

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034114.D
 Acq On : 31 Aug 2019 10:37
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC005

Quant Time: Aug 31 11:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 11:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	373772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	356137	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	194006	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	121431	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.67	69	96857	3.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	2.26	63	231868	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.17	46	286152	36.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.06%
24) Chloroform-d	4.62	84	217598	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.00%
26) 1,2-Dichloroethane-d4	5.29	65	103914	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
32) Benzene-d6	5.32	84	460042	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.31	67	141282	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.55	98	427411	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.83	79	51216	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.30	63	230539	46.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	104742	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	160245	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	175617	3.956	ug/L 100
3) Chloromethane	1.32	50	166239	3.801	ug/L 99
5) Vinyl chloride	1.40	62	175264	3.816	ug/L 99
6) Bromomethane	1.62	94	76172	3.606	ug/L 100
8) Chloroethane	1.69	64	101510	3.523	ug/L 99
9) Trichlorofluoromethane	1.88	101	198247	3.798	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	116733	3.929	ug/L 93
12) 1,1-Dichloroethene	2.27	96	116285	4.035	ug/L 84
13) Acetone	2.32	43	191924	30.710	ug/L 94
14) Carbon disulfide	2.46	76	385941	3.776	ug/L 100
15) Methyl Acetate	2.61	43	52009	3.031	ug/L 95
16) Methylene chloride	2.68	84	122764	3.605	ug/L 91
17) Methyl tert-butyl Ether	2.99	73	282522	3.740	ug/L 97
18) trans-1,2-Dichloroethene	2.96	96	123646	3.960	ug/L 95
19) 1,1-Dichloroethane	3.42	63	243045	3.992	ug/L 100
21) 2-Butanone	4.26	43	330155	36.783	ug/L 98
22) cis-1,2-Dichloroethene	4.20	96	140756	4.381	ug/L 96

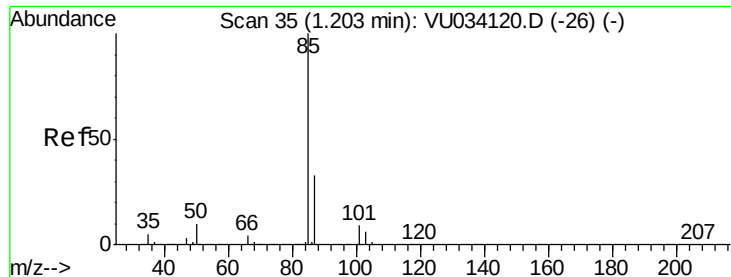
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
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 VSTDCCC005

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 11:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	58655	4.002	ug/L	93
25) Chloroform	4.65	83	234165	3.710	ug/L	100
27) 1,2-Dichloroethane	5.38	62	134365	3.557	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	193231	4.373	ug/L	97
30) Cyclohexane	4.97	56	229159	5.145	ug/L	98
31) Carbon tetrachloride	5.11	117	171217	4.364	ug/L	99
33) Benzene	5.37	78	531993	4.702	ug/L	100
34) Trichloroethene	6.16	95	137352	4.711	ug/L	97
35) Methylcyclohexane	6.39	83	232491	5.260	ug/L	93
37) 1,2-Dichloropropane	6.41	63	136413	4.402	ug/L	99
38) Bromodichloromethane	6.74	83	157436	4.148	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	191790	4.747	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	765902	40.395	ug/L	95
42) Toluene	7.62	91	572962	5.042	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	146966	4.401	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	88482	4.225	ug/L	98
47) Tetrachloroethene	8.21	164	114640	4.995	ug/L	98
48) 2-Hexanone	8.35	43	551064	41.498	ug/L	97
49) Dibromochloromethane	8.46	129	105559	4.273	ug/L	94
50) 1,2-Dibromoethane	8.57	107	82903	4.138	ug/L	96
51) Chlorobenzene	9.10	112	357671	4.809	ug/L	99
52) Ethylbenzene	9.23	91	619229	5.215	ug/L	100
53) m,p-Xylene	9.36	106	241125	5.428	ug/L	96
54) o-Xylene	9.76	106	231720	5.525	ug/L	98
55) Styrene	9.77	104	389091	5.388	ug/L	99
56) Isopropylbenzene	10.15	105	608941	5.491	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	111148	4.019	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	79270	3.991	ug/L	99
61) Bromoform	9.94	173	59272	3.987	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	299110	4.899	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	300777	4.749	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	277138	4.722	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	17140	3.751	ug/L	86
67) 1,3,5-Trichlorobenzene	12.87	180	243391	5.122	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	198317	5.596	ug/L	100
69) Naphthalene	13.73	128	304917	5.537	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	177695	5.176	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.956 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.01 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

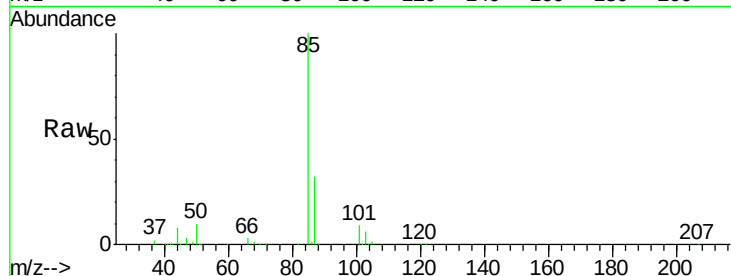
VSTDCCC005

Tot Ion: 85 Resp: 175617

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU034114.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034114.D (-1) (-)

1.20

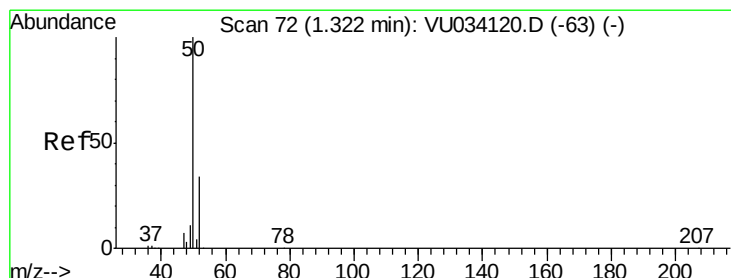
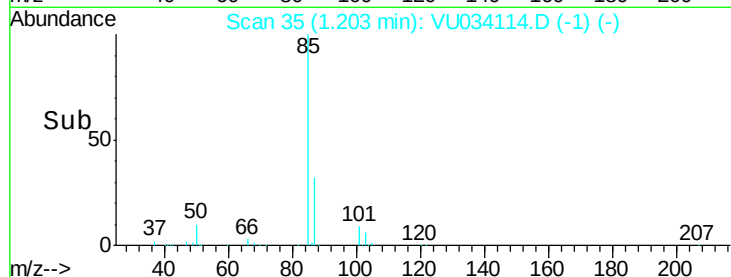
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.801 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034114.D

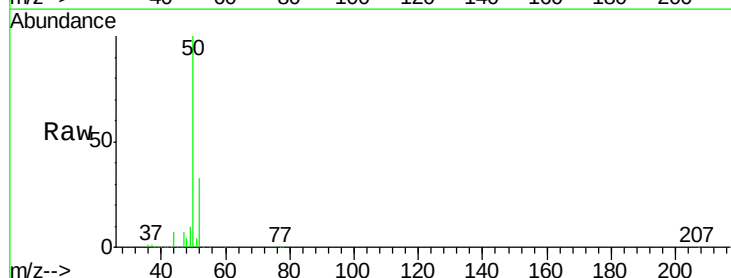
Acq: 31 Aug 2019 10:37

Tgt Ion: 50 Resp: 166239

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU034114.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034114.D (-1) (-)

1.32

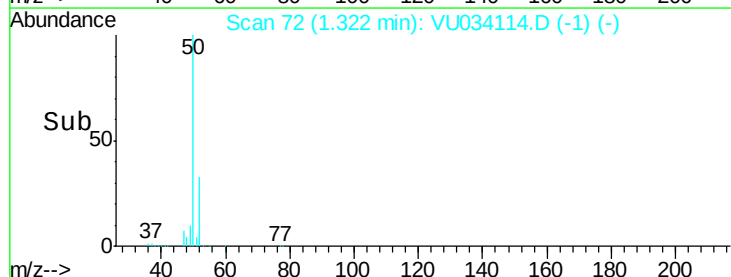
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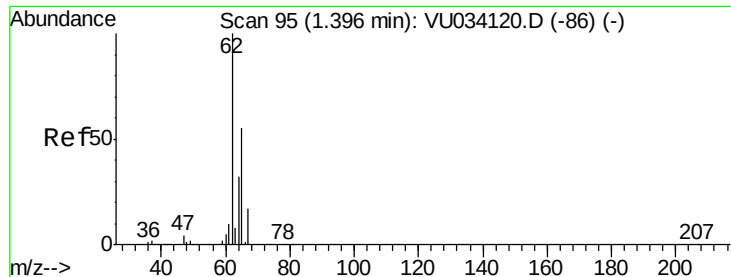
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50000

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Time-->





#5

Vinyl chloride

Concen: 3.816 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

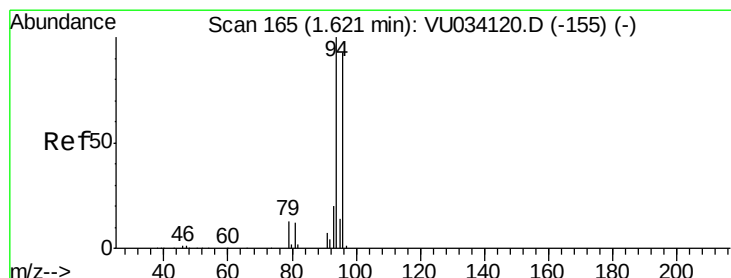
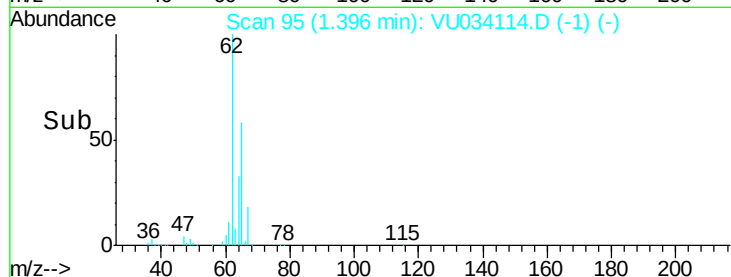
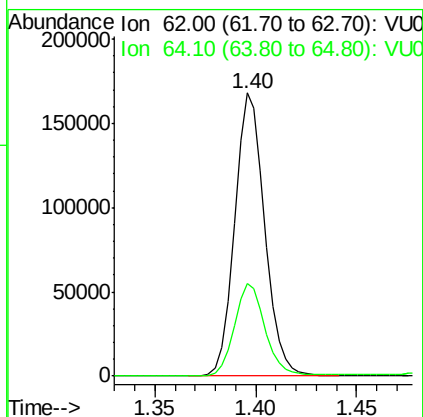
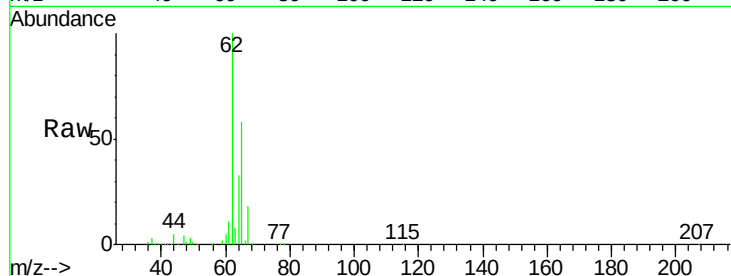
VSTDCCC005

Tot Ion: 62 Resp: 175264

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.4



#6

Bromomethane

Concen: 3.606 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034114.D

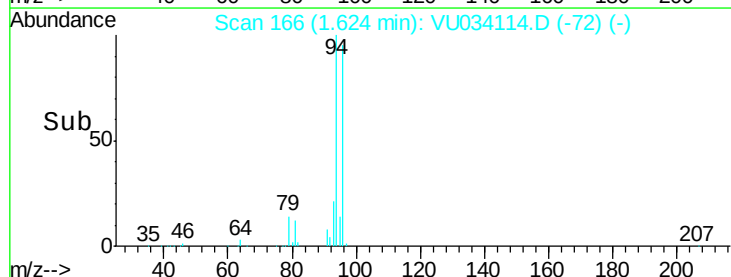
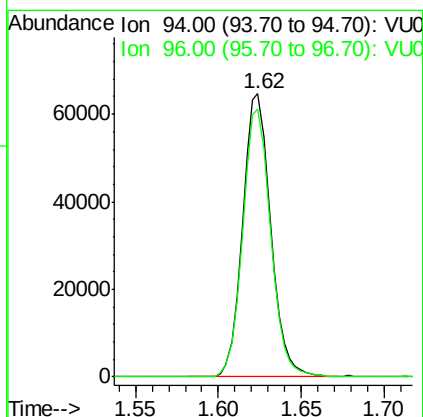
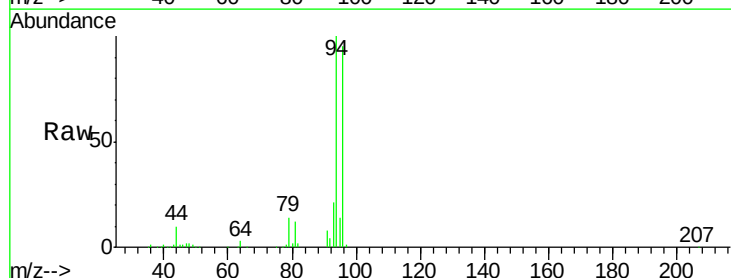
Acq: 31 Aug 2019 10:37

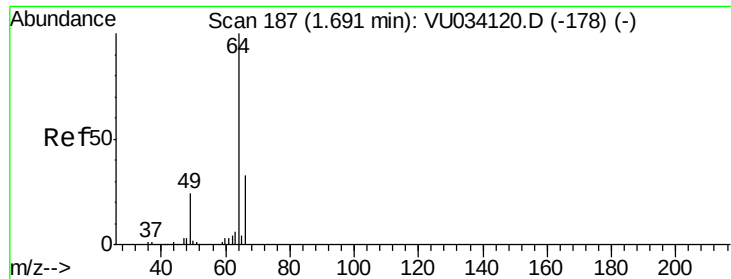
Tgt Ion: 94 Resp: 76172

Ion Ratio Lower Upper

94 100

96 94.9 66.1 122.8

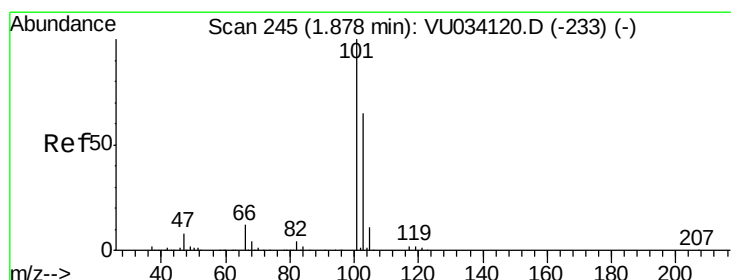
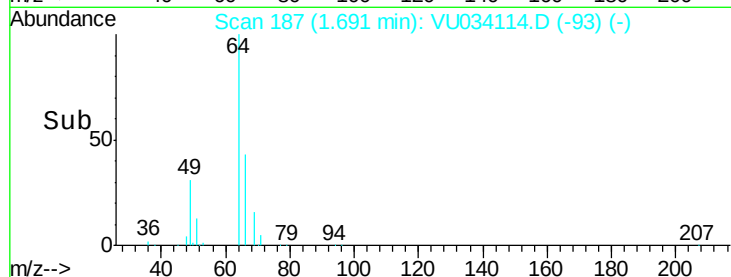
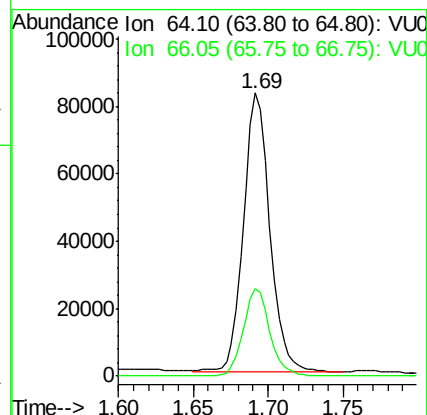
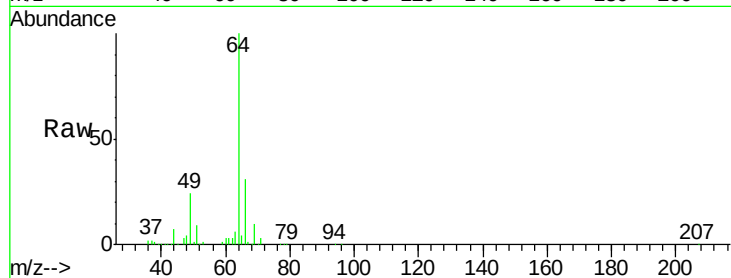




#8
Chloroethane
Concen: 3.523 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

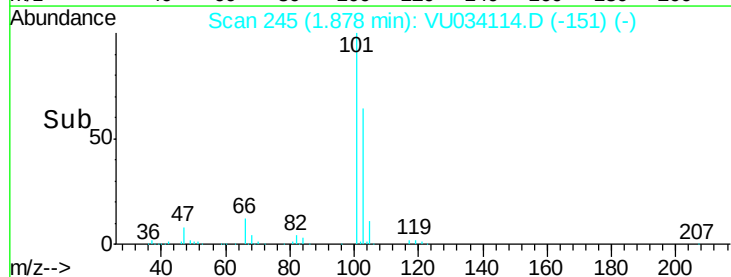
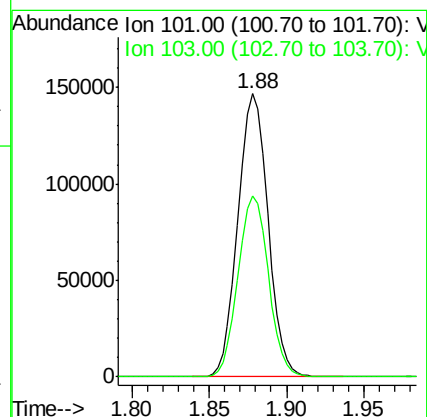
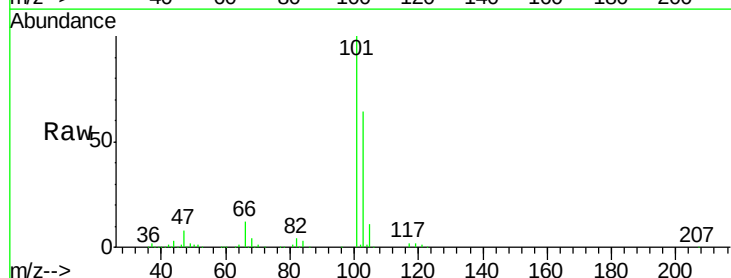
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

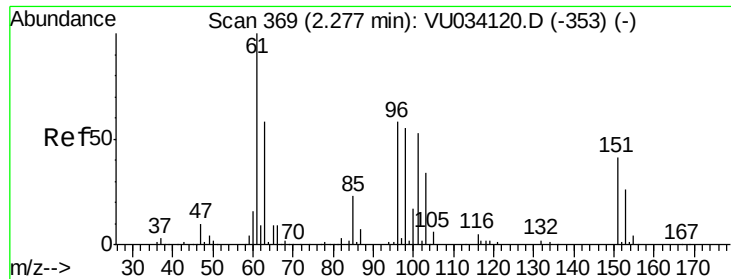
Tot Ion: 64 Resp: 101510
Ion Ratio Lower Upper
64 100
66 31.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 3.798 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion: 101 Resp: 198247
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1





#10

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

Concen: 3.929 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

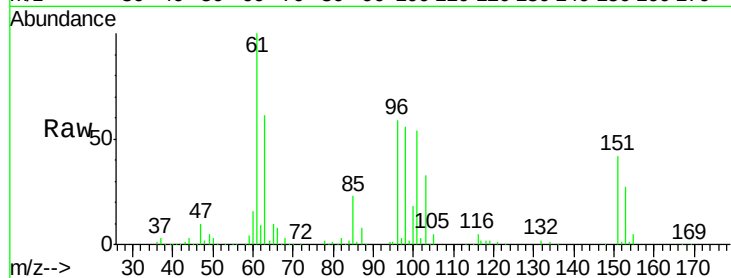
Tot Ion:101 Resp: 116733

Ion Ratio Lower Upper

101 100

85 42.7 36.2 54.2

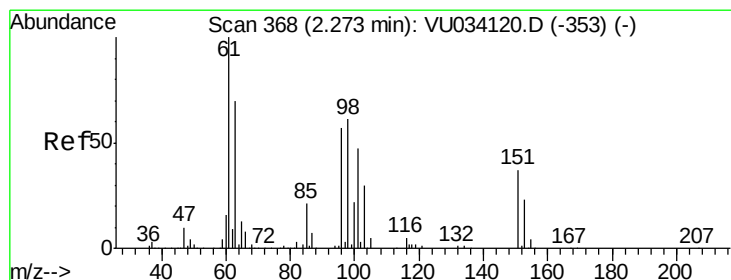
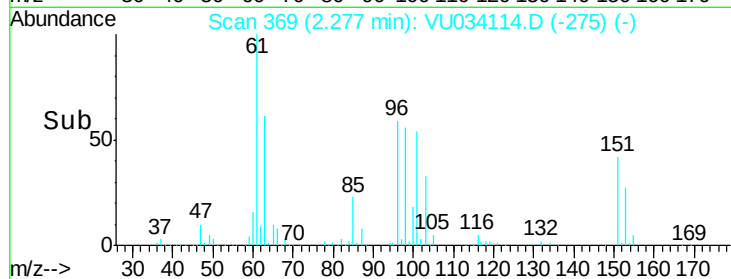
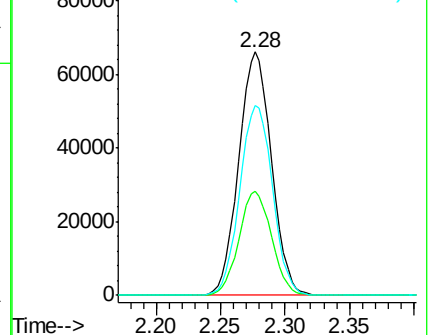
151 78.1 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.035 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

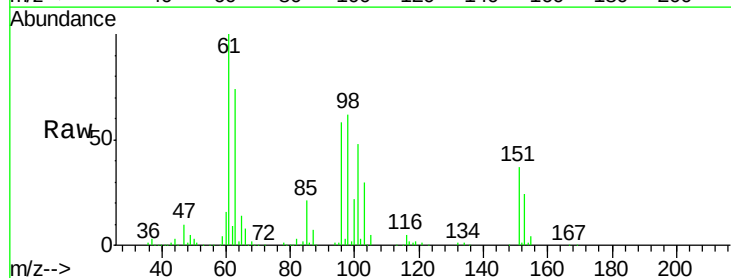
Tgt Ion: 96 Resp: 116285

Ion Ratio Lower Upper

96 100

61 173.6 135.6 251.8

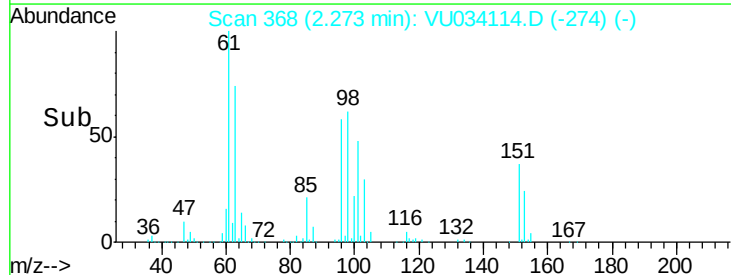
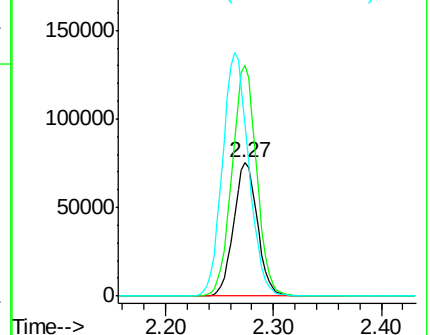
63 129.0 108.0 200.6

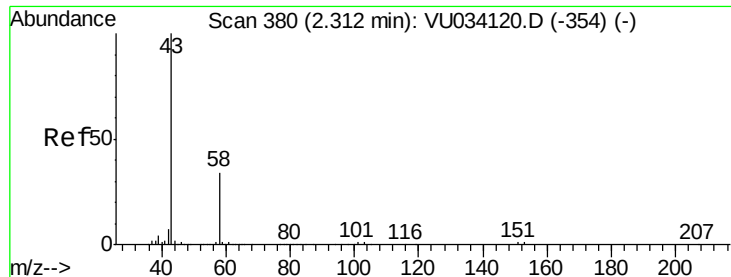


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 30.710 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

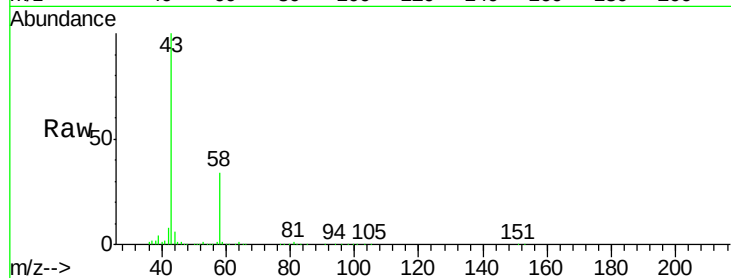
VSTDCCC005

Tot Ion: 43 Resp: 191924

Ion Ratio Lower Upper

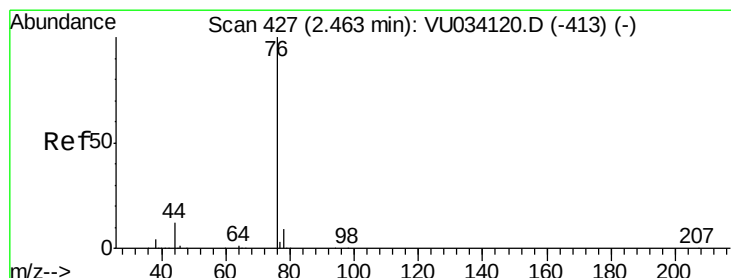
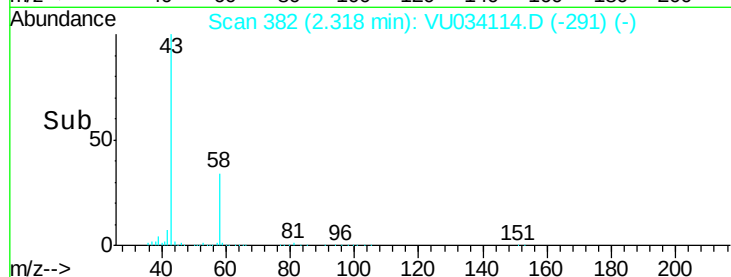
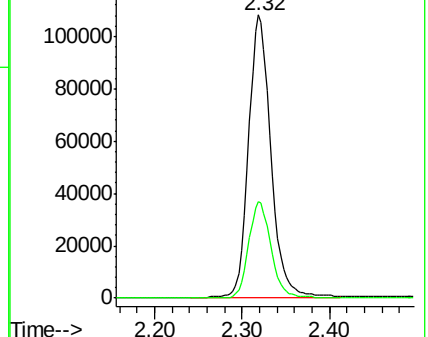
43 100

58 34.5 0.0 62.6



Abundance Ion 43.05 (42.75 to 43.75): VU034114.D (-291) (-)

Ion 58.05 (57.75 to 58.75): VU034114.D (-291) (-)



#14

Carbon disulfide

Concen: 3.776 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034114.D

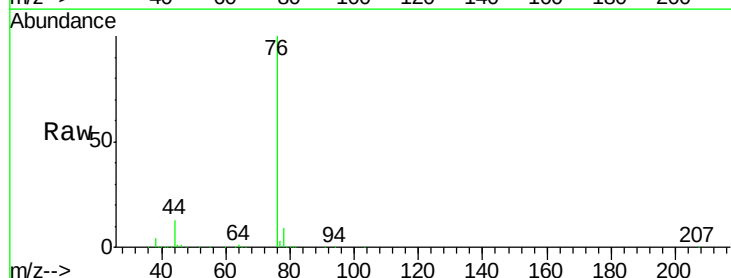
Acq: 31 Aug 2019 10:37

Tgt Ion: 76 Resp: 385941

Ion Ratio Lower Upper

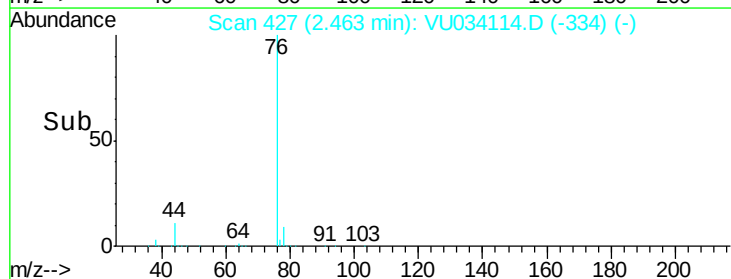
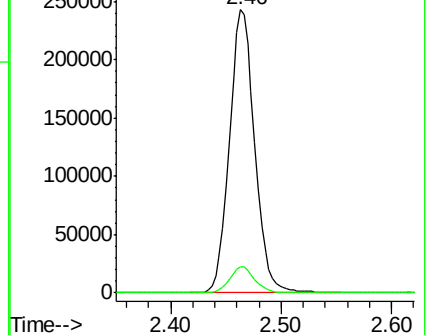
76 100

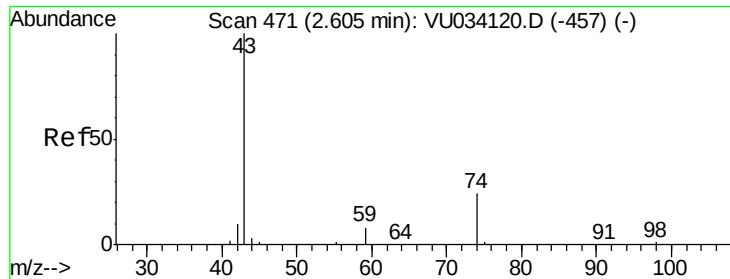
78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU034114.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034114.D (-334) (-)

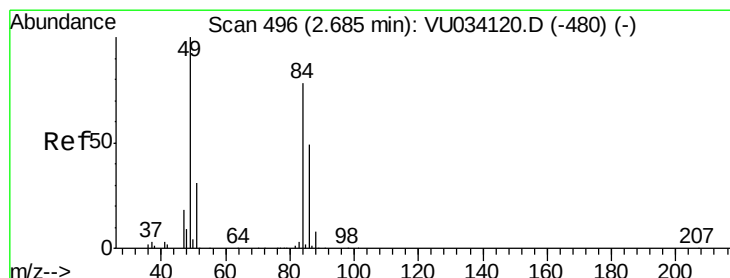
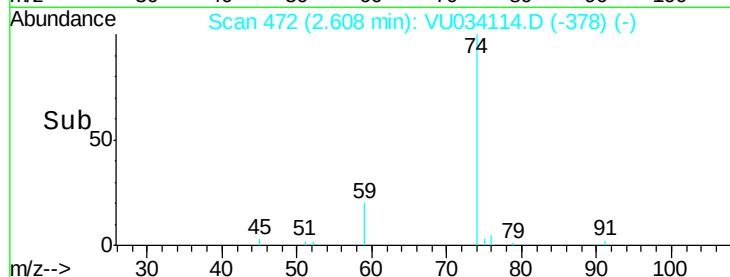
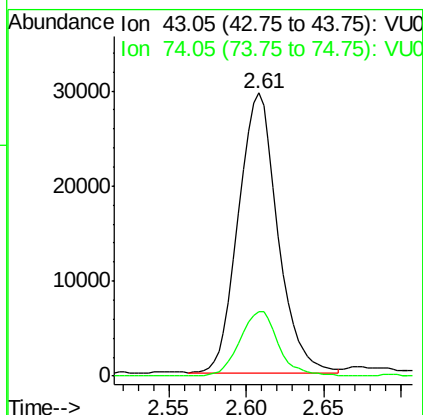
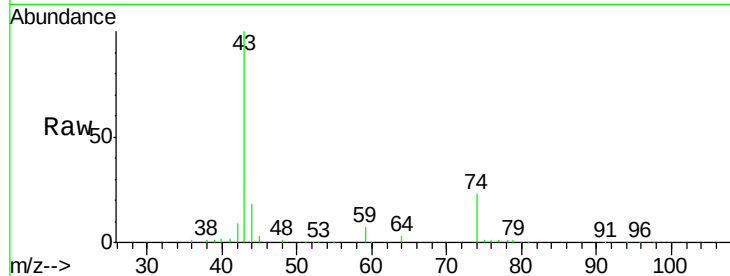




#15
Methyl Acetate
Concen: 3.031 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

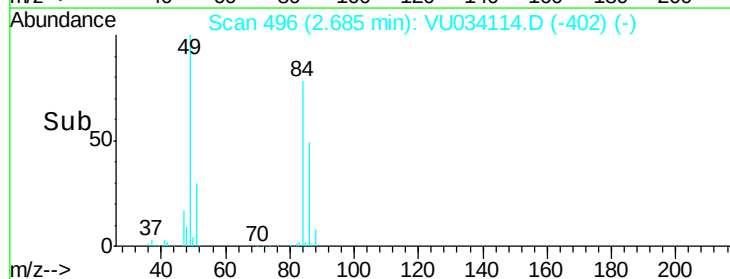
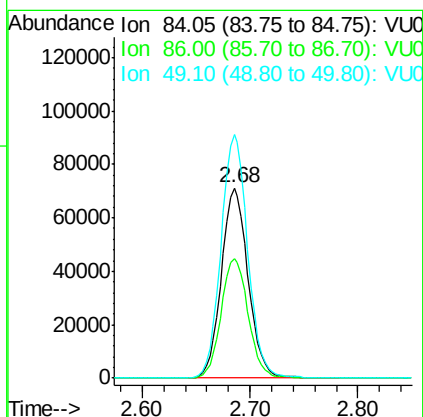
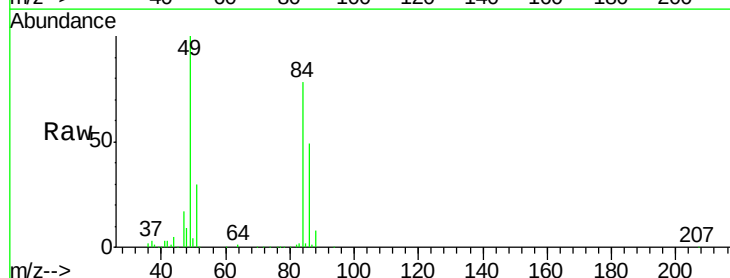
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

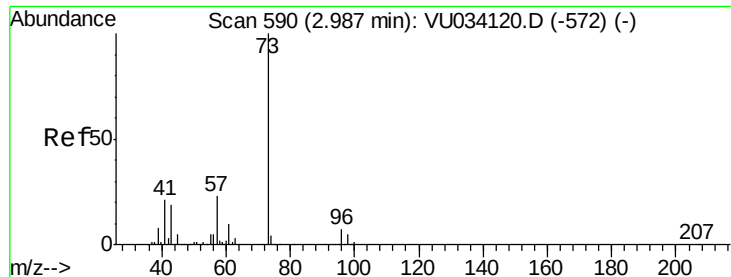
Tot Ion: 43 Resp: 52009
Ion Ratio Lower Upper
43 100
74 22.9 16.3 24.5



#16
Methylene chloride
Concen: 3.605 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion: 84 Resp: 122764
Ion Ratio Lower Upper
84 100
86 62.5 44.7 83.1
49 127.8 100.1 185.9

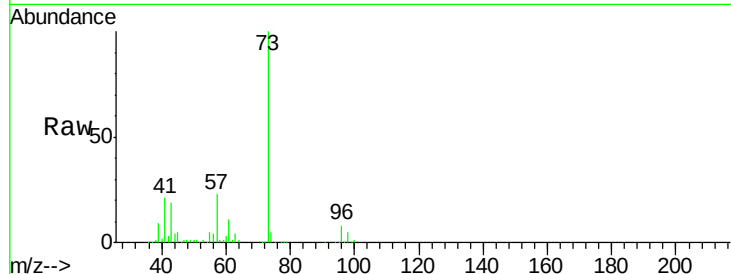




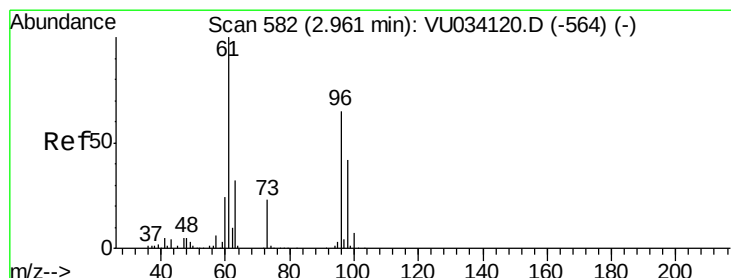
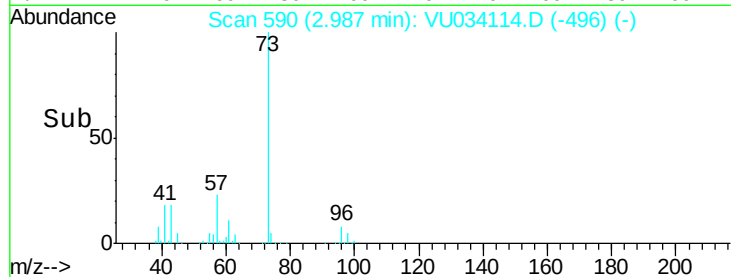
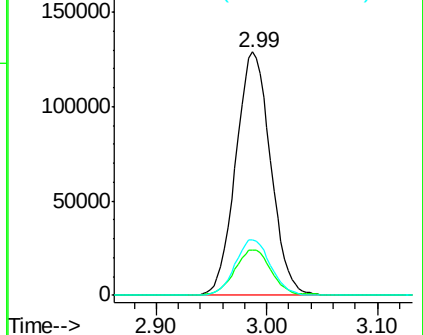
#17
Methyl tert-butyl Ether
Concen: 3.740 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.9	16.6	24.8
57	23.1	19.1	28.7

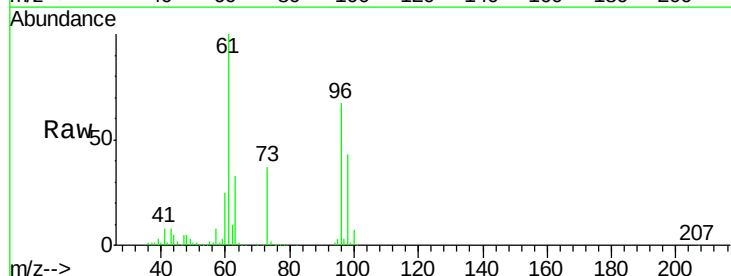


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

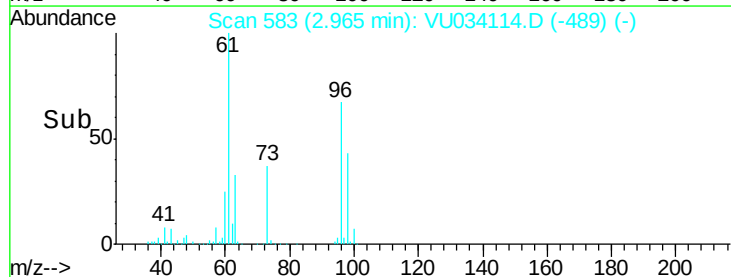
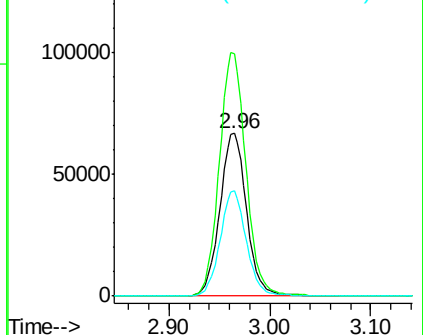


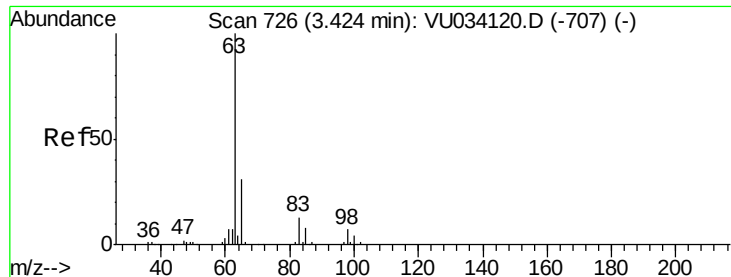
#18
trans-1,2-Dichloroethene
Concen: 3.960 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	110.3	204.9
98	64.8	44.2	82.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

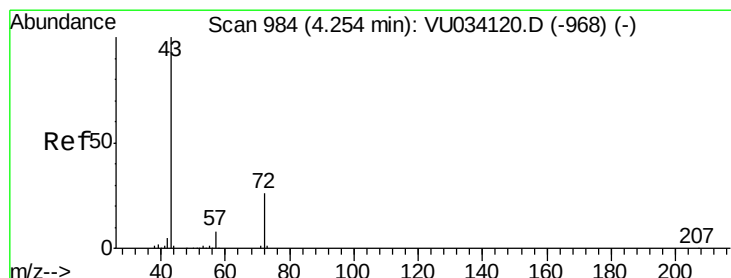
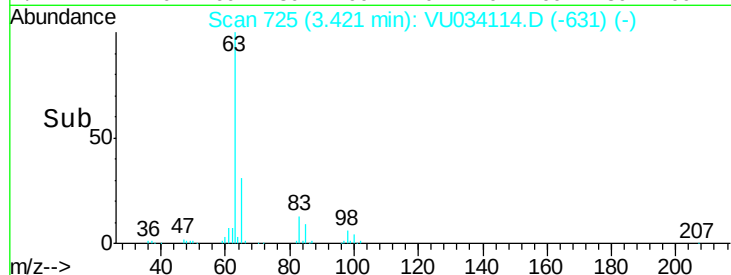
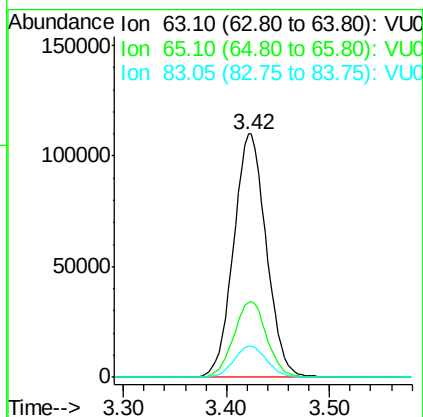
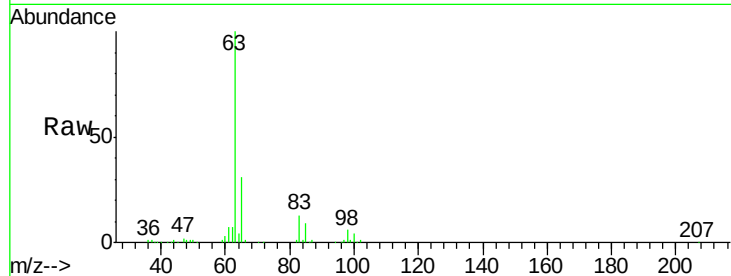




#19
 1,1-Dichloroethane
 Concen: 3.992 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

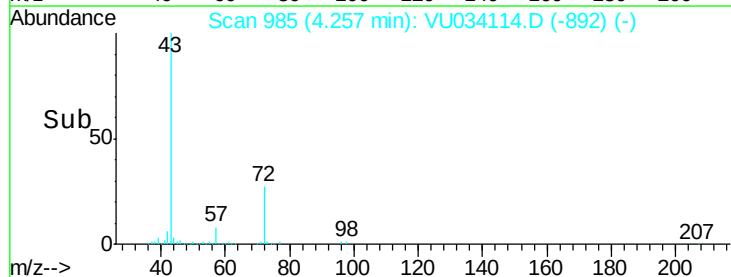
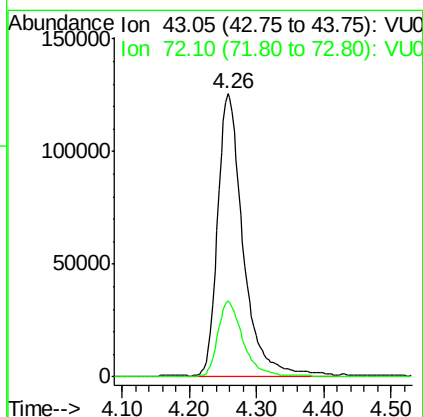
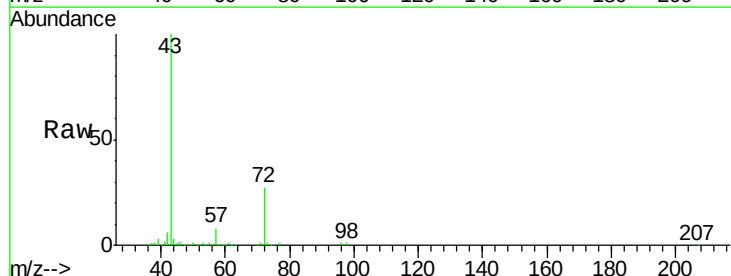
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC005

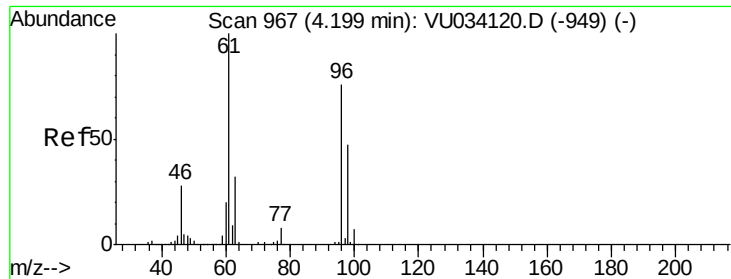
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	21.7	40.3
83	12.9	8.9	16.5



#21
 2-Butanone
 Concen: 36.783 ug/L
 RT: 4.26 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	12.3	36.8





#22

cis-1,2-Dichloroethene

Concen: 4.381 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

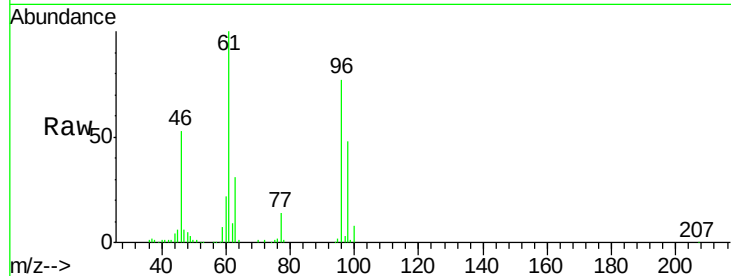
Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

Tot Ion: 96 Resp: 140756

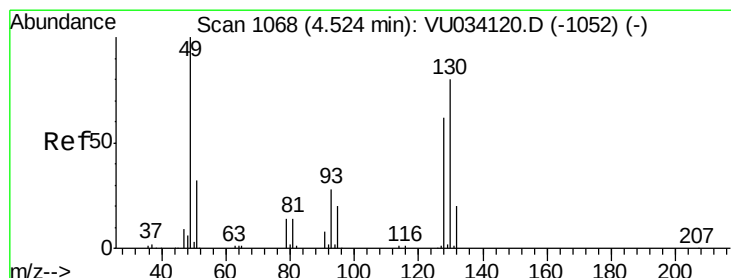
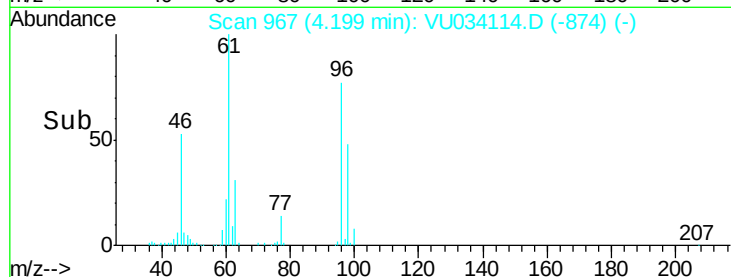
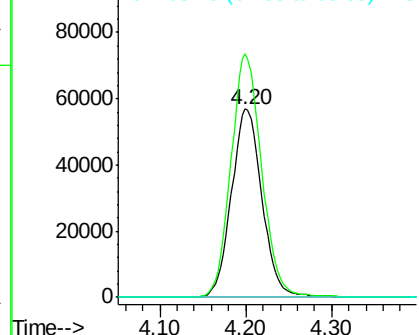
Ion	Ratio	Lower	Upper
96	100		
61	129.2	93.8	174.2
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.002 ug/L

RT: 4.53 min Scan# 1069

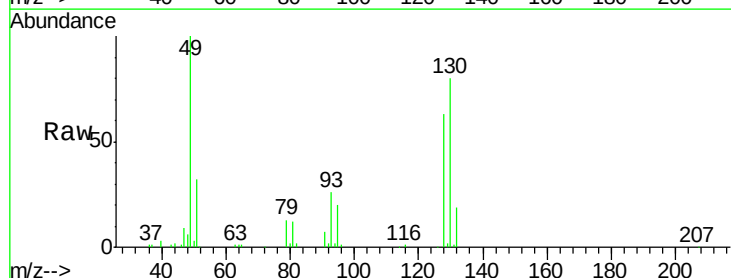
Delta R.T. 0.01 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Tgt Ion:128 Resp: 58655

Ion	Ratio	Lower	Upper
128	100		
49	157.9	122.4	227.2
130	125.8	87.8	163.0
51	50.6	44.0	66.0

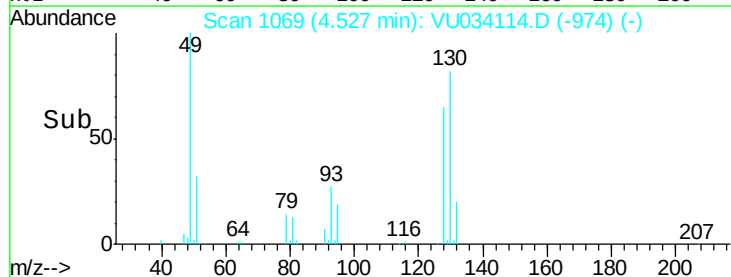
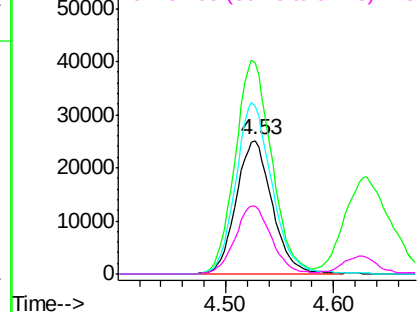


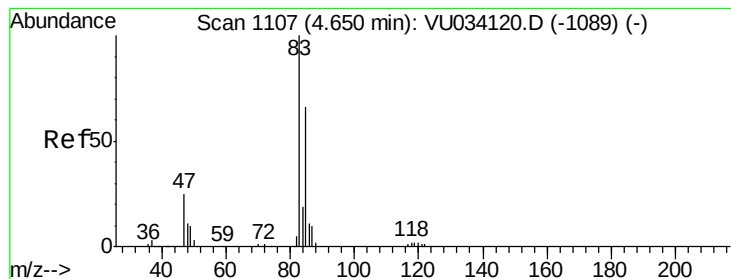
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 3.710 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

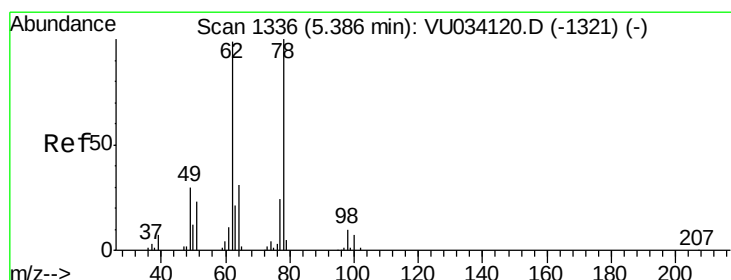
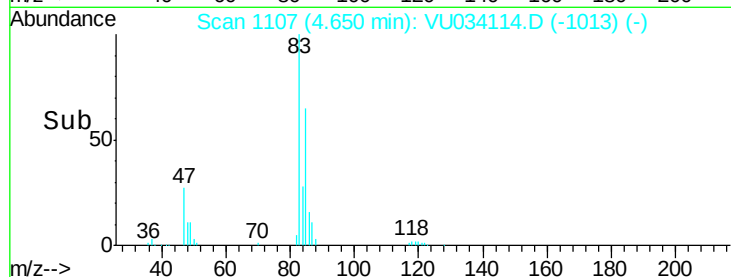
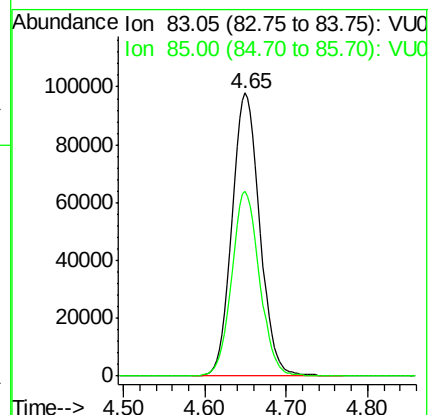
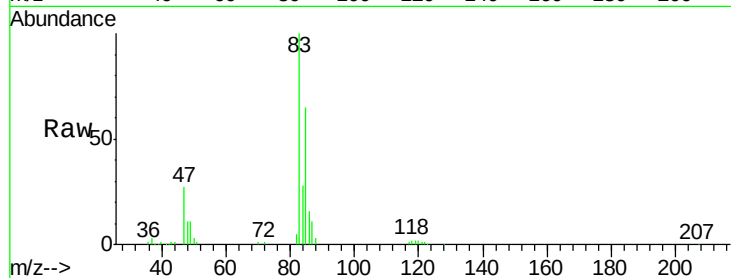
VSTDCCC005

Tot Ion: 83 Resp: 234165

Ion Ratio Lower Upper

83 100

85 65.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 3.557 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034114.D

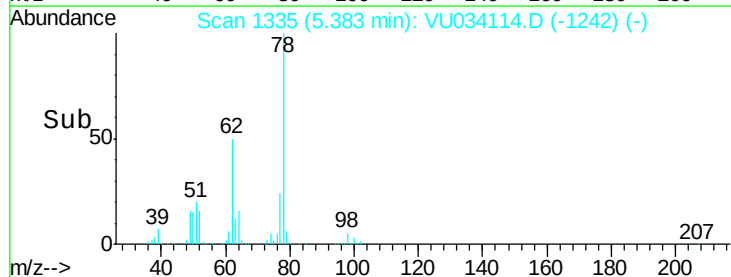
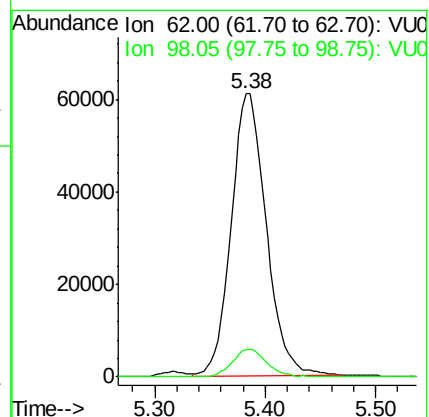
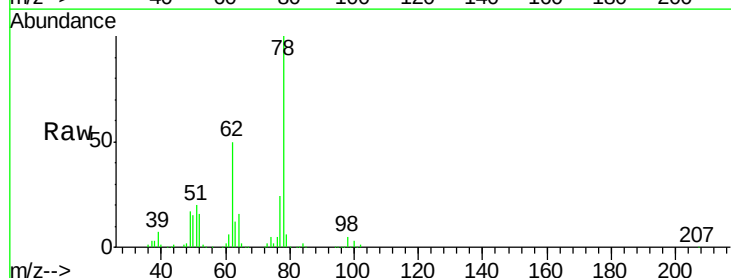
Acq: 31 Aug 2019 10:37

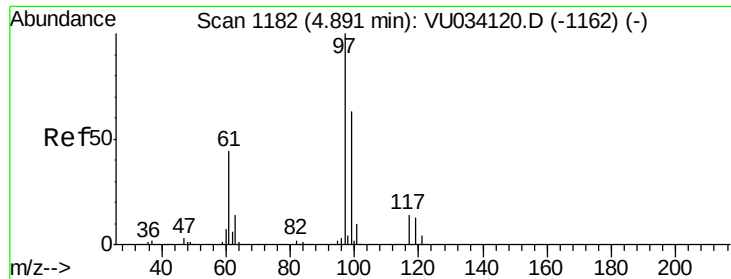
Tgt Ion: 62 Resp: 134365

Ion Ratio Lower Upper

62 100

98 9.6 7.2 10.8

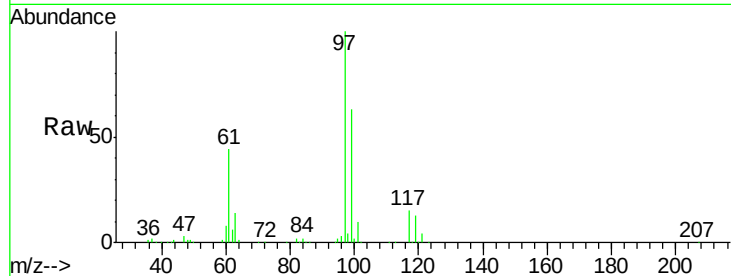




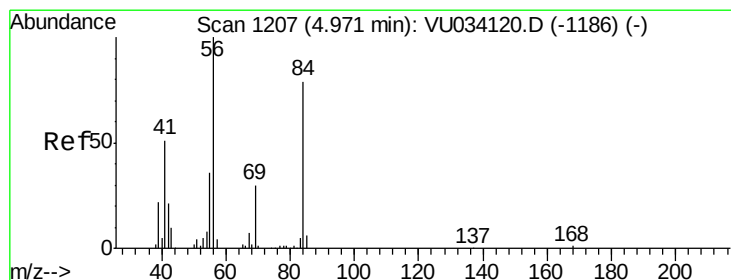
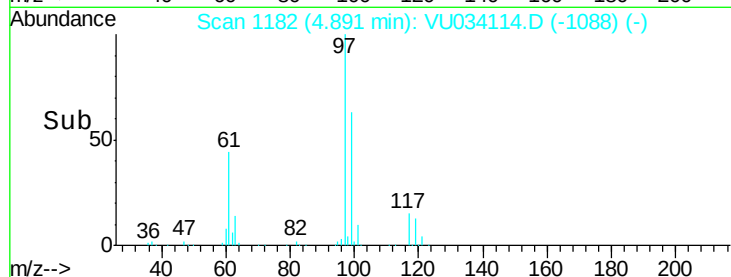
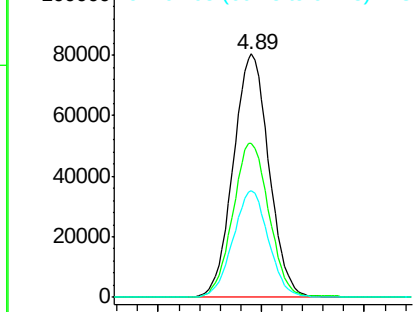
#29
 1,1,1-Trichloroethane
 Concen: 4.373 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC005

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	43.6	39.1	58.7

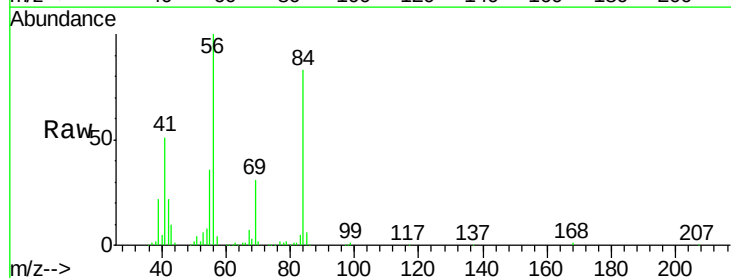


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

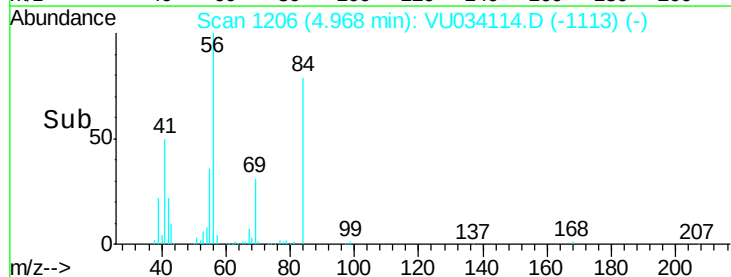
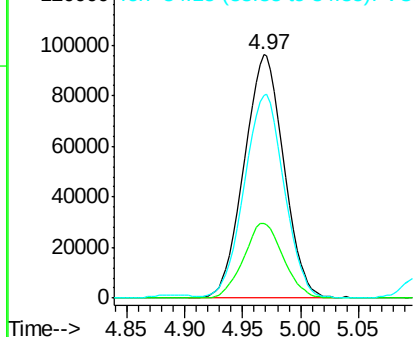


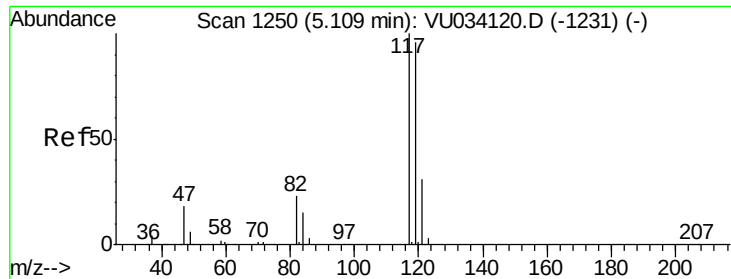
#30
 Cyclohexane
 Concen: 5.145 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.5	35.3
84	84.3	66.3	99.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.364 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

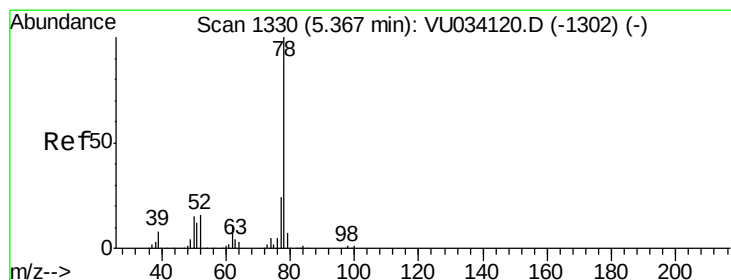
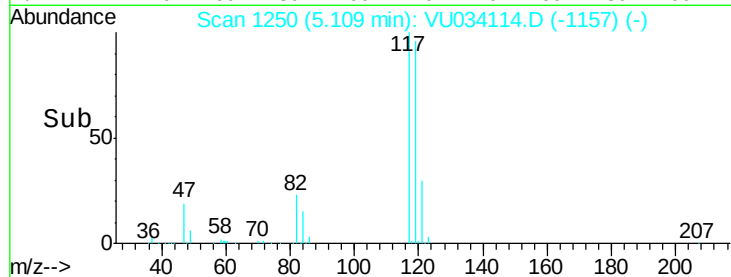
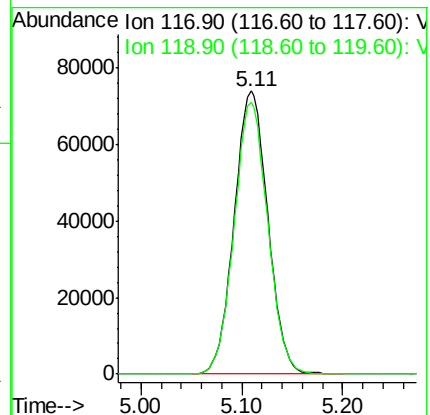
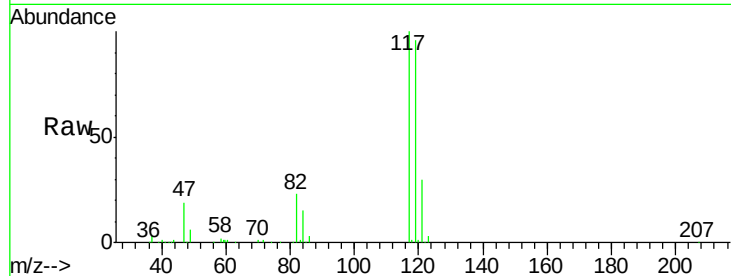
VSTDCCC005

Tot Ion:117 Resp: 171217

Ion Ratio Lower Upper

117 100

119 96.1 76.4 114.6



#33

Benzene

Concen: 4.702 ug/L

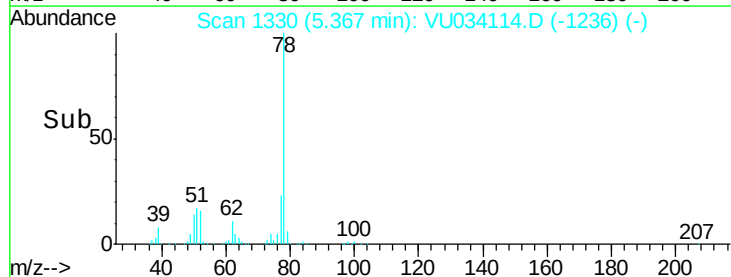
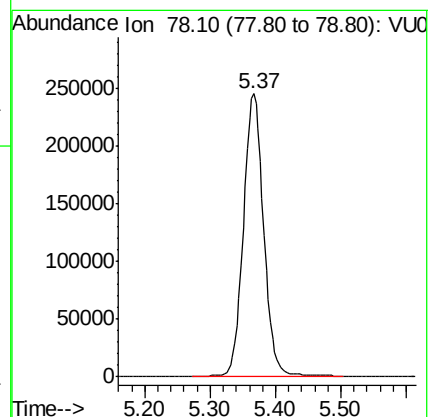
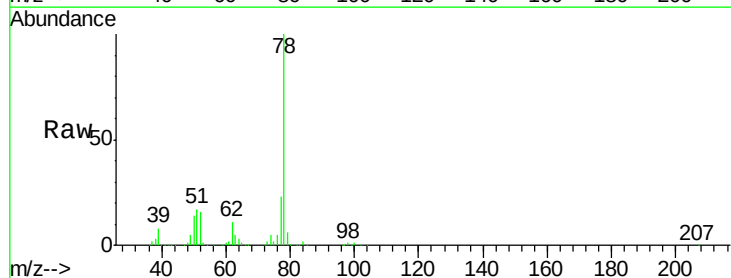
RT: 5.37 min Scan# 1330

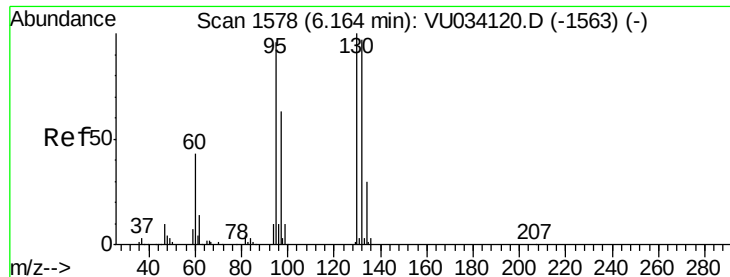
Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Tgt Ion: 78 Resp: 531993





#34

Trichloroethene

Concen: 4.711 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

Tot Ion: 95 Resp: 137352

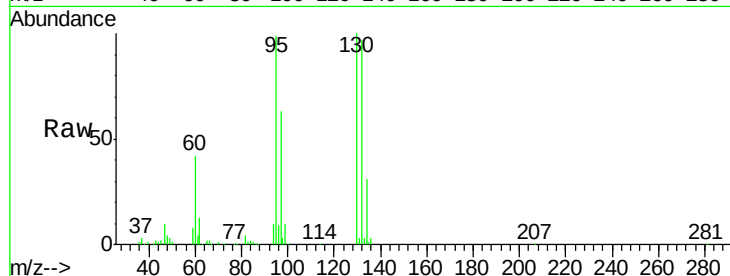
Ion Ratio Lower Upper

95 100

97 63.3 46.9 87.1

132 97.4 67.9 126.1

130 100.8 74.1 137.7

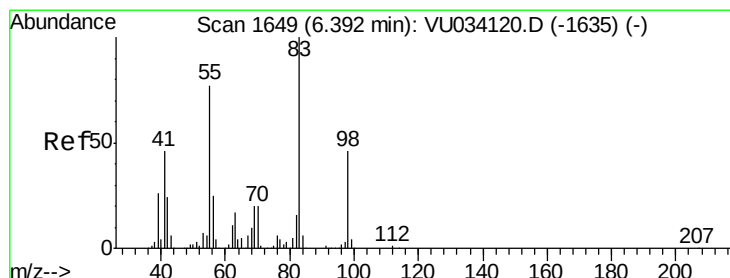
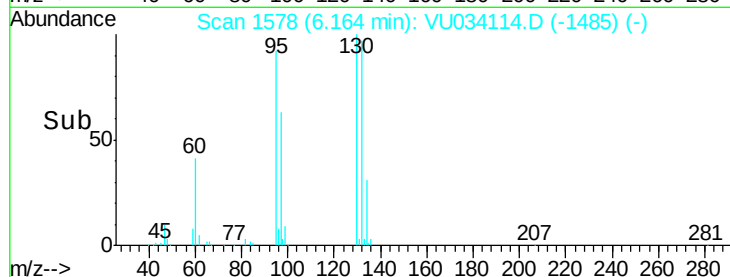
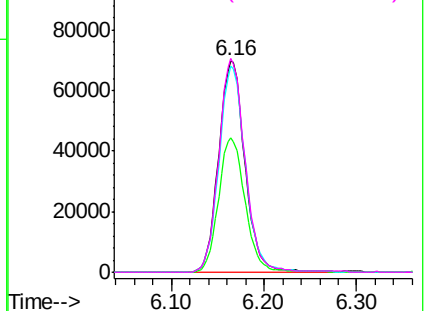


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.260 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

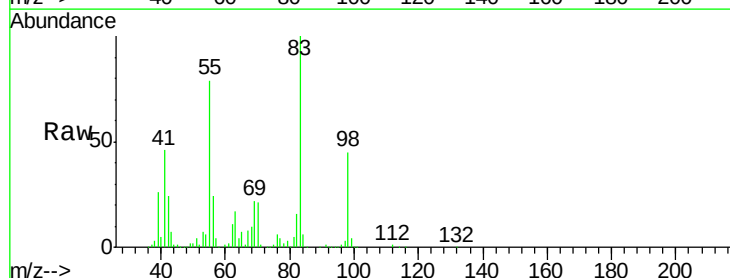
Tgt Ion: 83 Resp: 232491

Ion Ratio Lower Upper

83 100

55 78.5 68.6 103.0

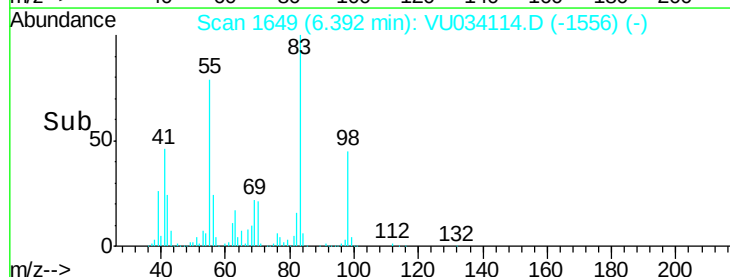
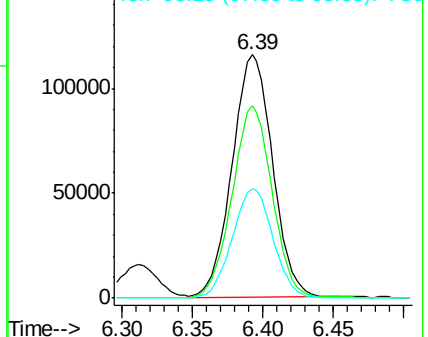
98 45.7 38.7 58.1

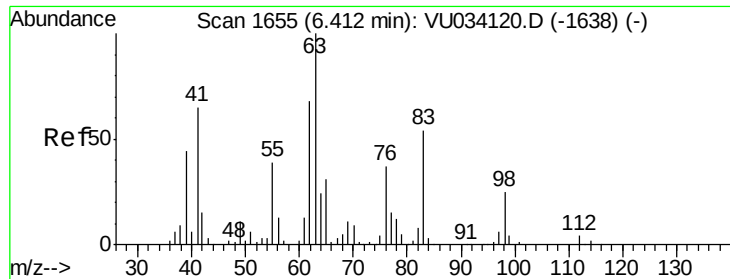


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.402 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

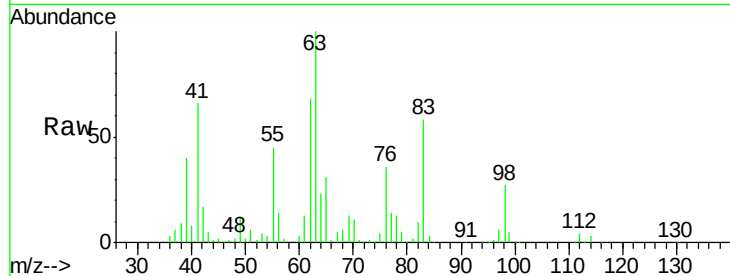
VSTDCCC005

Tot Ion: 63 Resp: 136413

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU034114.D (-1562) (-)

Ion 112.10 (111.80 to 112.80): VU034114.D (-1562) (-)

6.41

80000

60000

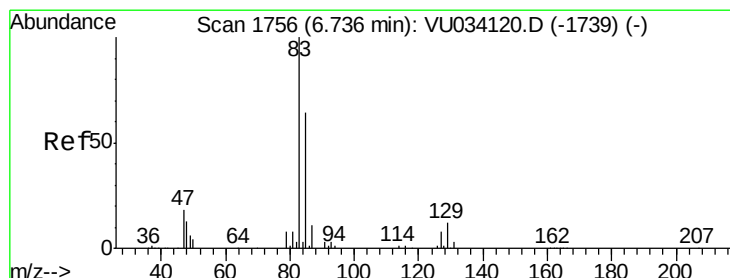
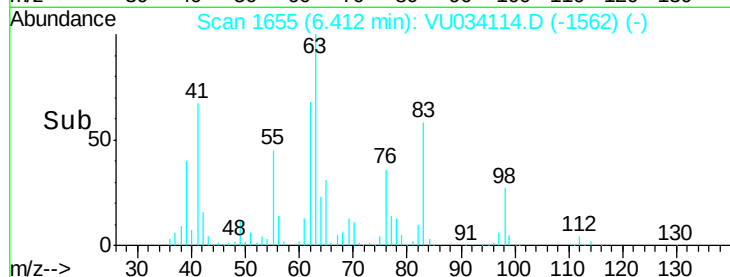
40000

20000

0

6.30 6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.148 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

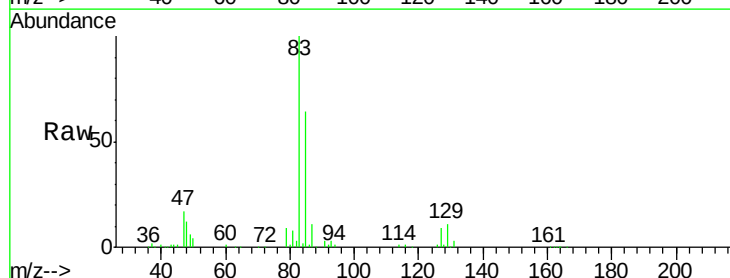
Tgt Ion: 83 Resp: 157436

Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 8.7 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU034114.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU034114.D (-1663) (-)

Ion 126.90 (126.60 to 127.60): VU034114.D (-1663) (-)

6.74

100000

80000

60000

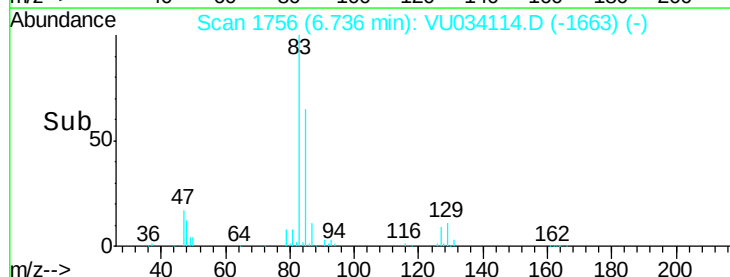
40000

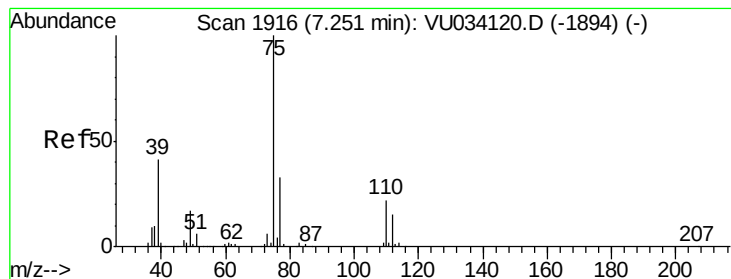
20000

0

6.65 6.70 6.75 6.80

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.747 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

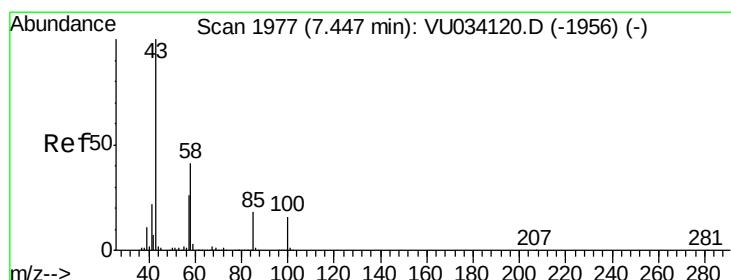
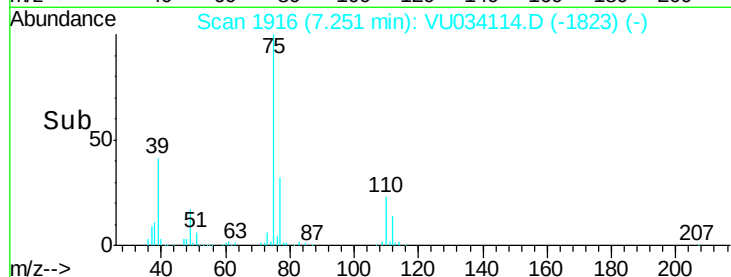
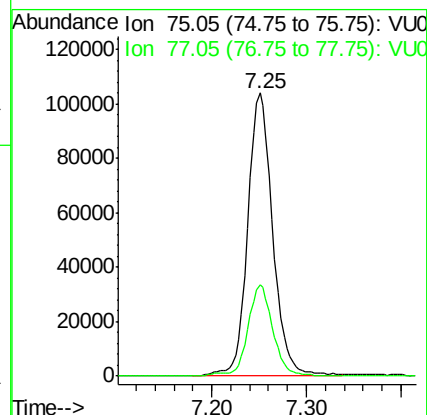
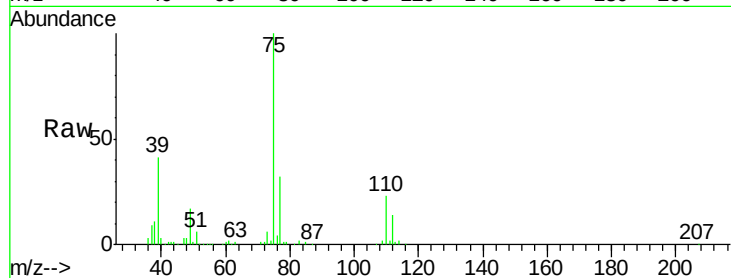
VSTDCCC005

Tot Ion: 75 Resp: 191790

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 40.395 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

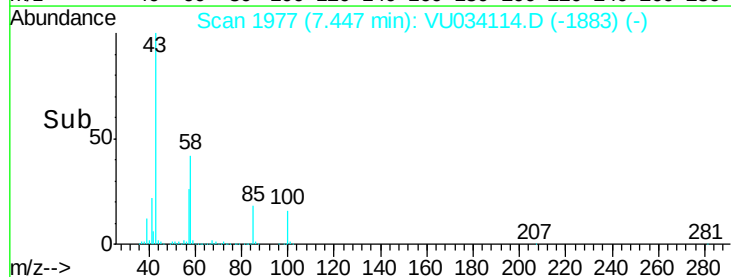
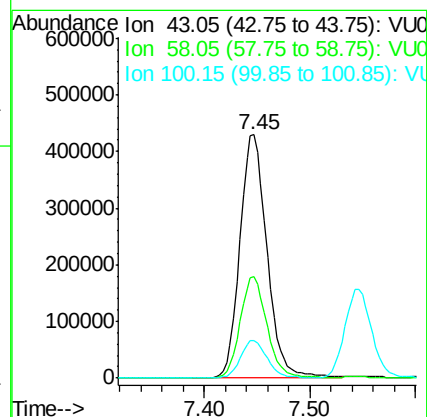
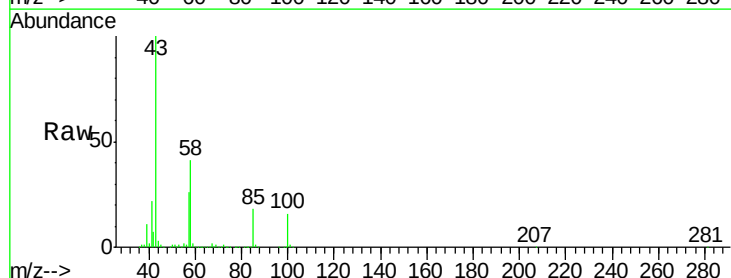
Tgt Ion: 43 Resp: 765902

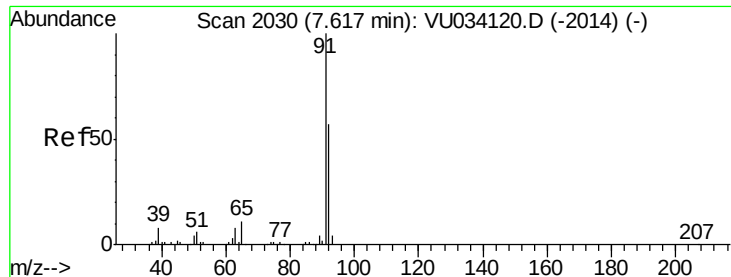
Ion Ratio Lower Upper

43 100

58 41.3 30.3 45.5

100 15.3 11.4 17.2





#42

Toluene

Concen: 5.042 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

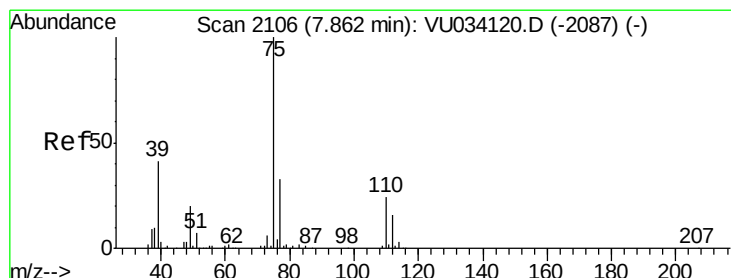
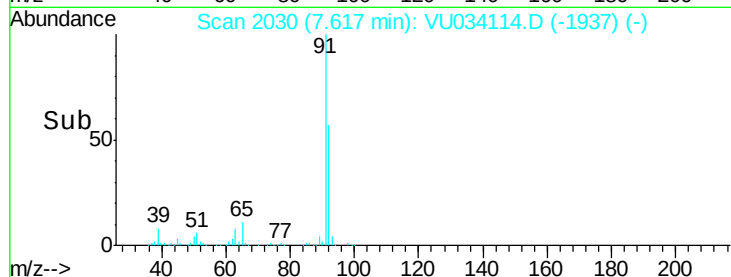
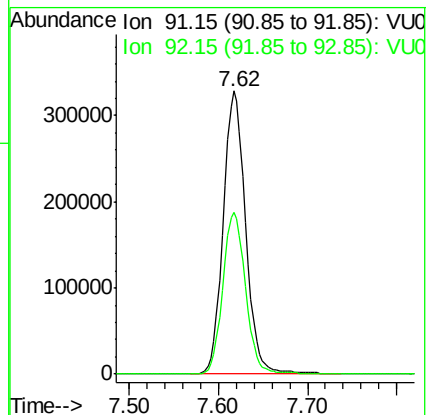
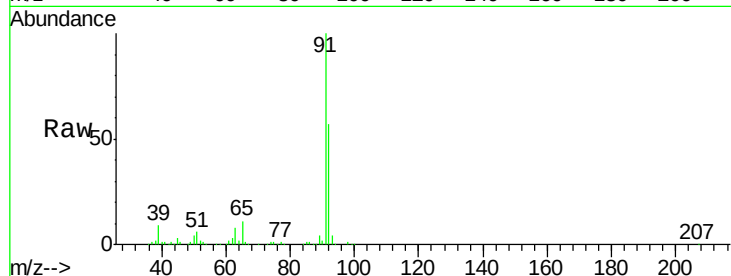
VSTDCCC005

Tot Ion: 91 Resp: 572962

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.401 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034114.D

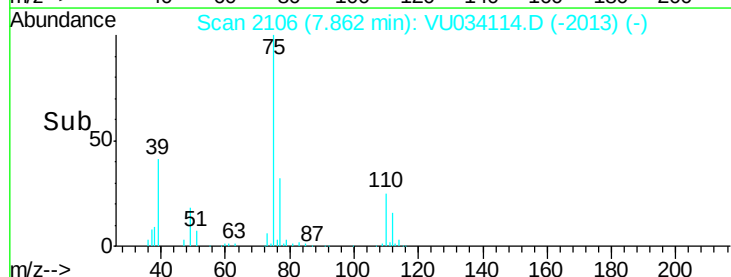
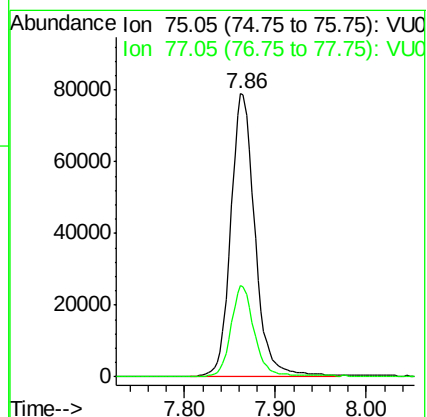
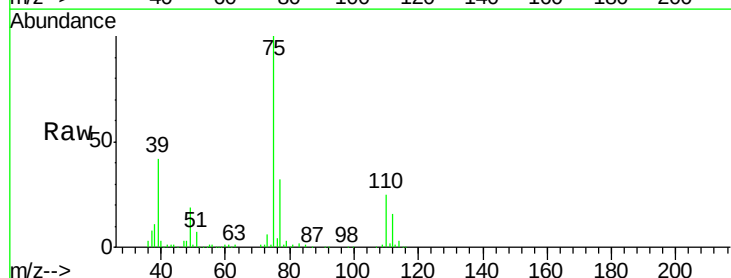
Acq: 31 Aug 2019 10:37

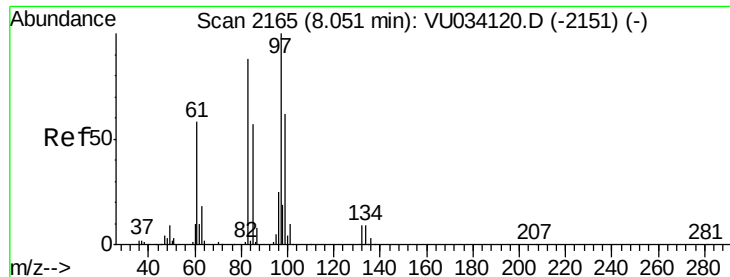
Tgt Ion: 75 Resp: 146966

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1

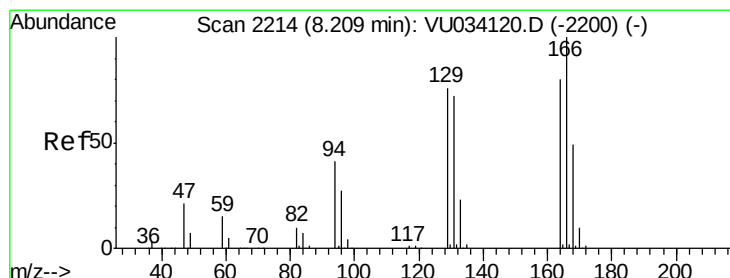
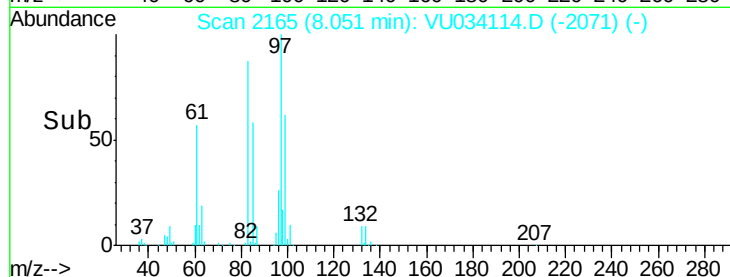
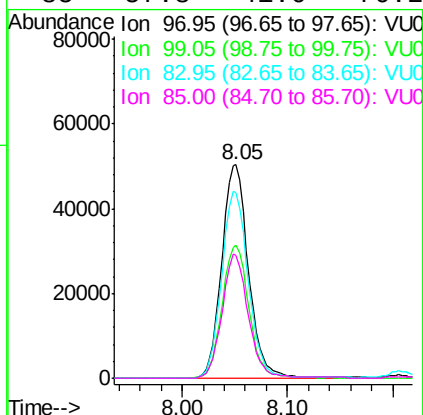
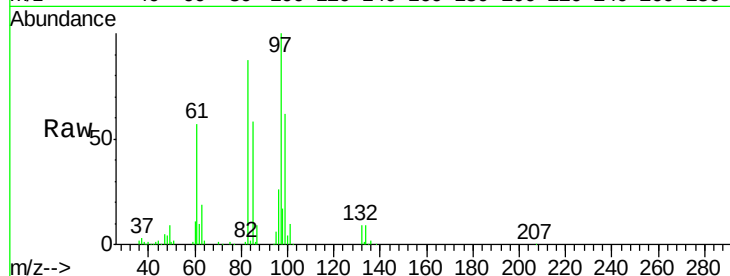




#45
 1,1,2-Trichloroethane
 Concen: 4.225 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

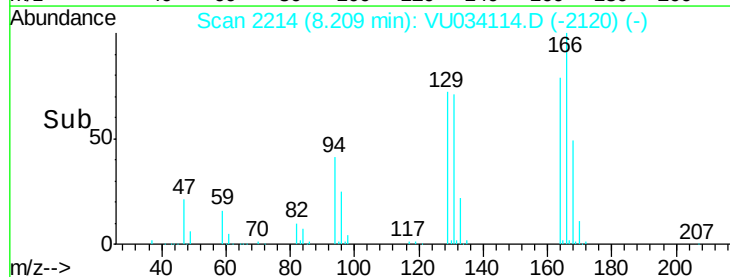
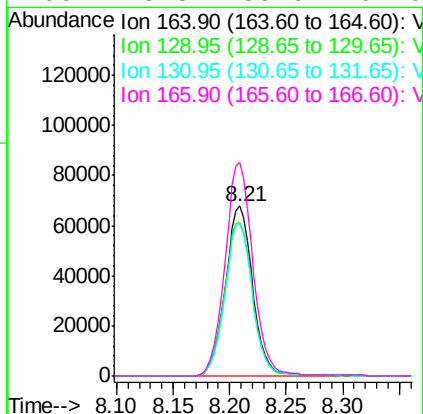
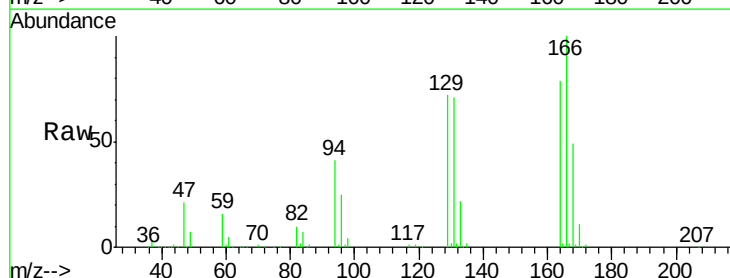
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC005

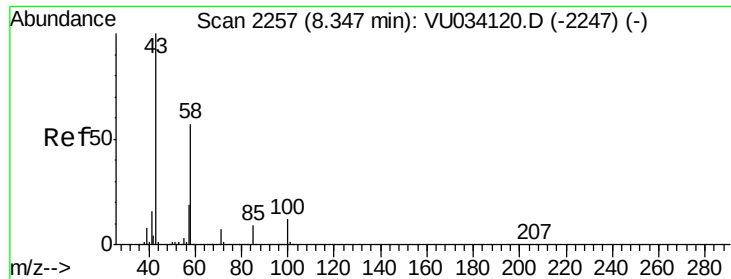
Tot Ion:	97	Resp:	88482
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.9	83.3
83	86.8	62.6	116.3
85	57.8	41.0	76.2



#47
 Tetrachloroethene
 Concen: 4.995 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Tgt Ion:	164	Resp:	114640
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.9	120.5
131	89.5	63.7	118.3
166	125.8	89.9	167.0

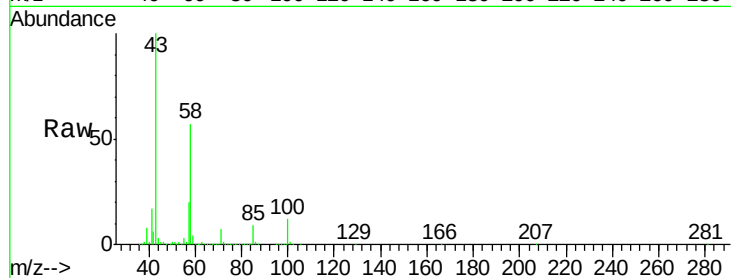




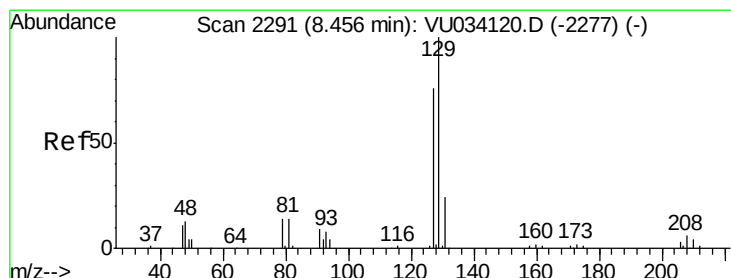
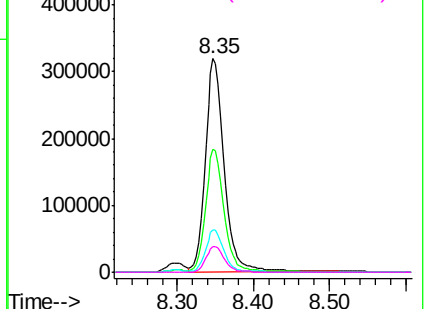
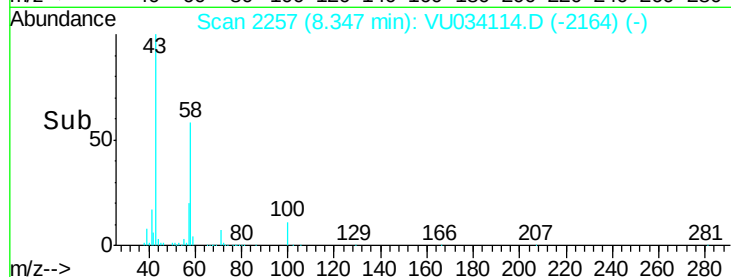
#48
2-Hexanone
Concen: 41.498 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

Tot Ion: 43 Resp: 551064
Ion Ratio Lower Upper
43 100
58 56.2 42.9 64.3
57 19.3 14.8 22.2
100 12.2 9.0 13.6

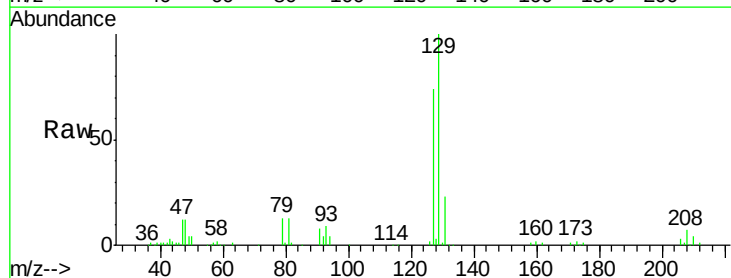


Abundance Ion 43.05 (42.75 to 43.75): VU034114.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU034114.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU034114.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU034114.D (-2164) (-)

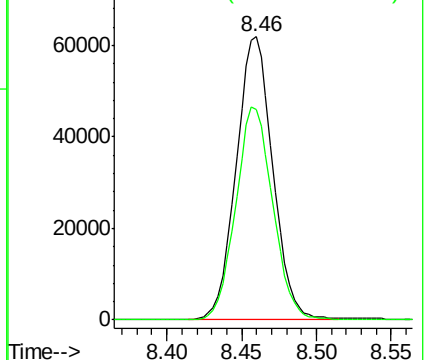
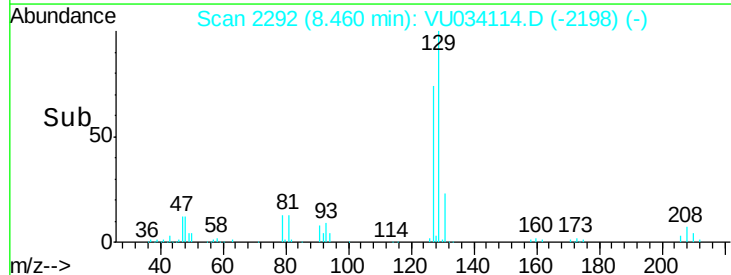


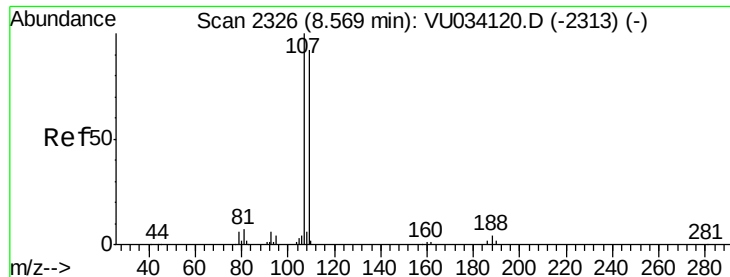
#49
Dibromochloromethane
Concen: 4.273 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion: 129 Resp: 105559
Ion Ratio Lower Upper
129 100
127 74.4 55.6 103.2



Abundance Ion 128.95 (128.65 to 129.65): VU034114.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU034114.D (-2198) (-)

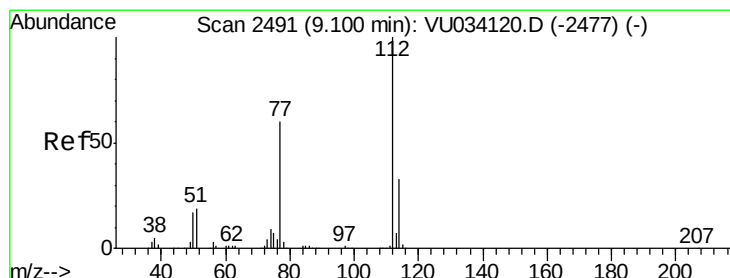
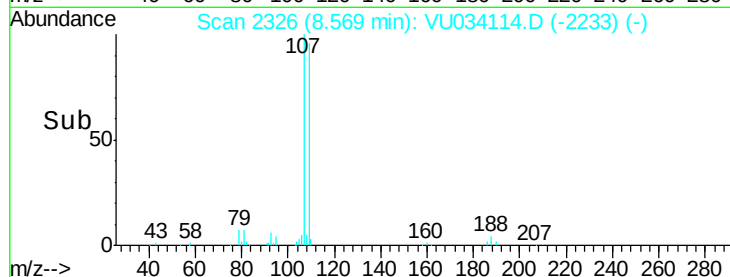
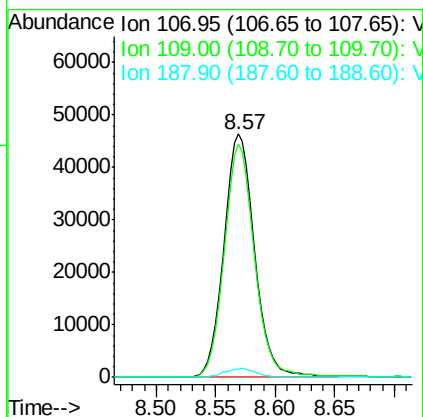
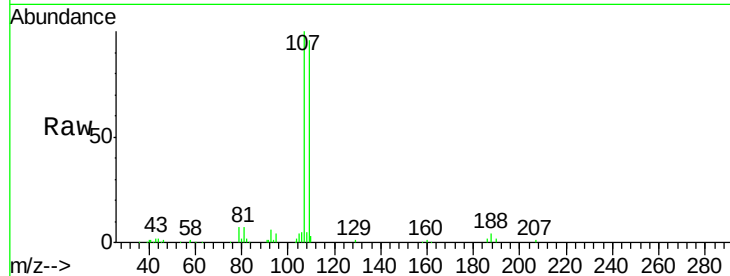




#50
1,2-Dibromoethane
Concen: 4.138 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

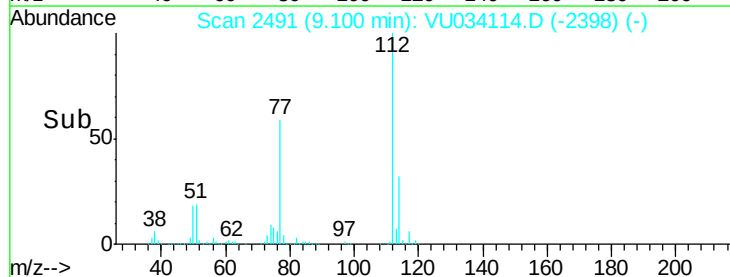
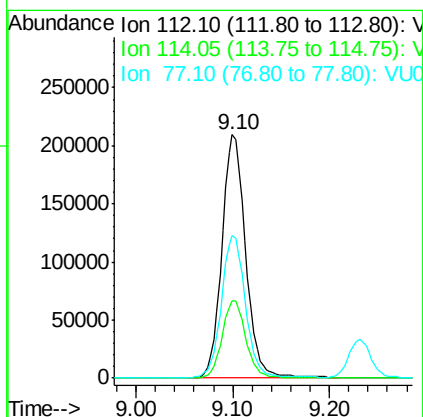
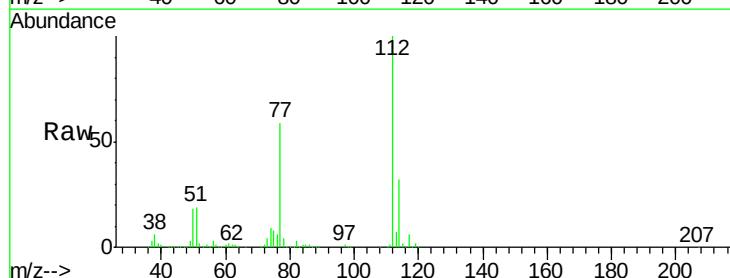
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

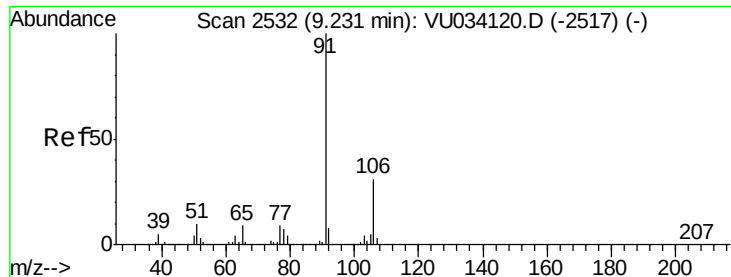
Tot Ion:107 Resp: 82903
Ion Ratio Lower Upper
107 100
109 95.9 64.7 120.1
188 3.5 3.4 5.2



#51
Chlorobenzene
Concen: 4.809 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion:112 Resp: 357671
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 58.6 48.0 72.0





#52

Ethylbenzene

Concen: 5.215 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

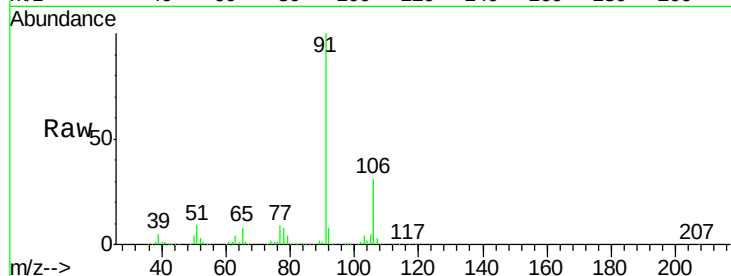
VSTDCCC005

Tot Ion: 91 Resp: 619229

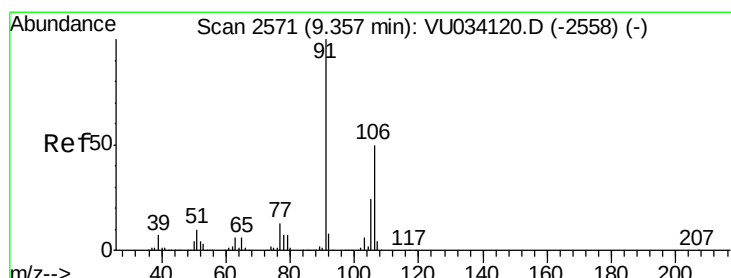
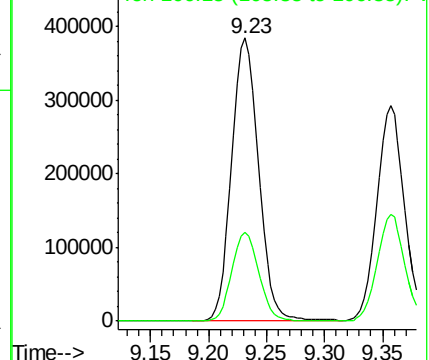
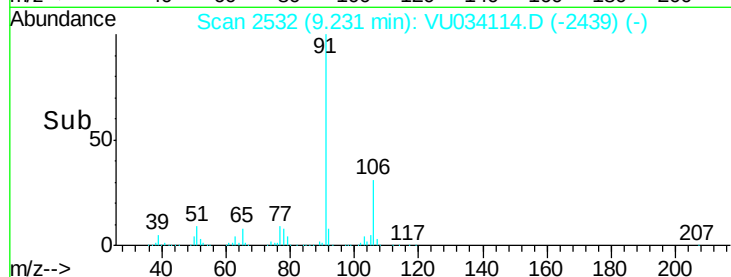
Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VU034114.D (-2439) (-)



#53

m,p-Xylene

Concen: 5.428 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034114.D

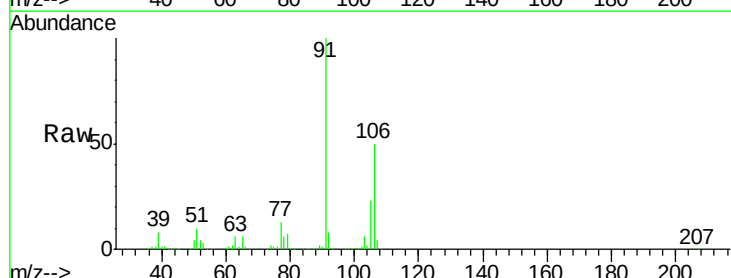
Acq: 31 Aug 2019 10:37

Tgt Ion: 106 Resp: 241125

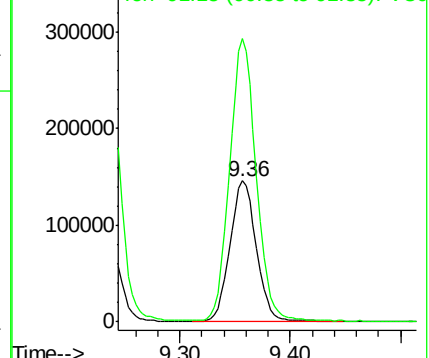
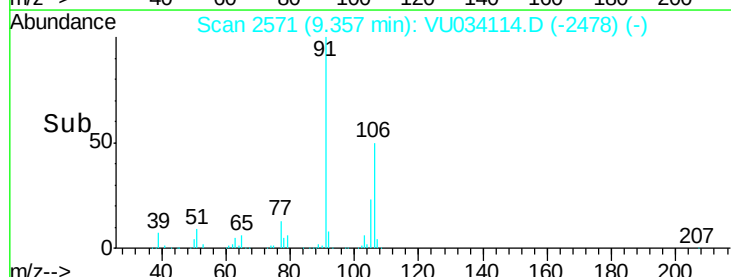
Ion Ratio Lower Upper

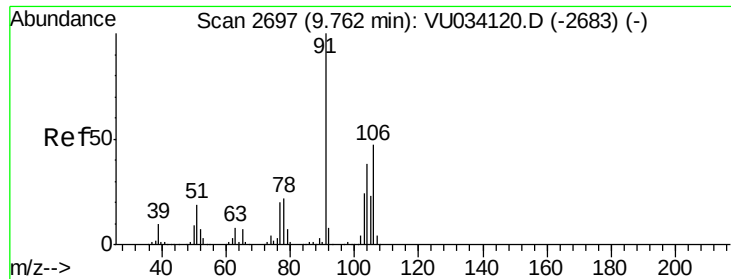
106 100

91 201.2 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): VU034114.D (-2478) (-)

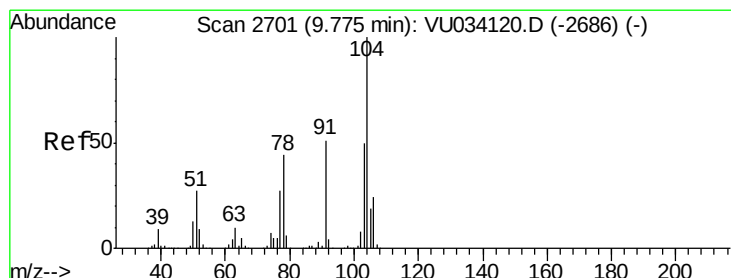
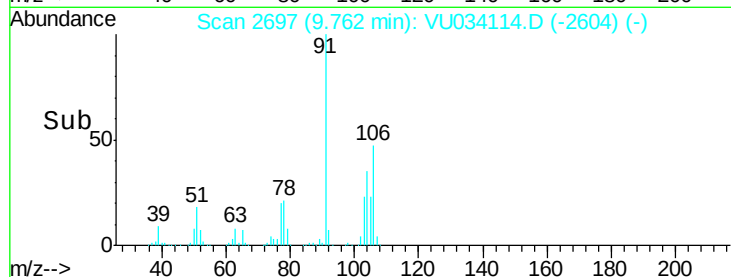
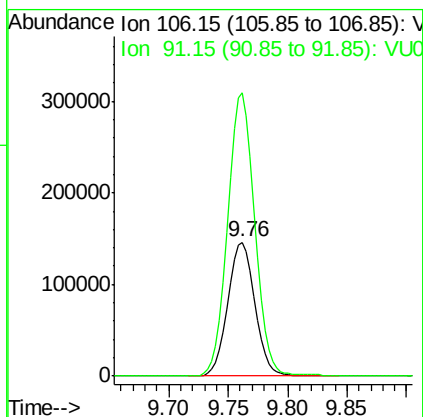
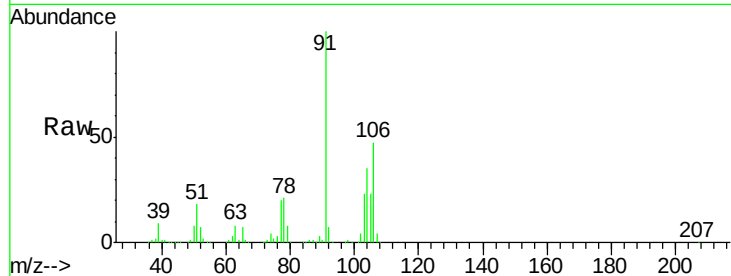




#54
o-Xylene
Concen: 5.525 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

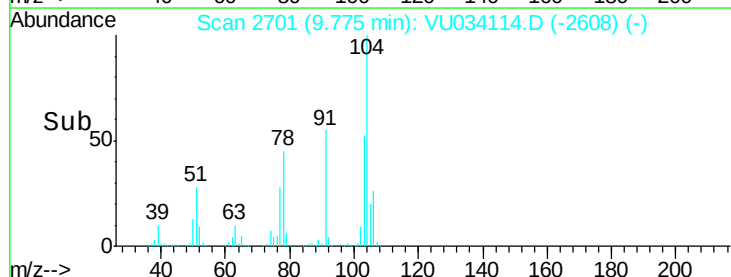
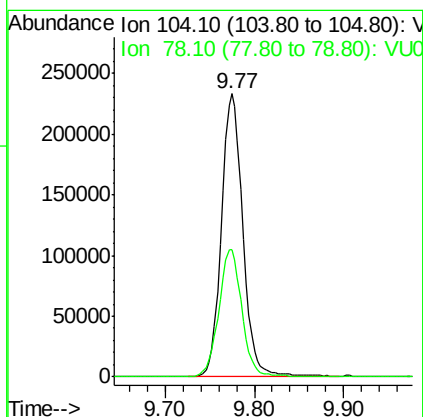
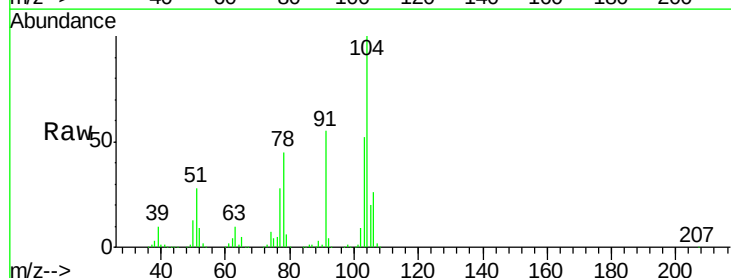
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC005

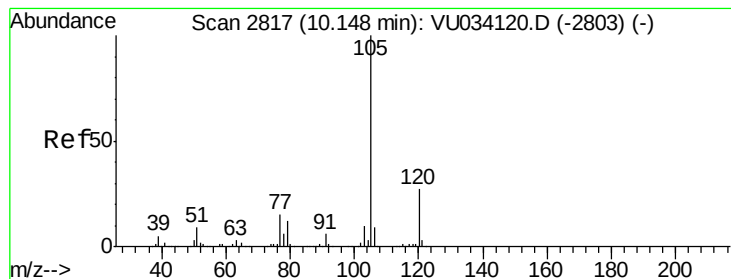
Tot Ion:106 Resp: 231720
Ion Ratio Lower Upper
106 100
91 211.2 150.6 279.6



#55
Styrene
Concen: 5.388 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034114.D
Acq: 31 Aug 2019 10:37

Tgt Ion:104 Resp: 389091
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.3





#56

Isopropylbenzene

Concen: 5.491 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

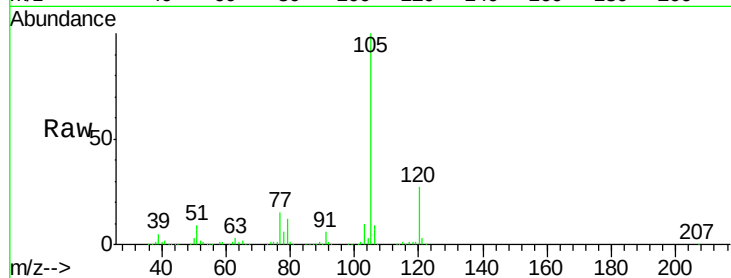
Tot Ion:105 Resp: 608941

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

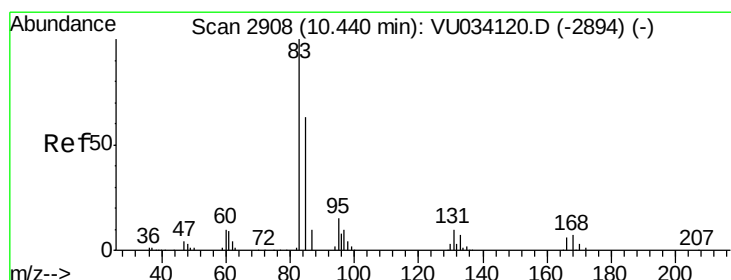
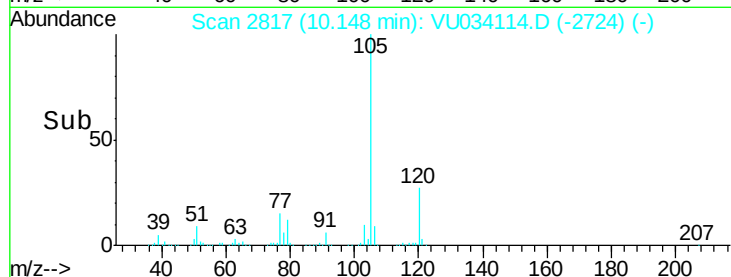
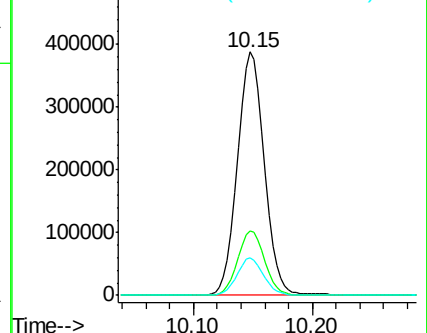
77 15.3 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.019 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

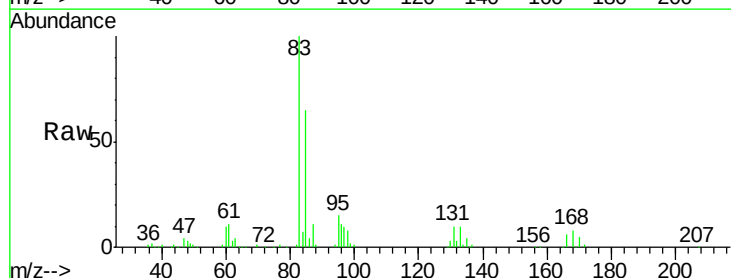
Tgt Ion: 83 Resp: 111148

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9

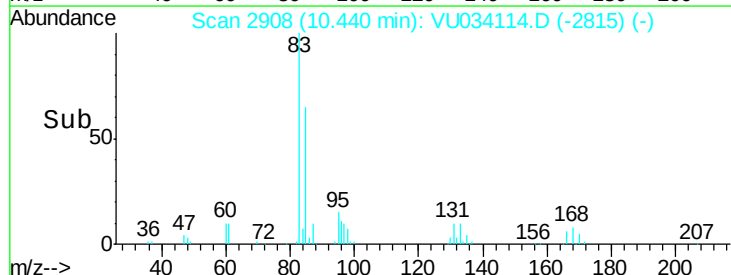
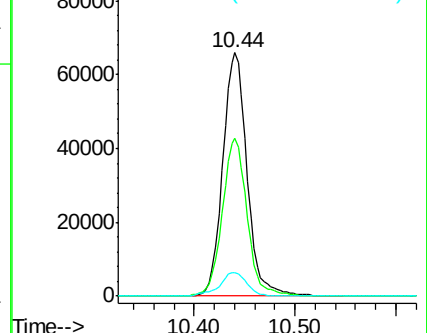
131 9.9 7.8 11.8

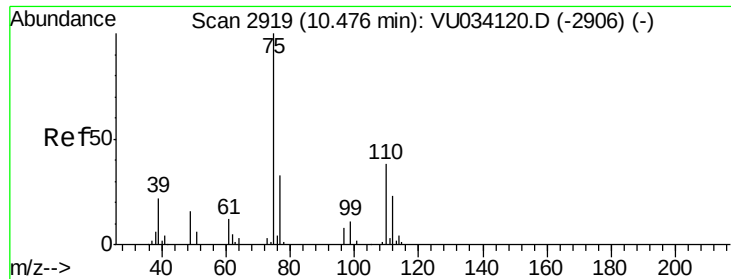


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 3.991 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

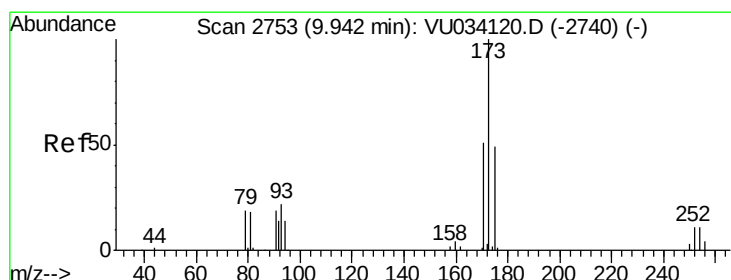
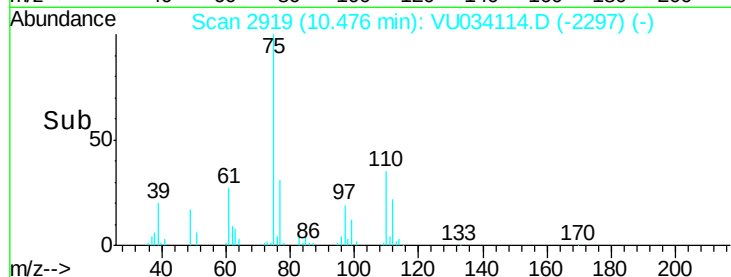
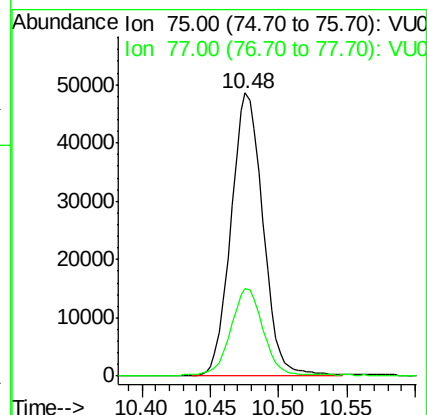
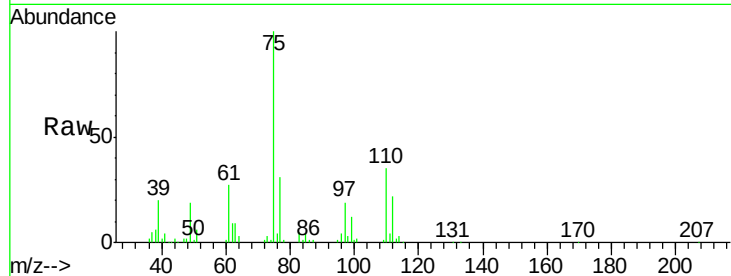
VSTDCCC005

Tot Ion: 75 Resp: 79270

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#61

Bromoform

Concen: 3.987 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

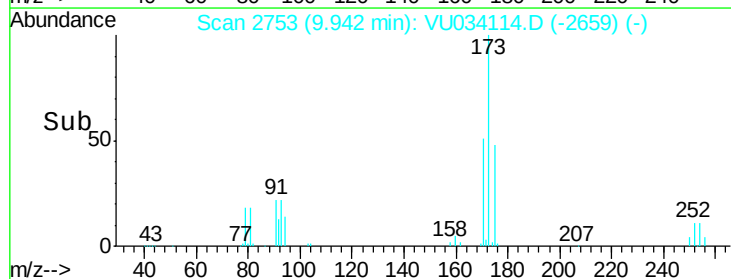
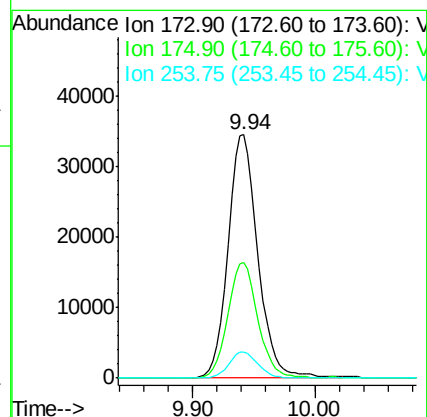
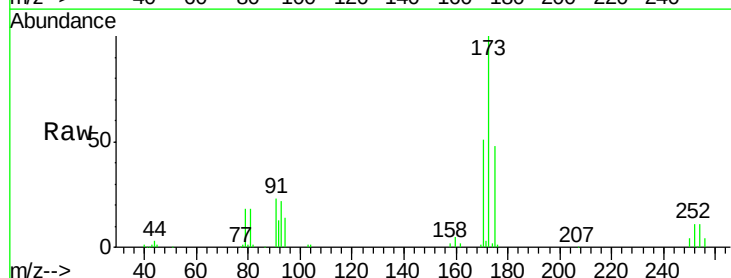
Tgt Ion: 173 Resp: 59272

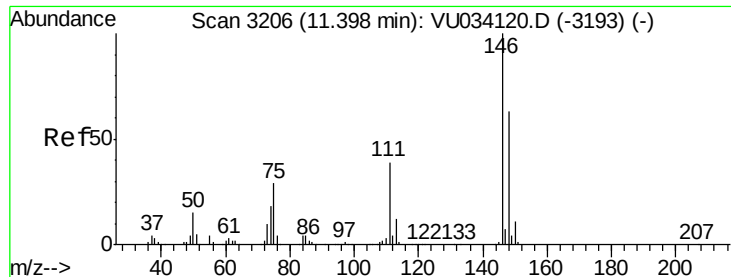
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 10.4 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 4.899 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

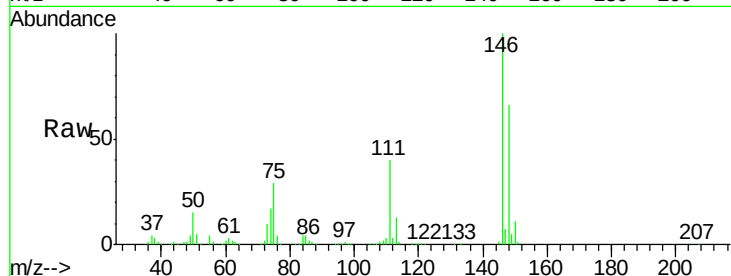
Tot Ion:146 Resp: 299110

Ion Ratio Lower Upper

146 100

111 40.0 28.8 53.6

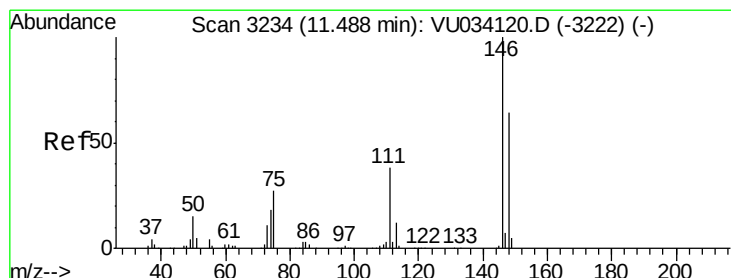
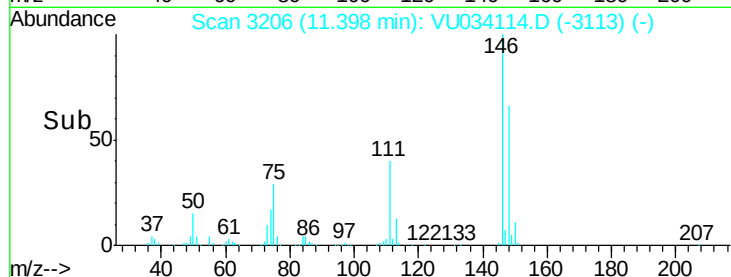
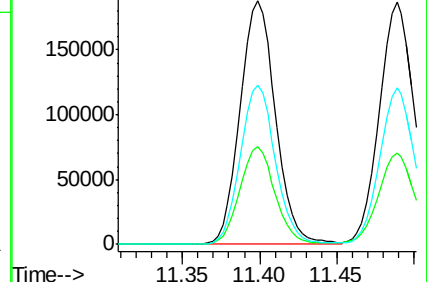
148 65.6 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.749 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

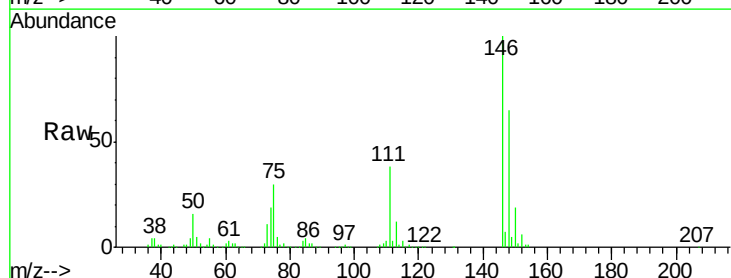
Tgt Ion:146 Resp: 300777

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

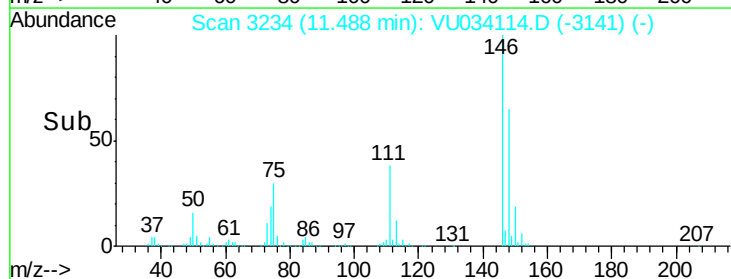
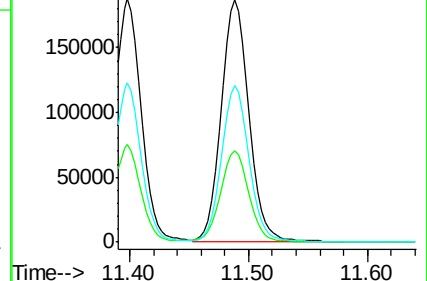
148 64.8 44.7 82.9

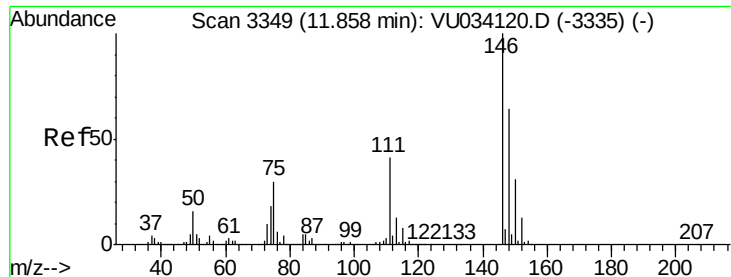


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.722 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

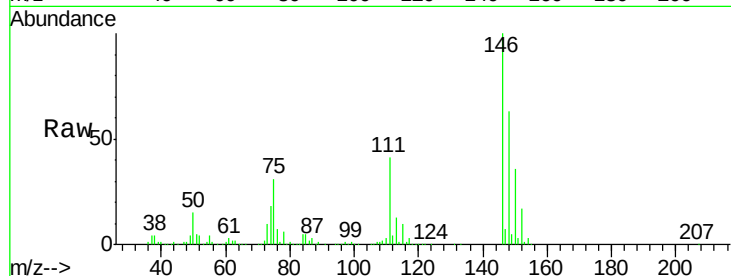
Tot Ion:146 Resp: 277138

Ion Ratio Lower Upper

146 100

111 41.3 34.3 51.5

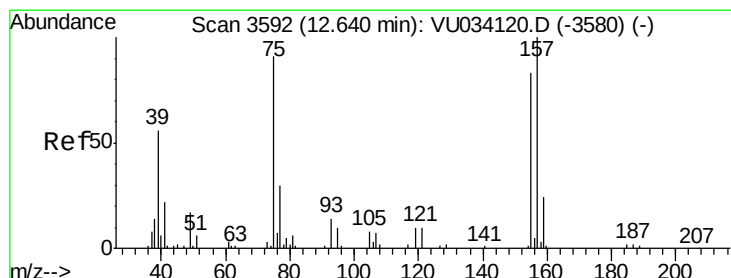
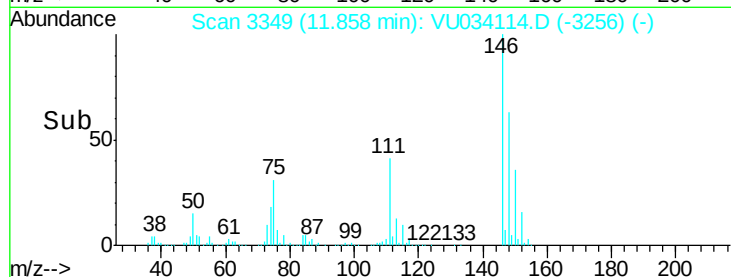
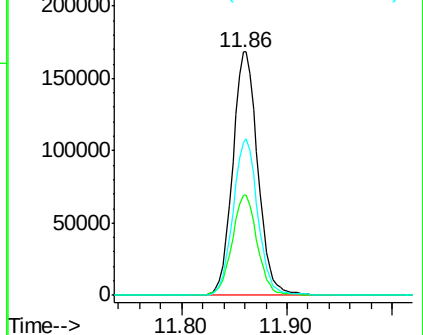
148 63.0 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.751 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

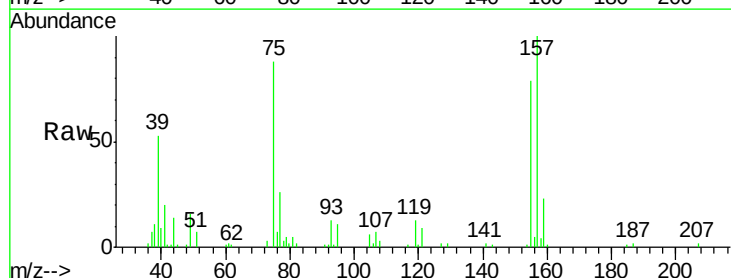
Tgt Ion: 75 Resp: 17140

Ion Ratio Lower Upper

75 100

155 90.1 63.0 94.4

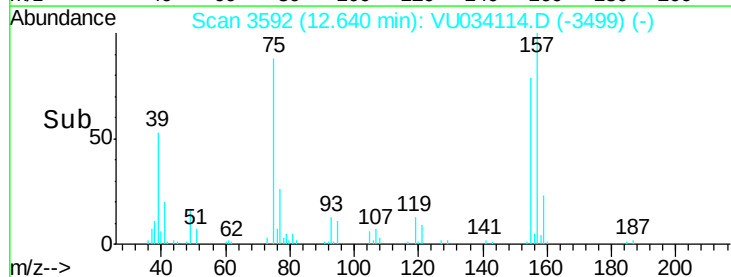
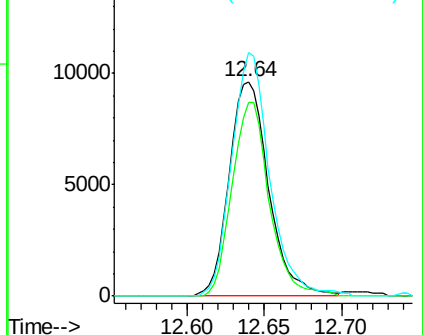
157 113.4 79.4 119.0

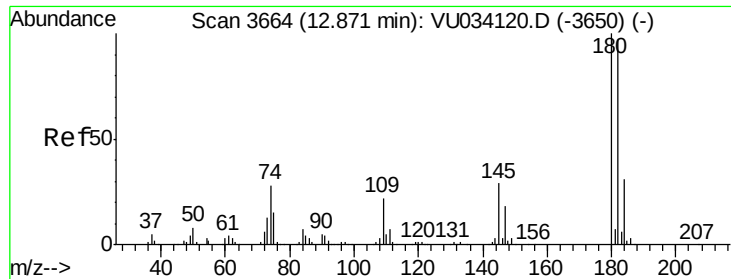


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

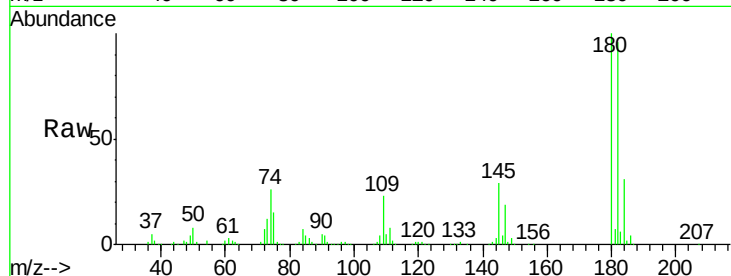




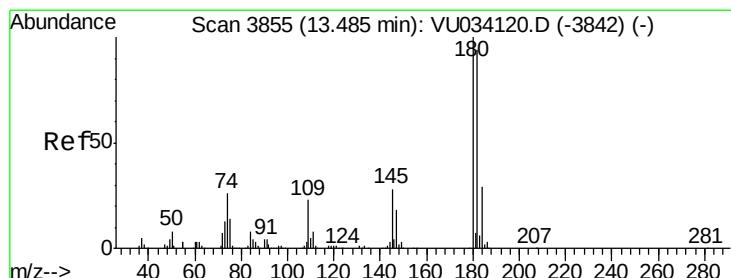
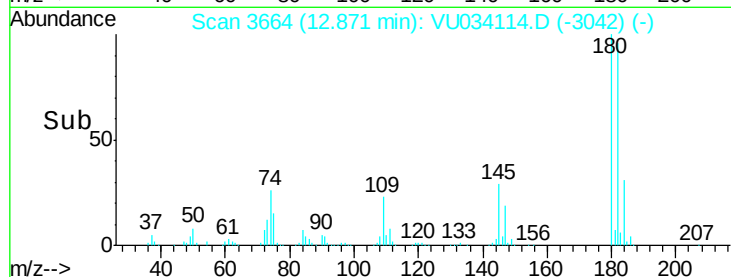
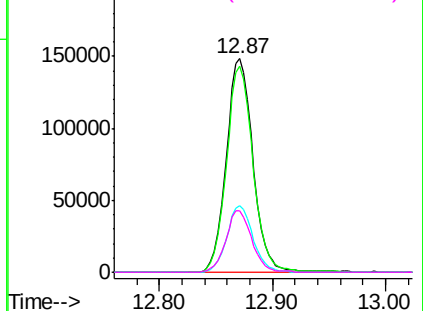
#67
 1,3,5-Trichlorobenzene
 Concen: 5.122 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC005

Tot Ion:180	Resp:	243391
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.9 115.3
184	30.7	24.0 36.0
145	28.2	22.6 34.0

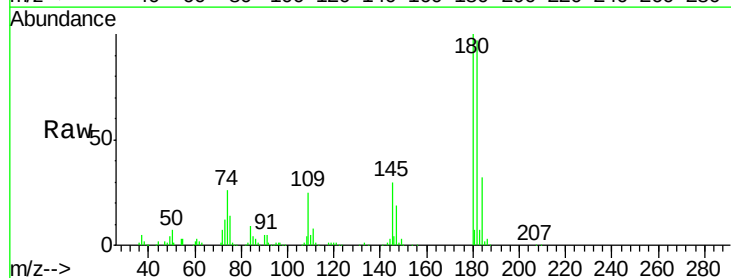


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

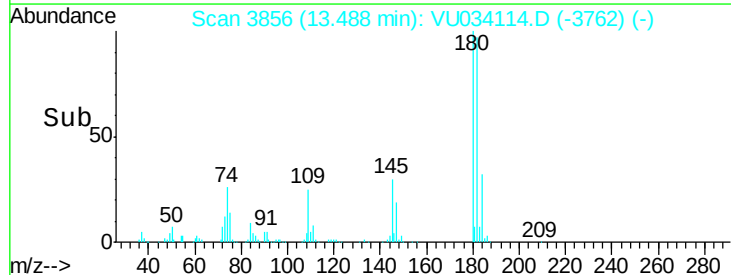
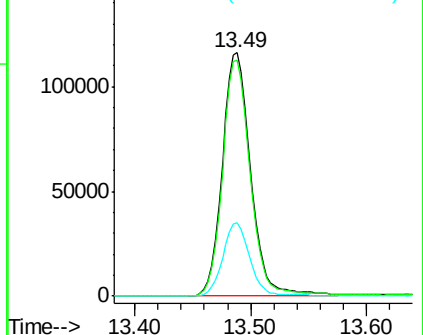


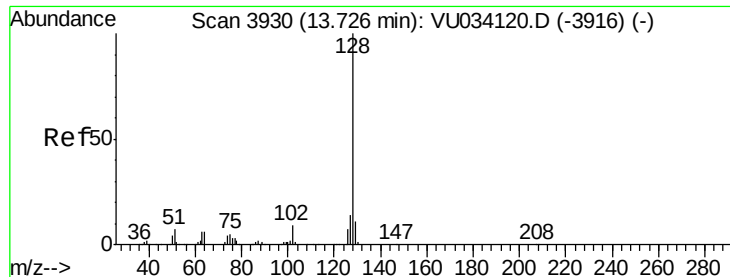
#68
 1,2,4-trichlorobenzene
 Concen: 5.596 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034114.D
 Acq: 31 Aug 2019 10:37

Tgt Ion:180	Resp:	198317
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.4 114.6
145	28.9	23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.537 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC005

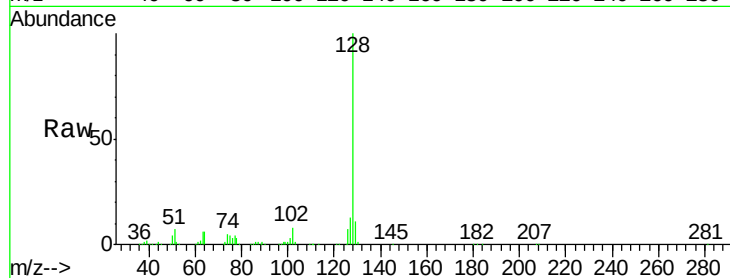
Tot Ion:128 Resp: 304917

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

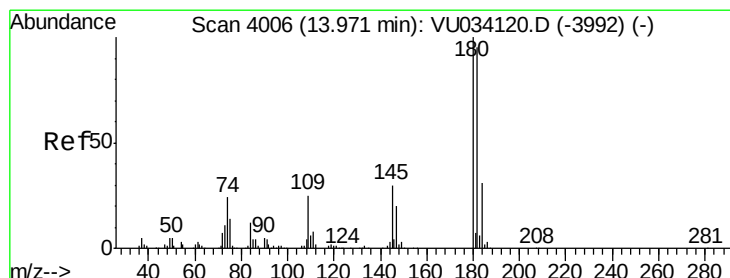
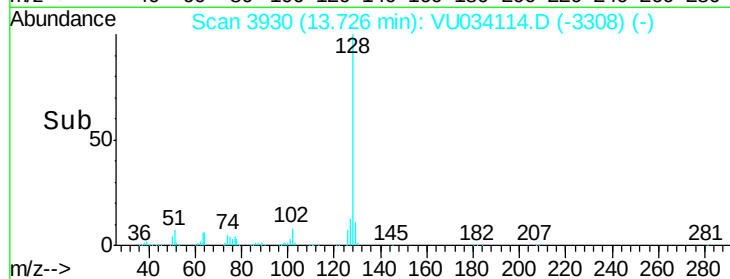
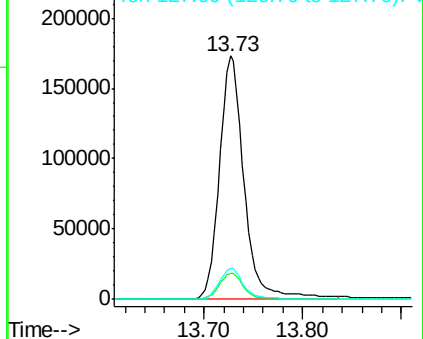
127 12.6 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.176 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034114.D

Acq: 31 Aug 2019 10:37

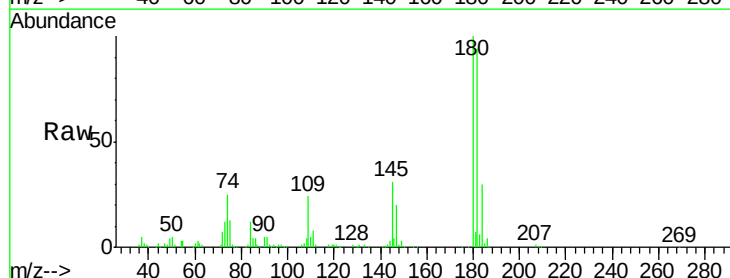
Tgt Ion:180 Resp: 177695

Ion Ratio Lower Upper

180 100

182 96.2 78.6 117.8

145 30.8 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

