

Data File : VU031875.D
Acq On : 09 May 2019 16:40
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: May 10 03:41:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 10 03:36:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	450073	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	458610	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	119024	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.68	69	110045	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	275883	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.21	46	563966	47.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.18%
24) Chloroform-d	4.64	84	278075	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.31	65	150191	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	5.33	84	490102	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.32	67	179926	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.40%
41) Toluene-d8	7.56	98	425791	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.85	79	62393	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	373277	48.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	149974	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	149122	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	241234	4.656	ug/L 100
3) Chloromethane	1.32	50	287511	4.656	ug/L 100
5) Vinyl chloride	1.40	62	267878	4.963	ug/L 100
6) Bromomethane	1.63	94	134769	5.439	ug/L 95
8) Chloroethane	1.70	64	156301	5.258	ug/L 100
9) Trichlorofluoromethane	1.88	101	311497	4.990	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	176582	5.435	ug/L 97
12) 1,1-Dichloroethene	2.28	96	166866	5.454	ug/L 84
13) Acetone	2.34	43	429015	52.450	ug/L 94
14) Carbon disulfide	2.47	76	542146	5.034	ug/L 99
15) Methyl Acetate	2.62	43	107124	5.076	ug/L 98
16) Methylene chloride	2.69	84	195014	4.594	ug/L 97
17) Methyl tert-butyl Ether	3.00	73	481584	5.284	ug/L 96
18) trans-1,2-Dichloroethene	2.97	96	177100	5.371	ug/L 88
19) 1,1-Dichloroethane	3.44	63	403968	4.981	ug/L 99
21) 2-Butanone	4.29	43	699638	51.185	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	205538	5.190	ug/L 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	85169	5.359	ug/L	88
25) Chloroform	4.67	83	382735	4.795	ug/L	99
27) 1,2-Dichloroethane	5.40	62	248299	4.714	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	302378	4.811	ug/L	98
30) Cyclohexane	4.98	56	347370	5.047	ug/L	98
31) Carbon tetrachloride	5.13	117	256375	4.790	ug/L	98
33) Benzene	5.38	78	828281	5.180	ug/L	100
34) Trichloroethene	6.18	95	207950	5.158	ug/L	95
35) Methylcyclohexane	6.41	83	304916	5.265	ug/L	97
37) 1,2-Dichloropropane	6.43	63	229011	5.004	ug/L	99
38) Bromodichloromethane	6.75	83	266026	4.881	ug/L	90
39) cis-1,3-Dichloropropene	7.27	75	286922	5.003	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1590935	51.656	ug/L	97
42) Toluene	7.63	91	872396	5.525	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	233815	5.148	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	143944	5.309	ug/L	98
47) Tetrachloroethene	8.22	164	142211	5.425	ug/L	95
48) 2-Hexanone	8.36	43	1164127	53.182	ug/L	98
49) Dibromochloromethane	8.47	129	164112	5.204	ug/L	96
50) 1,2-Dibromoethane	8.59	107	136608	5.536	ug/L	100
51) Chlorobenzene	9.12	112	494845	5.273	ug/L	95
52) Ethylbenzene	9.24	91	892099	5.416	ug/L	99
53) m,p-Xylene	9.37	106	328255	5.599	ug/L	100
54) o-Xylene	9.77	106	322058	5.744	ug/L	95
55) Styrene	9.79	104	567463	5.897	ug/L	95
56) Isopropylbenzene	10.16	105	842523	5.613	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.45	83	180622	4.987	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	138965	5.130	ug/L	98
61) Bromoform	9.95	173	87958	5.305	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	356158	5.412	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	365535	5.477	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	354944	5.529	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	27290	4.522	ug/L #	76
67) 1,3,5-Trichlorobenzene	12.88	180	273946	5.479	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	207862	5.629	ug/L	97
69) Naphthalene	13.74	128	351971	5.557	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	205340	5.973	ug/L	98

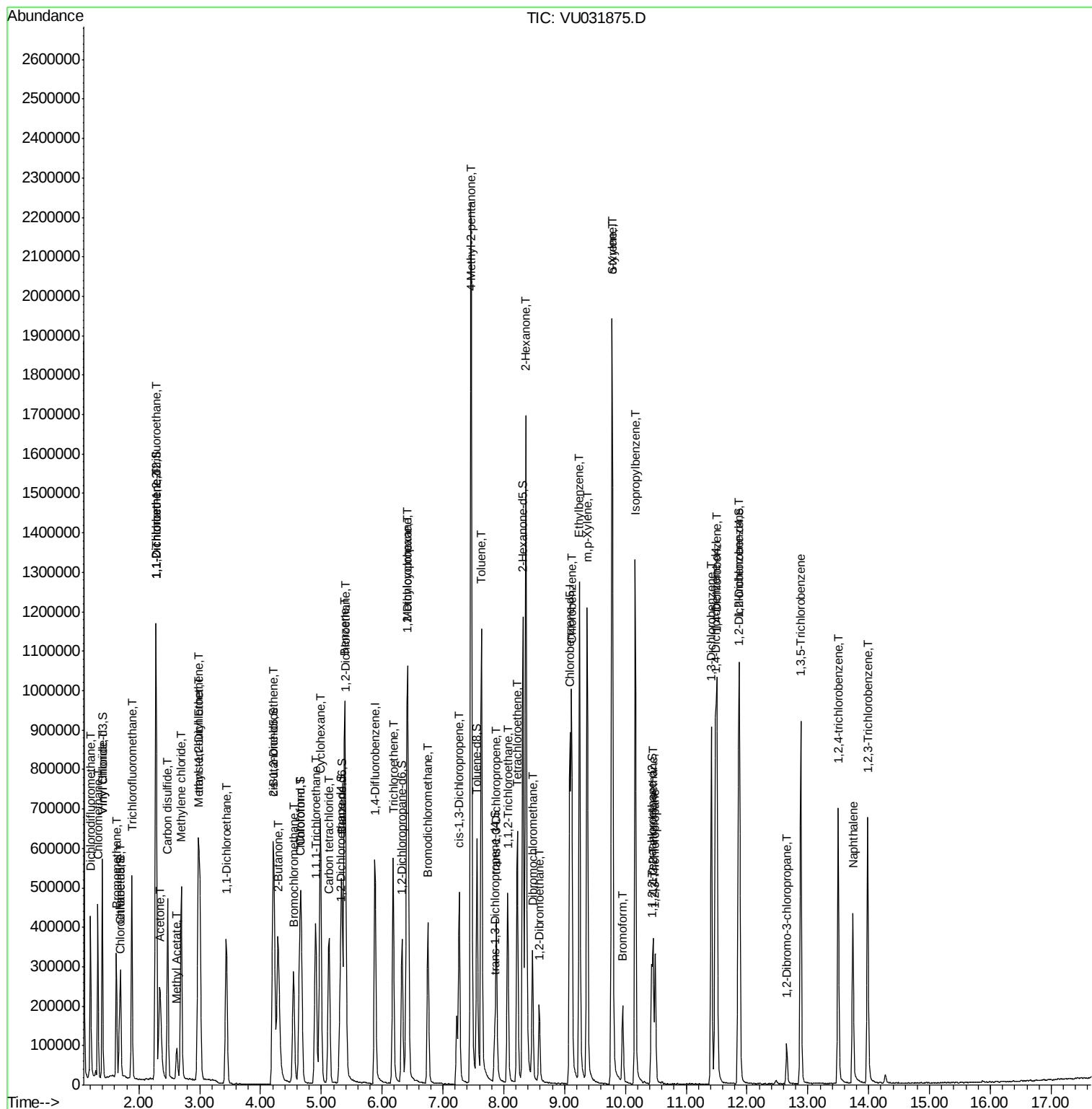
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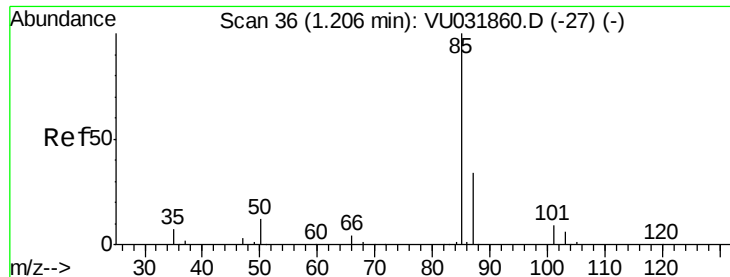
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#2

Dichlorodifluoromethane

Concen: 4.656 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031875.D

Acq: 09 May 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

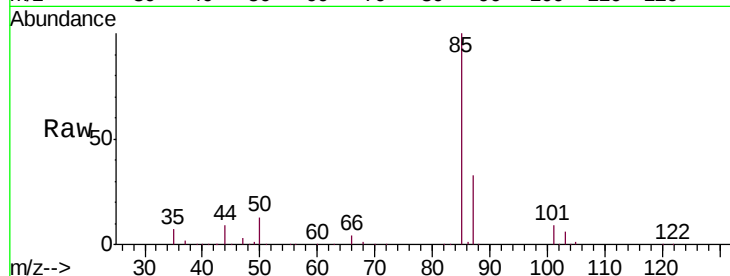
VSTD00526

Tgt Ion: 85 Resp: 241234

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU031860.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031860.D (-27) (-)

1.20

250000

200000

150000

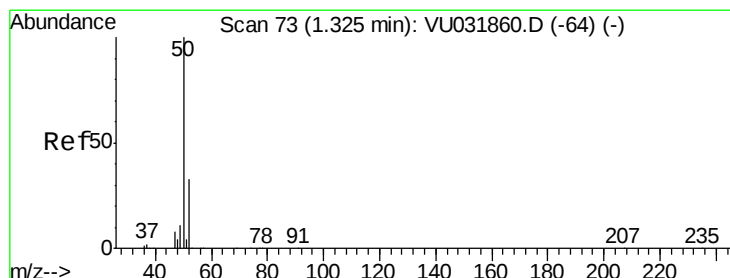
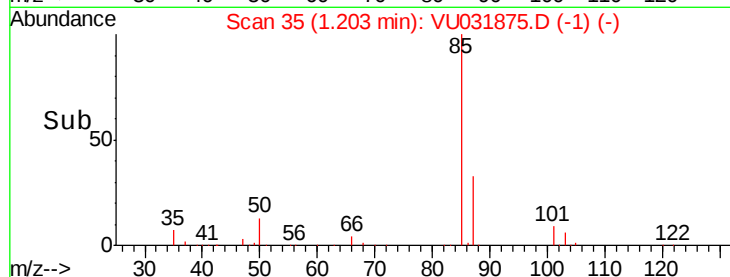
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 4.656 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031875.D

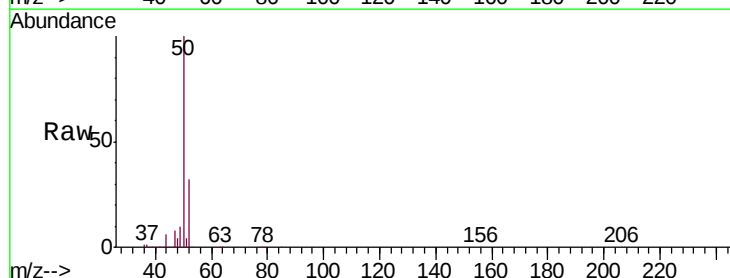
Acq: 09 May 2019 16:40

Tgt Ion: 50 Resp: 287511

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU031860.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031860.D (-64) (-)

1.32

300000

250000

200000

150000

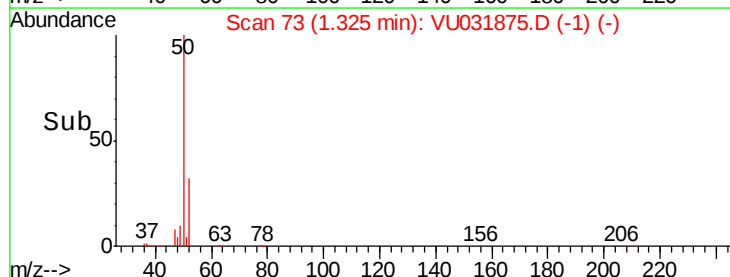
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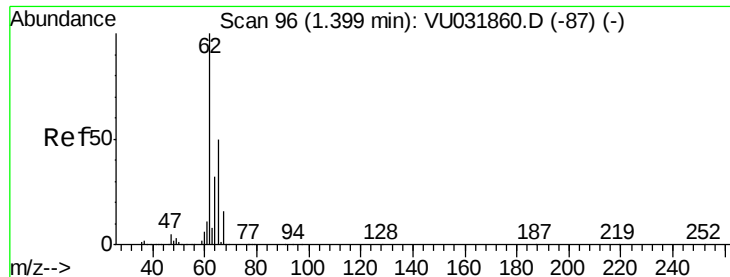
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 4.963 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031875.D

Acq: 09 May 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

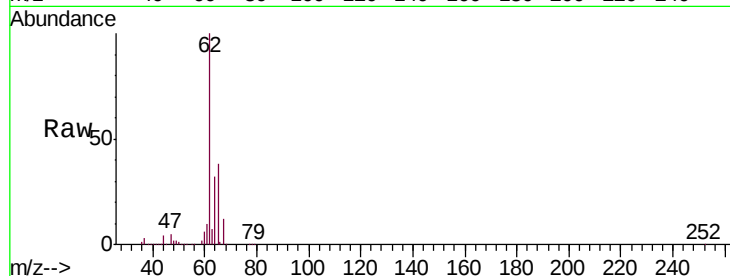
VSTD00526

Tgt Ion: 62 Resp: 267878

Ion Ratio Lower Upper

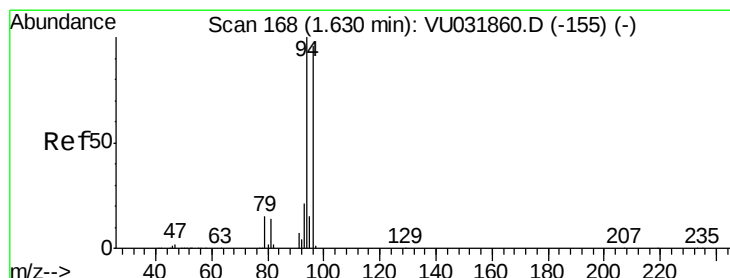
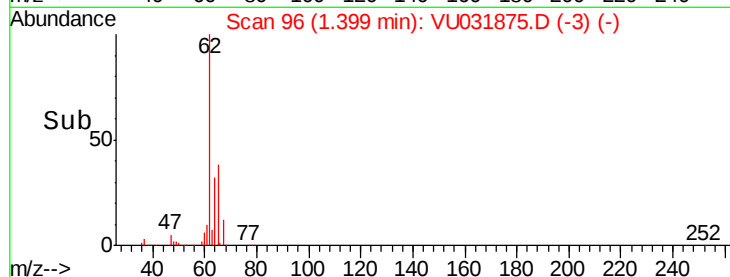
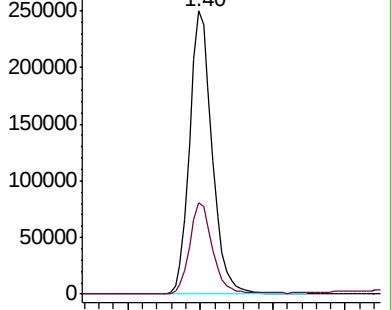
62 100

64 32.1 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU031860.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031860.D (-87) (-)



#6

Bromomethane

Concen: 5.439 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031875.D

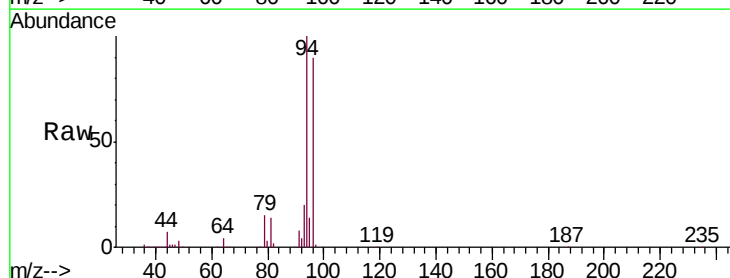
Acq: 09 May 2019 16:40

Tgt Ion: 94 Resp: 134769

Ion Ratio Lower Upper

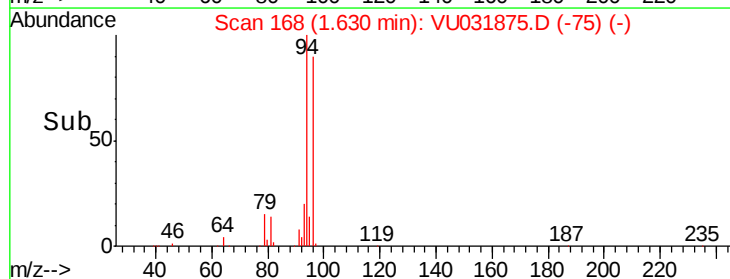
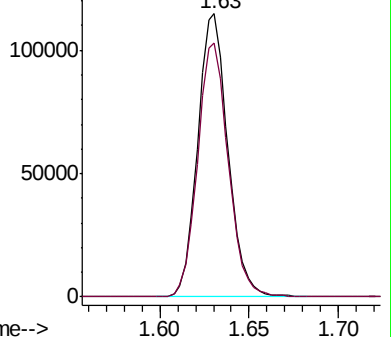
94 100

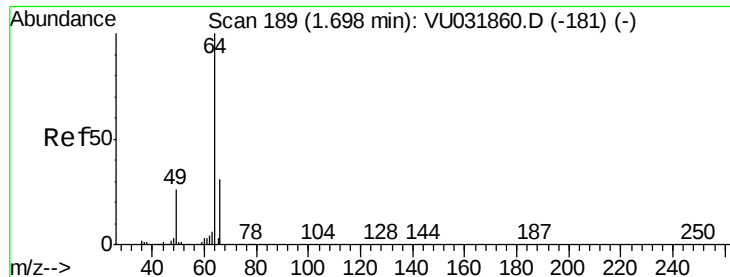
96 89.9 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU031860.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU031860.D (-155) (-)

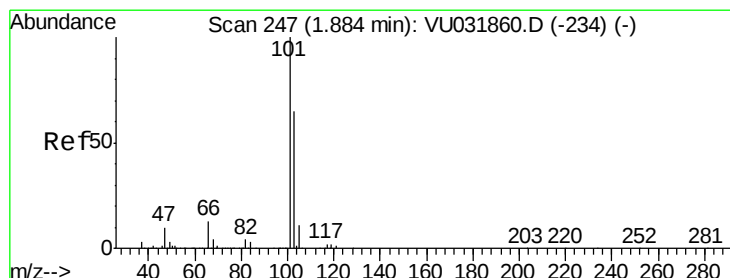
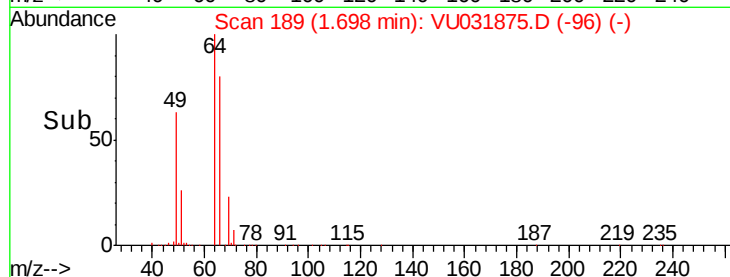
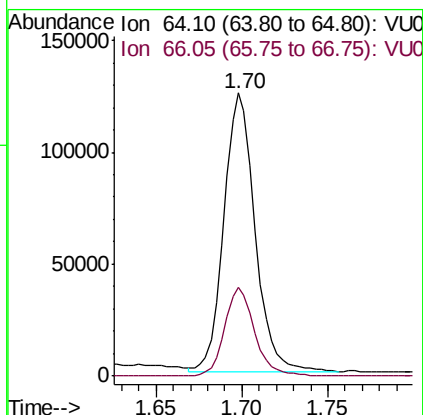
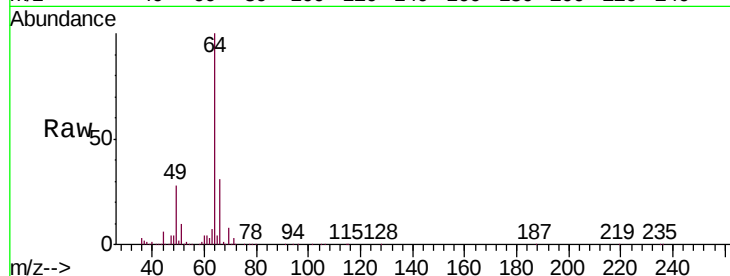




#8
Chloroethane
Concen: 5.258 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031875.D
Acq: 09 May 2019 16:40

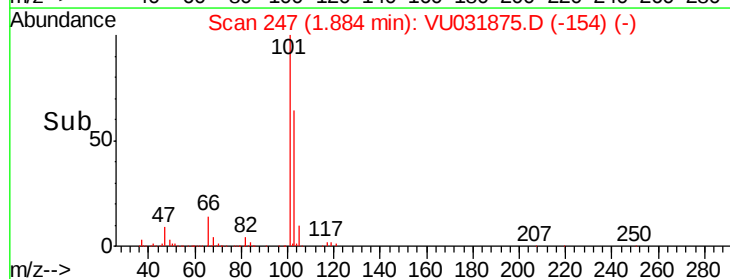
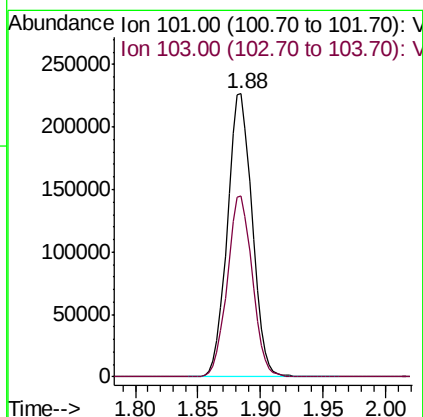
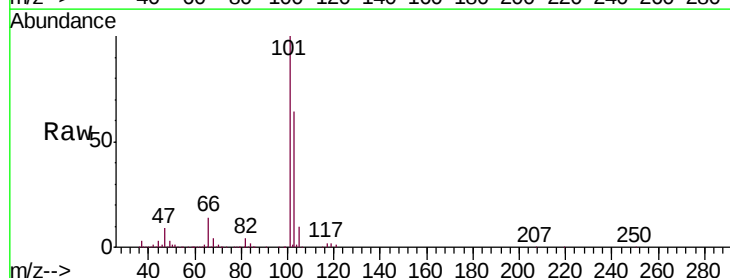
Instrument :
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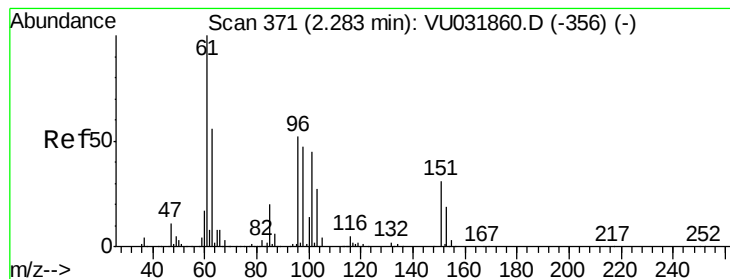
Tgt Ion: 64 Resp: 156301
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.990 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031875.D
Acq: 09 May 2019 16:40

Tgt Ion: 101 Resp: 311497
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1





#10

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

Concen: 5.435 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031875.D

Acq: 09 May 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

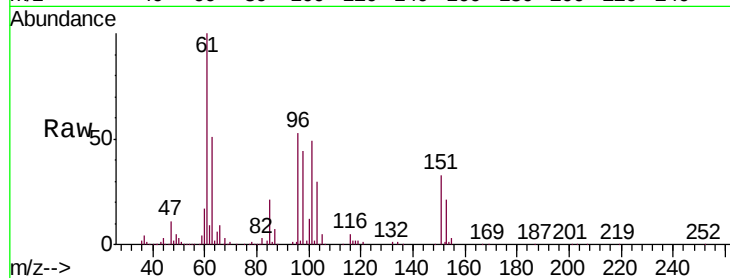
Tgt Ion: 101 Resp: 176582

Ion Ratio Lower Upper

101 100

85 45.1 40.0 60.0

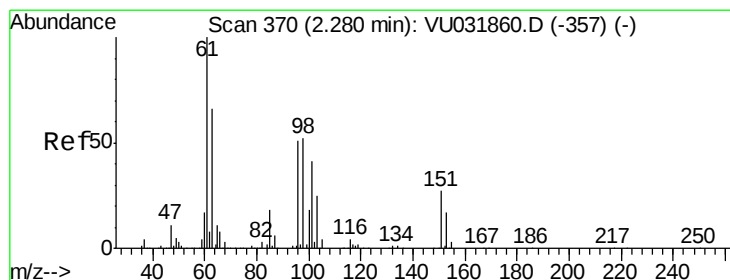
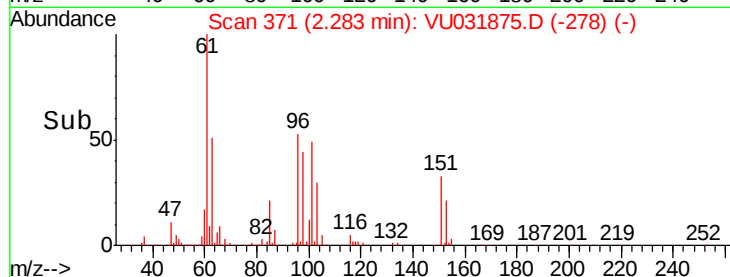
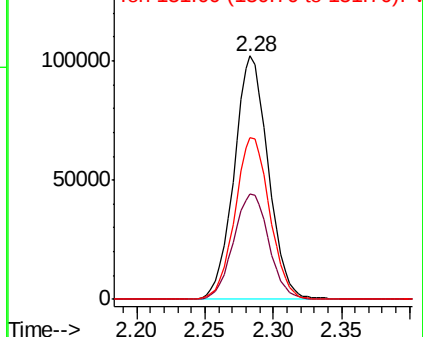
151 67.8 54.6 82.0



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: 5.454 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031875.D

Acq: 09 May 2019 16:40

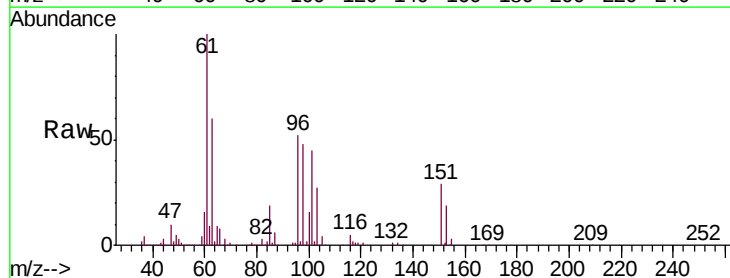
Tgt Ion: 96 Resp: 166866

Ion Ratio Lower Upper

96 100

61 193.4 149.0 276.6

63 115.5 99.8 185.4



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

