

Data File : VU033688.D
Acq On : 09 Aug 2019 16:34
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Aug 10 03:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 03:47:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	401520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	383880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	206932	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147768	35.17	ug/L	0.00
7) Chloroethane-d5	1.67	69	155864	43.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	264803	38.87	ug/L	0.00
21) 2-Butanone-d5	4.15	46	289818	96.28	ug/L	0.00
24) Chloroform-d	4.62	84	303217	44.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	191834	43.58	ug/L	0.00
32) Benzene-d6	5.32	84	601530	45.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	193811	46.51	ug/L	0.00
41) Toluene-d8	7.55	98	554542	45.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	97873	47.97	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	224669	107.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	302003	46.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	240684	46.08	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	150577	42.795	ug/L	99
3) Chloromethane	1.32	50	151746	39.684	ug/L	100
5) Vinyl chloride	1.39	62	169571	41.021	ug/L	100
6) Bromomethane	1.62	94	114539	40.672	ug/L	98
8) Chloroethane	1.69	64	115106	43.327	ug/L	99
9) Trichlorofluoromethane	1.87	101	233188	42.421	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	125400	44.182	ug/L	99
12) 1,1-Dichloroethene	2.27	96	119040	43.670	ug/L	100
13) Acetone	2.32	43	151917	70.757	ug/L	99
14) Carbon disulfide	2.46	76	333632	41.295	ug/L	99
15) Methyl Acetate	2.60	43	149783	42.794	ug/L	98
16) Methylene chloride	2.68	84	137729	42.515	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	126808	44.497	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	418450	46.466	ug/L	99
19) 1,1-Dichloroethane	3.42	63	238928	43.234	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	146156	45.432	ug/L	99
22) 2-Butanone	4.24	43	226824	83.762	ug/L	99
23) Bromochloromethane	4.52	128	75779	44.506	ug/L	97
25) Chloroform	4.65	83	247040	42.803	ug/L	99
27) 1,2-Dichloroethane	5.38	62	192936	43.005	ug/L	99
29) Cyclohexane	4.97	56	209189	48.792	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	210686	45.436	ug/L	99
31) Carbon tetrachloride	5.11	117	188396	46.066	ug/L	97
33) Benzene	5.37	78	537954	46.127	ug/L	100
34) Trichloroethene	6.16	95	142374	47.344	ug/L	97
35) Methylcyclohexane	6.40	83	231022	50.409	ug/L	99
37) 1,2-Dichloropropane	6.41	63	143597	45.451	ug/L	99
38) Bromodichloromethane	6.74	83	183496	44.914	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	227483	48.567	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	428782	93.509	ug/L	99

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QLast Update : Sat Aug 10 03:47:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	596019	47.556	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	211164	47.716	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	139132	46.057	ug/L	97
46) Tetrachloroethene	8.21	164	122079	49.746	ug/L	98
48) 2-Hexanone	8.34	43	338419	90.102	ug/L	99
49) Dibromochloromethane	8.46	129	157936	45.928	ug/L	99
50) 1,2-Dibromoethane	8.57	107	154857	47.189	ug/L	99
51) Chlorobenzene	9.10	112	387466	47.011	ug/L	100
52) Ethylbenzene	9.23	91	650676	48.192	ug/L	99
53) m,p-Xylene	9.36	106	249081	48.734	ug/L	95
54) o-xylene	9.76	106	245855	48.458	ug/L	100
55) Styrene	9.77	104	416543	48.355	ug/L	98
56) Isopropylbenzene	10.15	105	644513	49.209	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	246413	44.429	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	192659	44.829	ug/L	99
61) Bromoform	9.94	173	123861	46.057	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	323751	47.836	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	328816	46.976	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	320114	46.824	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	57609	45.133	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	261384	50.561	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	240538	55.216	ug/L	98
69) Naphthalene	13.73	128	720076	56.448	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	244457	54.144	ug/L	98

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

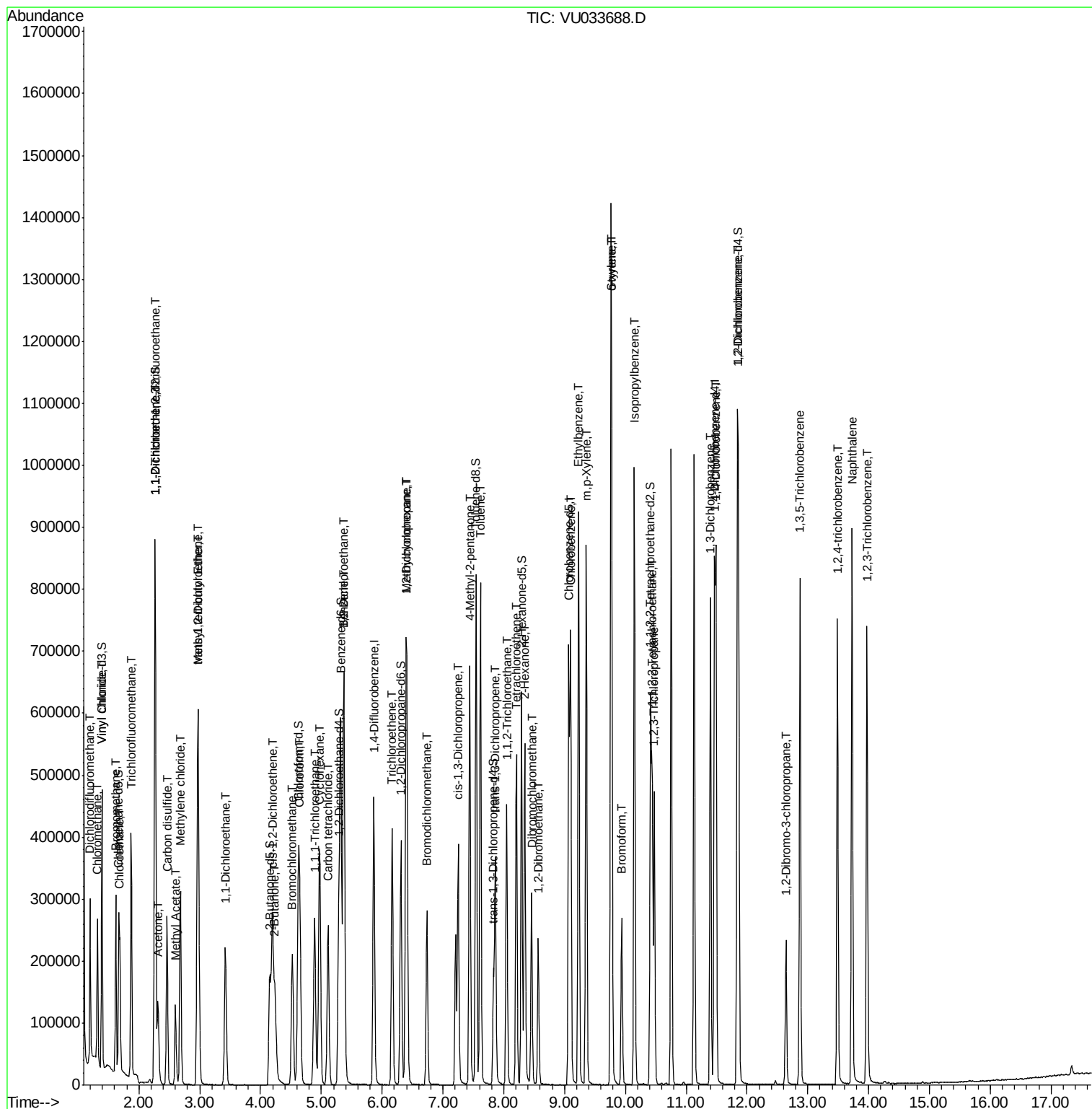
Quant Time: Aug 10 03:51:56 2019

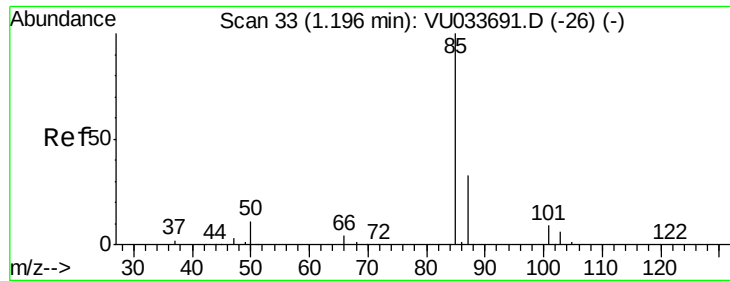
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM080919WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Aug 10 03:47:49 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 42.795 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

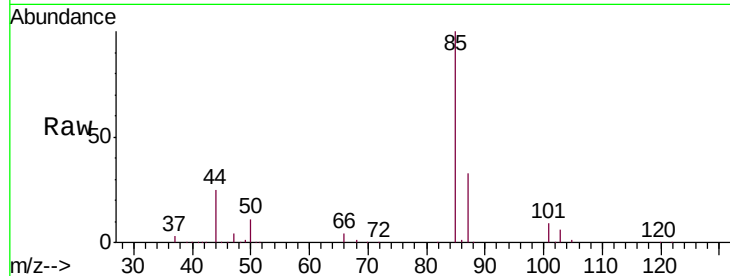
VSTDCCC050

Tgt Ion: 85 Resp: 150577

Ion Ratio Lower Upper

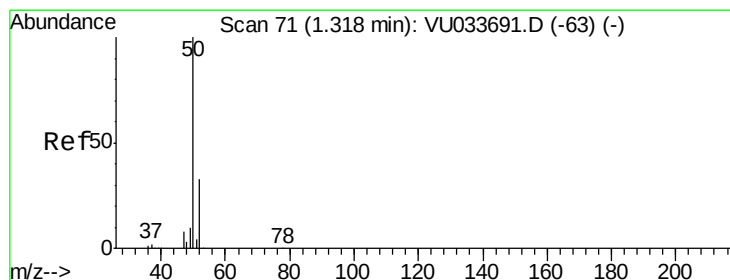
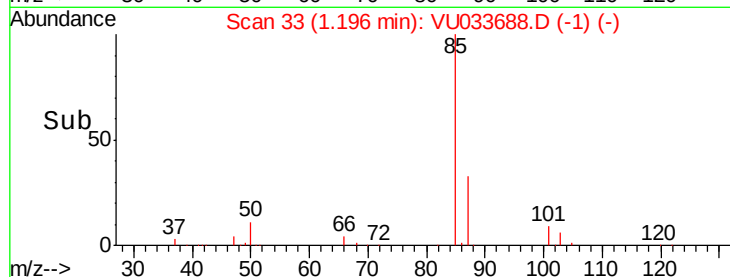
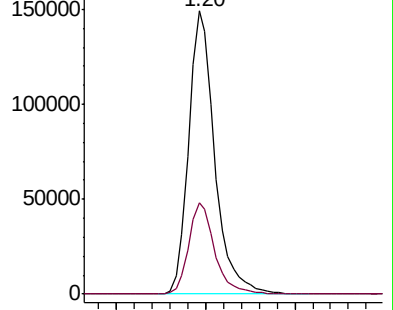
85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033691.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033691.D (-26) (-)



#3

Chloromethane

Concen: 39.684 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033688.D

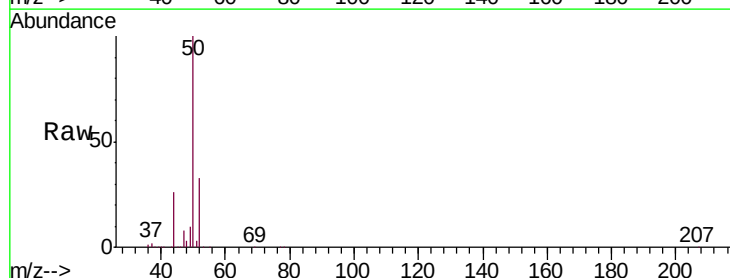
Acq: 09 Aug 2019 16:34

Tgt Ion: 50 Resp: 151746

Ion Ratio Lower Upper

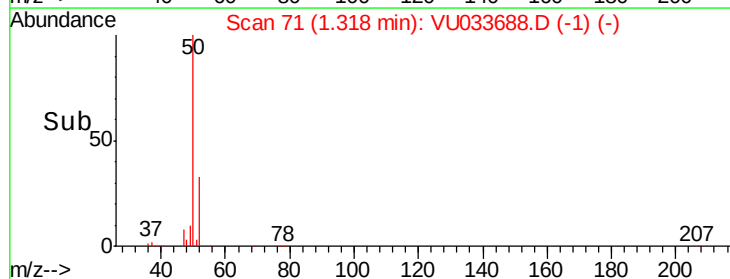
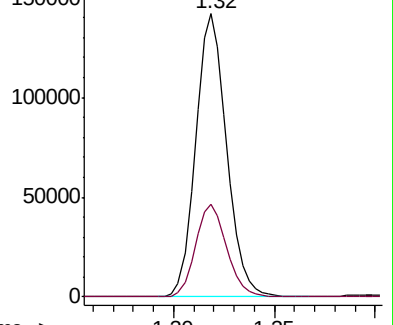
50 100

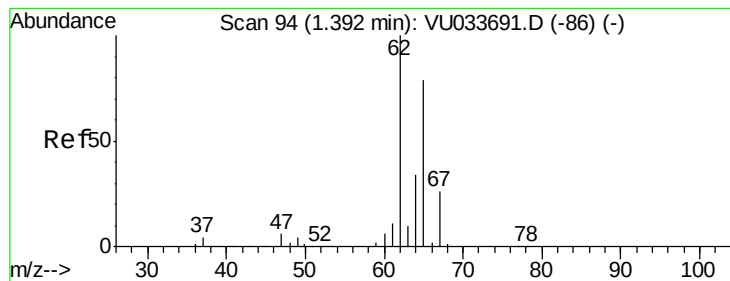
52 32.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033691.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033691.D (-63) (-)





#5

Vinyl chloride

Concen: 41.021 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

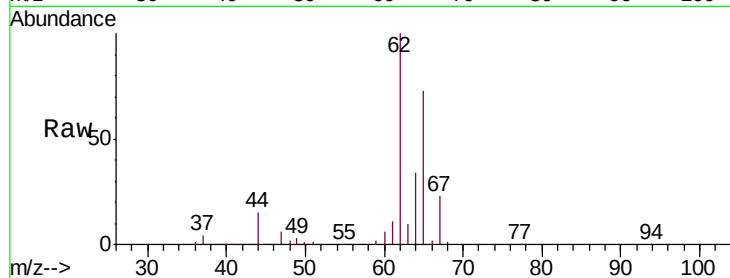
VSTDCCC050

Tgt Ion: 62 Resp: 169571

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033691.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033691.D (-86) (-)

1.39

150000

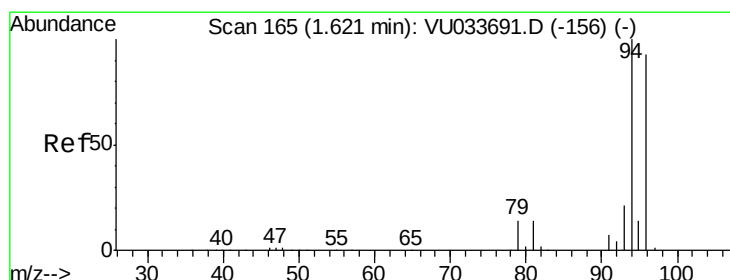
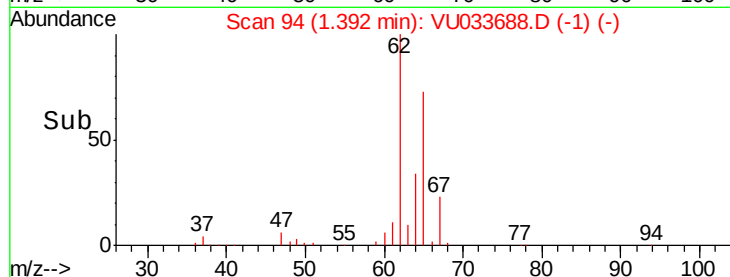
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 40.672 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033688.D

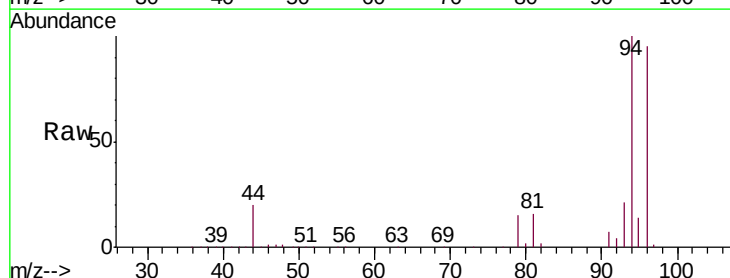
Acq: 09 Aug 2019 16:34

Tgt Ion: 94 Resp: 114539

Ion Ratio Lower Upper

94 100

96 94.5 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU033691.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033691.D (-156) (-)

1.62

120000

100000

80000

60000

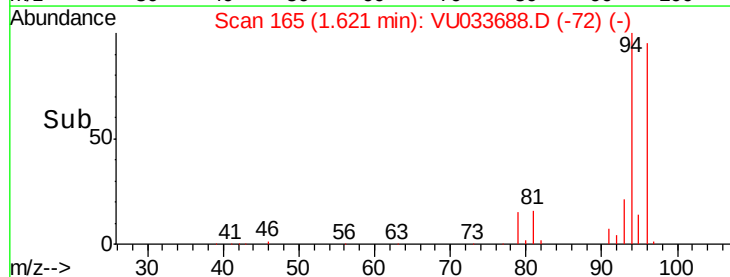
40000

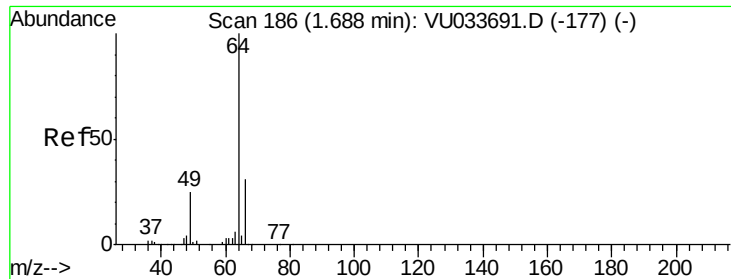
20000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 43.327 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

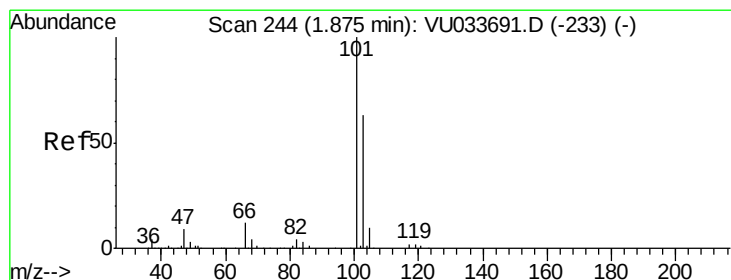
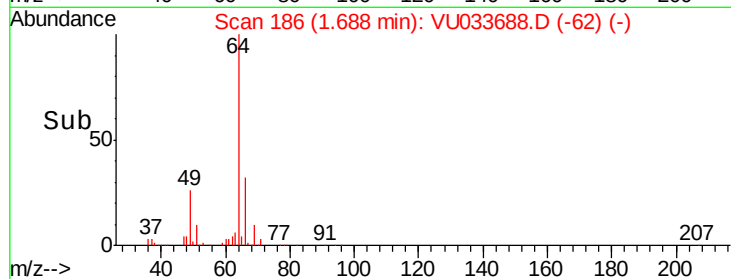
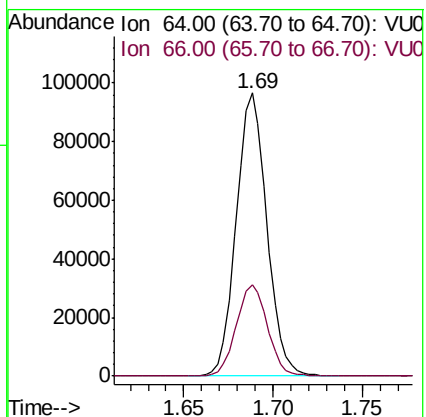
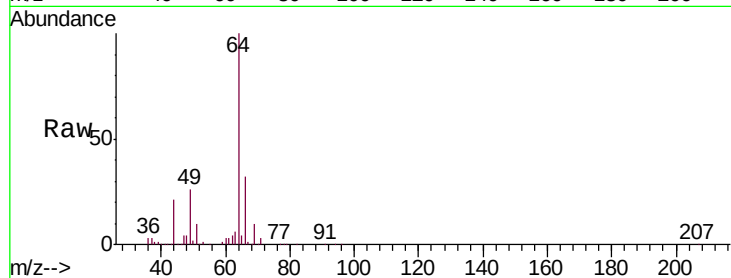
VSTDCCC050

Tgt Ion: 64 Resp: 115106

Ion Ratio Lower Upper

64 100

66 32.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 42.421 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033688.D

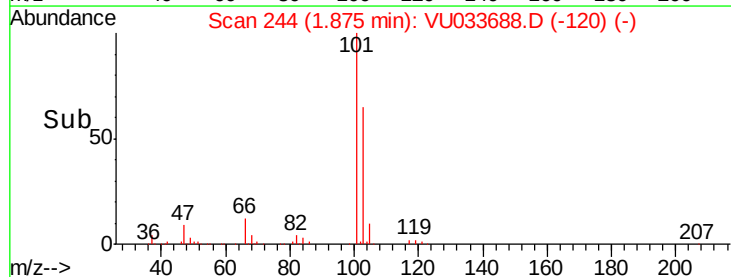
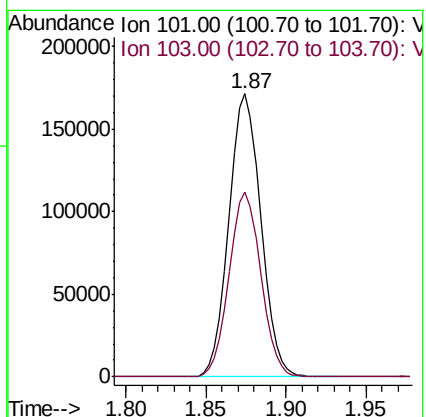
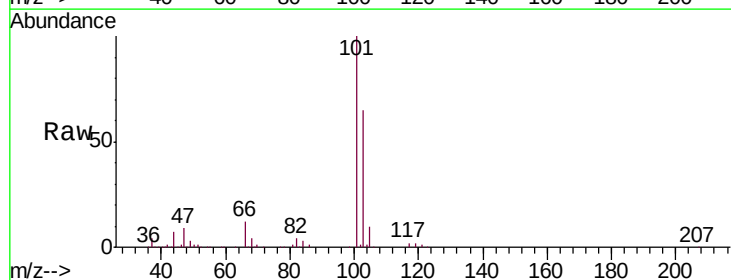
Acq: 09 Aug 2019 16:34

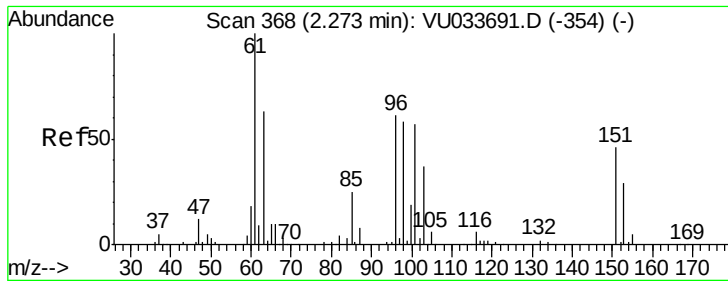
Tgt Ion: 101 Resp: 233188

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.6





#10

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

Concen: 44.182 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

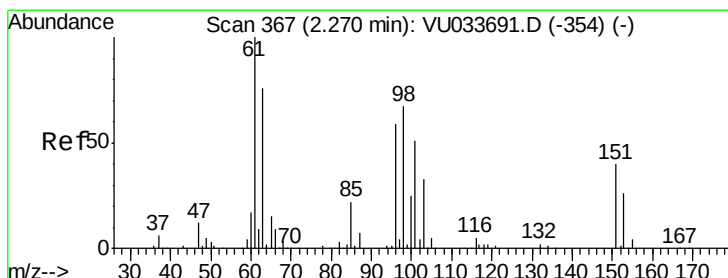
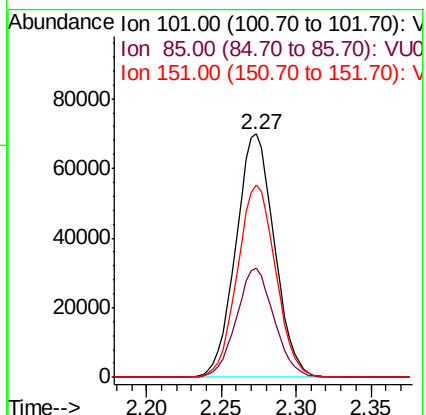
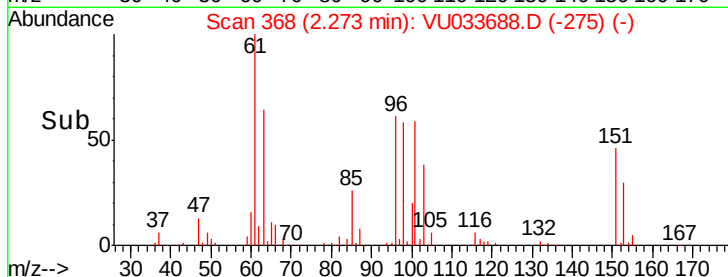
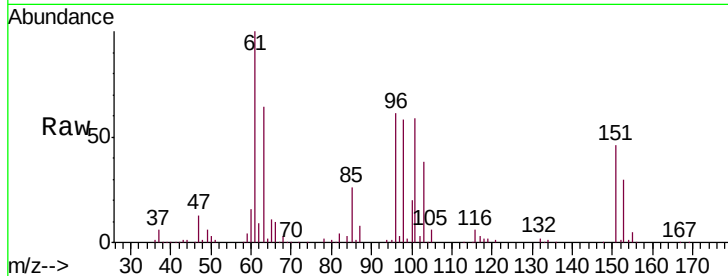
Tgt Ion: 101 Resp: 125400

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

151 78.3 63.0 94.4



#12

1,1-Dichloroethene

Concen: 43.670 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

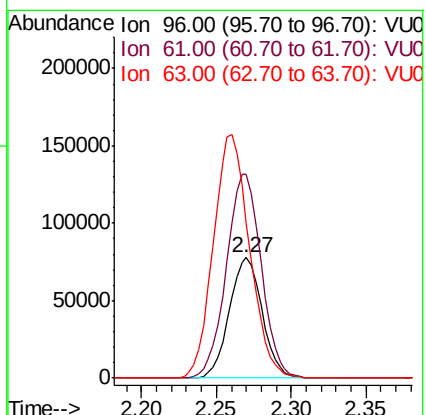
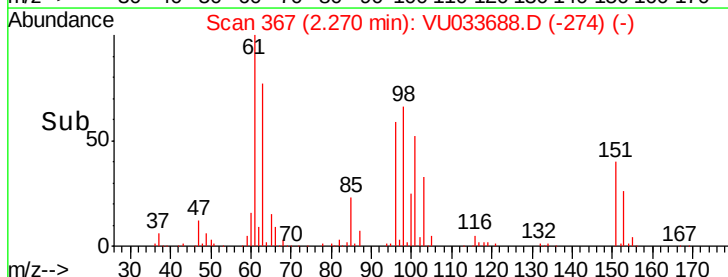
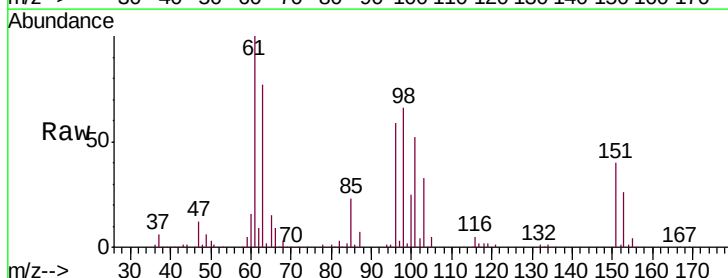
Tgt Ion: 96 Resp: 119040

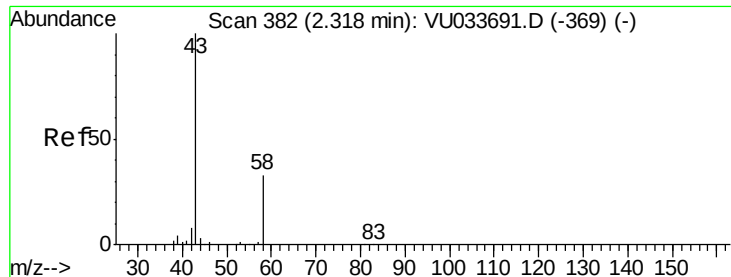
Ion Ratio Lower Upper

96 100

61 168.7 118.2 219.6

63 129.1 90.7 168.5





#13

Acetone

Concen: 70.757 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU033688.D

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Instrument :

MSVOA_U

ClientSampleId :

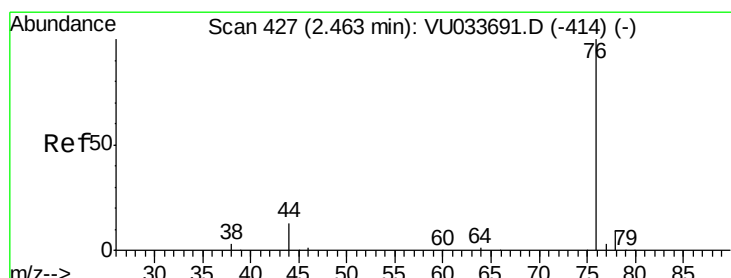
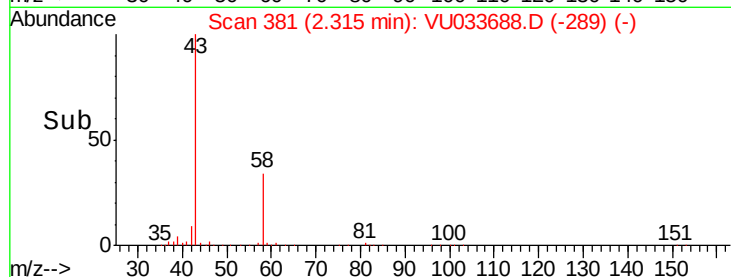
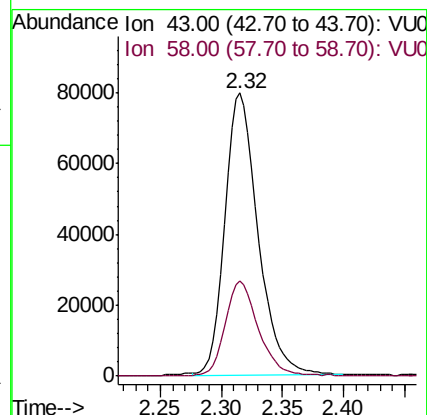
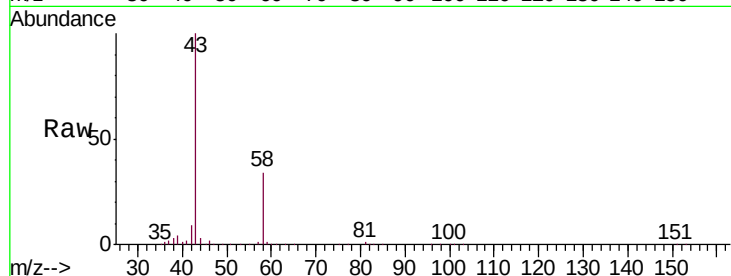
VSTDCCC050

Tgt Ion: 43 Resp: 151917

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.6



#14

Carbon disulfide

Concen: 41.295 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033688.D

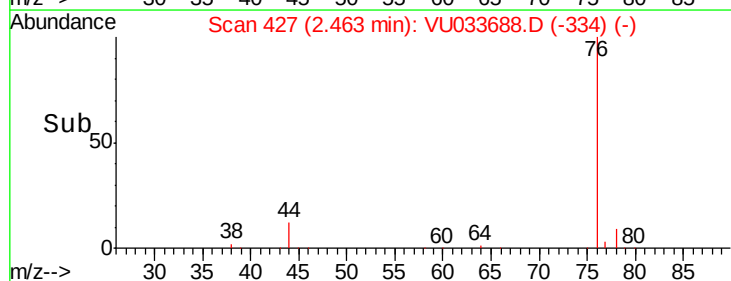
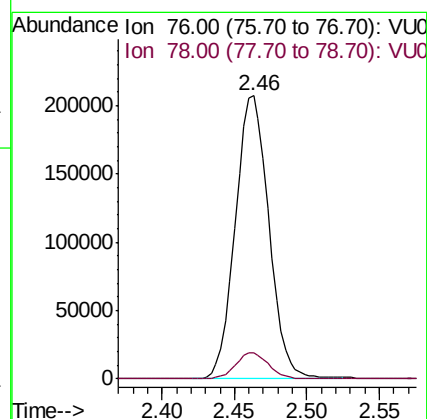
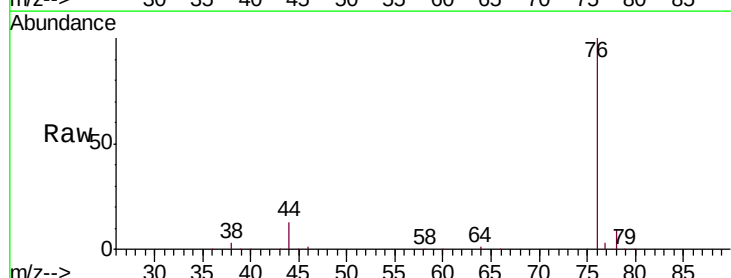
Acq: 09 Aug 2019 16:34

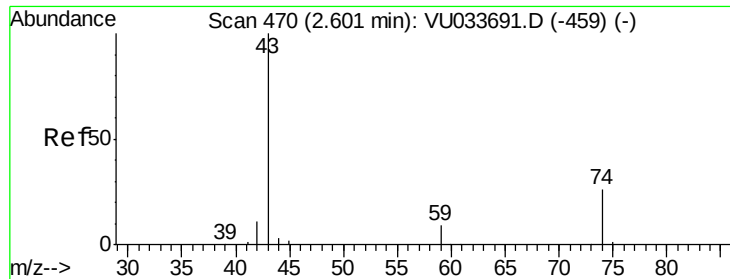
Tgt Ion: 76 Resp: 333632

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

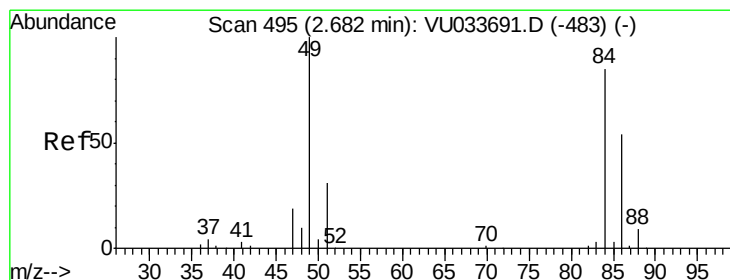
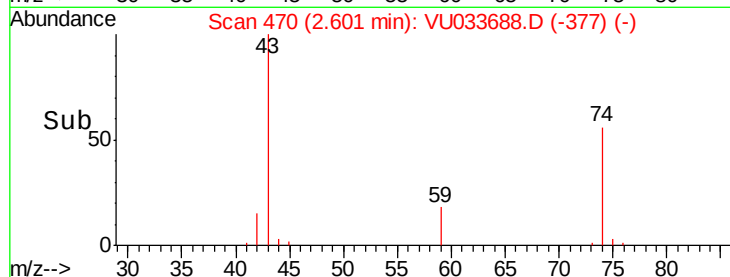
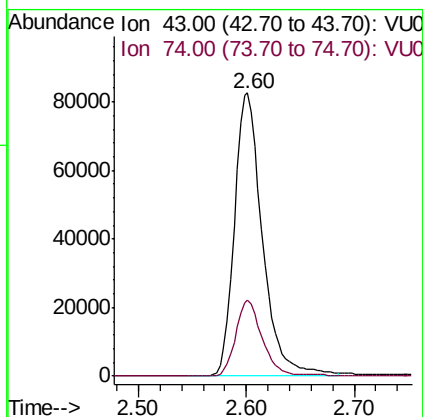
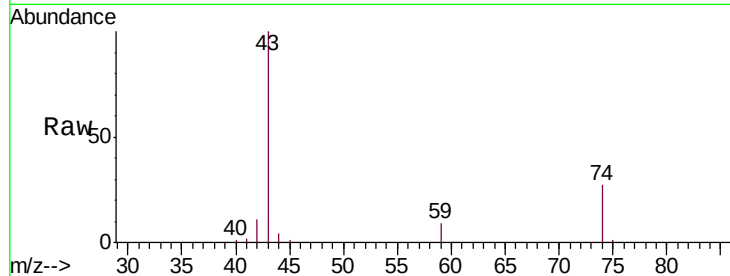




#15
Methyl Acetate
Concen: 42.794 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

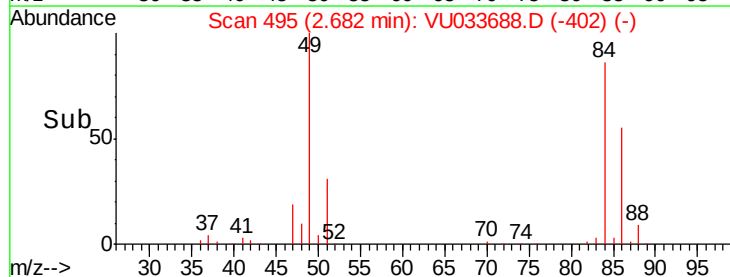
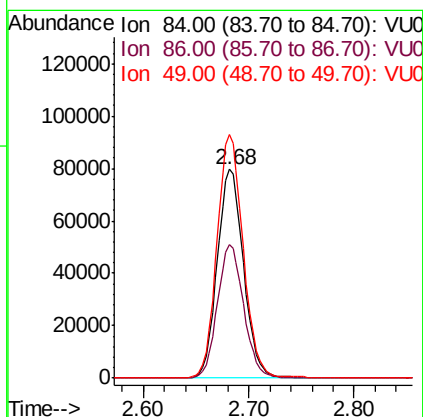
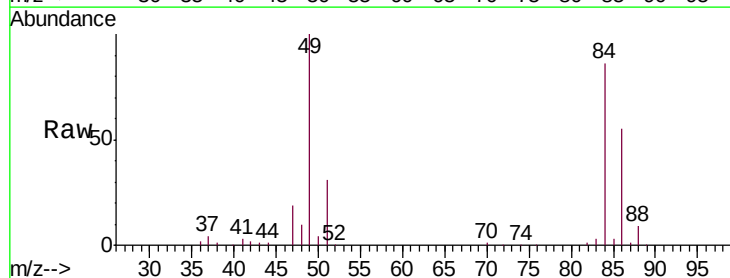
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

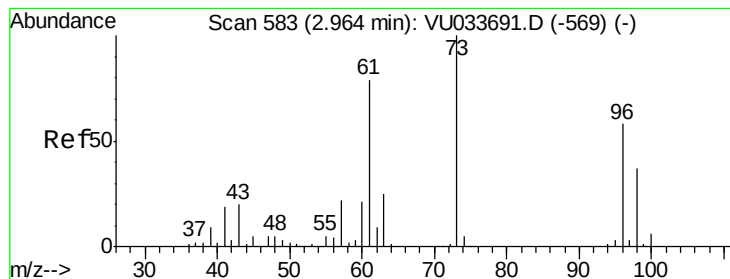
Tgt Ion: 43 Resp: 149783
Ion Ratio Lower Upper
43 100
74 25.2 20.8 31.2



#16
Methylene chloride
Concen: 42.515 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion: 84 Resp: 137729
Ion Ratio Lower Upper
84 100
86 63.8 44.3 82.3
49 116.6 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 44.497 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

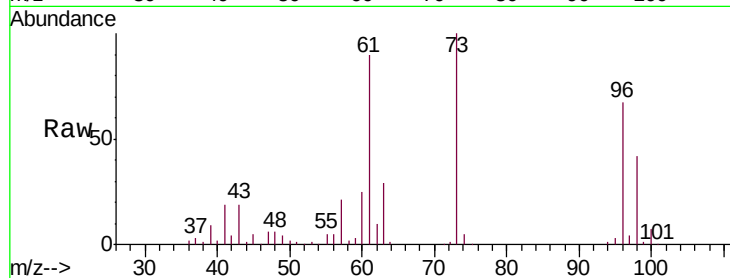
Tgt Ion: 96 Resp: 126808

Ion Ratio Lower Upper

96 100

61 135.7 95.6 177.6

98 62.7 44.6 82.8

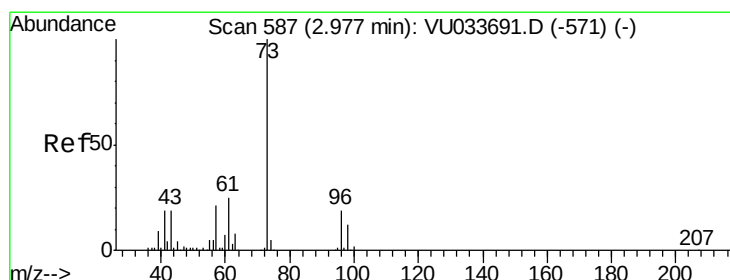
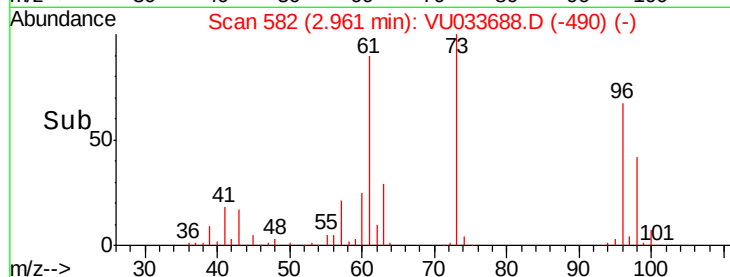
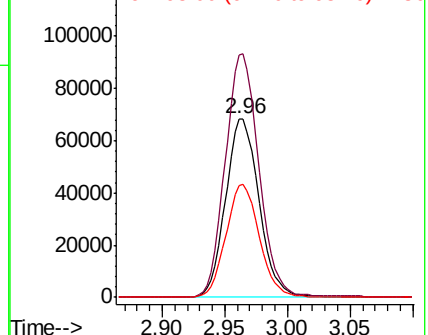


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 46.466 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

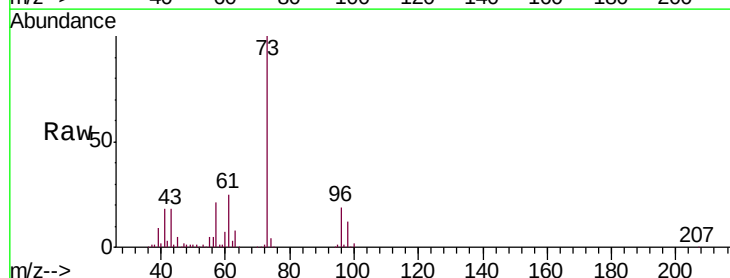
Tgt Ion: 73 Resp: 418450

Ion Ratio Lower Upper

73 100

43 18.6 15.1 22.7

57 21.1 17.4 26.0

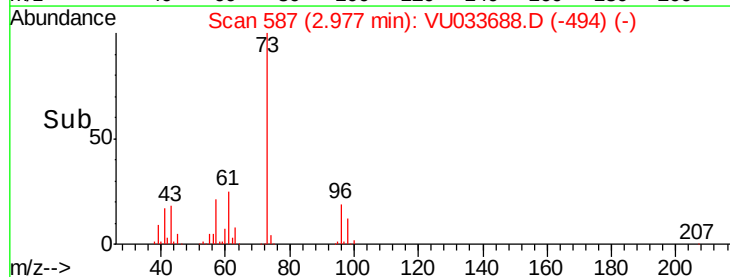
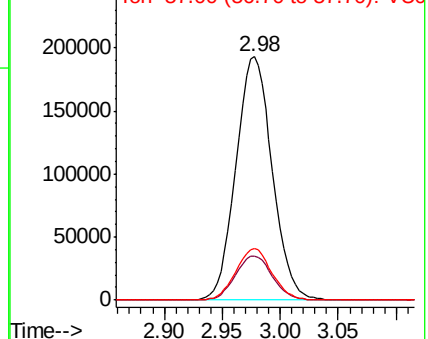


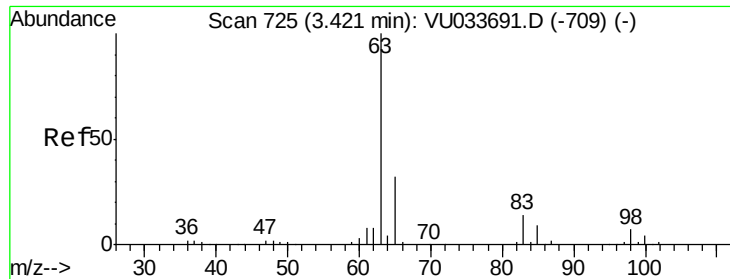
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

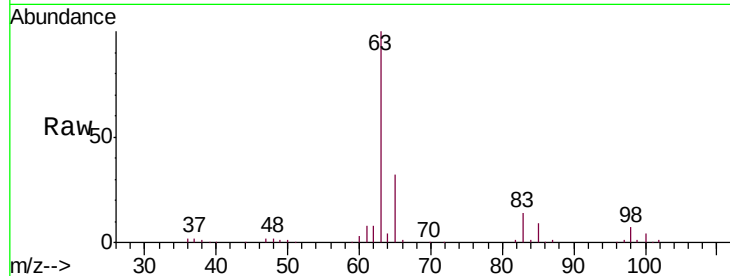




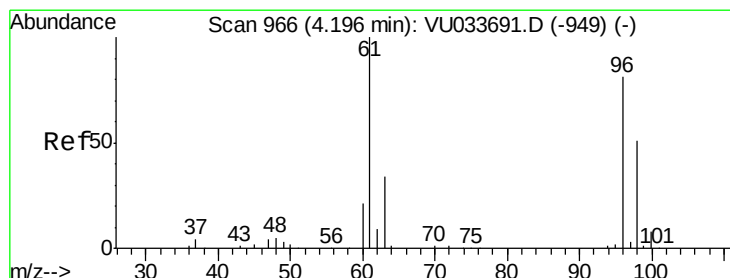
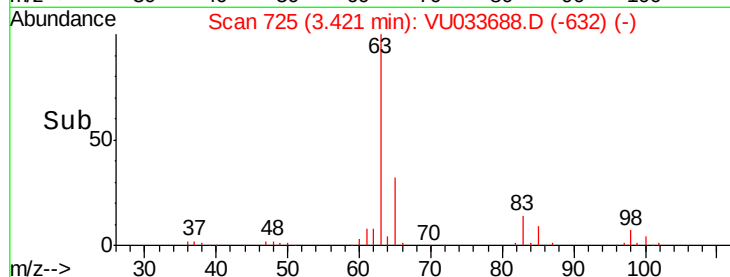
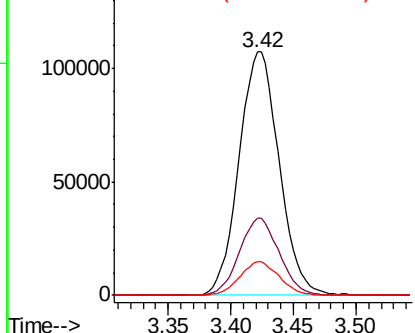
#19
 1,1-Dichloroethane
 Concen: 43.234 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 238928
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 14.0 9.7 18.1

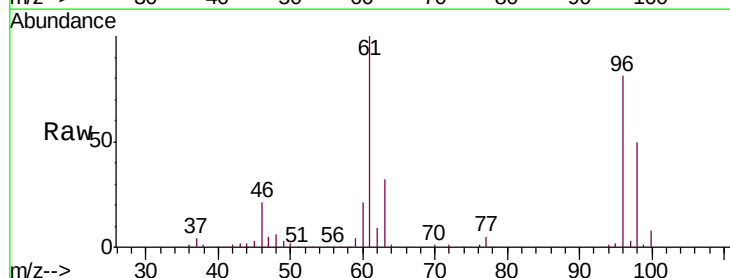


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

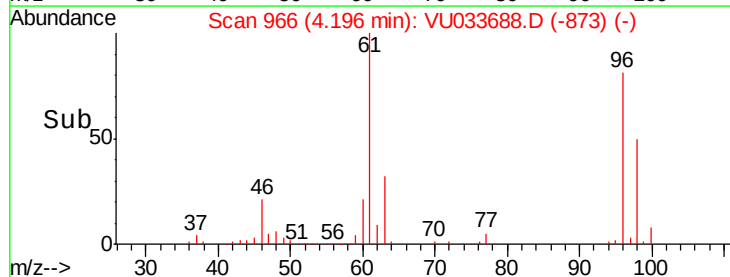
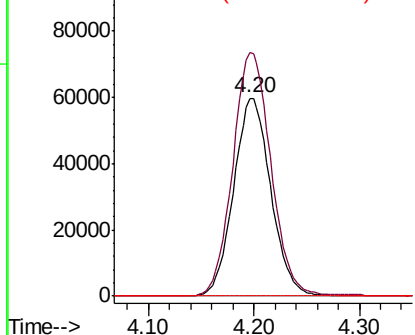


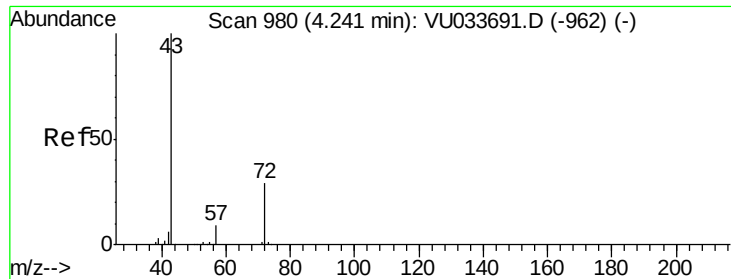
#20
 cis-1,2-Dichloroethene
 Concen: 45.432 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion: 96 Resp: 146156
 Ion Ratio Lower Upper
 96 100
 61 123.2 87.0 161.6
 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: 83.762 ug/L

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

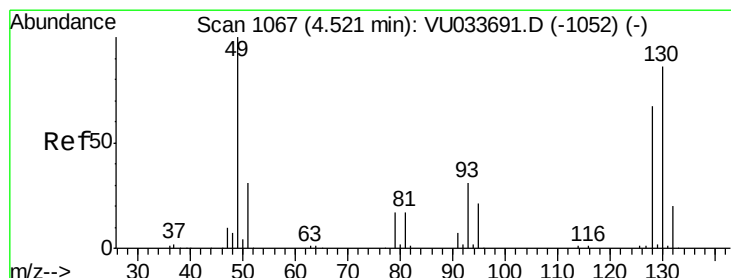
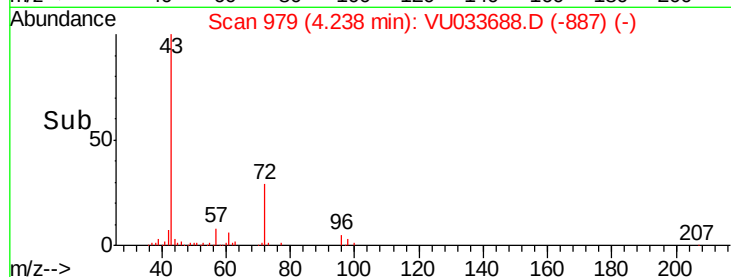
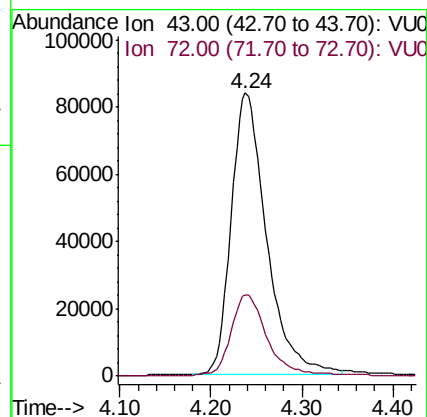
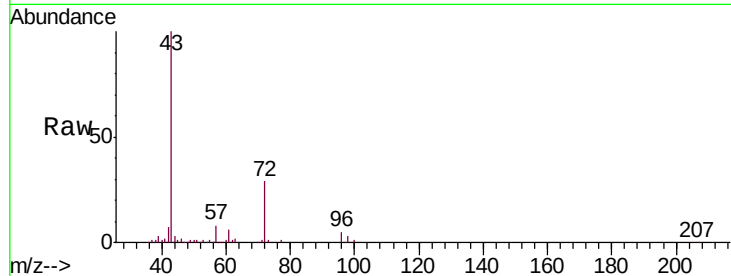
VSTDCCC050

Tgt Ion: 43 Resp: 226824

Ion Ratio Lower Upper

43 100

72 30.0 15.2 45.6



#23

Bromochloromethane

Concen: 44.506 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Tgt Ion: 128 Resp: 75779

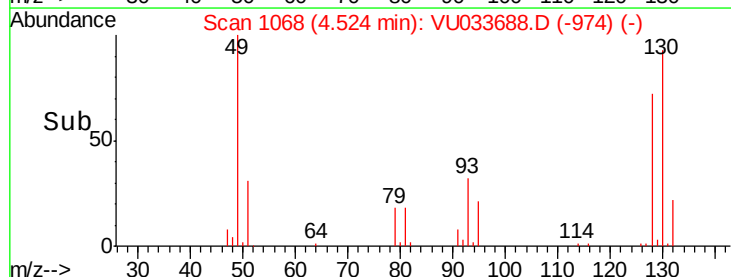
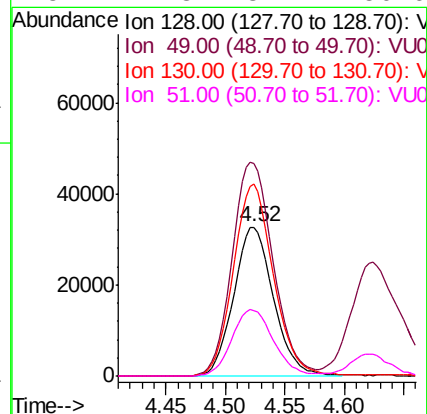
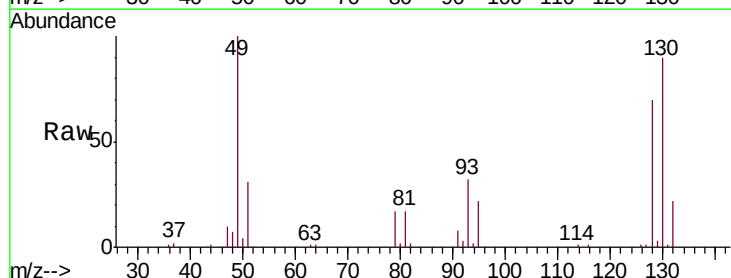
Ion Ratio Lower Upper

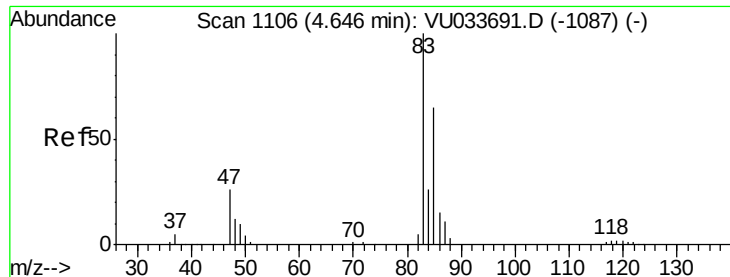
128 100

49 142.8 104.7 194.4

130 129.0 89.6 166.4

51 44.3 37.4 56.0

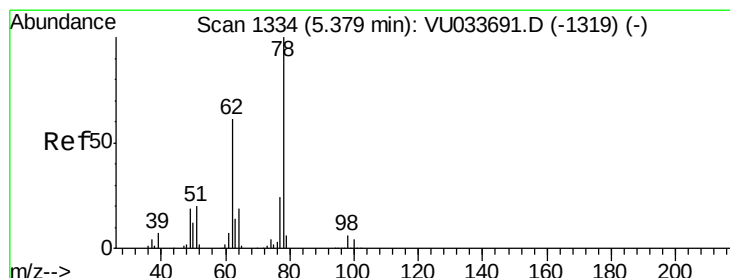
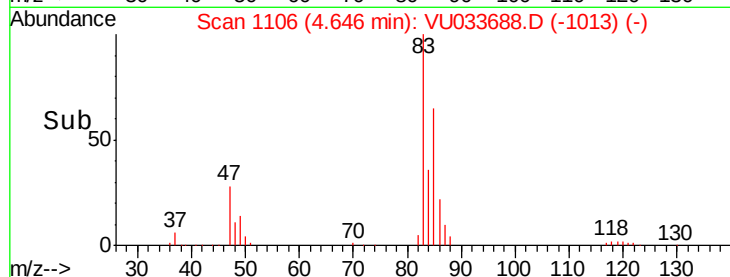
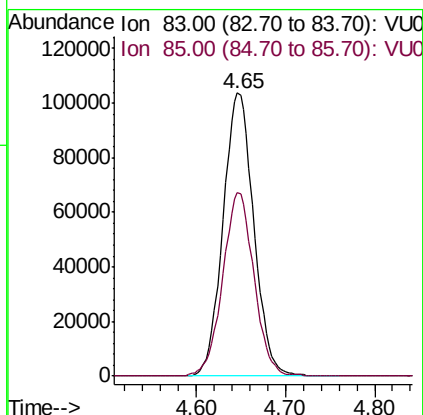
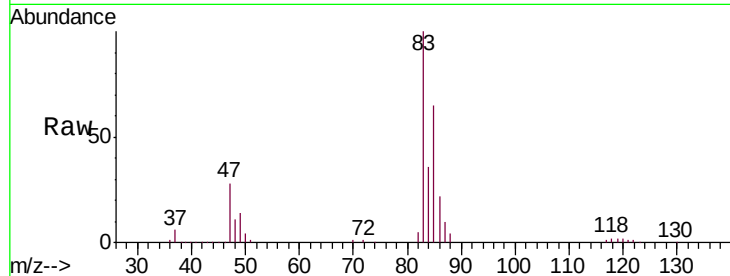




#25
Chloroform
Concen: 42.803 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

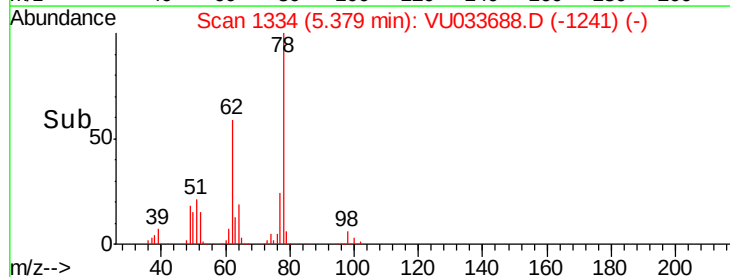
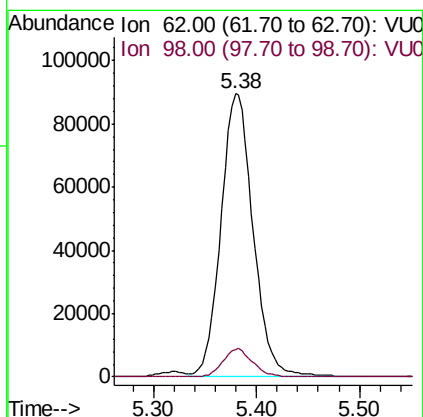
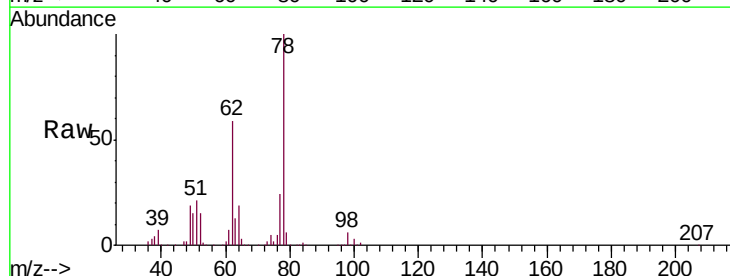
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

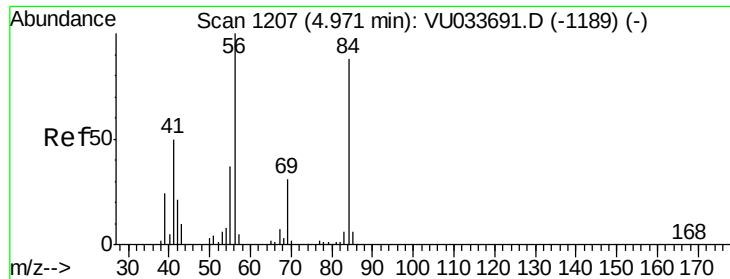
Tgt Ion: 83 Resp: 247040
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 43.005 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion: 62 Resp: 192936
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.2

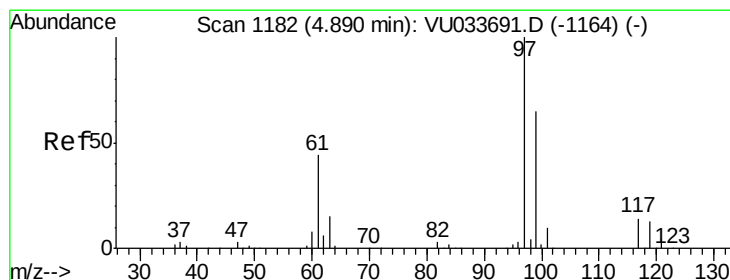
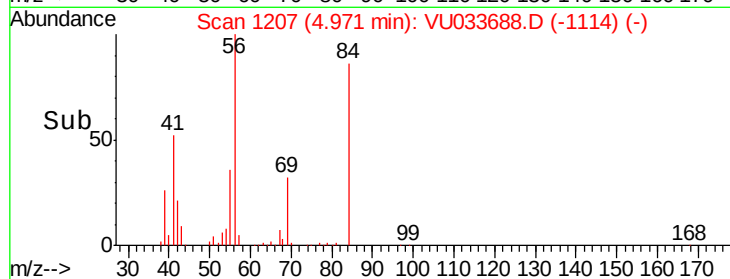
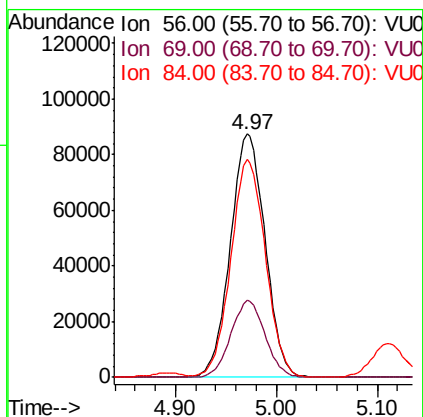
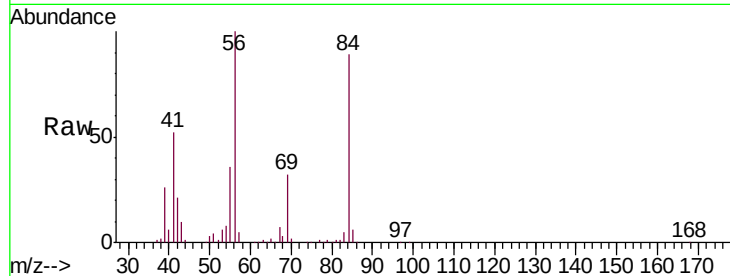




#29
Cyclohexane
Concen: 48.792 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

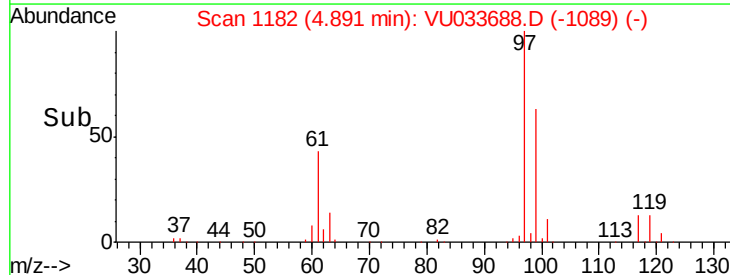
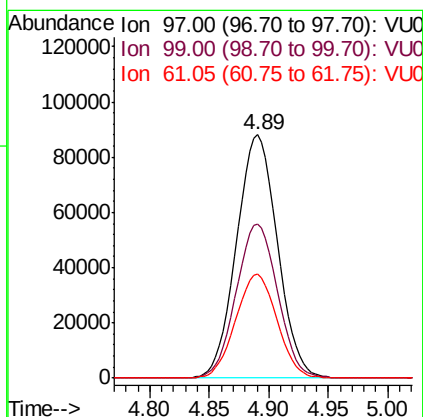
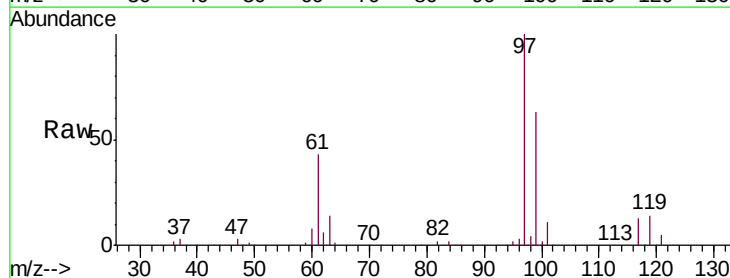
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

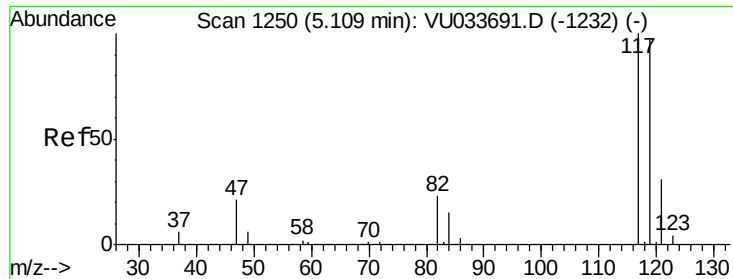
Tgt Ion: 56 Resp: 209189
Ion Ratio Lower Upper
56 100
69 31.1 25.3 37.9
84 88.9 71.8 107.8



#30
1,1,1-Trichloroethane
Concen: 45.436 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion: 97 Resp: 210686
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 43.0 35.0 52.4

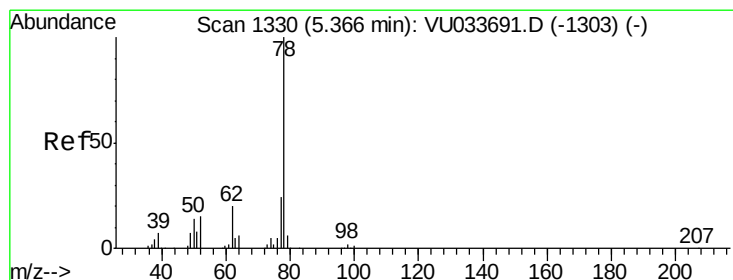
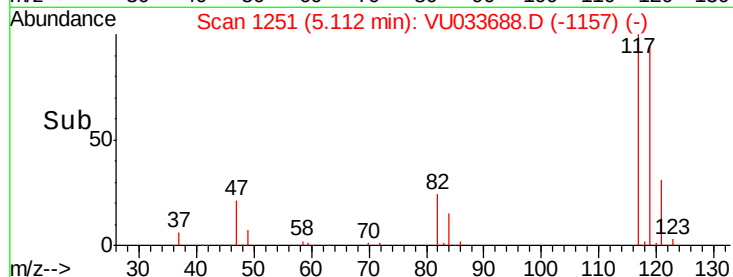
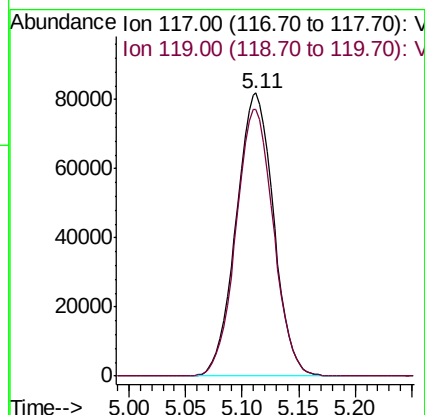
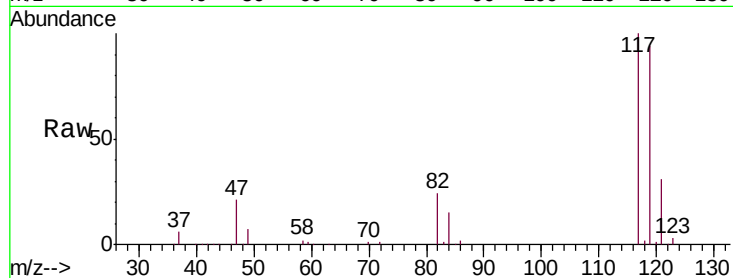




#31
Carbon tetrachloride
Concen: 46.066 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

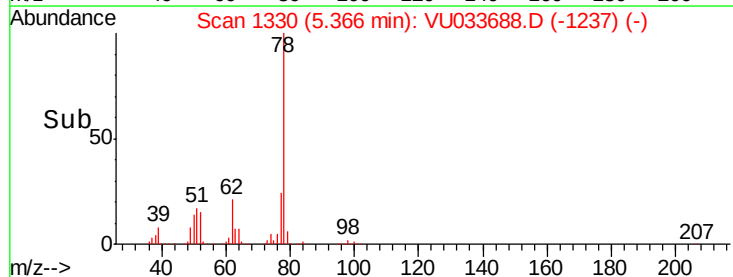
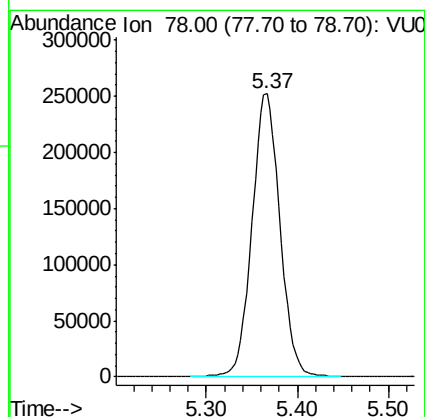
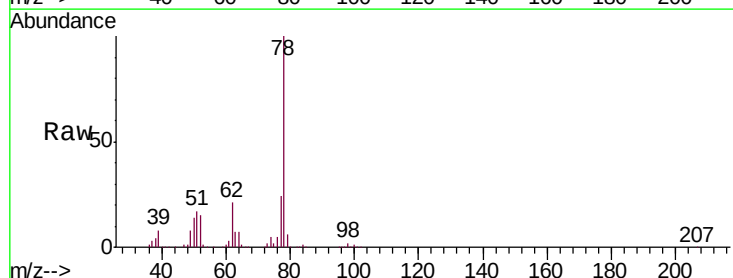
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

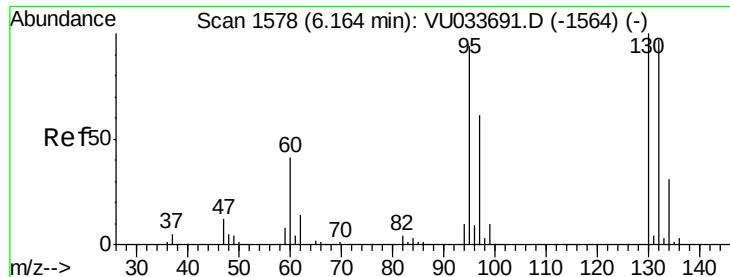
Tgt Ion:117 Resp: 188396
Ion Ratio Lower Upper
117 100
119 94.5 78.2 117.4



#33
Benzene
Concen: 46.127 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion: 78 Resp: 537954





#34

Trichloroethene

Concen: 47.344 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 95 Resp: 142374

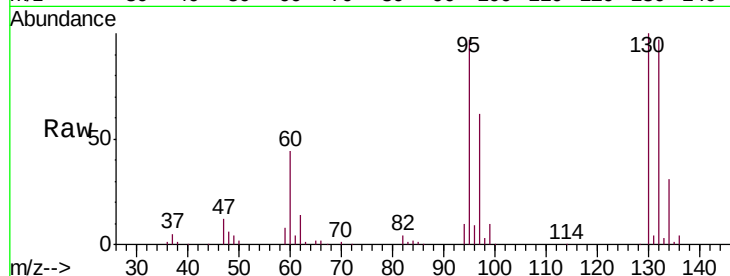
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.8

132 99.2 72.0 133.8

130 102.6 74.3 138.1

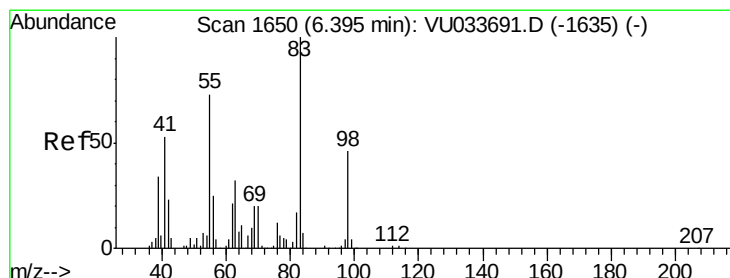
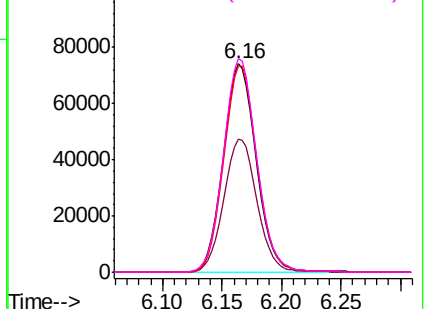
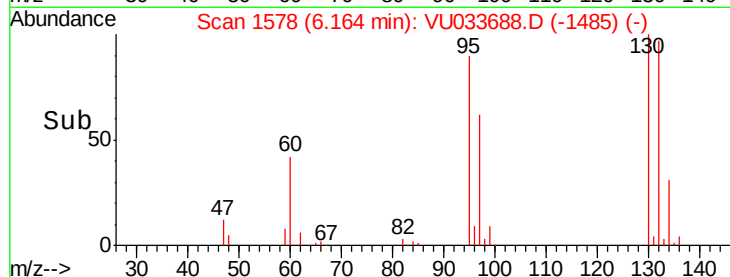


Abundance Ion 95.00 (94.70 to 95.70): VU033691.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU033691.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU033691.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU033691.D (-1564) (-)



#35

Methylcyclohexane

Concen: 50.409 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

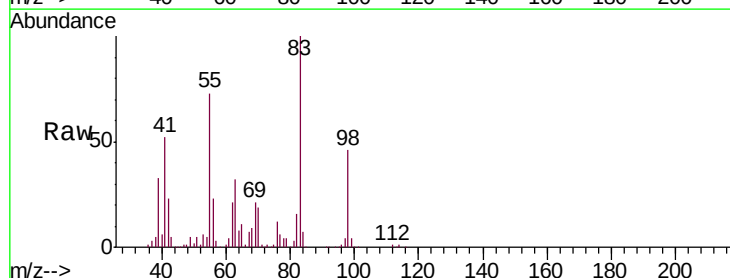
Tgt Ion: 83 Resp: 231022

Ion Ratio Lower Upper

83 100

55 71.8 58.1 87.1

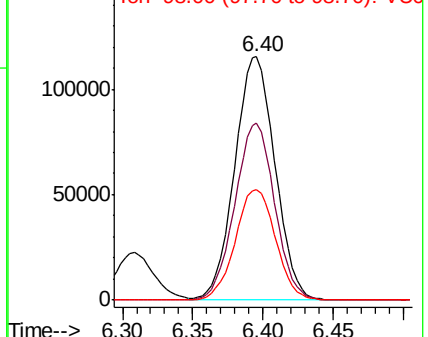
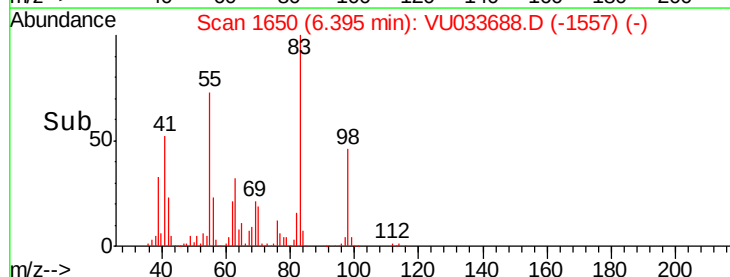
98 45.5 36.8 55.2

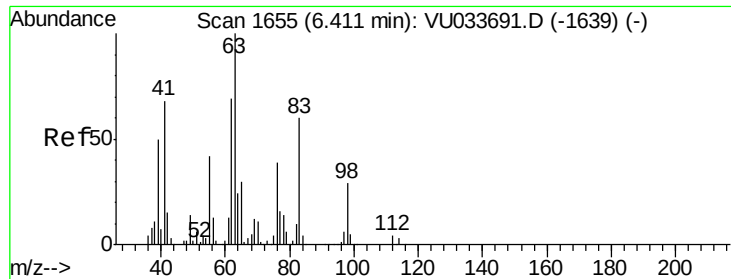


Abundance Ion 83.00 (82.70 to 83.70): VU033691.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU033691.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU033691.D (-1635) (-)

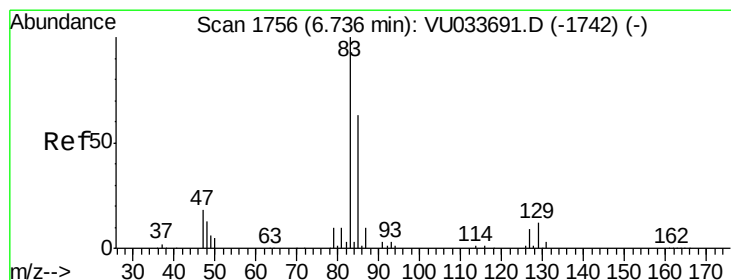
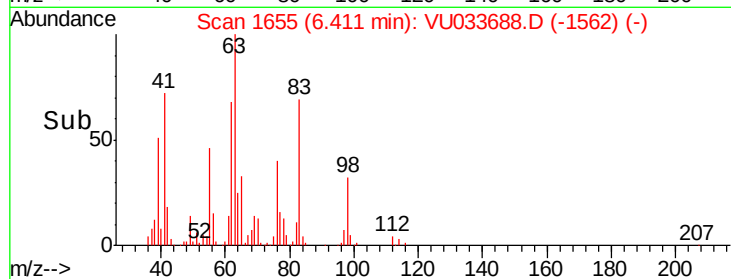
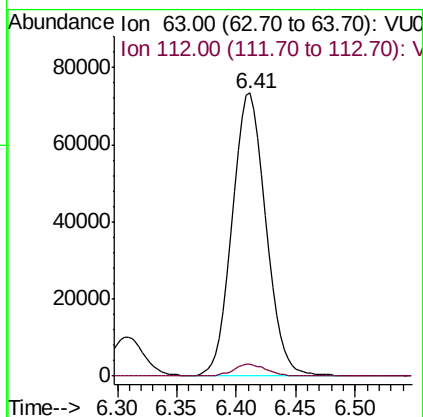
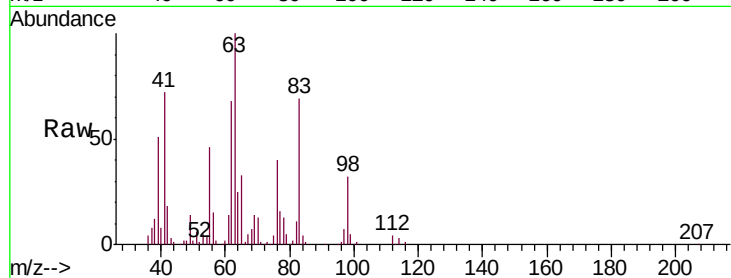




#37
 1,2-Dichloropropane
 Concen: 45.451 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

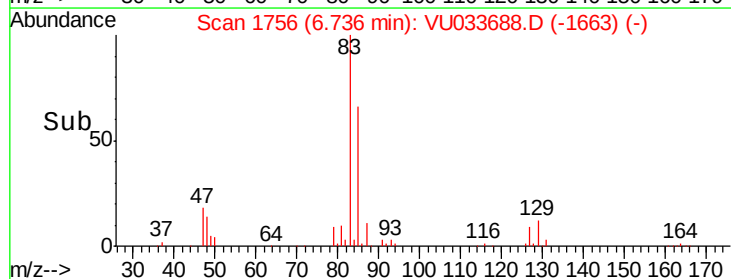
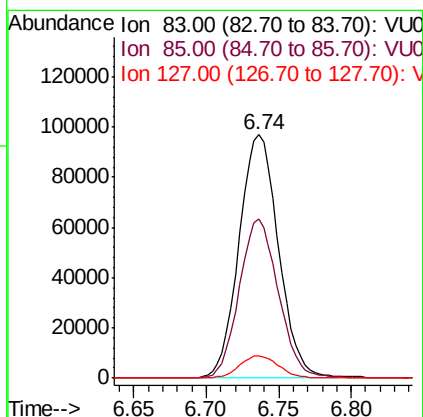
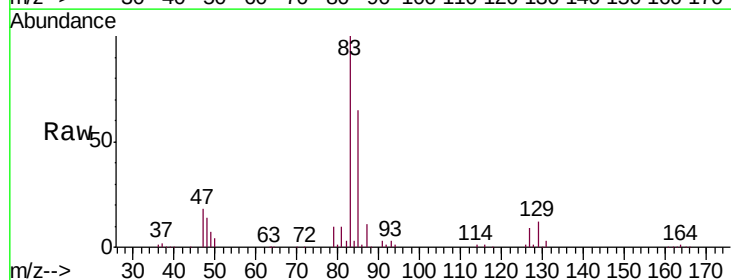
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

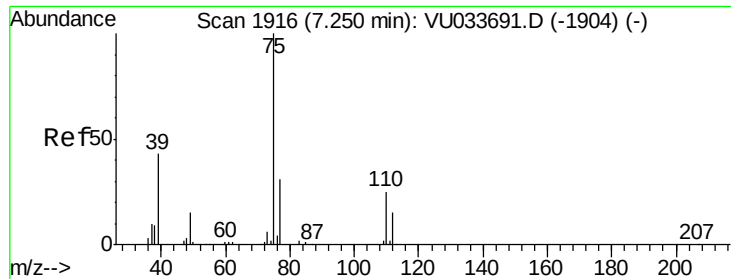
Tgt Ion: 63 Resp: 143597
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 44.914 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion: 83 Resp: 183496
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.2 82.0
 127 9.1 6.8 10.2

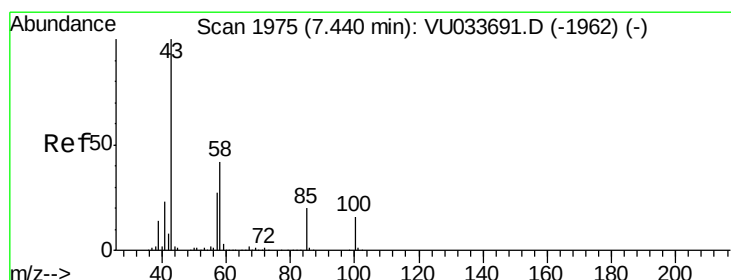
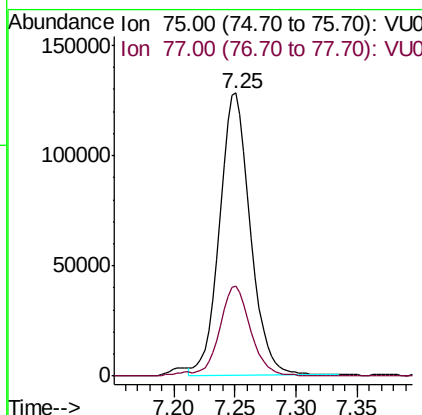
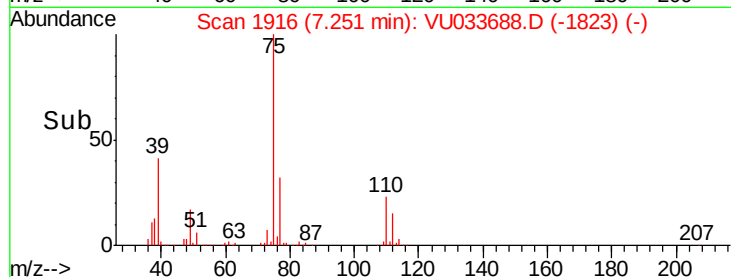
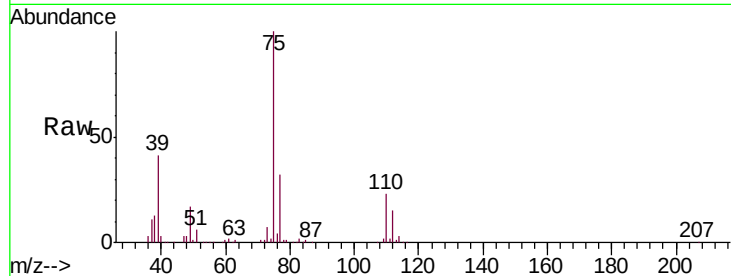




#39
 cis-1,3-Dichloropropene
 Concen: 48.567 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

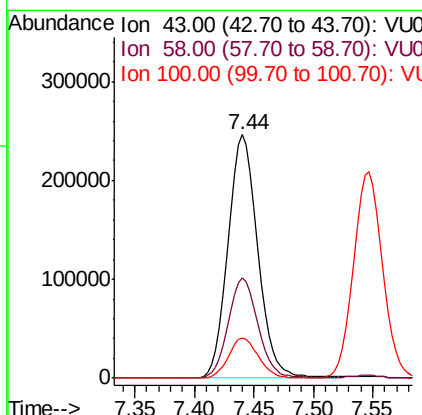
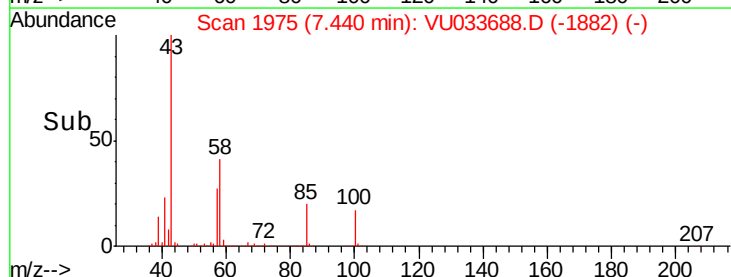
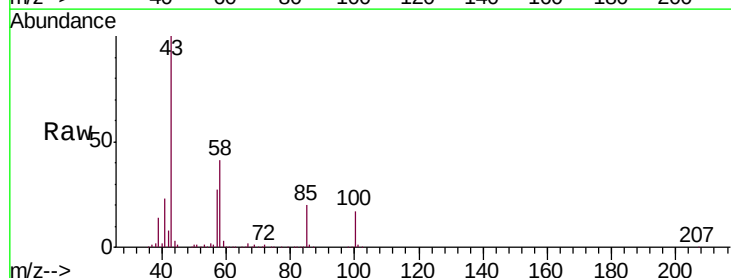
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

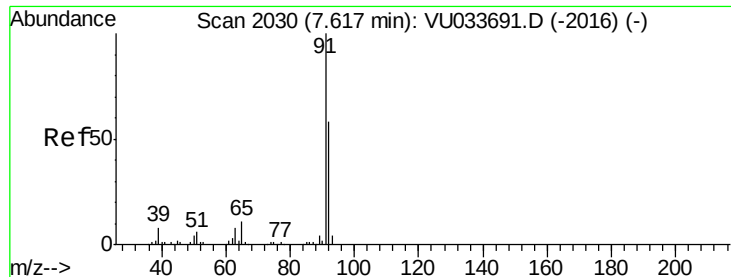
Tgt Ion: 75 Resp: 227483
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 93.509 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion: 43 Resp: 428782
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.4 50.0
 100 16.5 13.2 19.8





#42

Toluene

Concen: 47.556 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

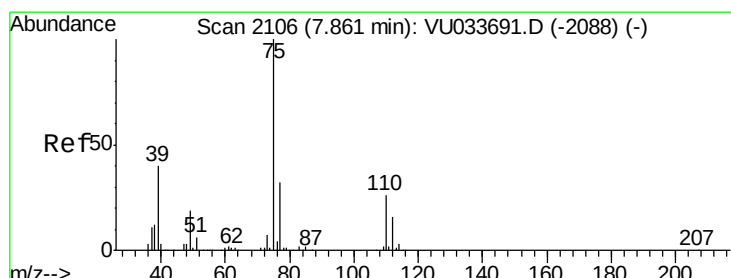
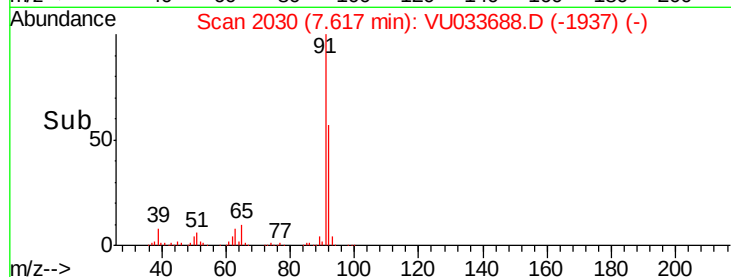
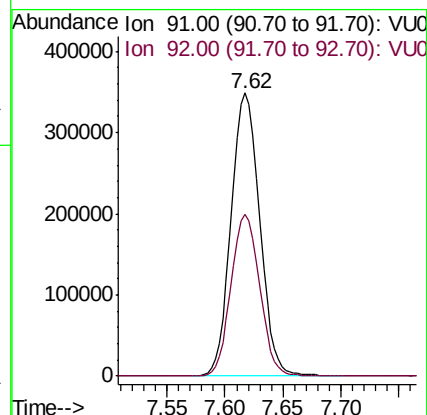
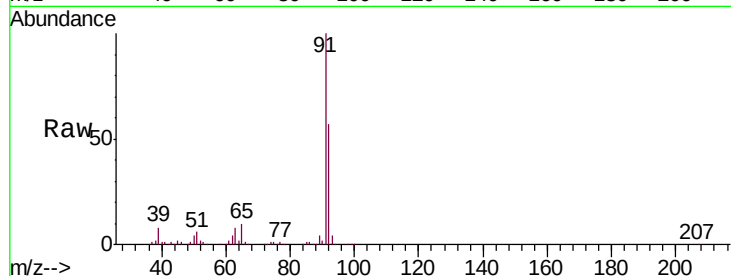
VSTDCCC050

Tgt Ion: 91 Resp: 596019

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 47.716 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033688.D

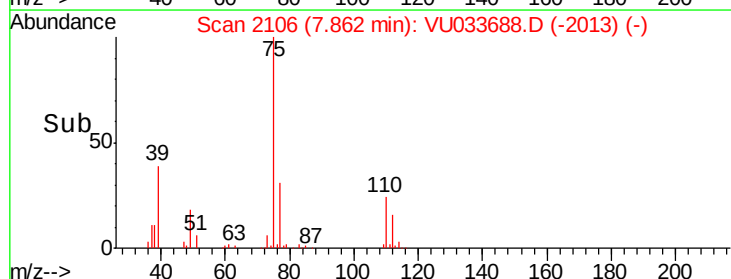
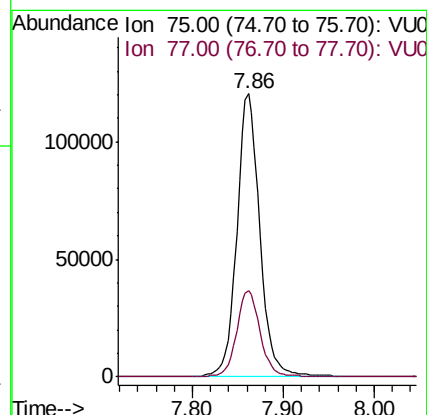
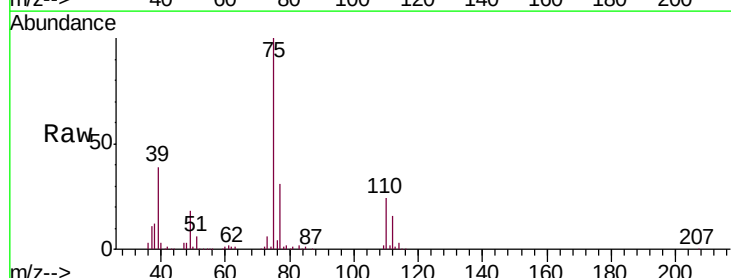
Acq: 09 Aug 2019 16:34

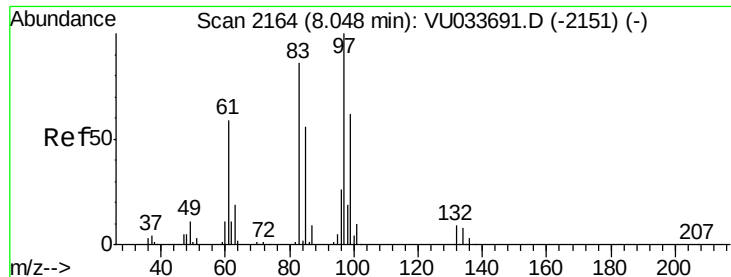
Tgt Ion: 75 Resp: 211164

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6

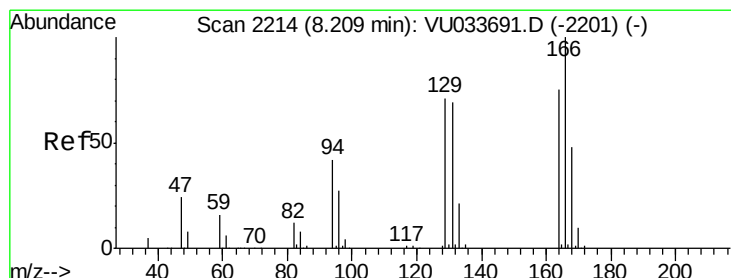
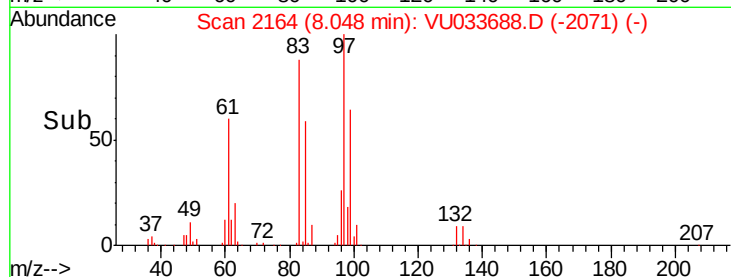
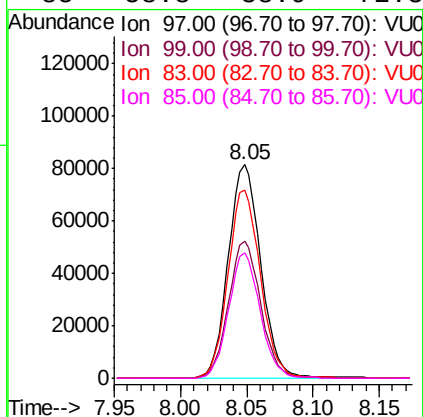
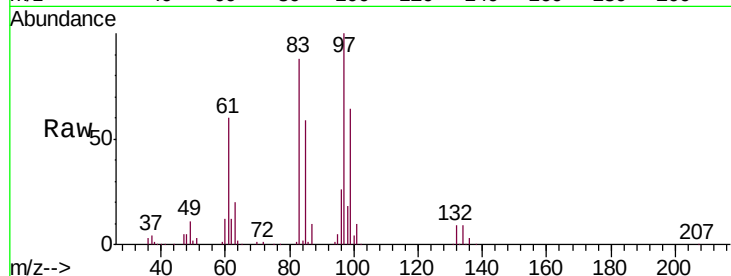




#45
 1,1,2-Trichloroethane
 Concen: 46.057 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

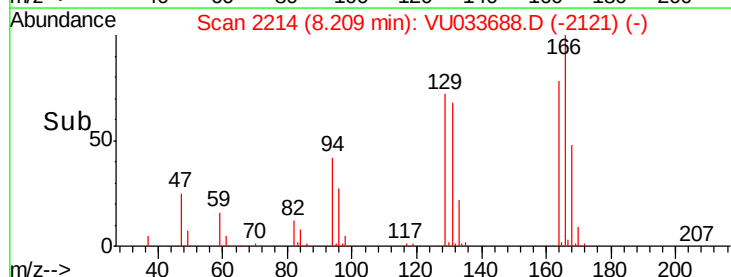
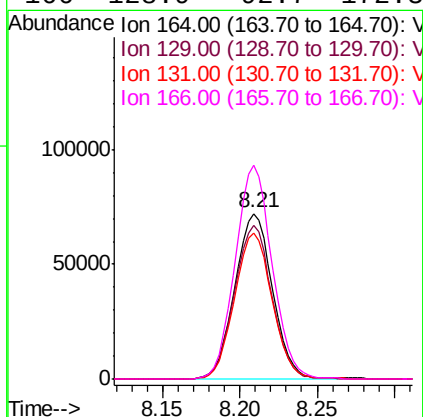
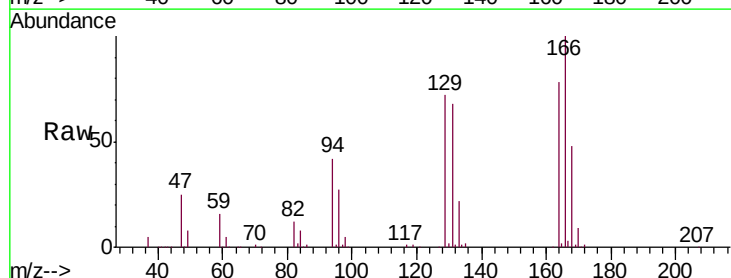
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

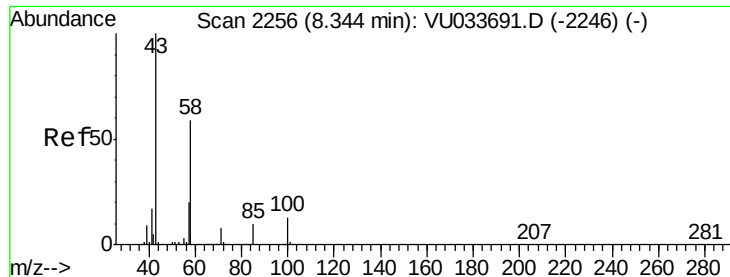
Tgt Ion:	97	Resp:	139132
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.3	80.5
83	88.1	60.5	112.5
85	58.8	38.9	72.3



#46
 Tetrachloroethene
 Concen: 49.746 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion:	164	Resp:	122079
Ion	Ratio	Lower	Upper
164	100		
129	92.5	65.5	121.7
131	88.1	63.6	118.0
166	128.9	92.7	172.3

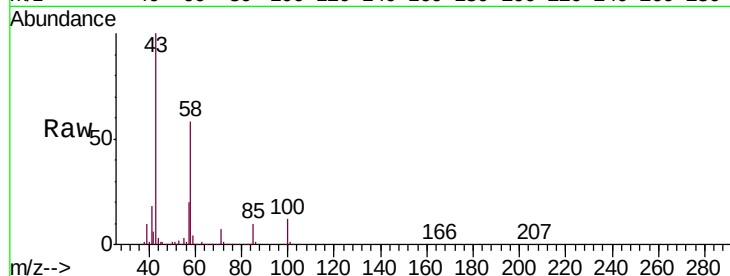




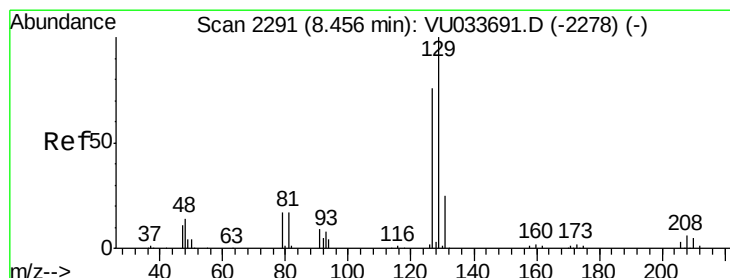
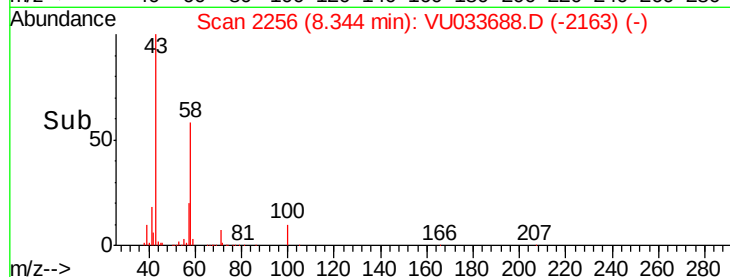
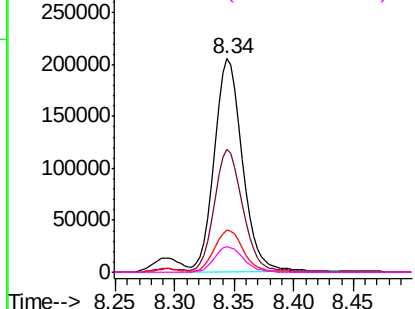
#48
2-Hexanone
Concen: 90.102 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:	43	Resp:	338419
Ion	Ratio	Lower	Upper
43	100		
58	57.3	46.6	70.0
57	20.1	16.2	24.4
100	12.0	10.1	15.1

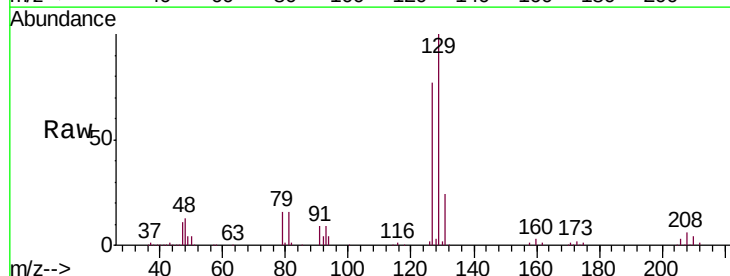


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

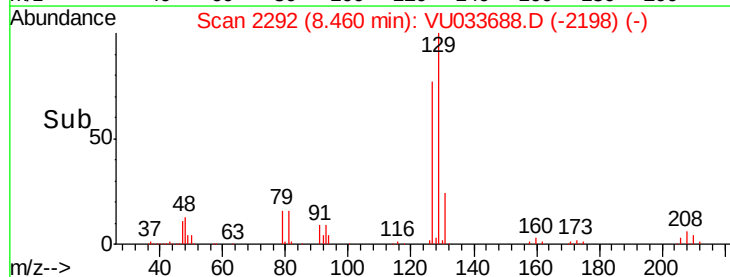
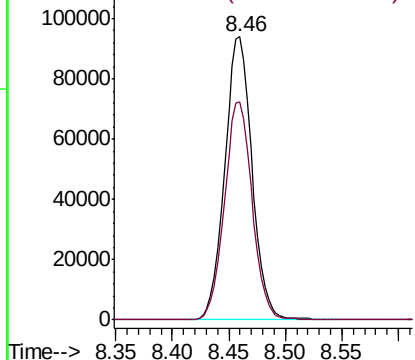


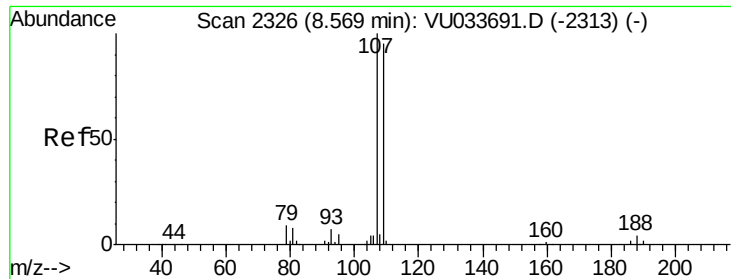
#49
Dibromochloromethane
Concen: 45.928 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion:	129	Resp:	157936
Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.3	98.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

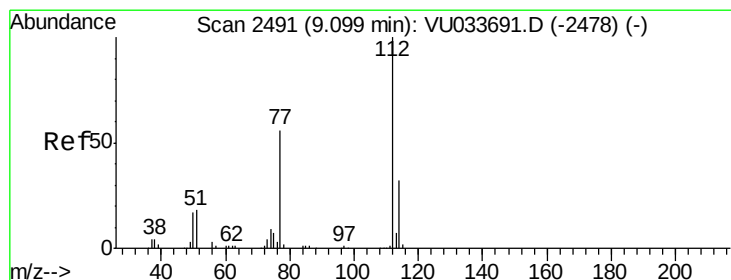
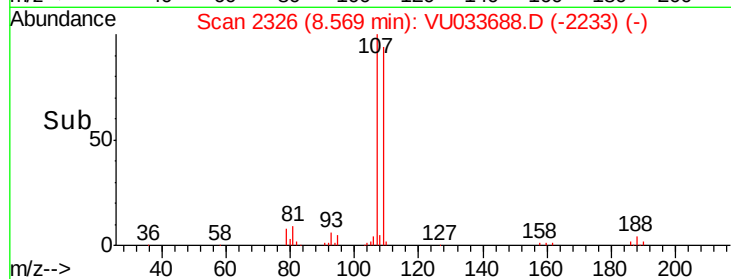
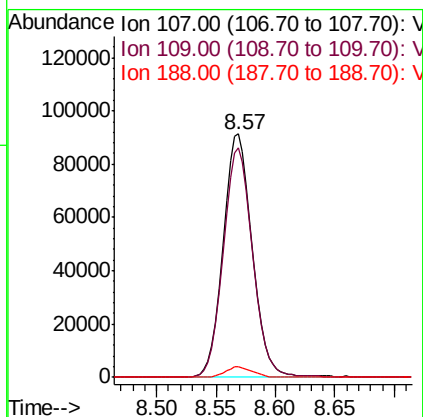
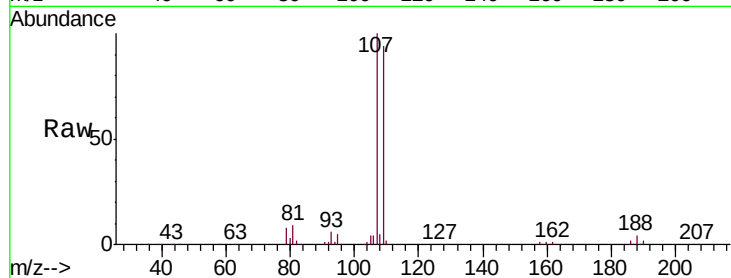




#50
1,2-Dibromoethane
Concen: 47.189 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

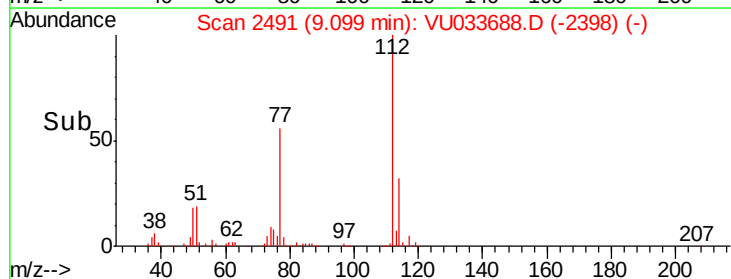
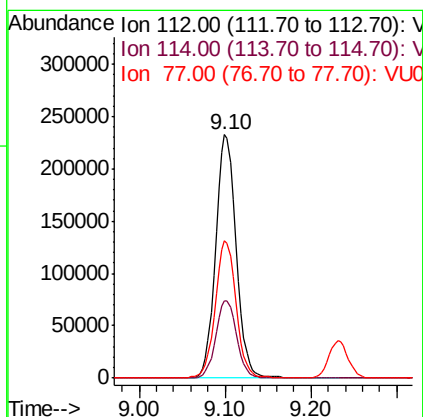
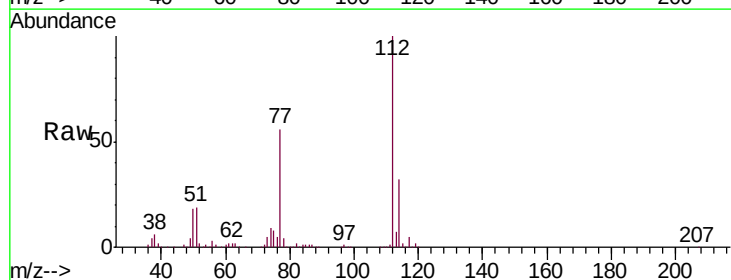
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

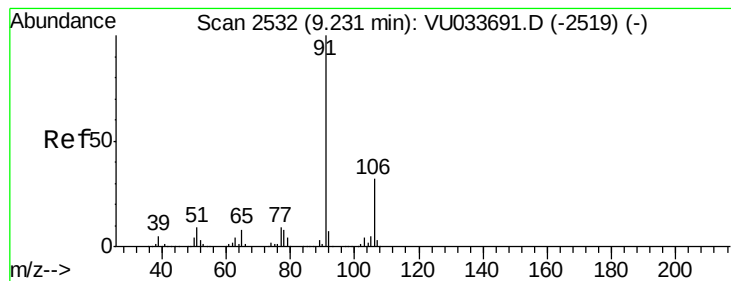
Tgt Ion:107 Resp: 154857
Ion Ratio Lower Upper
107 100
109 94.4 66.4 123.4
188 4.4 3.2 4.8



#51
Chlorobenzene
Concen: 47.011 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion:112 Resp: 387466
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 56.4 45.3 67.9





#52

Ethylbenzene

Concen: 48.192 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

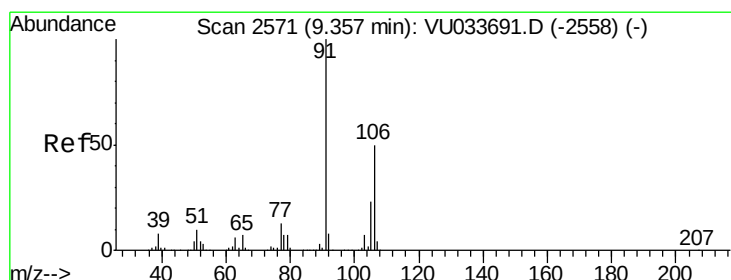
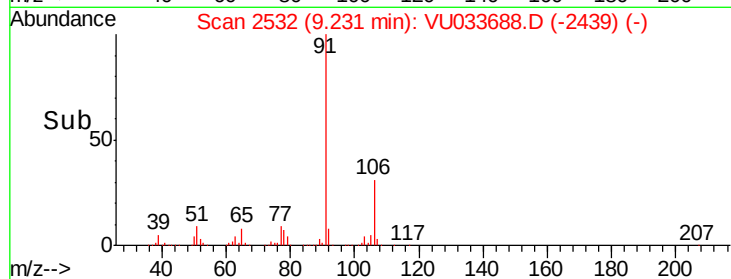
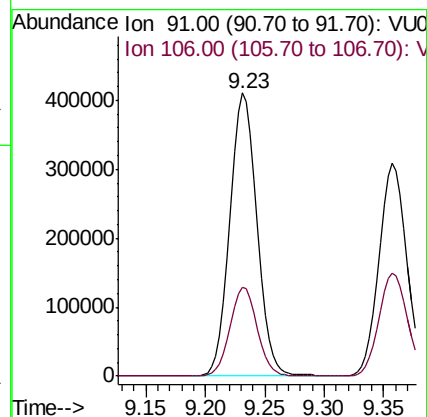
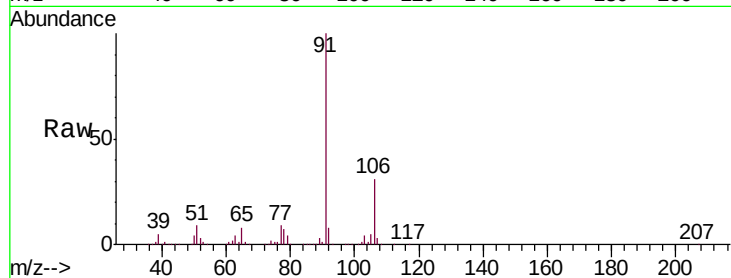
VSTDCCC050

Tgt Ion: 91 Resp: 650676

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.7



#53

m,p-Xylene

Concen: 48.734 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033688.D

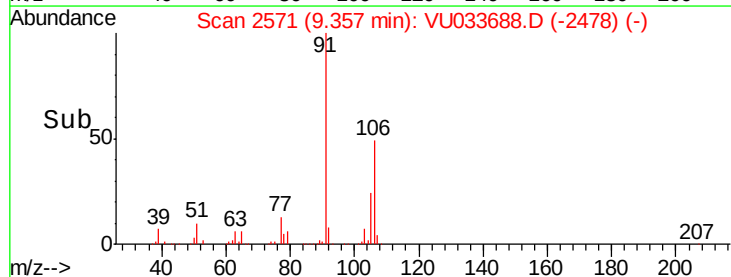
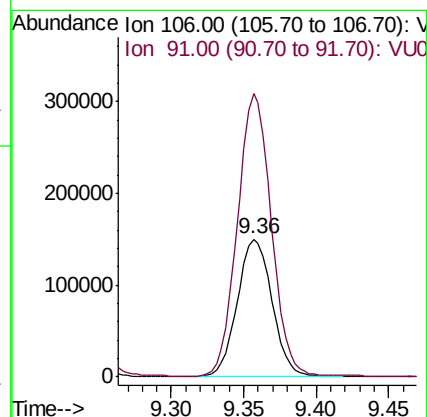
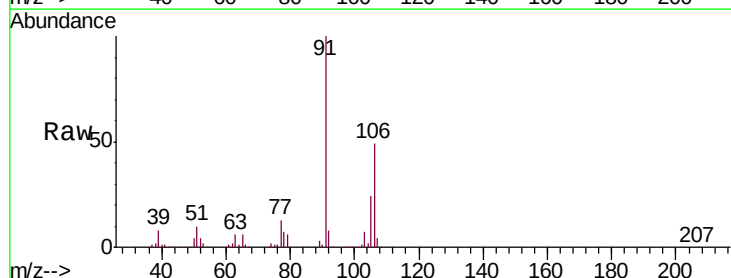
Acq: 09 Aug 2019 16:34

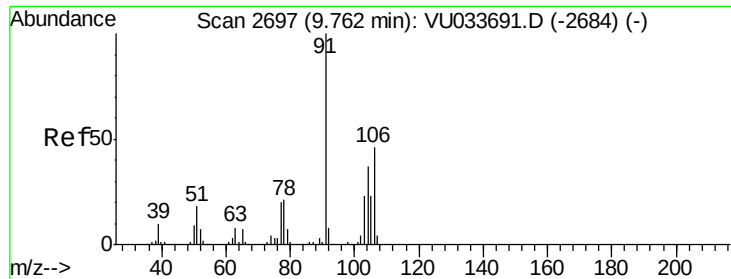
Tgt Ion: 106 Resp: 249081

Ion Ratio Lower Upper

106 100

91 205.5 138.8 257.8

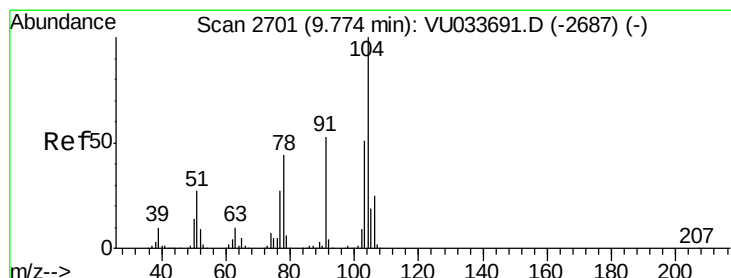
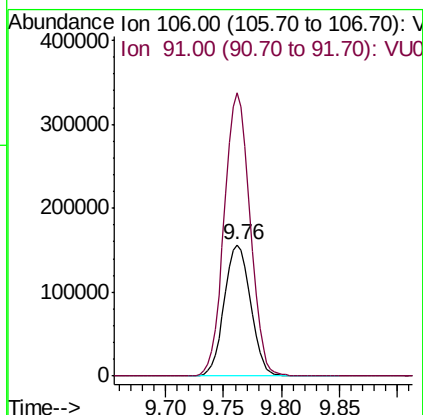
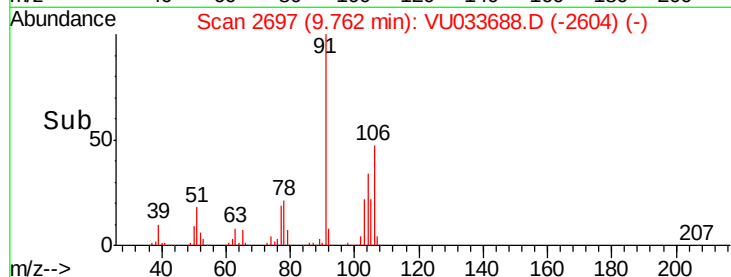
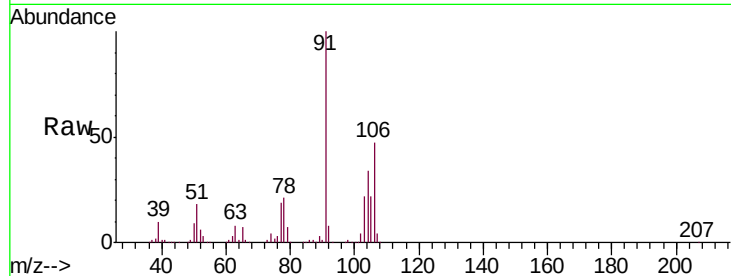




#54
o-xylene
Concen: 48.458 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

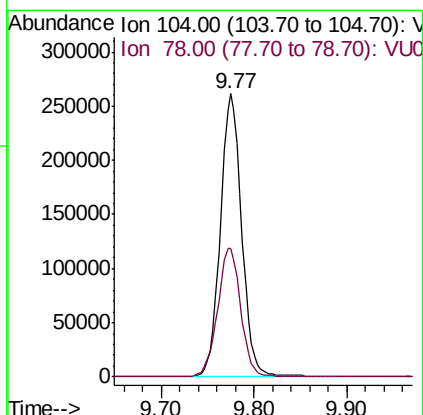
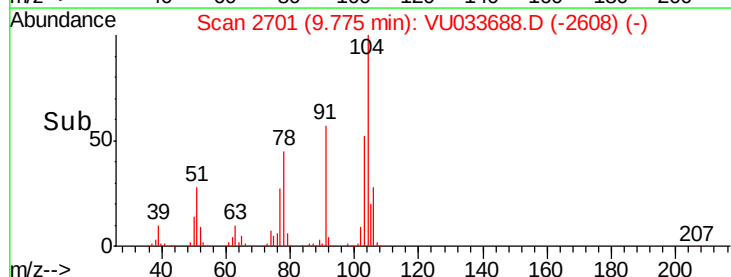
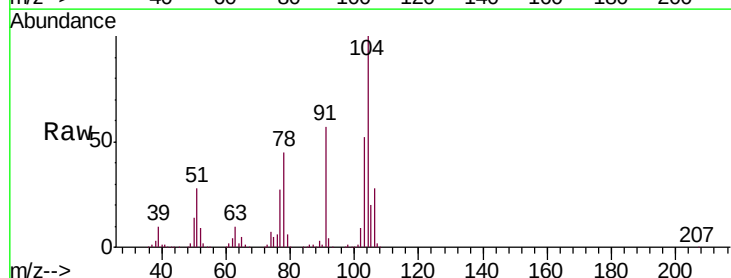
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

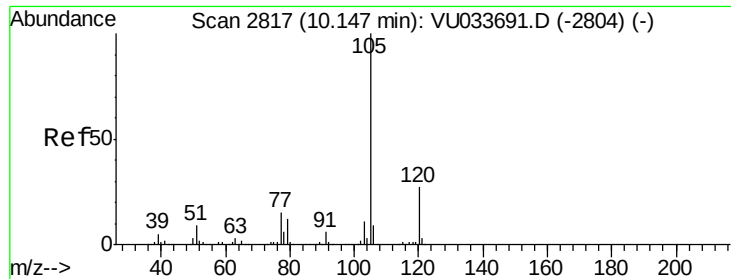
Tgt Ion:106 Resp: 245855
Ion Ratio Lower Upper
106 100
91 214.9 150.9 280.3



#55
Styrene
Concen: 48.355 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033688.D
Acq: 09 Aug 2019 16:34

Tgt Ion:104 Resp: 416543
Ion Ratio Lower Upper
104 100
78 45.4 31.0 57.6





#56

Isopropylbenzene

Concen: 49.209 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

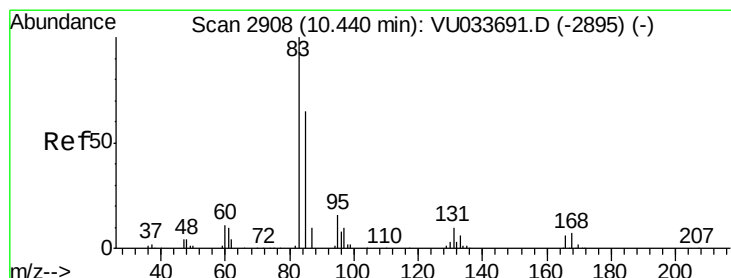
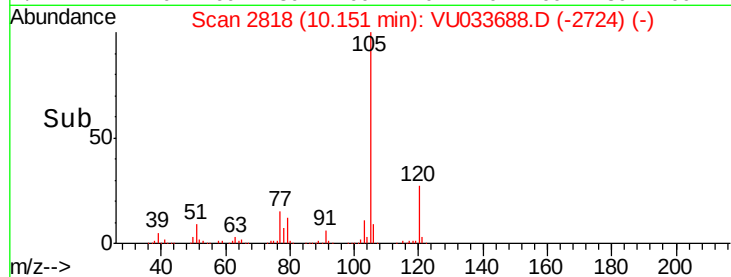
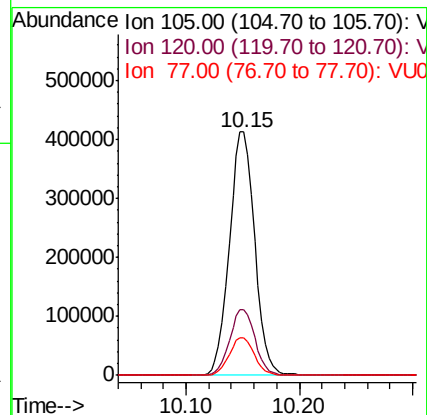
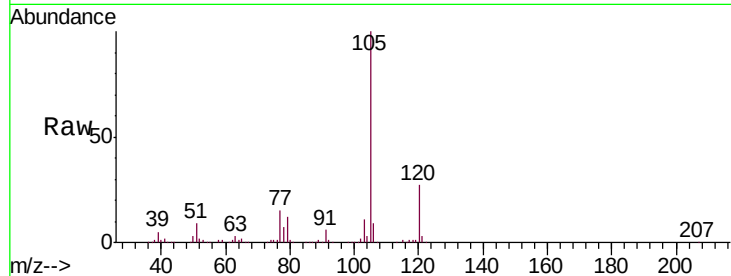
Tgt Ion: 105 Resp: 644513

Ion Ratio Lower Upper

105 100

120 27.2 21.6 32.4

77 15.4 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 44.429 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

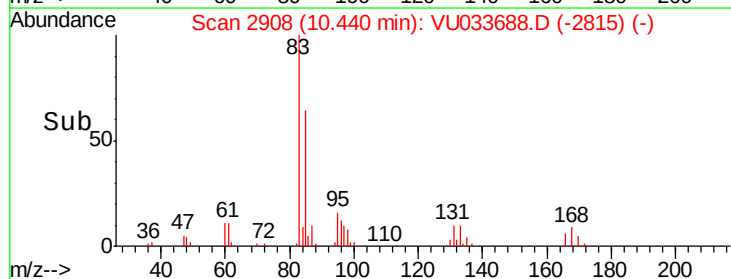
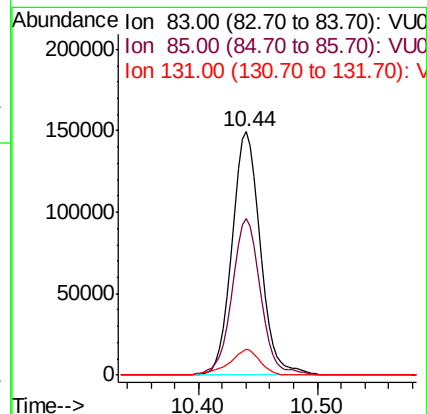
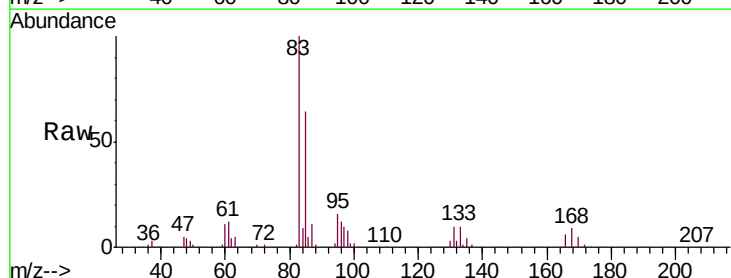
Tgt Ion: 83 Resp: 246413

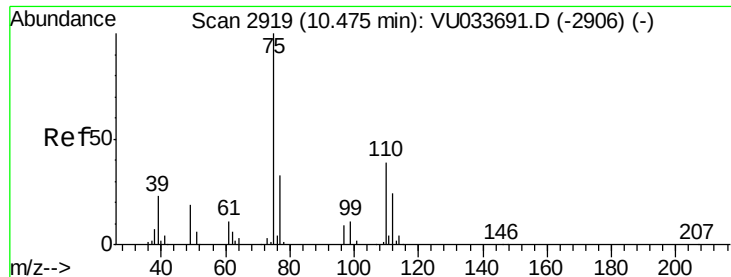
Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0

131 10.4 8.1 12.1

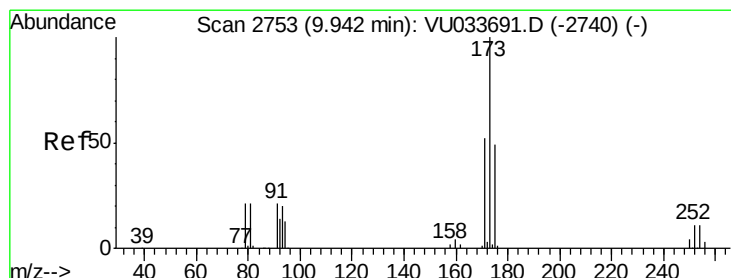
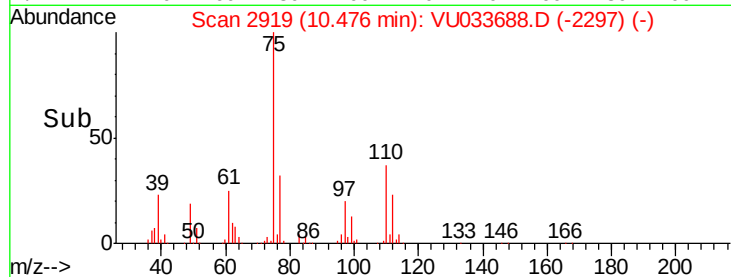
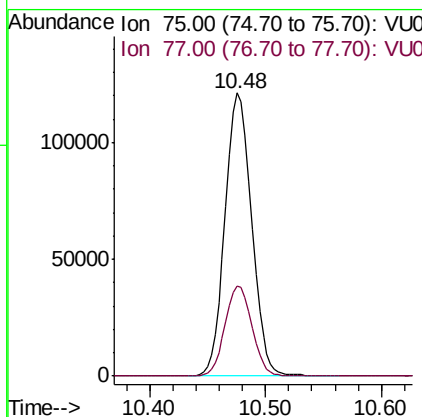
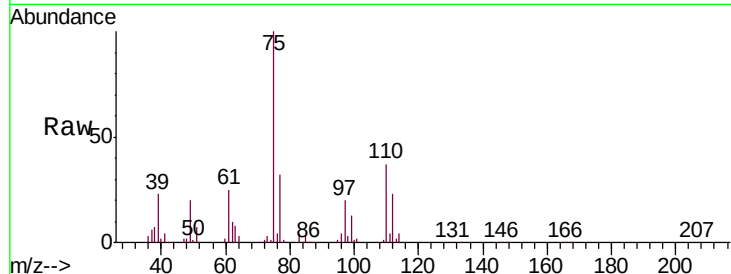




#59
 1,2,3-Trichloropropane
 Concen: 44.829 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

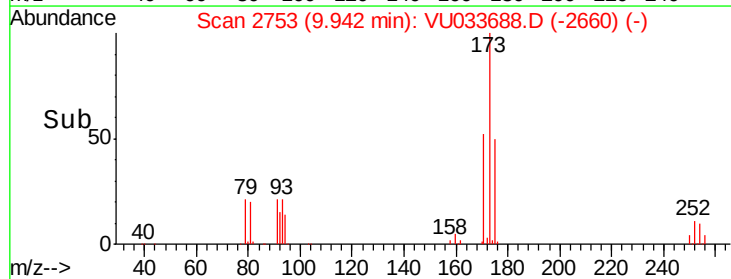
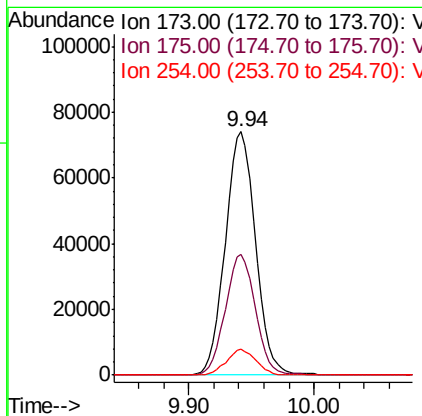
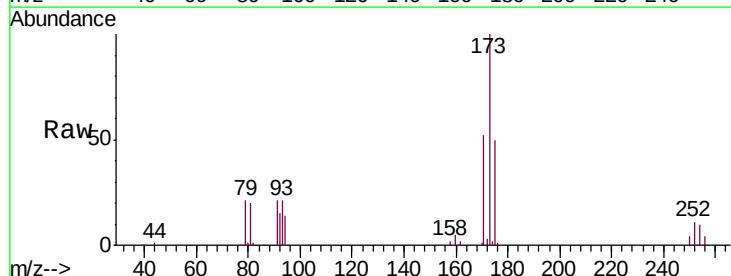
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

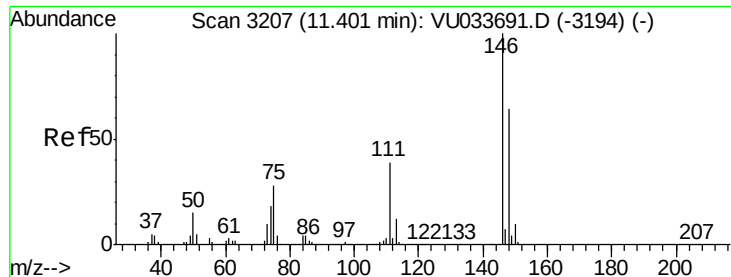
Tgt Ion: 75 Resp: 192659
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6



#61
 Bromoform
 Concen: 46.057 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion: 173 Resp: 123861
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.8 59.8
 254 10.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 47.836 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

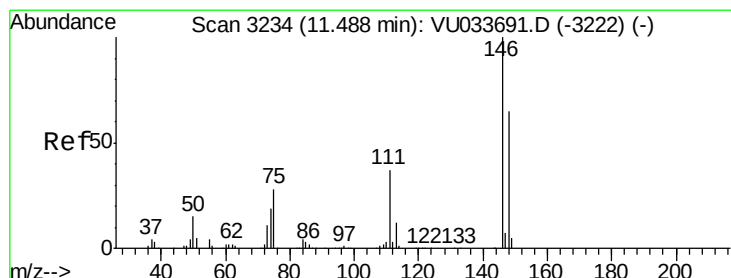
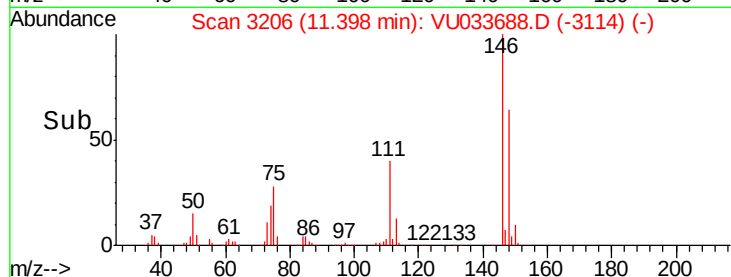
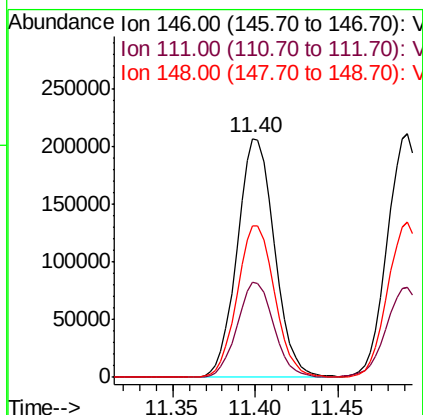
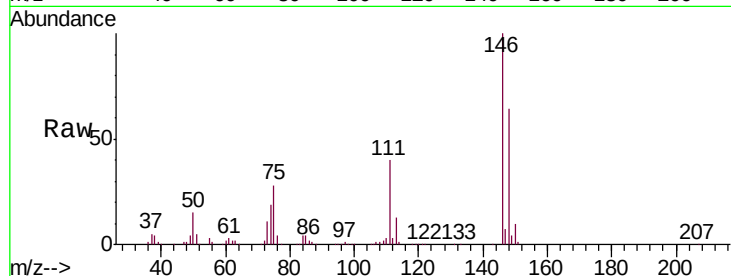
Tgt Ion:146 Resp: 323751

Ion Ratio Lower Upper

146 100

111 39.8 27.0 50.2

148 63.6 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 46.976 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

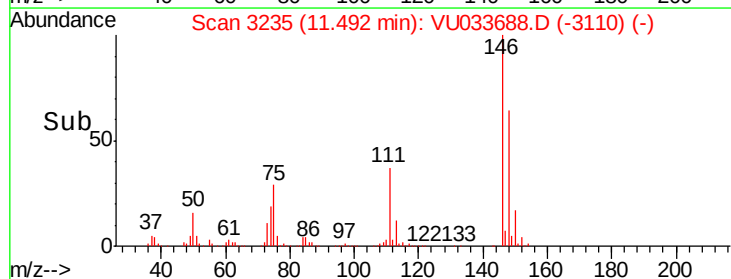
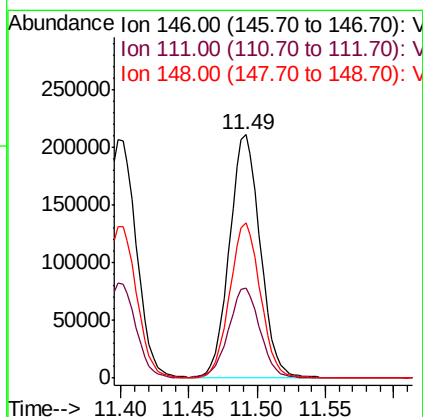
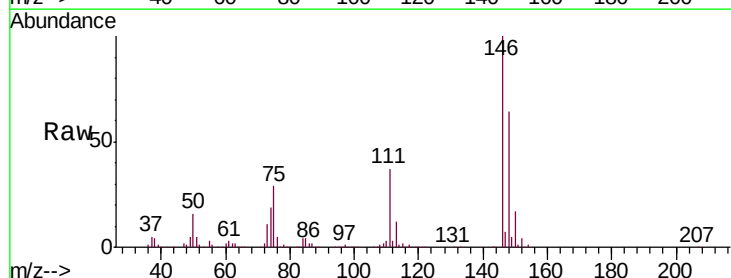
Tgt Ion:146 Resp: 328816

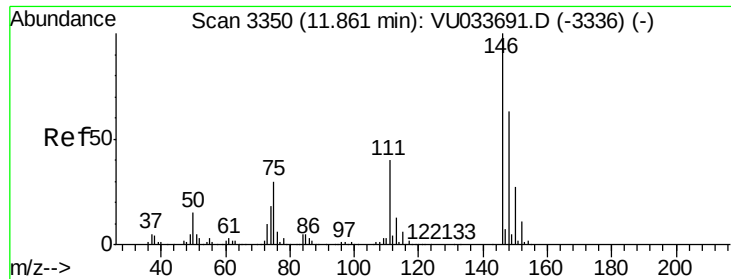
Ion Ratio Lower Upper

146 100

111 37.0 26.0 48.4

148 63.7 45.3 84.1

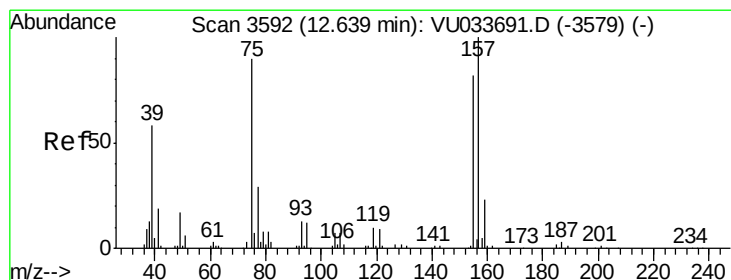
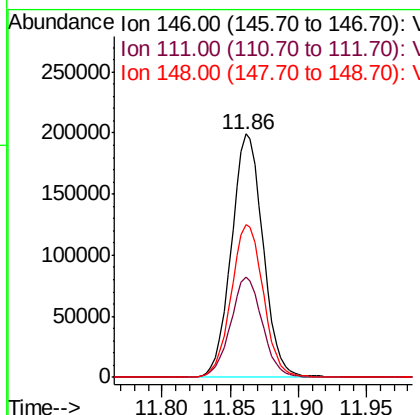
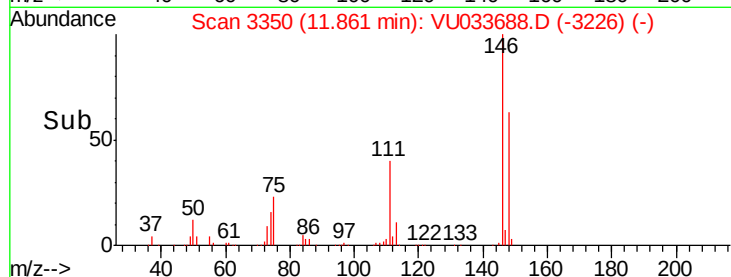
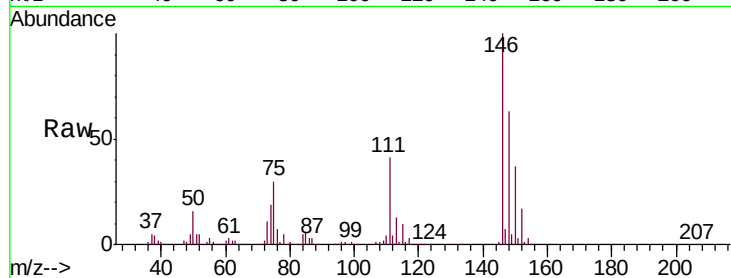




#65
 1,2-Dichlorobenzene
 Concen: 46.824 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

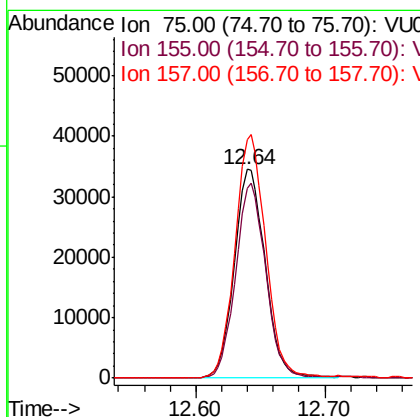
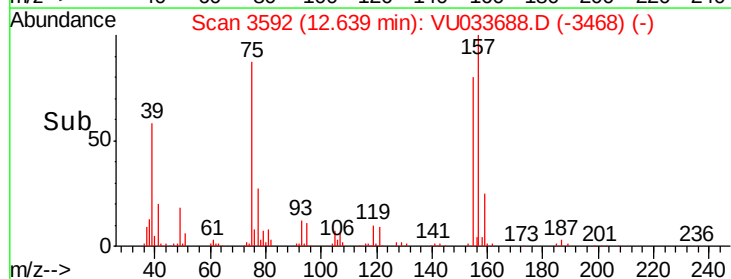
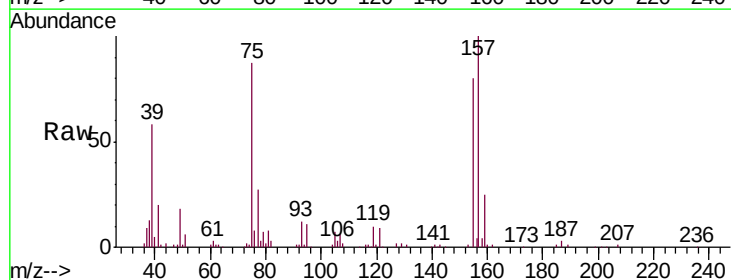
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

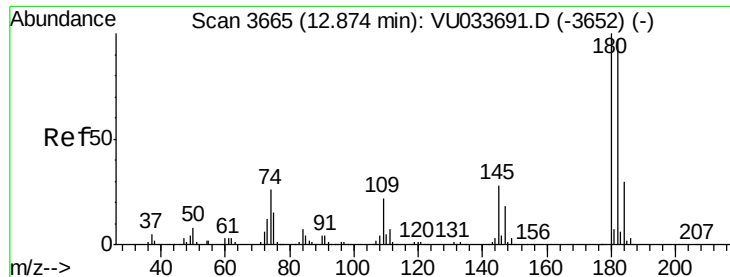
Tgt Ion: 146 Resp: 320114
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.2 48.2
 148 62.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.133 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion: 75 Resp: 57609
 Ion Ratio Lower Upper
 75 100
 155 91.1 72.7 109.1
 157 114.5 88.6 132.8

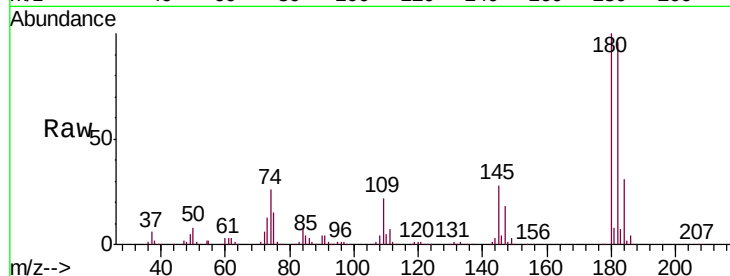




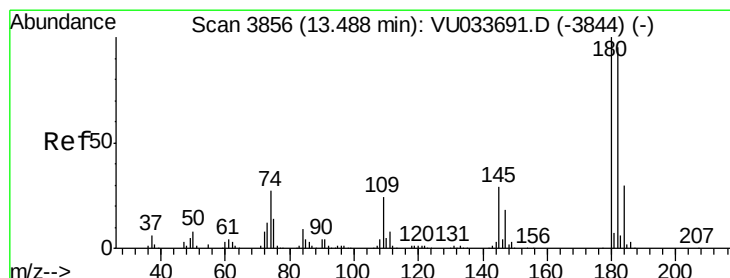
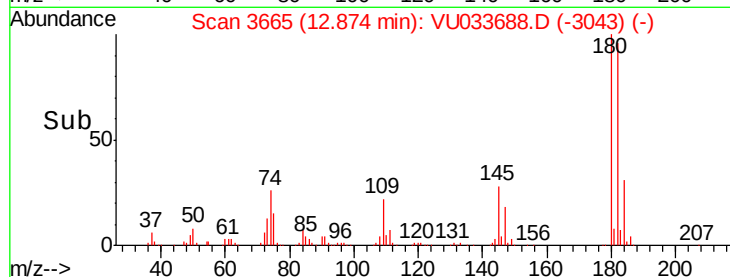
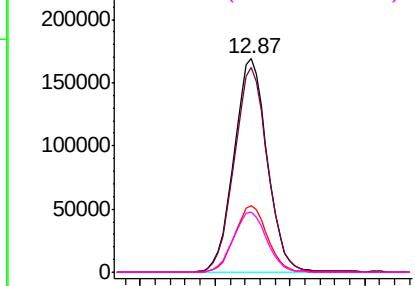
#67
 1,3,5-Trichlorobenzene
 Concen: 50.561 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	180	Resp:	261384
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
184	31.0	24.2	36.2
145	28.4	22.3	33.5

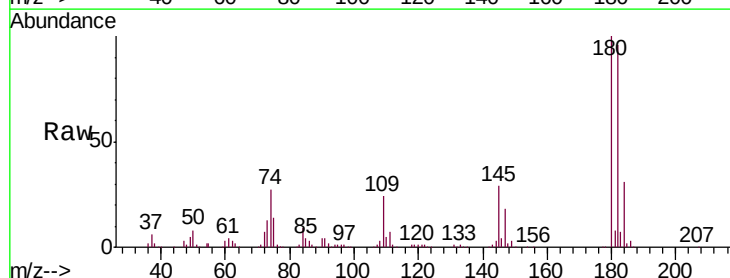


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

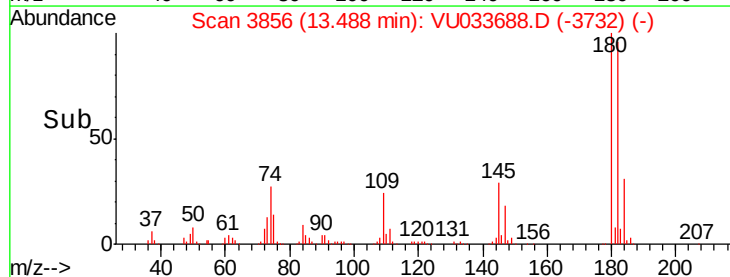
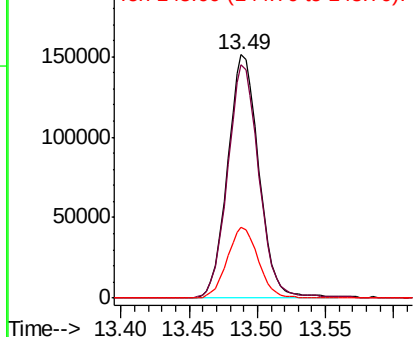


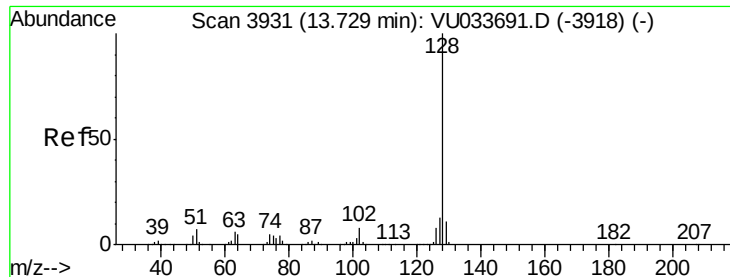
#68
 1,2,4-trichlorobenzene
 Concen: 55.216 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033688.D
 Acq: 09 Aug 2019 16:34

Tgt Ion:	180	Resp:	240538
Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.2	117.4
145	28.9	23.5	35.3



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: 56.448 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

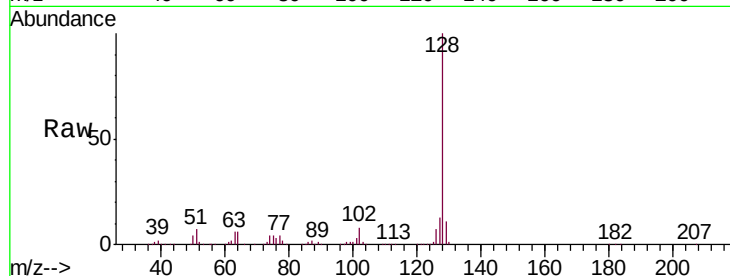
Tgt Ion:128 Resp: 720076

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

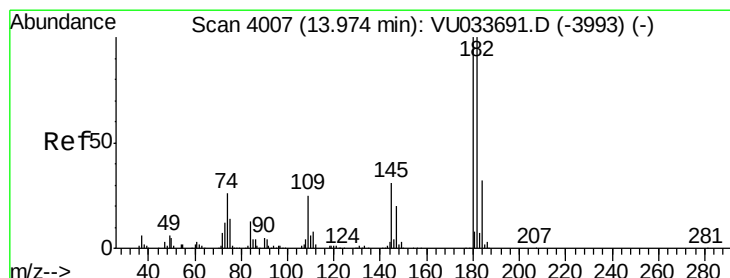
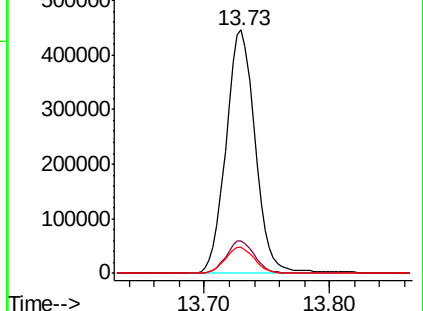
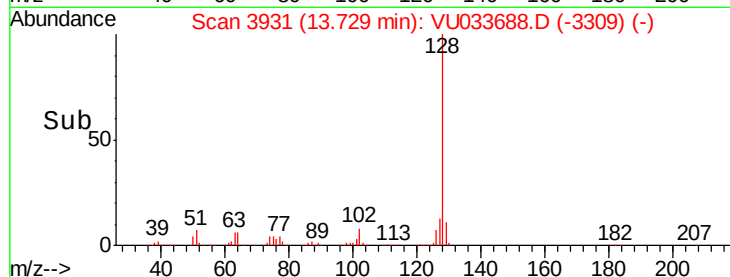
129 10.8 8.6 13.0



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: 54.144 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033688.D

Acq: 09 Aug 2019 16:34

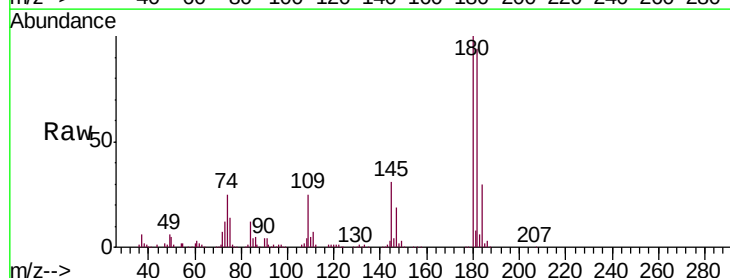
Tgt Ion:180 Resp: 244457

Ion Ratio Lower Upper

180 100

182 95.1 78.5 117.7

145 30.7 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

