

Data File : VU033813.D
Acq On : 15 Aug 2019 16:13
Operator : JC/SP
Sample : VSTD20032
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

Quant Time: Aug 16 01:49:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 01:44:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	463571	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	452009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	246591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	808880	227.61	ug/L	0.00
7) Chloroethane-d5	1.67	69	964799	272.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	1379043	231.93	ug/L	0.00
21) 2-Butanone-d5	4.16	46	950443	446.68	ug/L	0.00
24) Chloroform-d	4.62	84	1298819	242.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	803160	238.97	ug/L	0.00
32) Benzene-d6	5.32	84	2617588	237.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	832511	243.48	ug/L	0.00
41) Toluene-d8	7.55	98	2524271	243.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	416452	245.60	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	760603	458.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	1167581	233.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	993660	233.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	851462	235.618	ug/L	99
3) Chloromethane	1.32	50	871555	234.174	ug/L	99
5) Vinyl chloride	1.39	62	996177	240.083	ug/L	98
6) Bromomethane	1.62	94	674448	197.936	ug/L	100
8) Chloroethane	1.68	64	966007	315.942	ug/L	95
9) Trichlorofluoromethane	1.87	101	1324804	237.816	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	626582	217.819	ug/L	99
12) 1,1-Dichloroethene	2.27	96	620861	219.588	ug/L	98
13) Acetone	2.32	43	710289	331.036	ug/L	98
14) Carbon disulfide	2.46	76	1915519	235.875	ug/L	100
15) Methyl Acetate	2.60	43	674376	189.304	ug/L	99
16) Methylene chloride	2.68	84	693771	213.150	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	653305	217.673	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	2064811	214.092	ug/L	100
19) 1,1-Dichloroethane	3.42	63	1224462	215.084	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	739654	217.214	ug/L	96
22) 2-Butanone	4.24	43	1030930	391.227	ug/L	100
23) Bromochloromethane	4.52	128	380313	215.744	ug/L	99
25) Chloroform	4.65	83	1253518	211.322	ug/L	99
27) 1,2-Dichloroethane	5.38	62	982357	217.056	ug/L	100
29) Cyclohexane	4.97	56	1107042	229.083	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	1082720	216.278	ug/L	99
31) Carbon tetrachloride	5.11	117	982729	217.677	ug/L	99
33) Benzene	5.37	78	2774105	215.284	ug/L	100
34) Trichloroethene	6.16	95	729190	214.802	ug/L	98
35) Methylcyclohexane	6.40	83	1193221	232.355	ug/L	97
37) 1,2-Dichloropropane	6.41	63	744139	216.422	ug/L	100
38) Bromodichloromethane	6.74	83	963510	218.422	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	1232590	227.785	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	1927674	391.993	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	3065677	220.742	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	1102248	229.117	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	686761	206.283	ug/L	99
46) Tetrachloroethene	8.21	164	589398	212.684	ug/L	99
48) 2-Hexanone	8.35	43	1510604	388.735	ug/L	98
49) Dibromochloromethane	8.46	129	811596	216.723	ug/L	99
50) 1,2-Dibromoethane	8.57	107	755749	206.232	ug/L	99
51) Chlorobenzene	9.10	112	1916557	211.014	ug/L	99
52) Ethylbenzene	9.23	91	3380325	223.901	ug/L	100
53) m,p-Xylene	9.36	106	1272991	221.158	ug/L	98
54) o-xylene	9.76	106	1264810	222.592	ug/L	98
55) Styrene	9.77	104	2199961	229.627	ug/L	99
56) Isopropylbenzene	10.15	105	3302566	222.235	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	1151724	199.397	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	901518	196.660	ug/L	99
61) Bromoform	9.94	173	626162	209.469	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	1551328	204.684	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	1575557	205.061	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	1570487	209.563	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	274023	199.019	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	1254935	210.119	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	1128458	212.513	ug/L	99
69) Naphthalene	13.73	128	3541013	224.722	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	1132175	203.395	ug/L	100

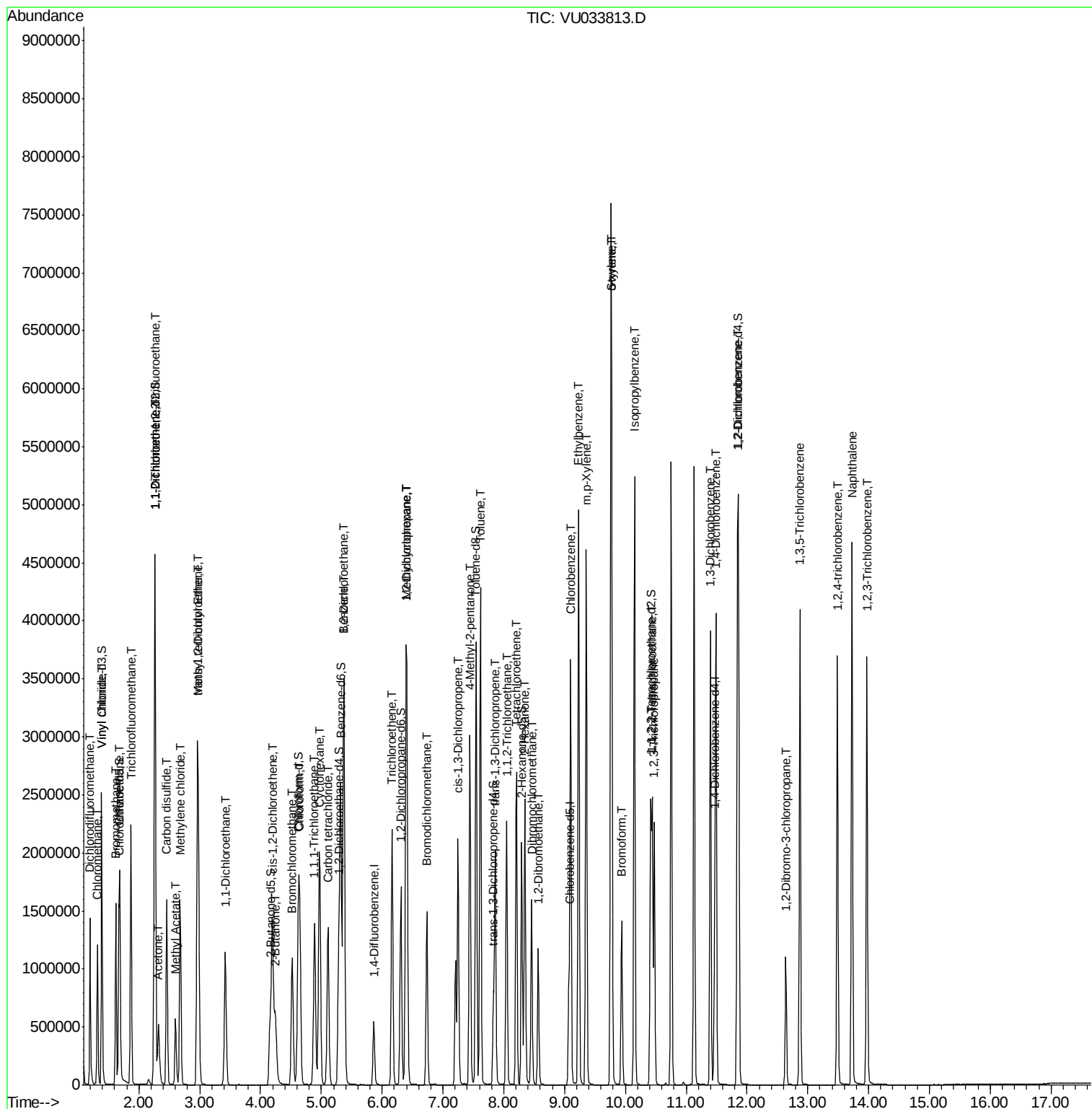
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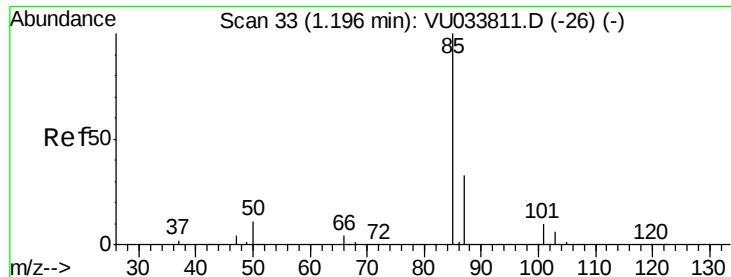
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#2

Dichlorodifluoromethane

Concen: 235.618 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033813.D

Acq: 15 Aug 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

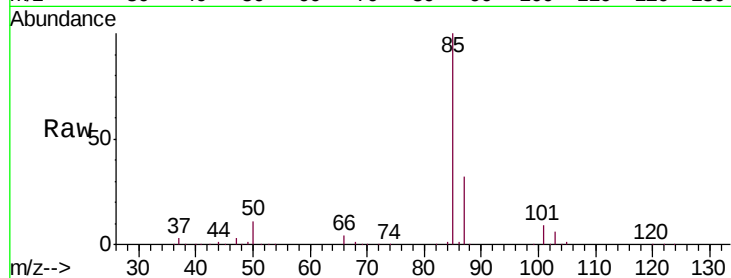
VSTD20032

Tgt Ion: 85 Resp: 851462

Ion Ratio Lower Upper

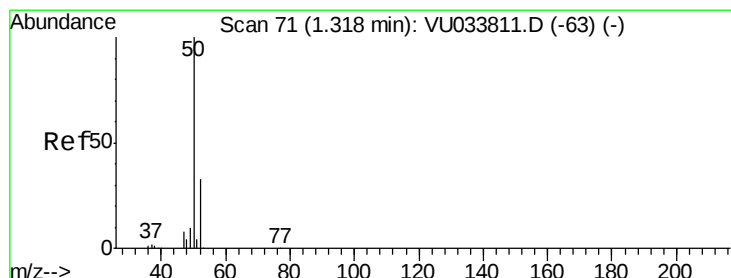
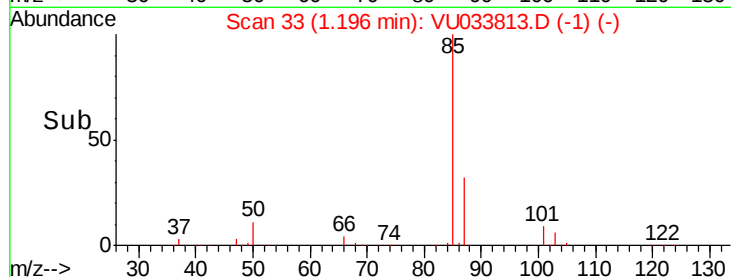
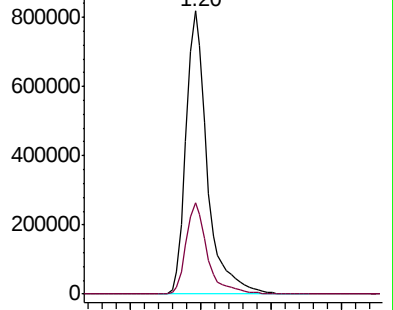
85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU033813.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033813.D (-26) (-)



#3

Chloromethane

Concen: 234.174 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033813.D

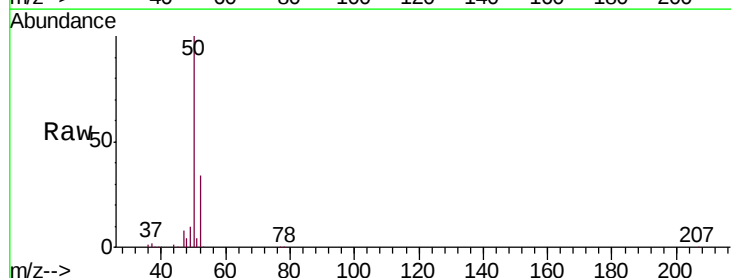
Acq: 15 Aug 2019 16:13

Tgt Ion: 50 Resp: 871555

Ion Ratio Lower Upper

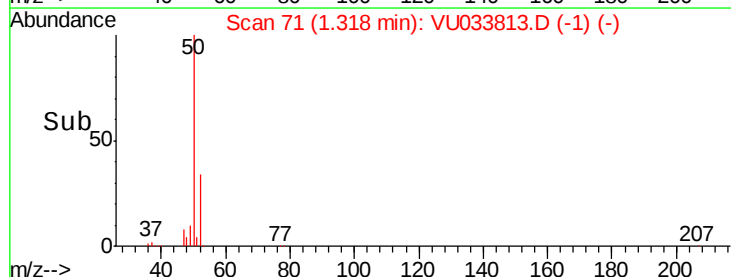
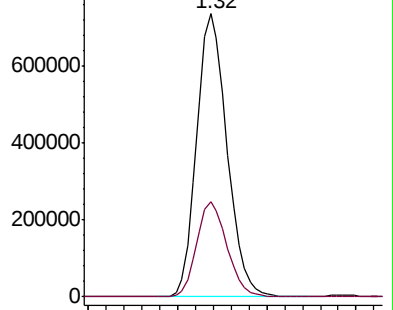
50 100

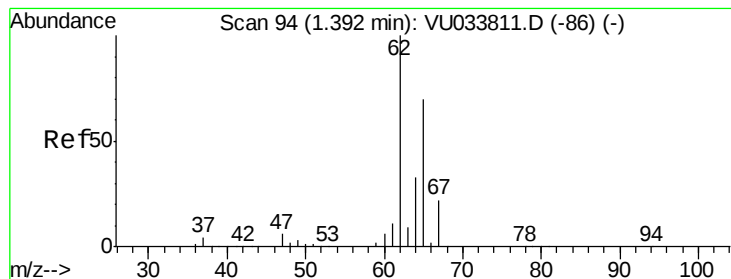
52 33.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033813.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033813.D (-1) (-)





#5

Vinyl chloride

Concen: 240.083 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033813.D

Acq: 15 Aug 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

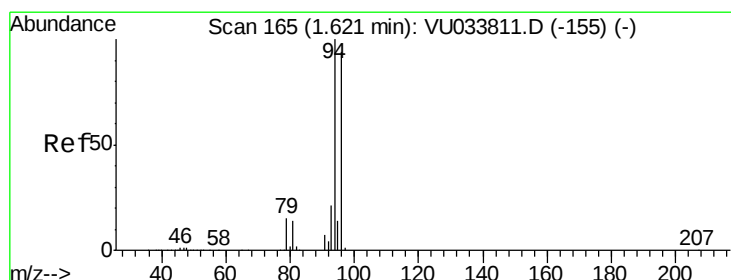
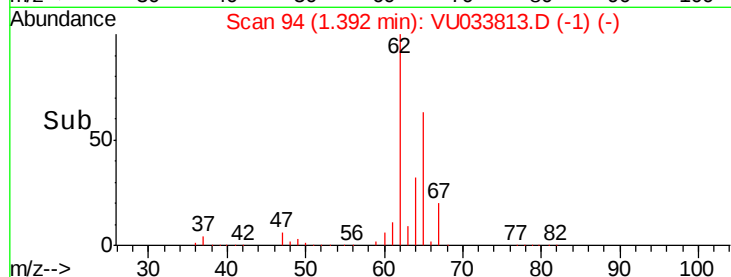
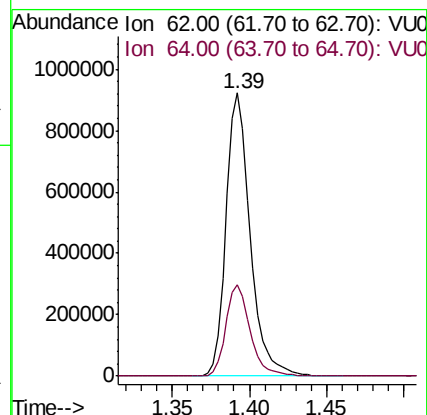
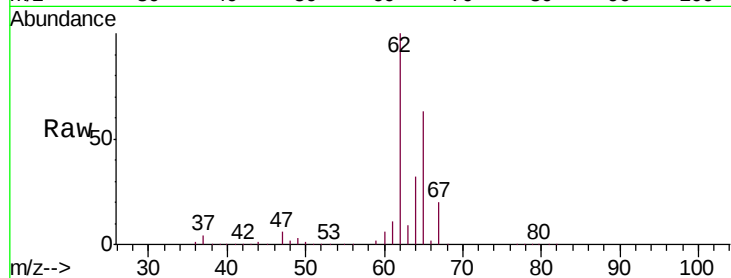
VSTD20032

Tgt Ion: 62 Resp: 996177

Ion Ratio Lower Upper

62 100

64 32.4 23.3 43.3



#6

Bromomethane

Concen: 197.936 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033813.D

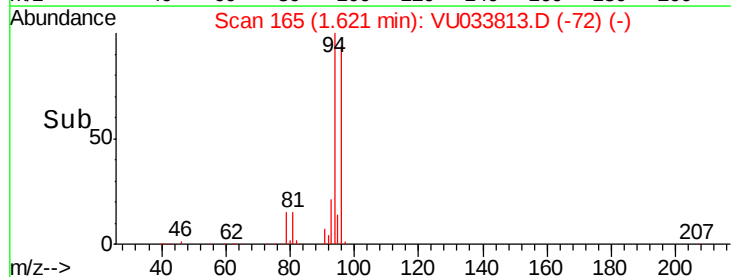
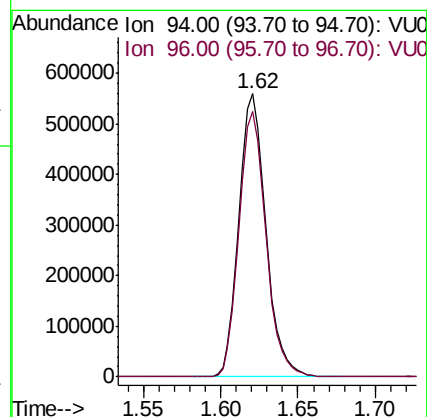
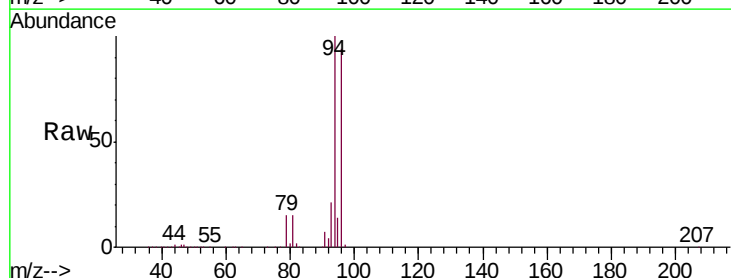
Acq: 15 Aug 2019 16:13

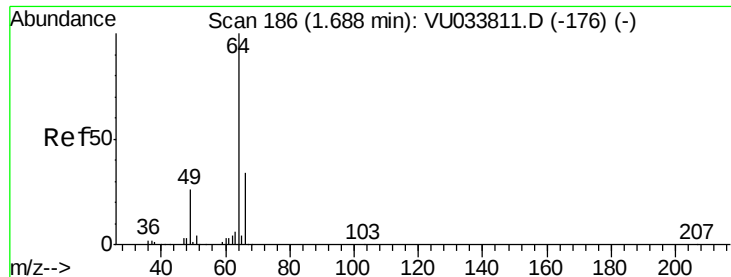
Tgt Ion: 94 Resp: 674448

Ion Ratio Lower Upper

94 100

96 93.7 65.9 122.3





#8

Chloroethane

Concen: 315.942 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033813.D

Acq: 15 Aug 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

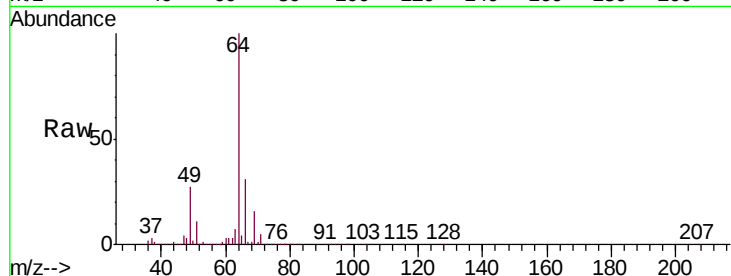
VSTD20032

Tgt Ion: 64 Resp: 966007

Ion Ratio Lower Upper

64 100

66 31.1 23.9 44.3



Abundance Ion 64.00 (63.70 to 64.70): VU033811.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033811.D (-176) (-)

1.68

800000

600000

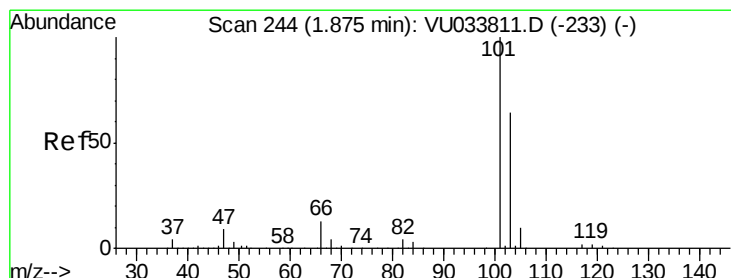
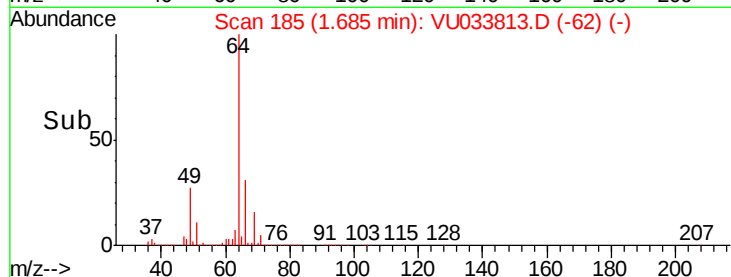
400000

200000

0

1.60 1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 237.816 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.01 min

Lab File: VU033813.D

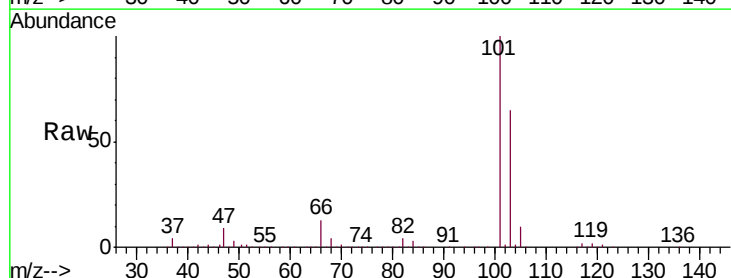
Acq: 15 Aug 2019 16:13

Tgt Ion: 101 Resp: 1324804

Ion Ratio Lower Upper

101 100

103 64.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033811.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033811.D (-233) (-)

1.87

1000000

800000

600000

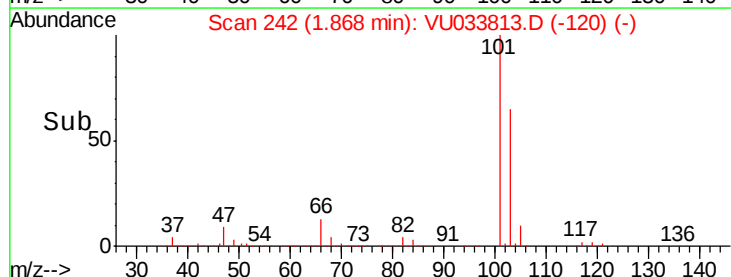
400000

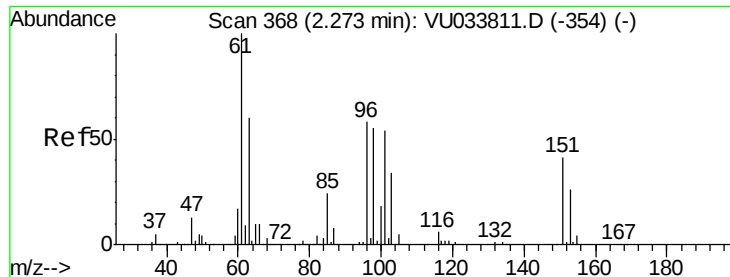
200000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 217.819 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033813.D

Acq: 15 Aug 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

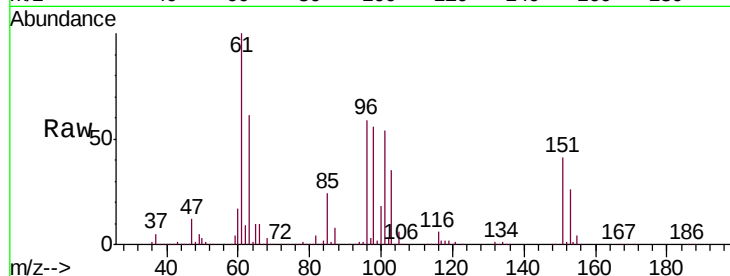
Tgt Ion: 101 Resp: 626582

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

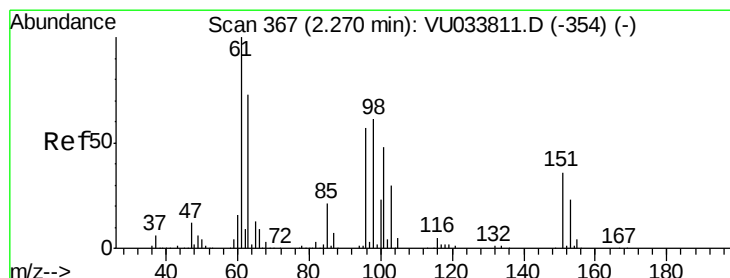
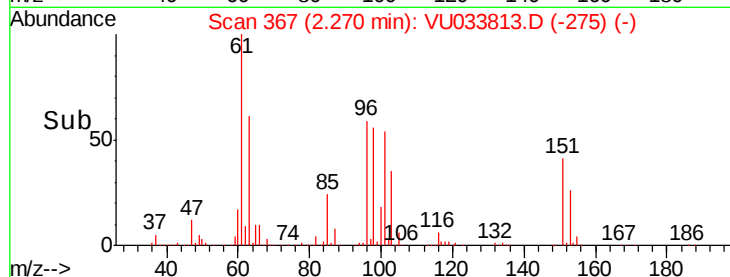
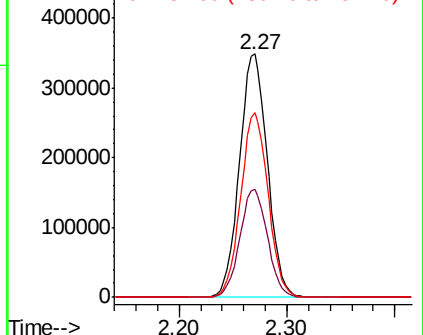
151 74.7 60.4 90.6



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: 219.588 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033813.D

Acq: 15 Aug 2019 16:13

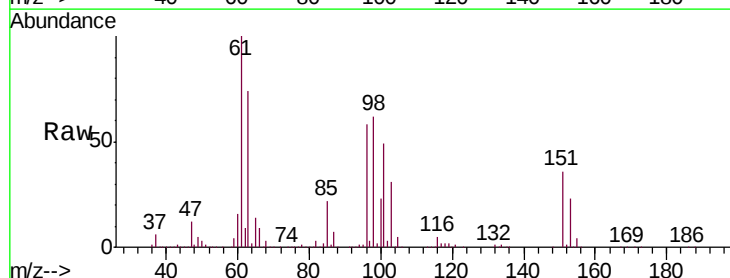
Tgt Ion: 96 Resp: 620861

Ion Ratio Lower Upper

96 100

61 173.3 123.7 229.7

63 127.6 91.2 169.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

