

Data File : VU036304.D
Acq On : 20 Dec 2019 00:06
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Dec 20 05:38:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	244648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	267697	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	147074	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	108146	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	98966	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.60	63	158418	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.68	46	172224	42.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.34%
24) Chloroform-d	5.11	84	173048	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.75	65	85833	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.77	84	315794	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.73	67	95336	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.93	98	306660	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.21	79	41122	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.67	63	159801	47.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	90614	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	115509	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	139905	5.124	ug/L 98
3) Chloromethane	1.54	50	136967	3.998	ug/L 99
5) Vinyl chloride	1.62	62	151870	4.672	ug/L 99
6) Bromomethane	1.87	94	87596	5.393	ug/L 95
8) Chloroethane	1.95	64	94890	4.888	ug/L 99
9) Trichlorofluoromethane	2.16	101	216745	5.291	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	101775	5.185	ug/L 99
12) 1,1-Dichloroethene	2.61	96	90884	5.008	ug/L 87
13) Acetone	2.66	43	157341	44.731	ug/L 94
14) Carbon disulfide	2.83	76	291366	4.785	ug/L 98
15) Methyl Acetate	2.99	43	39529	5.562	ug/L 100
16) Methylene chloride	3.08	84	115457	4.327	ug/L 97
17) Methyl tert-butyl Ether	3.41	73	193260	4.969	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	92530	4.868	ug/L 92
19) 1,1-Dichloroethane	3.92	63	183297	5.223	ug/L 100
21) 2-Butanone	4.76	43	235440	50.090	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	103090	5.056	ug/L 100

Data File : VU036304.D
Acq On : 20 Dec 2019 00:06
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Dec 20 05:38:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52790	5.351	ug/L	98
25) Chloroform	5.13	83	201547	5.309	ug/L	98
27) 1,2-Dichloroethane	5.84	62	121383	5.391	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	167429	5.080	ug/L	98
30) Cyclohexane	5.43	56	127144	4.535	ug/L	98
31) Carbon tetrachloride	5.57	117	152763	5.084	ug/L	97
33) Benzene	5.82	78	420693	5.113	ug/L	100
34) Trichloroethene	6.58	95	104473	4.926	ug/L	96
35) Methylcyclohexane	6.80	83	133703	4.434	ug/L	95
37) 1,2-Dichloropropane	6.83	63	104543	4.981	ug/L	98
38) Bromodichloromethane	7.14	83	140505	5.143	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	135235	4.729	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	575018	52.376	ug/L	99
42) Toluene	8.00	91	463891	5.261	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	120822	5.030	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	82971	5.276	ug/L	92
47) Tetrachloroethene	8.58	164	93344	4.873	ug/L	95
48) 2-Hexanone	8.72	43	443825	54.169	ug/L	98
49) Dibromochloromethane	8.84	129	103633	5.331	ug/L	99
50) 1,2-Dibromoethane	8.95	107	77460	5.164	ug/L	96
51) Chlorobenzene	9.47	112	290309	4.985	ug/L	98
52) Ethylbenzene	9.60	91	432531	4.883	ug/L	100
53) m,p-Xylene	9.72	106	173819	5.093	ug/L	98
54) o-Xylene	10.13	106	160202	4.867	ug/L	99
55) Styrene	10.14	104	293505	5.039	ug/L	98
56) Isopropylbenzene	10.51	105	425760	5.037	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	105885	5.288	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	74851	5.366	ug/L	98
61) Bromoform	10.32	173	63386	4.965	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	243638	4.910	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	238354	4.843	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	226140	4.784	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	16148	5.143	ug/L	87
67) 1,3,5-Trichlorobenzene	13.24	180	170790	4.593	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	117318	4.803	ug/L	99
69) Naphthalene	14.10	128	156460	5.035	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	116705	4.940	ug/L	99

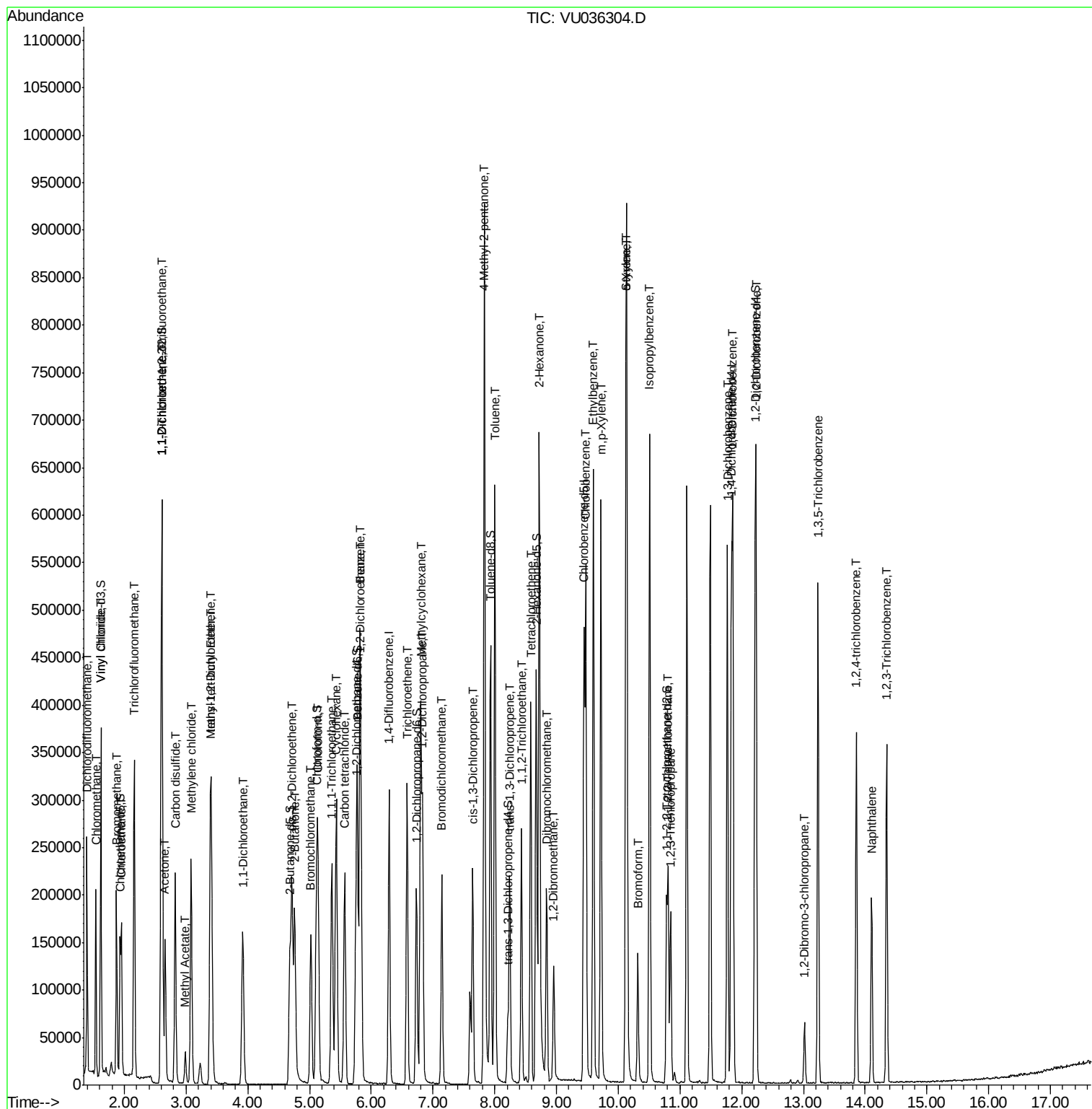
(#) = qualifier out of range (m) = manual integration (+) = signals summed

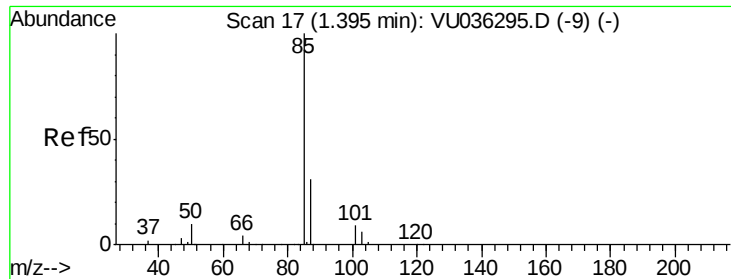
Data File : VU036304.D

```
Acq On       : 20 Dec 2019   00:06
Operator    : JC/MD
Sample      : VSTDCCC005EC
Misc        : 25.0mL/MSVOA_U/WATER
ALS Vial    : 29      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Dec 20 05:38:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.124 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

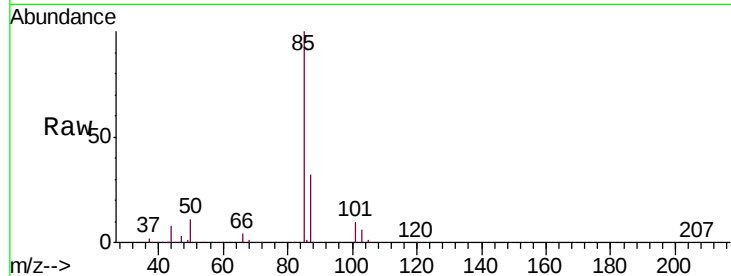
VSTD00523

Tgt Ion: 85 Resp: 139905

Ion Ratio Lower Upper

85 100

87 32.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036295.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036295.D (-9) (-)

1.39

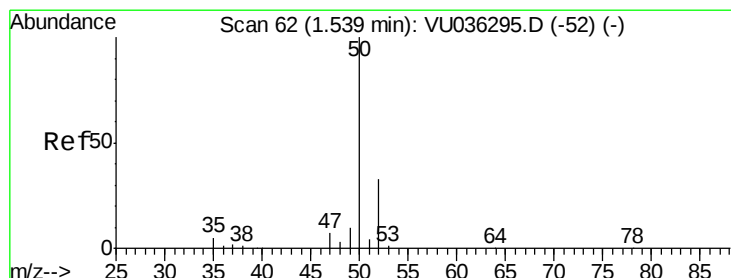
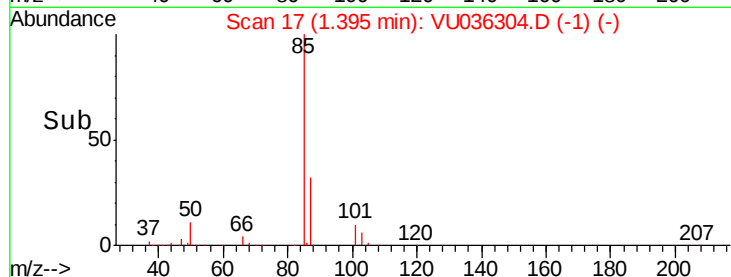
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.998 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036304.D

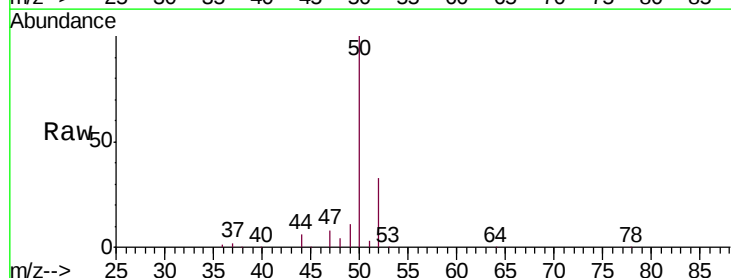
Acq: 20 Dec 2019 00:06

Tgt Ion: 50 Resp: 136967

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036295.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036295.D (-52) (-)

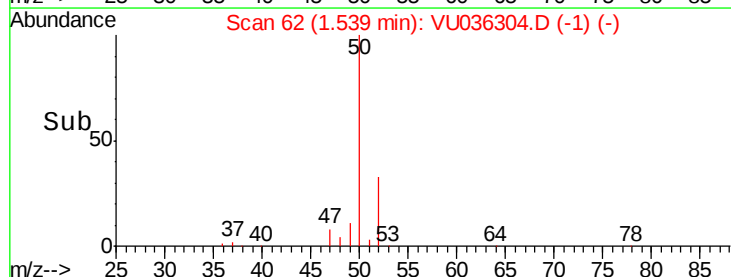
1.54

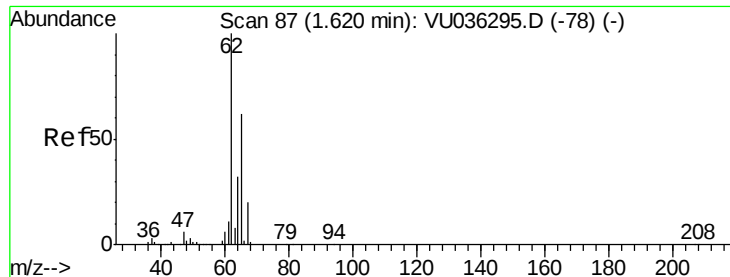
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.672 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

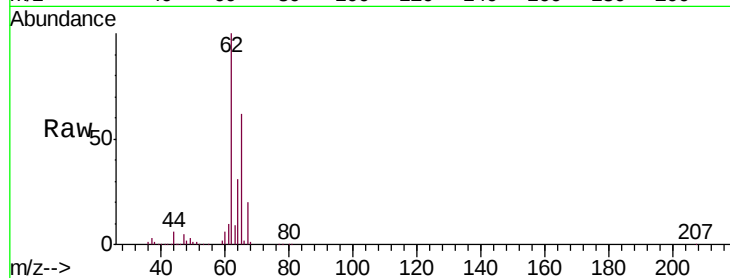
VSTD00523

Tgt Ion: 62 Resp: 151870

Ion Ratio Lower Upper

62 100

64 31.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036295.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU036295.D (-78) (-)

1.62

150000

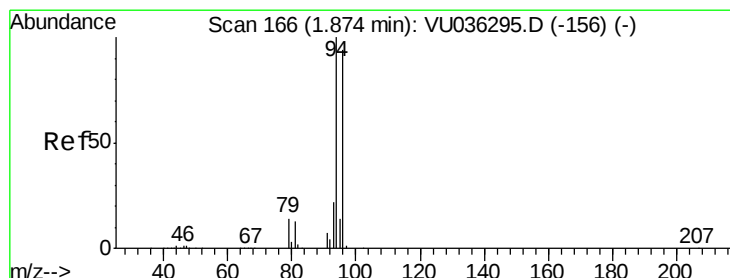
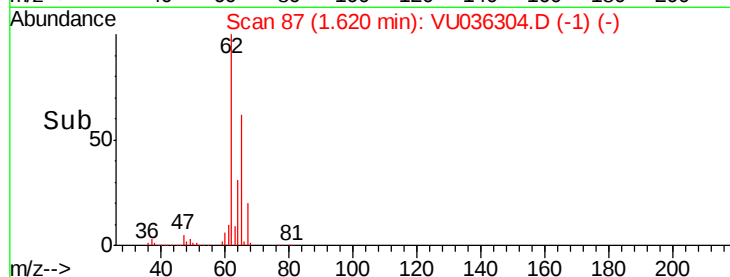
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 5.393 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036304.D

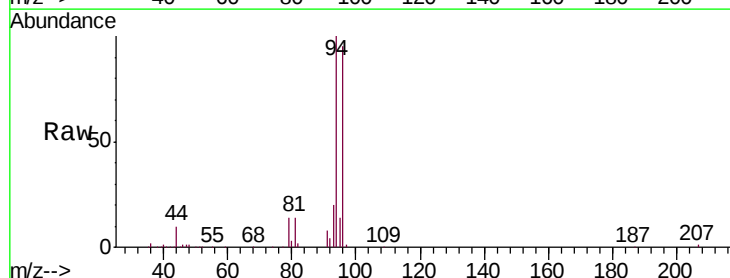
Acq: 20 Dec 2019 00:06

Tgt Ion: 94 Resp: 87596

Ion Ratio Lower Upper

94 100

96 94.7 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036295.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036295.D (-156) (-)

1.87

80000

60000

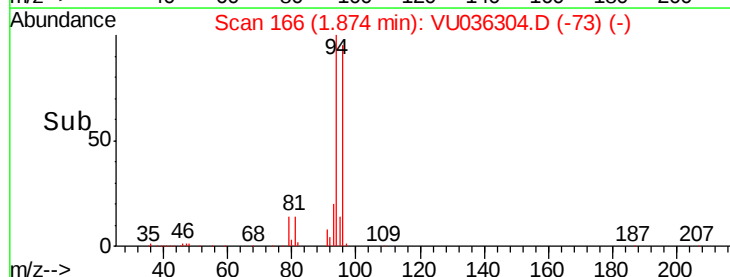
40000

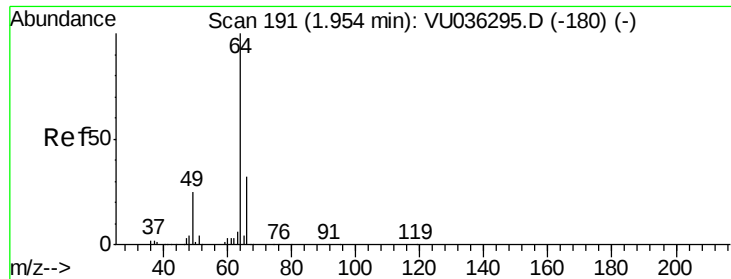
20000

0

1.80 1.85 1.90 1.95

Time-->

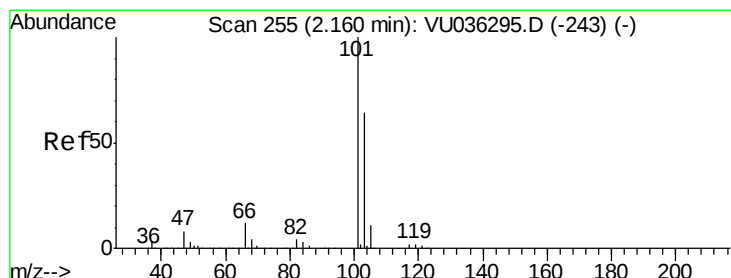
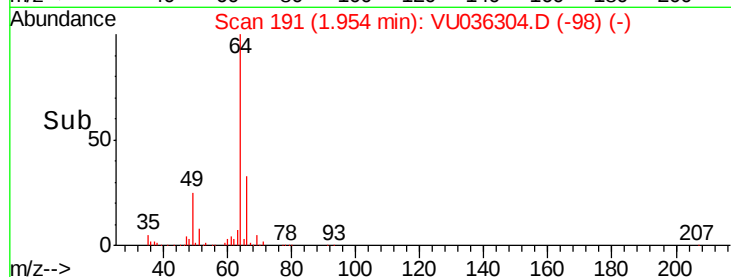
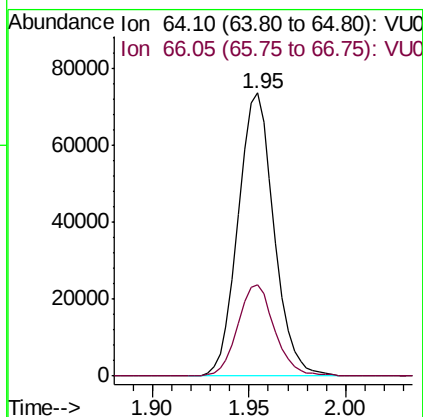
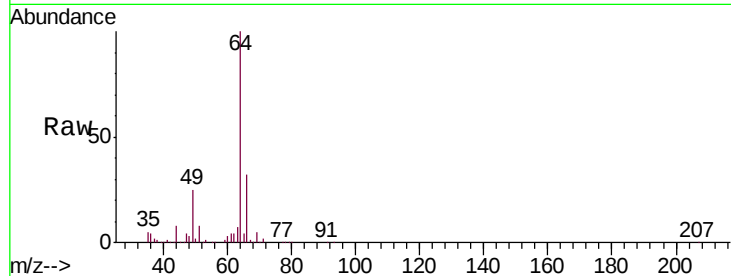




#8
Chloroethane
Concen: 4.888 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

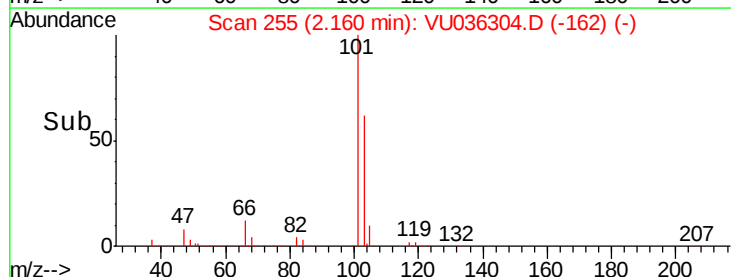
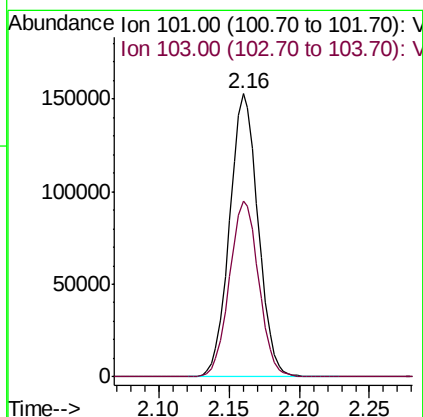
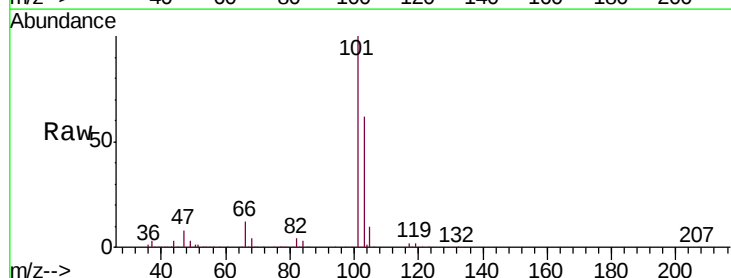
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

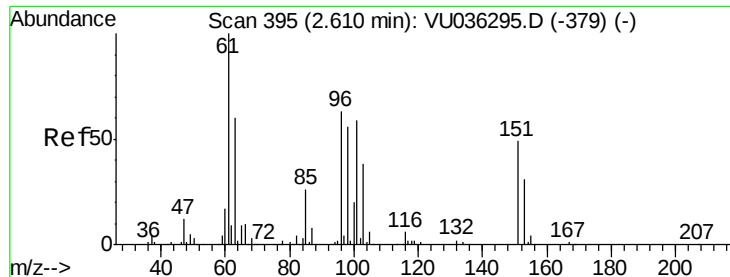
Tgt Ion: 64 Resp: 94890
Ion Ratio Lower Upper
64 100
66 32.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.291 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 101 Resp: 216745
Ion Ratio Lower Upper
101 100
103 63.7 50.4 75.6





#10

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

Concen: 5.185 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

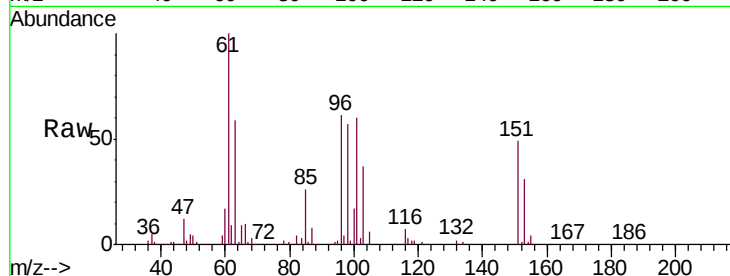
Tgt Ion:101 Resp: 101775

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.6

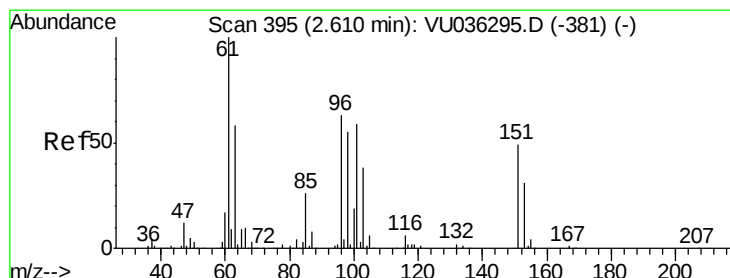
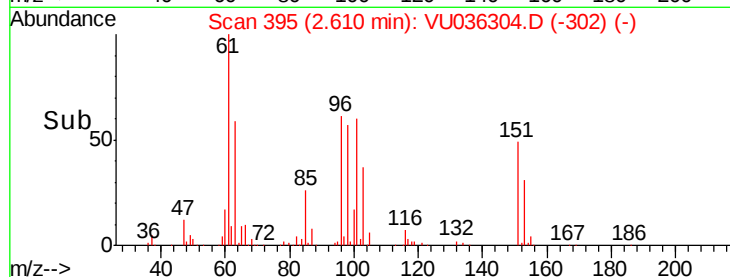
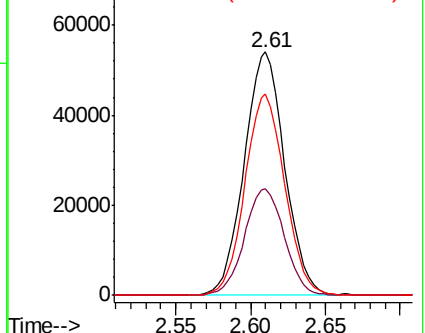
151 81.3 63.9 95.9



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: 5.008 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

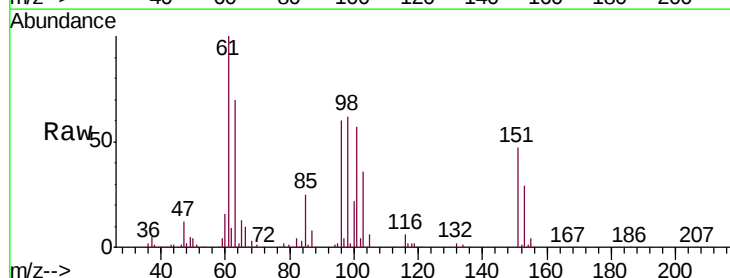
Tgt Ion: 96 Resp: 90884

Ion Ratio Lower Upper

96 100

61 167.8 114.0 211.8

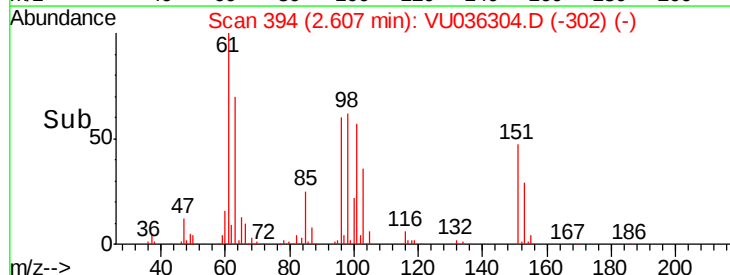
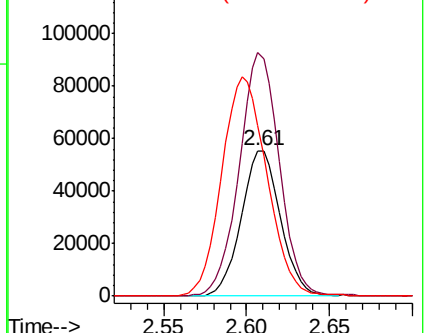
63 117.7 63.6 118.0

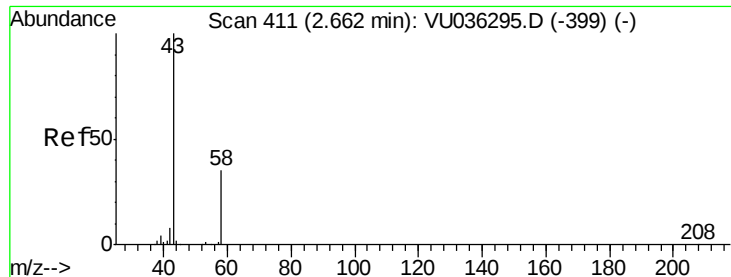


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.731 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

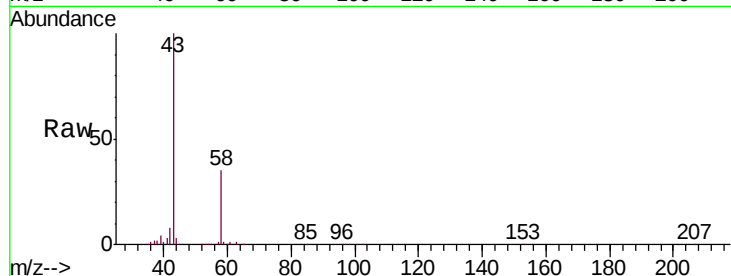
VSTD00523

Tgt Ion: 43 Resp: 157341

Ion Ratio Lower Upper

43 100

58 37.0 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036295.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036295.D (-399) (-)

2.66

100000

80000

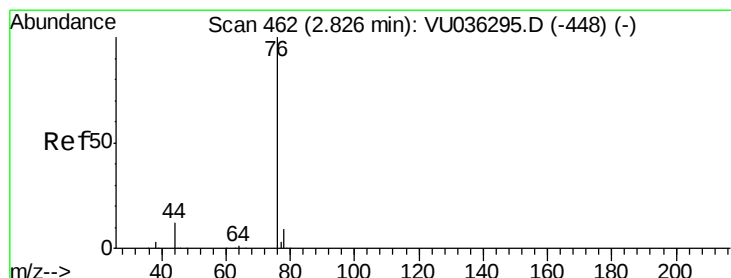
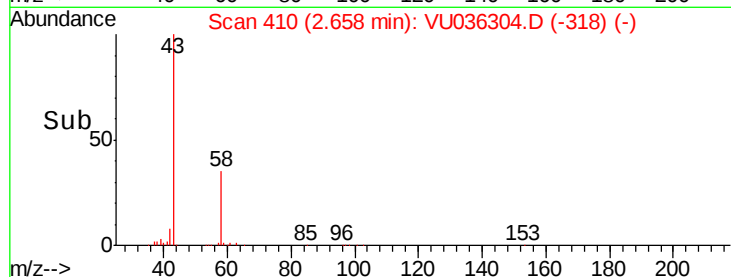
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.785 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036304.D

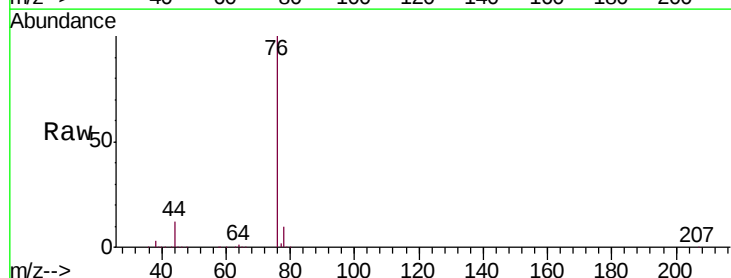
Acq: 20 Dec 2019 00:06

Tgt Ion: 76 Resp: 291366

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036295.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036295.D (-448) (-)

2.83

200000

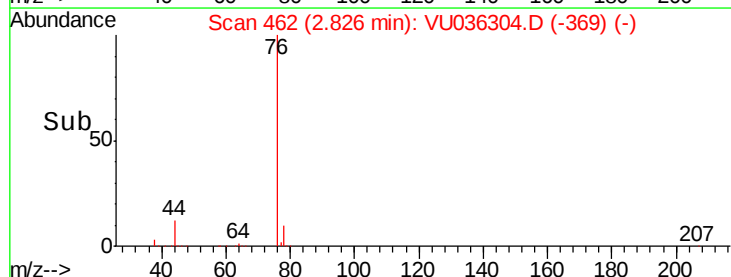
150000

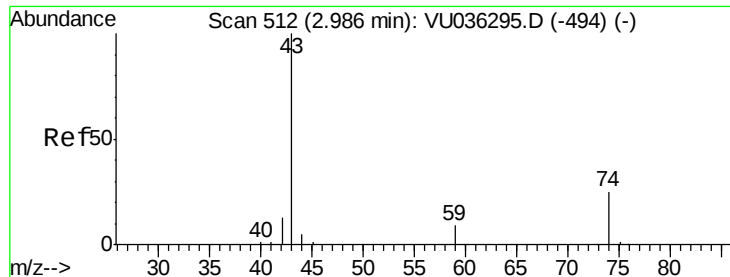
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 5.562 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

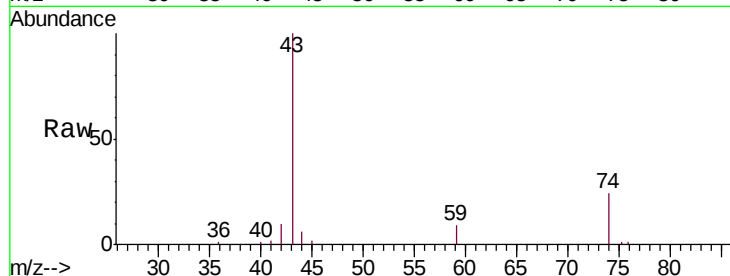
VSTD00523

Tgt Ion: 43 Resp: 39529

Ion Ratio Lower Upper

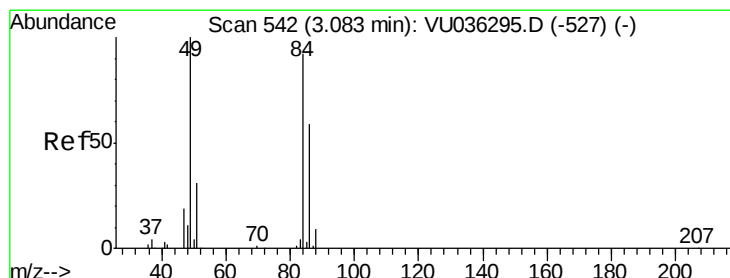
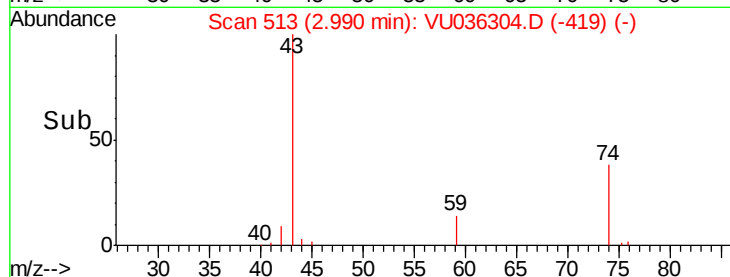
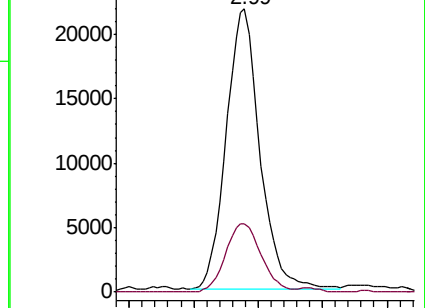
43 100

74 25.8 20.8 31.2



Abundance Ion 43.05 (42.75 to 43.75): VU036295.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU036295.D (-494) (-)



#16

Methylene chloride

Concen: 4.327 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

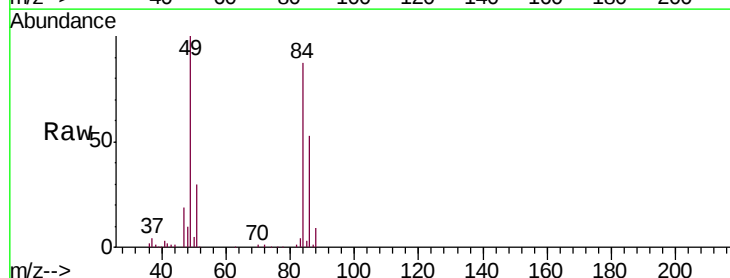
Tgt Ion: 84 Resp: 115457

Ion Ratio Lower Upper

84 100

86 60.8 43.0 79.8

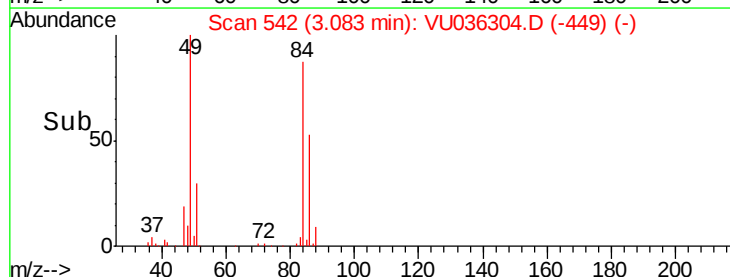
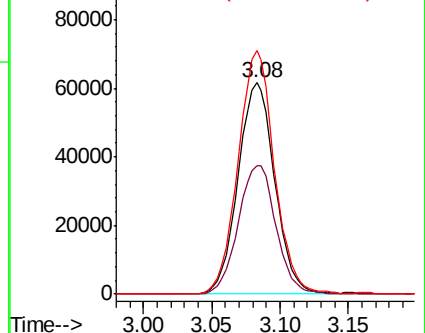
49 115.3 77.3 143.5

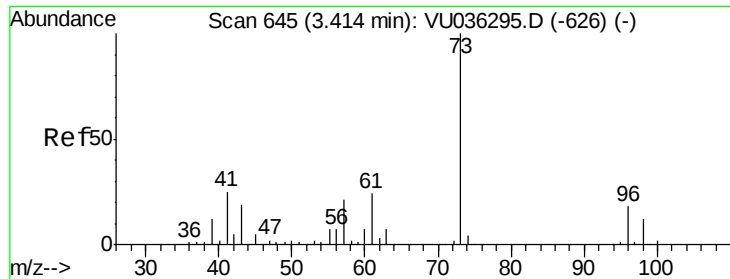


Abundance Ion 84.05 (83.75 to 84.75): VU036295.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036295.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036295.D (-527) (-)

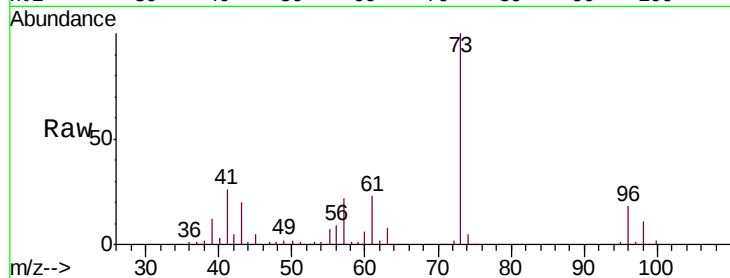




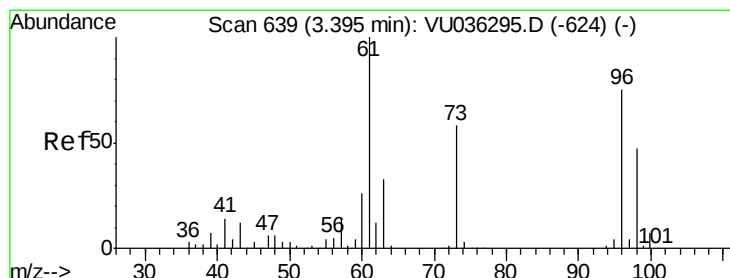
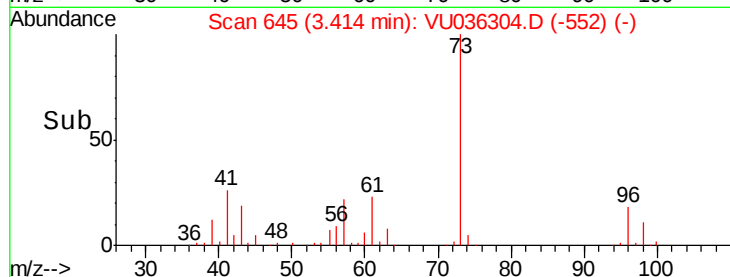
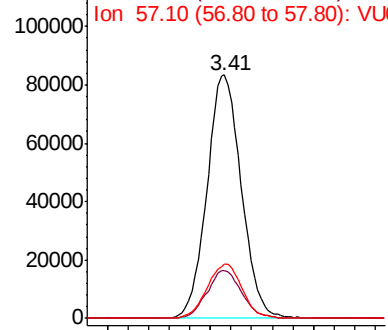
#17
Methyl tert-butyl Ether
Concen: 4.969 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion: 73 Resp: 193260
Ion Ratio Lower Upper
73 100
43 20.1 15.3 22.9
57 22.8 18.2 27.2

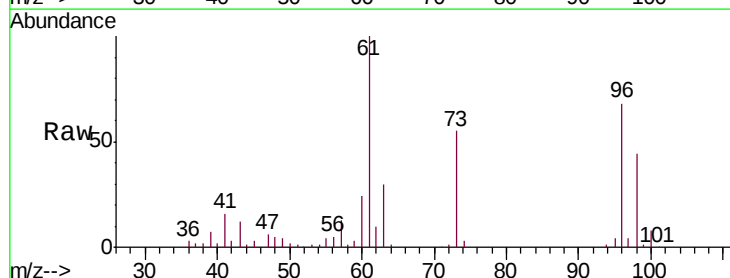


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

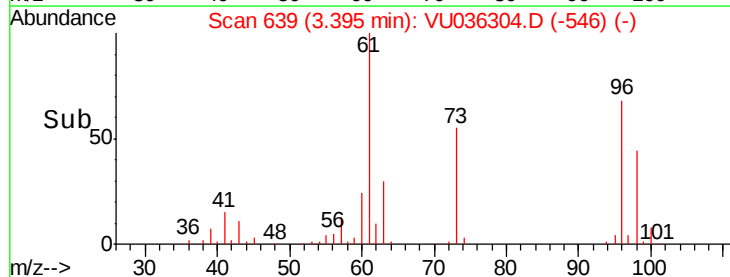
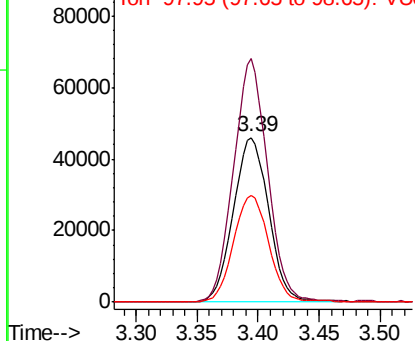


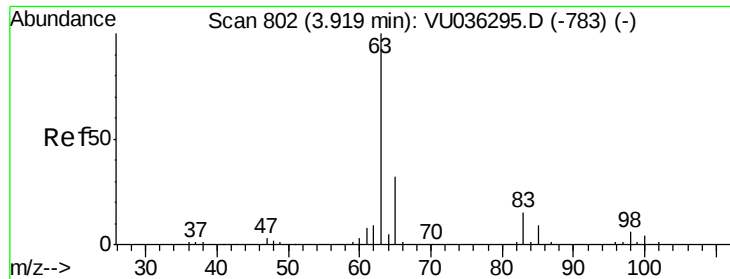
#18
trans-1,2-Dichloroethene
Concen: 4.868 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 96 Resp: 92530
Ion Ratio Lower Upper
96 100
61 147.8 94.8 176.2
98 65.1 46.8 86.8



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

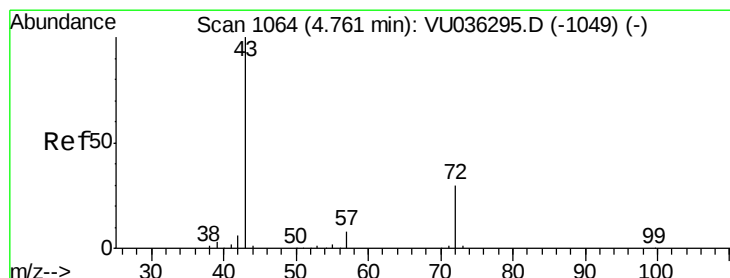
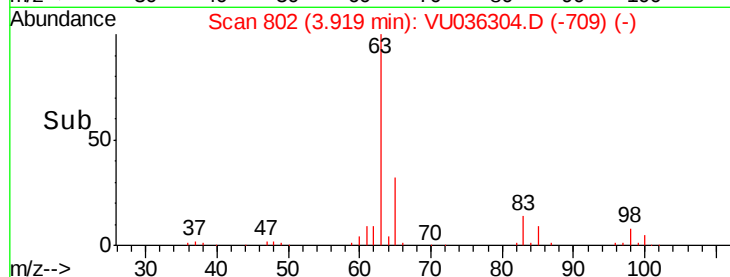
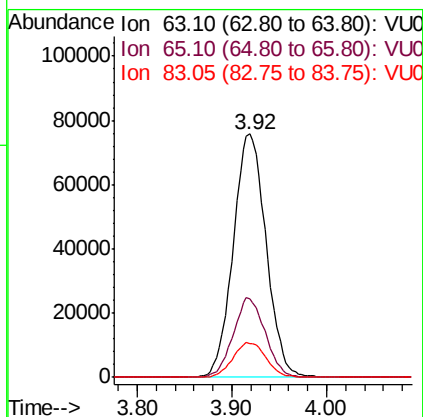
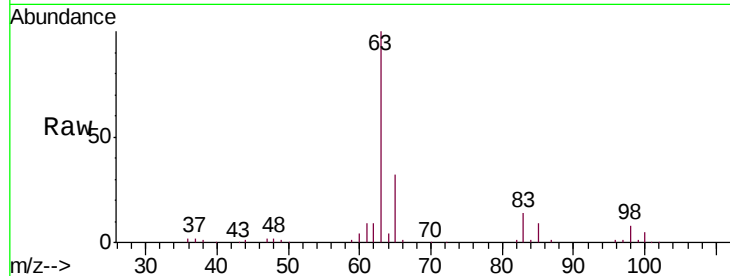




#19
 1,1-Dichloroethane
 Concen: 5.223 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

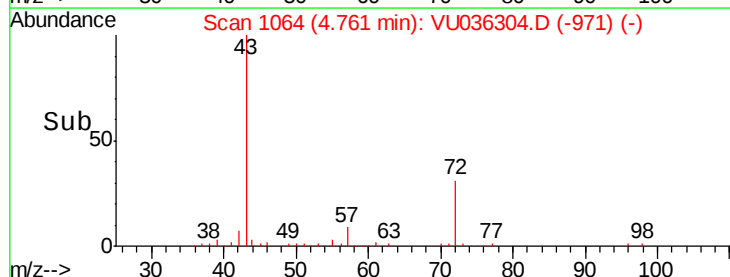
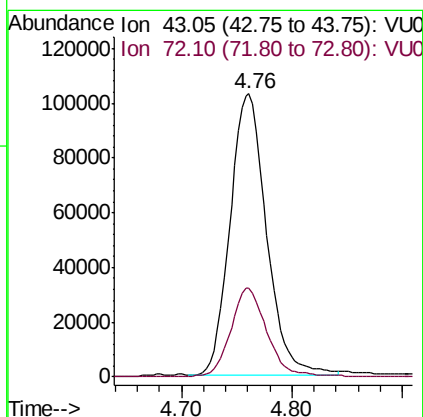
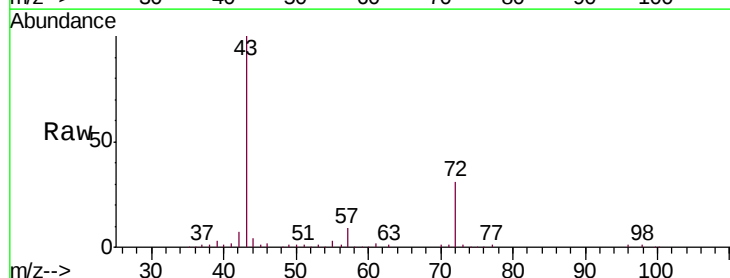
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

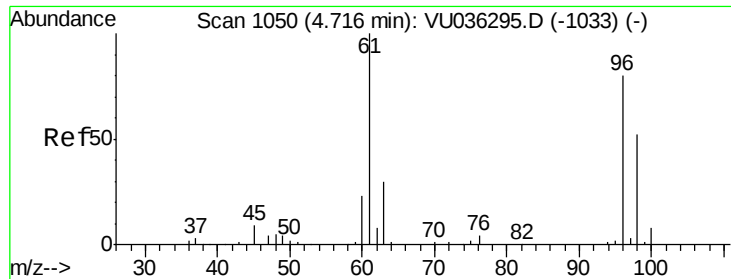
Tgt Ion: 63 Resp: 183297
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.6 42.0
 83 14.1 9.7 18.1



#21
 2-Butanone
 Concen: 50.090 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Tgt Ion: 43 Resp: 235440
 Ion Ratio Lower Upper
 43 100
 72 31.7 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 5.056 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

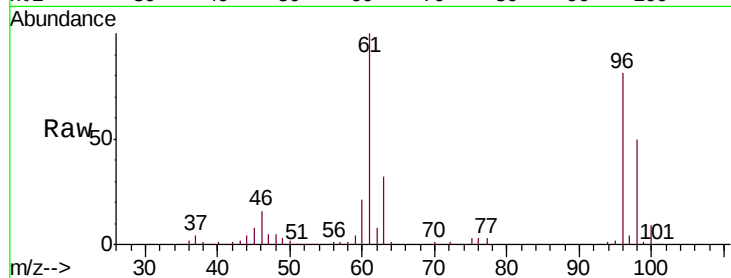
Tgt Ion: 96 Resp: 103090

Ion Ratio Lower Upper

96 100

61 123.8 86.7 161.1

68 0.0 0.0 0.0

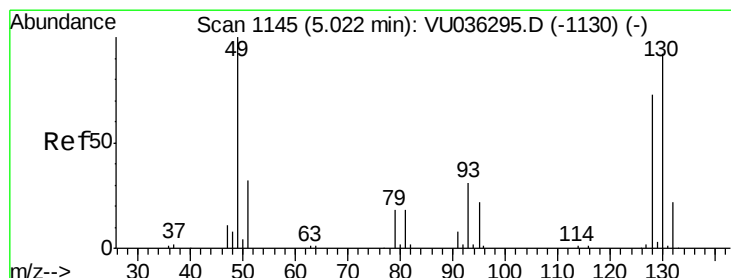
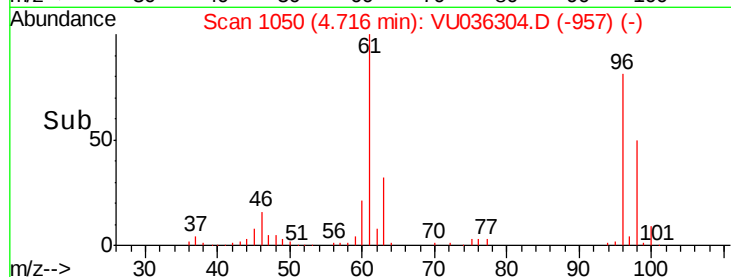
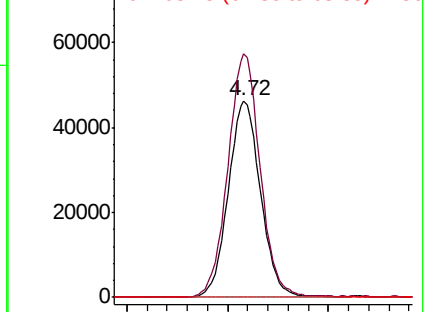


Abundance

Ion 96.00 (95.70 to 96.70): VU036304.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036304.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036304.D (-957) (-)



#23

Bromochloromethane

Concen: 5.351 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Tgt Ion: 128 Resp: 52790

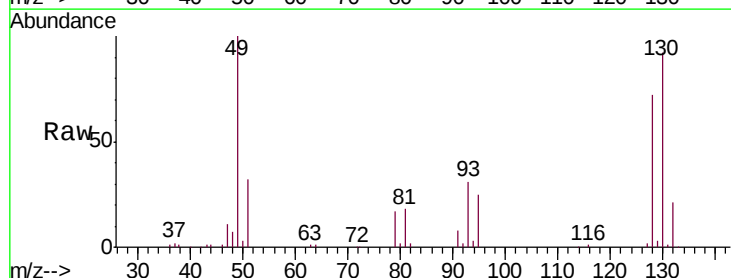
Ion Ratio Lower Upper

128 100

49 139.4 97.6 181.4

130 128.4 85.9 159.5

51 44.9 37.0 55.4



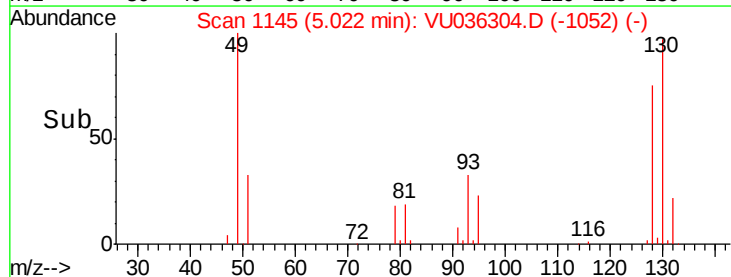
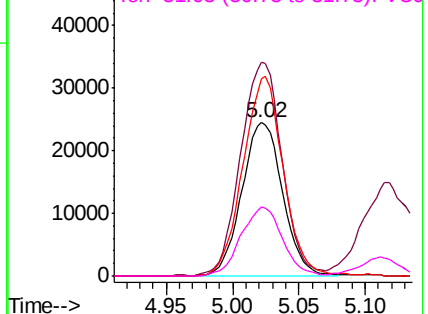
Abundance

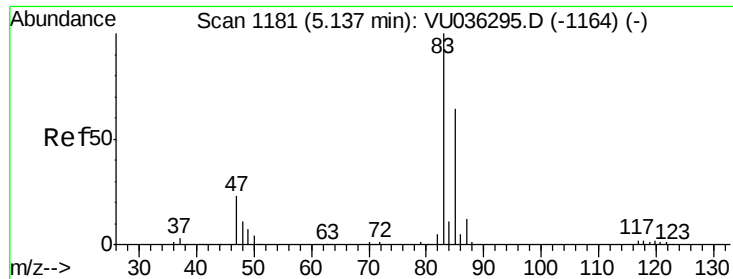
Ion 127.90 (127.60 to 128.60): VU036304.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036304.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036304.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036304.D (-1052) (-)

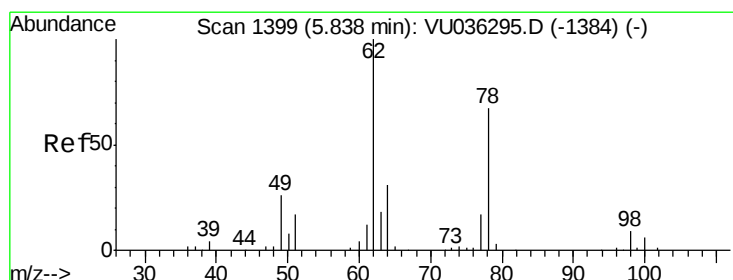
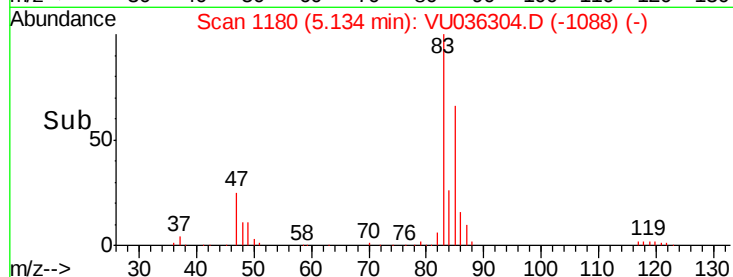
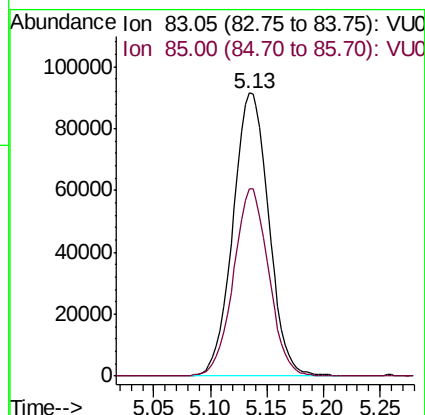
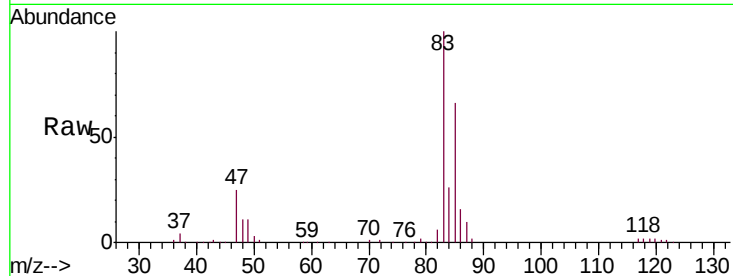




#25
Chloroform
Concen: 5.309 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

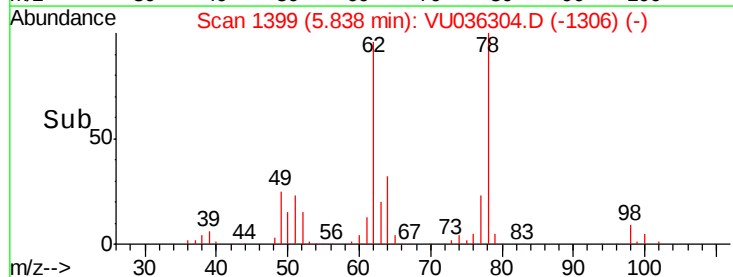
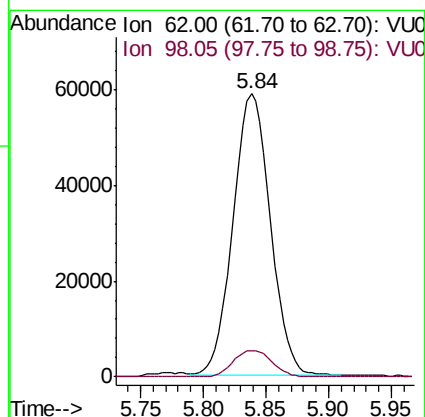
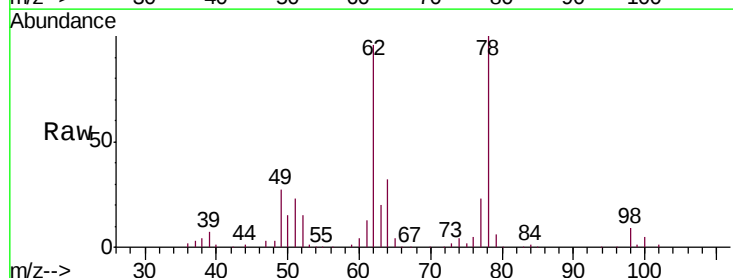
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

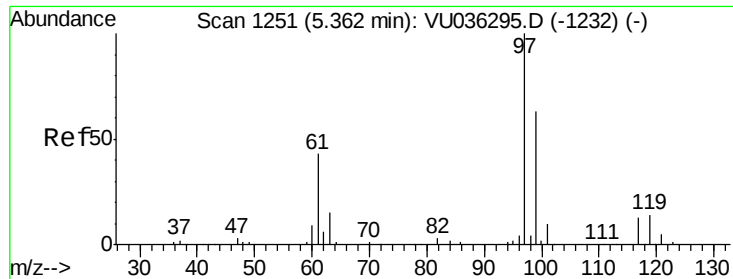
Tgt Ion: 83 Resp: 201547
Ion Ratio Lower Upper
83 100
85 66.1 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.391 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 62 Resp: 121383
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9

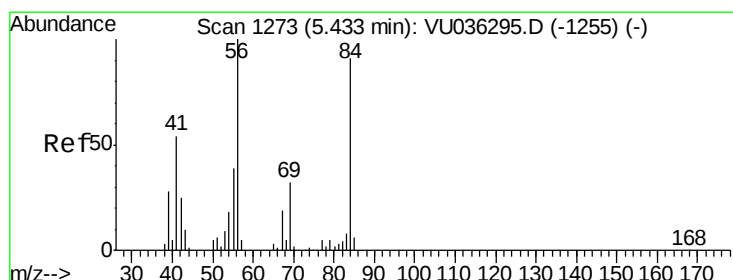
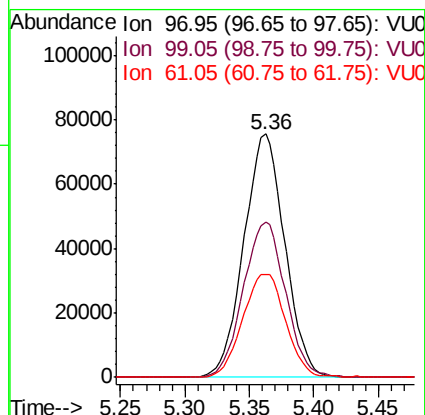
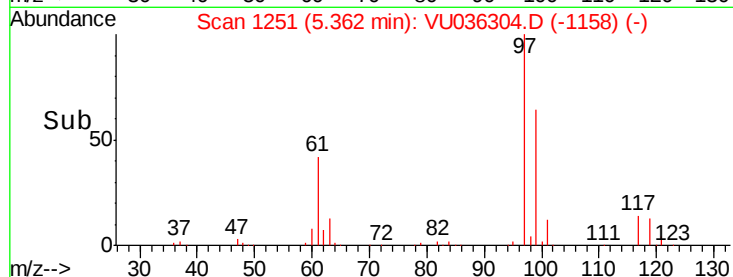
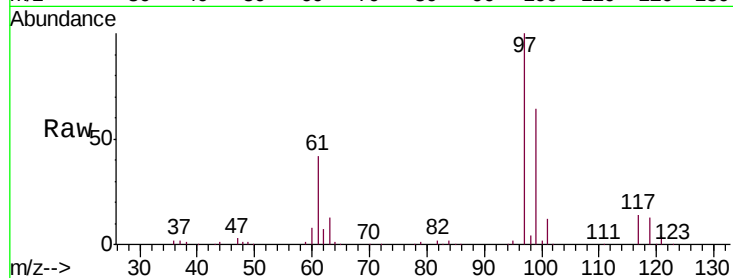




#29
1,1,1-Trichloroethane
Concen: 5.080 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

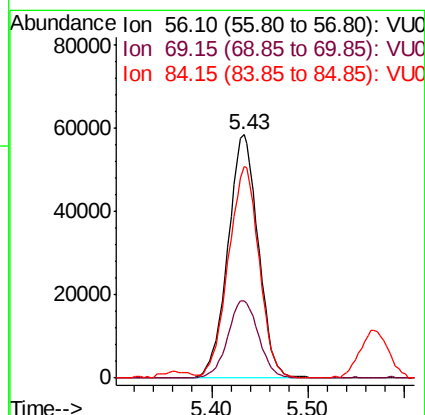
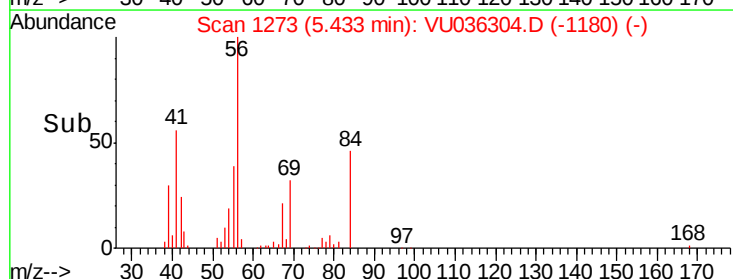
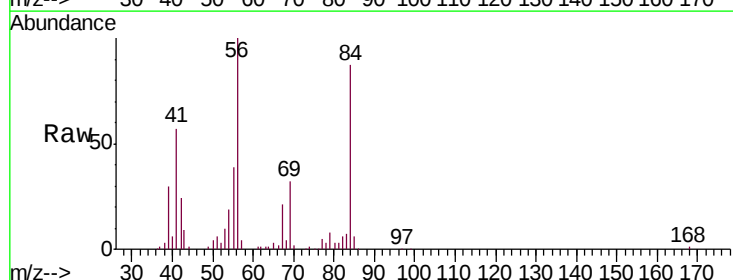
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

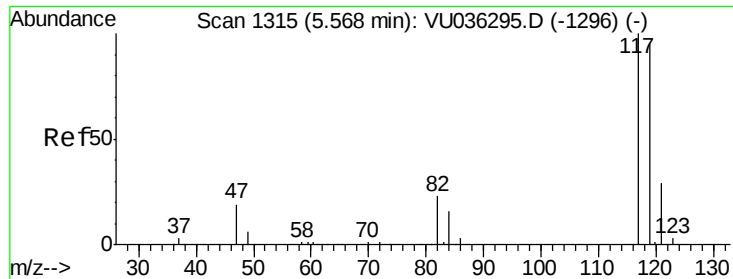
Tgt Ion: 97 Resp: 167429
Ion Ratio Lower Upper
97 100
99 65.9 51.4 77.2
61 44.4 35.0 52.6



#30
Cyclohexane
Concen: 4.535 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 56 Resp: 127144
Ion Ratio Lower Upper
56 100
69 32.2 25.6 38.4
84 88.3 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.084 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

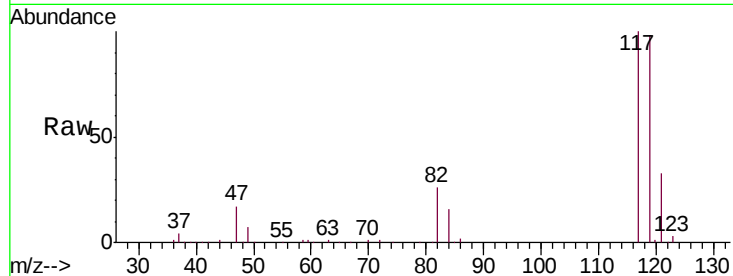
VSTD00523

Tgt Ion:117 Resp: 152763

Ion Ratio Lower Upper

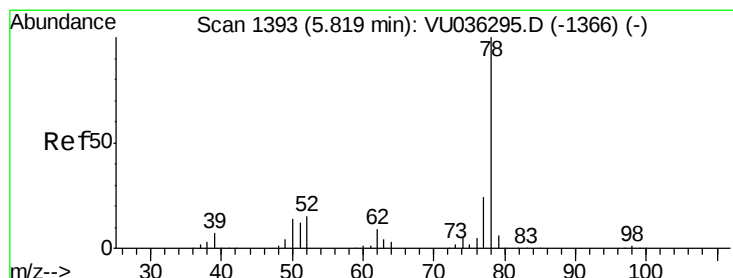
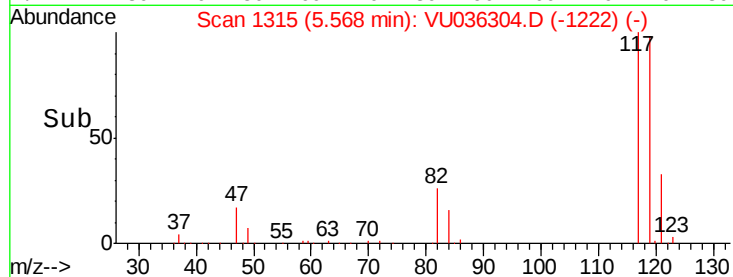
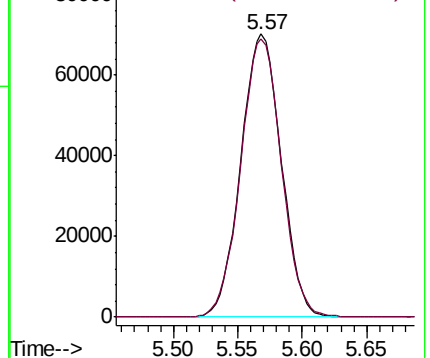
117 100

119 99.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.113 ug/L

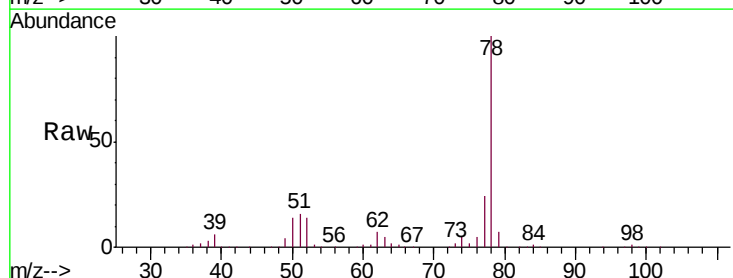
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

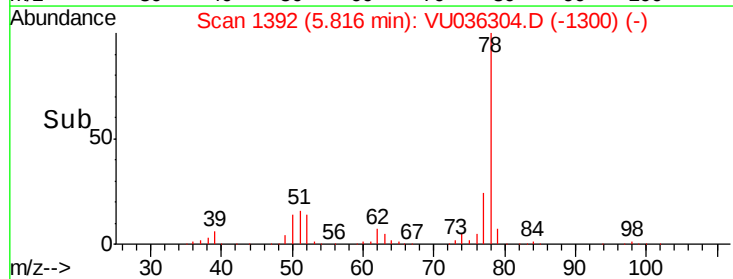
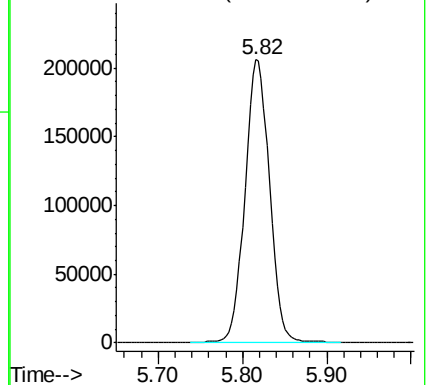
Lab File: VU036304.D

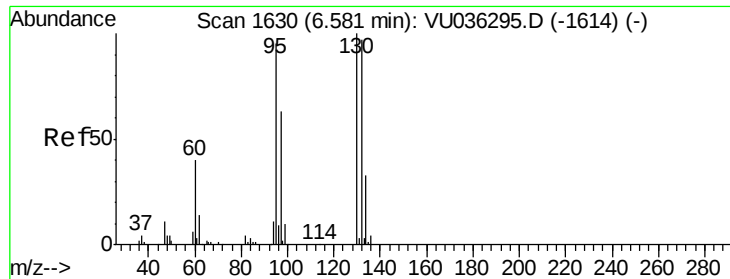
Acq: 20 Dec 2019 00:06

Tgt Ion: 78 Resp: 420693



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.926 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tgt Ion: 95 Resp: 104473

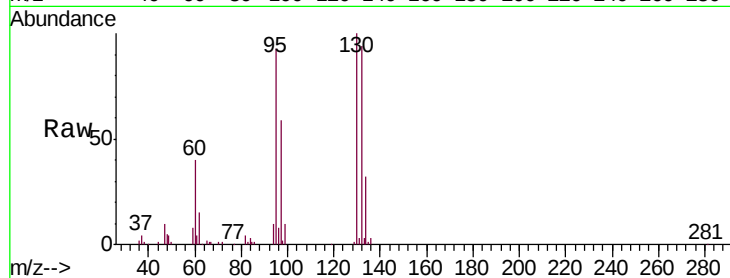
Ion Ratio Lower Upper

95 100

97 64.0 43.6 81.0

132 101.6 69.6 129.2

130 107.9 70.3 130.7

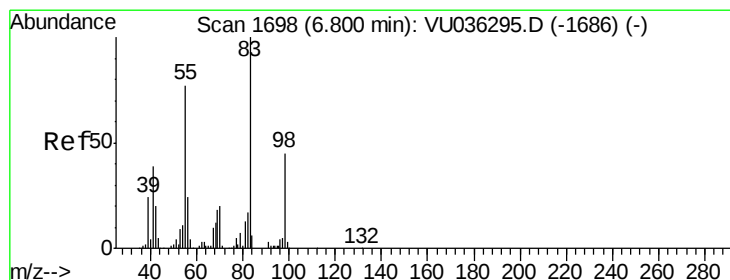
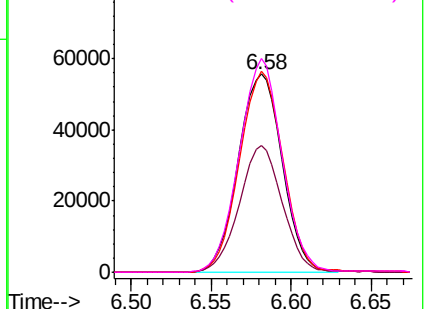
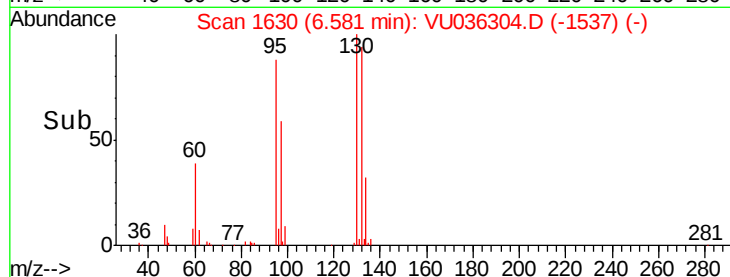


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.434 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

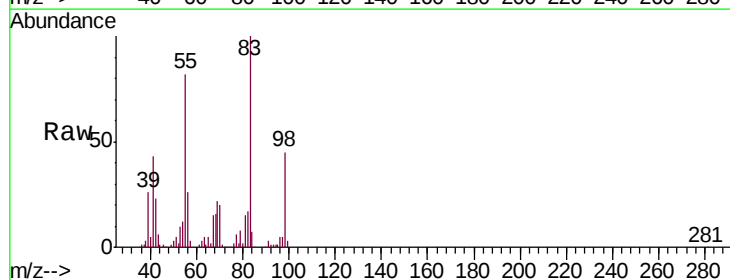
Tgt Ion: 83 Resp: 133703

Ion Ratio Lower Upper

83 100

55 83.6 62.6 94.0

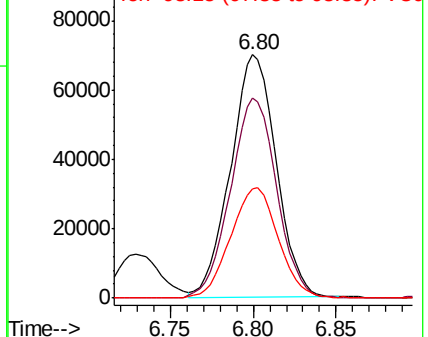
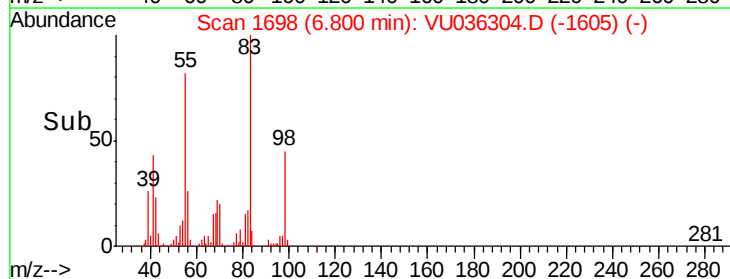
98 47.4 36.2 54.2

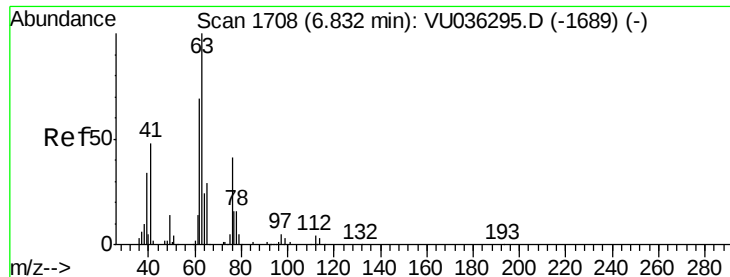


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.981 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

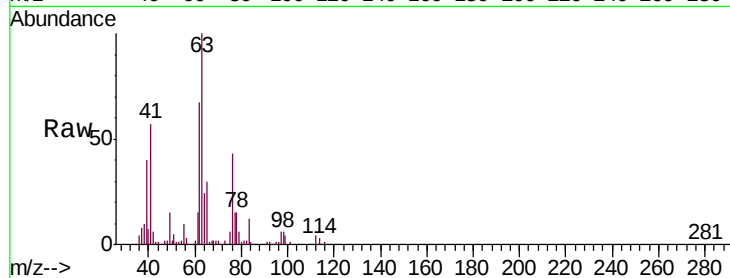
VSTD00523

Tgt Ion: 63 Resp: 104543

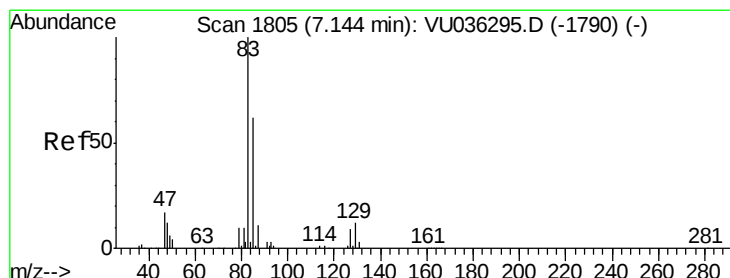
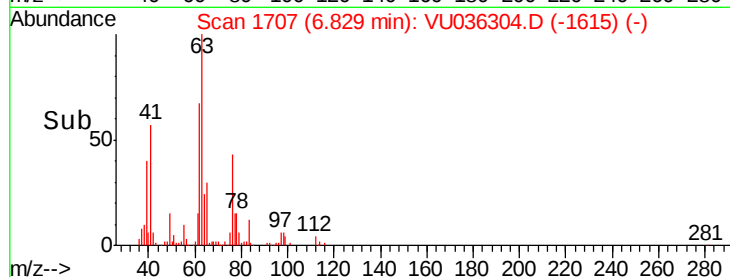
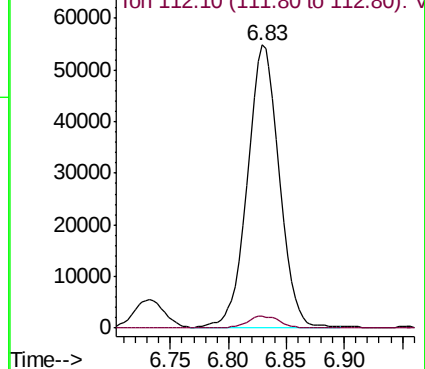
Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VU036295.D (-1689) (-)



#38

Bromodichloromethane

Concen: 5.143 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

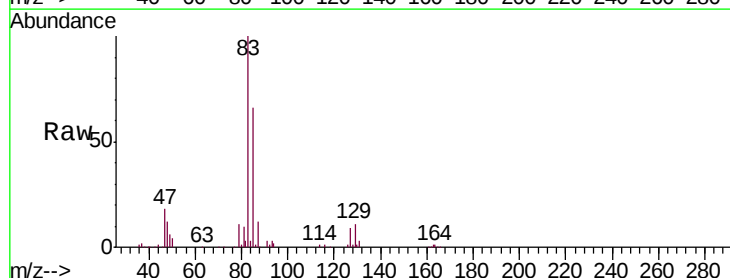
Tgt Ion: 83 Resp: 140505

Ion Ratio Lower Upper

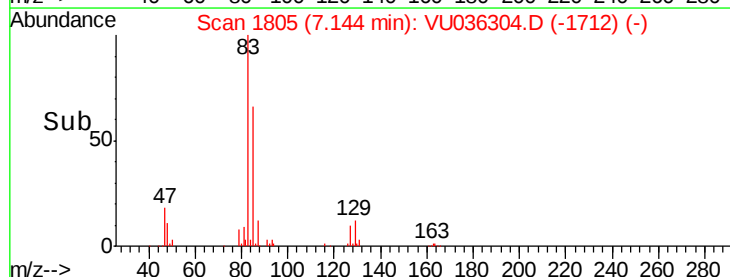
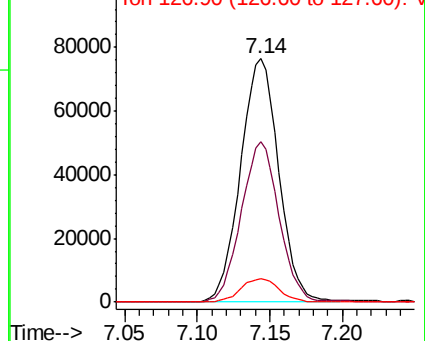
83 100

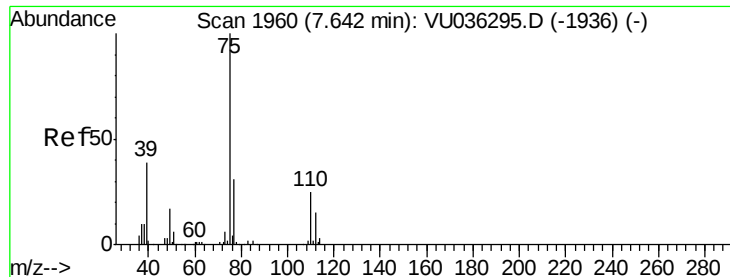
85 65.6 45.6 84.6

127 9.5 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU036295.D (-1790) (-)



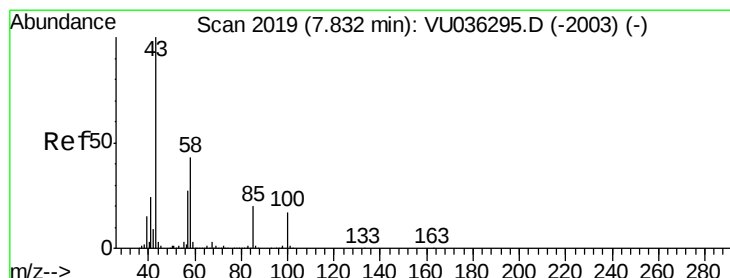
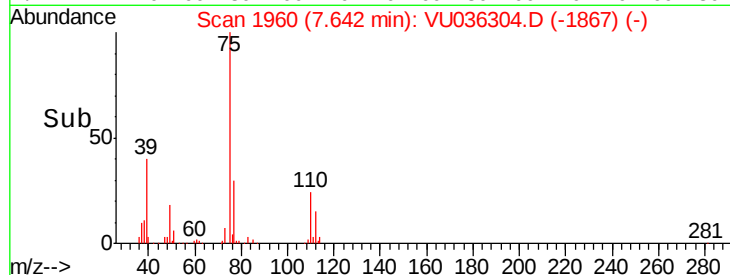
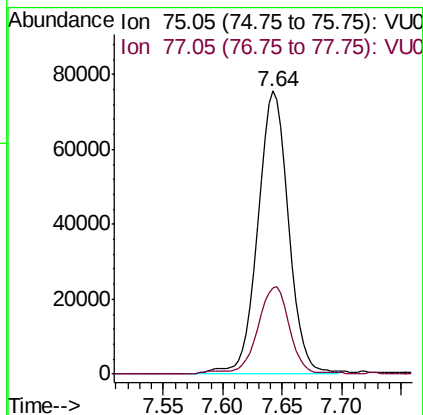
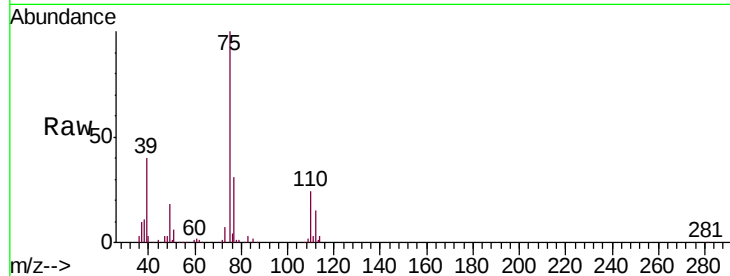


#39

cis-1,3-Dichloropropene
Concen: 4.729 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

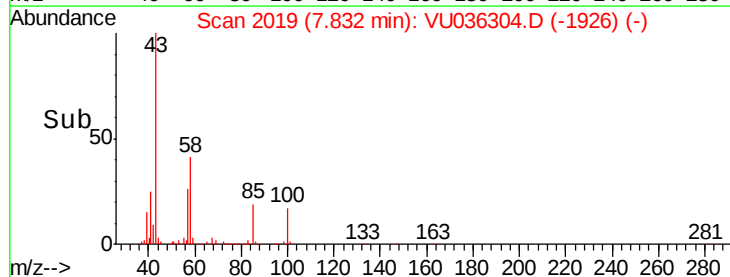
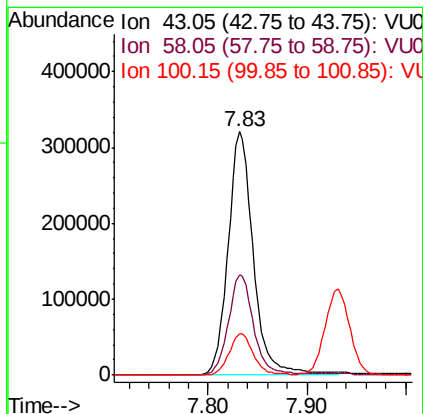
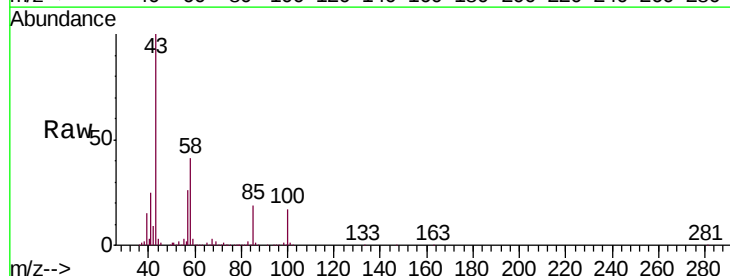
Tgt Ion: 75 Resp: 135235
Ion Ratio Lower Upper
75 100
77 30.7 22.7 42.1

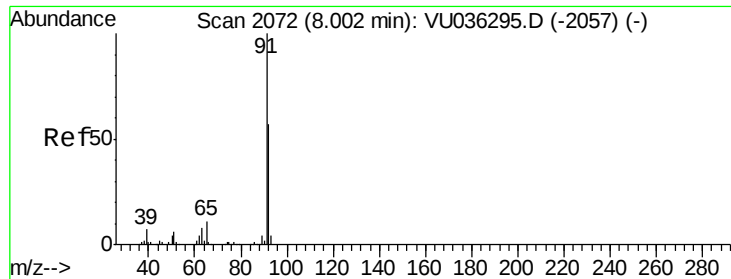


#40

4-Methyl-2-pentanone
Concen: 52.376 ug/L
RT: 7.83 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 43 Resp: 575018
Ion Ratio Lower Upper
43 100
58 41.2 33.3 49.9
100 16.4 13.7 20.5





#42

Toluene

Concen: 5.261 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

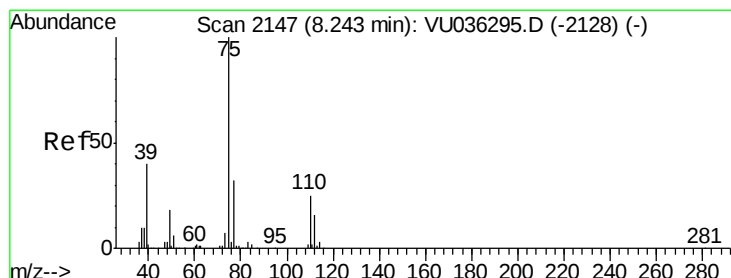
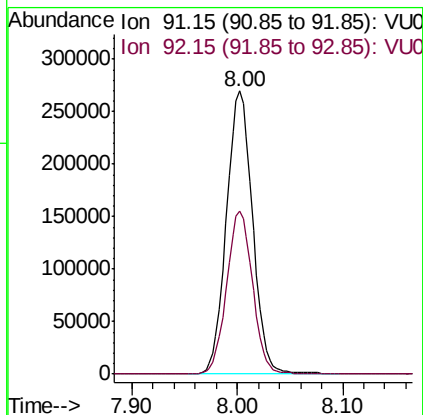
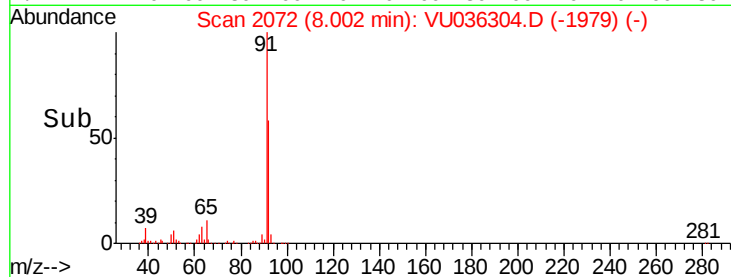
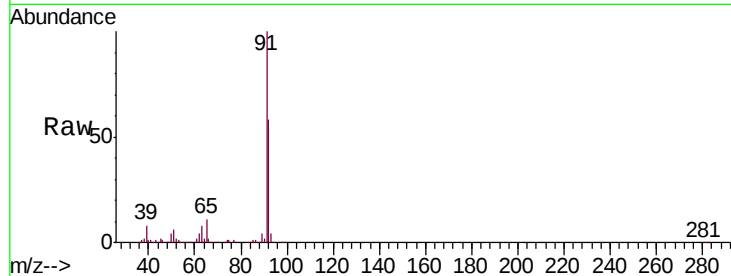
VSTD00523

Tgt Ion: 91 Resp: 463891

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.030 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036304.D

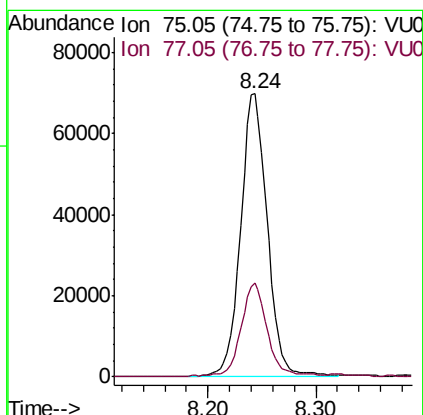
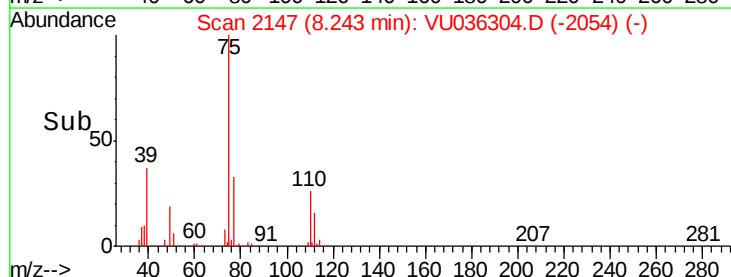
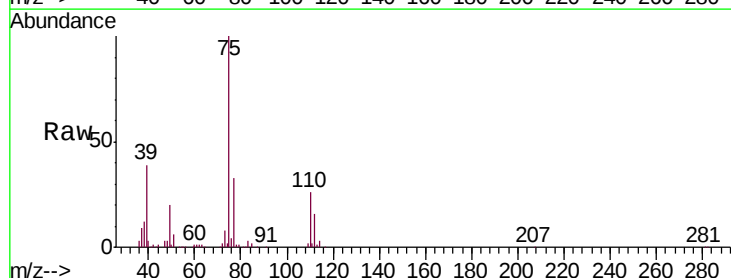
Acq: 20 Dec 2019 00:06

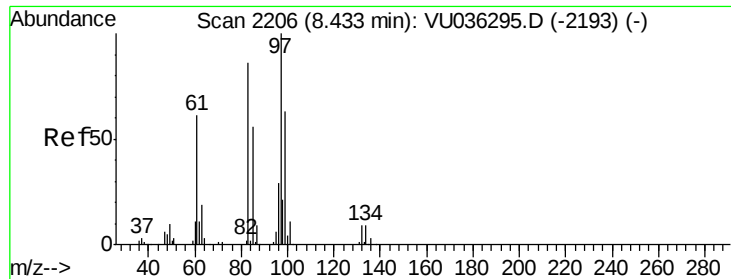
Tgt Ion: 75 Resp: 120822

Ion Ratio Lower Upper

75 100

77 33.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.276 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tgt Ion: 97 Resp: 82971

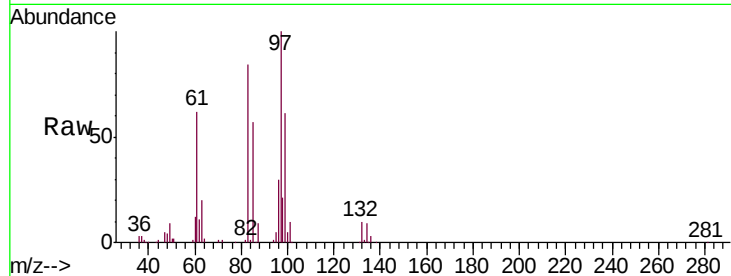
Ion Ratio Lower Upper

97 100

99 60.8 46.1 85.5

83 84.3 65.9 122.3

85 57.1 43.1 80.1

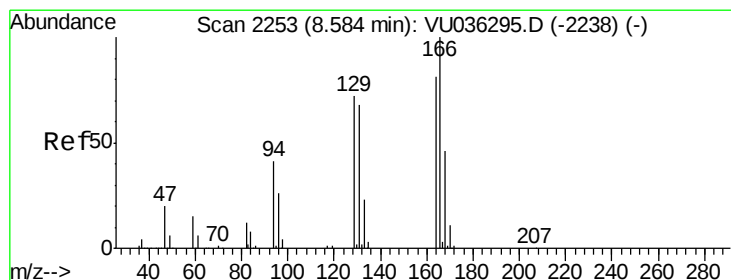
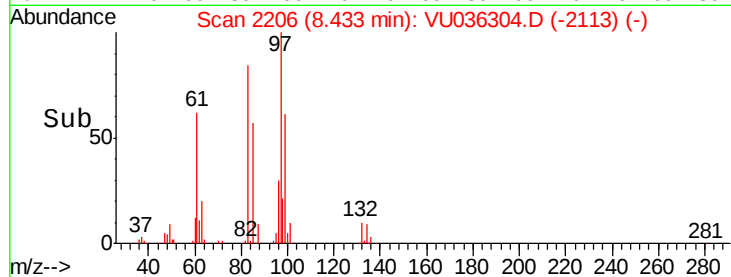
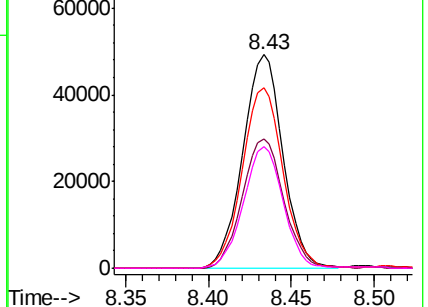


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.873 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Tgt Ion: 164 Resp: 93344

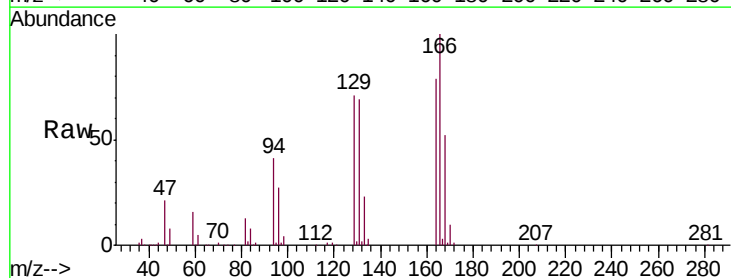
Ion Ratio Lower Upper

164 100

129 90.1 64.2 119.2

131 87.7 66.6 123.8

166 126.7 93.1 172.9

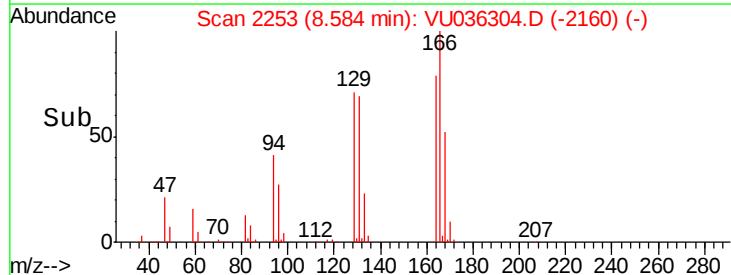
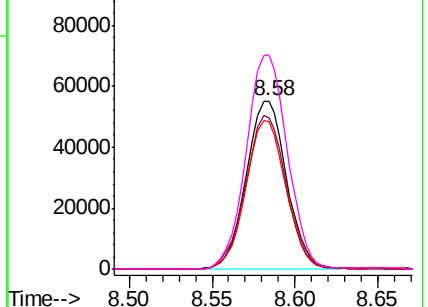


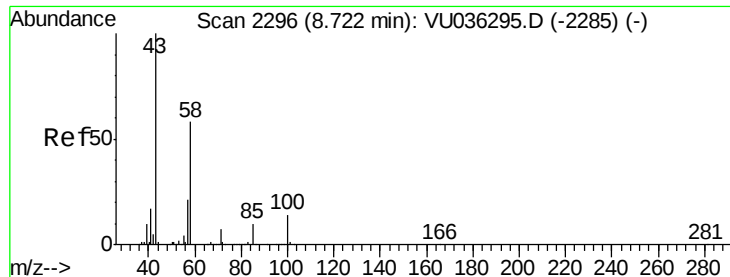
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

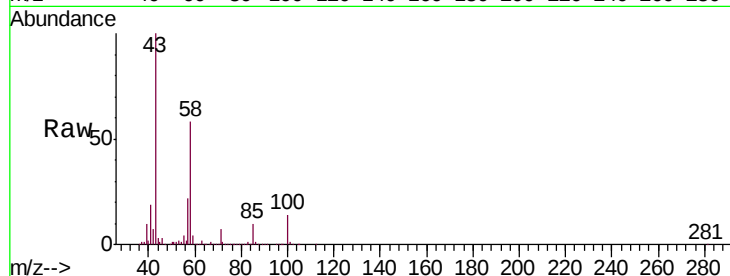




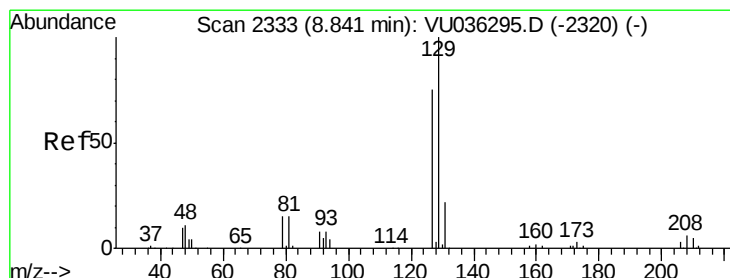
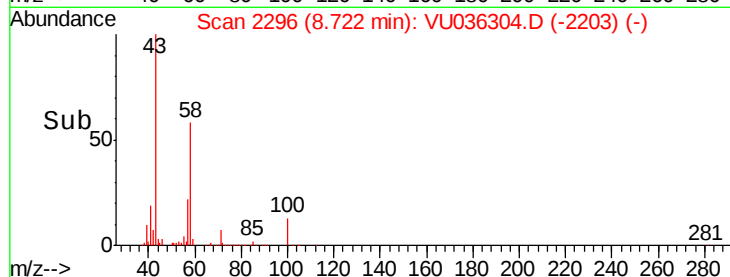
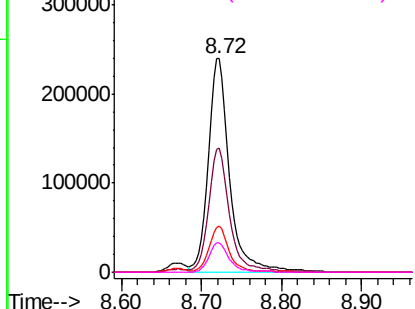
#48
2-Hexanone
Concen: 54.169 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion: 43 Resp: 443825
Ion Ratio Lower Upper
43 100
58 55.8 46.2 69.2
57 19.8 16.2 24.4
100 13.0 10.2 15.4

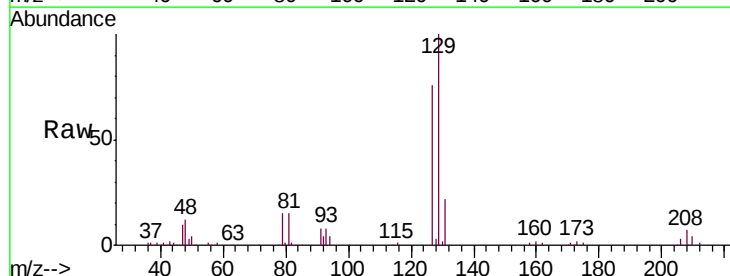


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

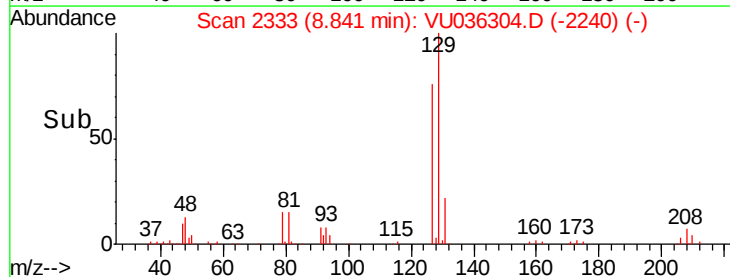
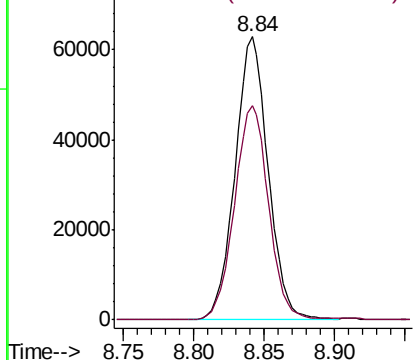


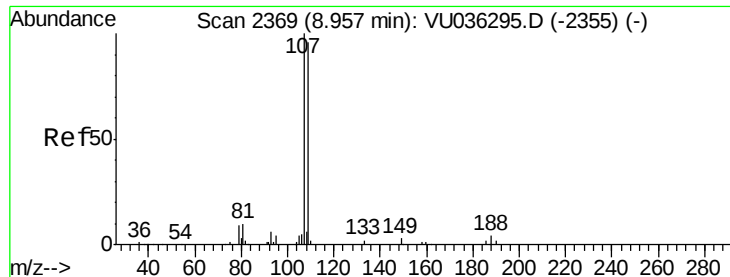
#49
Dibromochloromethane
Concen: 5.331 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 129 Resp: 103633
Ion Ratio Lower Upper
129 100
127 75.6 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

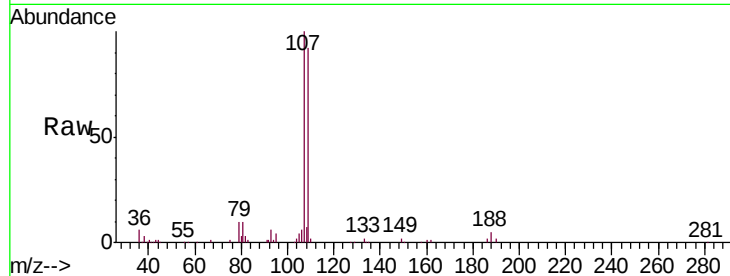




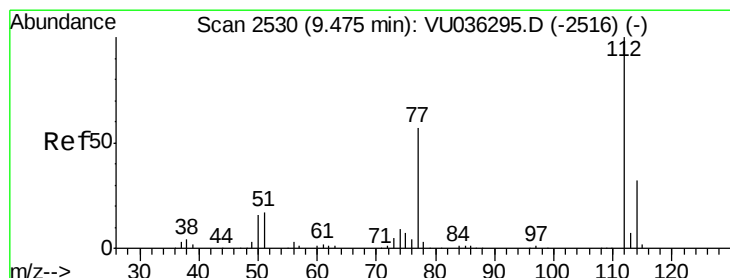
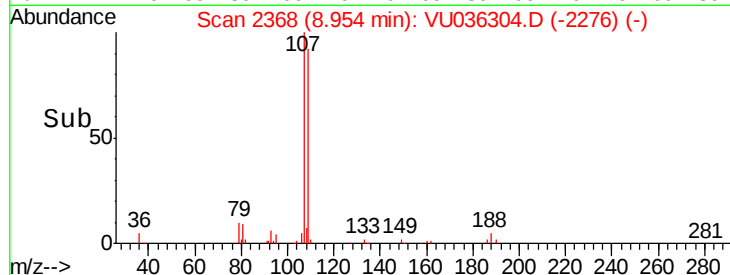
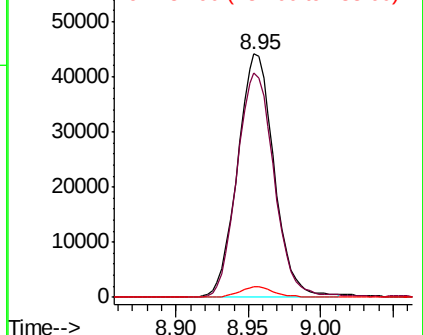
#50
 1,2-Dibromoethane
 Concen: 5.164 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion:107 Resp: 77460
 Ion Ratio Lower Upper
 107 100
 109 92.2 67.5 125.4
 188 4.6 3.1 4.7

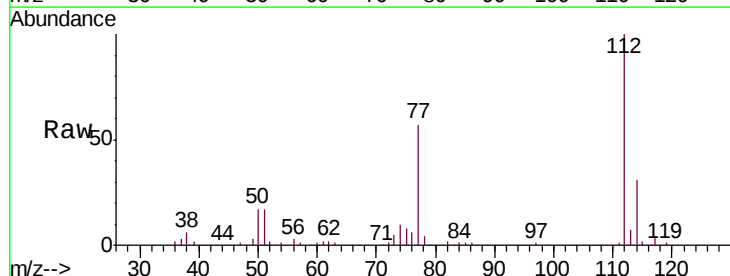


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

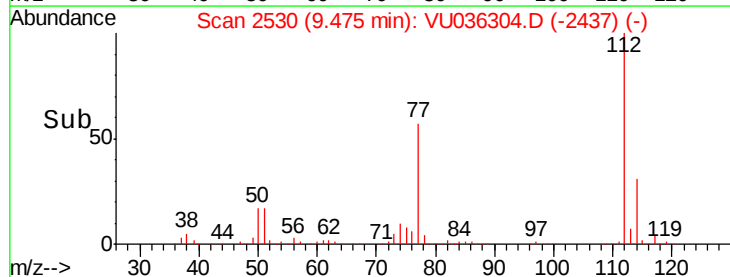
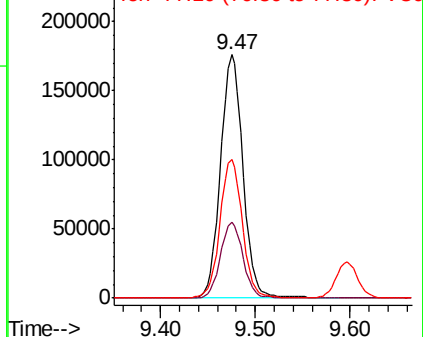


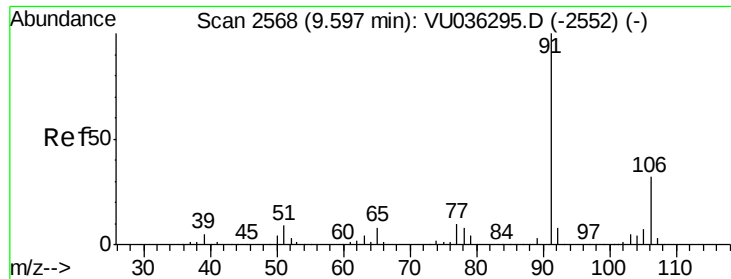
#51
 Chlorobenzene
 Concen: 4.985 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Tgt Ion:112 Resp: 290309
 Ion Ratio Lower Upper
 112 100
 114 31.2 23.2 43.2
 77 57.0 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

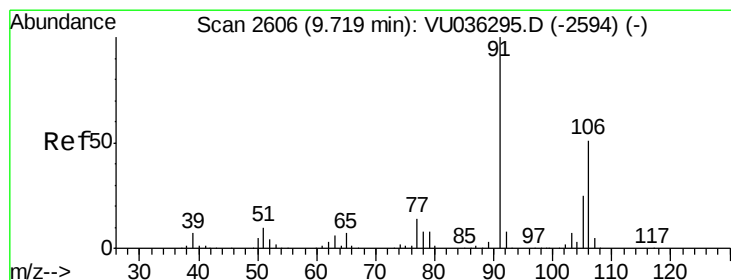
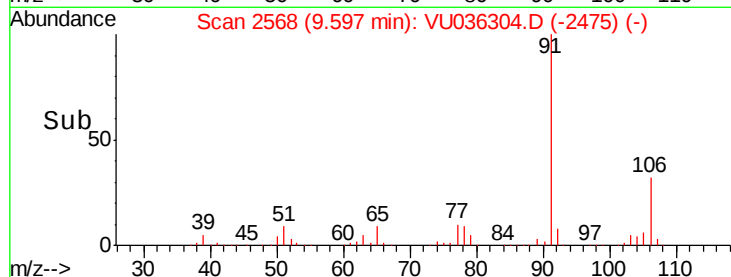
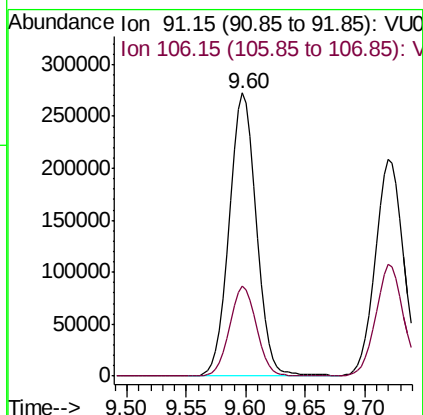
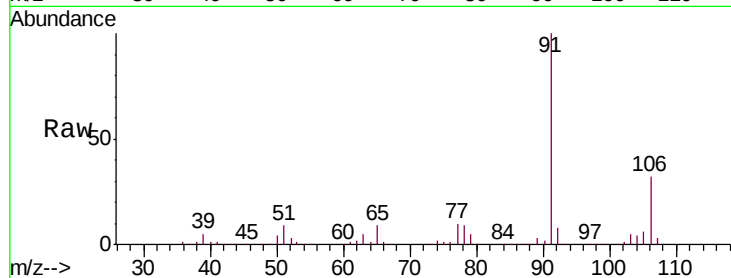




#52
Ethylbenzene
Concen: 4.883 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

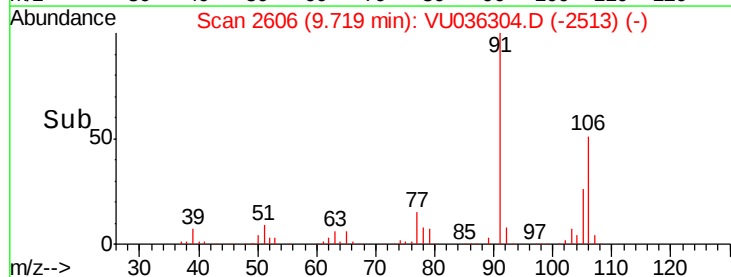
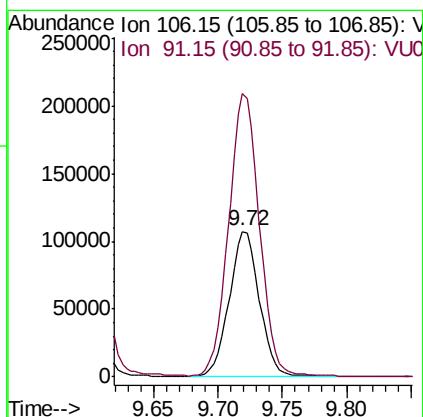
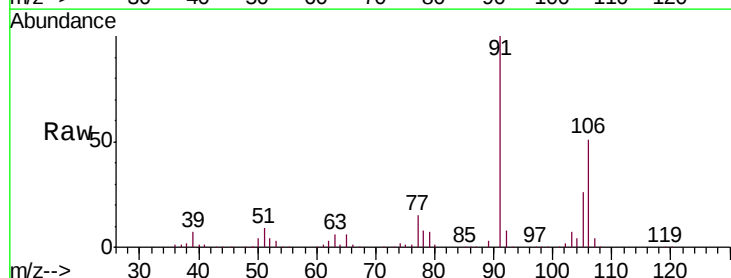
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

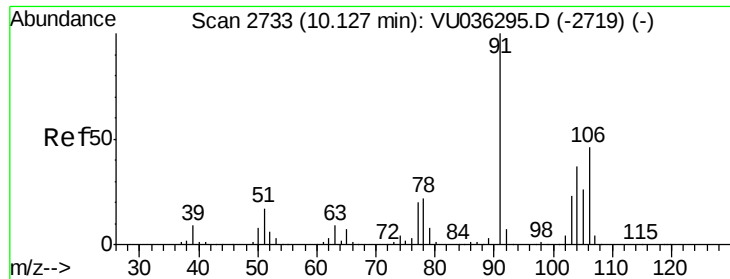
Tgt Ion: 91 Resp: 432531
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#53
m,p-Xylene
Concen: 5.093 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion: 106 Resp: 173819
Ion Ratio Lower Upper
106 100
91 194.8 138.7 257.7

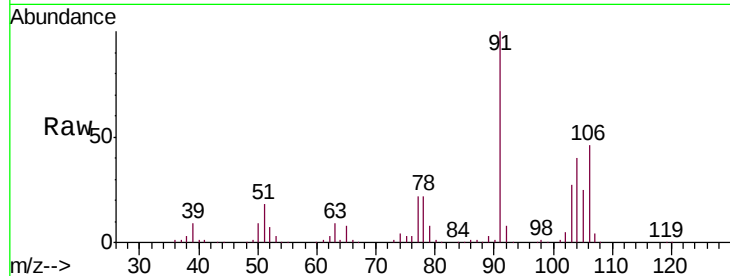




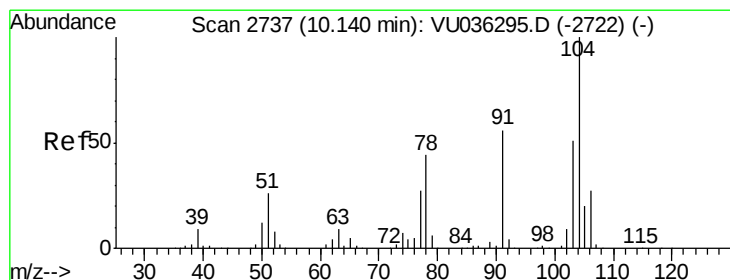
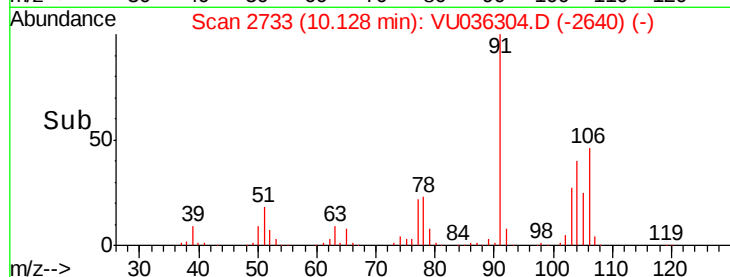
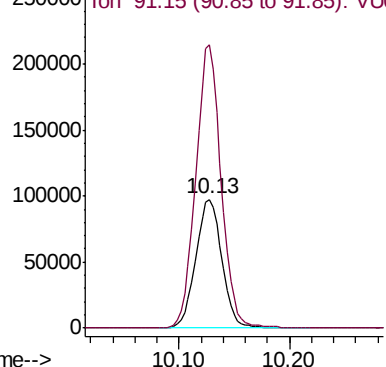
#54
o-Xylene
Concen: 4.867 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion:106 Resp: 160202
Ion Ratio Lower Upper
106 100
91 219.5 152.8 283.8

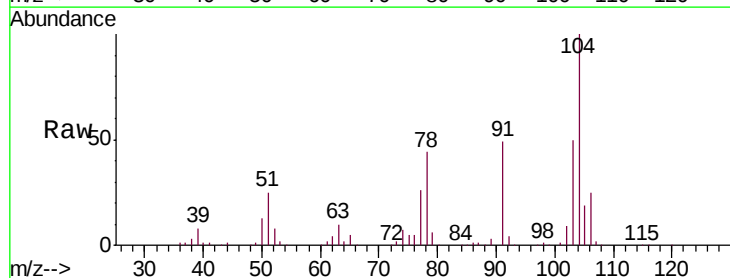


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

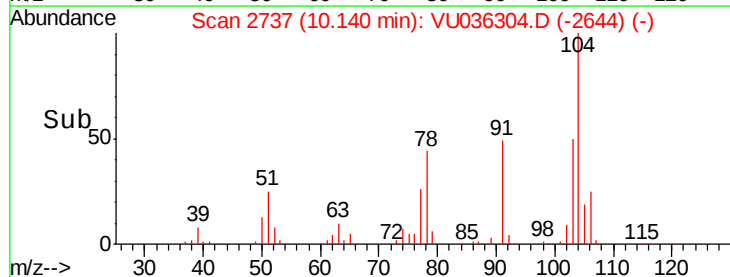
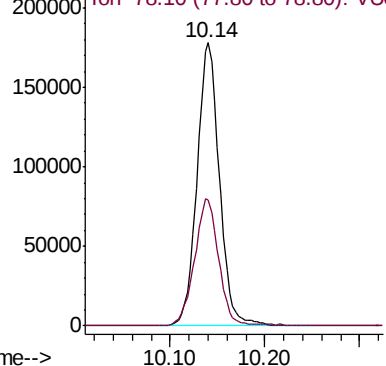


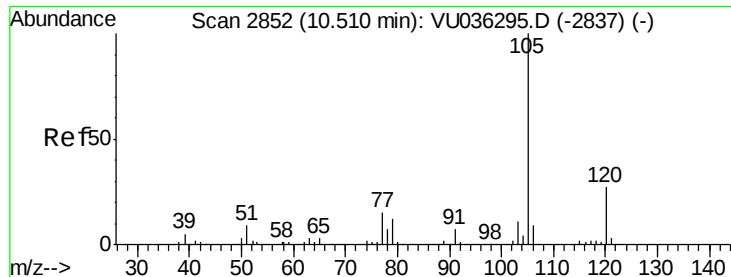
#55
Styrene
Concen: 5.039 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036304.D
Acq: 20 Dec 2019 00:06

Tgt Ion:104 Resp: 293505
Ion Ratio Lower Upper
104 100
78 44.4 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.037 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

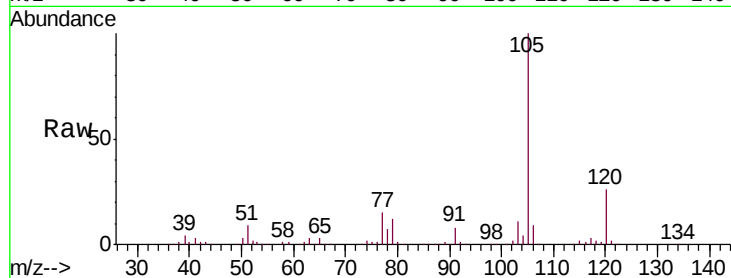
Tgt Ion:105 Resp: 425760

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

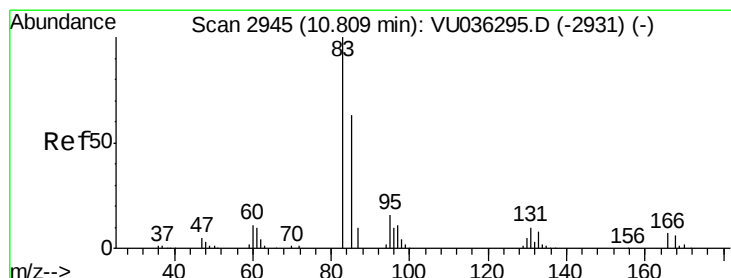
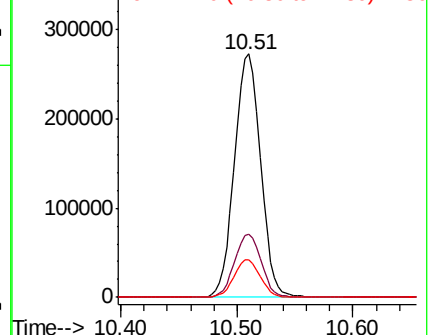
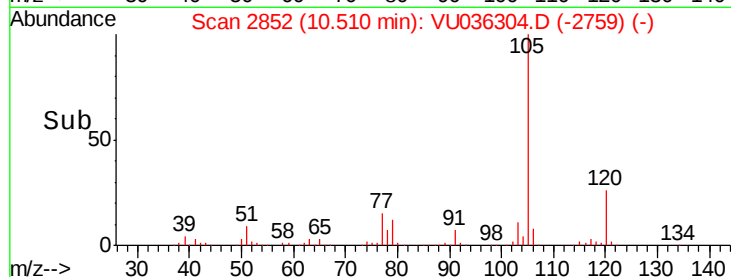
77 15.7 12.5 18.7



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: 5.288 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

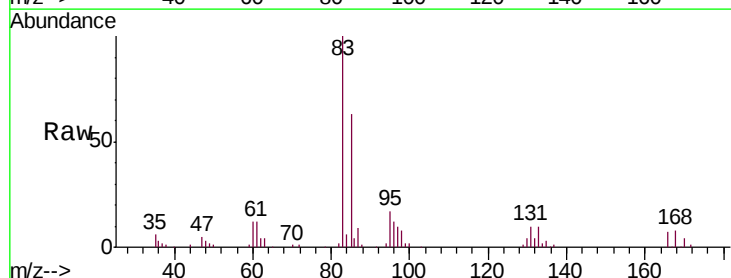
Tgt Ion: 83 Resp: 105885

Ion Ratio Lower Upper

83 100

85 62.8 45.6 84.8

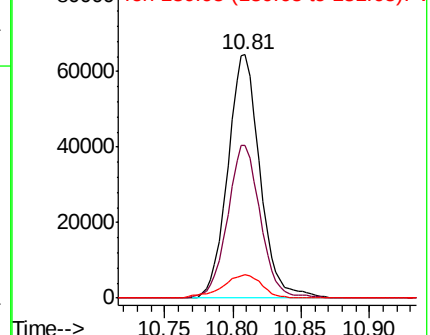
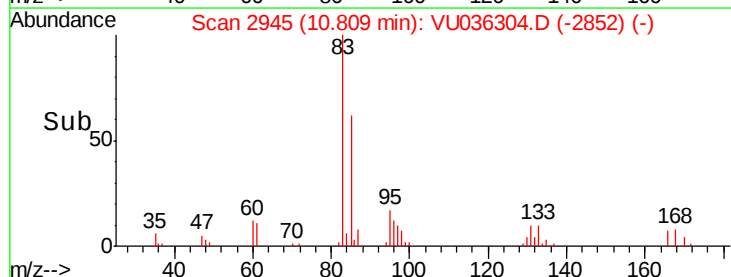
131 9.7 8.5 12.7

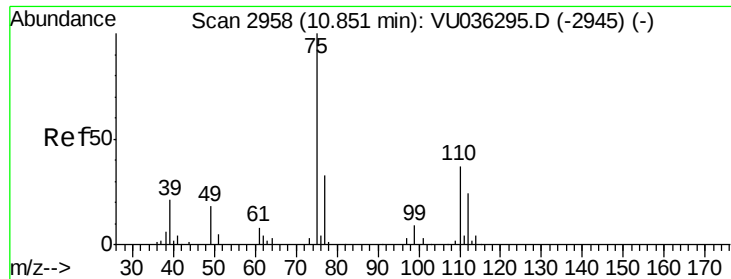


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

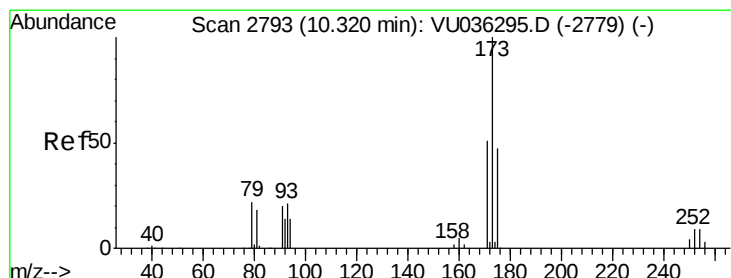
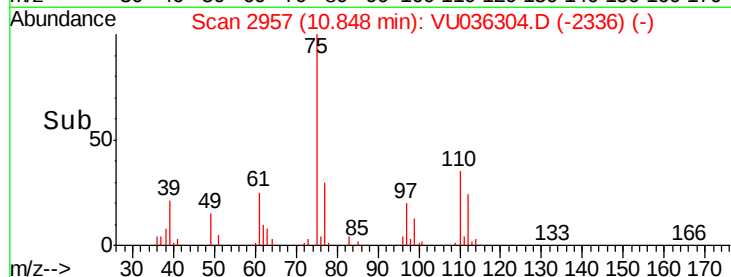
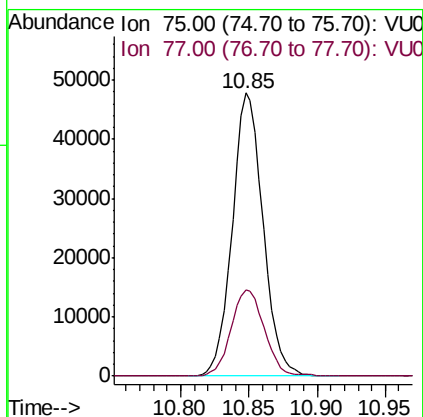
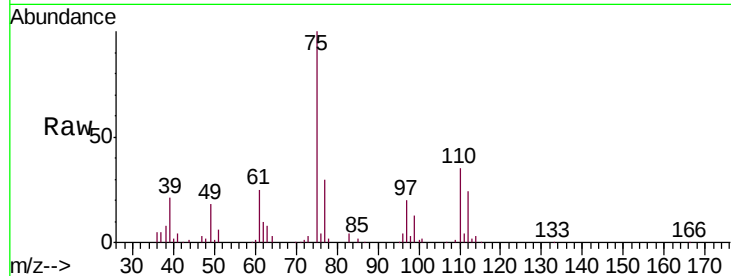




#59
 1,2,3-Trichloropropane
 Concen: 5.366 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

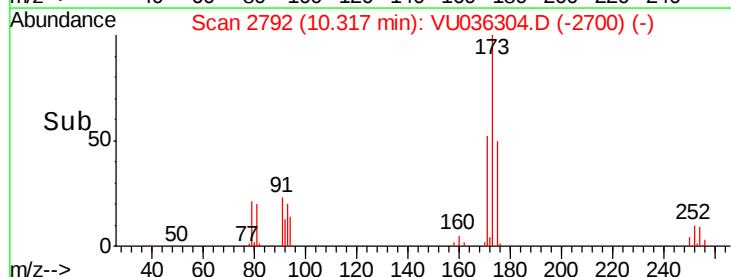
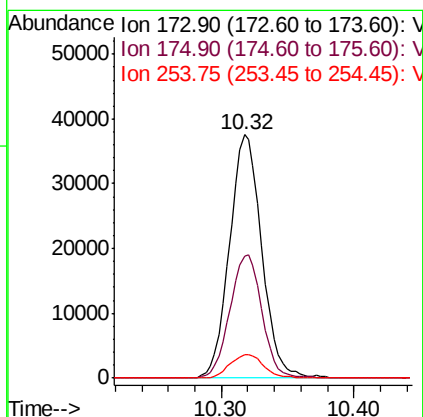
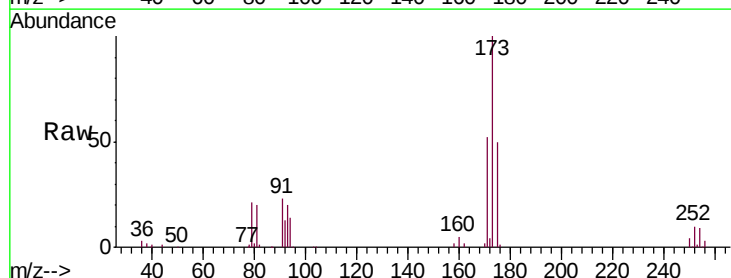
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

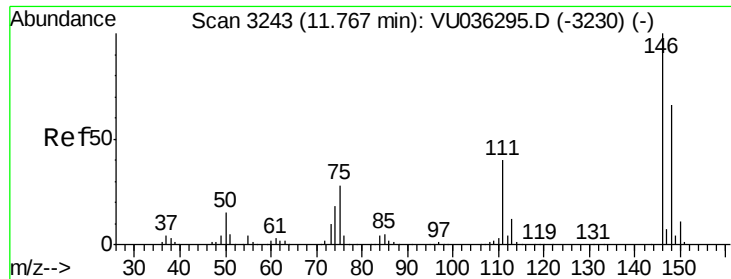
Tgt Ion: 75 Resp: 74851
 Ion Ratio Lower Upper
 75 100
 77 32.9 27.2 40.8



#61
 Bromoform
 Concen: 4.965 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Tgt Ion: 173 Resp: 63386
 Ion Ratio Lower Upper
 173 100
 175 50.5 39.2 58.8
 254 10.0 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.910 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

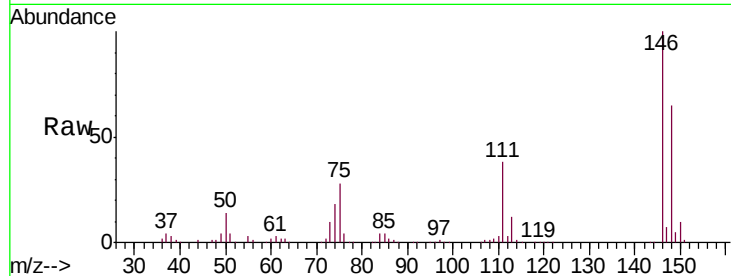
Tgt Ion:146 Resp: 243638

Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

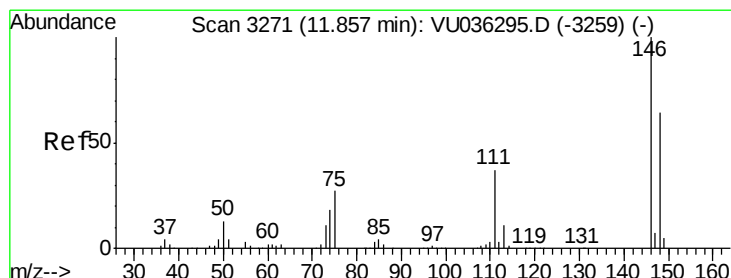
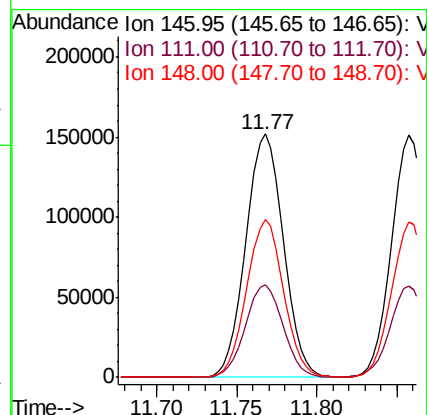
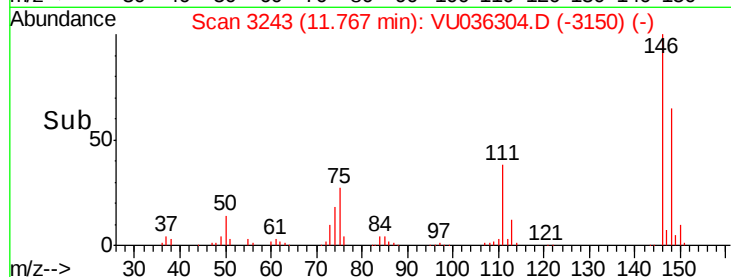
148 64.8 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 4.843 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

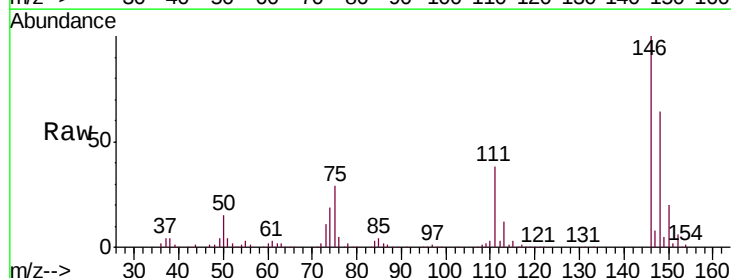
Tgt Ion:146 Resp: 238354

Ion Ratio Lower Upper

146 100

111 38.0 25.8 48.0

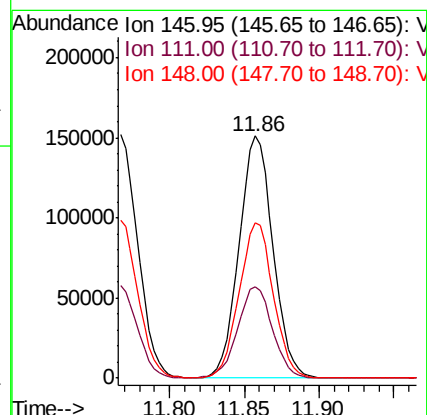
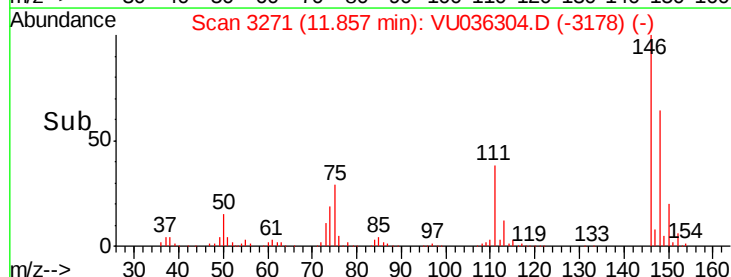
148 64.5 44.7 82.9

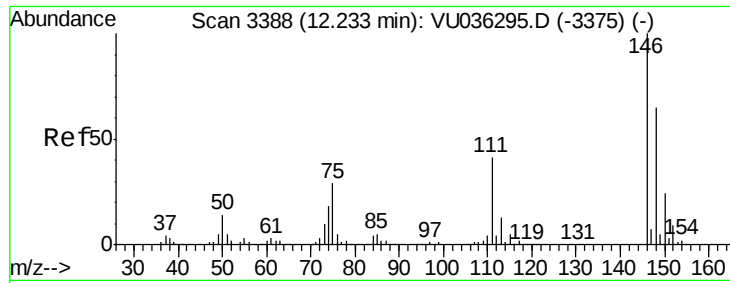


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

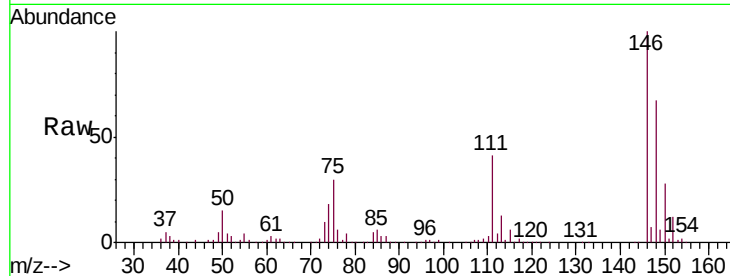




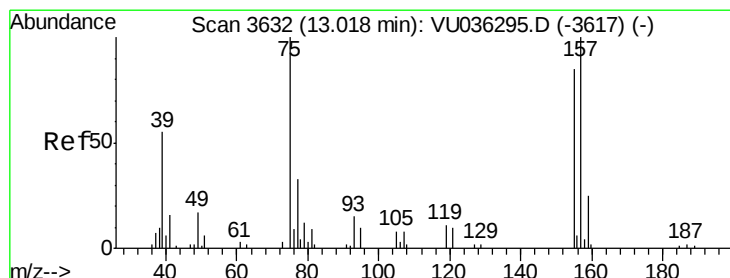
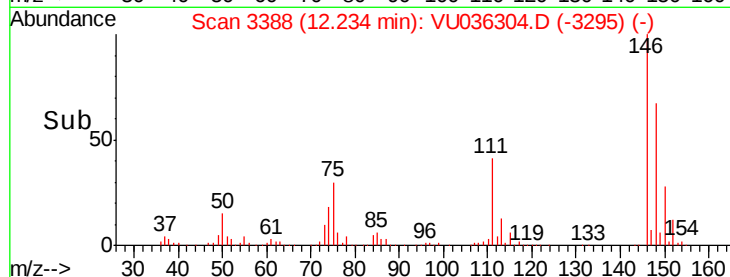
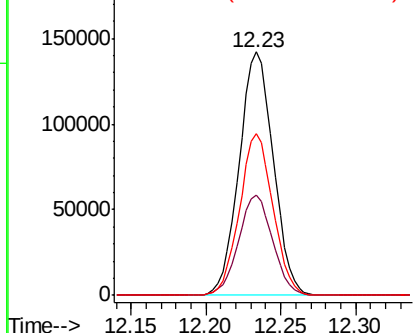
#65
 1,2-Dichlorobenzene
 Concen: 4.784 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion: 146 Resp: 226140
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.5 48.7
 148 66.6 49.2 73.8

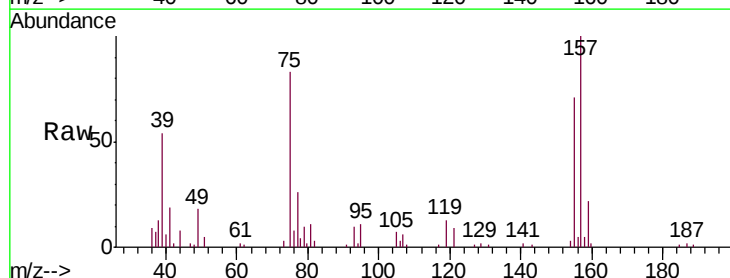


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

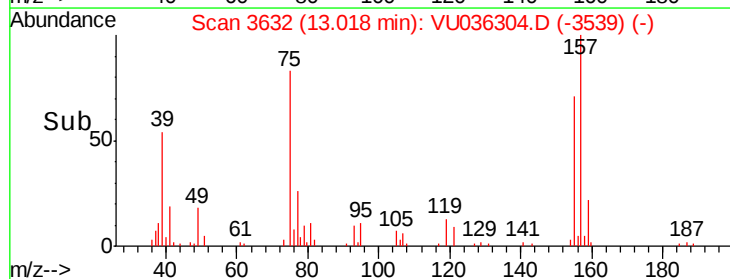
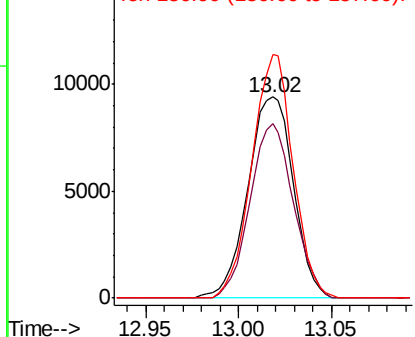


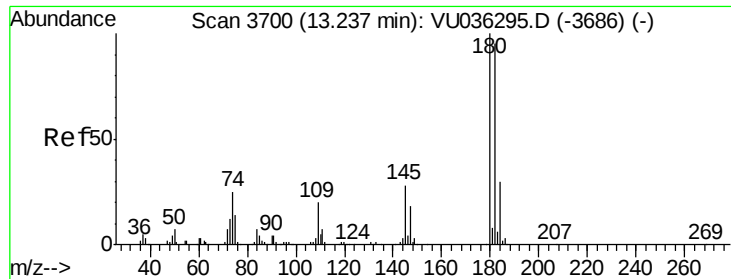
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.143 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Tgt Ion: 75 Resp: 16148
 Ion Ratio Lower Upper
 75 100
 155 86.6 61.9 92.9
 157 121.2 84.9 127.3



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

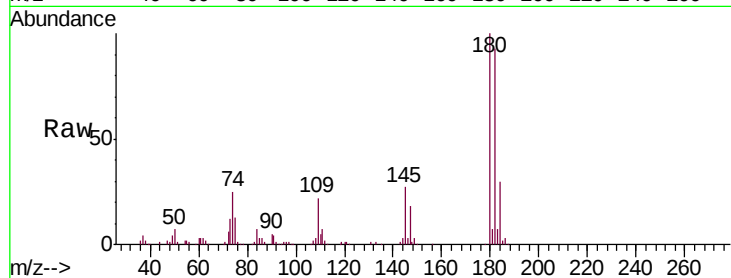




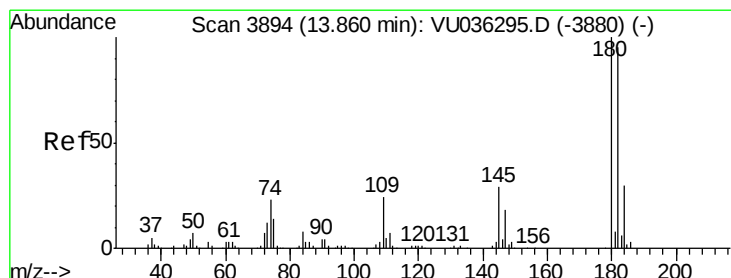
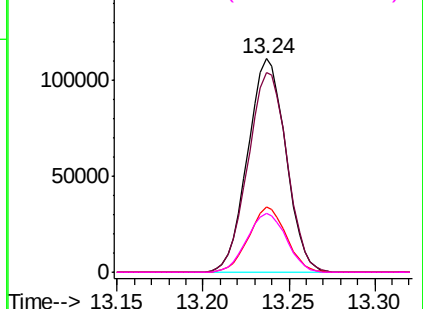
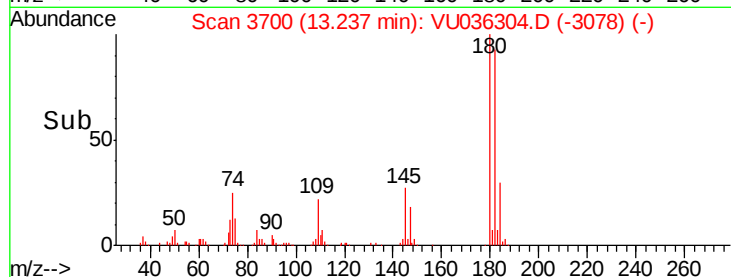
#67
 1,3,5-Trichlorobenzene
 Concen: 4.593 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion:	180	Resp:	170790
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.9	115.3
184	30.0	24.2	36.4
145	28.5	22.0	33.0

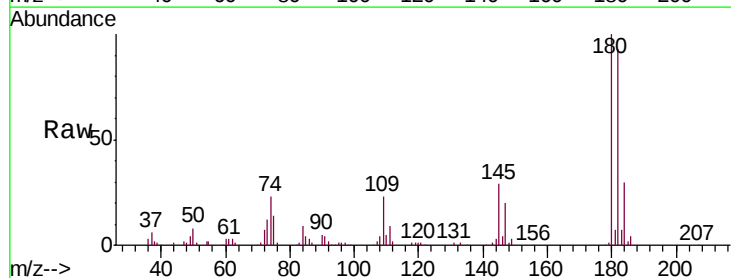


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

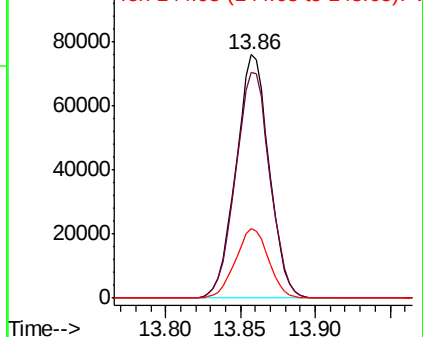
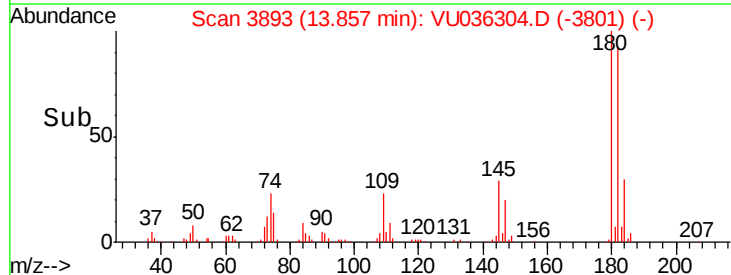


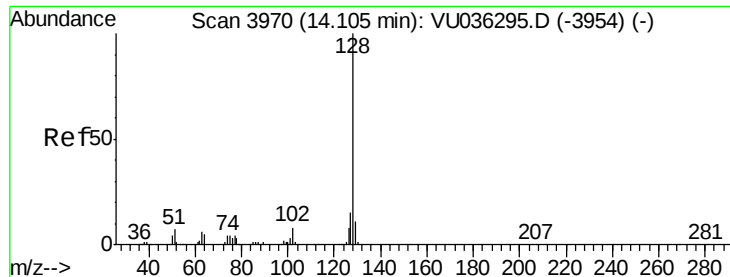
#68
 1,2,4-trichlorobenzene
 Concen: 4.803 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036304.D
 Acq: 20 Dec 2019 00:06

Tgt Ion:	180	Resp:	117318
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.3	112.9
145	28.4	22.7	34.1



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: 5.035 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

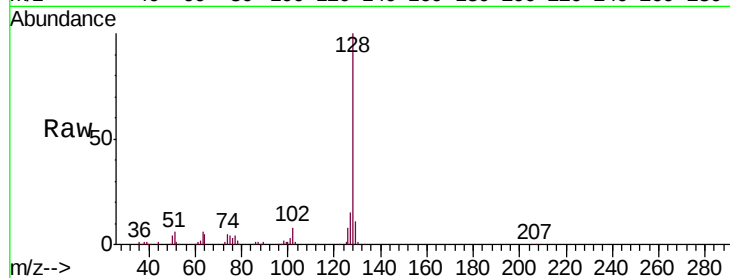
Tgt Ion:128 Resp: 156460

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

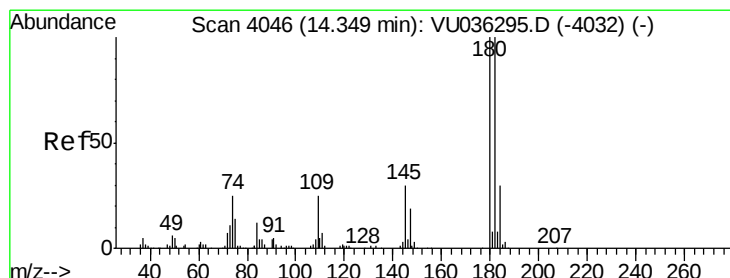
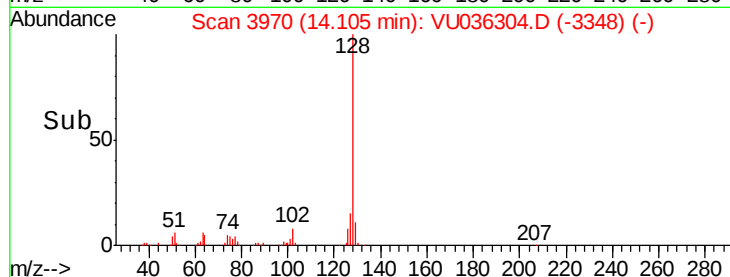
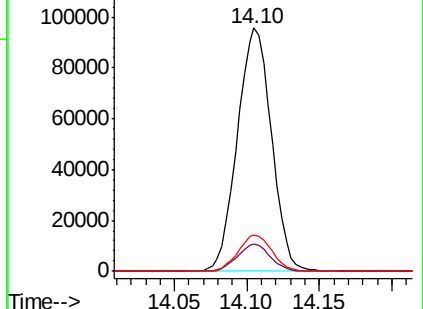
127 14.6 11.5 17.3



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: 4.940 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036304.D

Acq: 20 Dec 2019 00:06

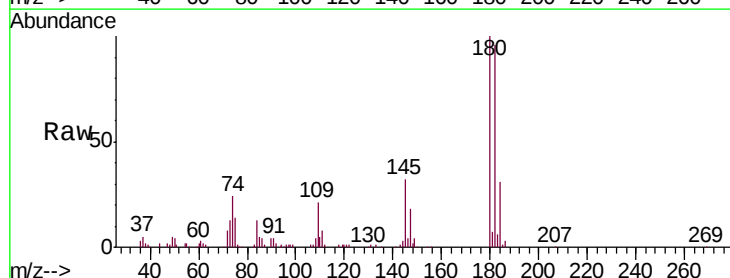
Tgt Ion:180 Resp: 116705

Ion Ratio Lower Upper

180 100

182 97.3 77.0 115.6

145 31.1 24.9 37.3



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

