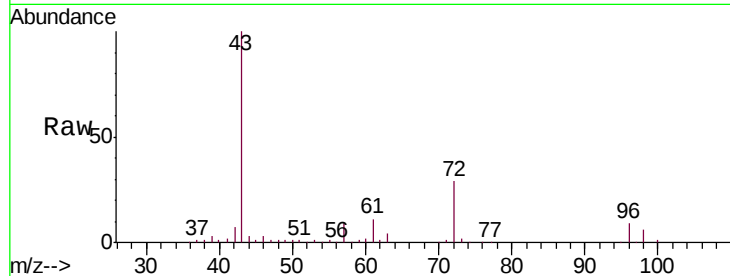
VICV33

Tgt Ion: 43 Resp: 235046

Ion Ratio Lower Upper

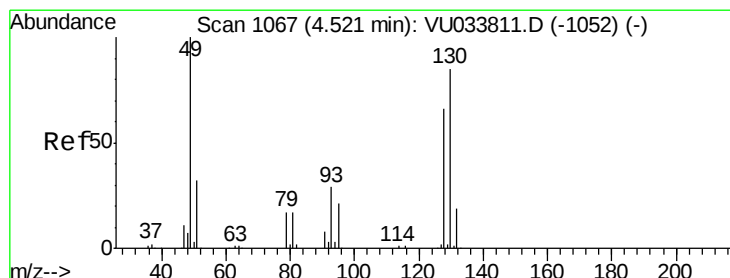
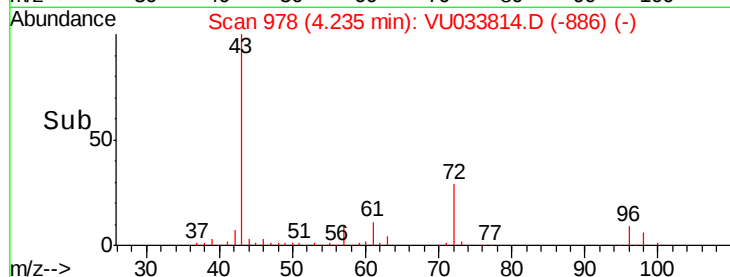
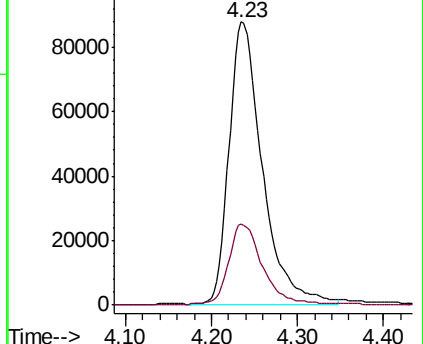
43 100

72 29.7 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033811.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033811.D (-962) (-)



#23

Bromochloromethane

Concen: 48.691 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Tgt Ion: 128 Resp: 89325

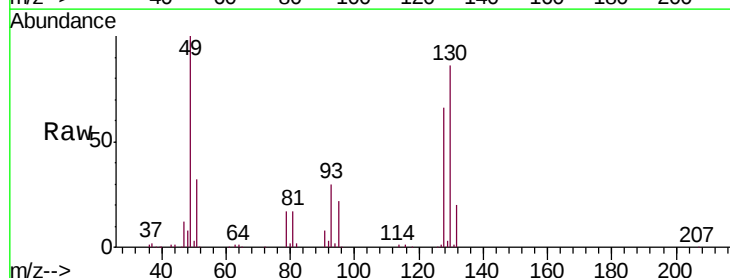
Ion Ratio Lower Upper

128 100

49 150.7 106.7 198.3

130 129.5 90.4 168.0

51 48.2 38.4 57.6

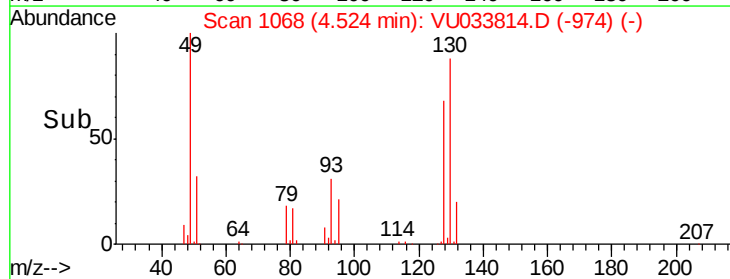
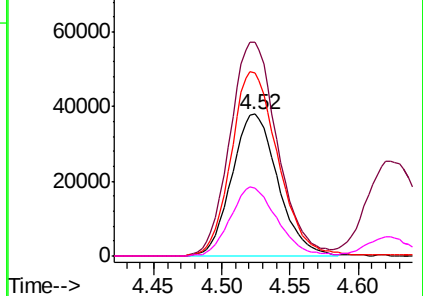


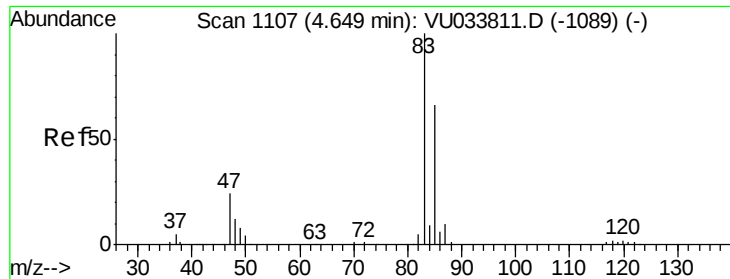
Abundance Ion 128.00 (127.70 to 128.70): VU033811.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033811.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033811.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033811.D (-1052) (-)

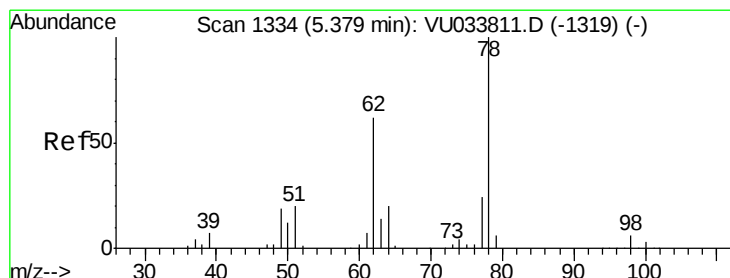
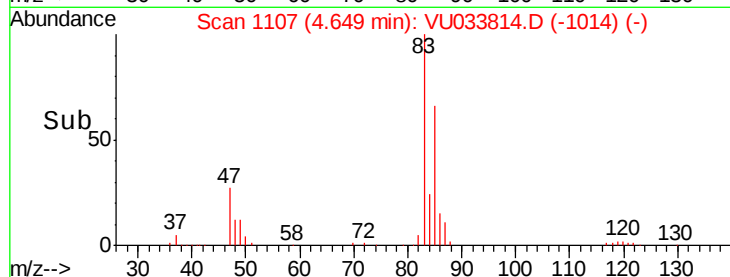
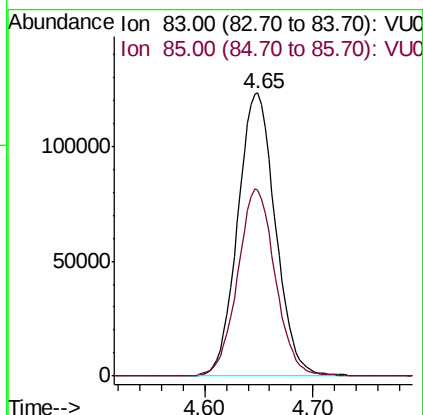
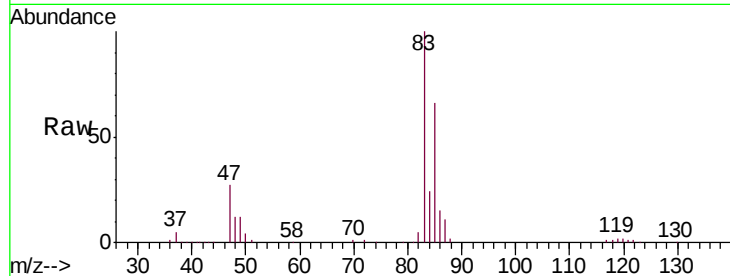




#25
Chloroform
Concen: 48.035 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

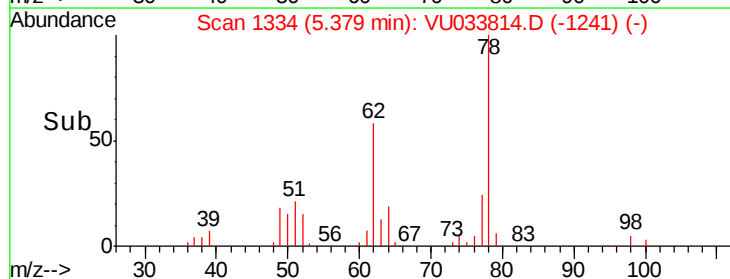
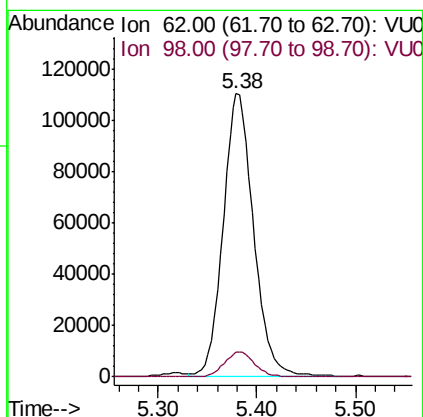
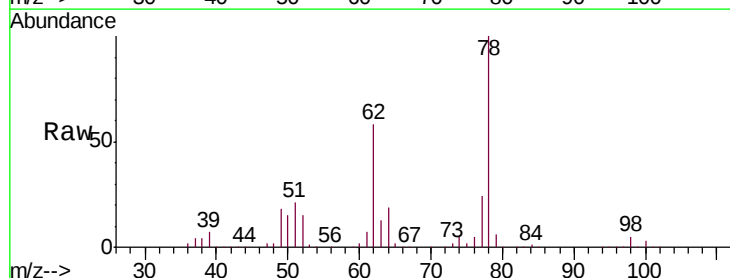
Instrument :
MSVOA_U
ClientSampleId :
VICV33

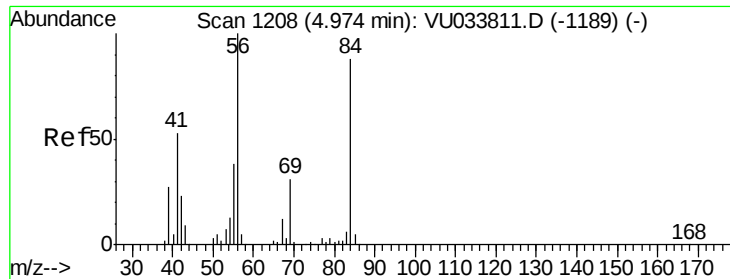
Tgt Ion: 83 Resp: 298792
Ion Ratio Lower Upper
83 100
85 65.8 46.3 86.1



#27
1,2-Dichloroethane
Concen: 50.210 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Tgt Ion: 62 Resp: 236787
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

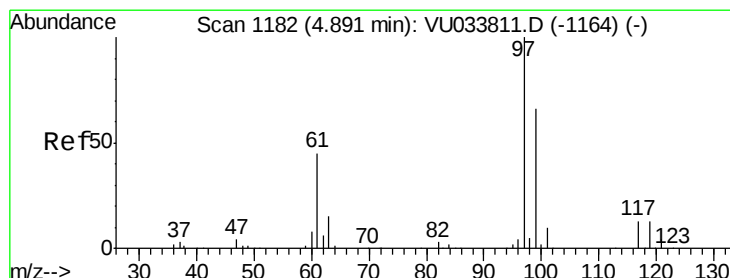
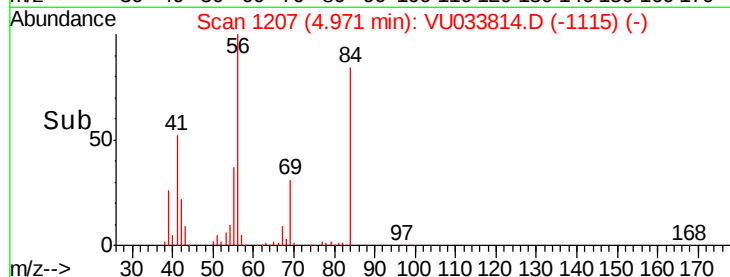
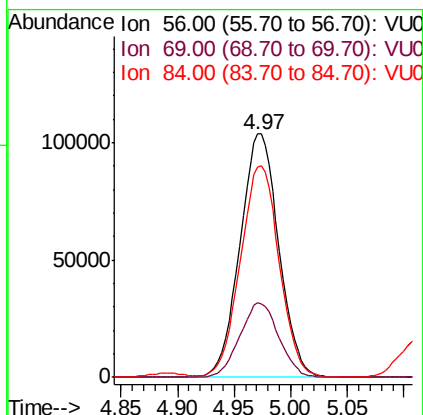
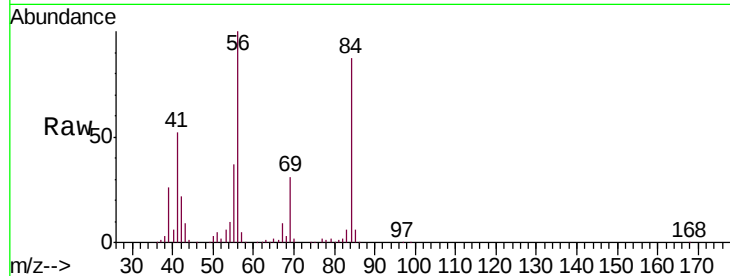




#29
Cyclohexane
Concen: 55.017 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

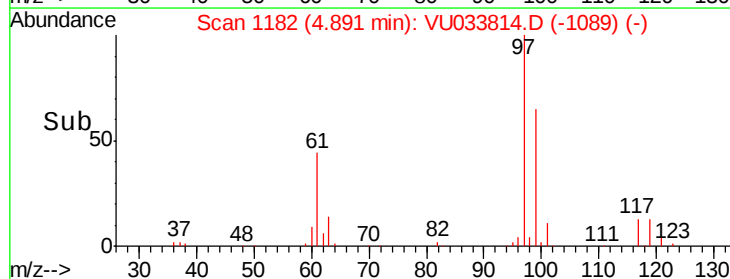
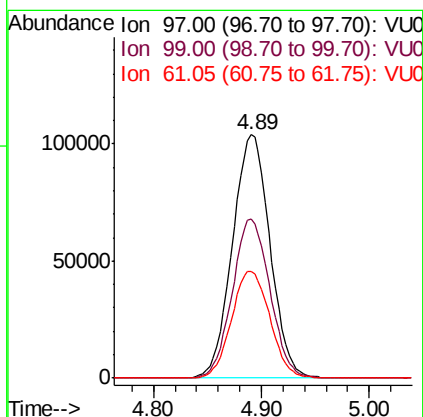
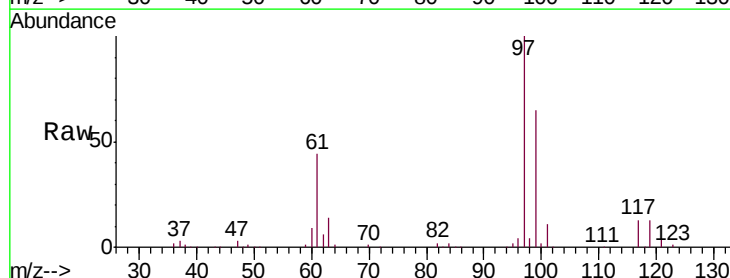
Instrument :
MSVOA_U
ClientSampled :
VICV33

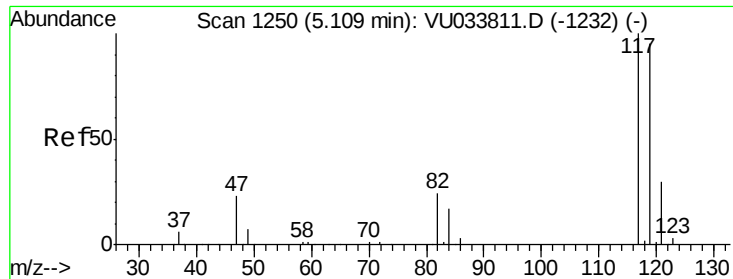
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.4	36.6
84	86.9	69.0	103.4



#30
1,1,1-Trichloroethane
Concen: 49.983 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.8
61	44.6	35.8	53.6





#31

Carbon tetrachloride

Concen: 49.455 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampled :

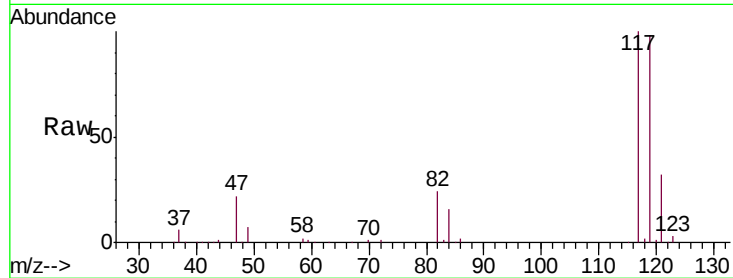
VICV33

Tgt Ion:117 Resp: 227202

Ion Ratio Lower Upper

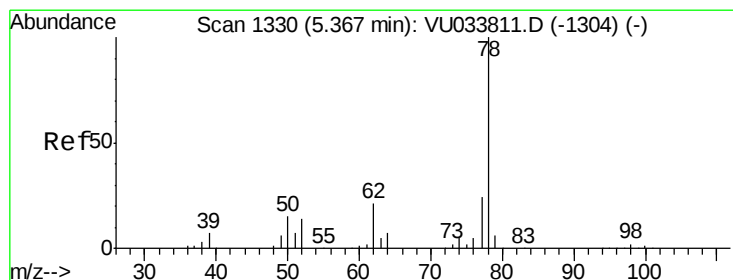
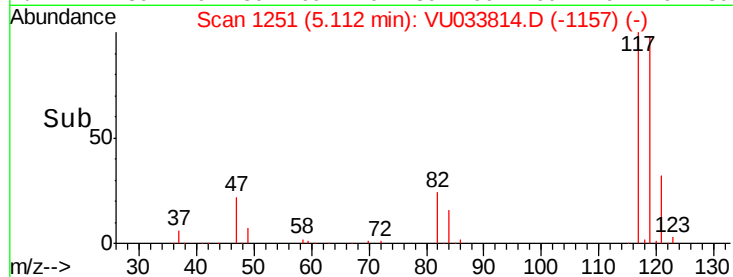
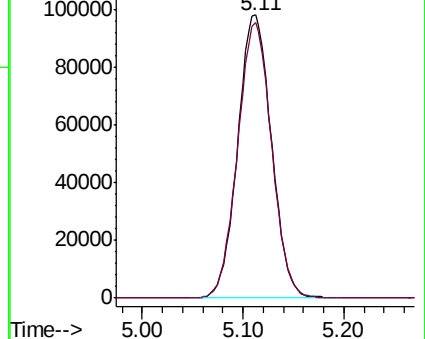
117 100

119 97.7 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.749 ug/L

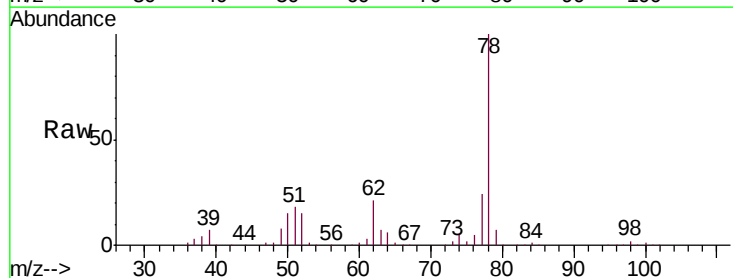
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

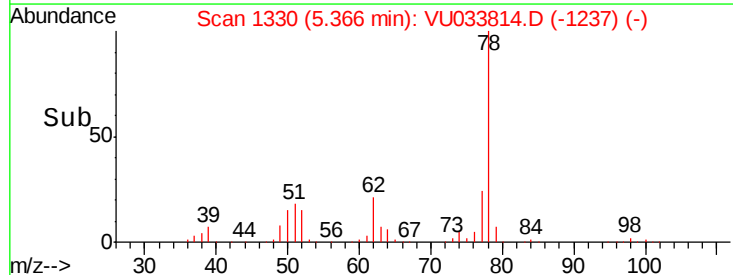
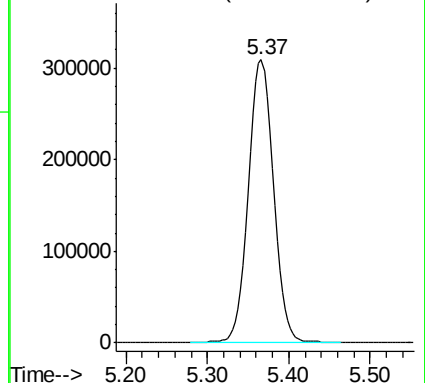
Lab File: VU033814.D

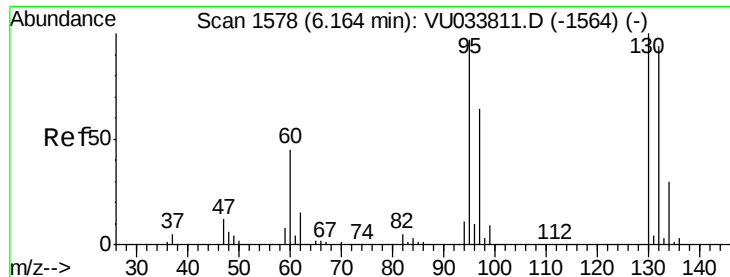
Acq: 15 Aug 2019 16:36

Tgt Ion: 78 Resp: 655538



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.788 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

Tgt Ion: 95 Resp: 171707

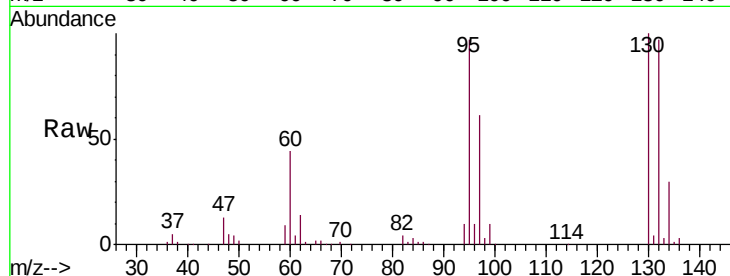
Ion Ratio Lower Upper

95 100

97 63.1 46.3 86.1

132 99.9 67.9 126.1

130 102.9 72.0 133.6

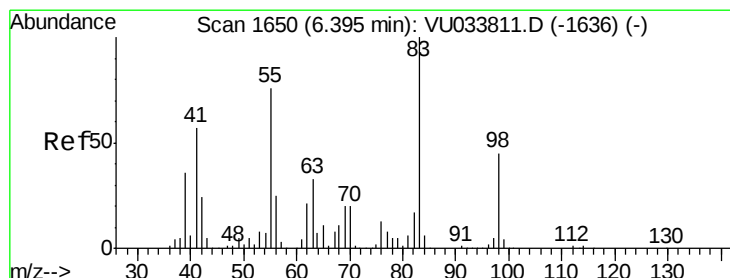
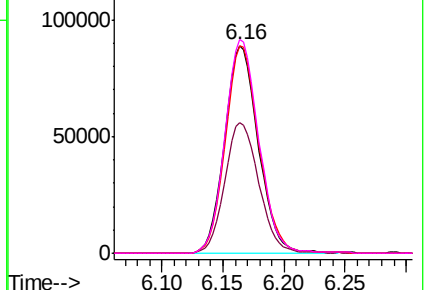
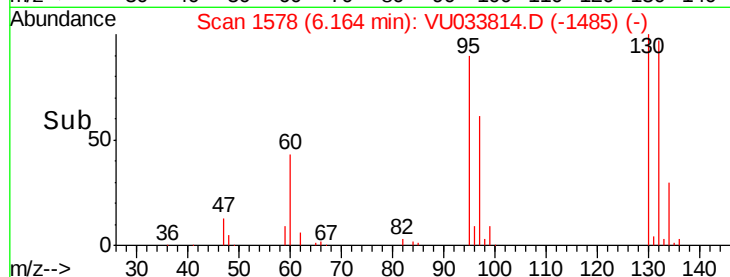


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.323 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

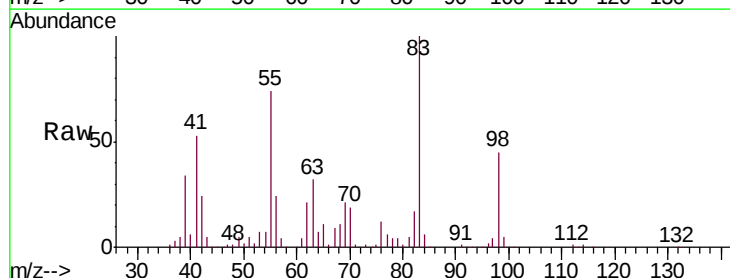
Tgt Ion: 83 Resp: 263990

Ion Ratio Lower Upper

83 100

55 75.9 61.6 92.4

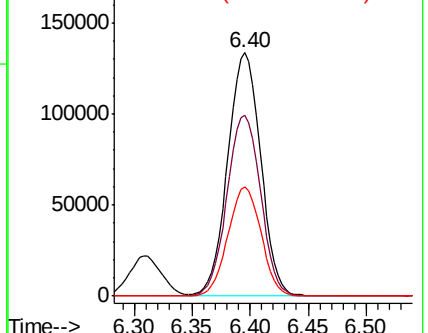
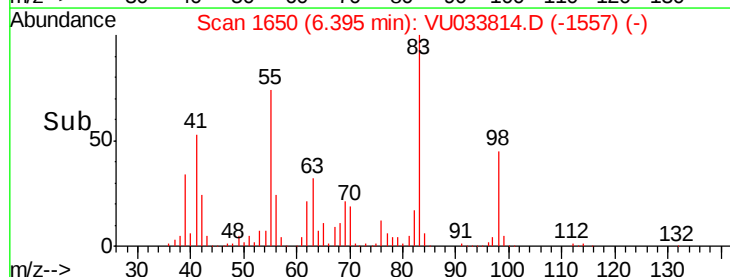
98 45.1 37.2 55.8

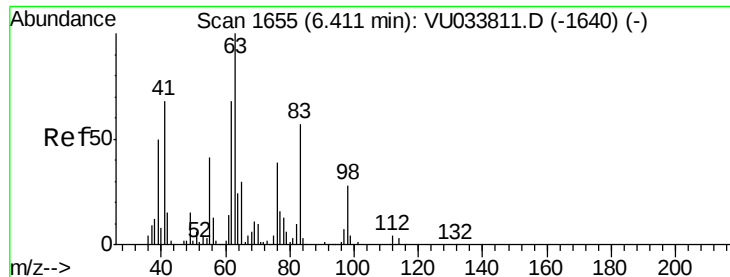


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.228 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

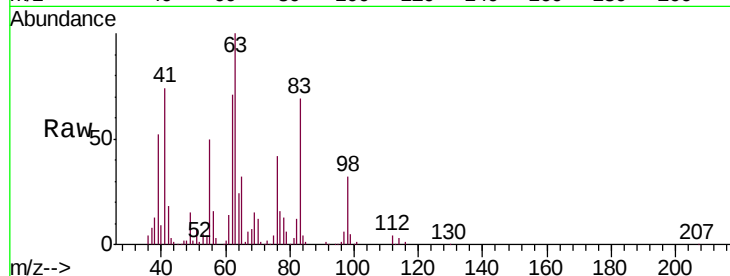
VICV33

Tgt Ion: 63 Resp: 174237

Ion Ratio Lower Upper

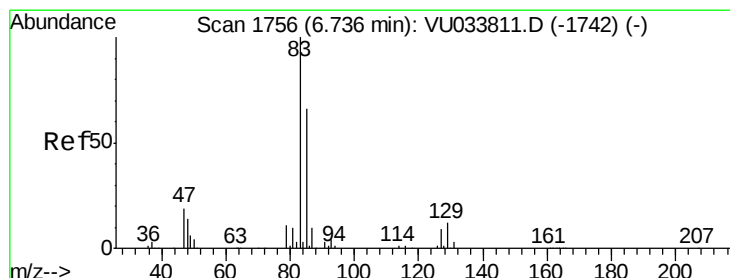
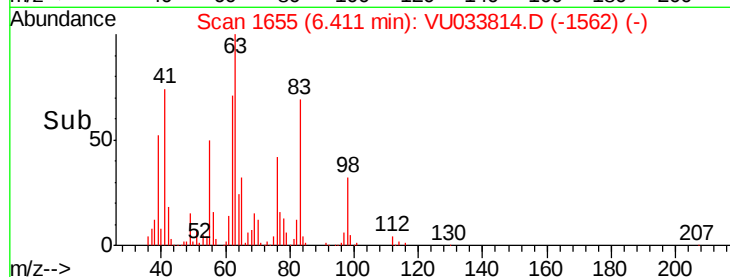
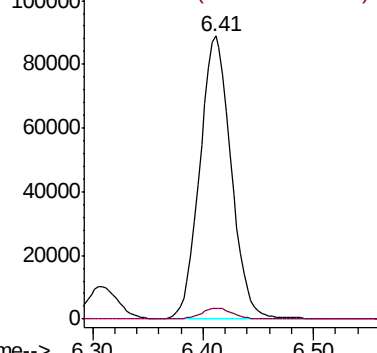
63 100

112 3.9 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 49.889 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

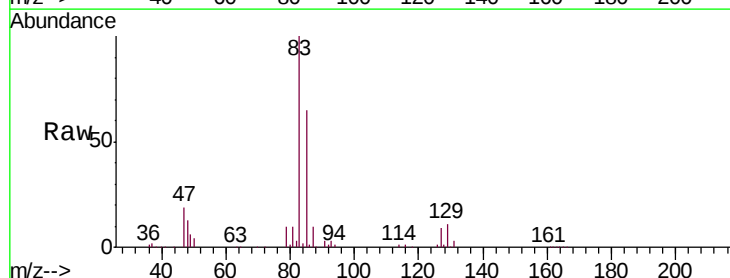
Tgt Ion: 83 Resp: 224064

Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3

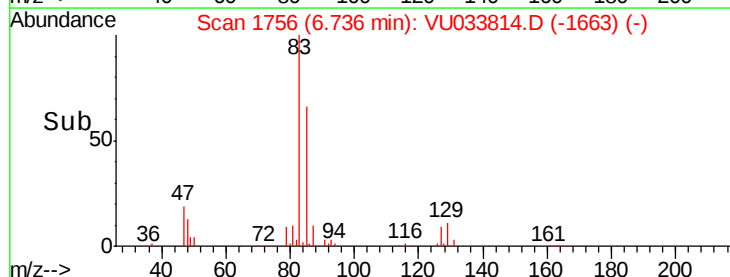
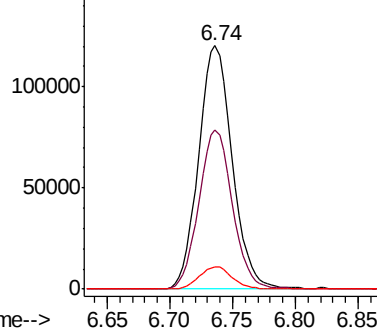
127 9.1 7.3 10.9

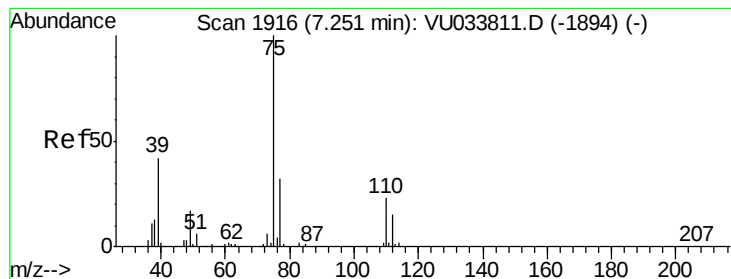


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



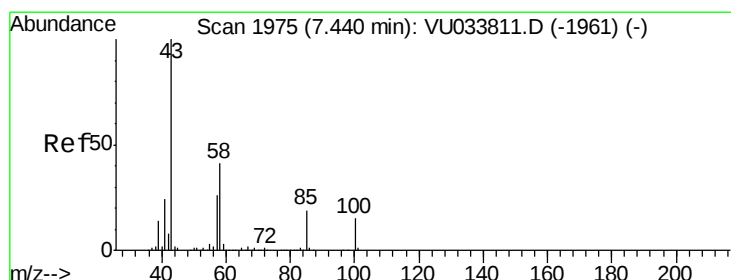
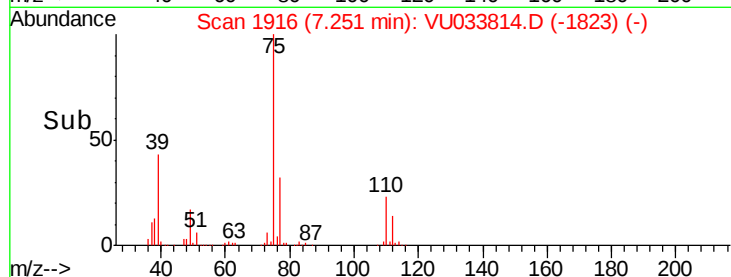
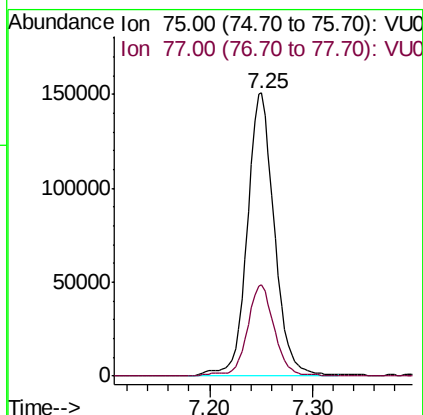
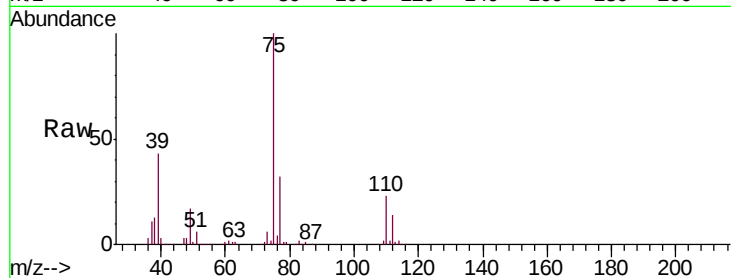


#39

cis-1,3-Dichloropropene
 Concen: 54.405 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

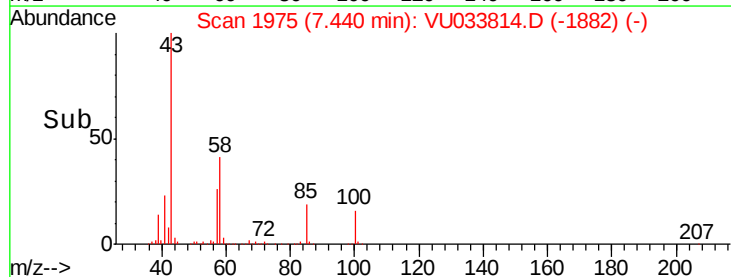
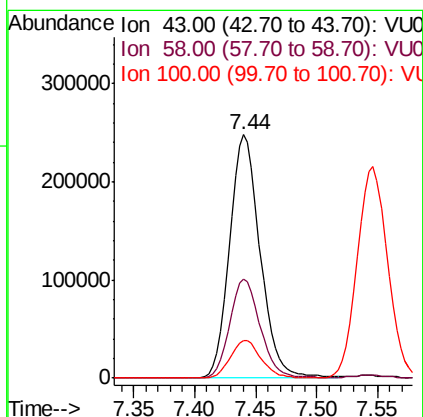
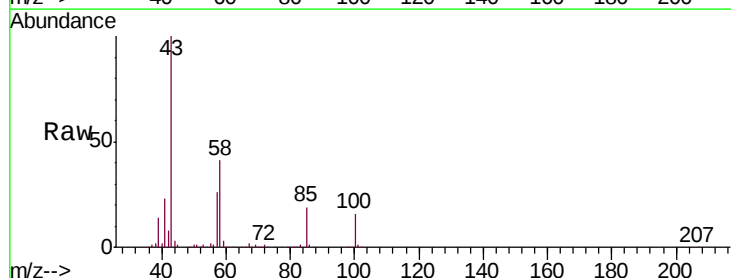
Tgt Ion: 75 Resp: 275056
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.7

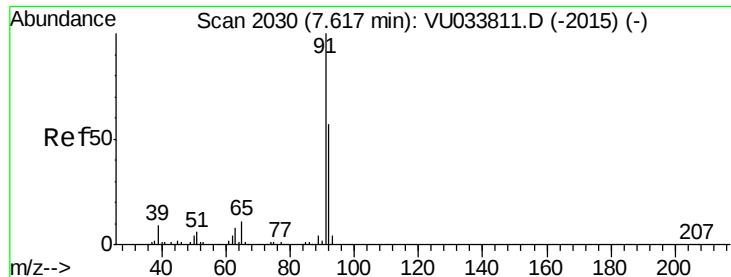


#40

4-Methyl-2-pentanone
 Concen: 106.649 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Tgt Ion: 43 Resp: 434288
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.6 49.0
 100 15.6 12.4 18.6





#42

Toluene

Concen: 52.655 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

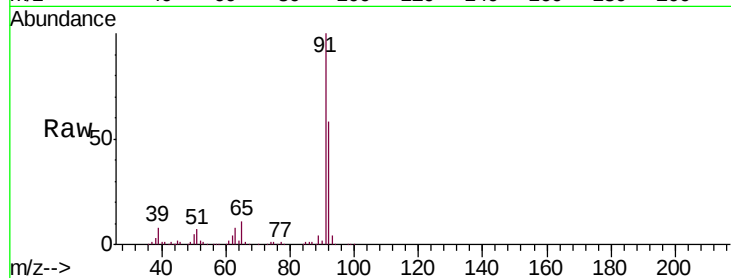
VICV33

Tgt Ion: 91 Resp: 705141

Ion Ratio Lower Upper

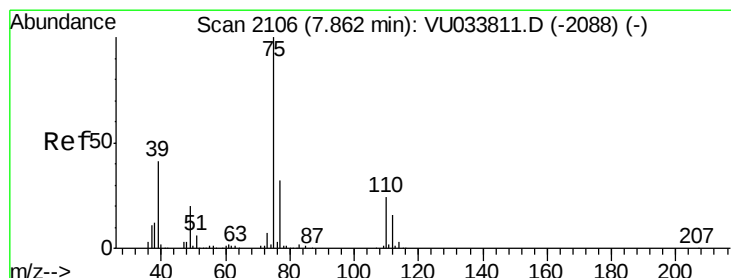
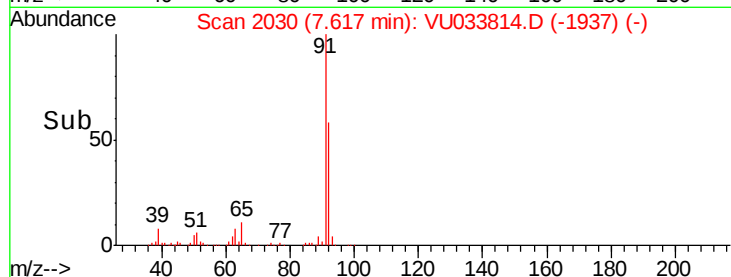
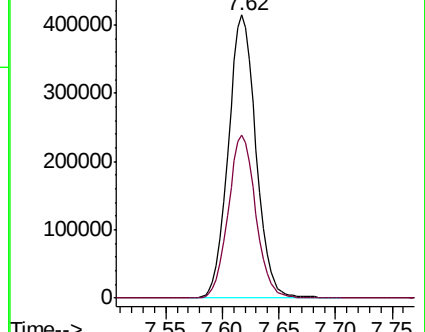
91 100

92 57.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU033814.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033814.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 53.205 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033814.D

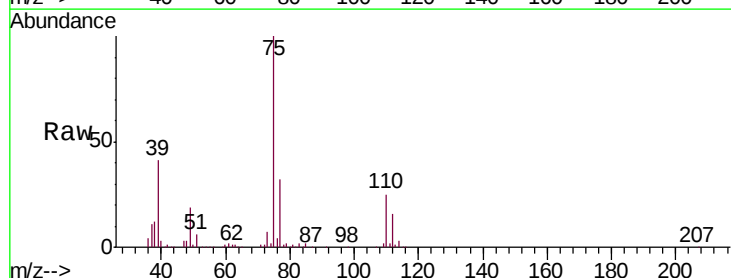
Acq: 15 Aug 2019 16:36

Tgt Ion: 75 Resp: 247207

Ion Ratio Lower Upper

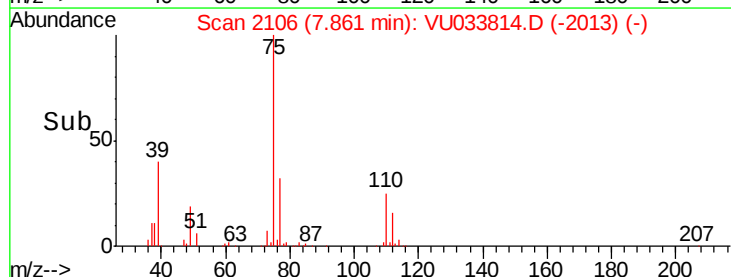
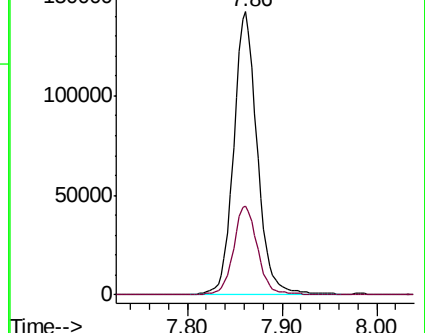
75 100

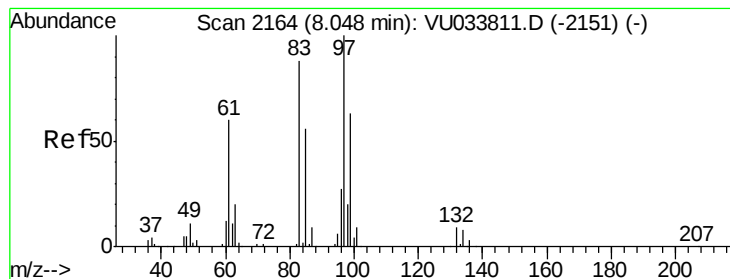
77 31.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU033814.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033814.D (-2013) (-)





#45

1,1,2-Trichloroethane

Concen: 51.005 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

Tgt Ion: 97 Resp: 166067

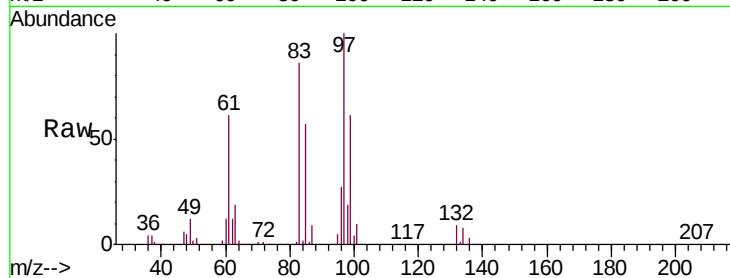
Ion Ratio Lower Upper

97 100

99 60.9 43.9 81.5

83 85.8 61.7 114.5

85 57.1 39.2 72.8



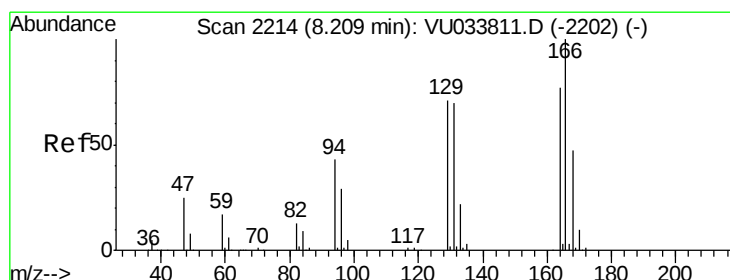
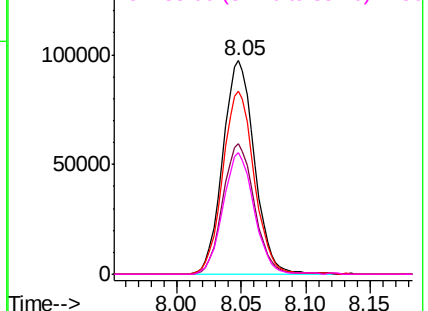
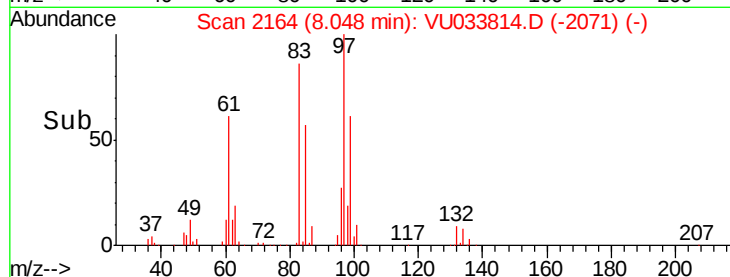
Abundance

Ion 97.00 (96.70 to 97.70): VU033811.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033811.D (-2151) (-)

Ion 83.00 (82.70 to 83.70): VU033811.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033811.D (-2151) (-)



#46

Tetrachloroethene

Concen: 51.355 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Tgt Ion: 164 Resp: 139195

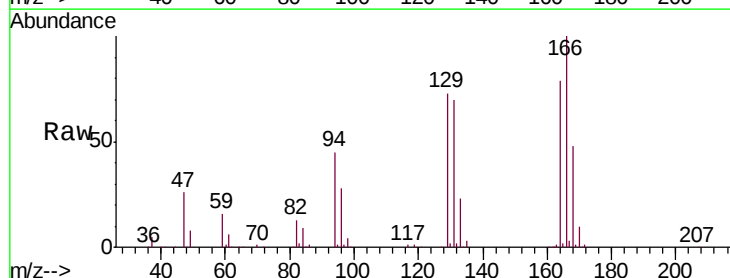
Ion Ratio Lower Upper

164 100

129 92.5 64.4 119.6

131 89.1 63.8 118.4

166 127.3 90.9 168.7



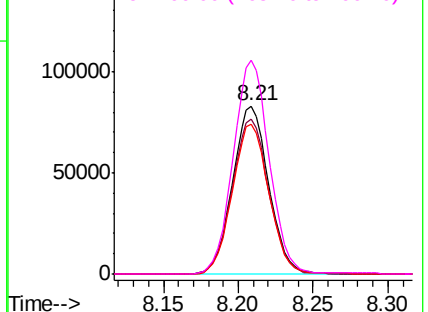
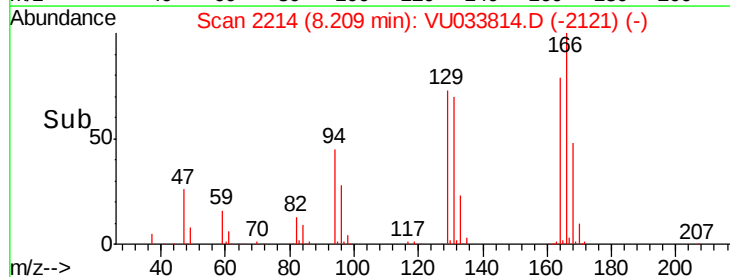
Abundance

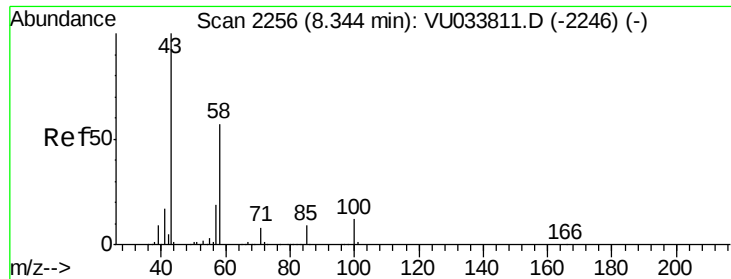
Ion 164.00 (163.70 to 164.70): VU033811.D (-2202) (-)

Ion 129.00 (128.70 to 129.70): VU033811.D (-2202) (-)

Ion 131.00 (130.70 to 131.70): VU033811.D (-2202) (-)

Ion 166.00 (165.70 to 166.70): VU033811.D (-2202) (-)

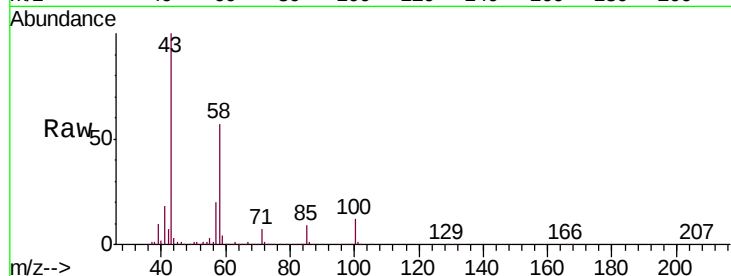




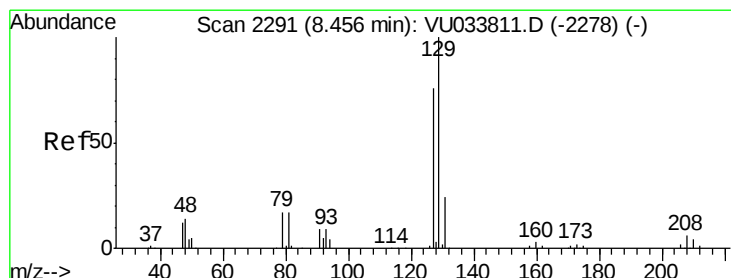
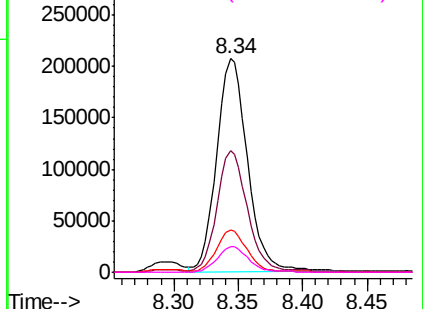
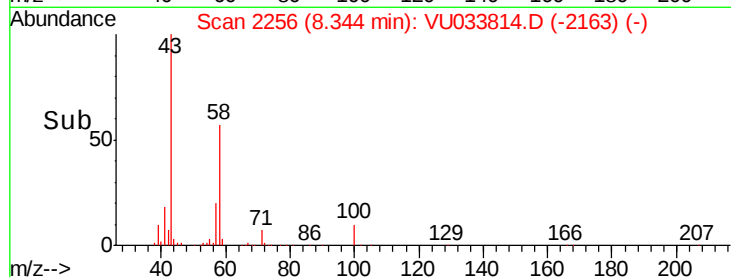
#48
2-Hexanone
Concen: 107.477 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Instrument :
MSVOA_U
ClientSampleId :
VICV33

Tgt Ion:	43	Resp:	343178
Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.0	67.4
57	20.2	15.4	23.0
100	12.3	9.6	14.4

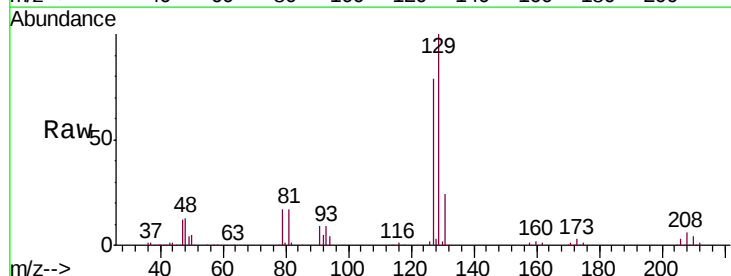


Abundance Ion 43.00 (42.70 to 43.70): VU033814.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033814.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033814.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033814.D (-2163) (-)

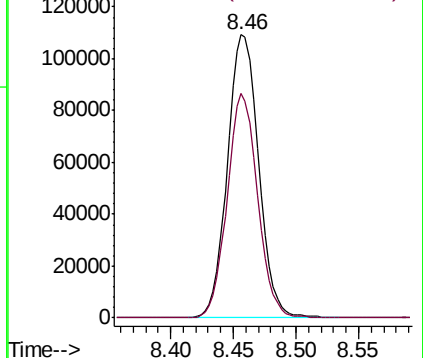
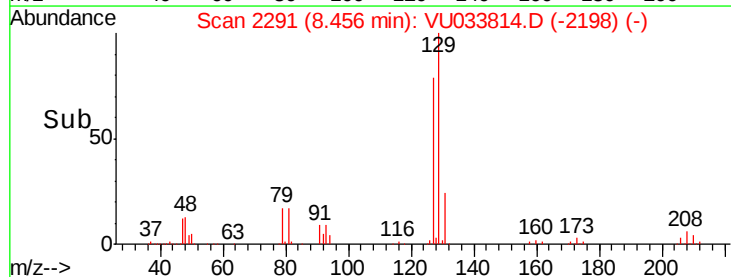


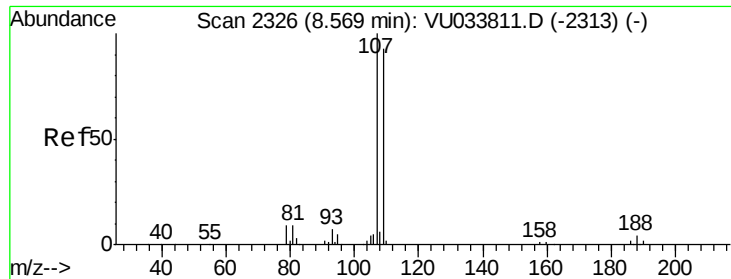
#49
Dibromochloromethane
Concen: 51.467 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Tgt Ion:	129	Resp:	189216
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.4	99.2



Abundance Ion 129.00 (128.70 to 129.70): VU033814.D (-2198) (-)
Ion 127.00 (126.70 to 127.70): VU033814.D (-2198) (-)

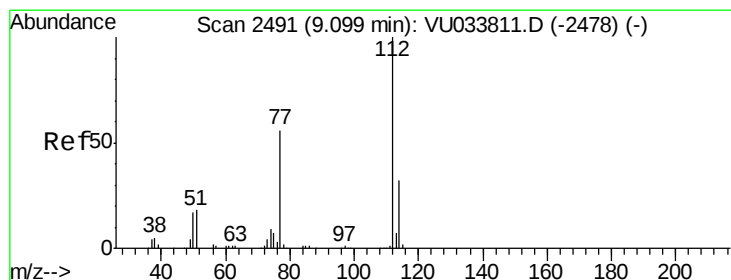
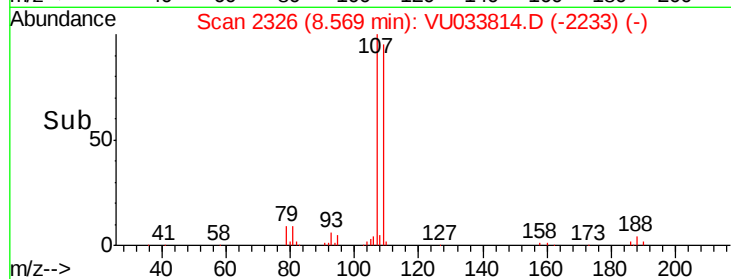
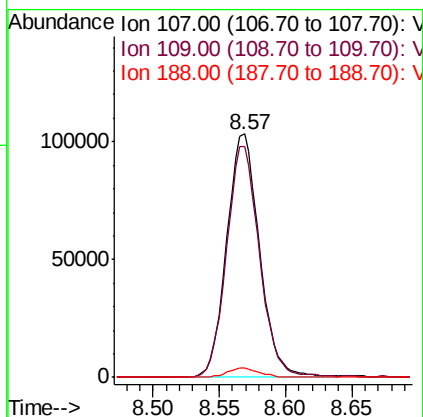
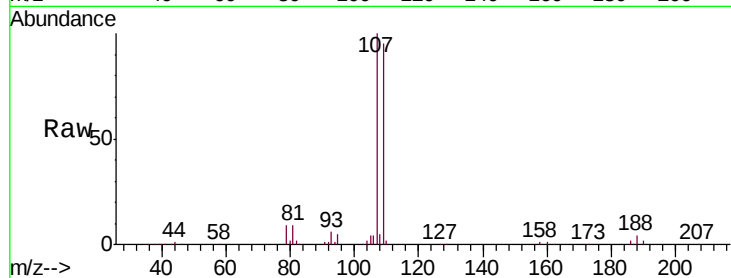




#50
1,2-Dibromoethane
Concen: 51.212 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

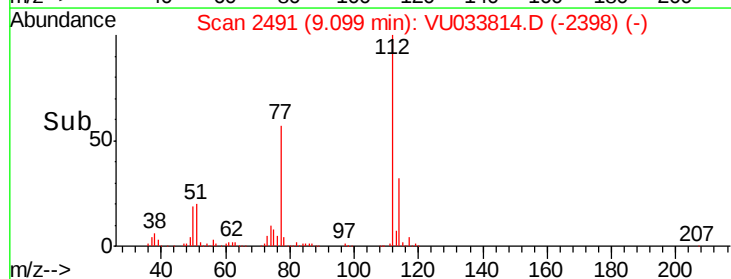
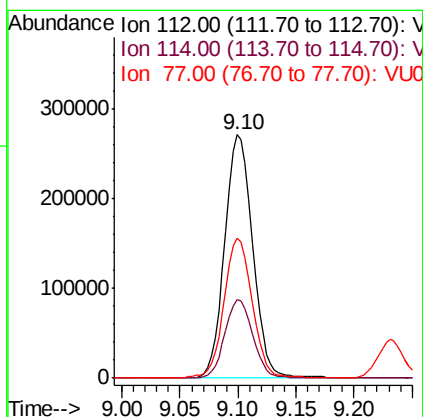
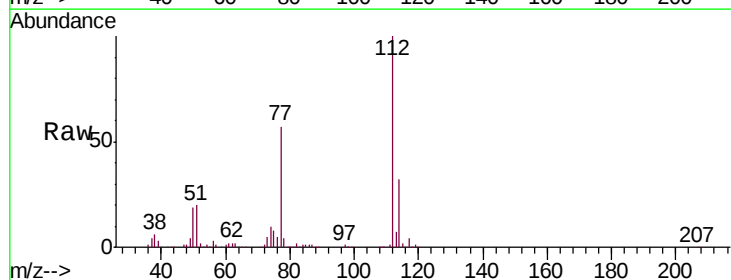
Instrument :
MSVOA_U
ClientSampleId :
VICV33

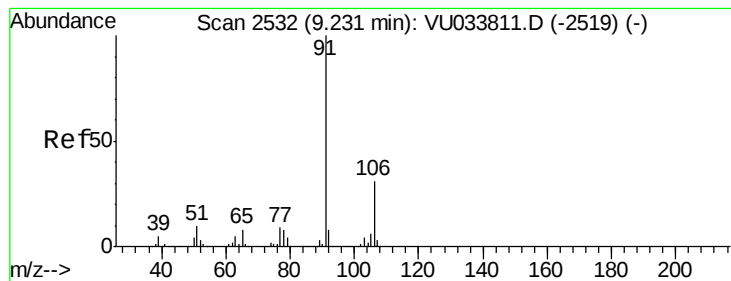
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.8	120.3
188	3.8	3.1	4.7



#51
Chlorobenzene
Concen: 51.133 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033814.D
Acq: 15 Aug 2019 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.9
77	57.5	45.4	68.0





#52

Ethylbenzene

Concen: 53.205 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

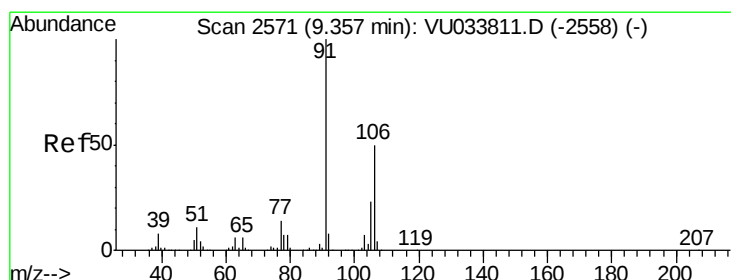
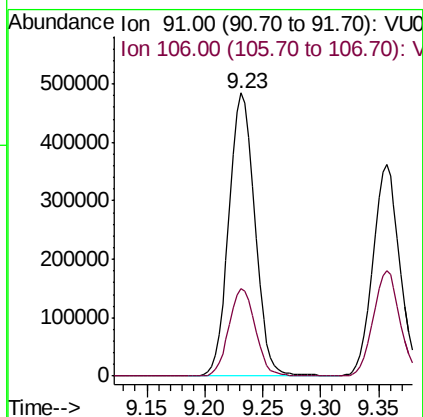
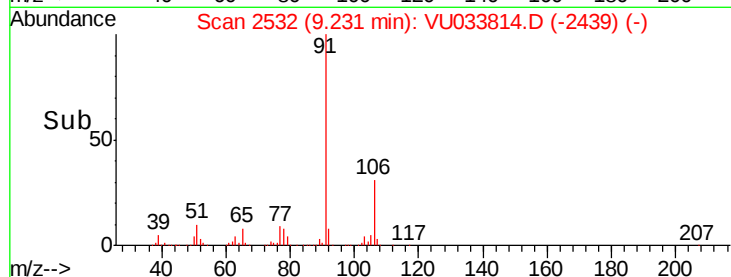
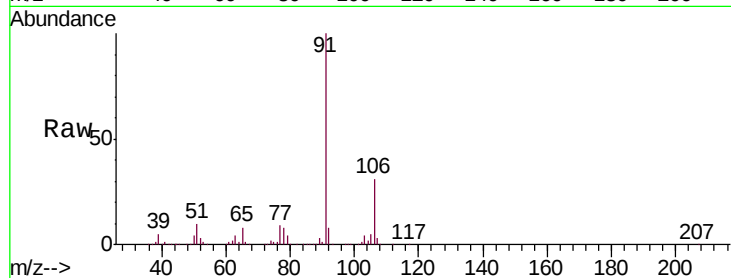
VICV33

Tgt Ion: 91 Resp: 754904

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.6



#53

m,p-Xylene

Concen: 54.675 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033814.D

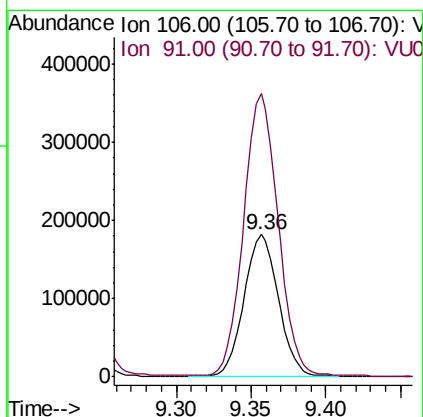
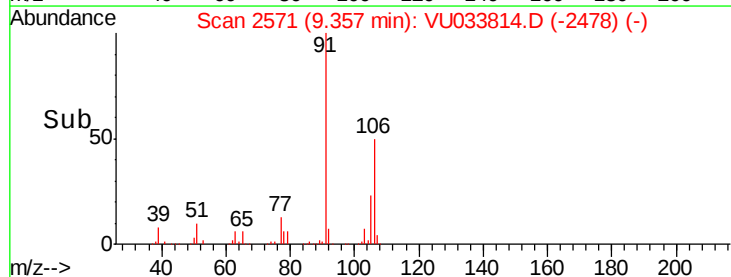
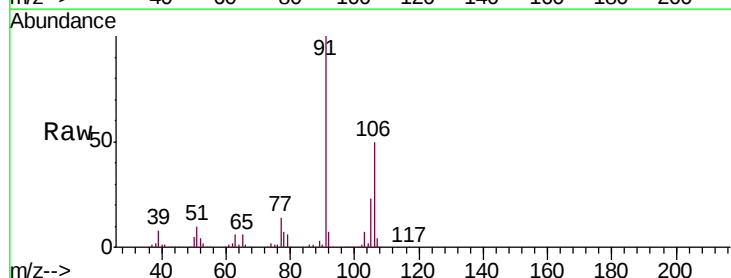
Acq: 15 Aug 2019 16:36

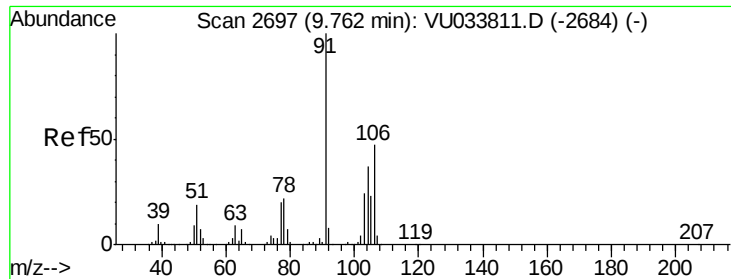
Tgt Ion: 106 Resp: 290384

Ion Ratio Lower Upper

106 100

91 199.3 140.9 261.7





#54

o-xylene

Concen: 55.702 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

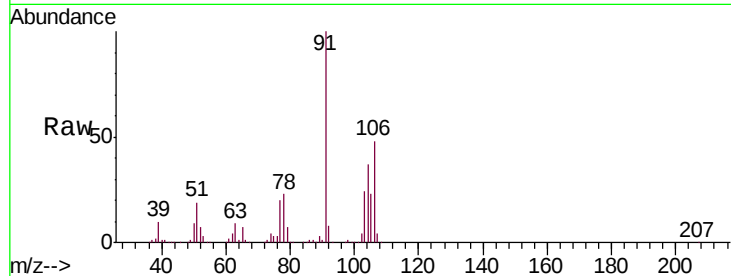
VICV33

Tgt Ion:106 Resp: 286657

Ion Ratio Lower Upper

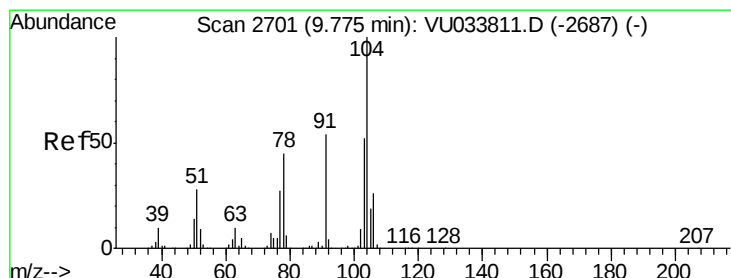
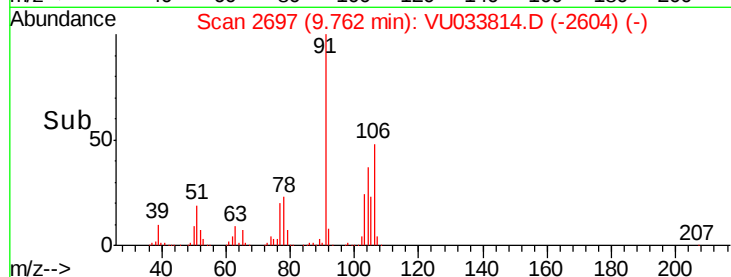
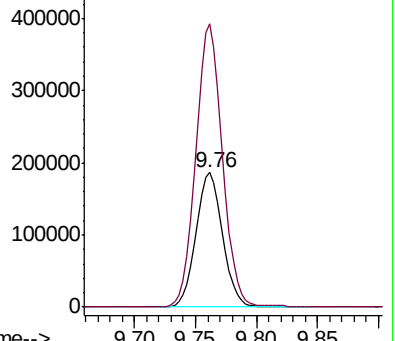
106 100

91 210.1 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.159 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033814.D

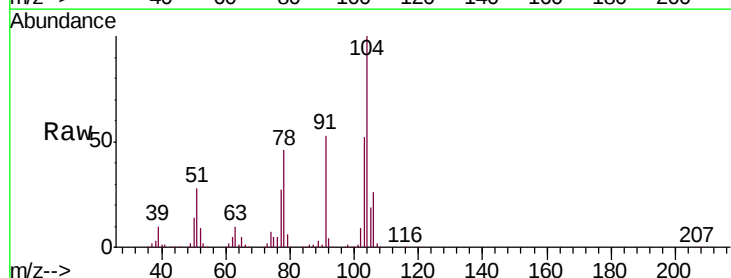
Acq: 15 Aug 2019 16:36

Tgt Ion:104 Resp: 495198

Ion Ratio Lower Upper

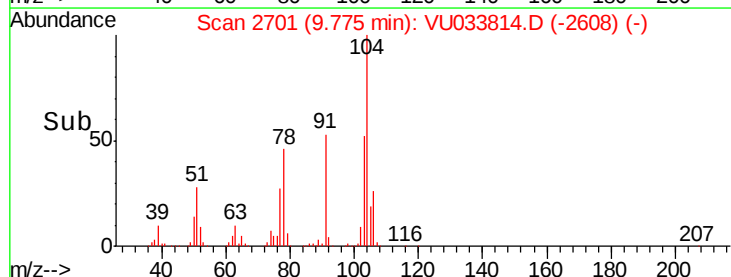
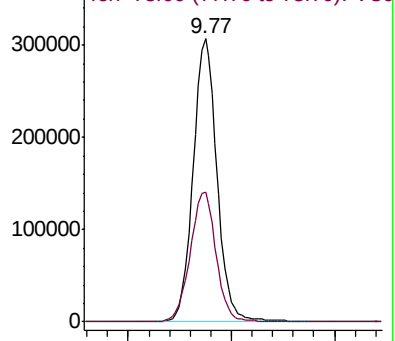
104 100

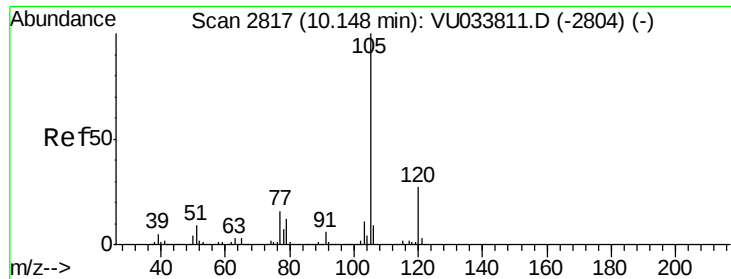
78 45.7 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.042 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

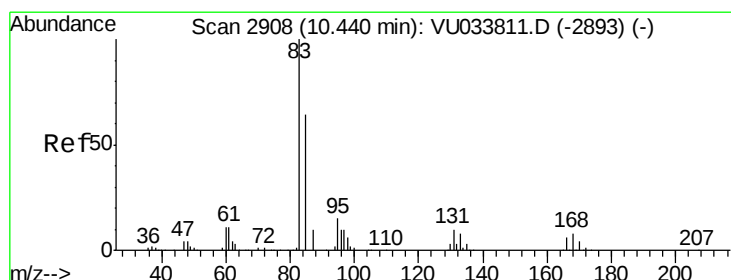
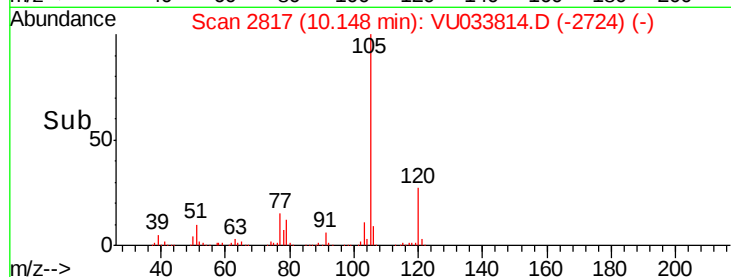
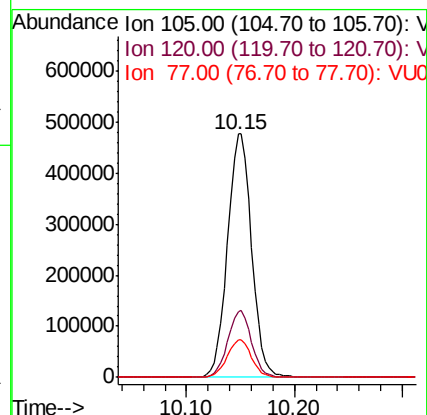
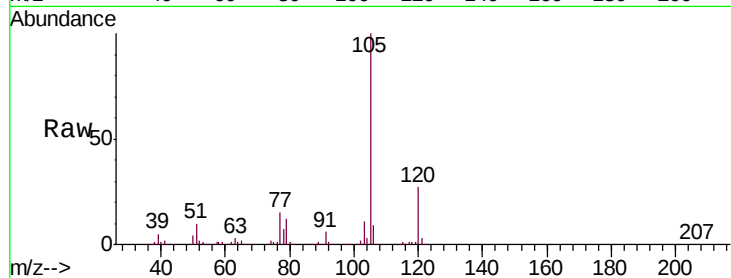
Tgt Ion:105 Resp: 740627

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.621 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

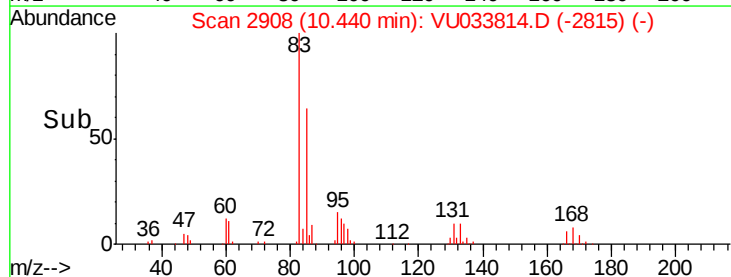
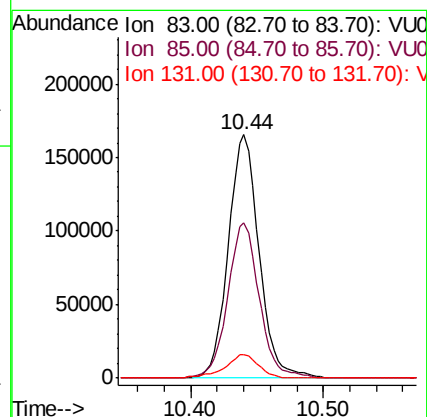
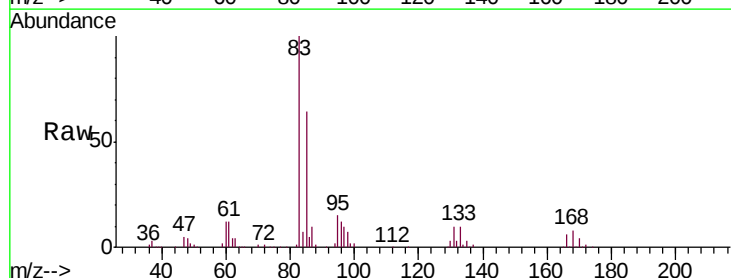
Tgt Ion: 83 Resp: 266765

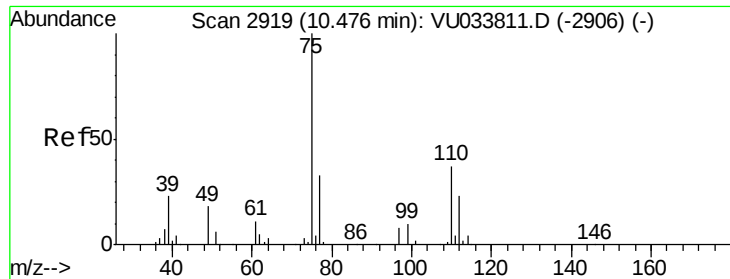
Ion Ratio Lower Upper

83 100

85 63.9 44.6 82.8

131 9.5 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 50.528 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

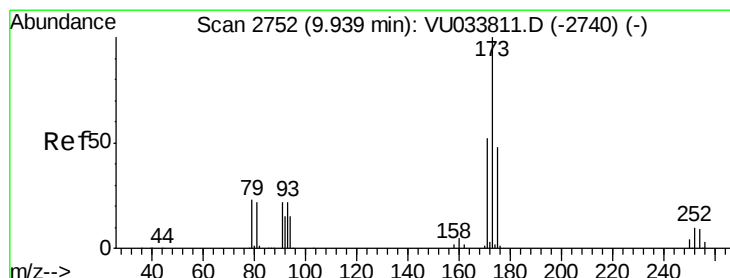
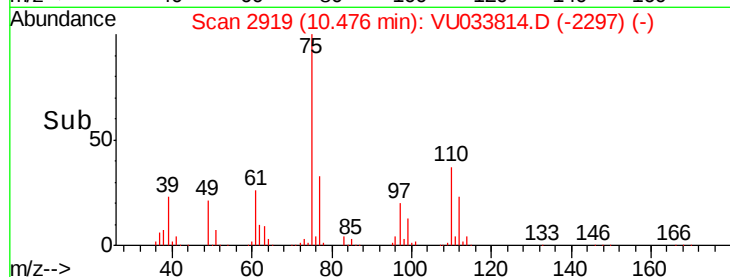
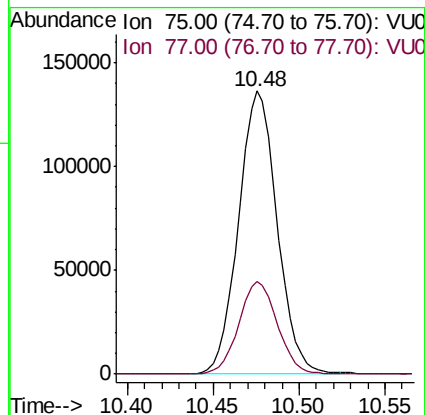
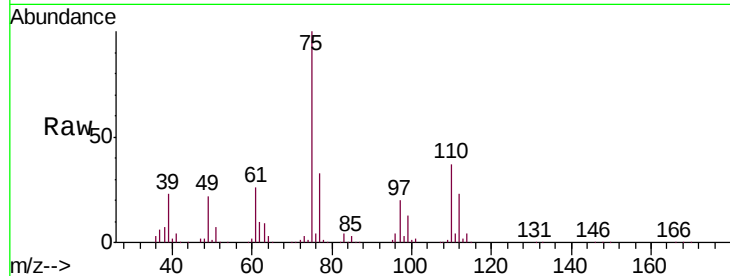
VICV33

Tgt Ion: 75 Resp: 212304

Ion Ratio Lower Upper

75 100

77 32.9 26.0 39.0



#61

Bromoform

Concen: 50.897 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

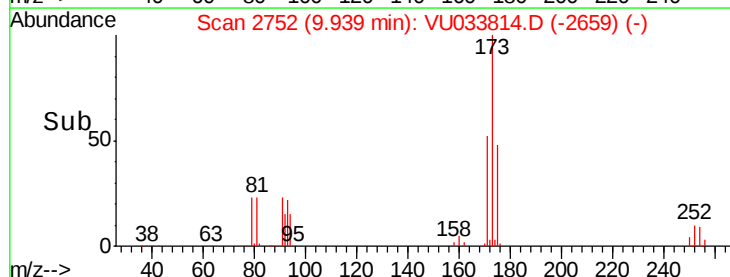
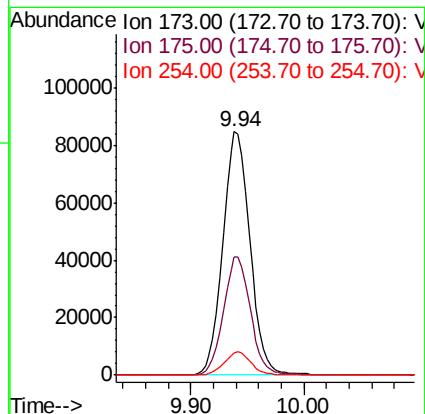
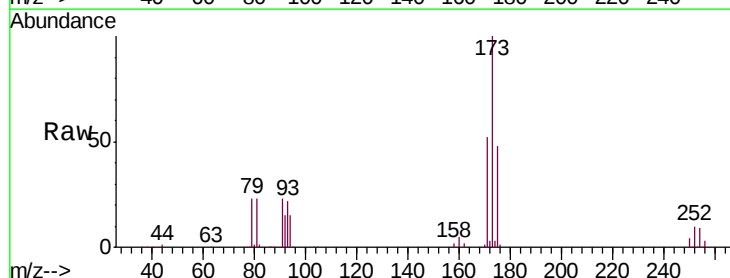
Tgt Ion: 173 Resp: 141418

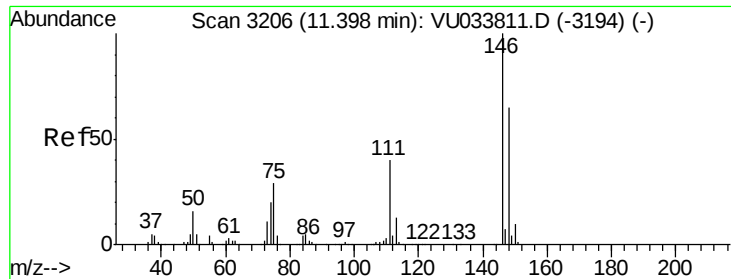
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 9.5 7.4 11.0

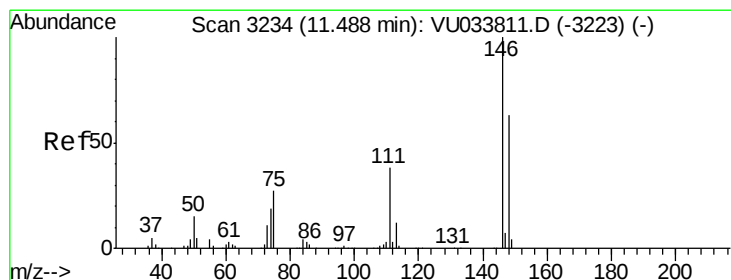
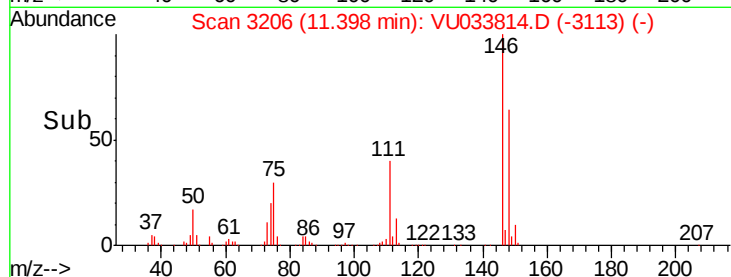
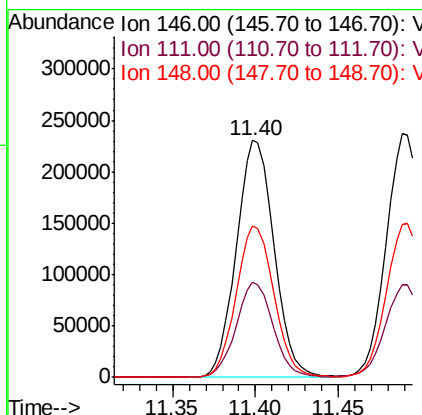
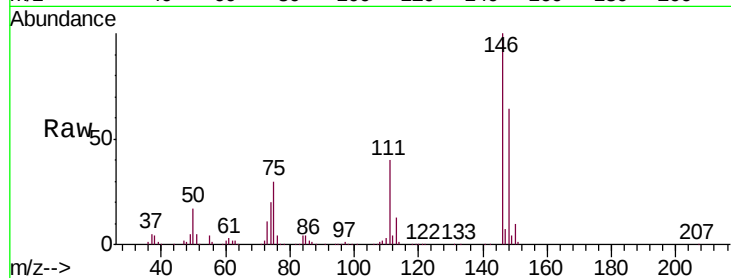




#62
 1,3-Dichlorobenzene
 Concen: 52.224 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

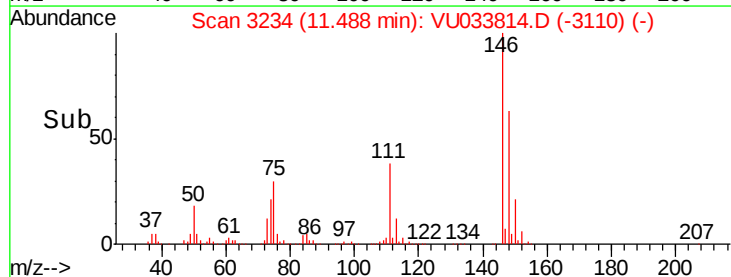
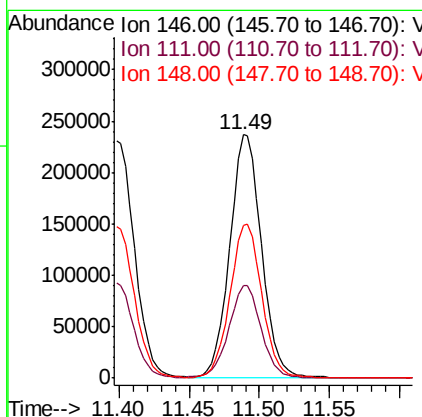
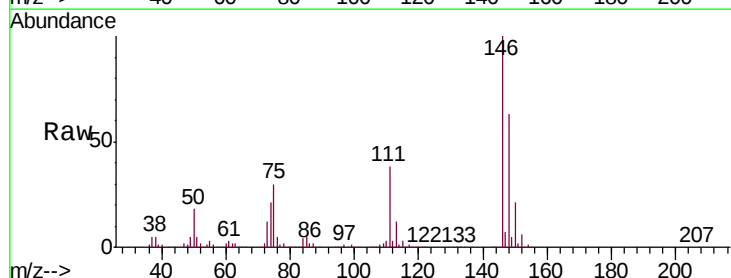
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

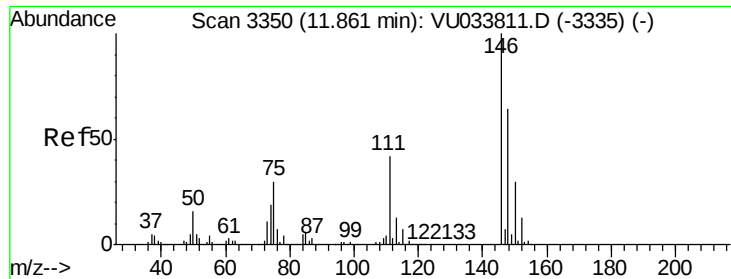
Tgt Ion:146 Resp: 365609
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.1 52.1
 148 64.1 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 51.125 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Tgt Ion:146 Resp: 370532
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.0 50.2
 148 62.8 44.5 82.7

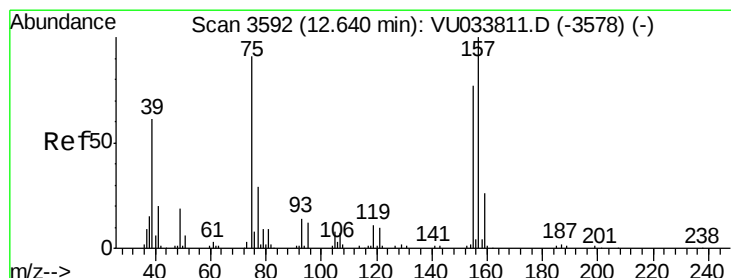
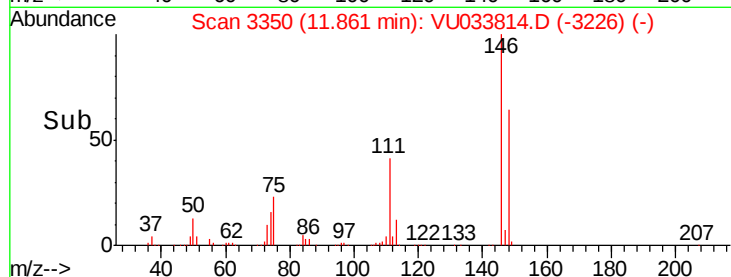
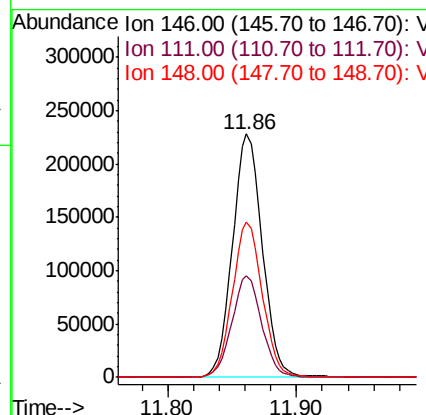
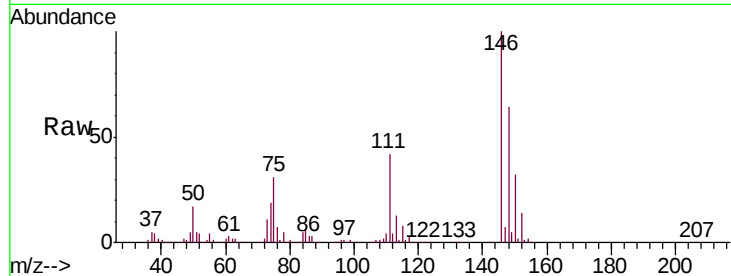




#65
 1,2-Dichlorobenzene
 Concen: 52.040 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

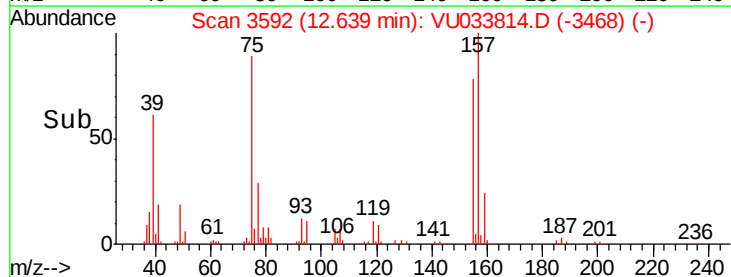
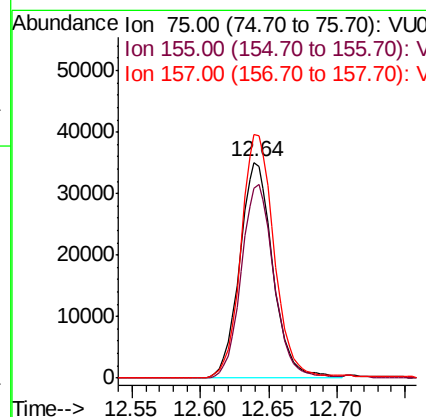
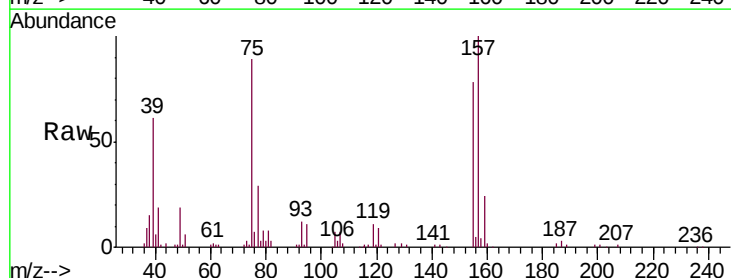
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

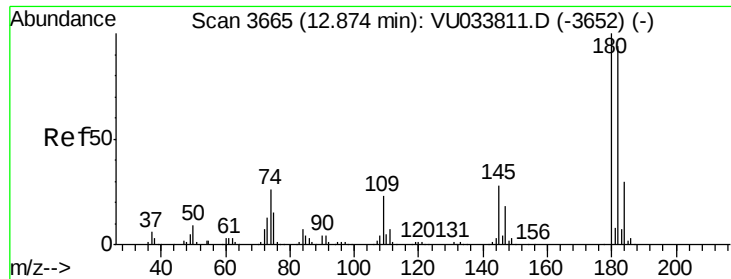
Tgt Ion: 146 Resp: 365208
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.8 50.6
 148 64.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.798 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Tgt Ion: 75 Resp: 59274
 Ion Ratio Lower Upper
 75 100
 155 88.1 67.5 101.3
 157 112.9 87.7 131.5

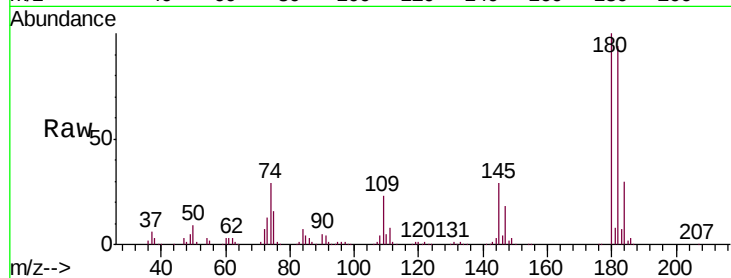




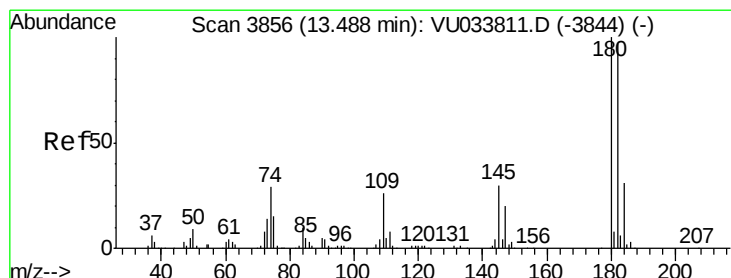
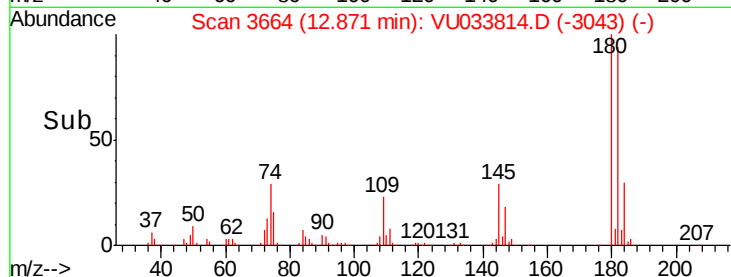
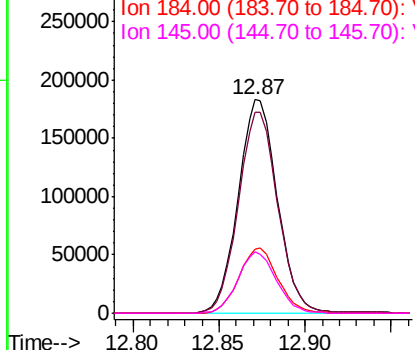
#67
 1,3,5-Trichlorobenzene
 Concen: 53.698 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Instrument :
 MSVOA_U
 ClientSampled :
 VICV33

Tgt Ion:	180	Resp:	289977
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
184	30.4	23.8	35.8
145	28.4	22.9	34.3

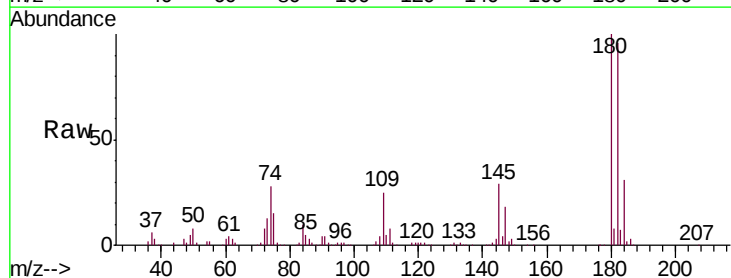


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

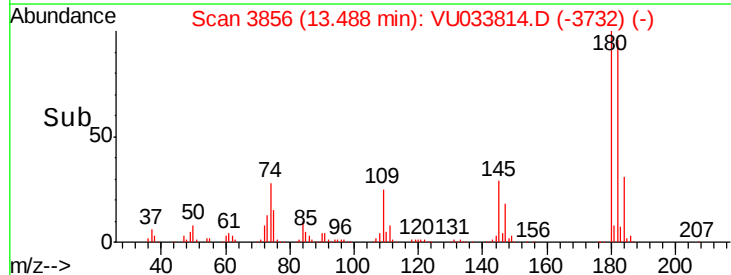
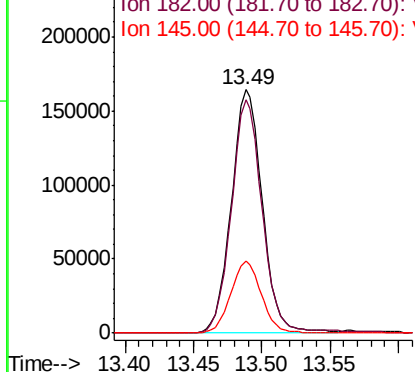


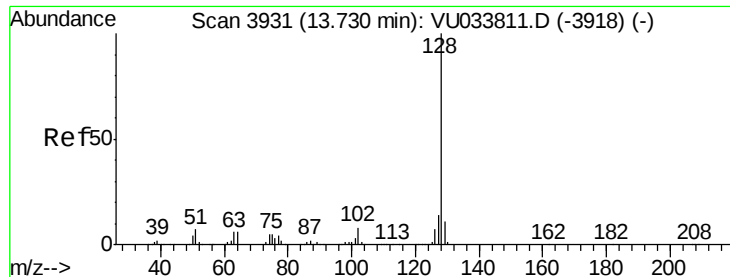
#68
 1,2,4-trichlorobenzene
 Concen: 58.525 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033814.D
 Acq: 15 Aug 2019 16:36

Tgt Ion:	180	Resp:	258788
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	29.3	23.8	35.8



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: 64.227 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

Instrument :

MSVOA_U

ClientSampleId :

VICV33

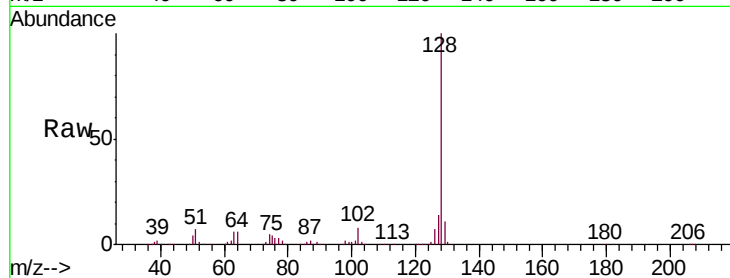
Tgt Ion:128 Resp: 783858

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

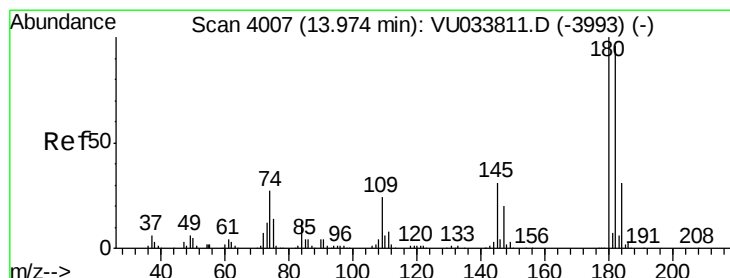
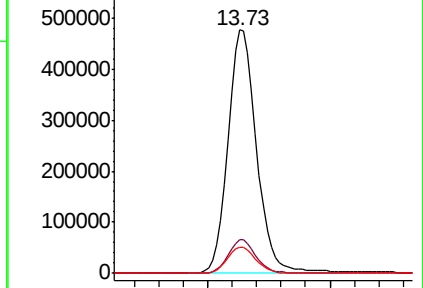
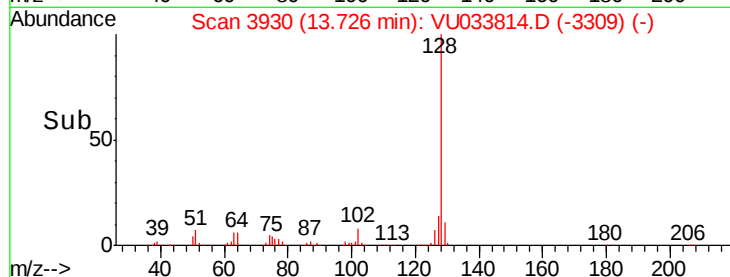
129 10.8 8.6 12.8



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: 59.022 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033814.D

Acq: 15 Aug 2019 16:36

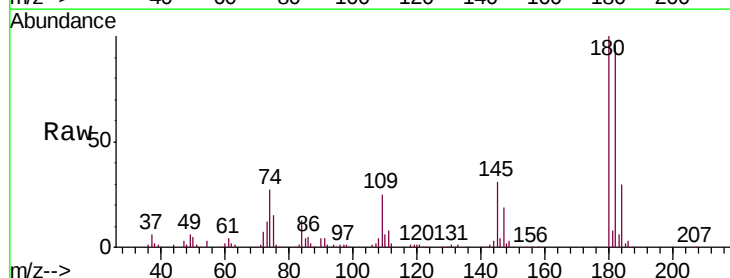
Tgt Ion:180 Resp: 270873

Ion Ratio Lower Upper

180 100

182 95.6 75.9 113.9

145 31.0 24.5 36.7



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

