

Data File : VU034888.D
Acq On : 30 Sep 2019 19:39
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Quant Time: Oct 01 04:32:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 01 03:53:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	342947	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	330885	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	151883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	113601	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.52%
7) Chloroethane-d5	1.67	69	96552	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.62%
11) 1,1-Dichloroethene-d2	2.26	63	205759	48.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.04%
21) 2-Butanone-d5	4.15	46	236733	100.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	4.62	84	231993	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.29	65	167897	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
32) Benzene-d6	5.32	84	453023	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.31	67	153311	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.02%
41) Toluene-d8	7.54	98	427169	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.83	79	71099	51.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.66%
47) 2-Hexanone-d5	8.29	63	155934	105.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	221372	50.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.10%
64) 1,2-Dichlorobenzene-d4	11.84	152	151301	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95433	48.240 ug/L	99
3) Chloromethane	1.32	50	81408	47.832 ug/L	97
5) Vinyl chloride	1.40	62	84284	49.488 ug/L	98
6) Bromomethane	1.62	94	43461	50.139 ug/L	100
8) Chloroethane	1.69	64	52648	48.032 ug/L	100
9) Trichlorofluoromethane	1.87	101	125135	48.497 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	78380	48.382 ug/L	99
12) 1,1-Dichloroethene	2.27	96	61888	48.116 ug/L	95
13) Acetone	2.31	43	163907	87.928 ug/L	99
14) Carbon disulfide	2.46	76	102817	49.862 ug/L	100
15) Methyl Acetate	2.60	43	142940	48.037 ug/L	98
16) Methylene chloride	2.68	84	88894	47.315 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	65269	49.445 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	357488	48.236 ug/L	100
19) 1,1-Dichloroethane	3.42	63	189204	48.331 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	94904	48.881 ug/L	94
22) 2-Butanone	4.24	43	236605	97.723 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Tue Oct 01 03:53:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	46432	49.927	ug/L	95
25) Chloroform	4.65	83	204085	47.582	ug/L	98
27) 1,2-Dichloroethane	5.38	62	164000	49.132	ug/L	99
29) Cyclohexane	4.97	56	120280	50.111	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	158132	49.942	ug/L	99
31) Carbon tetrachloride	5.11	117	120987	49.594	ug/L	97
33) Benzene	5.37	78	361095	51.166	ug/L	100
34) Trichloroethene	6.16	95	88164	50.069	ug/L	98
35) Methylcyclohexane	6.39	83	111619	50.435	ug/L	99
37) 1,2-Dichloropropane	6.41	63	120477	50.487	ug/L	99
38) Bromodichloromethane	6.74	83	152951	50.096	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	173362	51.567	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	482060	99.612	ug/L	100
42) Toluene	7.61	91	385606	50.785	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	155041	50.544	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	111989	50.101	ug/L	98
46) Tetrachloroethene	8.21	164	58374	50.843	ug/L	98
48) 2-Hexanone	8.34	43	358412	97.595	ug/L	99
49) Dibromochloromethane	8.45	129	118963	50.971	ug/L	97
50) 1,2-Dibromoethane	8.56	107	105504	50.701	ug/L	97
51) Chlorobenzene	9.10	112	251657	48.909	ug/L	96
52) Ethylbenzene	9.23	91	447581	50.214	ug/L	99
53) m,p-Xylene	9.35	106	155597	49.962	ug/L	98
54) o-xylene	9.76	106	166535	50.704	ug/L	100
55) Styrene	9.77	104	288667	50.073	ug/L	98
56) Isopropylbenzene	10.14	105	460470	50.182	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	219032	49.019	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	175192	48.714	ug/L	99
61) Bromoform	9.94	173	86592	50.962	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	204622	49.854	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	199479	48.308	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	216250	49.071	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	48928	53.015	ug/L	97
67) 1,3,5-Trichlorobenzene	12.86	180	145804	52.186	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	119895	53.496	ug/L	96
69) Naphthalene	13.72	128	418711	57.012	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	129355	54.249	ug/L	97

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

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Instrument :
MSVOA_U
ClientSampleId :
VICV31

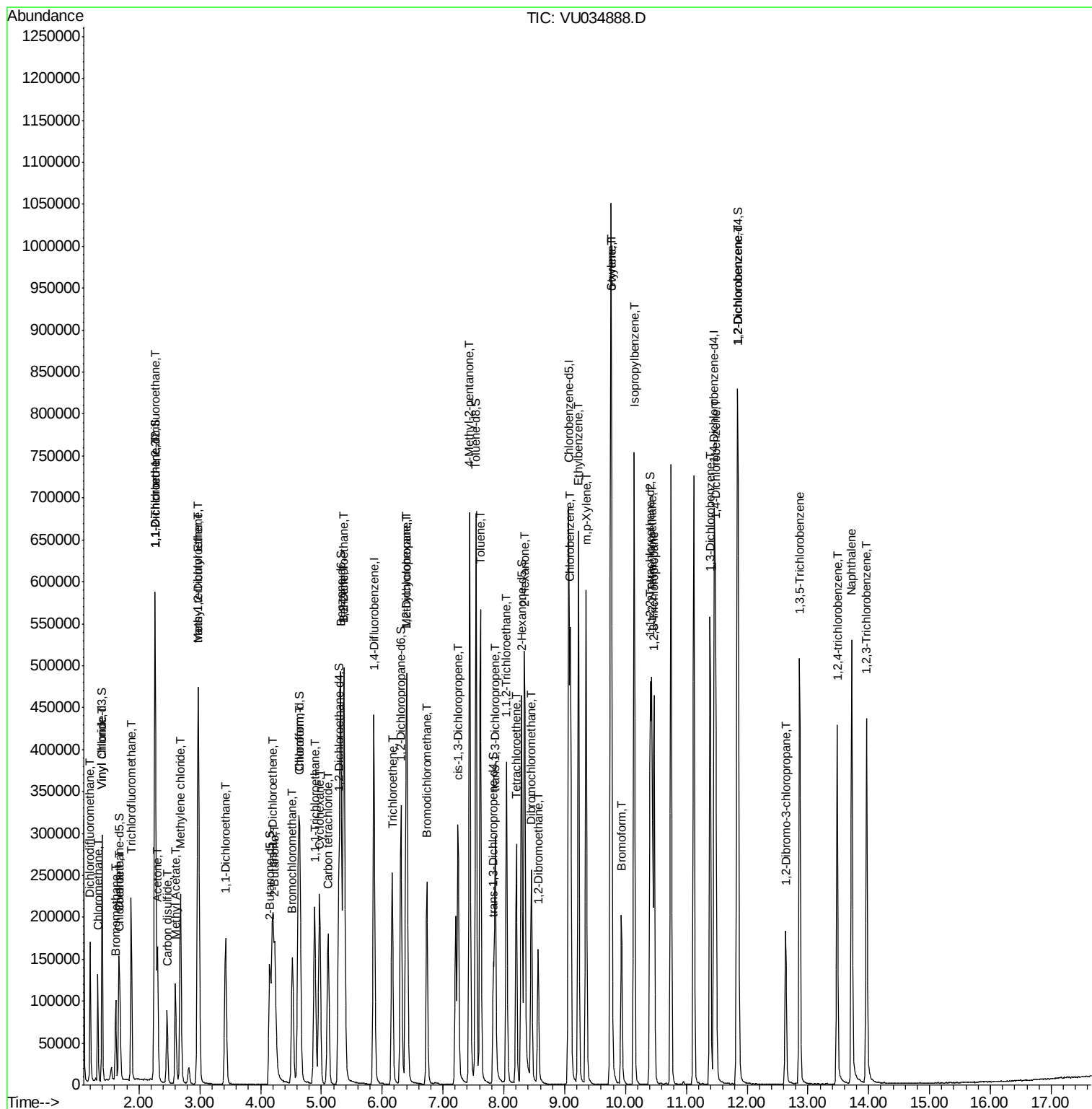
Quant Time: Oct 01 04:32:19 2019

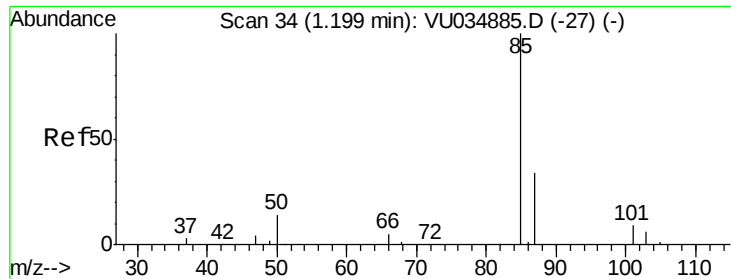
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM100119WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Oct 01 03:53:14 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.240 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampled :

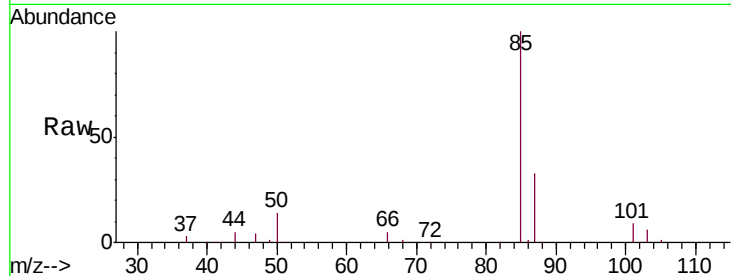
VICV31

Tgt Ion: 85 Resp: 95433

Ion Ratio Lower Upper

85 100

87 32.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034888.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU034888.D (-27) (-)

1.20

100000

80000

60000

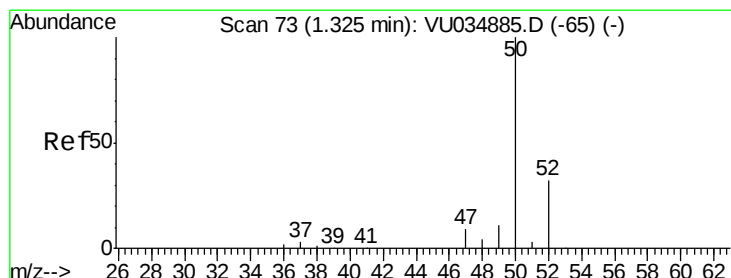
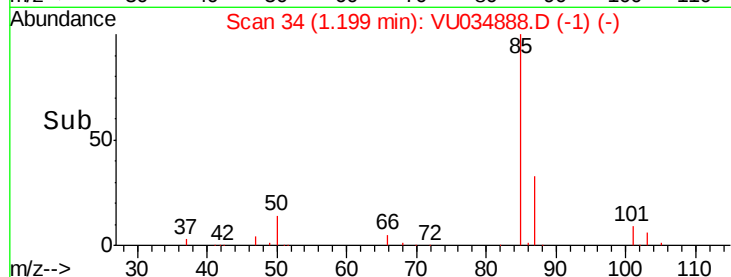
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 47.832 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034888.D

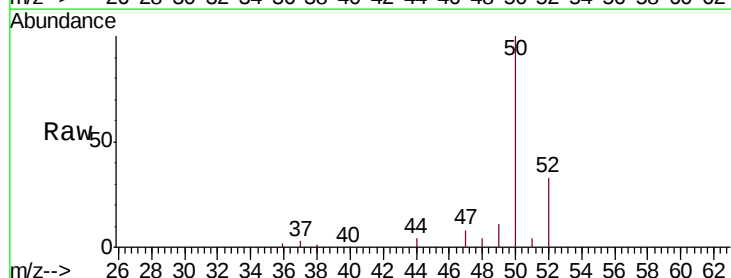
Acq: 30 Sep 2019 19:39

Tgt Ion: 50 Resp: 81408

Ion Ratio Lower Upper

50 100

52 33.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU034888.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034888.D (-65) (-)

1.32

80000

60000

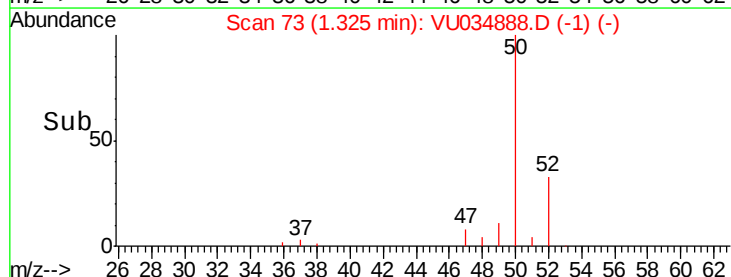
40000

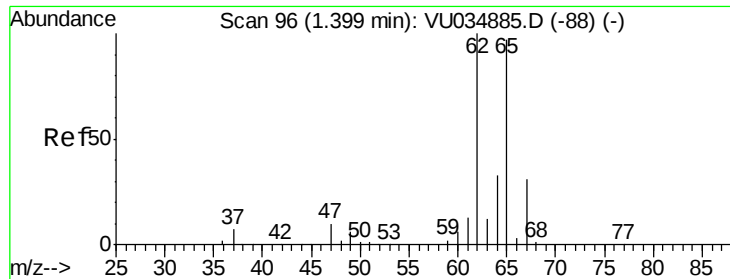
20000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 49.488 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

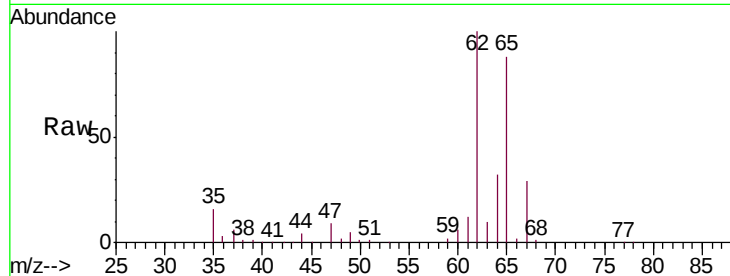
VICV31

Tgt Ion: 62 Resp: 84284

Ion Ratio Lower Upper

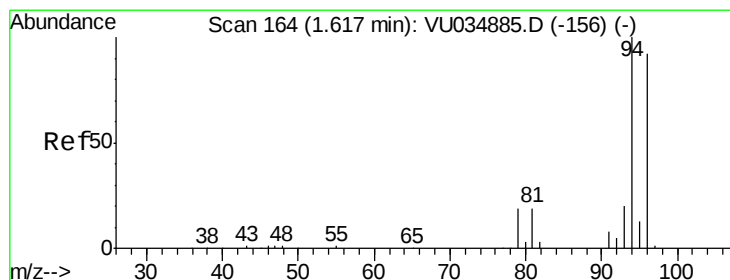
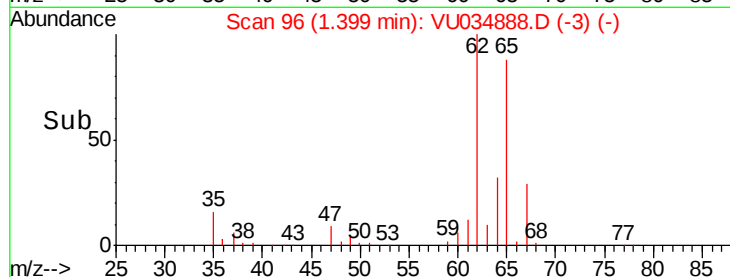
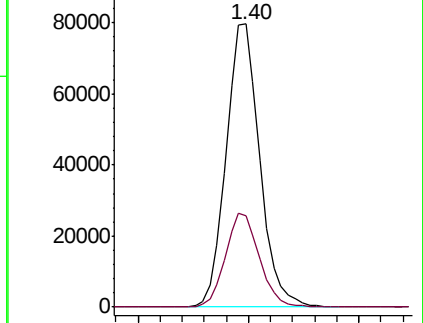
62 100

64 32.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU034888.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034888.D (-88) (-)



#6

Bromomethane

Concen: 50.139 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034888.D

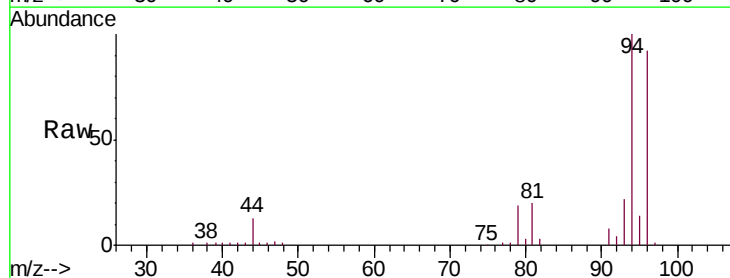
Acq: 30 Sep 2019 19:39

Tgt Ion: 94 Resp: 43461

Ion Ratio Lower Upper

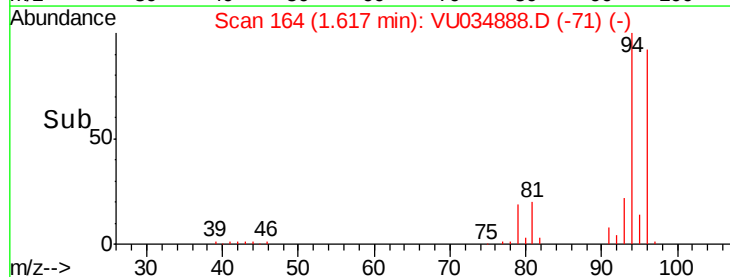
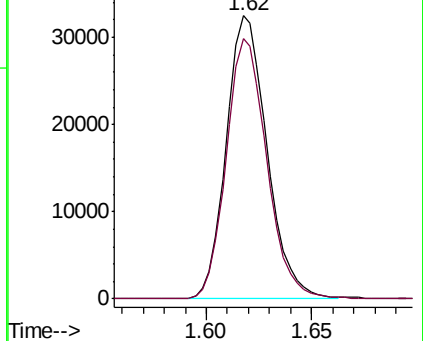
94 100

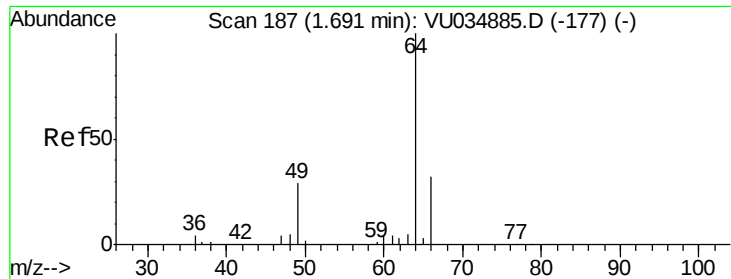
96 92.2 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU034888.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034888.D (-156) (-)





#8

Chloroethane

Concen: 48.032 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

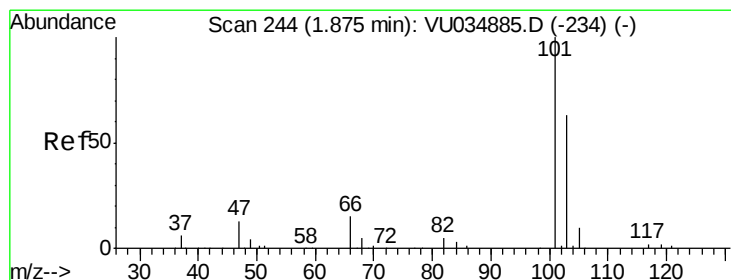
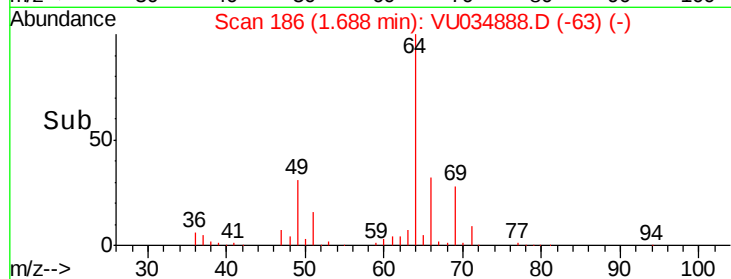
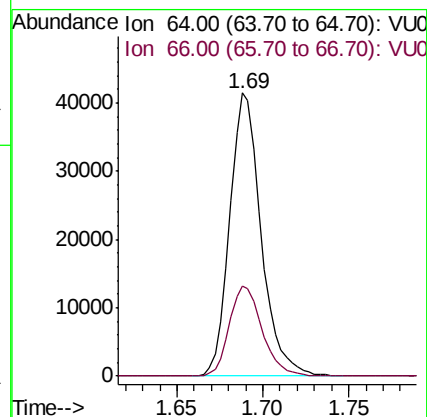
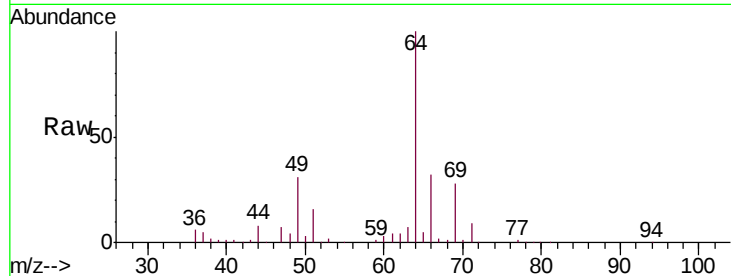
VICV31

Tgt Ion: 64 Resp: 52648

Ion Ratio Lower Upper

64 100

66 31.8 22.1 41.1



#9

Trichlorofluoromethane

Concen: 48.497 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU034888.D

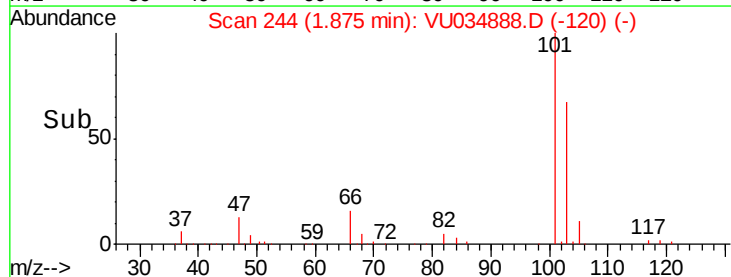
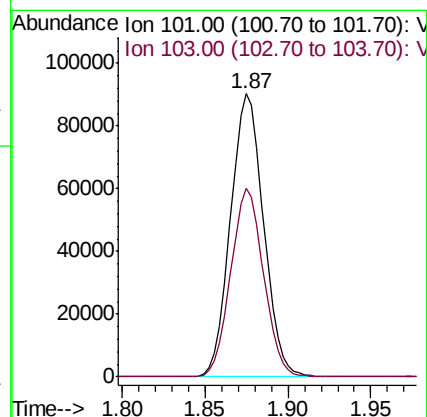
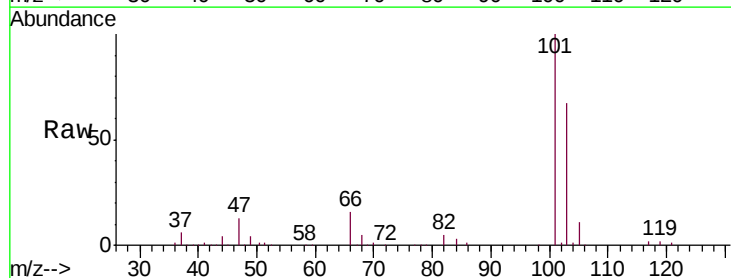
Acq: 30 Sep 2019 19:39

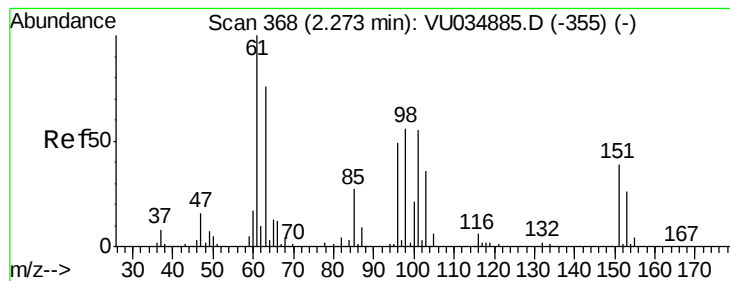
Tgt Ion: 101 Resp: 125135

Ion Ratio Lower Upper

101 100

103 66.2 51.2 76.8





#10

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

Concen: 48.382 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

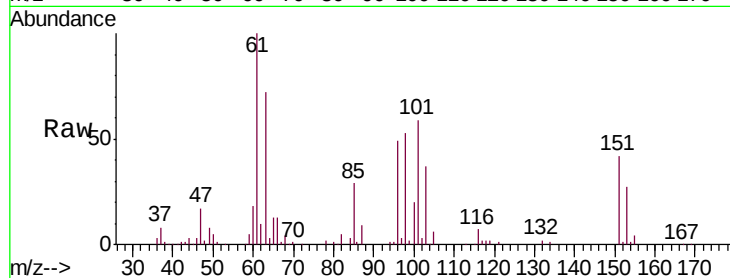
Tgt Ion:101 Resp: 78380

Ion Ratio Lower Upper

101 100

85 47.6 37.1 55.7

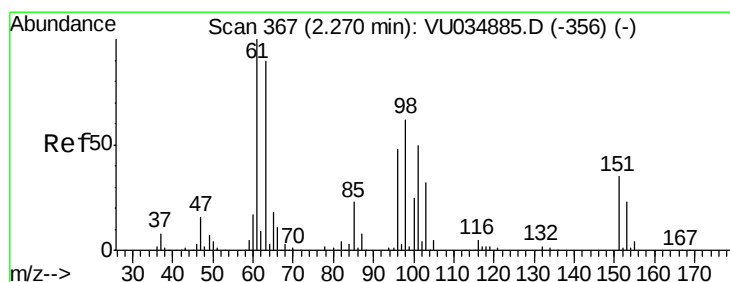
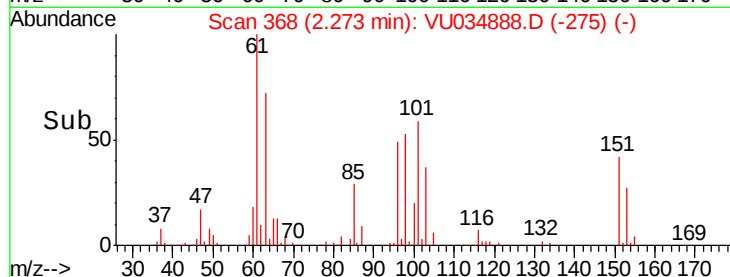
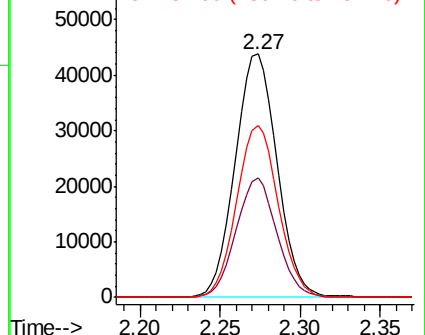
151 70.0 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.116 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

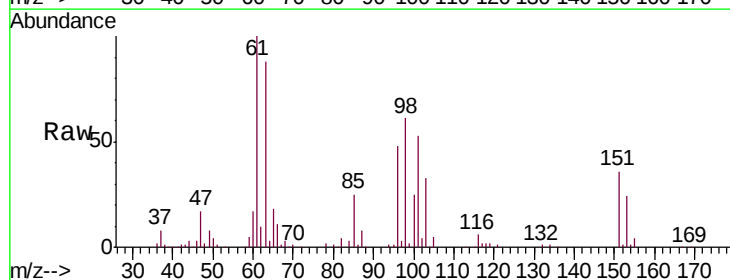
Tgt Ion: 96 Resp: 61888

Ion Ratio Lower Upper

96 100

61 209.4 147.0 273.0

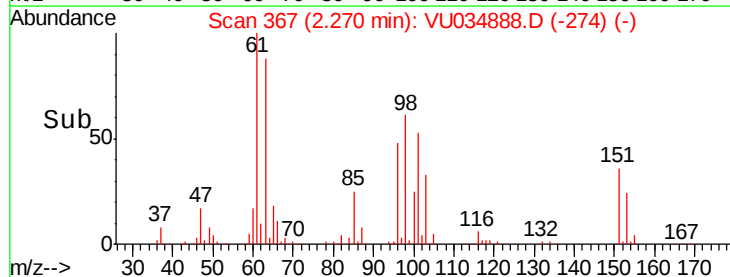
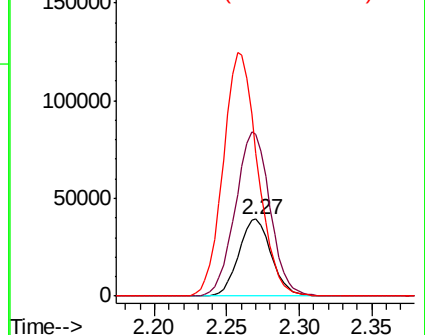
63 184.7 140.5 260.9

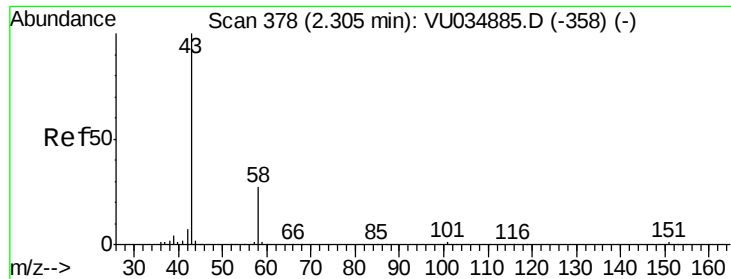


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.928 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

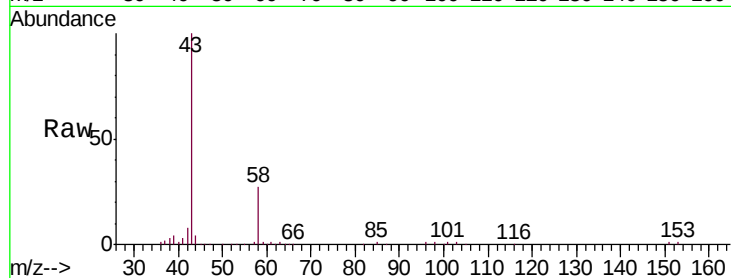
VICV31

Tgt Ion: 43 Resp: 163907

Ion Ratio Lower Upper

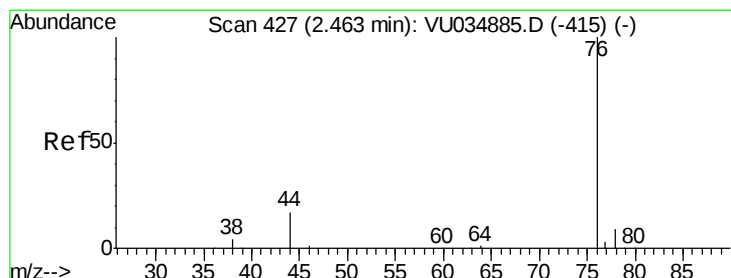
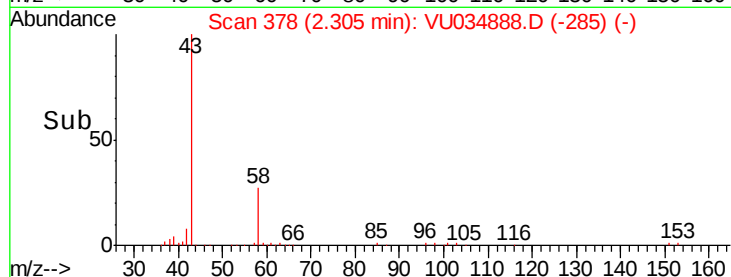
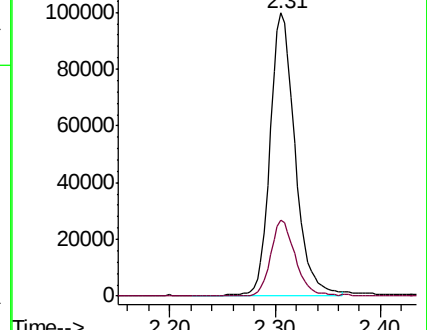
43 100 0.0 52.6

58 25.7 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034888.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034888.D (-358) (-)



#14

Carbon disulfide

Concen: 49.862 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034888.D

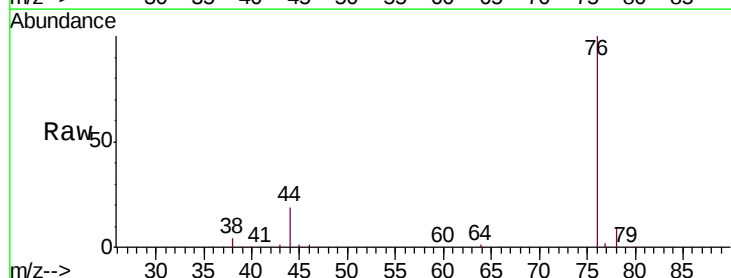
Acq: 30 Sep 2019 19:39

Tgt Ion: 76 Resp: 102817

Ion Ratio Lower Upper

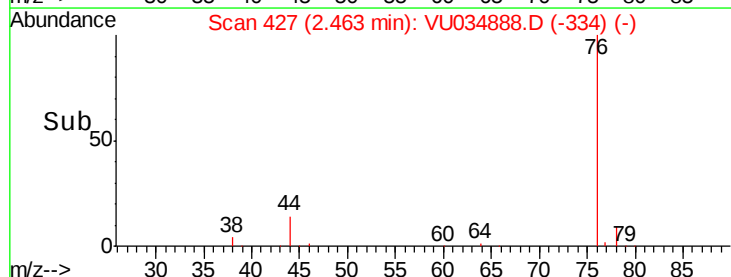
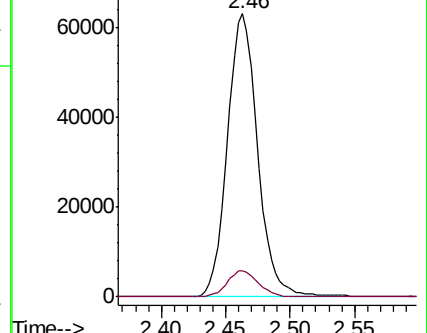
76 100 7.3 10.9

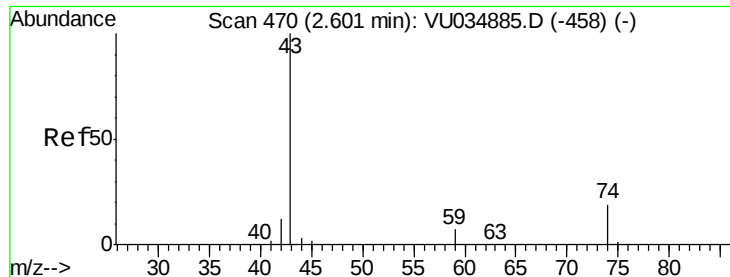
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034888.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034888.D (-415) (-)





#15

Methyl Acetate

Concen: 48.037 ug/L

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

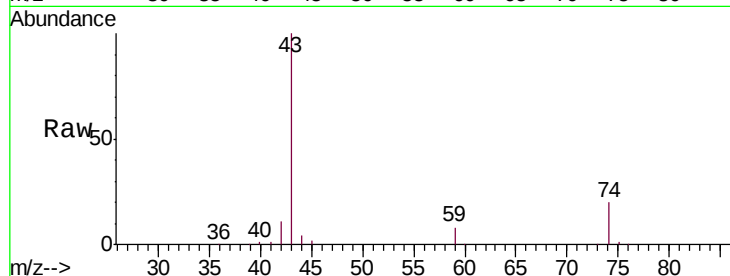
VICV31

Tgt Ion: 43 Resp: 142940

Ion Ratio Lower Upper

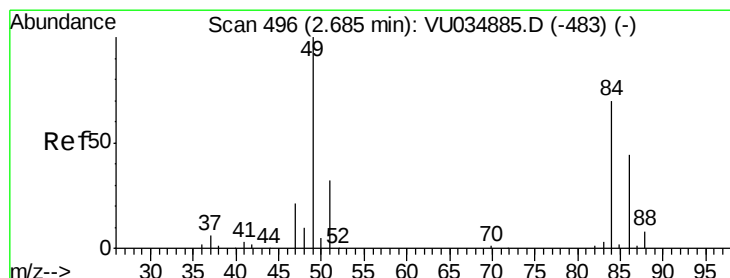
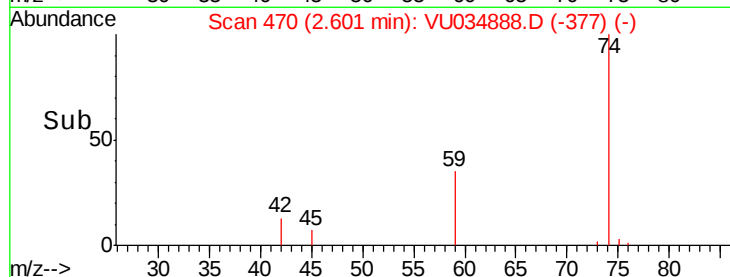
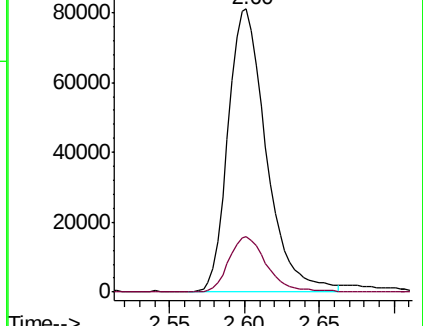
43 100

74 19.8 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU034888.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034888.D (-458) (-)



#16

Methylene chloride

Concen: 47.315 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

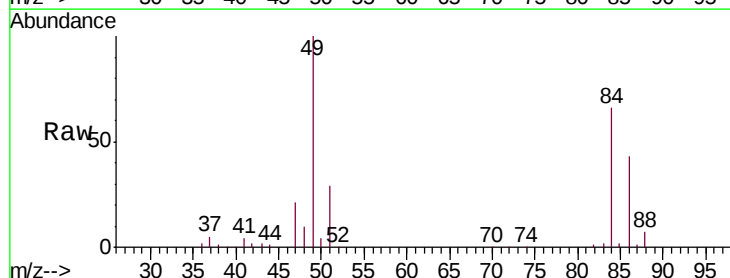
Tgt Ion: 84 Resp: 88894

Ion Ratio Lower Upper

84 100

86 64.3 44.7 82.9

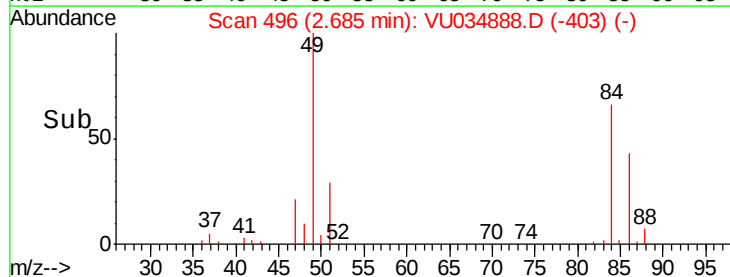
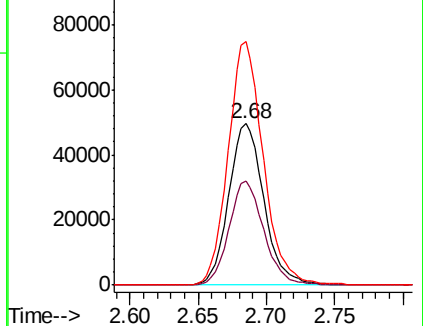
49 151.0 100.7 186.9

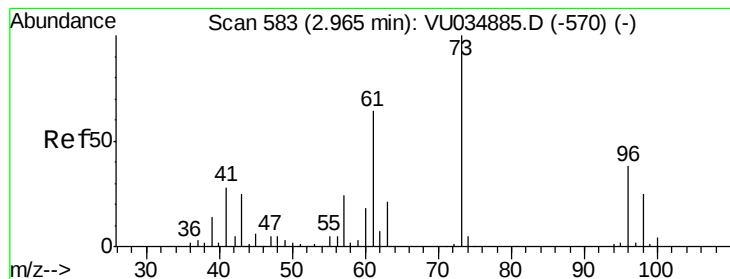


Abundance Ion 84.00 (83.70 to 84.70): VU034888.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU034888.D (-483) (-)

Ion 49.00 (48.70 to 49.70): VU034888.D (-483) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.445 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

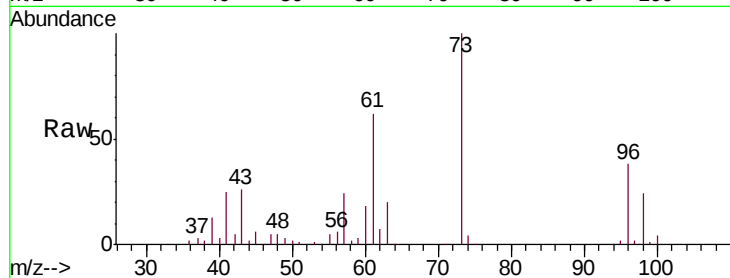
Tgt Ion: 96 Resp: 65269

Ion Ratio Lower Upper

96 100

61 162.2 117.5 218.1

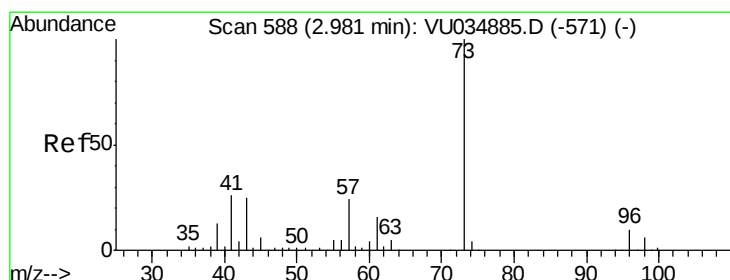
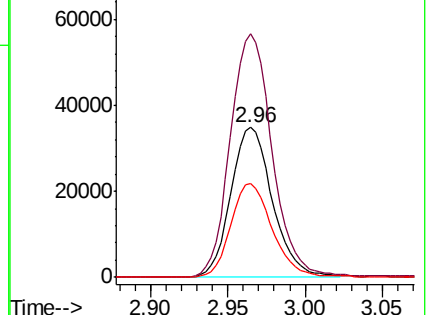
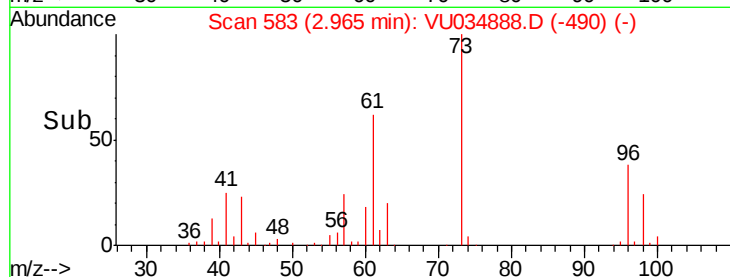
98 62.5 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU034888.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034888.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034888.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.236 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

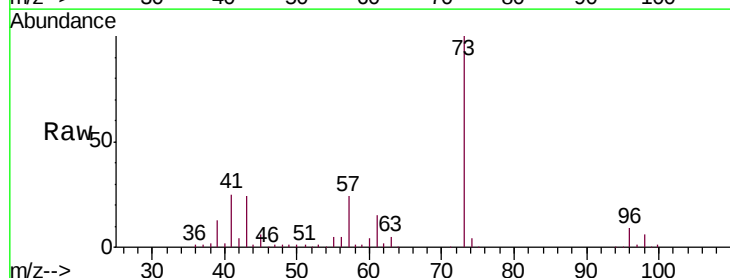
Tgt Ion: 73 Resp: 357488

Ion Ratio Lower Upper

73 100

43 24.7 19.7 29.5

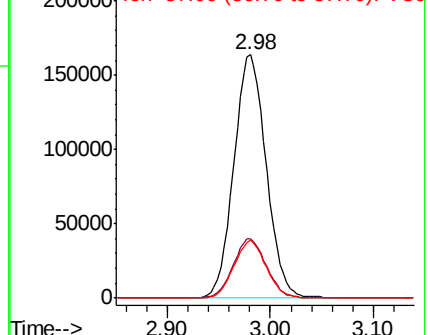
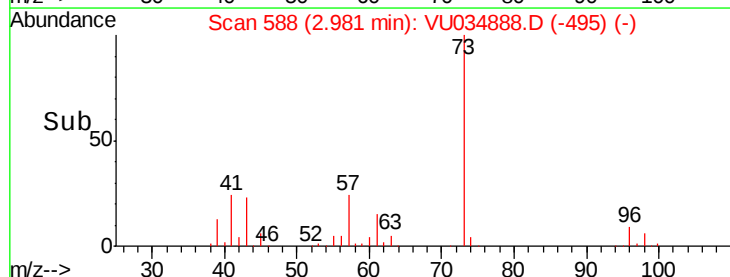
57 23.6 18.8 28.2

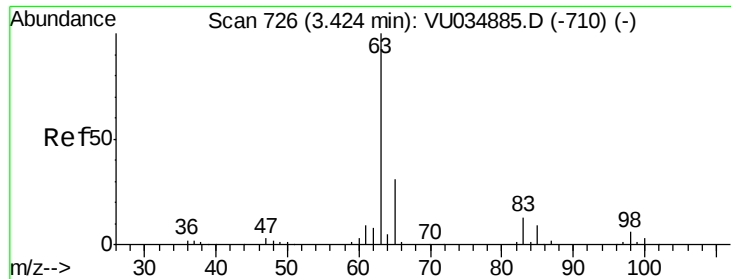


Abundance Ion 73.00 (72.70 to 73.70): VU034888.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034888.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034888.D (-495) (-)

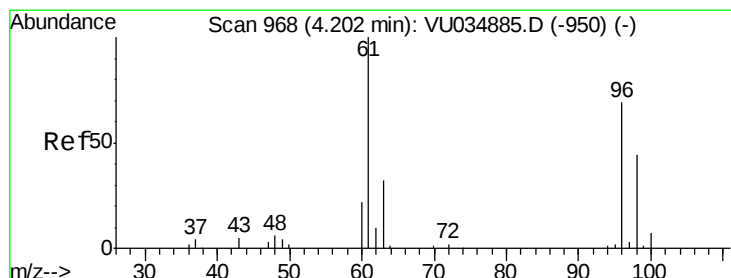
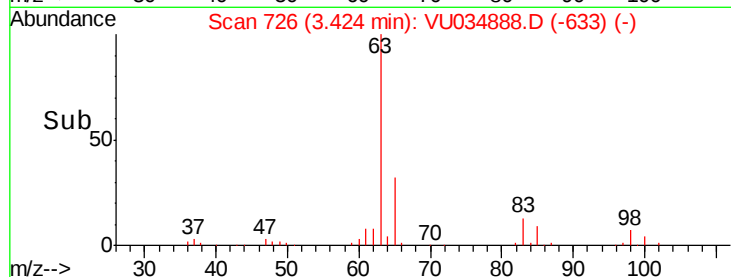
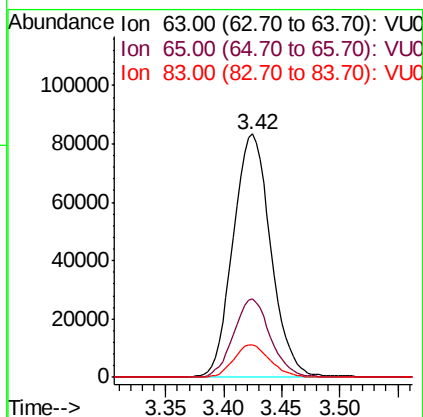
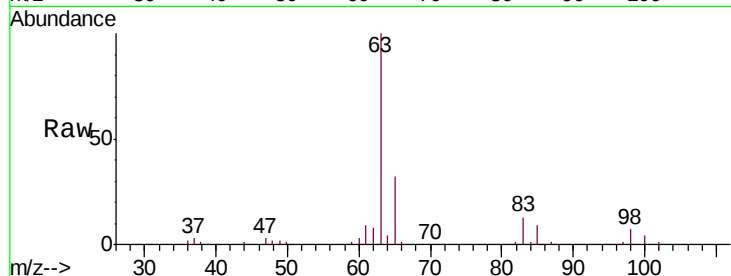




#19
 1,1-Dichloroethane
 Concen: 48.331 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

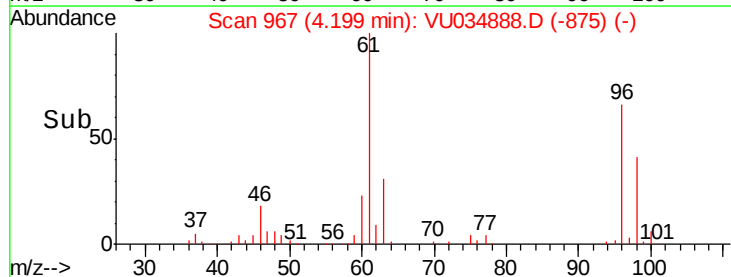
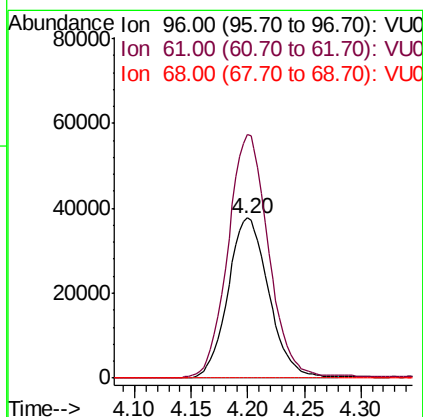
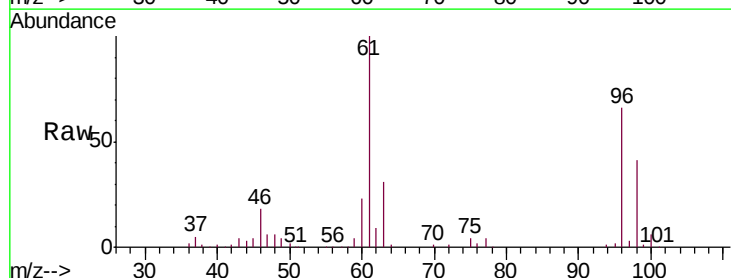
Instrument :
 MSVOA_U
 ClientSampled :
 VICV31

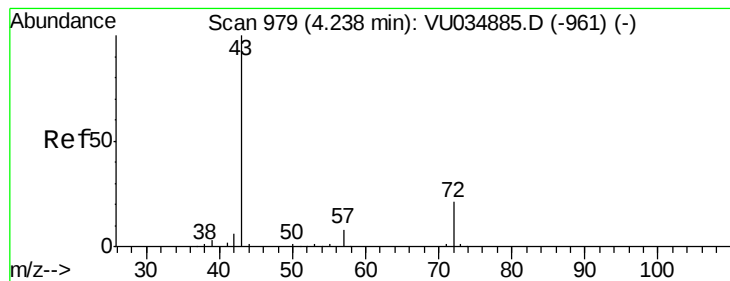
Tgt Ion: 63 Resp: 189204
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.6 40.2
 83 13.3 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.881 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion: 96 Resp: 94904
 Ion Ratio Lower Upper
 96 100
 61 151.8 101.2 188.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.723 ug/L

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampled :

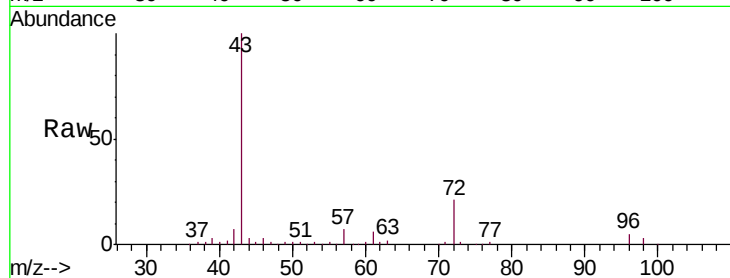
VICV31

Tgt Ion: 43 Resp: 236605

Ion Ratio Lower Upper

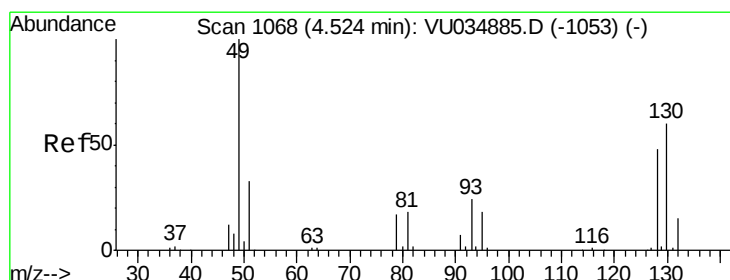
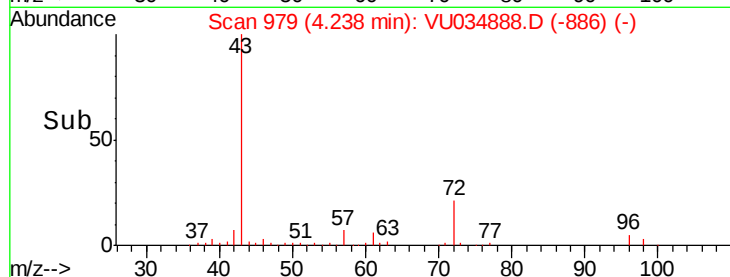
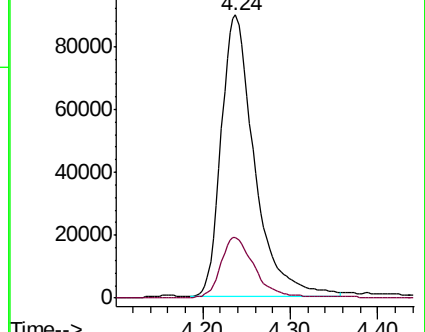
43 100

72 21.6 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034888.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VU034888.D (-886) (-)



#23

Bromochloromethane

Concen: 49.927 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Tgt Ion: 128 Resp: 46432

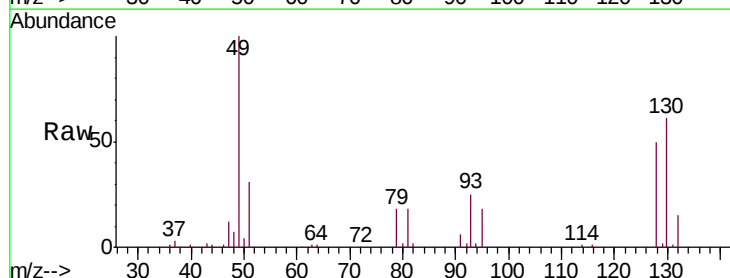
Ion Ratio Lower Upper

128 100

49 198.3 145.7 270.5

130 121.3 86.9 161.5

51 62.1 54.6 82.0

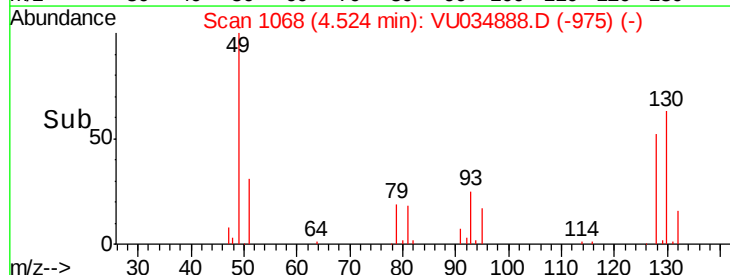
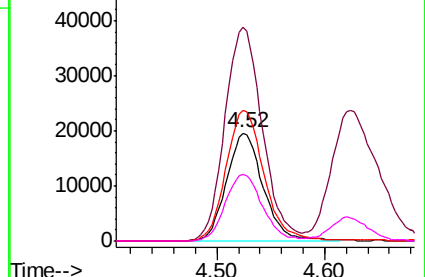


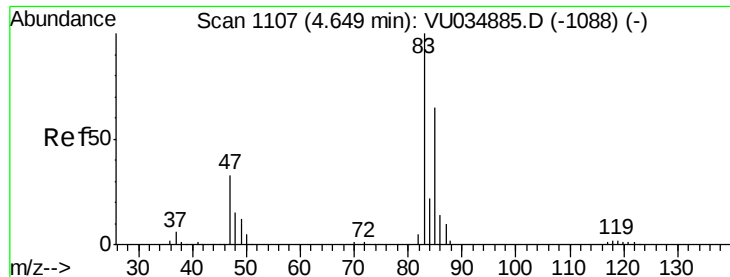
Abundance Ion 128.00 (127.70 to 128.70): VU034888.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VU034888.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VU034888.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VU034888.D (-975) (-)

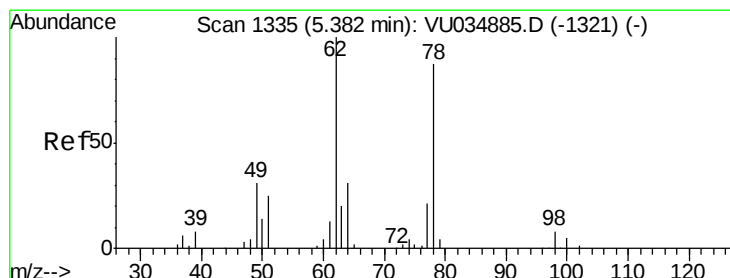
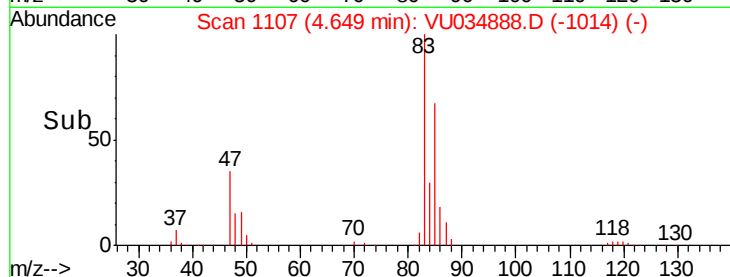
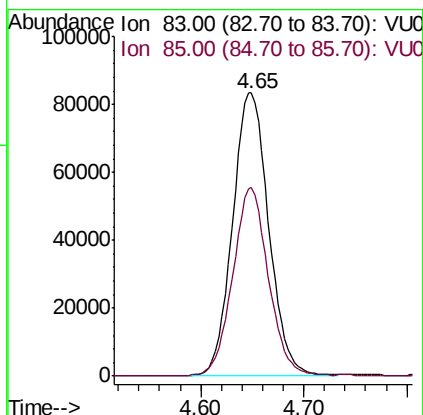
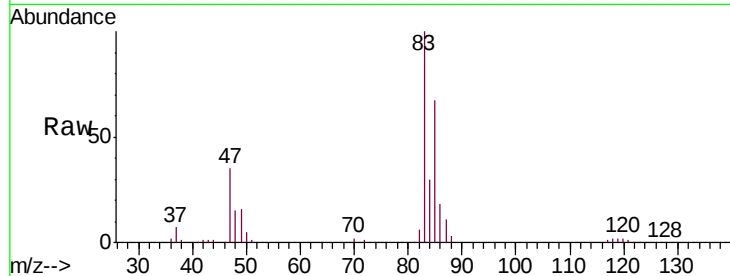




#25
Chloroform
Concen: 47.582 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

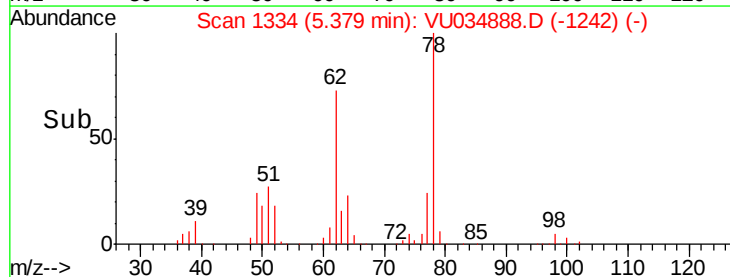
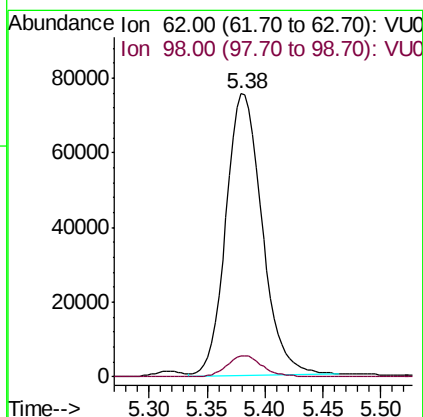
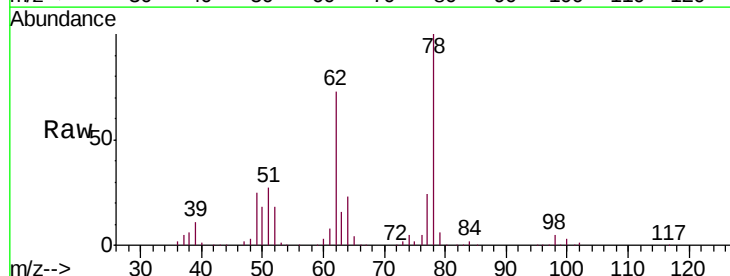
Instrument :
MSVOA_U
ClientSampleId :
VICV31

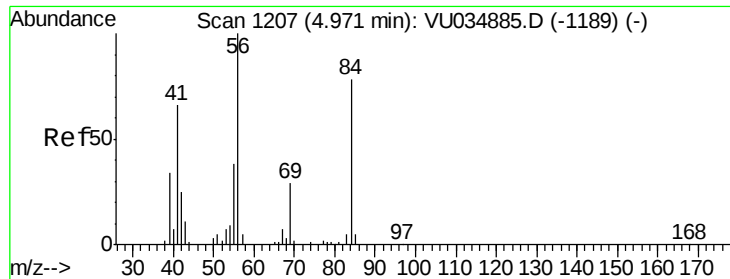
Tgt Ion: 83 Resp: 204085
Ion Ratio Lower Upper
83 100
85 66.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.132 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Tgt Ion: 62 Resp: 164000
Ion Ratio Lower Upper
62 100
98 7.4 6.2 9.2

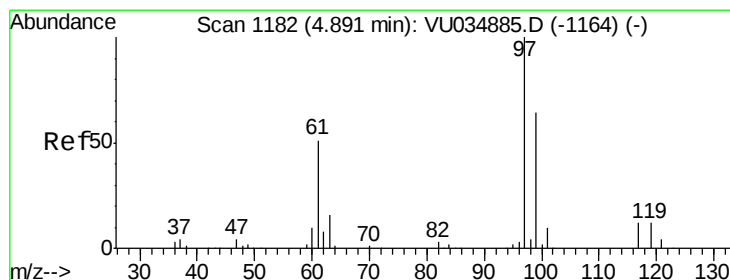
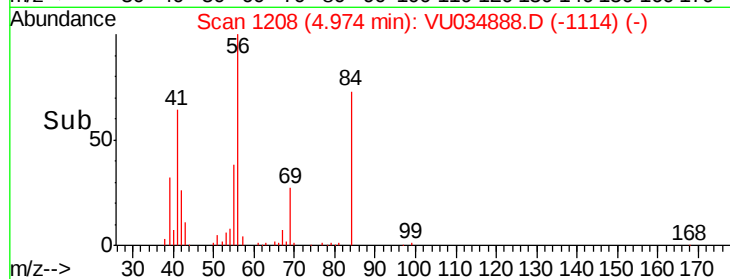
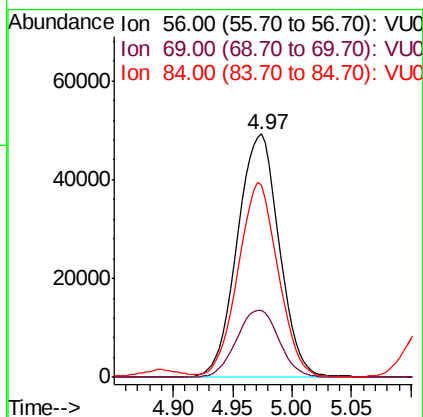
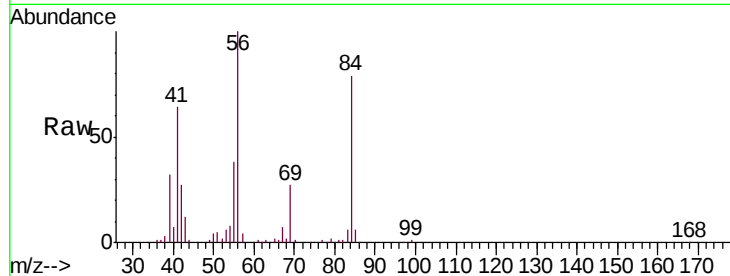




#29
Cyclohexane
Concen: 50.111 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

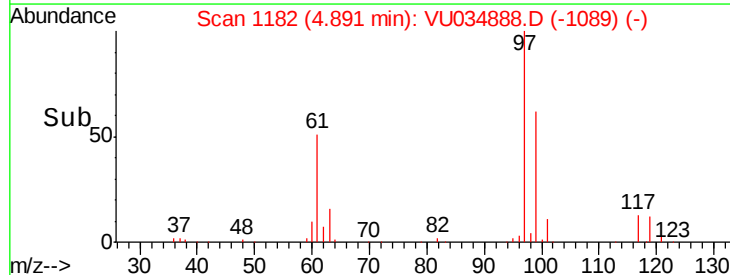
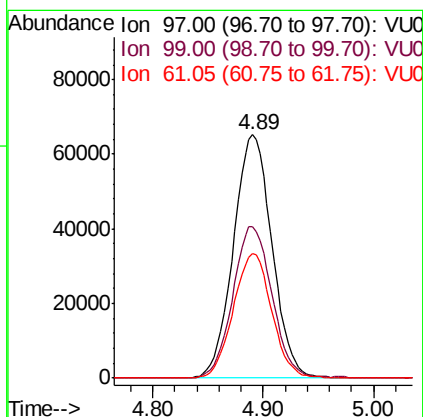
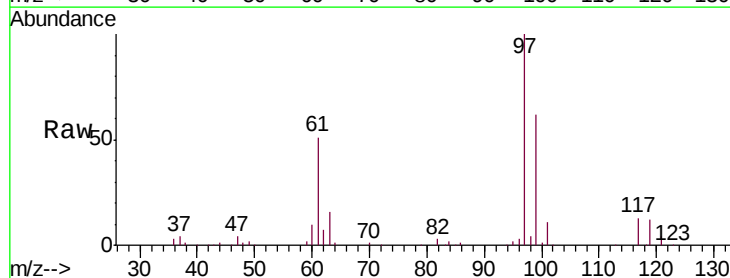
Instrument :
MSVOA_U
ClientSampled :
VICV31

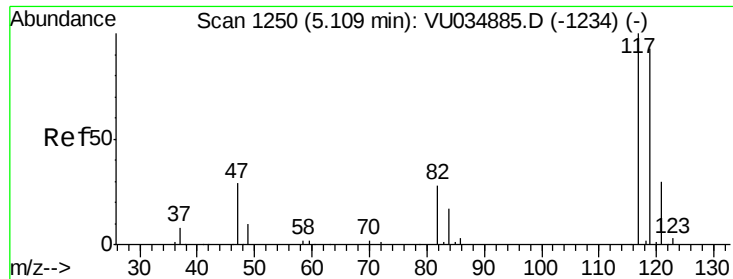
Tgt Ion: 56 Resp: 120280
Ion Ratio Lower Upper
56 100
69 28.1 22.6 33.8
84 76.2 61.6 92.4



#30
1,1,1-Trichloroethane
Concen: 49.942 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Tgt Ion: 97 Resp: 158132
Ion Ratio Lower Upper
97 100
99 63.1 50.8 76.2
61 51.0 41.2 61.8





#31

Carbon tetrachloride

Concen: 49.594 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampled :

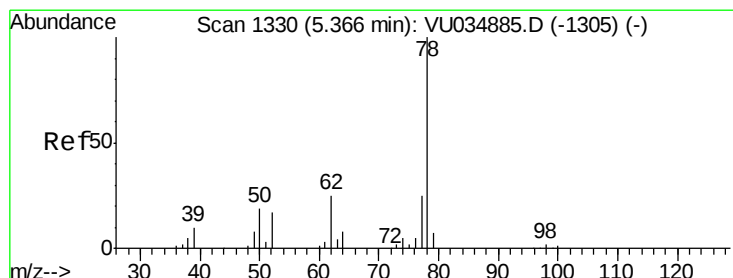
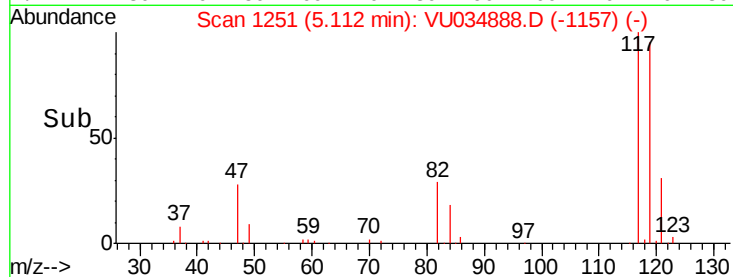
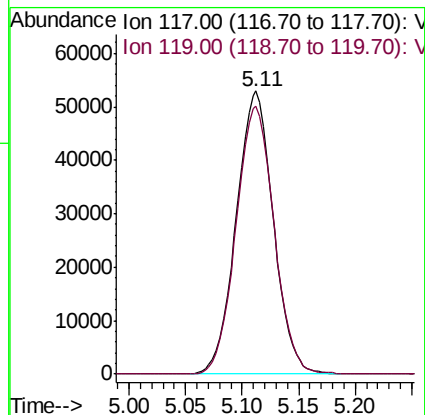
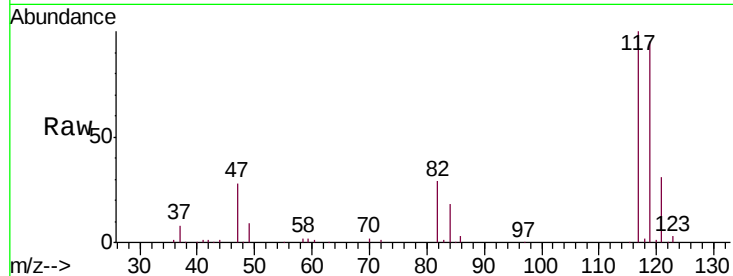
VICV31

Tgt Ion:117 Resp: 120987

Ion Ratio Lower Upper

117 100

119 96.9 75.3 112.9



#33

Benzene

Concen: 51.166 ug/L

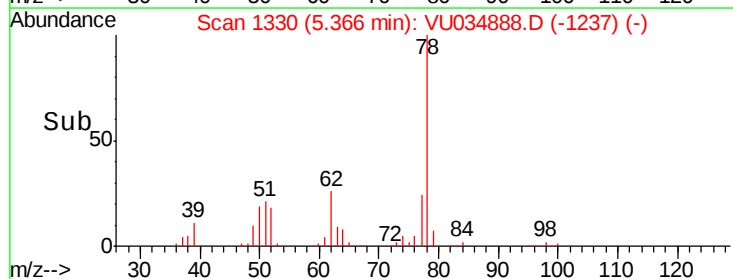
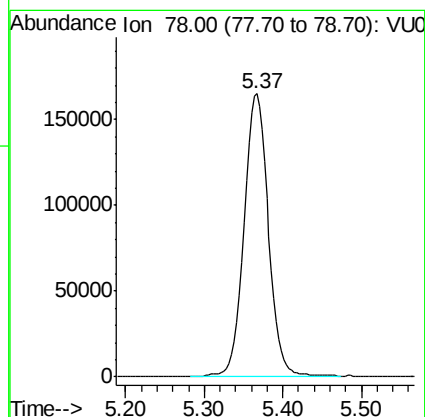
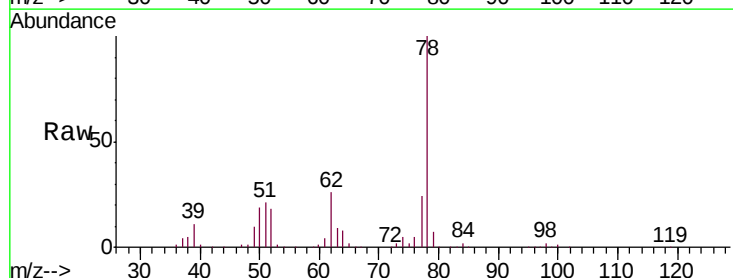
RT: 5.37 min Scan# 1330

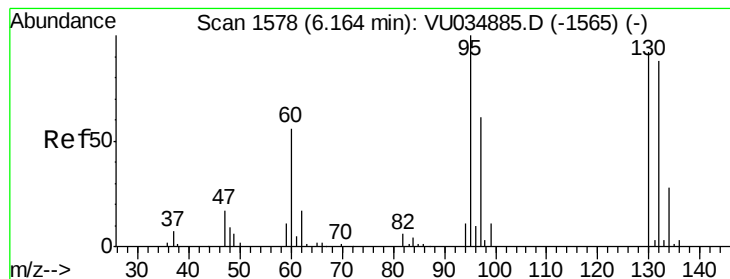
Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Tgt Ion: 78 Resp: 361095





#34

Trichloroethene

Concen: 50.069 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

Tgt Ion: 95 Resp: 88164

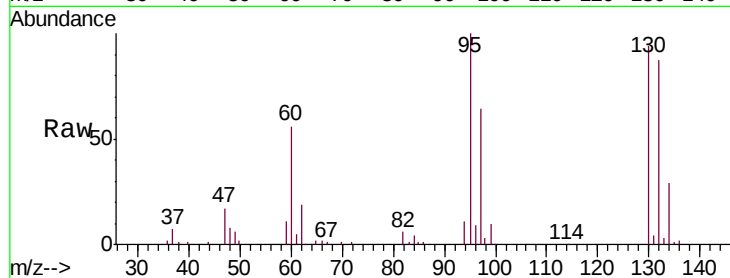
Ion Ratio Lower Upper

95 100

97 64.3 42.9 79.7

132 87.4 61.7 114.7

130 93.6 64.6 120.0

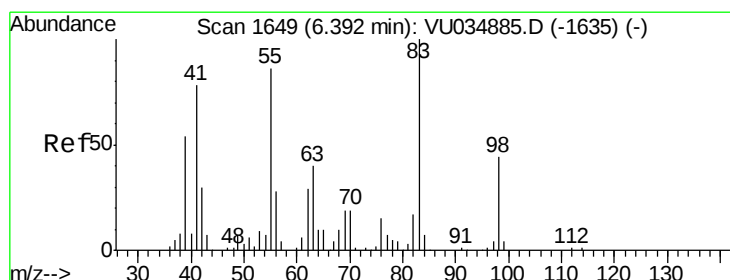
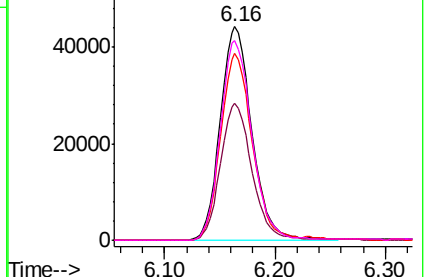
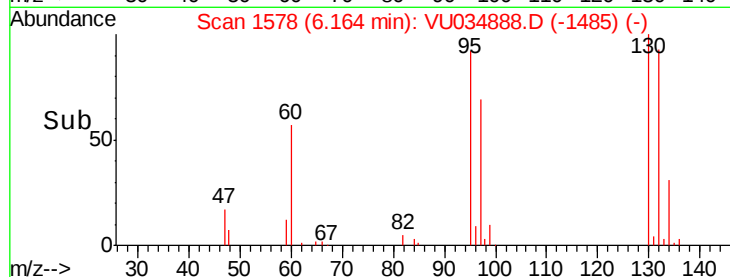


Abundance Ion 95.00 (94.70 to 95.70): VU034888.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU034888.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU034888.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU034888.D (-1565) (-)



#35

Methylcyclohexane

Concen: 50.435 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

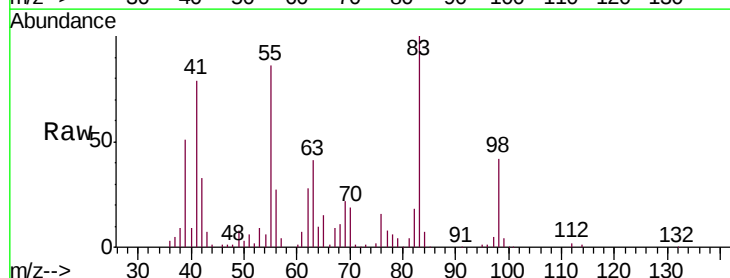
Tgt Ion: 83 Resp: 111619

Ion Ratio Lower Upper

83 100

55 85.4 68.4 102.6

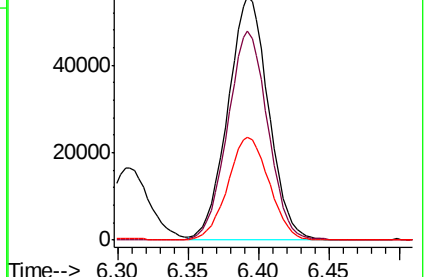
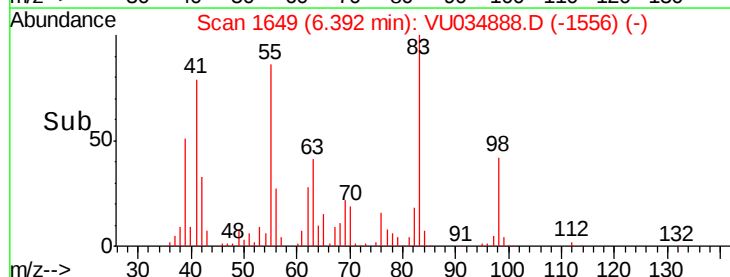
98 43.2 35.3 52.9

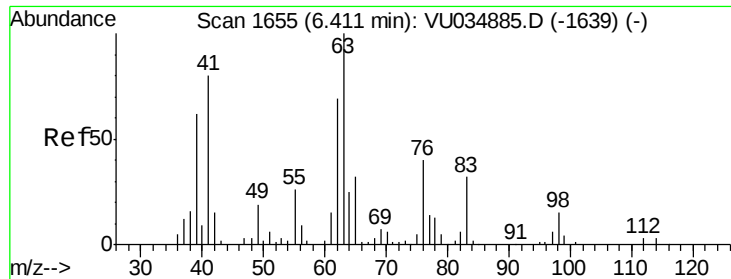


Abundance Ion 83.00 (82.70 to 83.70): VU034888.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034888.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034888.D (-1556) (-)

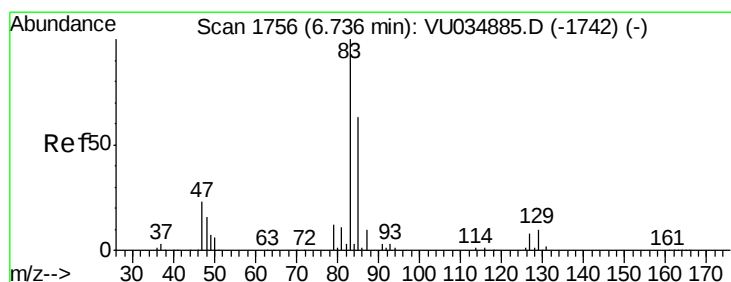
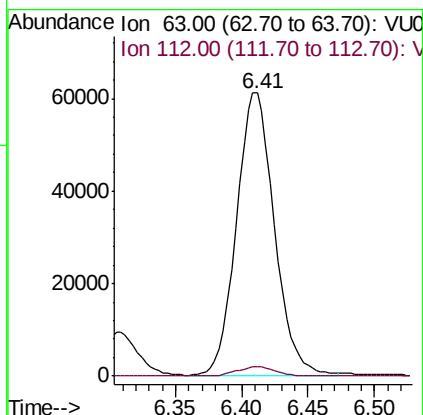
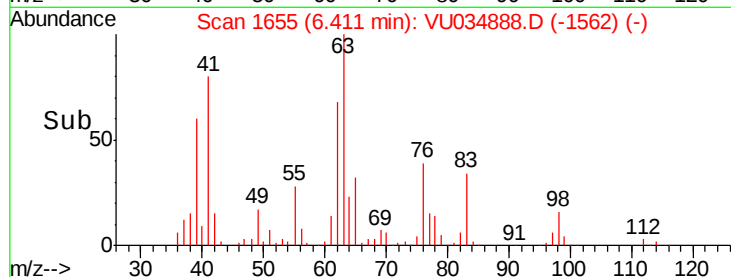
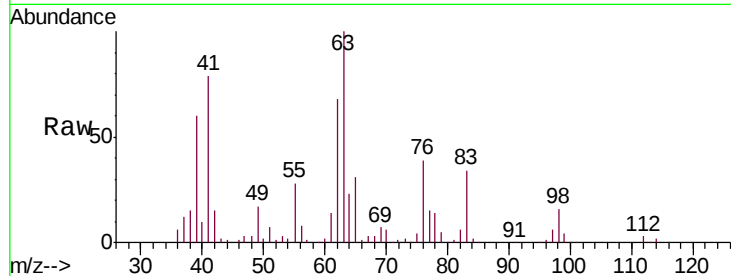




#37
 1,2-Dichloropropane
 Concen: 50.487 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

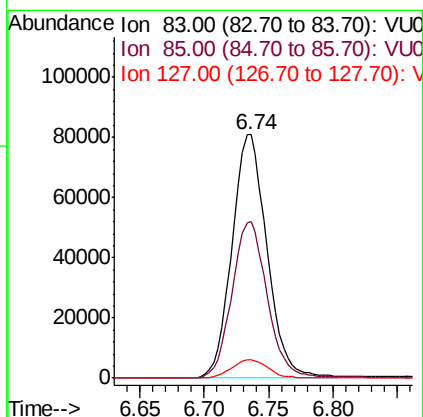
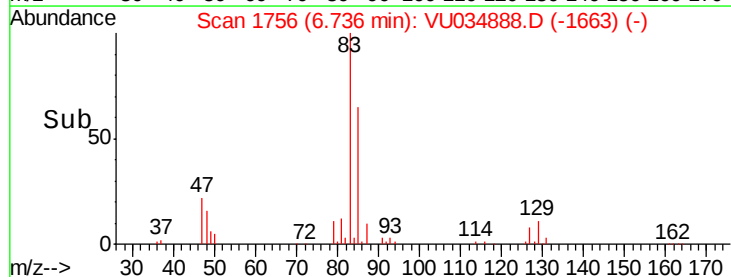
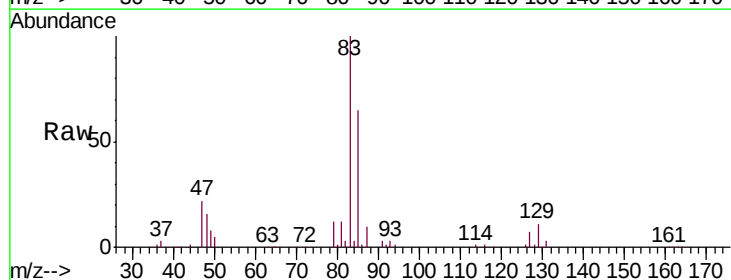
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

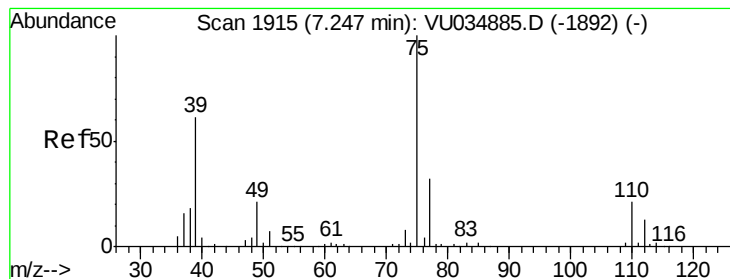
Tgt Ion: 63 Resp: 120477
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.8 4.2



#38
 Bromodichloromethane
 Concen: 50.096 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion: 83 Resp: 152951
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.4 82.4
 127 7.5 6.6 9.8



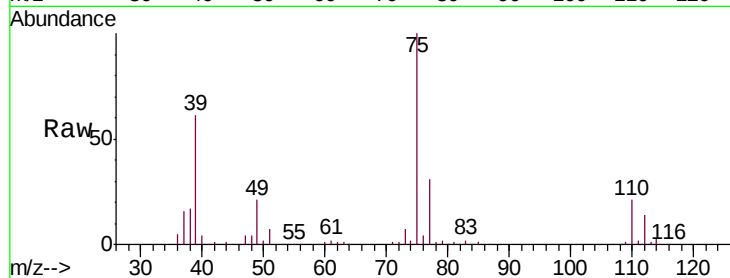


#39

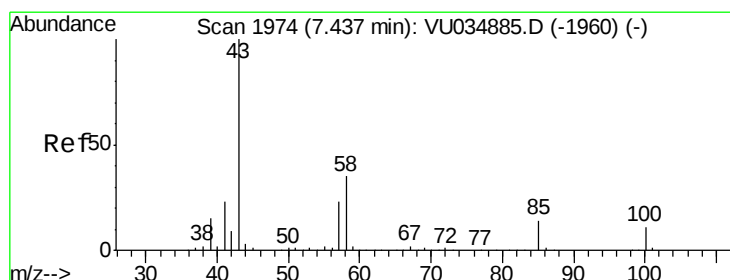
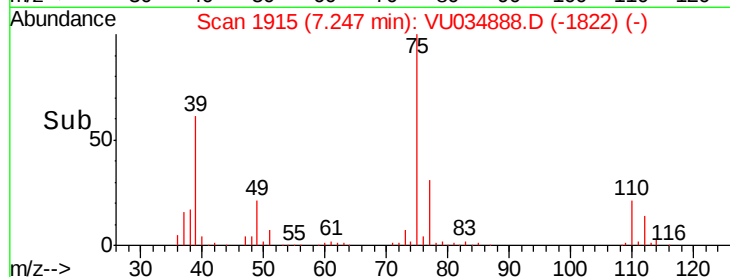
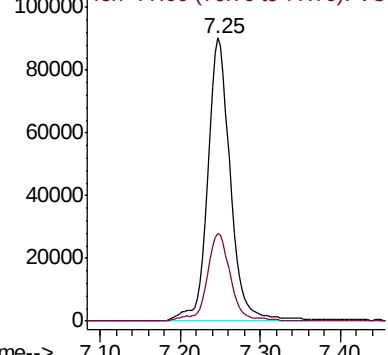
cis-1,3-Dichloropropene
Concen: 51.567 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Instrument :
MSVOA_U
ClientSampled :
VICV31

Tgt Ion: 75 Resp: 173362
Ion Ratio Lower Upper
75 100
77 31.0 22.4 41.6



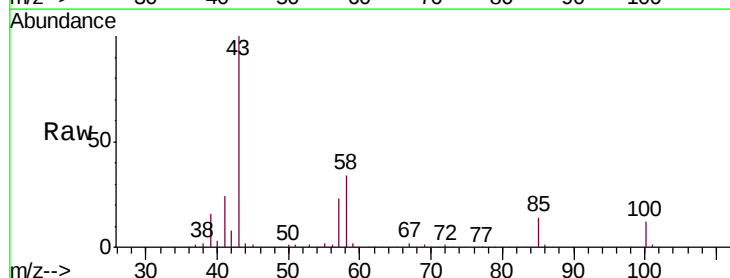
Abundance Ion 75.00 (74.70 to 75.70): VU034888.D (-1892) (-)
Ion 77.00 (76.70 to 77.70): VU034888.D (-1892) (-)



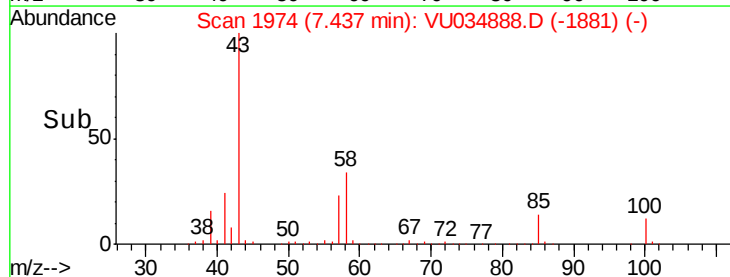
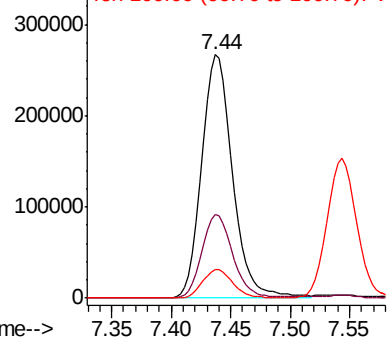
#40

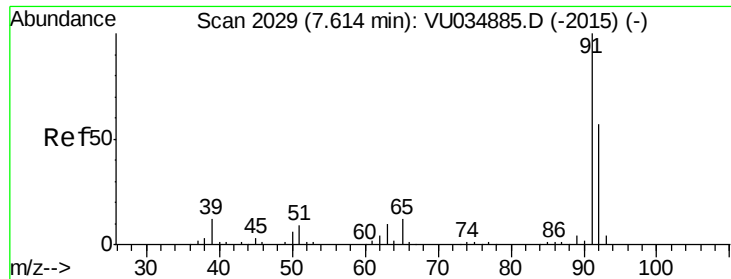
4-Methyl-2-pentanone
Concen: 99.612 ug/L
RT: 7.44 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Tgt Ion: 43 Resp: 482060
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3
100 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VU034888.D (-1960) (-)
Ion 58.00 (57.70 to 58.70): VU034888.D (-1960) (-)
Ion 100.00 (99.70 to 100.70): VU034888.D (-1960) (-)





#42

Toluene

Concen: 50.785 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

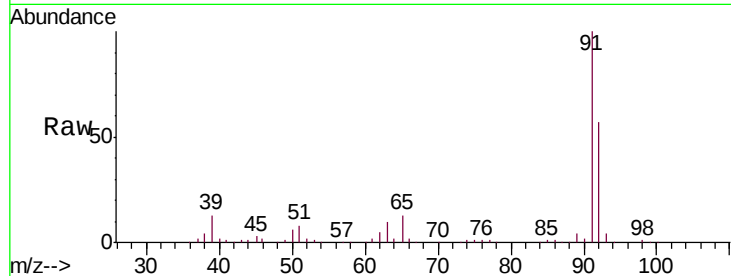
VICV31

Tgt Ion: 91 Resp: 385606

Ion Ratio Lower Upper

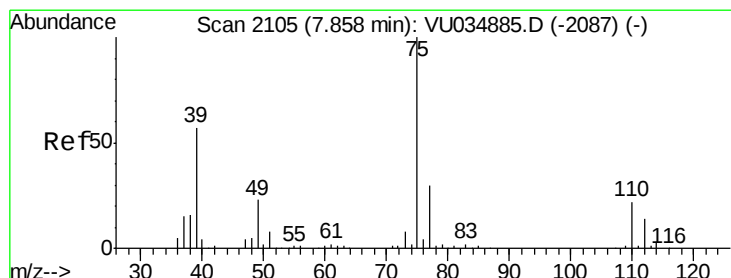
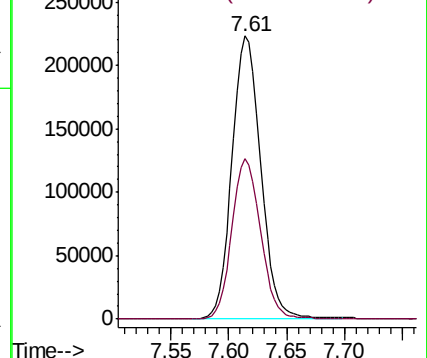
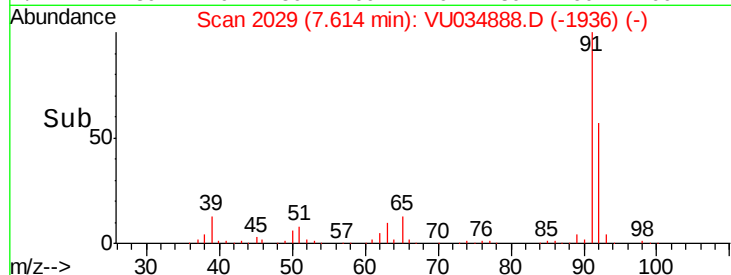
91 100

92 56.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034888.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034888.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.544 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034888.D

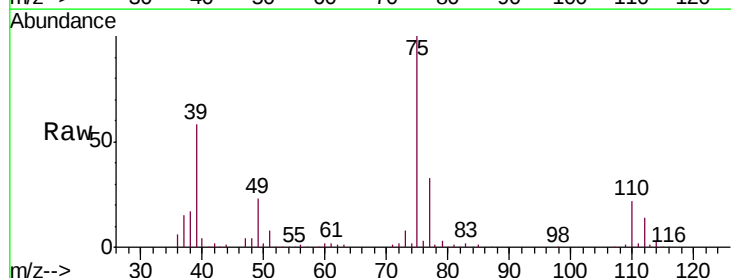
Acq: 30 Sep 2019 19:39

Tgt Ion: 75 Resp: 155041

Ion Ratio Lower Upper

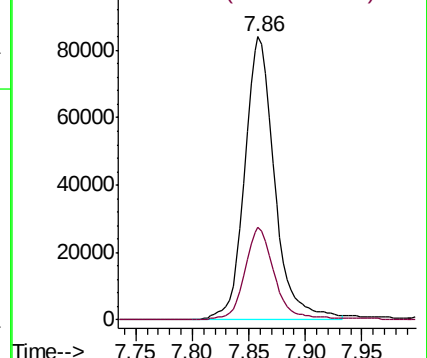
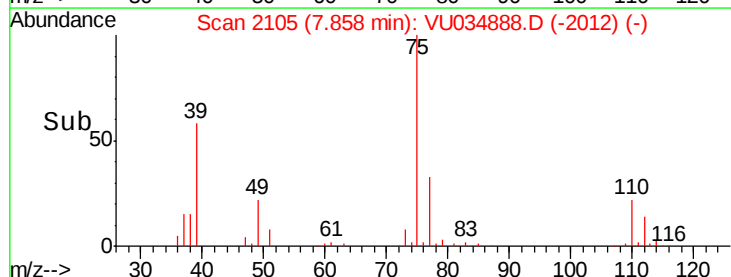
75 100

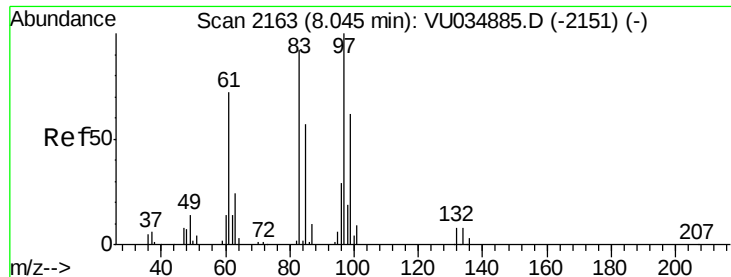
77 32.8 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034888.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU034888.D (-2102) (-)

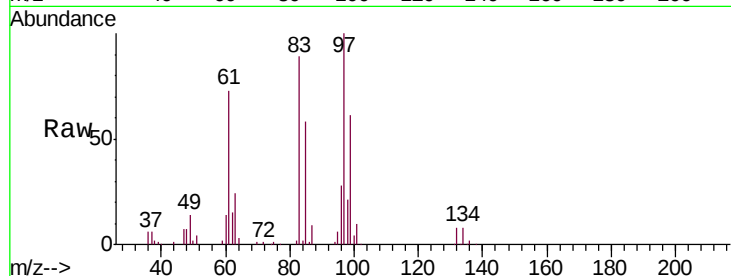




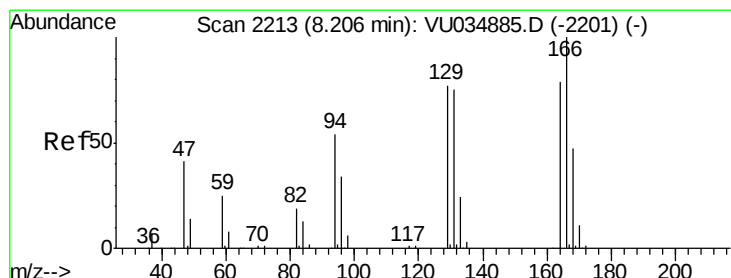
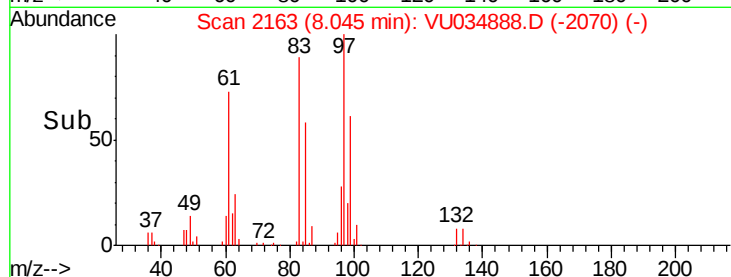
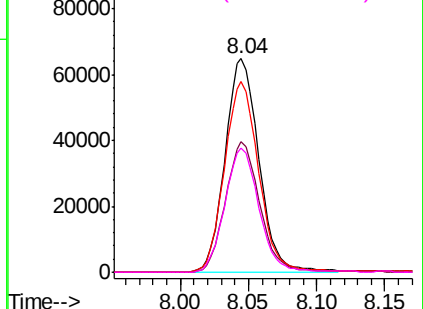
#45
 1,1,2-Trichloroethane
 Concen: 50.101 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Instrument :
 MSVOA_U
 ClientSampled :
 VICV31

Tgt Ion:	97	Resp:	111989
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.3	80.5
83	89.0	64.3	119.5
85	58.1	39.9	74.1

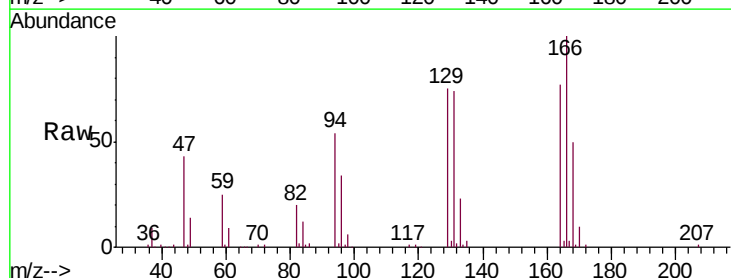


Abundance Ion 97.00 (96.70 to 97.70): VU034888.D (-2151) (-)
 Ion 99.00 (98.70 to 99.70): VU034888.D (-2151) (-)
 Ion 83.00 (82.70 to 83.70): VU034888.D (-2151) (-)
 Ion 85.00 (84.70 to 85.70): VU034888.D (-2151) (-)

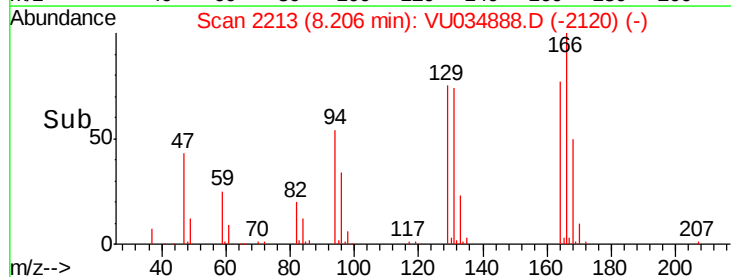
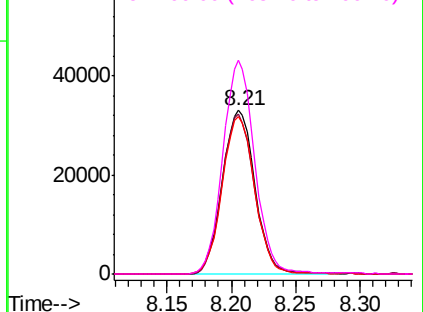


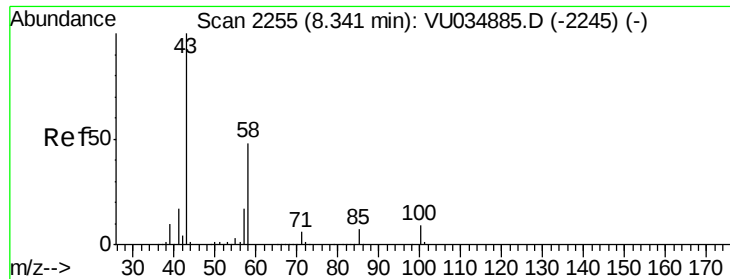
#46
 Tetrachloroethene
 Concen: 50.843 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion:	164	Resp:	58374
Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.3	126.8
131	96.3	66.2	123.0
166	130.5	88.1	163.5



Abundance Ion 164.00 (163.70 to 164.70): VU034888.D (-2201) (-)
 Ion 129.00 (128.70 to 129.70): VU034888.D (-2201) (-)
 Ion 131.00 (130.70 to 131.70): VU034888.D (-2201) (-)
 Ion 166.00 (165.70 to 166.70): VU034888.D (-2201) (-)

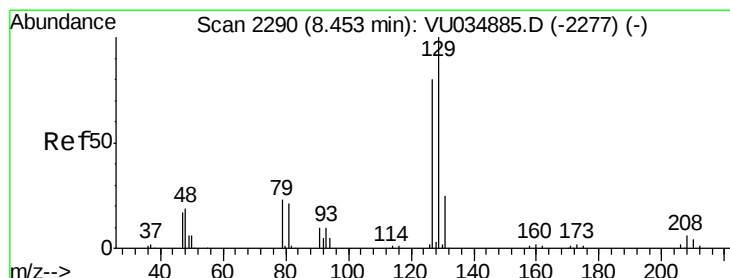
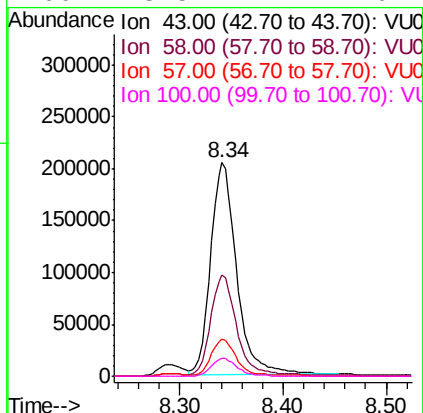
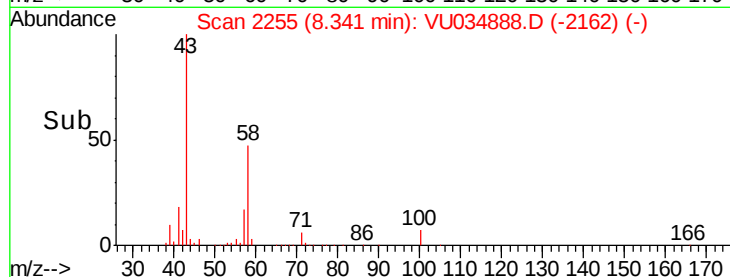
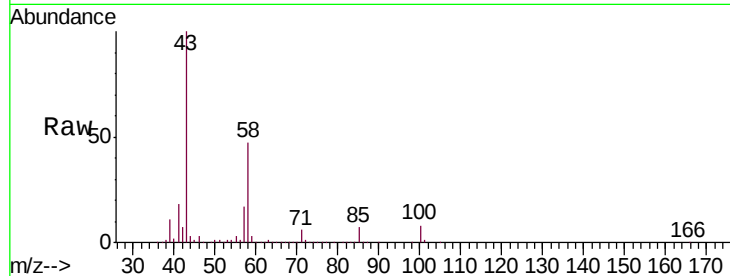




#48
2-Hexanone
Concen: 97.595 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

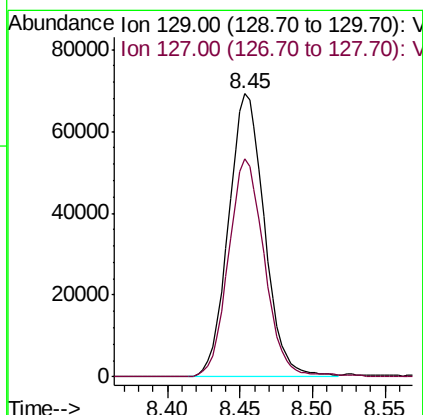
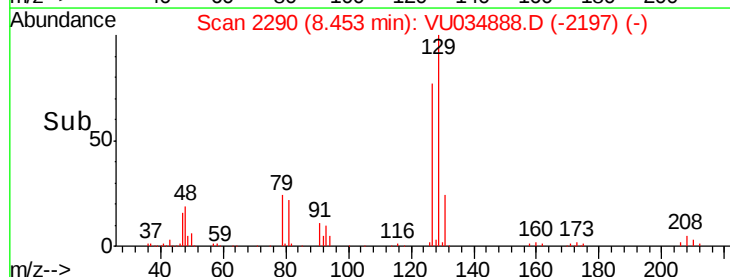
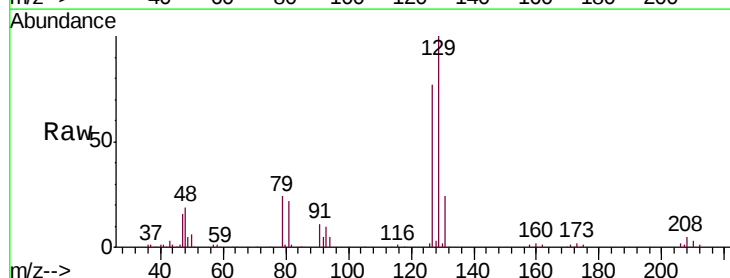
Instrument :
MSVOA_U
ClientSampleId :
VICV31

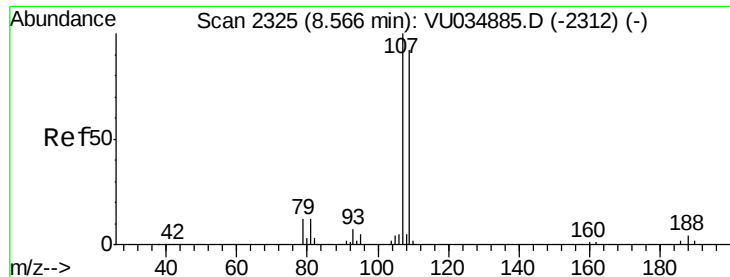
Tgt Ion: 43 Resp: 358412
Ion Ratio Lower Upper
43 100
58 46.4 37.8 56.8
57 16.5 13.4 20.0
100 8.5 7.1 10.7



#49
Dibromochloromethane
Concen: 50.971 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Tgt Ion: 129 Resp: 118963
Ion Ratio Lower Upper
129 100
127 77.2 55.8 103.6

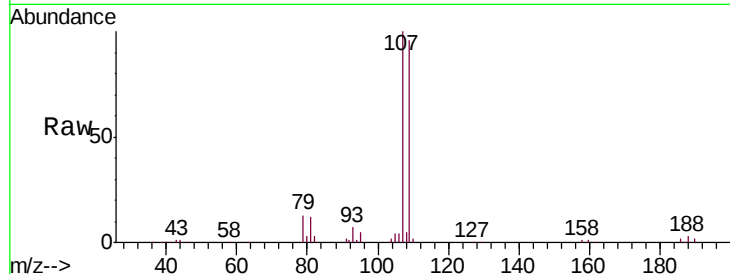




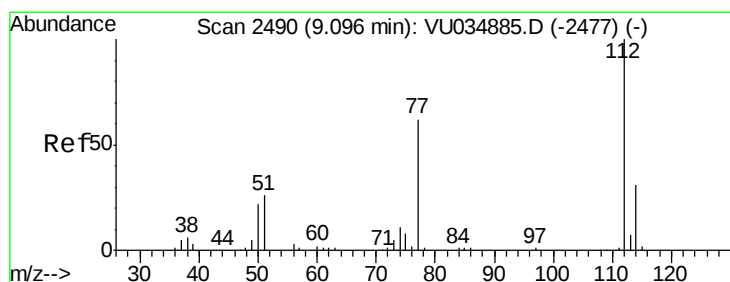
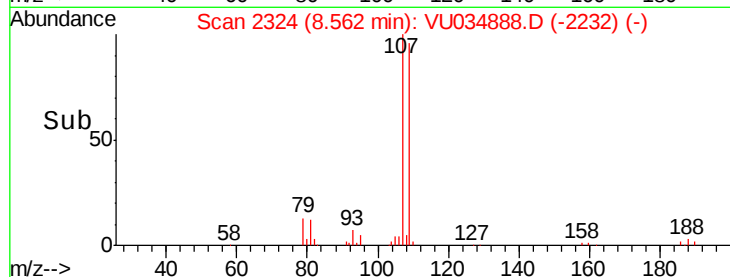
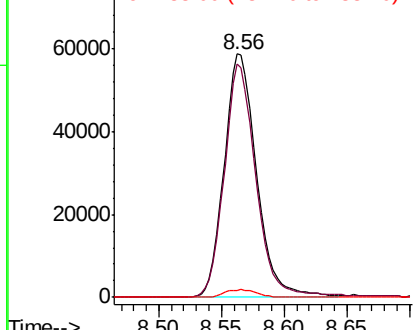
#50
1,2-Dibromoethane
Concen: 50.701 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Tgt Ion:107 Resp: 105504
Ion Ratio Lower Upper
107 100
109 95.6 64.6 120.0
188 3.1 2.8 4.2

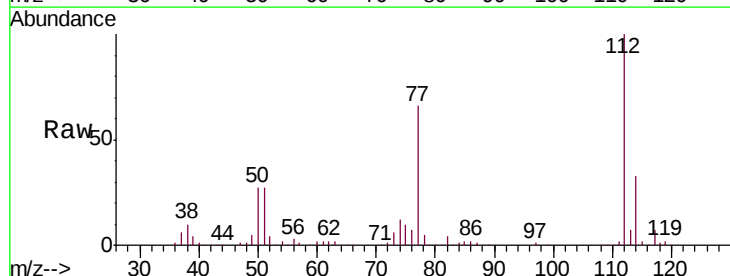


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

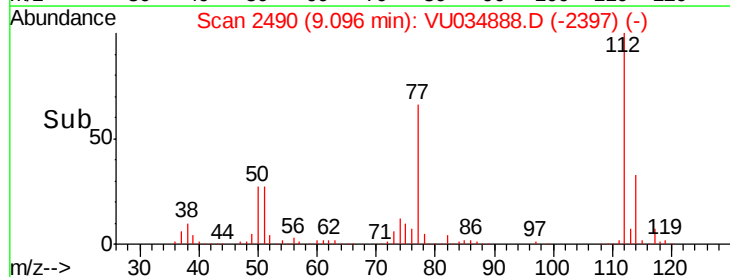
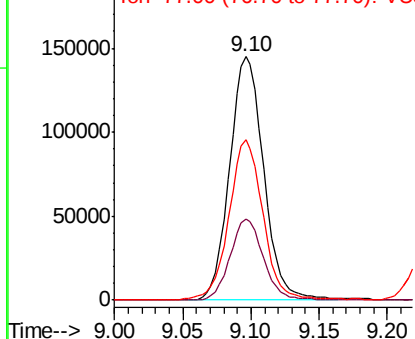


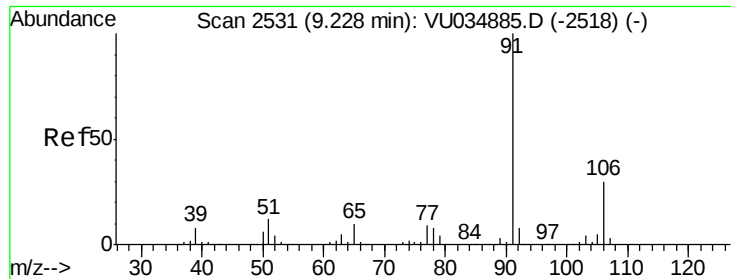
#51
Chlorobenzene
Concen: 48.909 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034888.D
Acq: 30 Sep 2019 19:39

Tgt Ion:112 Resp: 251657
Ion Ratio Lower Upper
112 100
114 33.1 21.7 40.3
77 65.7 50.1 75.1



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





#52

Ethylbenzene

Concen: 50.214 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

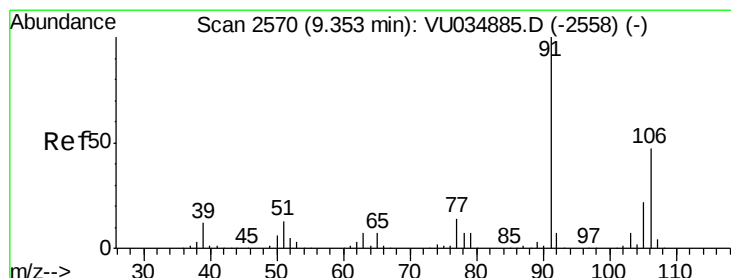
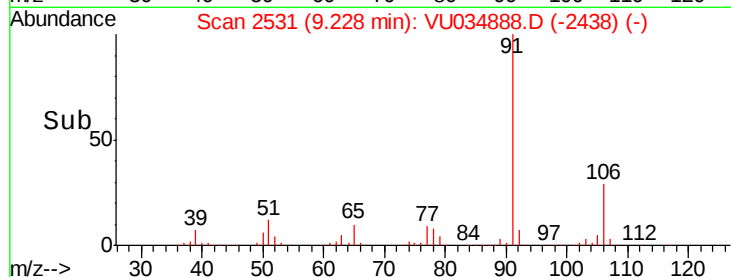
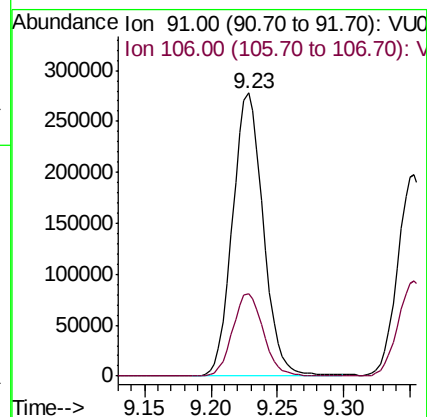
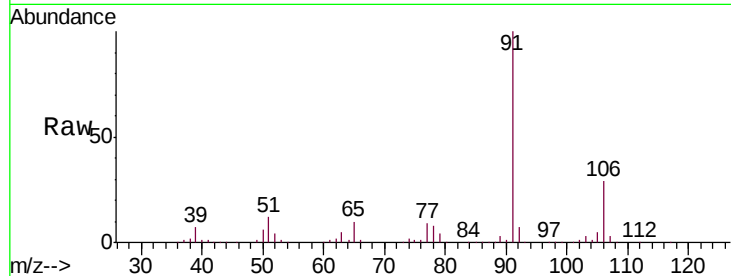
VICV31

Tgt Ion: 91 Resp: 447581

Ion Ratio Lower Upper

91 100

106 29.2 20.9 38.9



#53

m,p-Xylene

Concen: 49.962 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034888.D

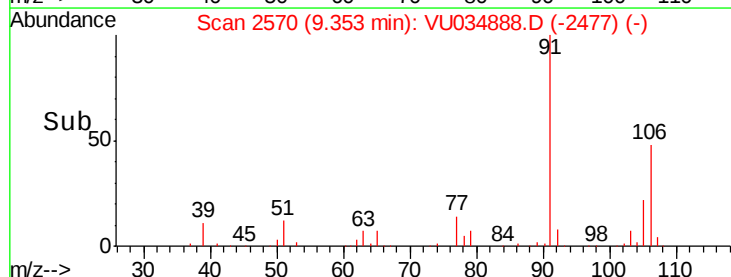
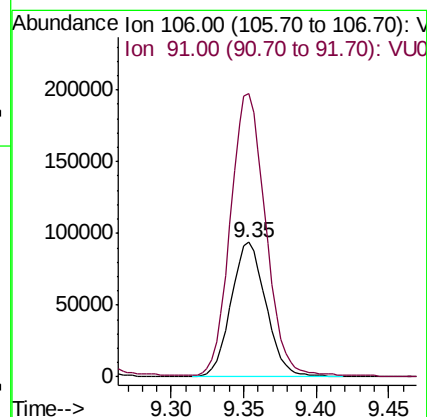
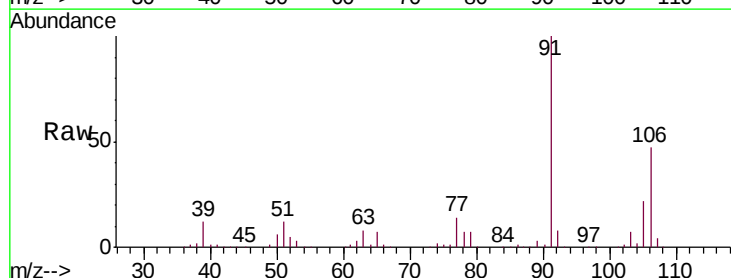
Acq: 30 Sep 2019 19:39

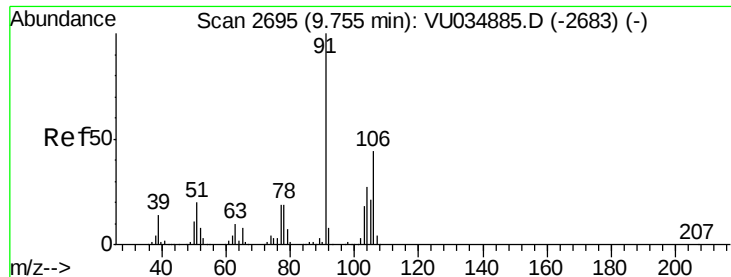
Tgt Ion: 106 Resp: 155597

Ion Ratio Lower Upper

106 100

91 210.6 150.1 278.9





#54

o-xylene

Concen: 50.704 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

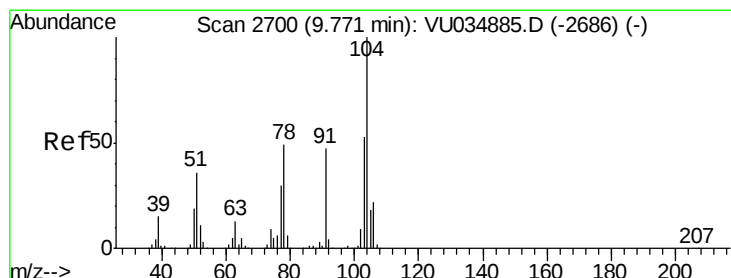
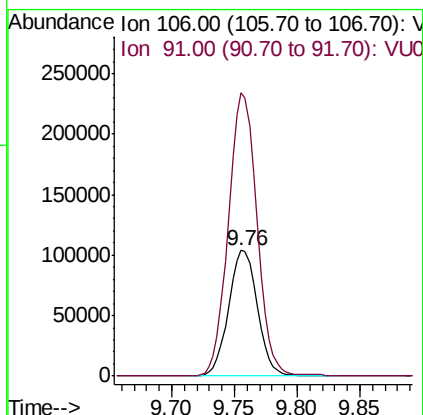
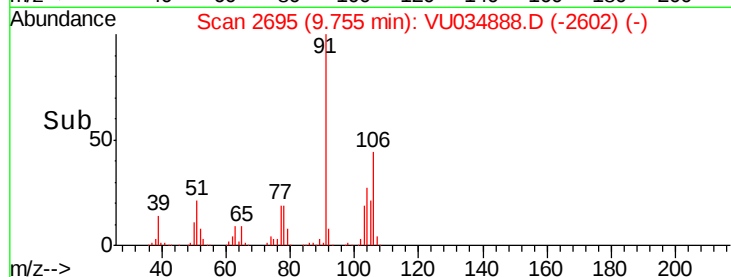
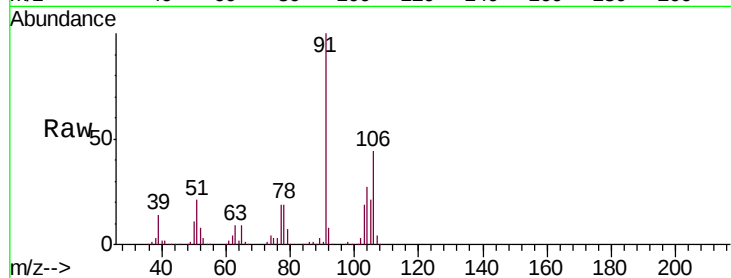
VICV31

Tgt Ion:106 Resp: 166535

Ion Ratio Lower Upper

106 100

91 225.1 157.8 293.0



#55

Styrene

Concen: 50.073 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VU034888.D

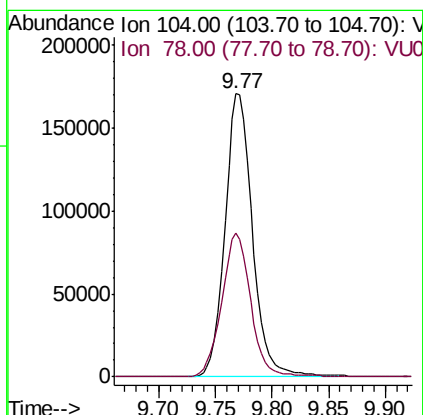
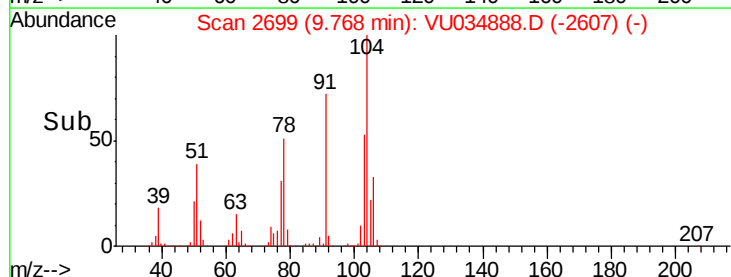
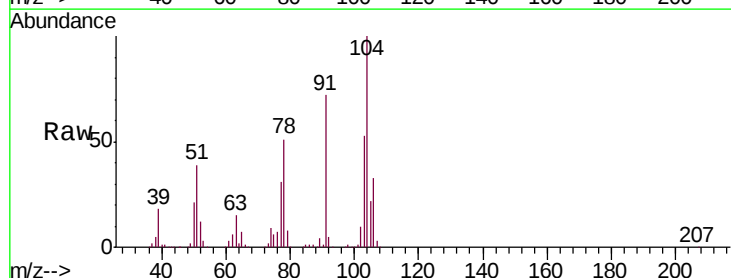
Acq: 30 Sep 2019 19:39

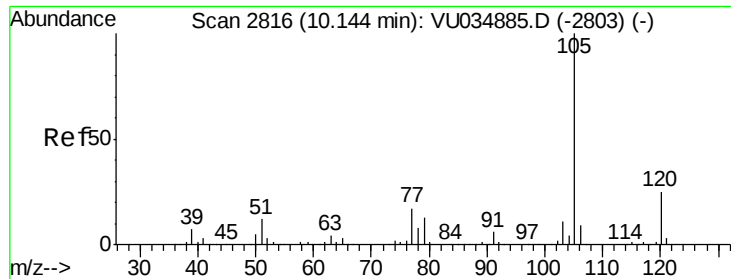
Tgt Ion:104 Resp: 288667

Ion Ratio Lower Upper

104 100

78 50.6 34.6 64.2





#56

Isopropylbenzene

Concen: 50.182 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

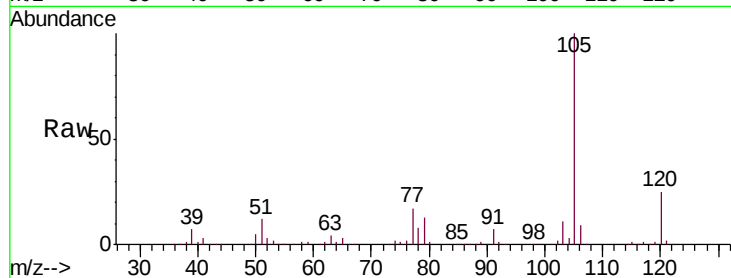
Tgt Ion: 105 Resp: 460470

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4

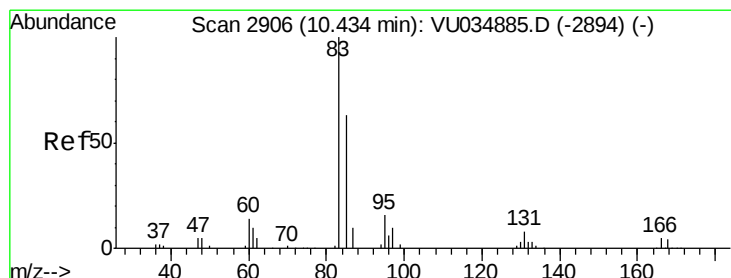
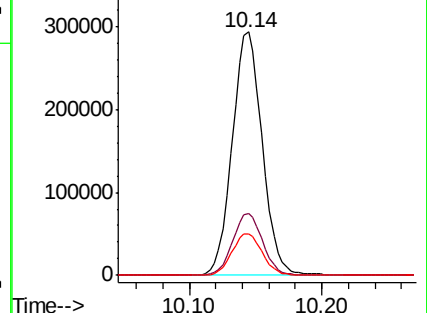
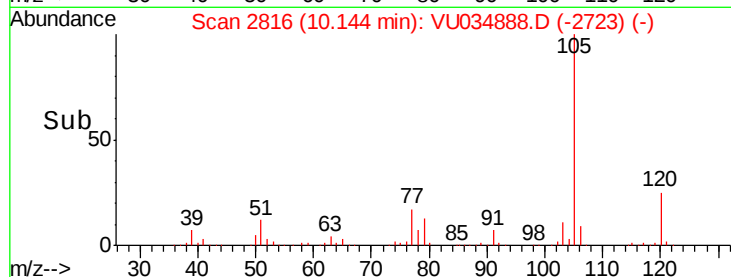
77 17.4 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.019 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

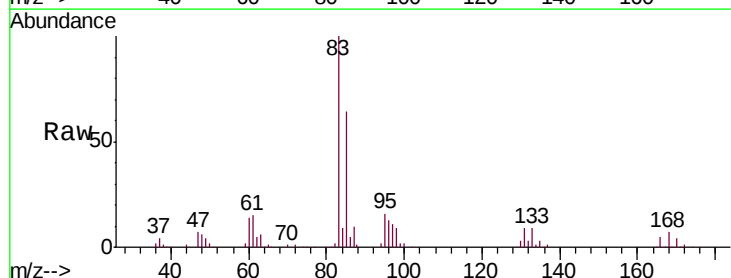
Tgt Ion: 83 Resp: 219032

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

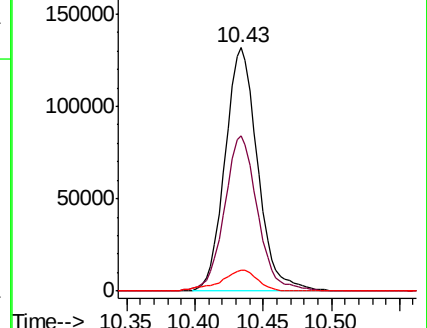
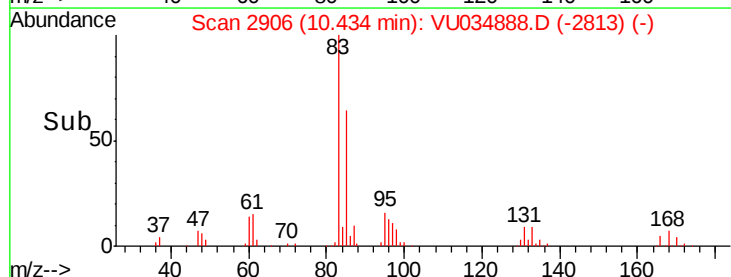
131 8.6 6.8 10.2

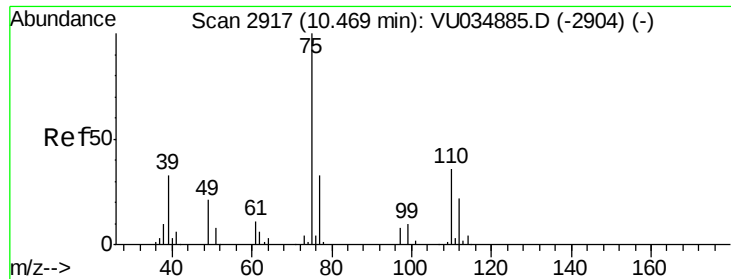


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

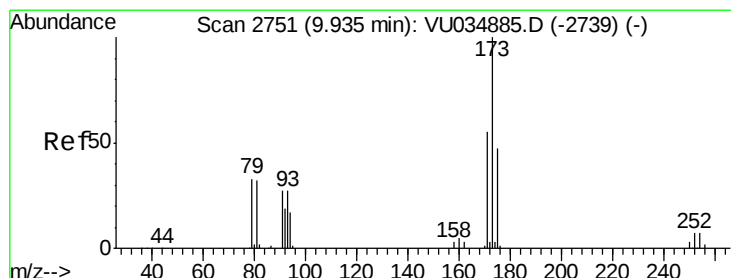
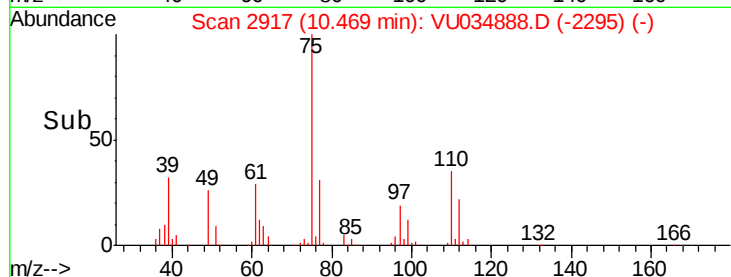
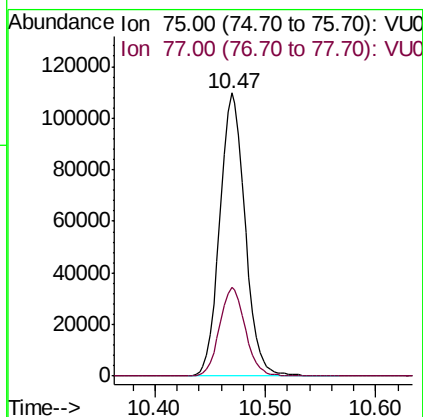
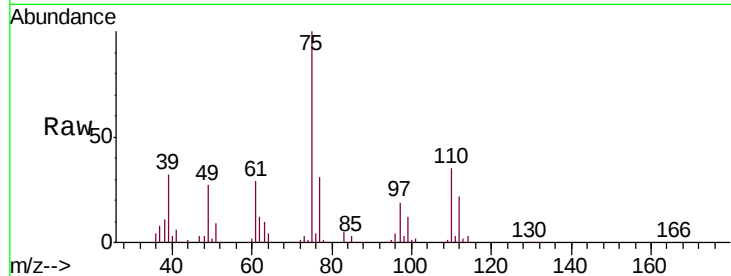




#59
 1,2,3-Trichloropropane
 Concen: 48.714 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

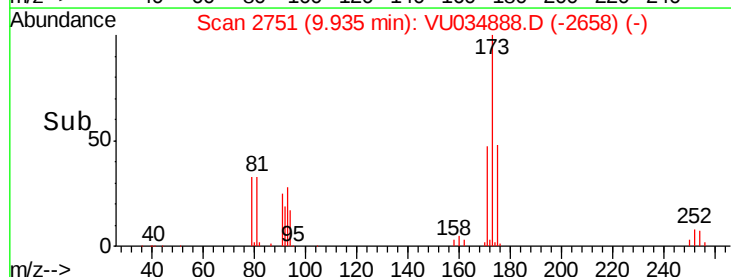
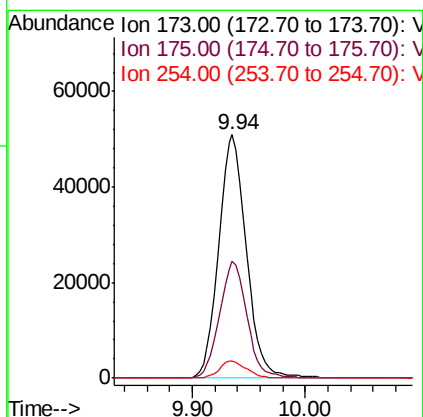
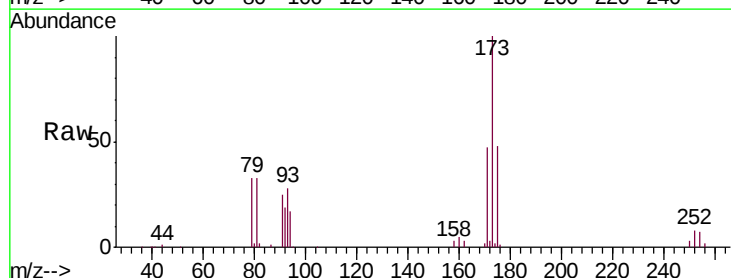
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

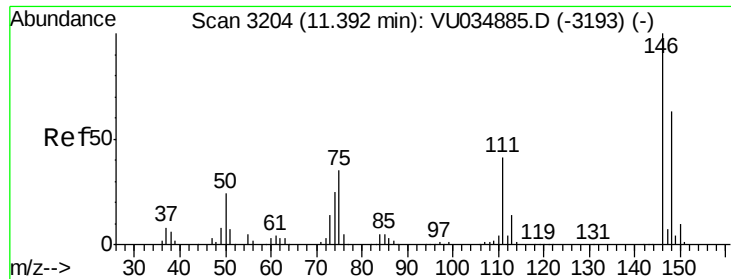
Tgt Ion: 75 Resp: 175192
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#61
 Bromoform
 Concen: 50.962 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion: 173 Resp: 86592
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.7 56.5
 254 6.8 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 49.854 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

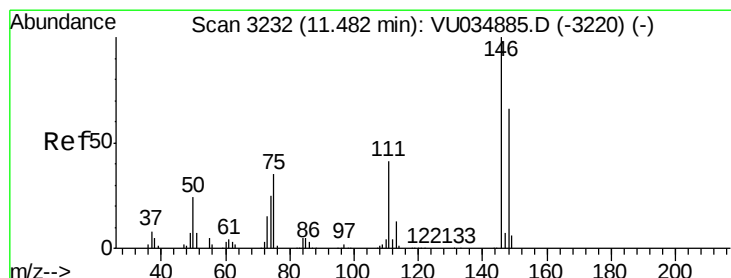
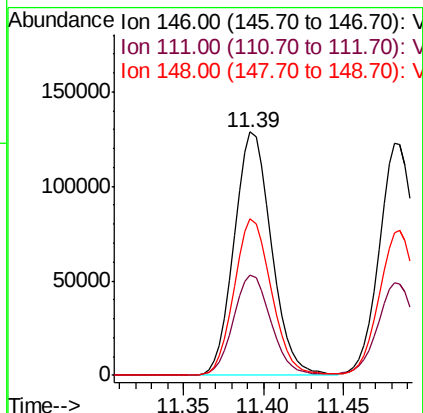
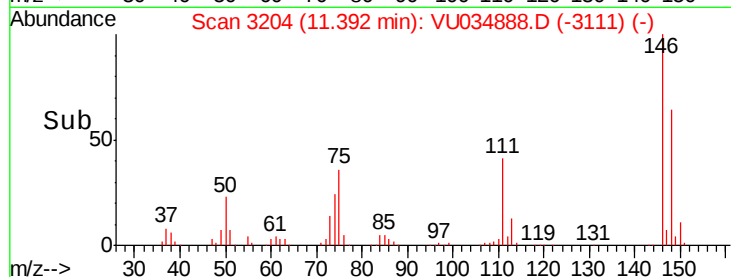
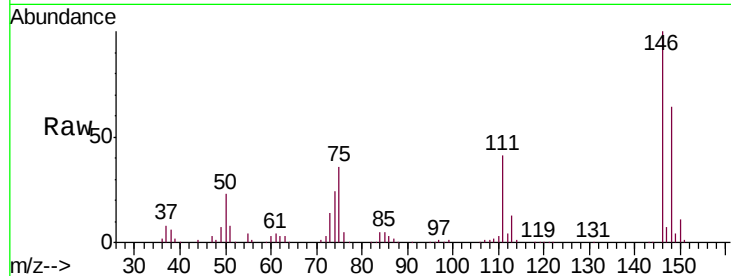
Tgt Ion:146 Resp: 204622

Ion Ratio Lower Upper

146 100

111 41.4 28.9 53.7

148 64.2 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 48.308 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

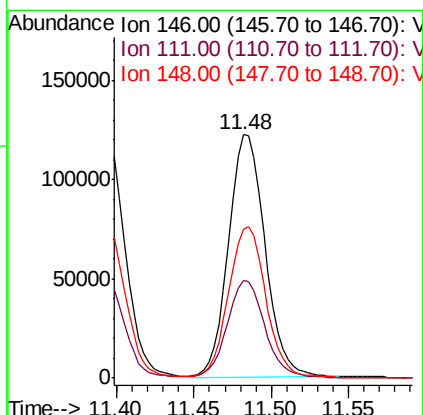
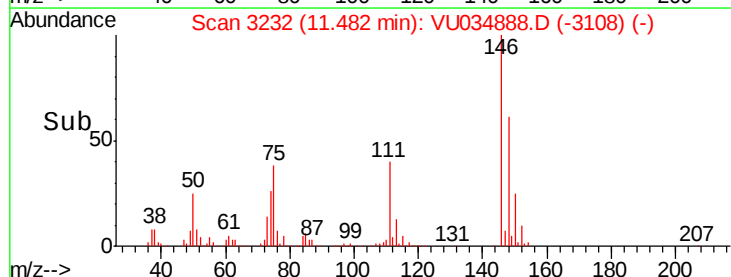
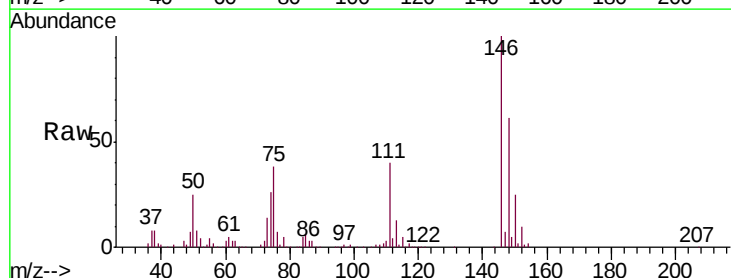
Tgt Ion:146 Resp: 199479

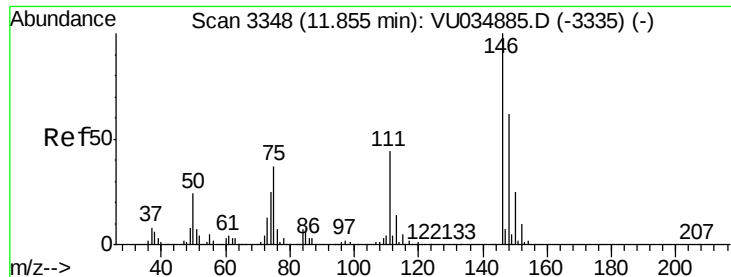
Ion Ratio Lower Upper

146 100

111 39.9 29.2 54.2

148 61.2 46.1 85.5

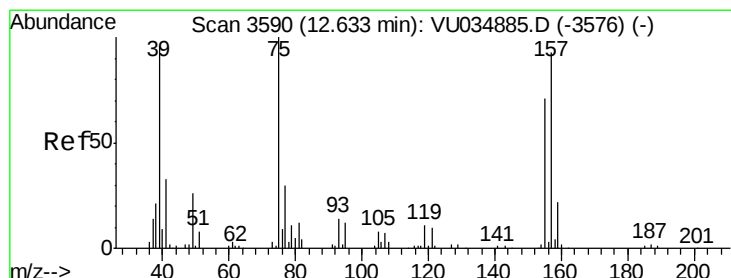
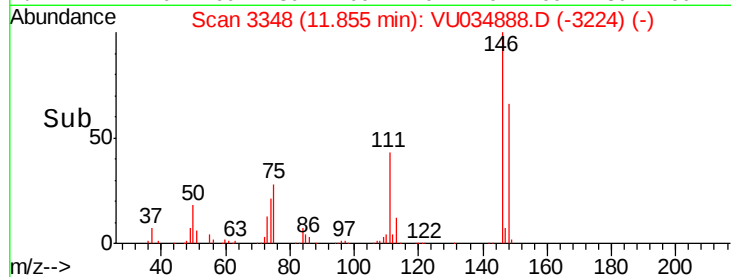
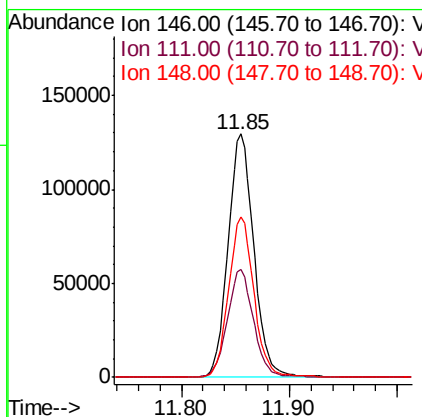
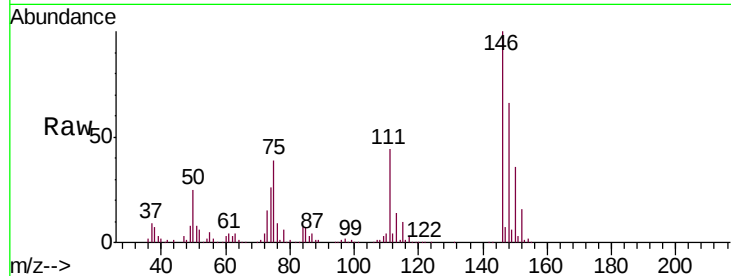




#65
 1,2-Dichlorobenzene
 Concen: 49.071 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

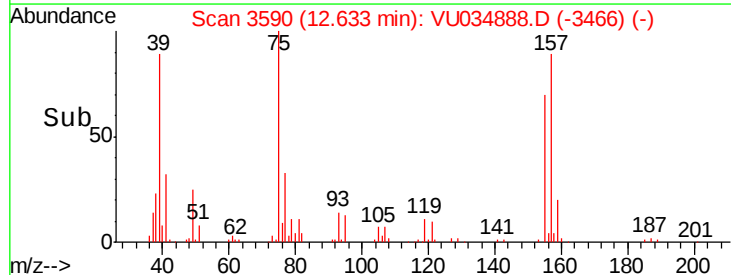
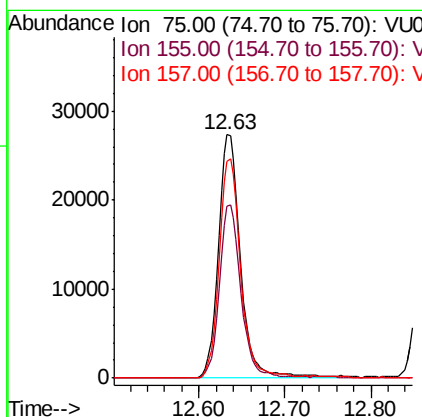
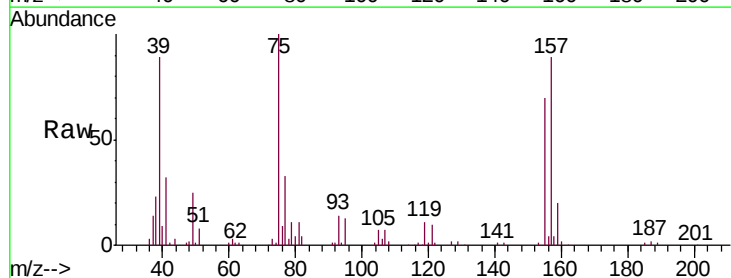
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

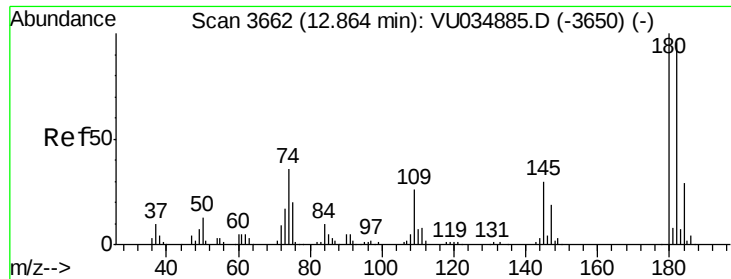
Tgt Ion: 146 Resp: 216250
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 66.1 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.015 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion: 75 Resp: 48928
 Ion Ratio Lower Upper
 75 100
 155 70.4 57.0 85.6
 157 89.3 74.2 111.4

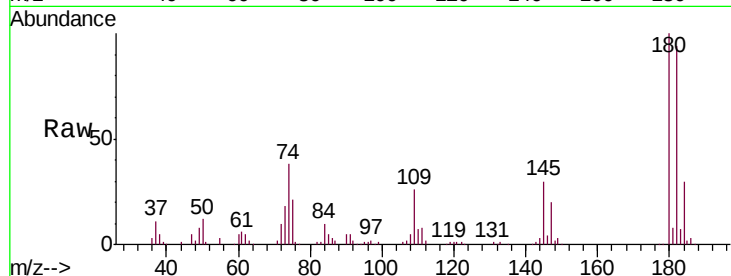




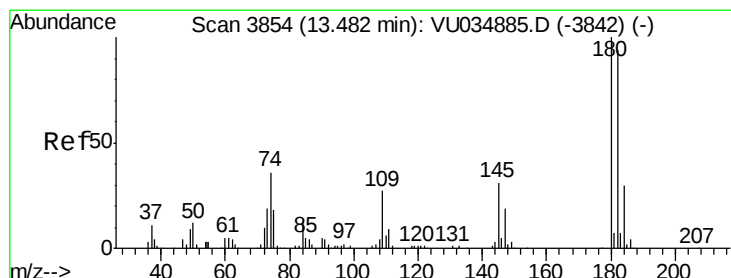
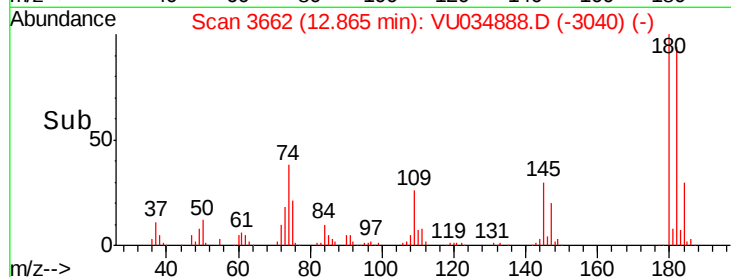
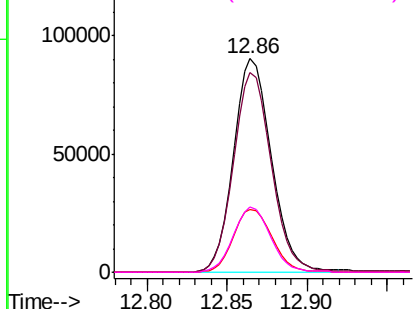
#67
 1,3,5-Trichlorobenzene
 Concen: 52.186 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Instrument :
 MSVOA_U
 ClientSampled :
 VICV31

Tgt Ion:	180	Resp:	145804
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.2
184	30.1	23.8	35.6
145	30.1	23.8	35.6

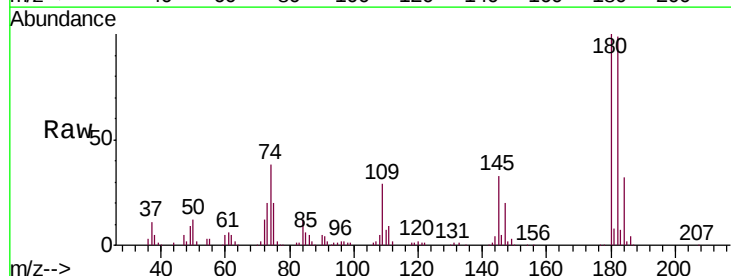


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

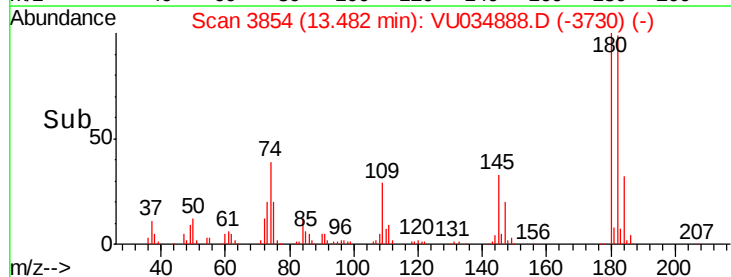
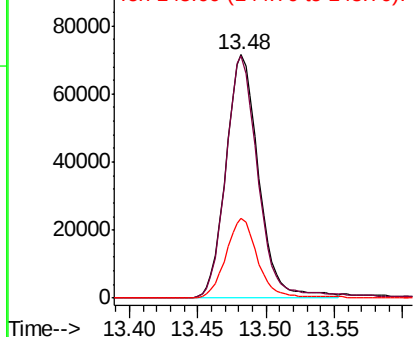


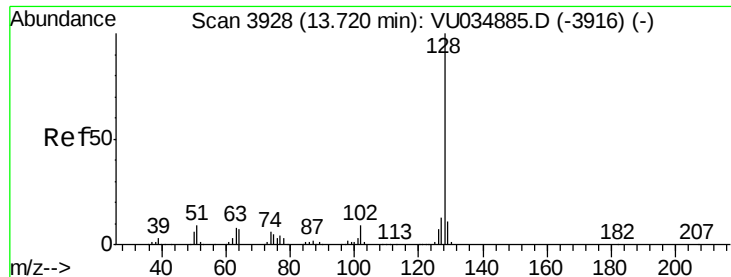
#68
 1,2,4-trichlorobenzene
 Concen: 53.496 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034888.D
 Acq: 30 Sep 2019 19:39

Tgt Ion:	180	Resp:	119895
Ion	Ratio	Lower	Upper
180	100		
182	95.7	73.4	110.2
145	32.0	24.4	36.6



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: 57.012 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

Instrument :

MSVOA_U

ClientSampleId :

VICV31

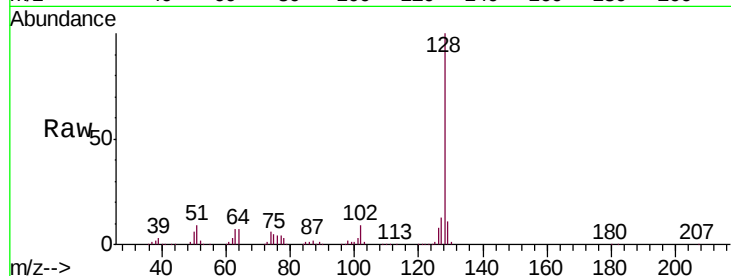
Tgt Ion:128 Resp: 418711

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

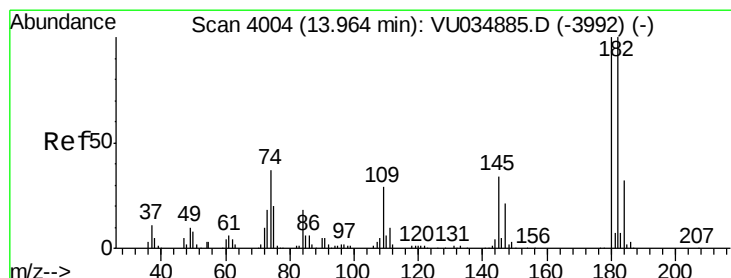
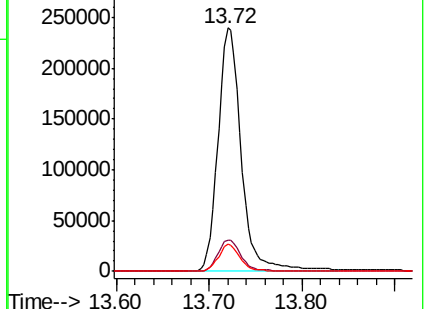
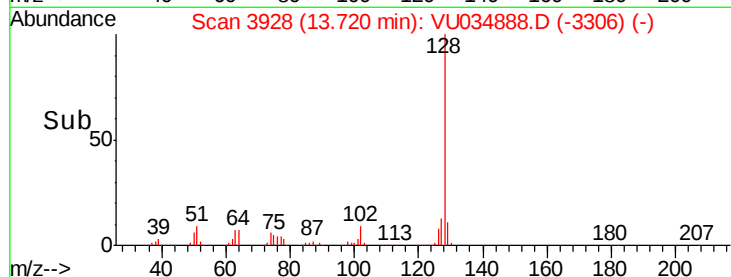
129 10.5 8.5 12.7



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: 54.249 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. 0.00 min

Lab File: VU034888.D

Acq: 30 Sep 2019 19:39

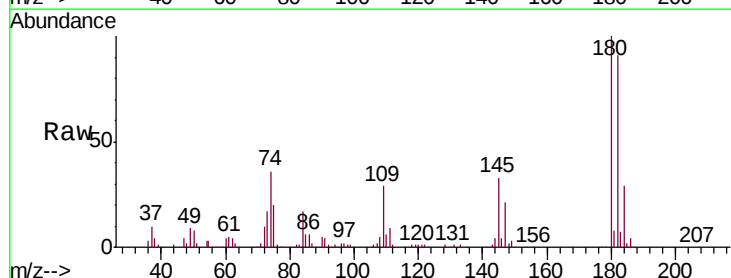
Tgt Ion:180 Resp: 129355

Ion Ratio Lower Upper

180 100

182 93.4 77.7 116.5

145 32.9 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

