

Data File : VU036295.D
Acq On : 19 Dec 2019 20:08
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Quant Time: Dec 20 03:19:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	269844	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	286213	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150330	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	118446	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.93	69	107419	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.60	63	173715	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.68	46	186583	41.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.82%
24) Chloroform-d	5.11	84	185021	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	94713	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.77	84	343441	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.73	67	106538	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	329064	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.21	79	45056	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.67	63	174176	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95597	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	127558	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	144922	4.812 ug/L	98
3) Chloromethane	1.54	50	142039	3.759 ug/L	99
5) Vinyl chloride	1.62	62	161480	4.504 ug/L	99
6) Bromomethane	1.87	94	97697	5.453 ug/L	96
8) Chloroethane	1.95	64	100580	4.697 ug/L	98
9) Trichlorofluoromethane	2.16	101	225881	4.999 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	106163	4.904 ug/L	99
12) 1,1-Dichloroethene	2.61	96	98288	4.910 ug/L	96
13) Acetone	2.66	43	165468	42.649 ug/L	98
14) Carbon disulfide	2.83	76	311726	4.641 ug/L	99
15) Methyl Acetate	2.99	43	40515	5.169 ug/L	98
16) Methylene chloride	3.08	84	134805	4.581 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	210062	4.896 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	100959	4.815 ug/L	98
19) 1,1-Dichloroethane	3.92	63	192108	4.963 ug/L	99
21) 2-Butanone	4.76	43	248869	48.003 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	108465	4.823 ug/L	99

Data File : VU036295.D
Acq On : 19 Dec 2019 20:08
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Quant Time: Dec 20 03:19:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56273	5.171	ug/L	98
25) Chloroform	5.14	83	211086	5.041	ug/L	96
27) 1,2-Dichloroethane	5.84	62	128146	5.160	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	178280	5.060	ug/L	99
30) Cyclohexane	5.43	56	139368	4.649	ug/L	100
31) Carbon tetrachloride	5.57	117	163035	5.075	ug/L	98
33) Benzene	5.82	78	445305	5.062	ug/L	100
34) Trichloroethene	6.58	95	113918	5.023	ug/L	96
35) Methylcyclohexane	6.80	83	155550	4.824	ug/L	99
37) 1,2-Dichloropropane	6.83	63	111563	4.971	ug/L	100
38) Bromodichloromethane	7.14	83	149756	5.127	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	146561	4.794	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	598637	51.000	ug/L	99
42) Toluene	8.00	91	485228	5.147	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	129074	5.026	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	85094	5.061	ug/L	94
47) Tetrachloroethene	8.58	164	101838	4.972	ug/L	93
48) 2-Hexanone	8.72	43	461298	52.660	ug/L	99
49) Dibromochloromethane	8.84	129	106688	5.133	ug/L	100
50) 1,2-Dibromoethane	8.96	107	81221	5.064	ug/L	99
51) Chlorobenzene	9.47	112	298829	4.800	ug/L	99
52) Ethylbenzene	9.60	91	465061	4.911	ug/L	100
53) m,p-Xylene	9.72	106	181199	4.966	ug/L	100
54) o-Xylene	10.13	106	171393	4.870	ug/L	99
55) Styrene	10.14	104	312475	5.018	ug/L	97
56) Isopropylbenzene	10.51	105	450457	4.984	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	111878	5.226	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	77620	5.204	ug/L	99
61) Bromoform	10.32	173	66472	5.094	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	247256	4.875	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	251041	4.991	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	234380	4.851	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	17695	5.513	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	179773	4.730	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	124387	4.982	ug/L	99
69) Naphthalene	14.10	128	170967	5.383	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	123619	5.120	ug/L	98

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

Data File : VU036295.D

Acq On : 19 Dec 2019 20:08

Operator : JC/MD

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 19      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

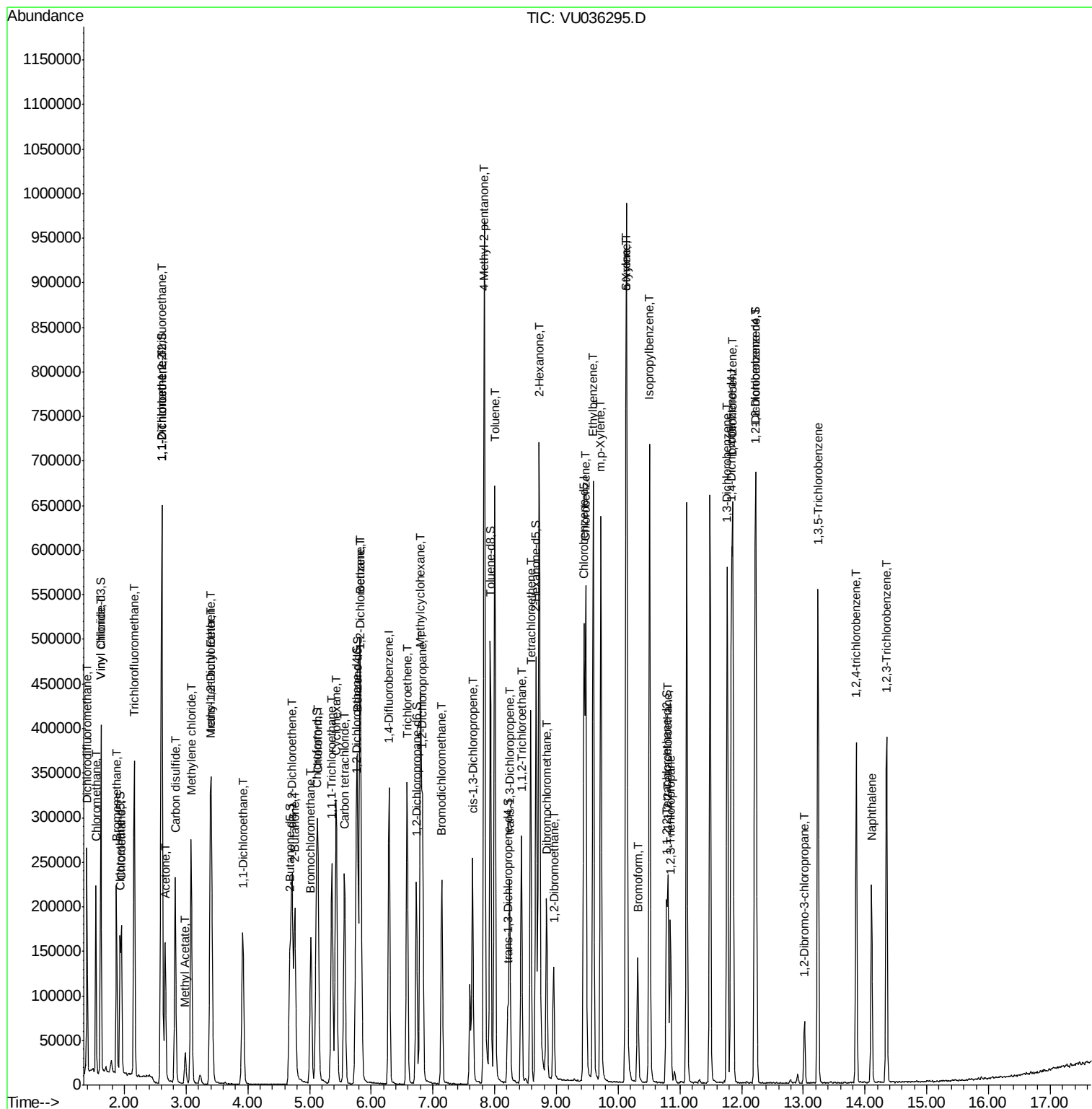
Quant Time: Dec 20 03:19:37 2019

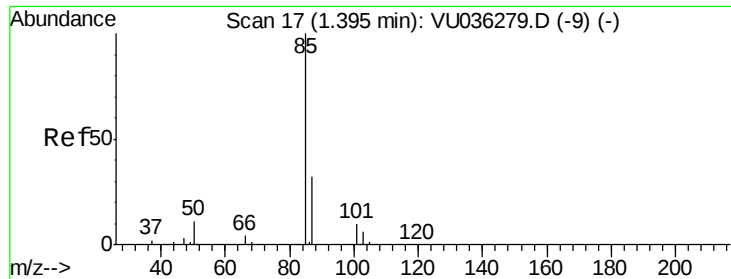
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR121319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Dec 20 03:13:48 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.812 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036295.D

Acq: 19 Dec 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

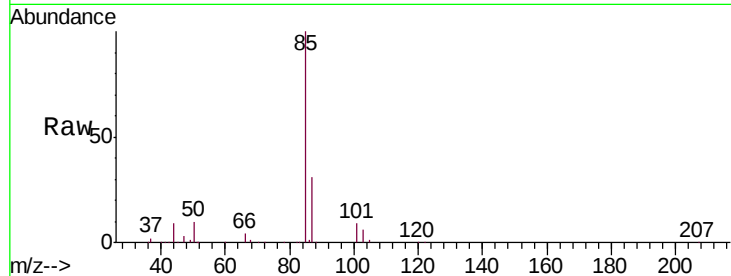
VSTD00522

Tgt Ion: 85 Resp: 144922

Ion Ratio Lower Upper

85 100

87 31.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036279.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036279.D (-9) (-)

1.39

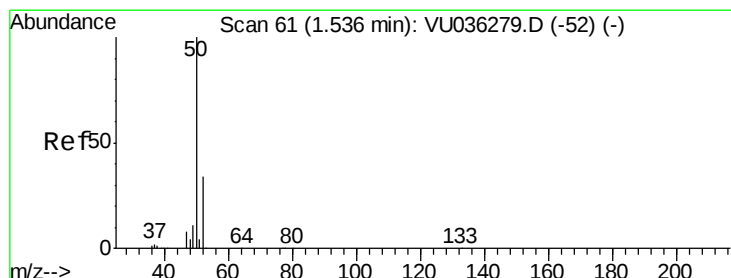
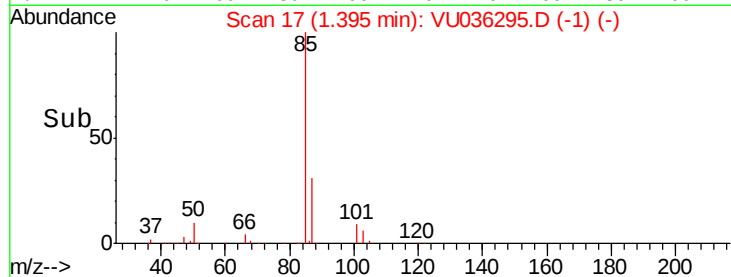
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.759 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036295.D

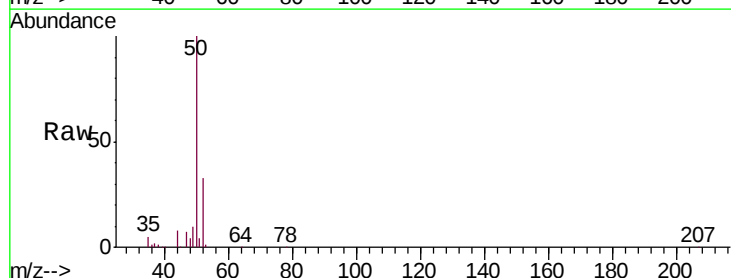
Acq: 19 Dec 2019 20:08

Tgt Ion: 50 Resp: 142039

Ion Ratio Lower Upper

50 100

52 33.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036279.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036279.D (-52) (-)

1.54

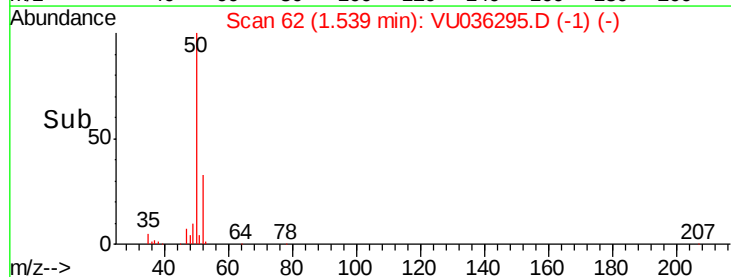
150000

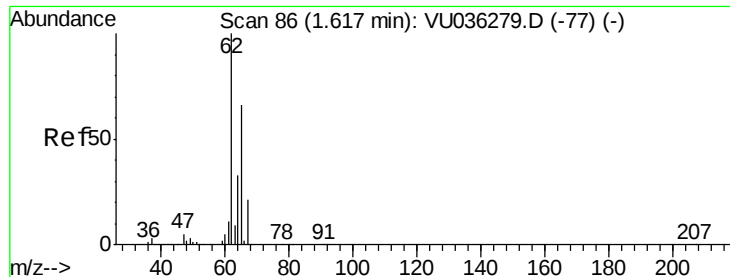
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.504 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036295.D

Acq: 19 Dec 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

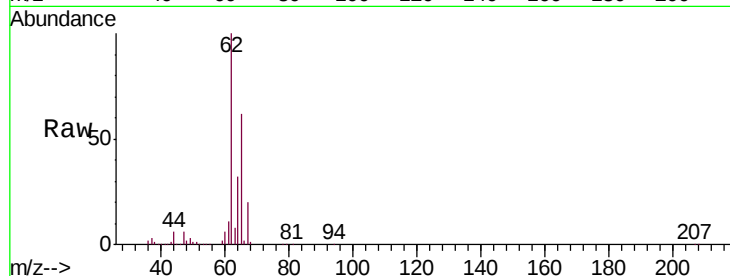
VSTD00522

Tgt Ion: 62 Resp: 161480

Ion Ratio Lower Upper

62 100

64 31.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036295.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036295.D (-77) (-)

1.62

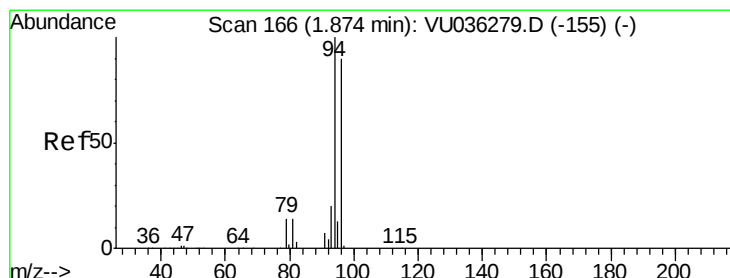
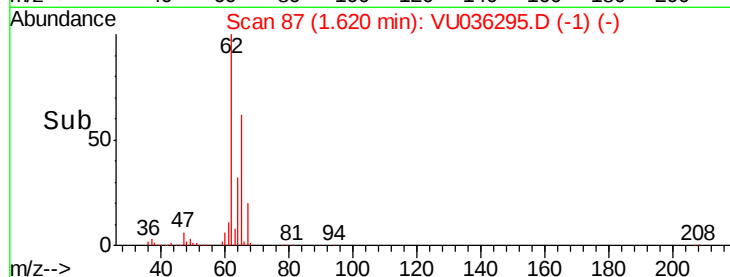
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.453 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036295.D

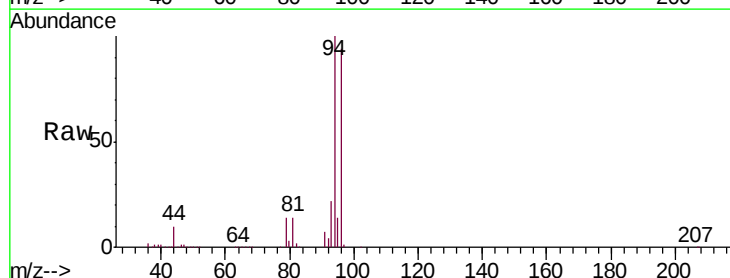
Acq: 19 Dec 2019 20:08

Tgt Ion: 94 Resp: 97697

Ion Ratio Lower Upper

94 100

96 93.6 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036295.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036295.D (-155) (-)

1.87

80000

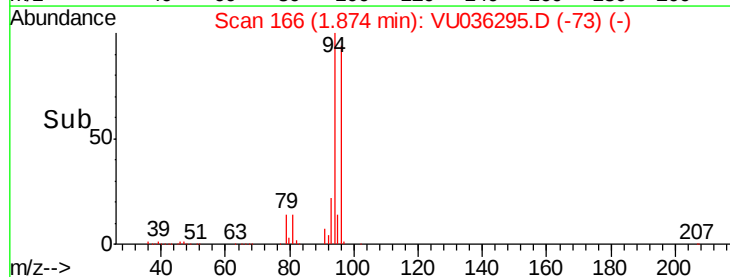
60000

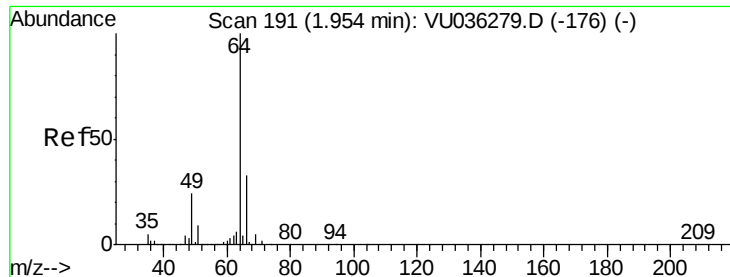
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

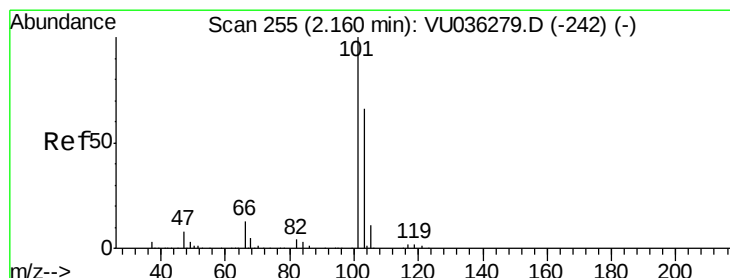
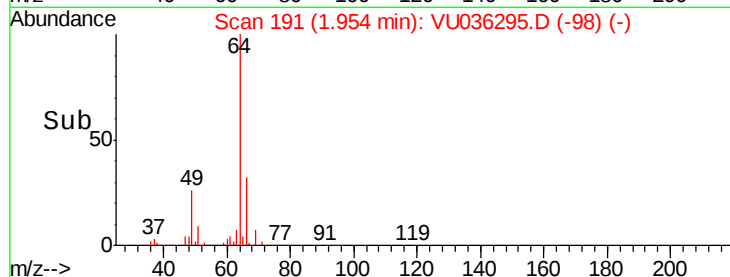
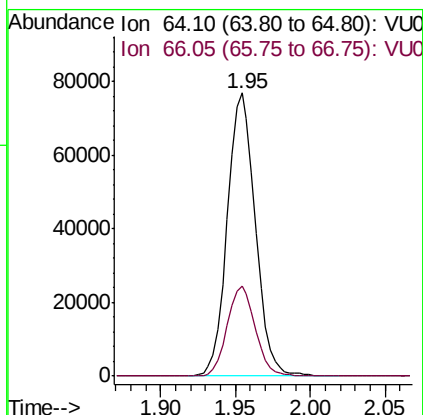
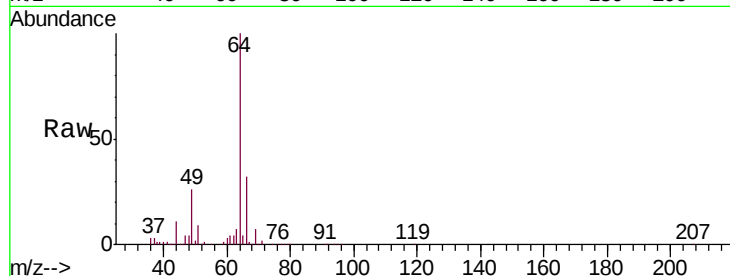




#8
Chloroethane
Concen: 4.697 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU036295.D
Acq: 19 Dec 2019 20:08

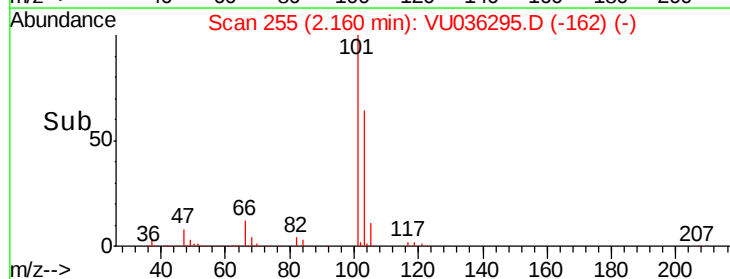
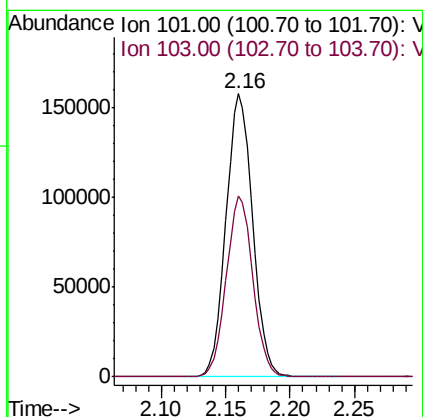
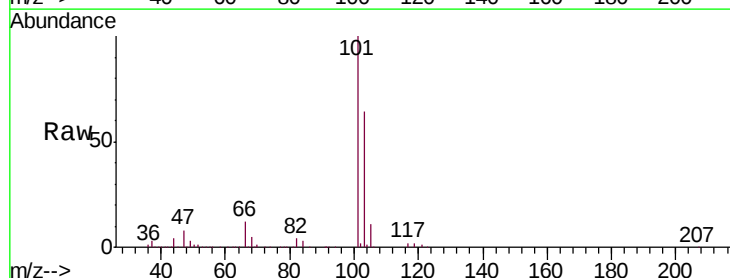
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

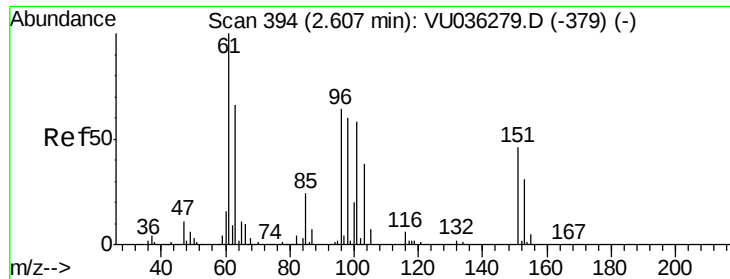
Tgt Ion: 64 Resp: 100580
Ion Ratio Lower Upper
64 100
66 31.9 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.999 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU036295.D
Acq: 19 Dec 2019 20:08

Tgt Ion: 101 Resp: 225881
Ion Ratio Lower Upper
101 100
103 63.7 50.4 75.6





#10

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

Concen: 4.904 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036295.D

Acq: 19 Dec 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

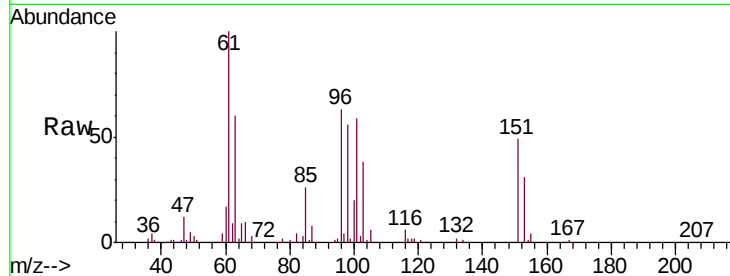
Tgt Ion: 101 Resp: 106163

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

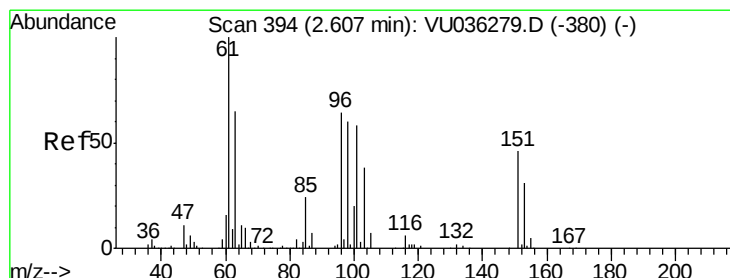
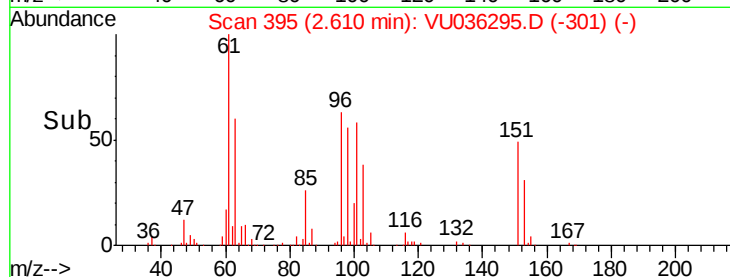
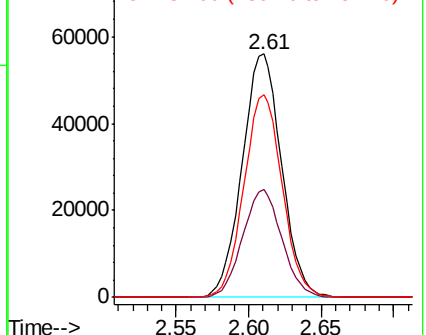
151 80.8 63.9 95.9



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: 4.910 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036295.D

Acq: 19 Dec 2019 20:08

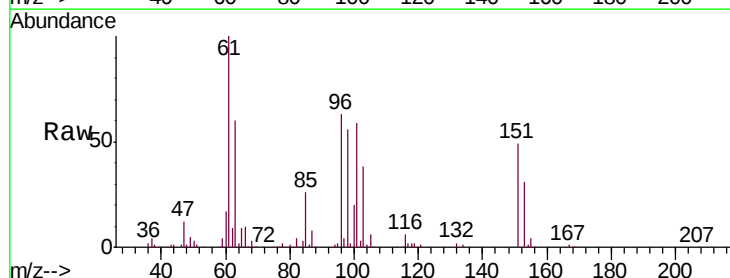
Tgt Ion: 96 Resp: 98288

Ion Ratio Lower Upper

96 100

61 158.4 114.0 211.8

63 94.7 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

