

Data File : VU029392.D
Acq On : 11 Feb 2019 12:10
Operator : JC/SP
Sample : VSTD02048
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02048

Quant Time: Feb 12 01:02:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 00:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	233258	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	224089	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	130073	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	349448	16.40	ug/L	0.00
7) Chloroethane-d5	1.68	69	293513	18.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	723441	18.82	ug/L	0.00
20) 2-Butanone-d5	4.19	46	646622	151.68	ug/L	0.00
24) Chloroform-d	4.65	84	552310	16.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	271020	14.41	ug/L	0.00
32) Benzene-d6	5.34	84	1135889	18.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	329900	17.68	ug/L	0.00
41) Toluene-d8	7.56	98	1142551	19.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	158199	19.14	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	674487	178.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	280892	17.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	494506	19.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	382093	12.850 ug/L	99
3) Chloromethane	1.32	50	353048	13.327 ug/L	100
5) Vinyl chloride	1.40	62	404612	14.942 ug/L	100
6) Bromomethane	1.62	94	347853	23.147 ug/L	100
8) Chloroethane	1.69	64	248257	16.197 ug/L	96
9) Trichlorofluoromethane	1.88	101	627277	17.152 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	372450	19.532 ug/L	98
12) 1,1-Dichloroethene	2.28	96	346726	19.703 ug/L	92
13) Acetone	2.33	43	488334	149.416 ug/L	99
14) Carbon disulfide	2.47	76	1156658	18.982 ug/L	100
15) Methyl Acetate	2.62	43	133743	16.711 ug/L	98
16) Methylene chloride	2.70	84	354266	17.176 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	867203	19.062 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	372320	19.354 ug/L	99
19) 1,1-Dichloroethane	3.44	63	493921	14.547 ug/L	99
21) 2-Butanone	4.28	43	638603	138.283 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	335310	17.849 ug/L	97
23) Bromochloromethane	4.55	128	154628	18.019 ug/L	97
25) Chloroform	4.67	83	540046	15.794 ug/L	100
27) 1,2-Dichloroethane	5.41	62	319561	13.988 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	496185	16.751 ug/L	99
30) Cyclohexane	4.99	56	471048	17.504 ug/L	97
31) Carbon tetrachloride	5.13	117	465488	18.294 ug/L	99
33) Benzene	5.39	78	1166356	17.139 ug/L	100
34) Trichloroethene	6.18	95	335751	18.330 ug/L	98
35) Methylcyclohexane	6.41	83	557388	18.764 ug/L	99
37) 1,2-Dichloropropane	6.43	63	289246	16.217 ug/L	100
38) Bromodichloromethane	6.76	83	400433	16.809 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	487197	18.711 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1665244	156.464 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1338338	18.071	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	403494	17.963	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	220588	16.970	ug/L	98
47) Tetrachloroethene	8.22	164	315371	19.465	ug/L	98
48) 2-Hexanone	8.36	43	1212609	157.943	ug/L	99
49) Dibromochloromethane	8.48	129	324615	19.656	ug/L	98
50) 1,2-Dibromoethane	8.58	107	224529	17.790	ug/L	100
51) Chlorobenzene	9.12	112	912304	18.511	ug/L	99
52) Ethylbenzene	9.25	91	1537038	18.762	ug/L	100
53) m,p-xylene	9.37	106	618544	19.735	ug/L	98
54) o-xylene	9.78	106	606049	20.156	ug/L	99
55) Styrene	9.79	104	1037257	20.107	ug/L	100
56) Isopropylbenzene	10.16	105	1618028	20.024	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	278422	16.471	ug/L	94
59) 1,2,3-Trichloropropane	10.49	75	186339	15.294	ug/L	99
61) Bromoform	9.95	173	211686	19.646	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	821493	18.997	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	829912	18.111	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	767792	18.251	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	50530	17.163	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	701119	19.328	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	635701	20.670	ug/L	99
69) Naphthalene	13.74	128	1025666	20.993	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	571867	20.175	ug/L	98

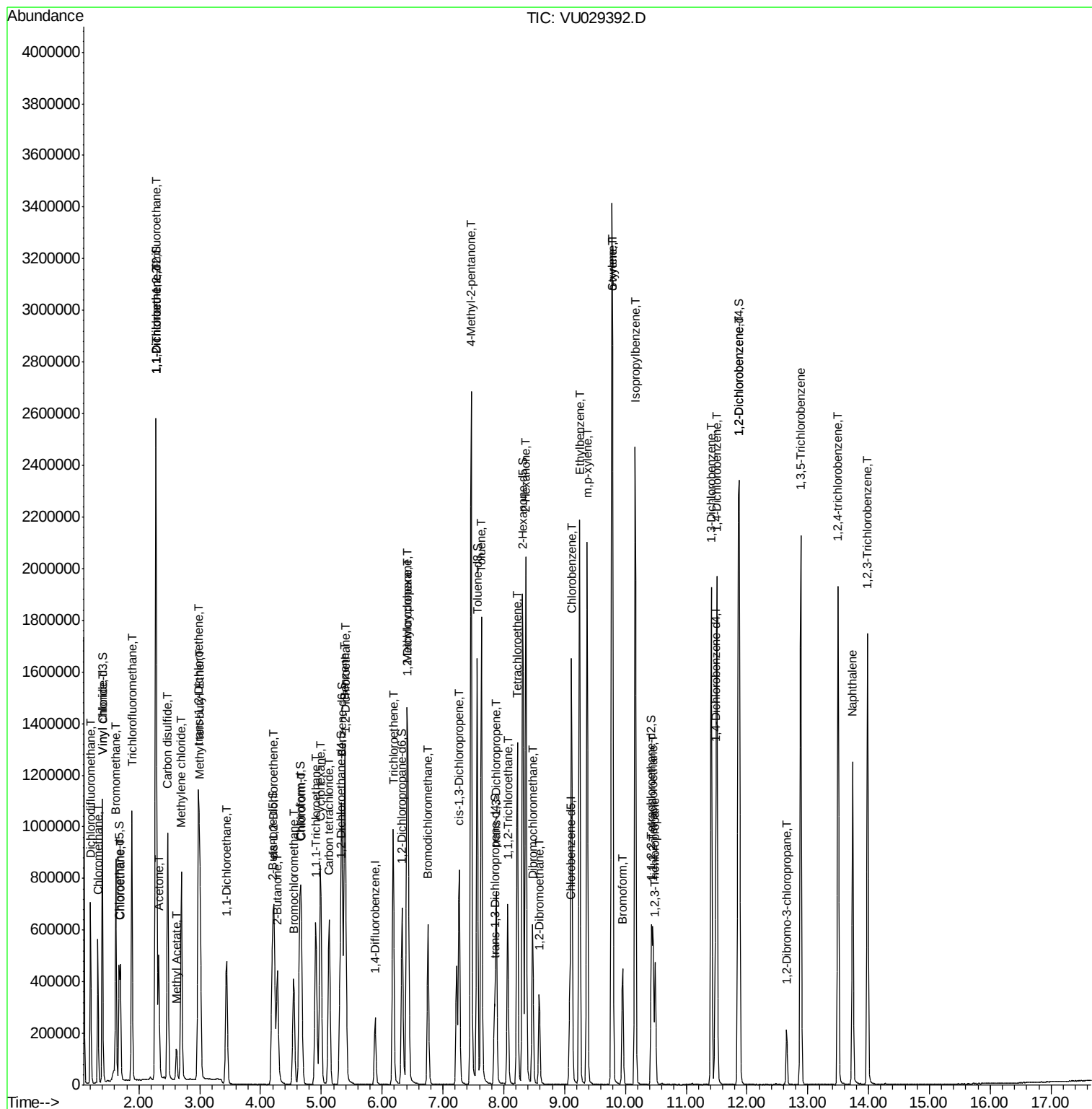
(#) = qualifier out of range (m) = manual integration (+) = signals summed

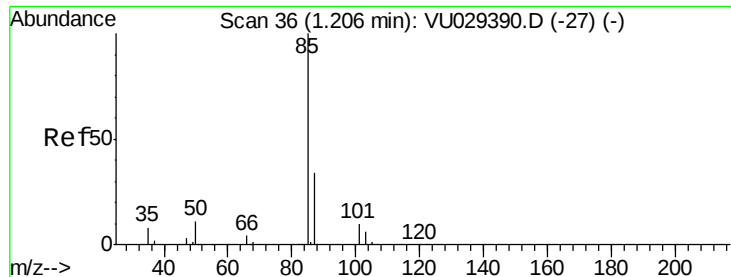
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#2

Dichlorodifluoromethane

Concen: 12.850 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029392.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

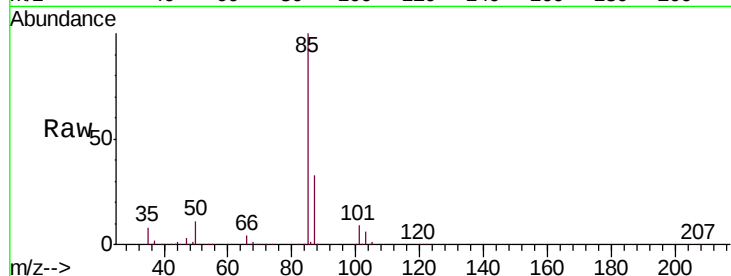
VSTD02048

Tgt Ion: 85 Resp: 382093

Ion Ratio Lower Upper

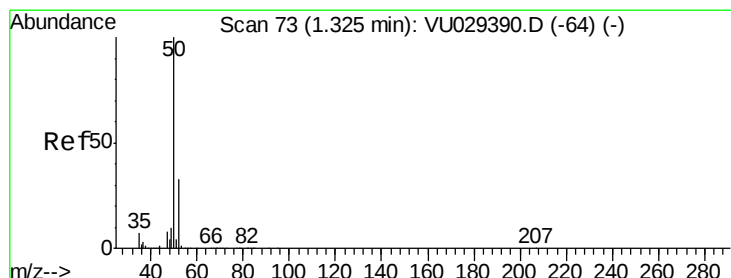
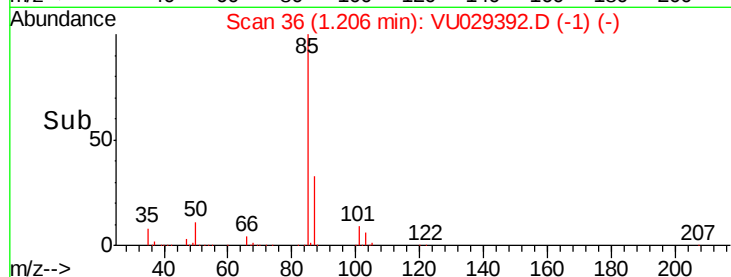
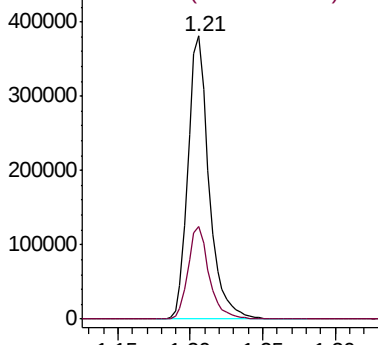
85 100

87 32.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 13.327 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029392.D

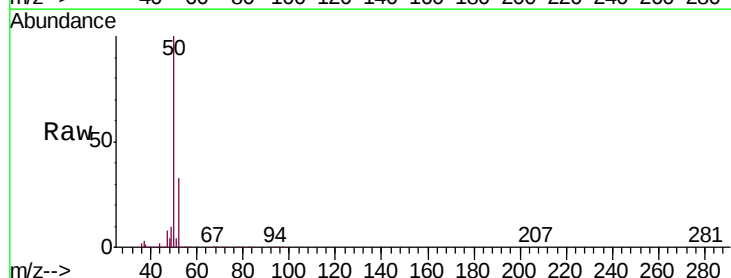
Acq: 11 Feb 2019 12:10

Tgt Ion: 50 Resp: 353048

Ion Ratio Lower Upper

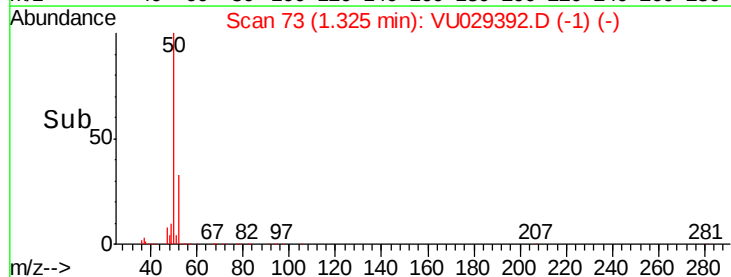
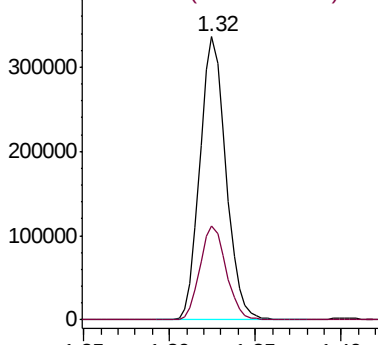
50 100

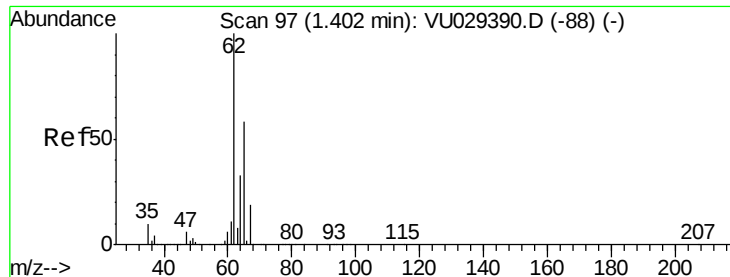
52 33.3 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 14.942 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029392.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

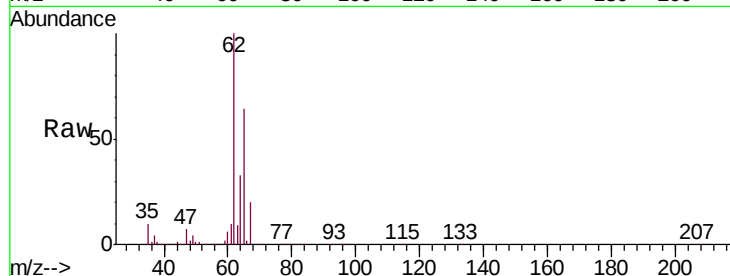
VSTD02048

Tgt Ion: 62 Resp: 404612

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

400000

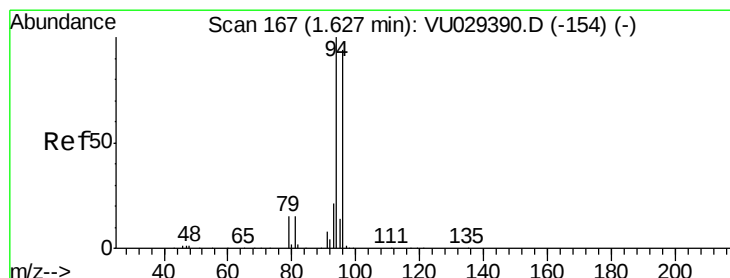
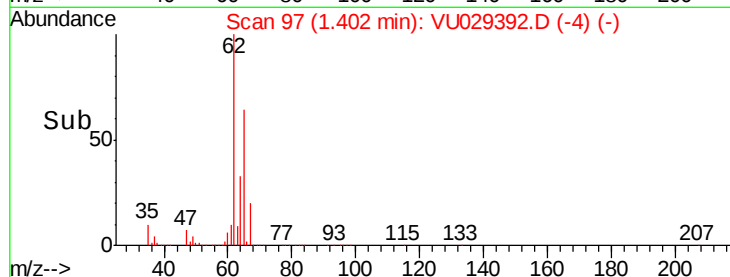
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 23.147 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.01 min

Lab File: VU029392.D

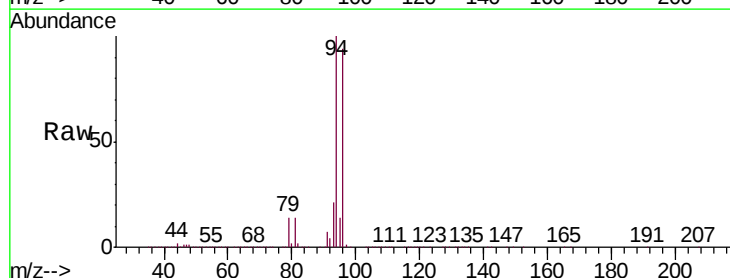
Acq: 11 Feb 2019 12:10

Tgt Ion: 94 Resp: 347853

Ion Ratio Lower Upper

94 100

96 94.0 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

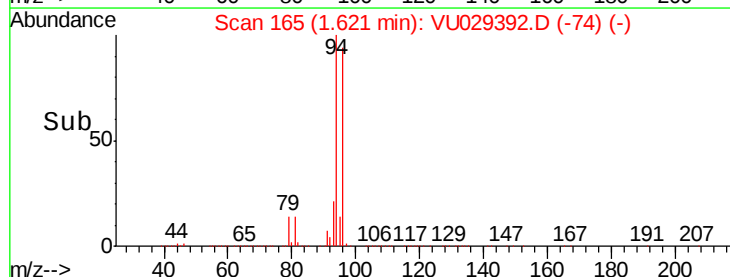
300000

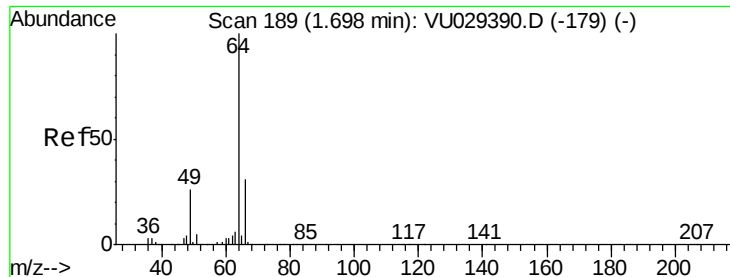
200000

100000

0

Time-->





#8

Chloroethane

Concen: 16.197 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029392.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

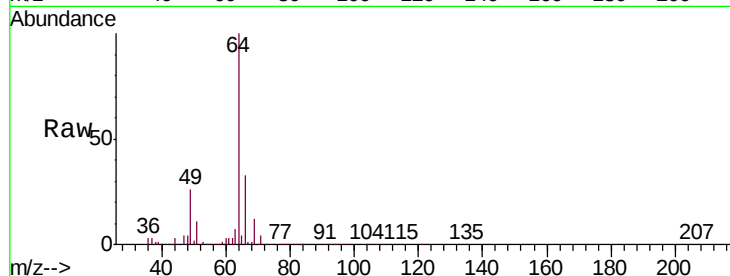
VSTD02048

Tgt Ion: 64 Resp: 248257

Ion Ratio Lower Upper

64 100

66 33.3 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU029390.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU029390.D (-179) (-)

1.69

200000

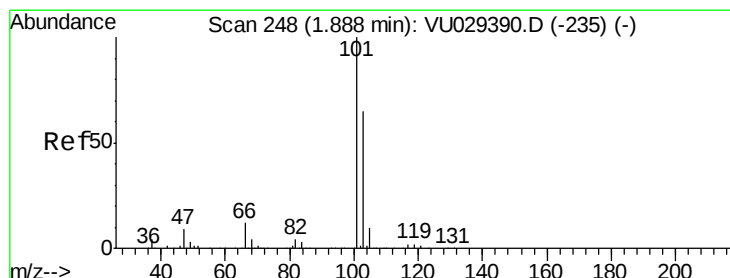
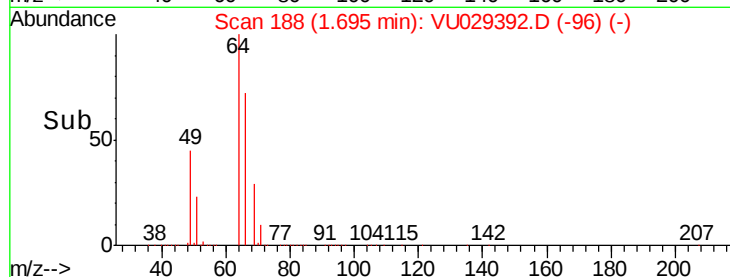
150000

100000

50000

0

Time--> 1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 17.152 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029392.D

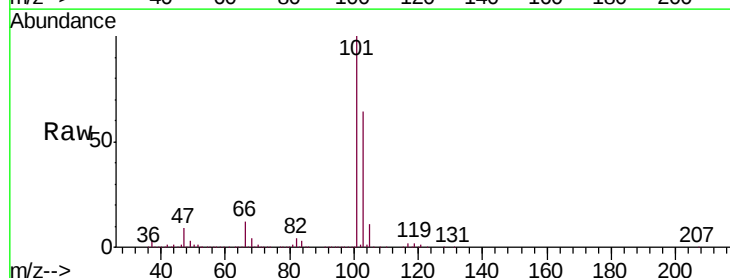
Acq: 11 Feb 2019 12:10

Tgt Ion: 101 Resp: 627277

Ion Ratio Lower Upper

101 100

103 64.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU029390.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU029390.D (-235) (-)

1.88

500000

400000

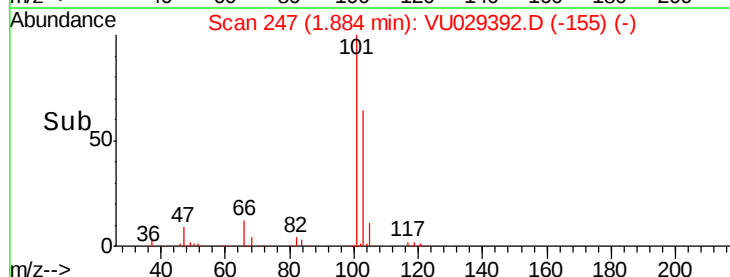
300000

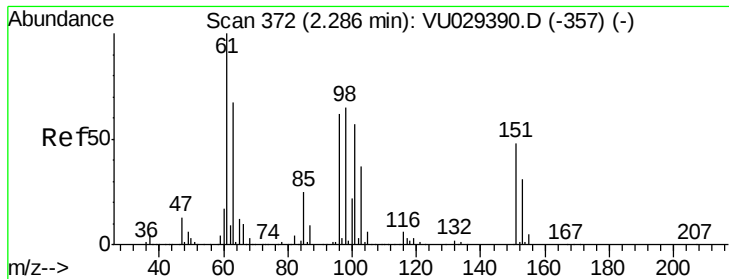
200000

100000

0

Time--> 1.80 1.90 2.00





#10

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

Concen: 19.532 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029392.D

Acq: 11 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD02048

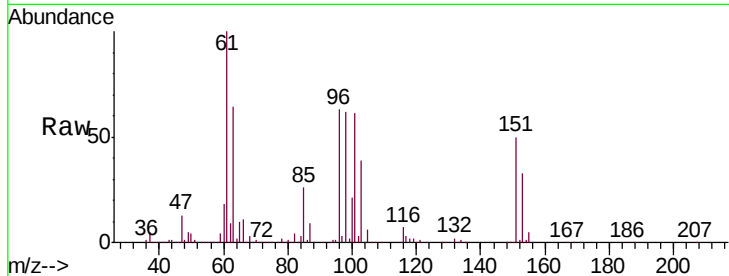
Tgt Ion: 101 Resp: 372450

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

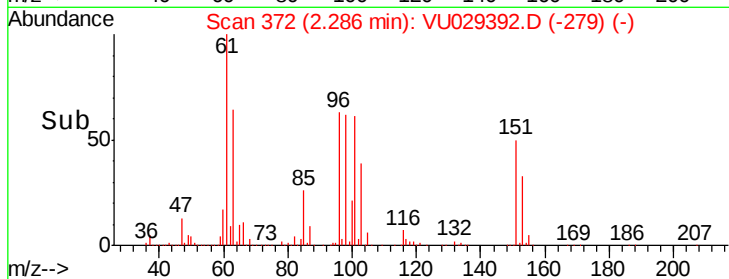
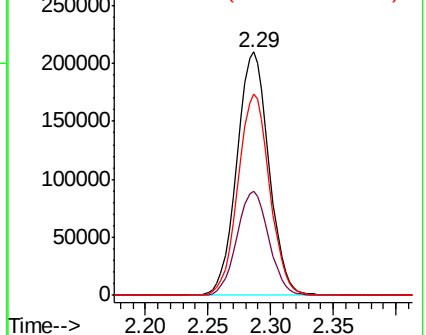
151 81.7 67.0 100.4



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: 19.703 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029392.D

Acq: 11 Feb 2019 12:10

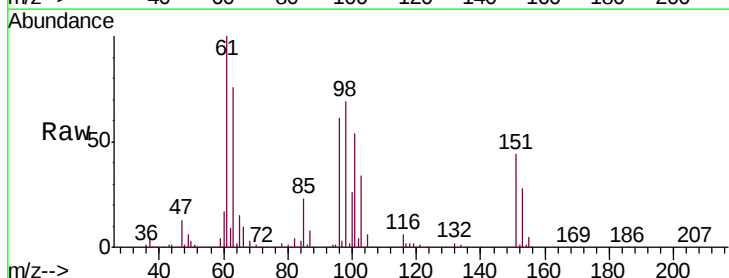
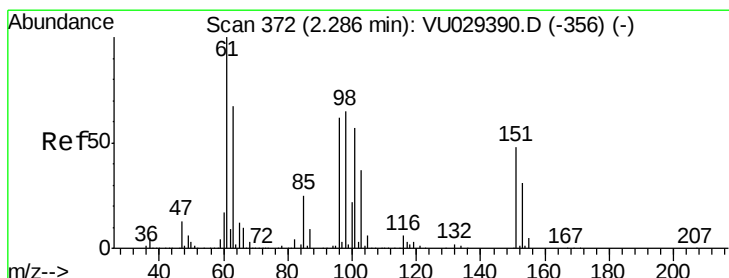
Tgt Ion: 96 Resp: 346726

Ion Ratio Lower Upper

96 100

61 163.2 112.4 208.8

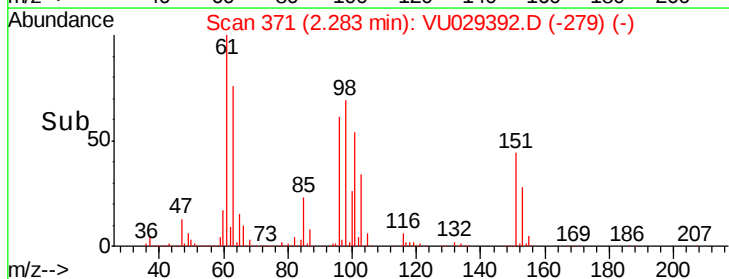
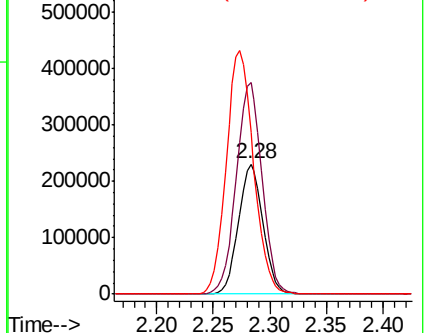
63 124.8 75.5 140.3

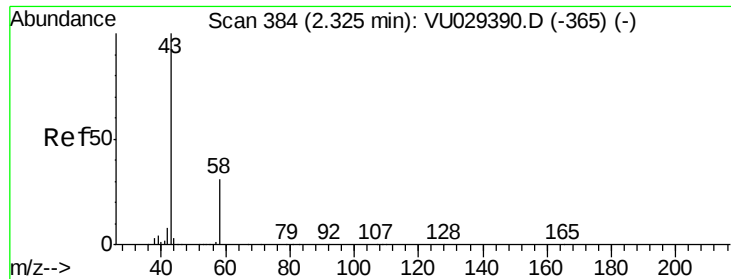


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 149.416 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

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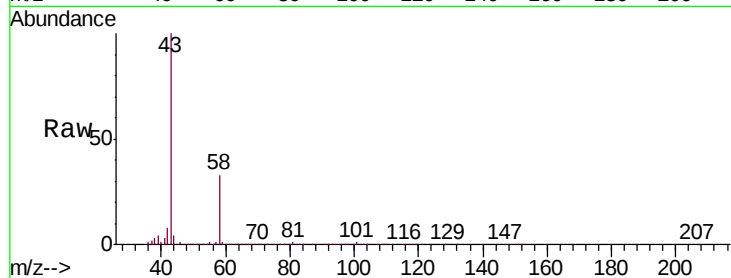
VSTD02048

Tgt Ion: 43 Resp: 488334

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU029392.D (-365) (-)

Ion 58.05 (57.75 to 58.75): VU029392.D (-365) (-)

2.33

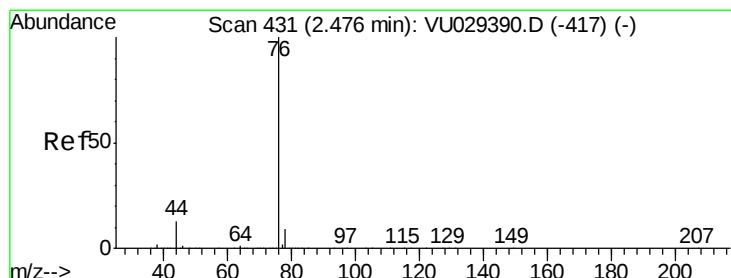
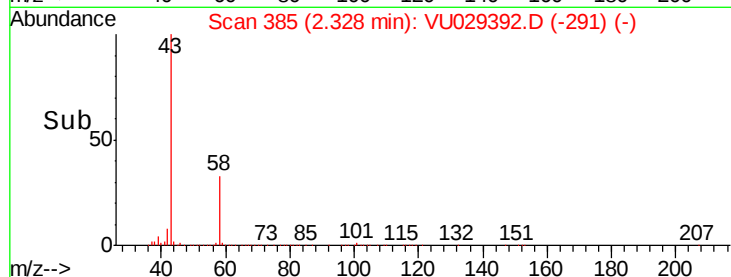
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 18.982 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029392.D

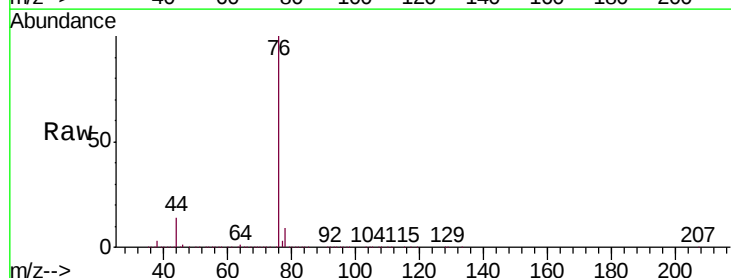
Acq: 11 Feb 2019 12:10

Tgt Ion: 76 Resp: 1156658

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU029392.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029392.D (-417) (-)

2.47

800000

600000

400000

200000

0

Time-->

