

Data File : VU036146.D
Acq On : 11 Dec 2019 21:05
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Dec 12 06:17:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	330302	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	337209	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	164138	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	184342	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.93	69	165255	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.59	63	234188	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.69	46	316721	63.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.26%
24) Chloroform-d	5.11	84	254036	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.75	65	126279	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	499979	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	6.73	67	151252	5.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.60%
41) Toluene-d8	7.93	98	477964	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.40%
43) trans-1,3-Dichloropropene-	8.21	79	62072	5.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.80%
46) 2-Hexanone-d5	8.67	63	270027	69.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.12%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	140171	5.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	164779	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	152844	4.707 ug/L	99
3) Chloromethane	1.54	50	189304	5.971 ug/L	100
5) Vinyl chloride	1.62	62	202876	6.134 ug/L	98
6) Bromomethane	1.87	94	120391	4.530 ug/L	98
8) Chloroethane	1.95	64	127556	5.069 ug/L	96
9) Trichlorofluoromethane	2.15	101	255983	4.445 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	125167	3.917 ug/L	97
12) 1,1-Dichloroethene	2.60	96	113807	3.960 ug/L #	80
13) Acetone	2.68	43	218927	34.378 ug/L	100
14) Carbon disulfide	2.82	76	352818	4.286 ug/L	98
15) Methyl Acetate	3.00	43	54074	5.751 ug/L	97
16) Methylene chloride	3.08	84	142274	4.263 ug/L	95
17) Methyl tert-butyl Ether	3.42	73	255381	5.162 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	117608	4.795 ug/L	97
19) 1,1-Dichloroethane	3.92	63	227328	5.164 ug/L	99
21) 2-Butanone	4.77	43	339345	53.239 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	128288	4.983 ug/L	95

Data File : VU036146.D
Acq On : 11 Dec 2019 21:05
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

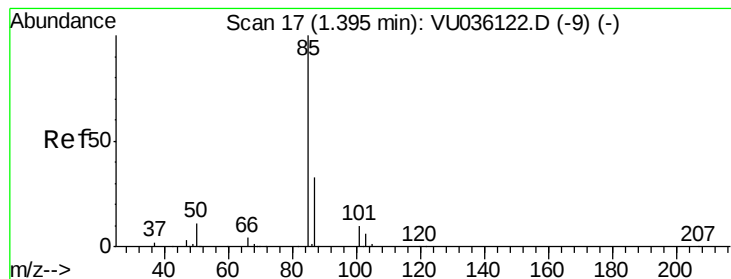
Quant Time: Dec 12 06:17:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	65625	4.931	ug/L	92
25) Chloroform	5.14	83	242046	4.934	ug/L	95
27) 1,2-Dichloroethane	5.84	62	147687	5.095	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	200748	5.282	ug/L	99
30) Cyclohexane	5.43	56	165041	5.531	ug/L	96
31) Carbon tetrachloride	5.56	117	178409	5.191	ug/L	100
33) Benzene	5.82	78	521280	5.656	ug/L	100
34) Trichloroethene	6.58	95	128032	5.232	ug/L	95
35) Methylcyclohexane	6.80	83	172095	5.242	ug/L	97
37) 1,2-Dichloropropane	6.83	63	135181	5.847	ug/L	100
38) Bromodichloromethane	7.14	83	170534	5.488	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	175611	5.589	ug/L	96
40) 4-Methyl-2-pentanone	7.83	43	778023	64.432	ug/L	99
42) Toluene	8.00	91	568034	5.747	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	155639	5.730	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	103769	5.701	ug/L	98
47) Tetrachloroethene	8.58	164	110323	4.742	ug/L	99
48) 2-Hexanone	8.73	43	595927	68.794	ug/L	99
49) Dibromochloromethane	8.84	129	124720	5.162	ug/L	99
50) 1,2-Dibromoethane	8.96	107	98063	5.572	ug/L	95
51) Chlorobenzene	9.48	112	351217	5.099	ug/L	97
52) Ethylbenzene	9.60	91	524304	5.063	ug/L	99
53) m,p-Xylene	9.72	106	208359	5.053	ug/L	99
54) o-Xylene	10.13	106	200301	5.173	ug/L	95
55) Styrene	10.14	104	349682	5.267	ug/L	99
56) Isopropylbenzene	10.51	105	511607	5.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	132191	5.494	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	95941	5.806	ug/L	98
61) Bromoform	10.32	173	76009	4.653	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	263613	4.910	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	258710	4.891	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	261730	4.934	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	18021	5.407	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	167801	4.613	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	85702	4.437	ug/L	97
69) Naphthalene	14.11	128	78752	4.236	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	82907	4.476	ug/L	99

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

Quant Time: Dec 12 06:17:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.707 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

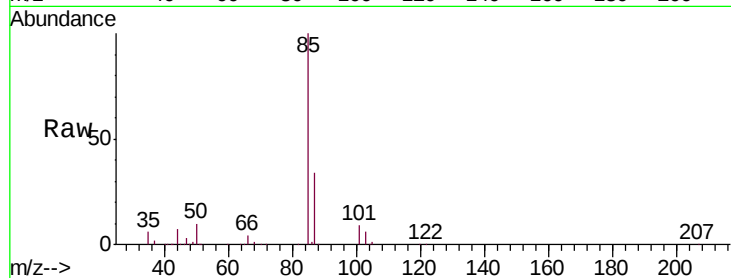
VSTD00509

Tgt Ion: 85 Resp: 152844

Ion Ratio Lower Upper

85 100

87 33.1 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036122.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036122.D (-9) (-)

1.39

150000

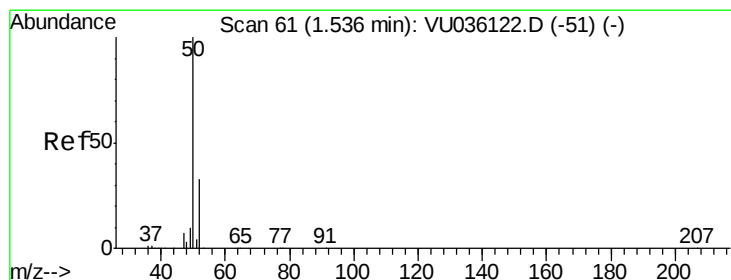
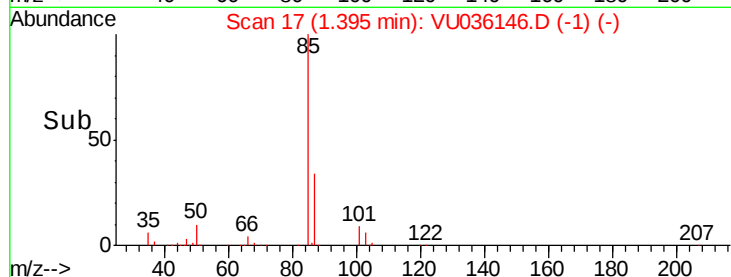
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 5.971 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036146.D

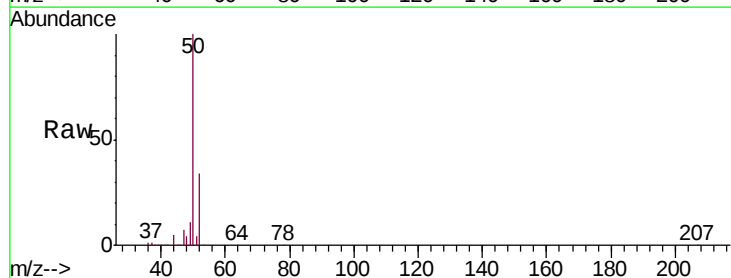
Acq: 11 Dec 2019 21:05

Tgt Ion: 50 Resp: 189304

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036122.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036122.D (-51) (-)

1.54

200000

150000

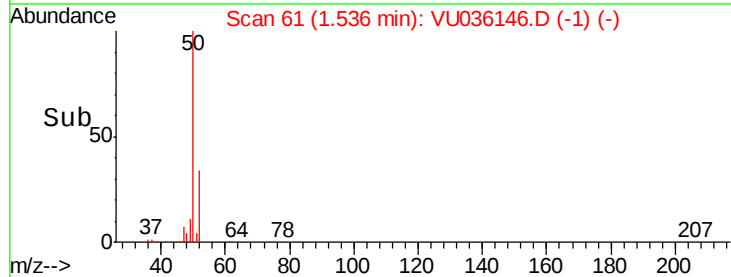
100000

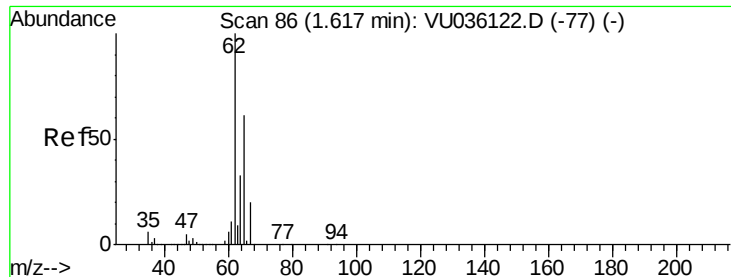
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 6.134 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

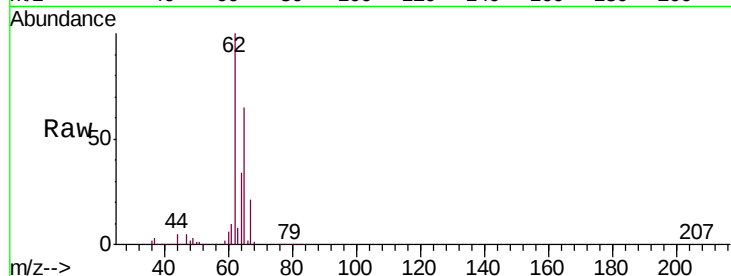
VSTD00509

Tgt Ion: 62 Resp: 202876

Ion Ratio Lower Upper

62 100

64 33.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036122.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036122.D (-77) (-)

1.62

200000

150000

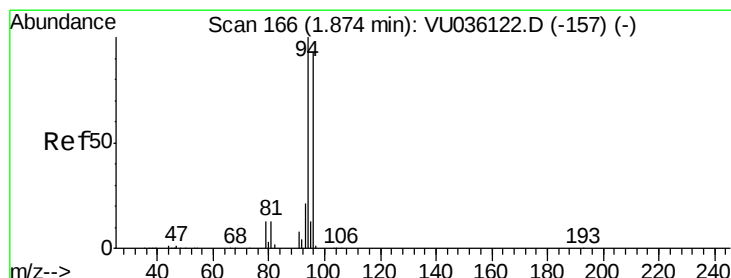
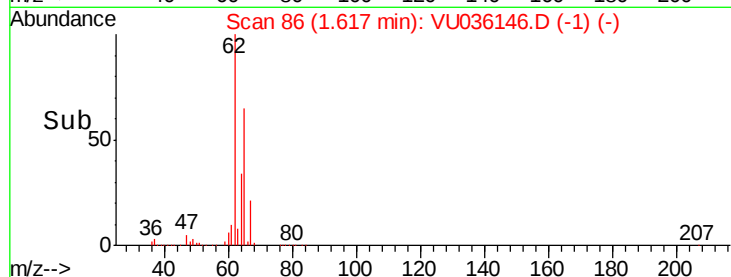
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.530 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036146.D

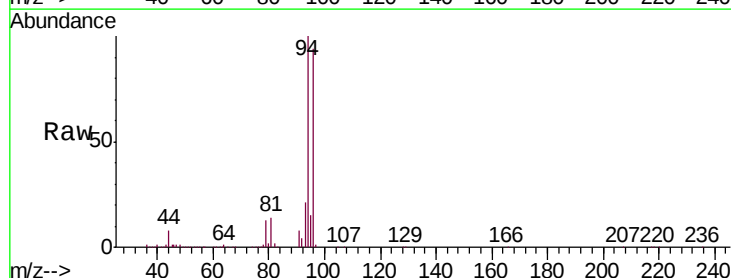
Acq: 11 Dec 2019 21:05

Tgt Ion: 94 Resp: 120391

Ion Ratio Lower Upper

94 100

96 93.7 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036122.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU036122.D (-157) (-)

1.87

100000

80000

60000

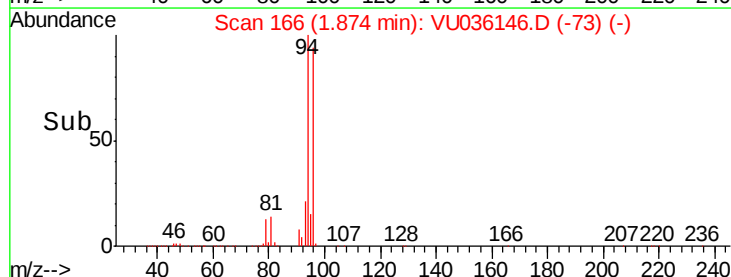
40000

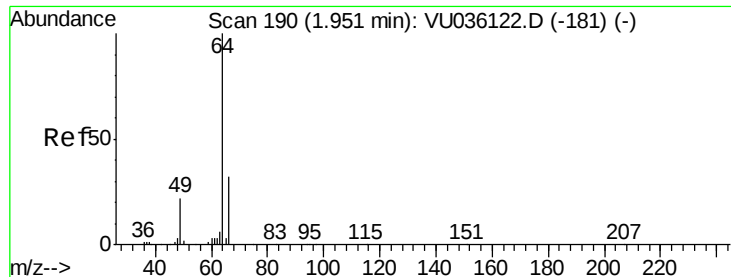
20000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 5.069 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

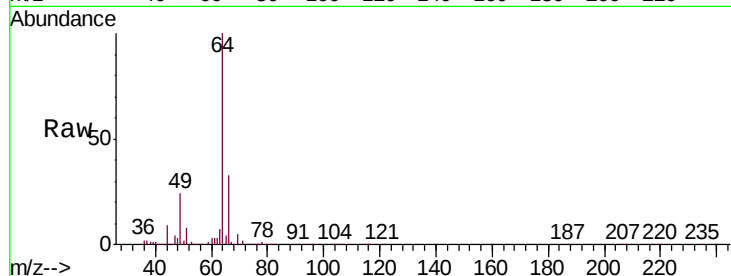
VSTD00509

Tgt Ion: 64 Resp: 127556

Ion Ratio Lower Upper

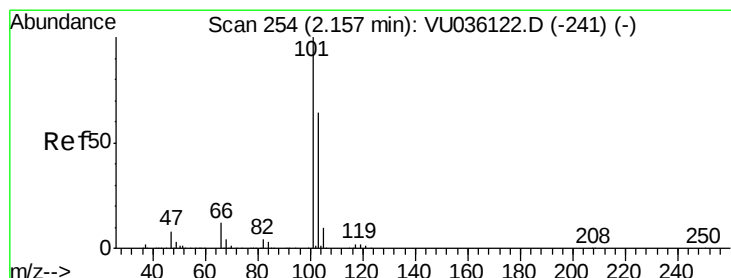
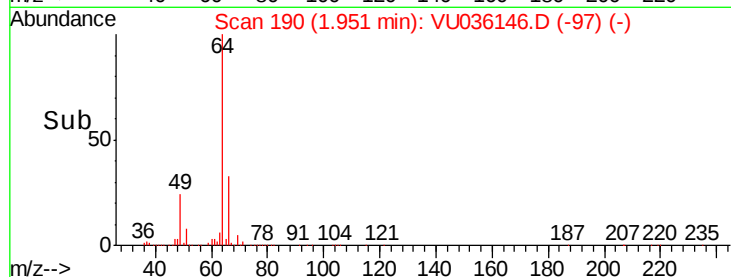
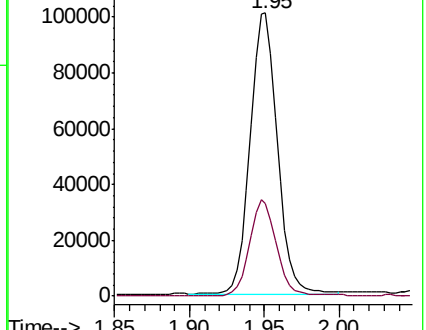
64 100

66 32.8 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU036146.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU036146.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.445 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036146.D

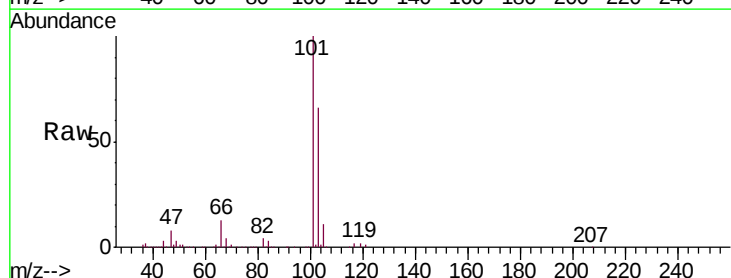
Acq: 11 Dec 2019 21:05

Tgt Ion: 101 Resp: 255983

Ion Ratio Lower Upper

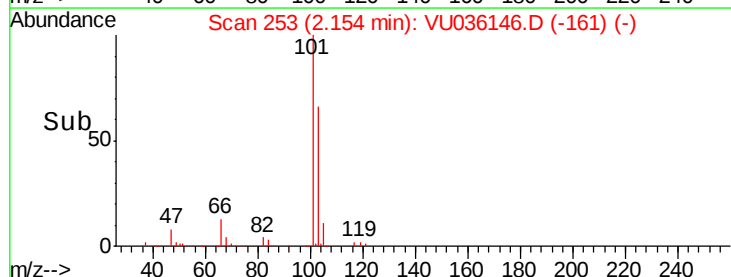
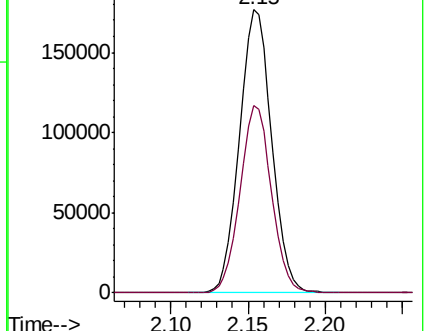
101 100

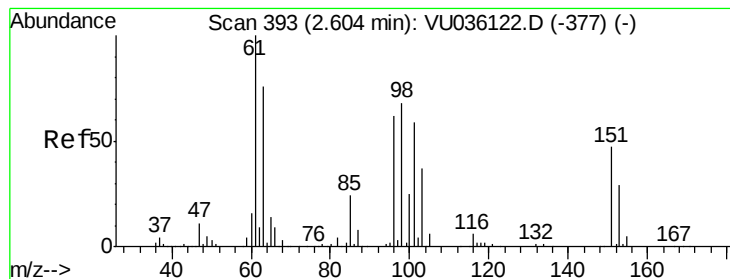
103 64.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VU036146.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU036146.D (-161) (-)





#10

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

Concen: 3.917 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

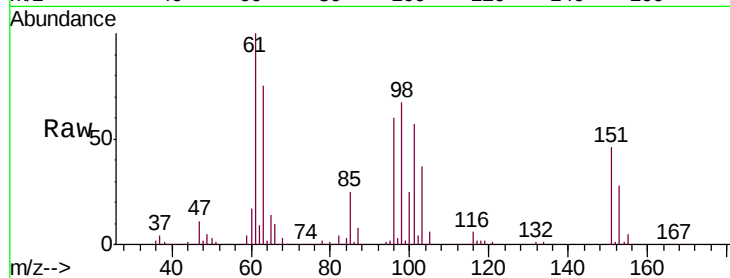
Tgt Ion: 101 Resp: 125167

Ion Ratio Lower Upper

101 100

85 42.6 33.1 49.7

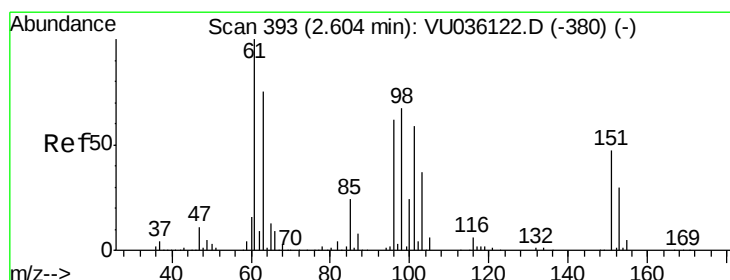
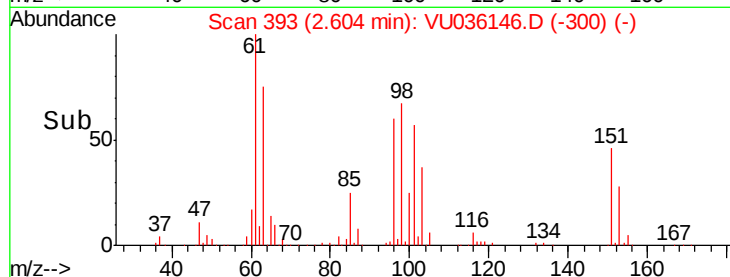
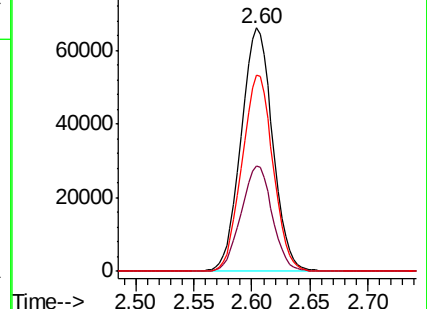
151 79.3 66.5 99.7



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: 3.960 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

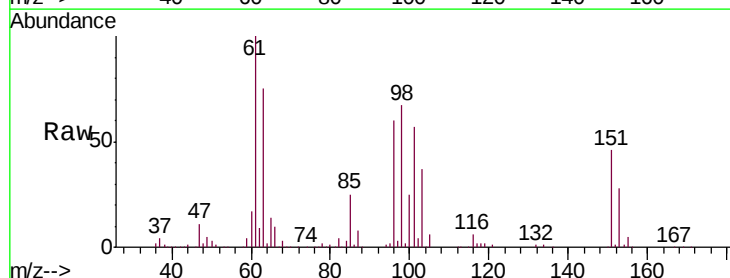
Tgt Ion: 96 Resp: 113807

Ion Ratio Lower Upper

96 100

61 165.5 104.3 193.7

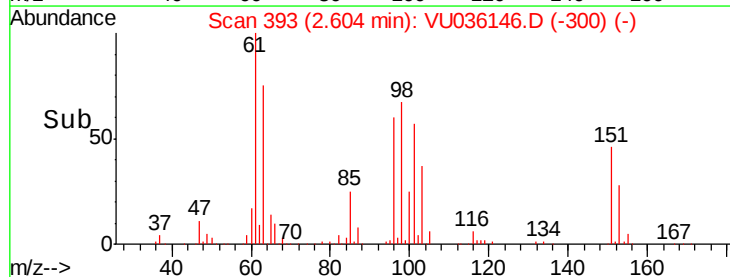
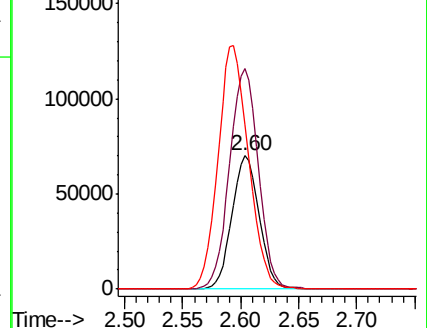
63 123.7 65.6 121.8#

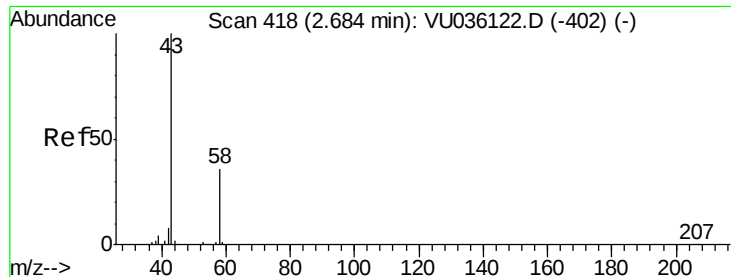


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 34.378 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

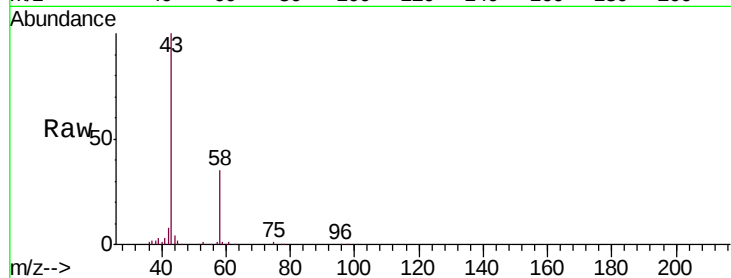
VSTD00509

Tgt Ion: 43 Resp: 218927

Ion Ratio Lower Upper

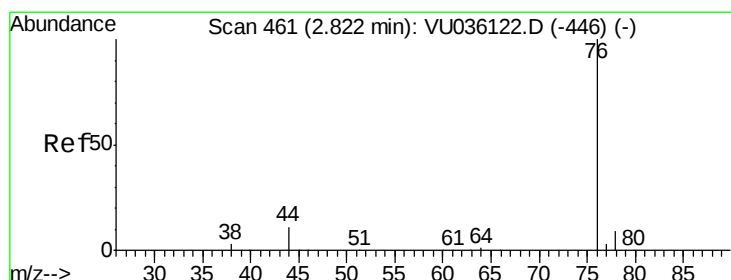
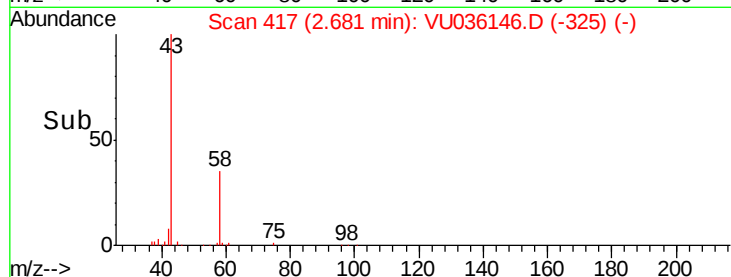
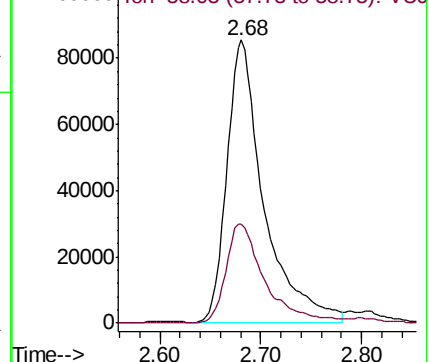
43 100

58 36.9 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036146.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU036146.D (-325) (-)



#14

Carbon disulfide

Concen: 4.286 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036146.D

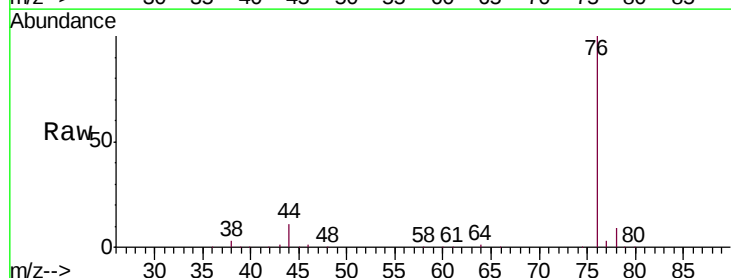
Acq: 11 Dec 2019 21:05

Tgt Ion: 76 Resp: 352818

Ion Ratio Lower Upper

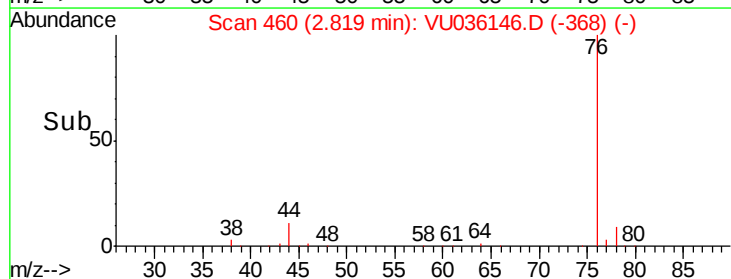
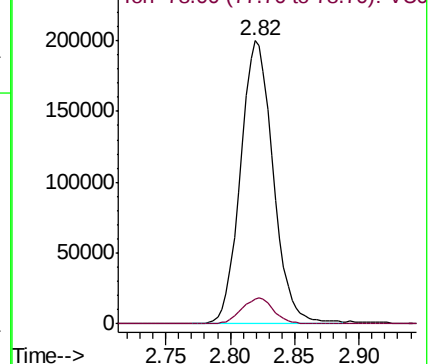
76 100

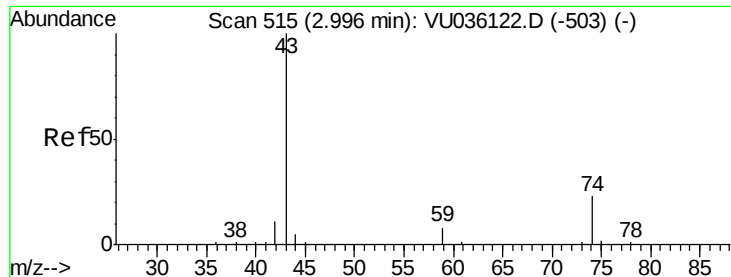
78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036146.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036146.D (-368) (-)

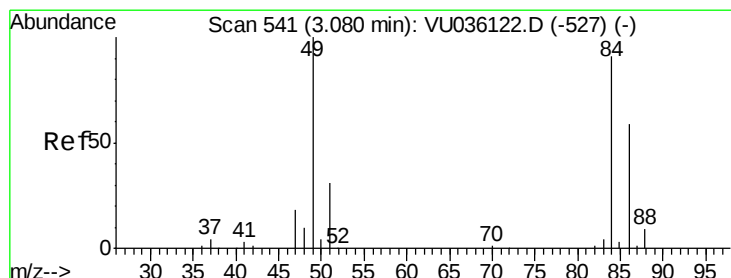
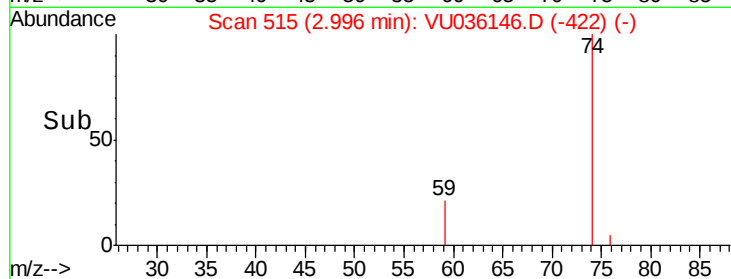
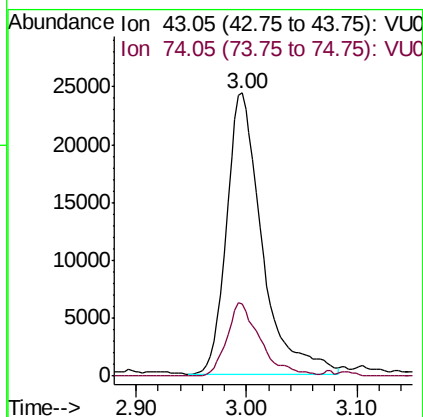
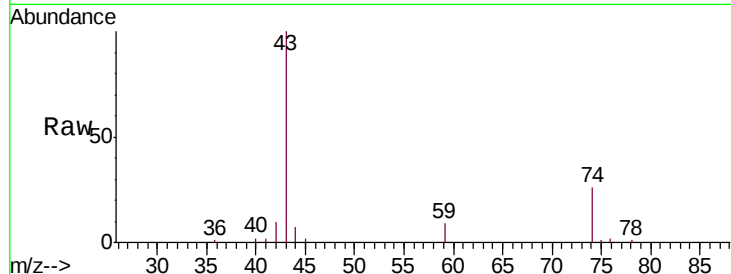




#15
Methyl Acetate
Concen: 5.751 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU036146.D
Acq: 11 Dec 2019 21:05

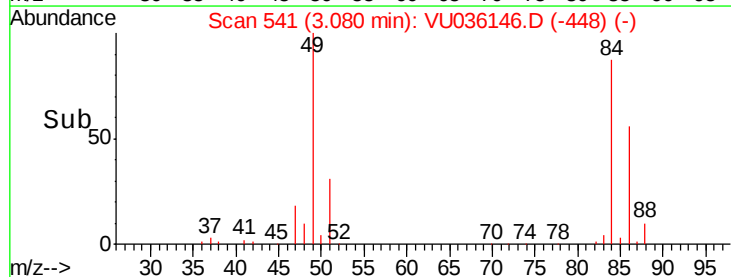
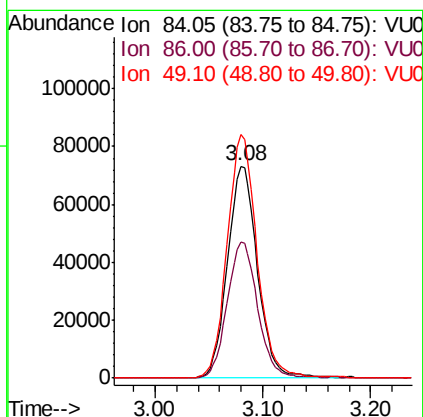
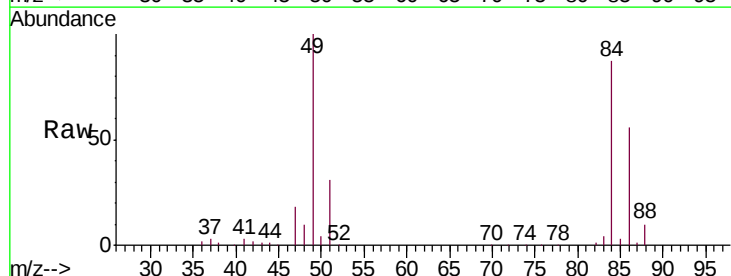
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

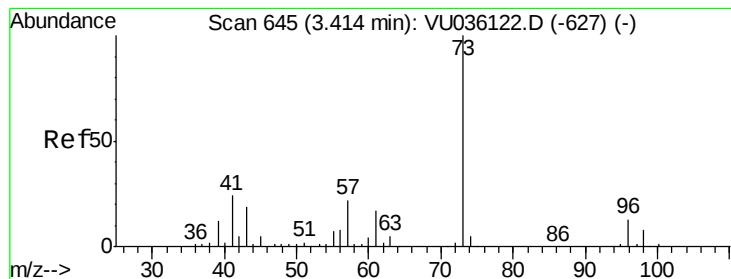
Tgt Ion: 43 Resp: 54074
Ion Ratio Lower Upper
43 100
74 24.7 21.0 31.4



#16
Methylene chloride
Concen: 4.263 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036146.D
Acq: 11 Dec 2019 21:05

Tgt Ion: 84 Resp: 142274
Ion Ratio Lower Upper
84 100
86 64.1 47.5 88.3
49 114.8 76.9 142.9





#17

Methyl tert-butyl Ether

Concen: 5.162 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

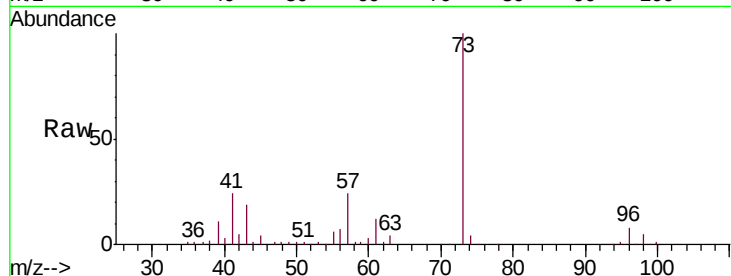
Tgt Ion: 73 Resp: 255381

Ion Ratio Lower Upper

73 100

43 19.3 15.6 23.4

57 23.0 17.4 26.2

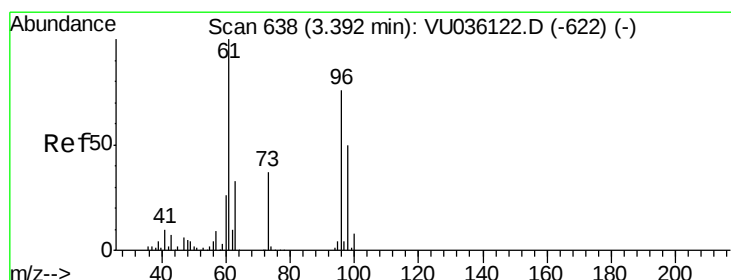
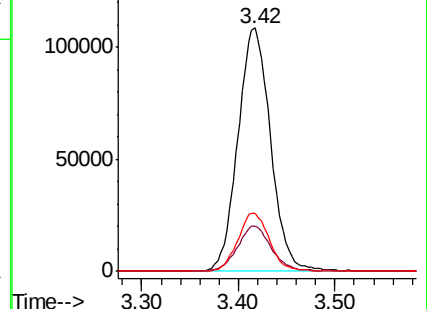
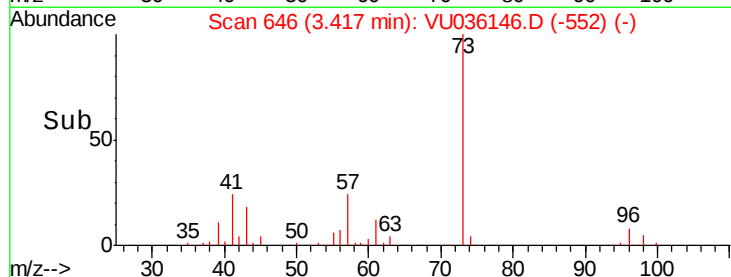


Abundance Ion 73.10 (72.80 to 73.80): VU036122.D (-627) (-)

Ion 43.05 (42.75 to 43.75): VU036122.D (-627) (-)

Ion 57.10 (56.80 to 57.80): VU036122.D (-627) (-)

3.42



#18

trans-1,2-Dichloroethene

Concen: 4.795 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

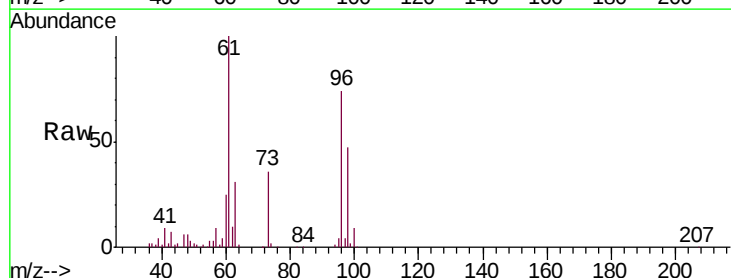
Tgt Ion: 96 Resp: 117608

Ion Ratio Lower Upper

96 100

61 135.9 92.0 170.8

98 63.9 44.6 82.8

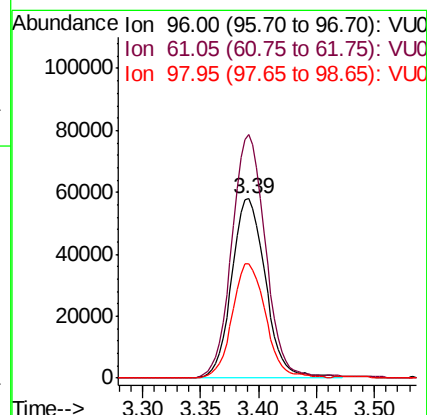
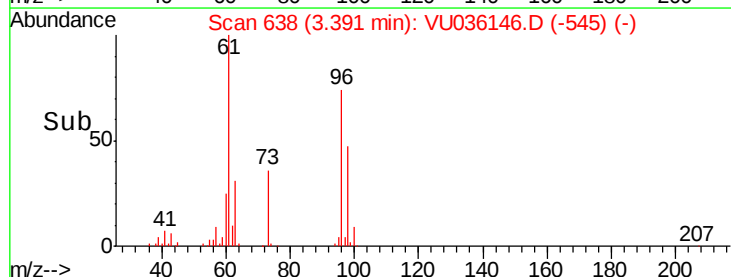


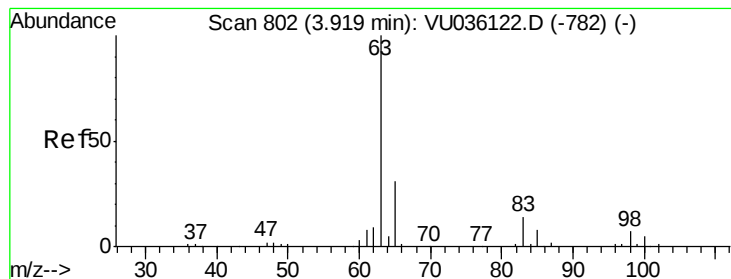
Abundance Ion 96.00 (95.70 to 96.70): VU036122.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU036122.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU036122.D (-622) (-)

3.39





#19

1,1-Dichloroethane

Concen: 5.164 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

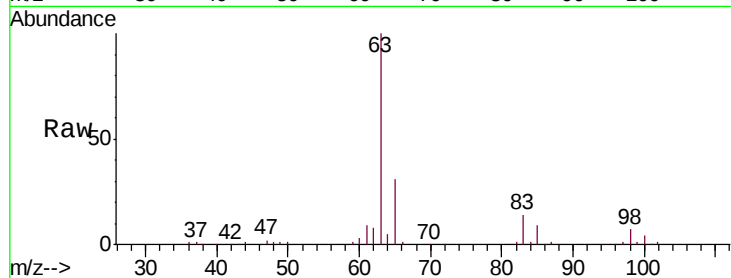
Tgt Ion: 63 Resp: 227328

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.4

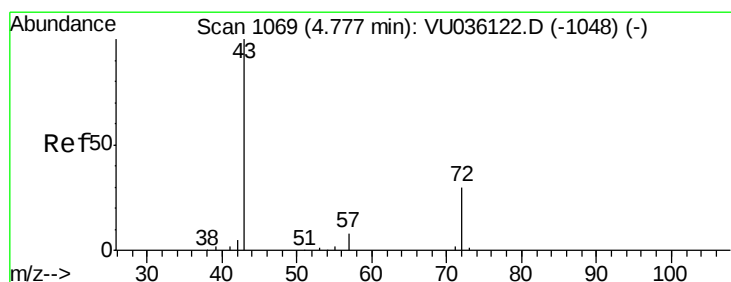
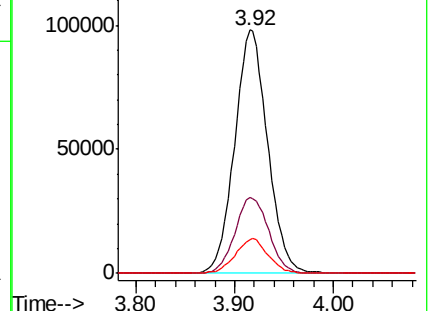
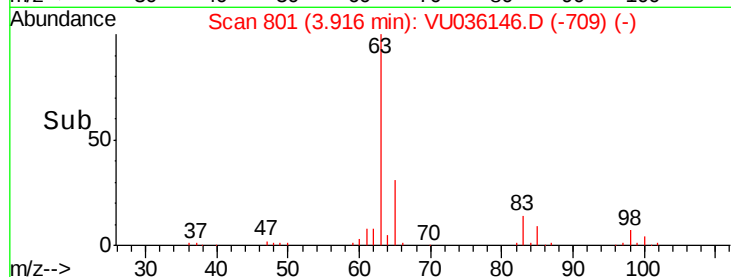
83 13.9 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036122.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036122.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036122.D (-782) (-)



#21

2-Butanone

Concen: 53.239 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VU036146.D

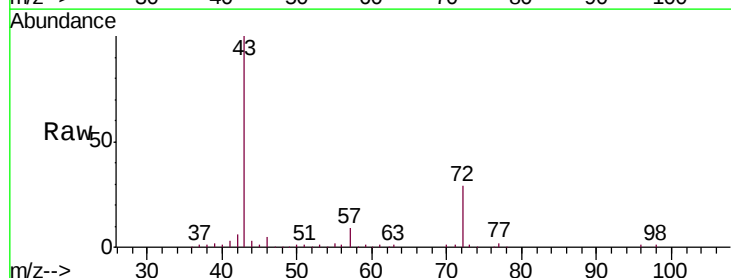
Acq: 11 Dec 2019 21:05

Tgt Ion: 43 Resp: 339345

Ion Ratio Lower Upper

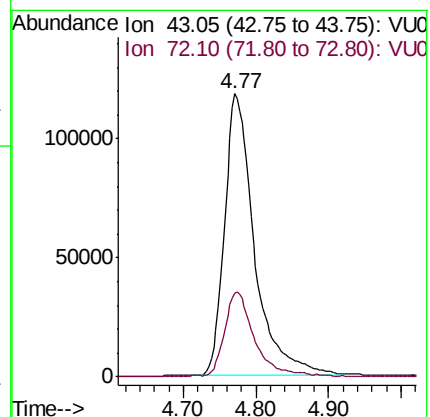
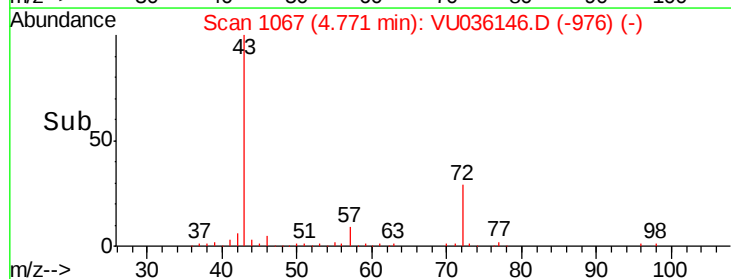
43 100

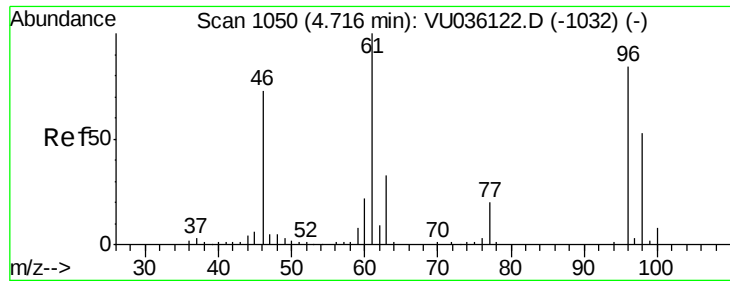
72 29.0 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-1048) (-)

Ion 72.10 (71.80 to 72.80): VU036122.D (-1048) (-)

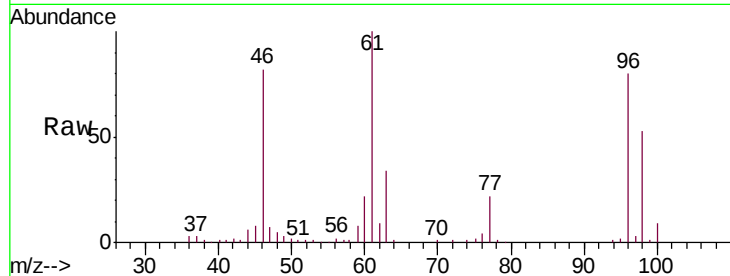




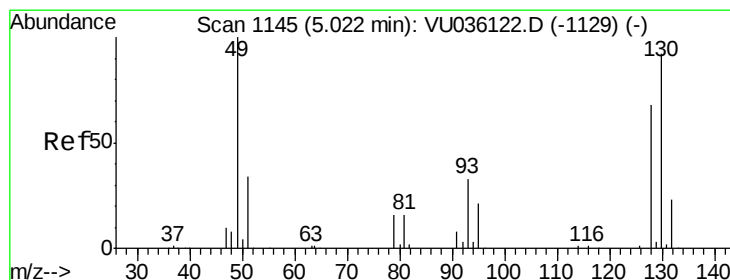
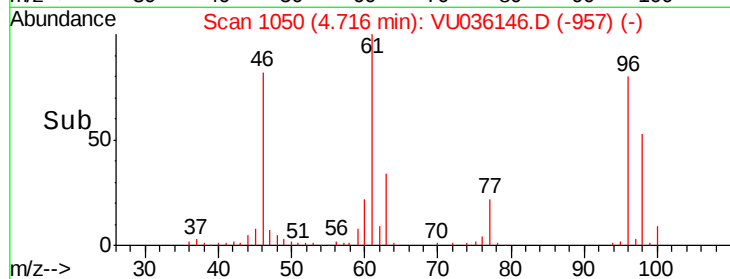
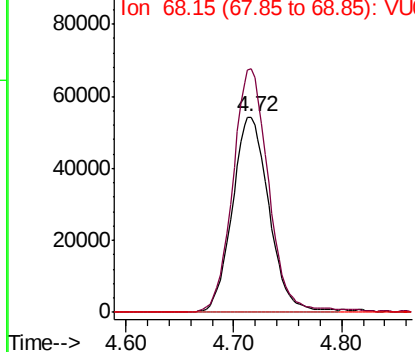
#22
 cis-1,2-Dichloroethene
 Concen: 4.983 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tgt Ion: 96 Resp: 128288
 Ion Ratio Lower Upper
 96 100
 61 124.5 83.0 154.2
 68 0.0 0.0 0.0

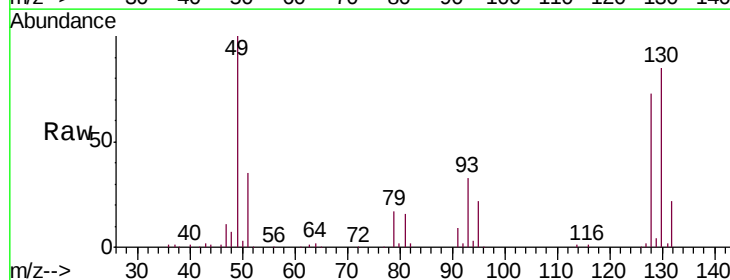


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

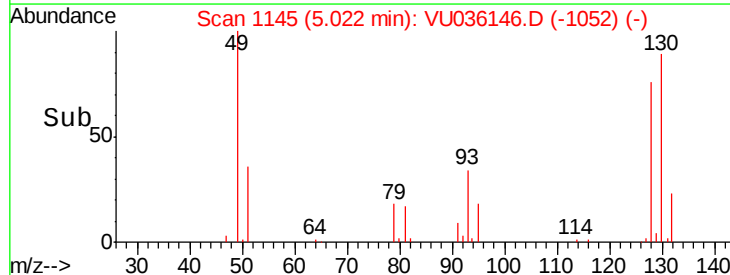
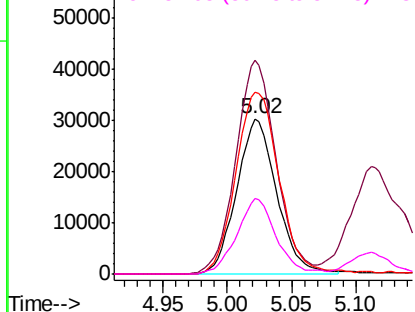


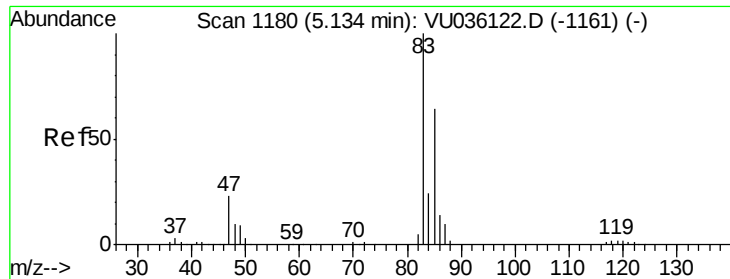
#23
 Bromochloromethane
 Concen: 4.931 ug/L
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

Tgt Ion: 128 Resp: 65625
 Ion Ratio Lower Upper
 128 100
 49 137.8 90.2 167.6
 130 117.3 89.0 165.4
 51 48.5 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

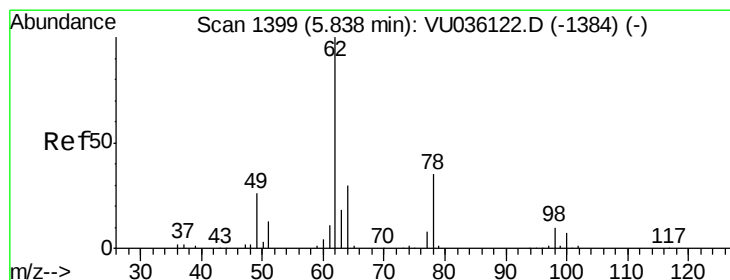
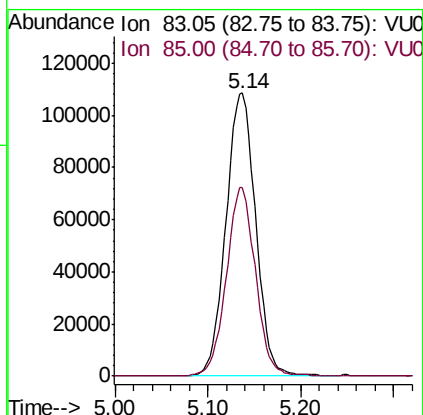
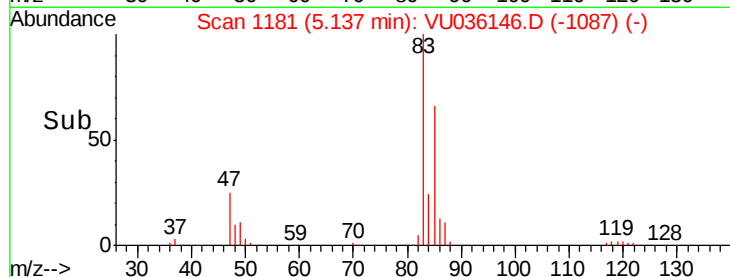
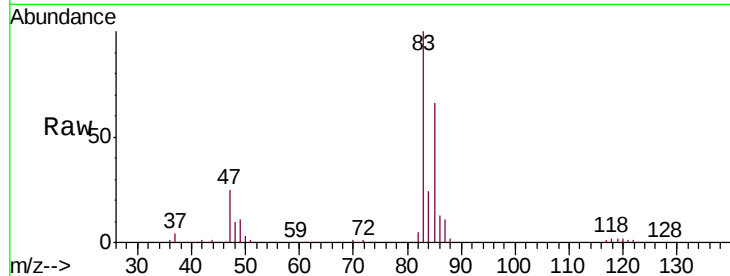




#25
Chloroform
Concen: 4.934 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036146.D
Acq: 11 Dec 2019 21:05

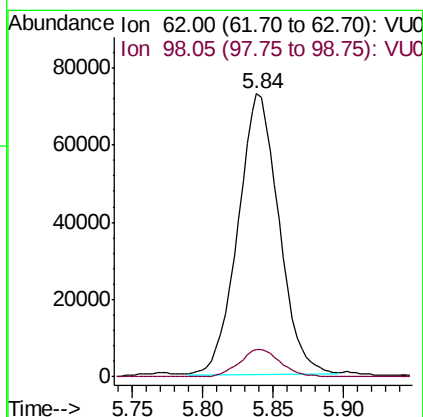
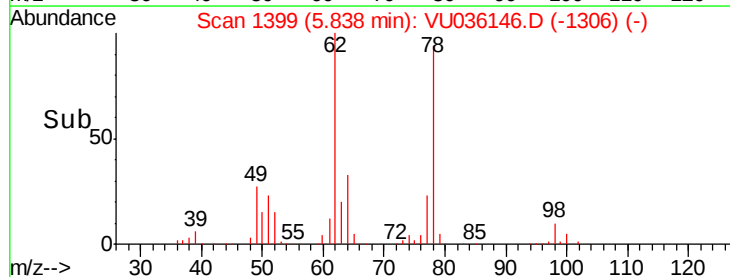
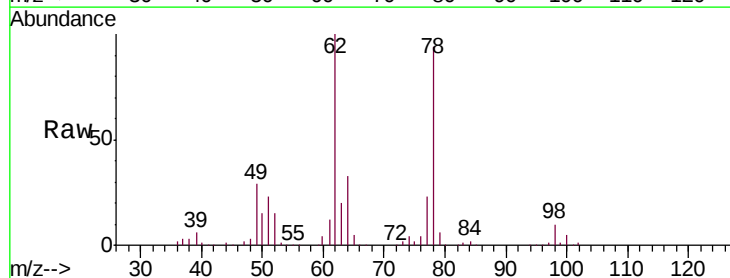
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

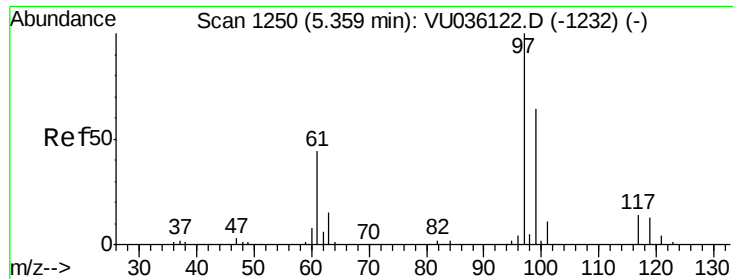
Tgt Ion: 83 Resp: 242046
Ion Ratio Lower Upper
83 100
85 66.5 43.9 81.5



#27
1,2-Dichloroethane
Concen: 5.095 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036146.D
Acq: 11 Dec 2019 21:05

Tgt Ion: 62 Resp: 147687
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2

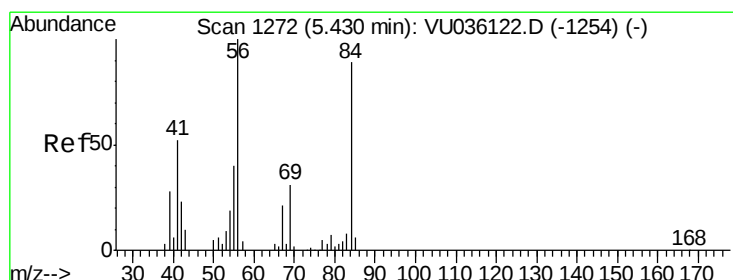
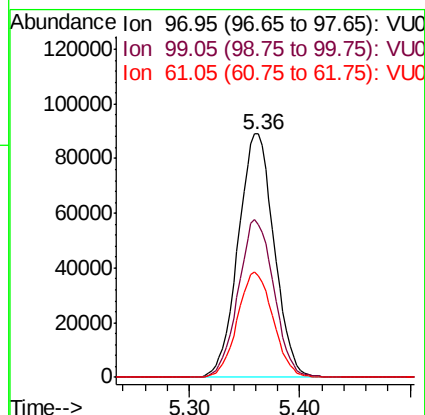
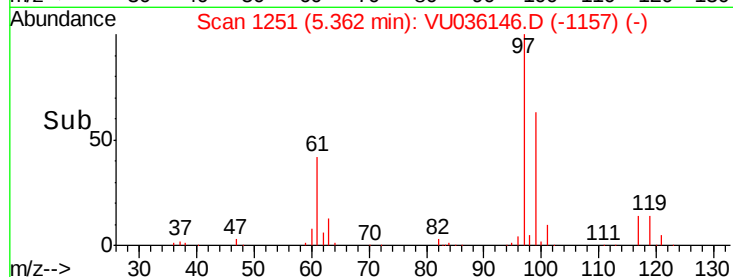
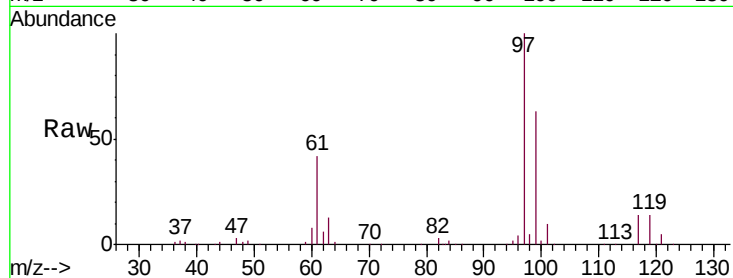




#29
 1,1,1-Trichloroethane
 Concen: 5.282 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

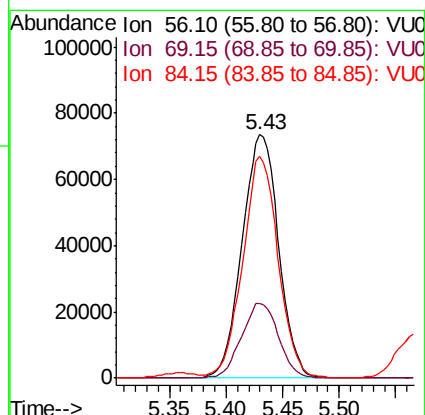
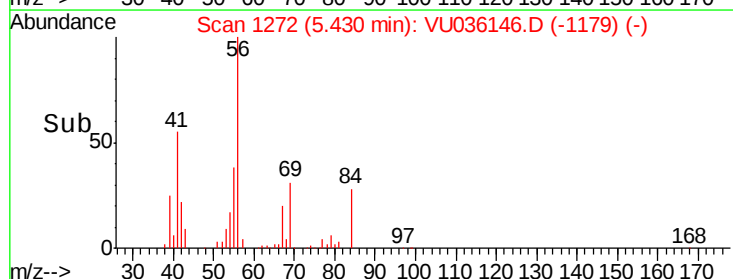
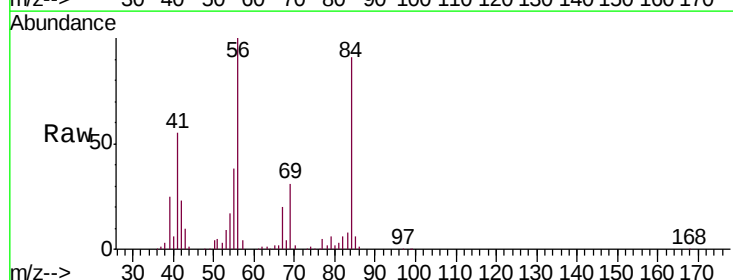
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

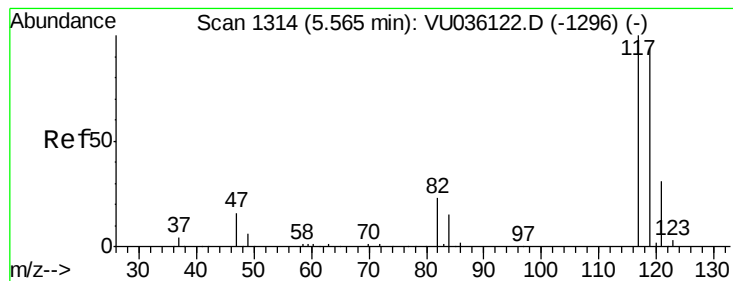
Tgt Ion: 97 Resp: 200748
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 42.8 34.7 52.1



#30
 Cyclohexane
 Concen: 5.531 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

Tgt Ion: 56 Resp: 165041
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.4 38.0
 84 88.8 74.5 111.7





#31

Carbon tetrachloride

Concen: 5.191 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

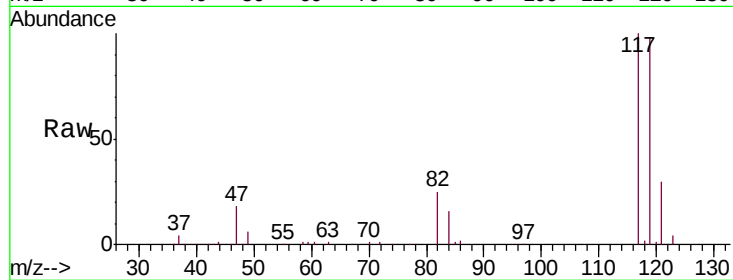
VSTD00509

Tgt Ion:117 Resp: 178409

Ion Ratio Lower Upper

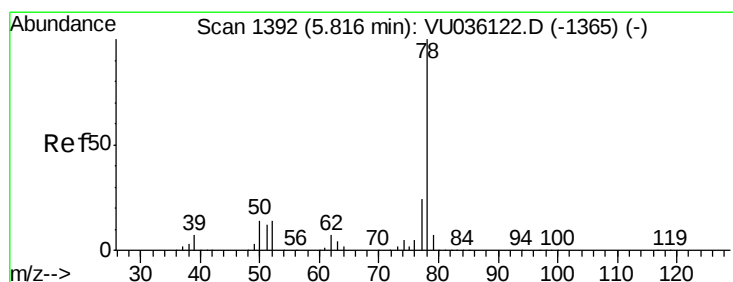
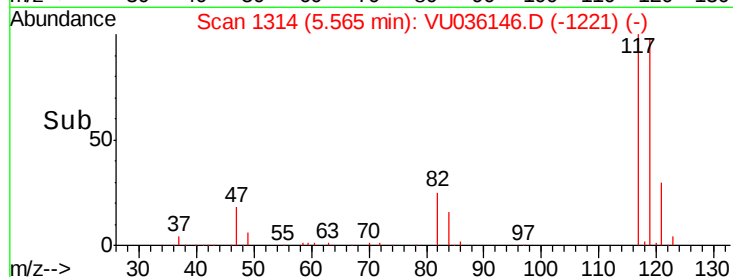
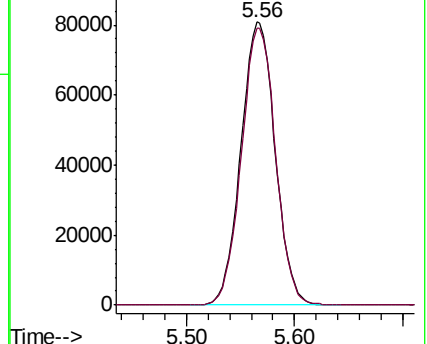
117 100

119 97.4 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.656 ug/L

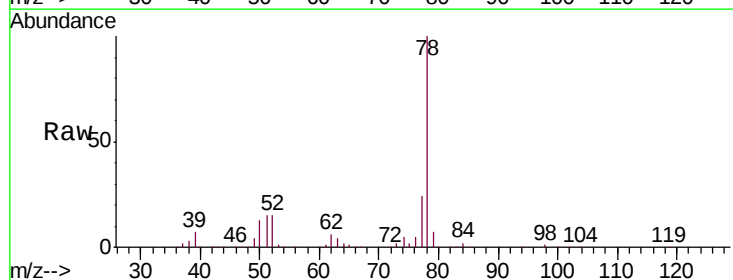
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Tgt Ion: 78 Resp: 521280



Abundance Ion 78.10 (77.80 to 78.80): VU0

300000

250000

200000

150000

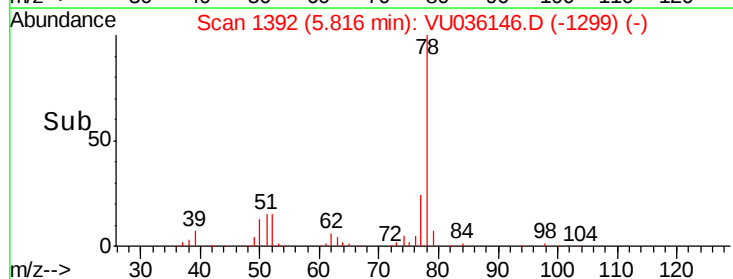
100000

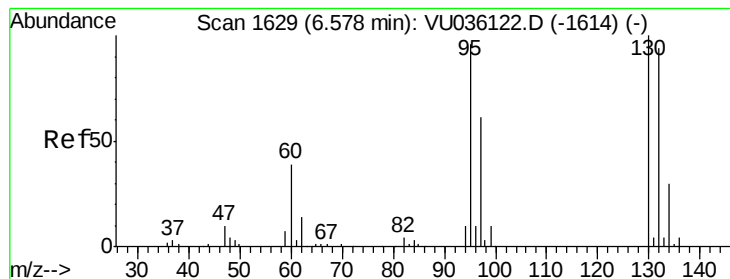
50000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 5.232 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 95 Resp: 128032

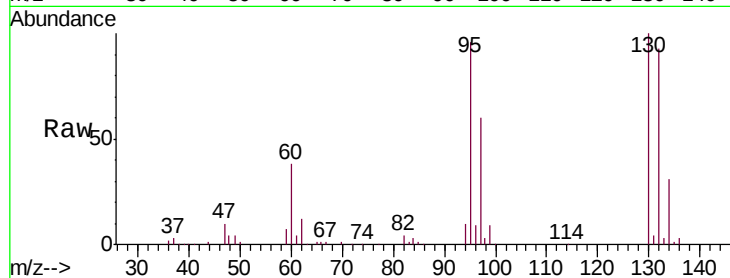
Ion Ratio Lower Upper

95 100

97 62.1 44.4 82.4

132 96.6 73.4 136.4

130 103.7 75.9 141.1

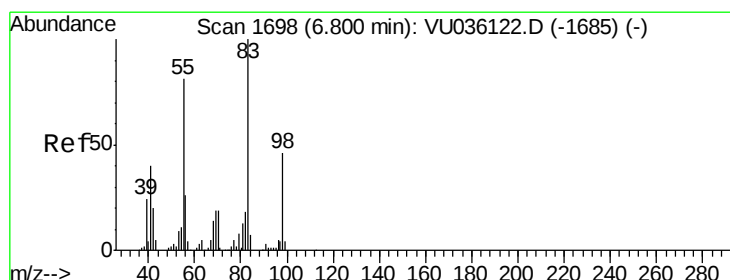
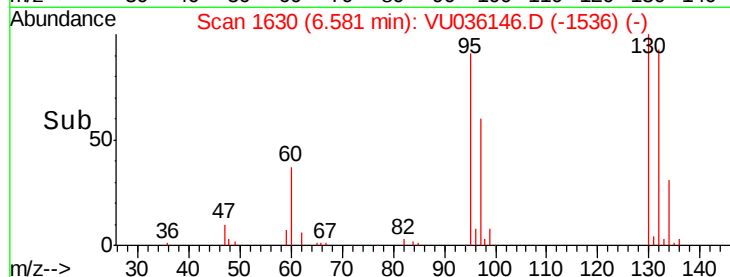
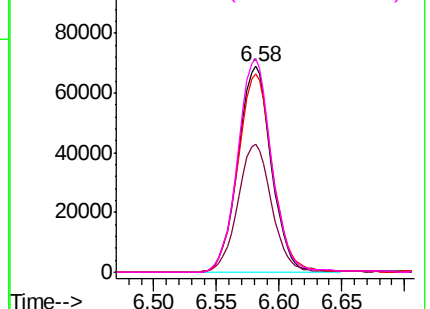


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.242 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

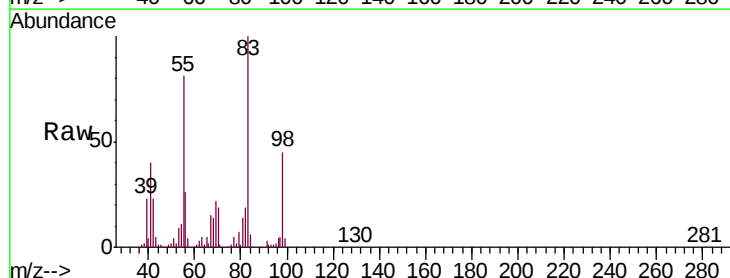
Tgt Ion: 83 Resp: 172095

Ion Ratio Lower Upper

83 100

55 81.0 62.1 93.1

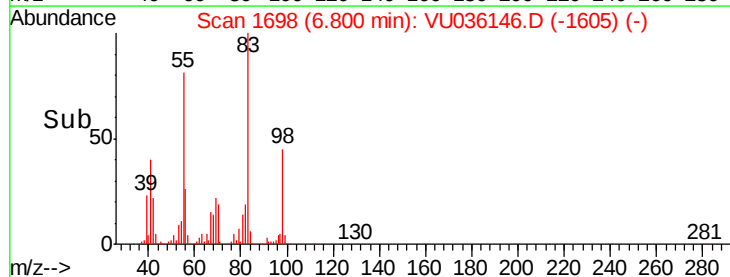
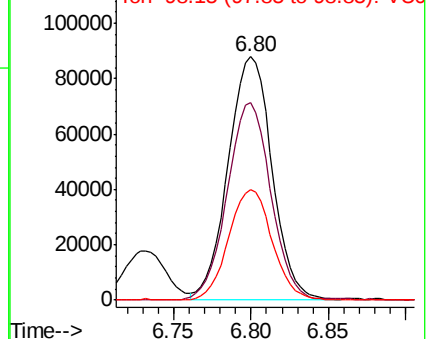
98 45.3 37.0 55.4

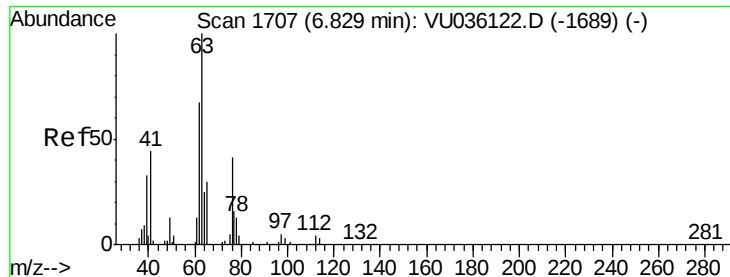


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

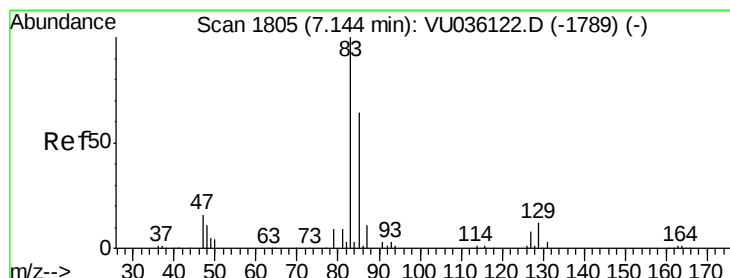
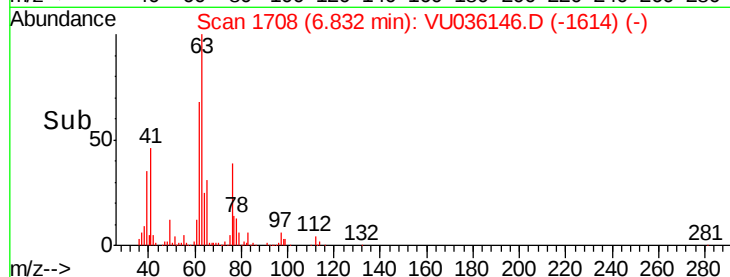
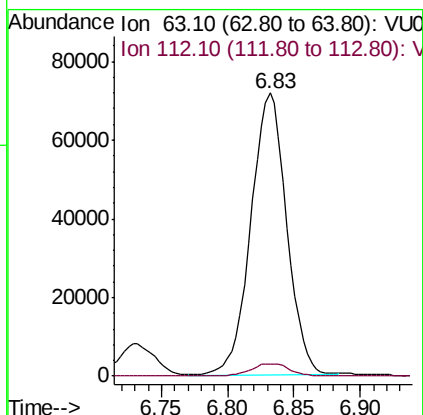
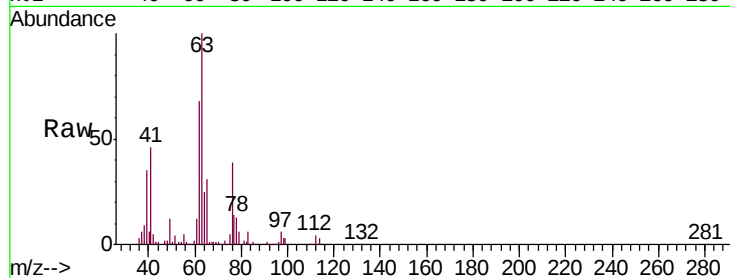




#37
 1,2-Dichloropropane
 Concen: 5.847 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

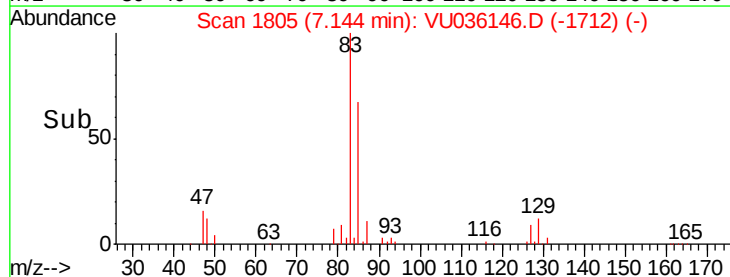
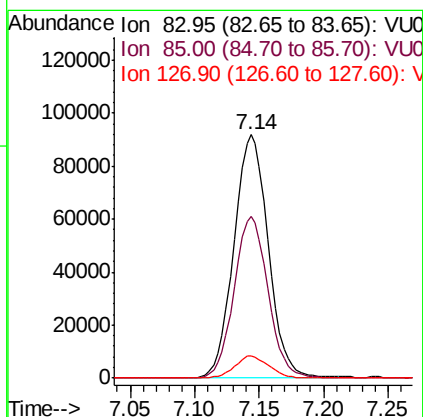
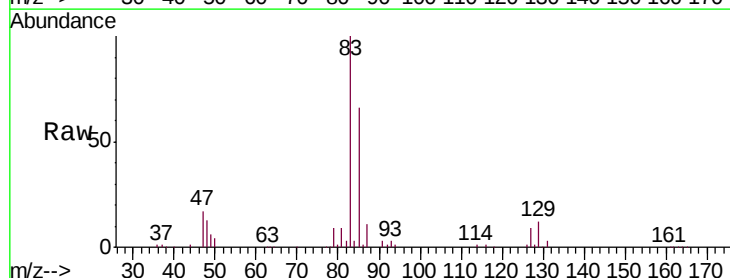
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

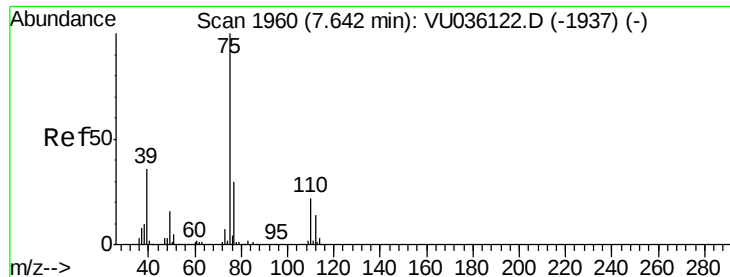
Tgt Ion: 63 Resp: 135181
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.488 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036146.D
 Acq: 11 Dec 2019 21:05

Tgt Ion: 83 Resp: 170534
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.2 84.0
 127 9.3 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.589 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

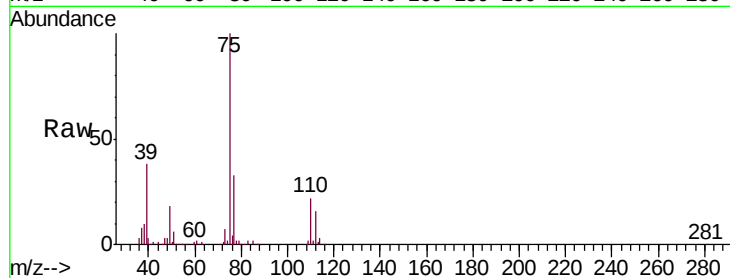
VSTD00509

Tgt Ion: 75 Resp: 175611

Ion Ratio Lower Upper

75 100

77 33.3 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU036122.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU036122.D (-1937) (-)

7.64

100000

80000

60000

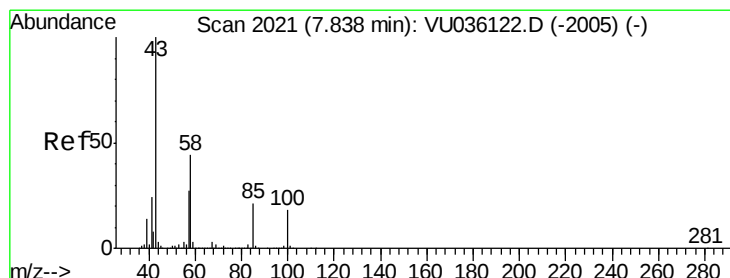
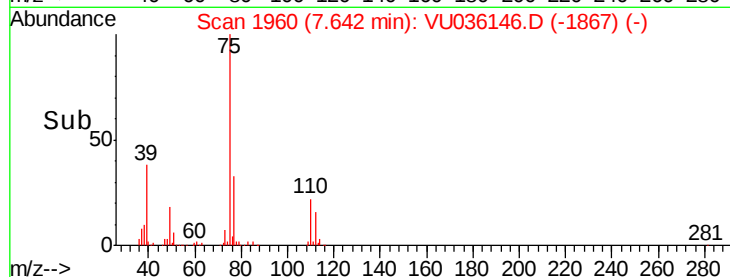
40000

20000

0

7.50 7.60 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 64.432 ug/L

RT: 7.83 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

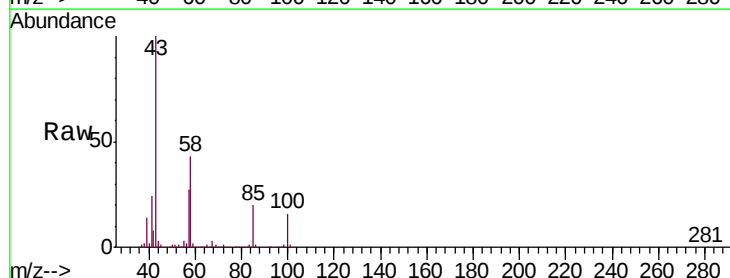
Tgt Ion: 43 Resp: 778023

Ion Ratio Lower Upper

43 100

58 43.0 34.5 51.7

100 17.1 14.3 21.5



Abundance Ion 43.05 (42.75 to 43.75): VU036122.D (-2005) (-)

Ion 58.05 (57.75 to 58.75): VU036122.D (-2005) (-)

Ion 100.15 (99.85 to 100.85): VU036122.D (-2005) (-)

7.83

500000

400000

300000

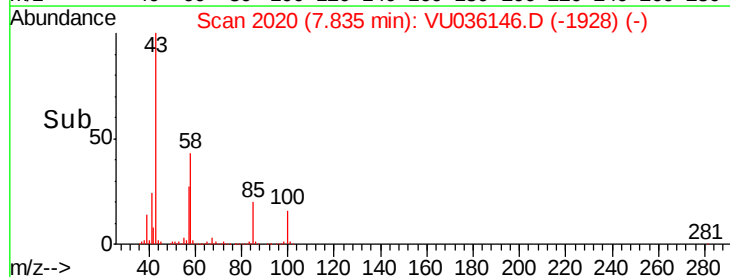
200000

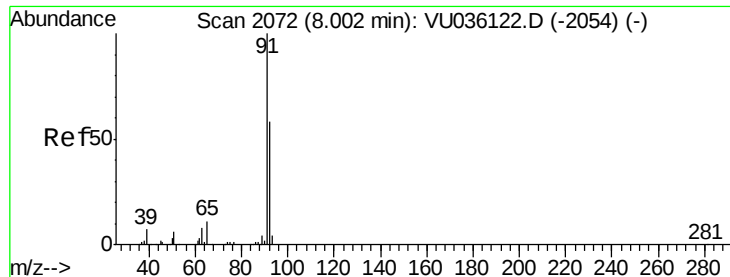
100000

0

7.75 7.80 7.85 7.90 7.95

Time-->





#42

Toluene

Concen: 5.747 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

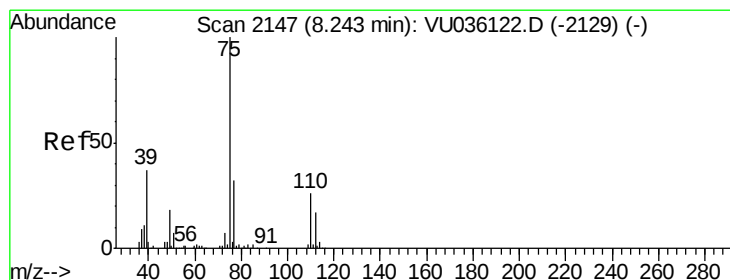
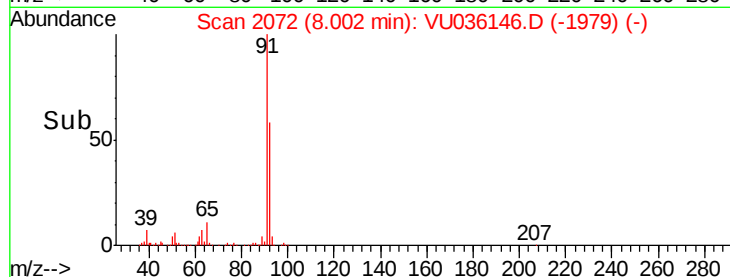
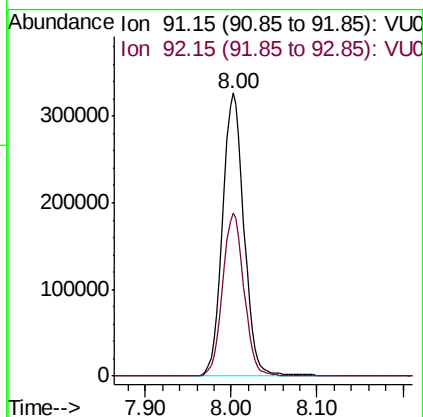
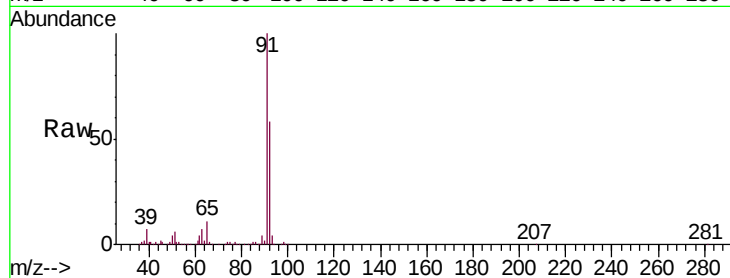
VSTD00509

Tgt Ion: 91 Resp: 568034

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.730 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036146.D

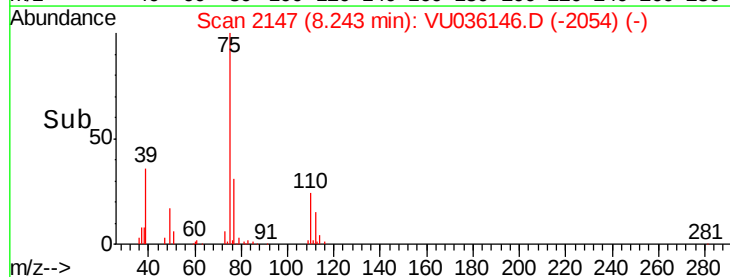
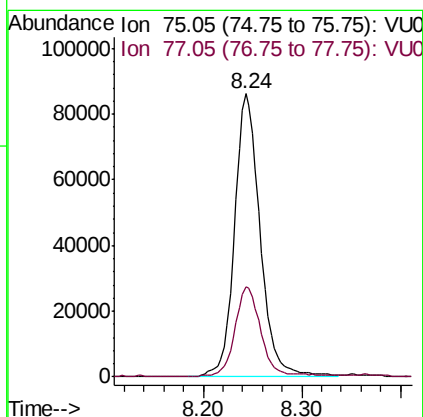
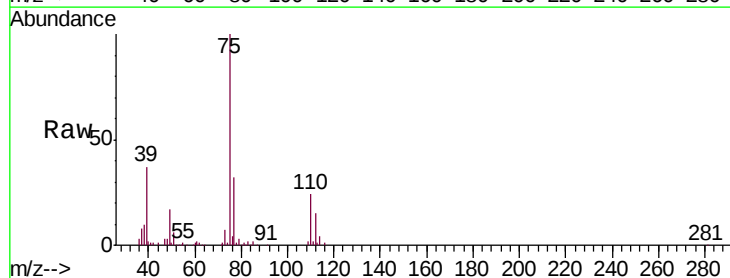
Acq: 11 Dec 2019 21:05

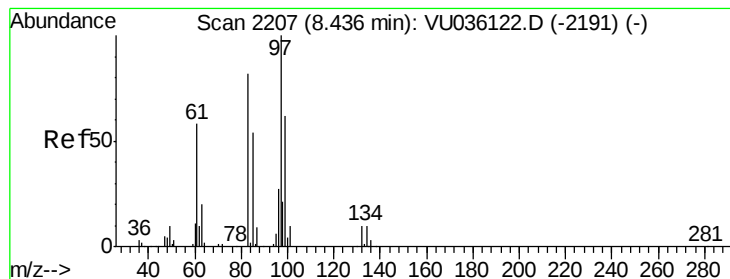
Tgt Ion: 75 Resp: 155639

Ion Ratio Lower Upper

75 100

77 31.9 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 5.701 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

Tgt Ion: 97 Resp: 103769

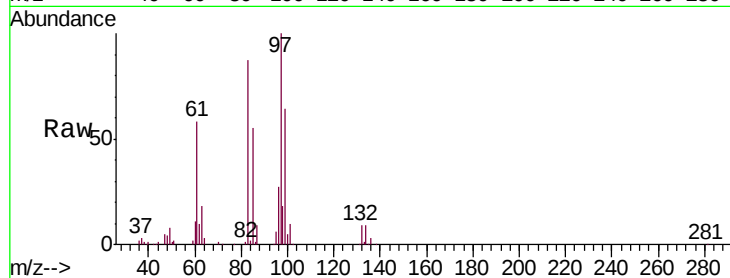
Ion Ratio Lower Upper

97 100

99 64.4 46.1 85.7

83 87.1 59.6 110.8

85 55.4 40.5 75.3

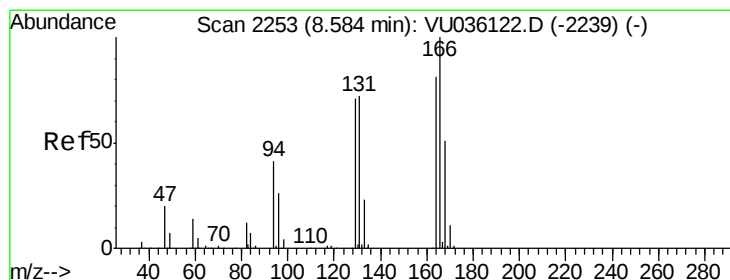
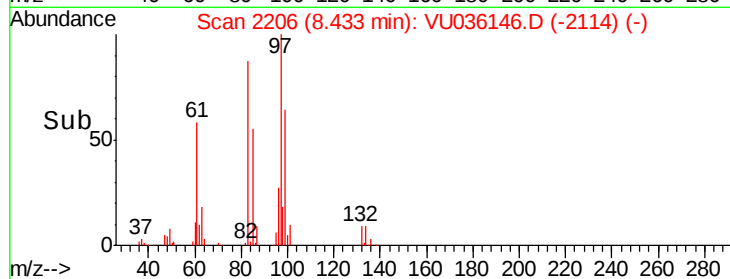
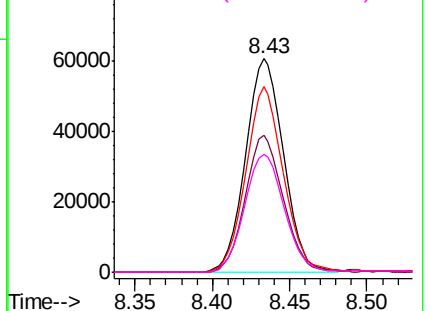


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.742 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036146.D

Acq: 11 Dec 2019 21:05

Tgt Ion: 164 Resp: 110323

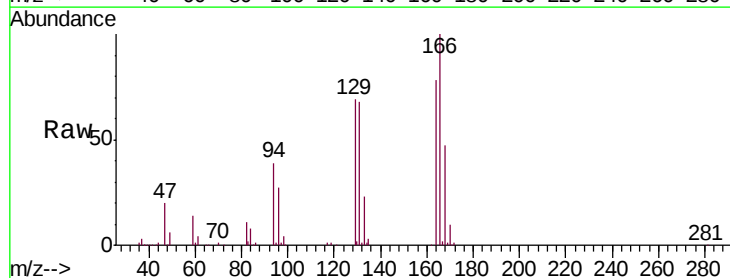
Ion Ratio Lower Upper

164 100

129 89.0 63.1 117.3

131 87.1 61.5 114.1

166 128.5 91.0 169.0



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

