

Data File : VU034791.D
Acq On : 24 Sep 2019 23:04
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Quant Time: Sep 25 03:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	589826	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	547172	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	258605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	205423	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.04%
7) Chloroethane-d5	1.67	69	182332	39.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.14%
11) 1,1-Dichloroethene-d2	2.26	63	404057	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
21) 2-Butanone-d5	4.15	46	471814	101.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.95%
24) Chloroform-d	4.62	84	404818	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.28	65	272773	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.54%
32) Benzene-d6	5.32	84	808436	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
36) 1,2-Dichloropropane-d6	6.31	67	286724	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.54	98	778834	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.83	79	131854	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.88%
47) 2-Hexanone-d5	8.29	63	318886	107.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.11%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	407408	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	275190	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	271969	44.738	ug/L 100
3) Chloromethane	1.32	50	334069	45.877	ug/L 99
5) Vinyl chloride	1.40	62	314765	47.328	ug/L 99
6) Bromomethane	1.62	94	176917	48.706	ug/L 94
8) Chloroethane	1.69	64	190904	49.860	ug/L 95
9) Trichlorofluoromethane	1.87	101	397282	47.375	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	196153	48.785	ug/L 94
12) 1,1-Dichloroethene	2.27	96	201807	52.295	ug/L 82
13) Acetone	2.31	43	312106	57.977	ug/L 94
14) Carbon disulfide	2.46	76	620544	47.658	ug/L 99
15) Methyl Acetate	2.60	43	357759	49.751	ug/L 99
16) Methylene chloride	2.68	84	245855	50.295	ug/L 94
17) trans-1,2-Dichloroethene	2.96	96	217629	51.581	ug/L 82
18) Methyl tert-butyl Ether	2.98	73	771639	49.297	ug/L 96
19) 1,1-Dichloroethane	3.42	63	463351	47.872	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	251901	51.061	ug/L 90
22) 2-Butanone	4.23	43	520366	81.251	ug/L 97

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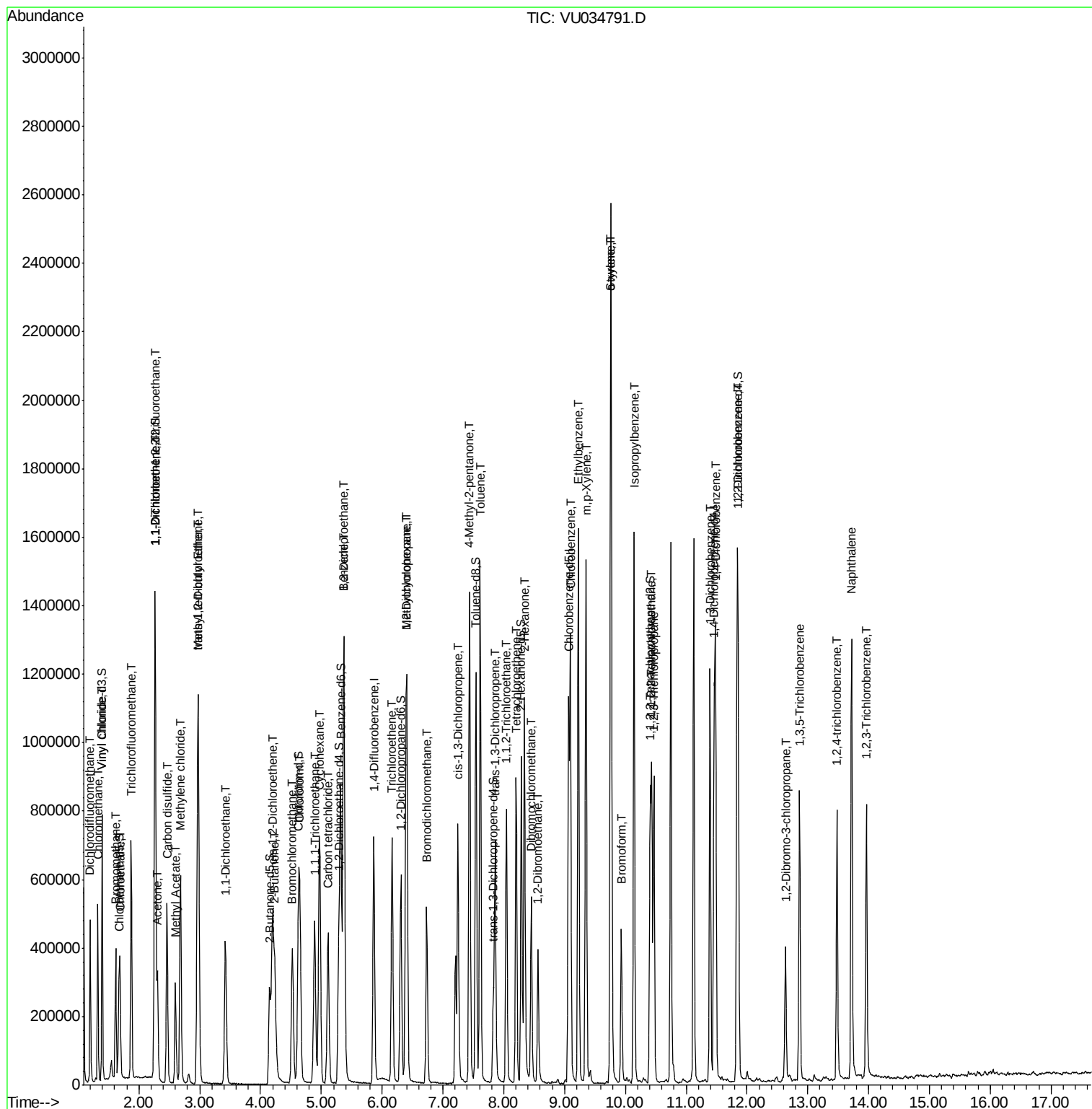
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	124159	52.581	ug/L	89
25) Chloroform	4.65	83	436486	45.796	ug/L	97
27) 1,2-Dichloroethane	5.38	62	358399	43.530	ug/L #	95
29) Cyclohexane	4.97	56	394816	43.716	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	357008	47.939	ug/L	96
31) Carbon tetrachloride	5.11	117	304552	47.983	ug/L	97
33) Benzene	5.37	78	970739	51.153	ug/L	100
34) Trichloroethene	6.16	95	238768	50.945	ug/L	95
35) Methylcyclohexane	6.39	83	304208	38.248	ug/L	95
37) 1,2-Dichloropropane	6.41	63	281895	49.886	ug/L	99
38) Bromodichloromethane	6.73	83	318863	46.531	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	410721	48.374	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	1026521	95.152	ug/L	96
42) Toluene	7.61	91	1051985	51.293	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	373501	48.797	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	238264	52.640	ug/L	95
46) Tetrachloroethene	8.21	164	184183	55.869	ug/L	97
48) 2-Hexanone	8.34	43	770897	91.492	ug/L	96
49) Dibromochloromethane	8.45	129	261127	51.758	ug/L	96
50) 1,2-Dibromoethane	8.56	107	257545	52.795	ug/L	100
51) Chlorobenzene	9.10	112	637293	51.117	ug/L	97
52) Ethylbenzene	9.23	91	1120986	48.538	ug/L	99
53) m,p-Xylene	9.35	106	412015	50.368	ug/L	98
54) o-xylene	9.76	106	416730	51.506	ug/L	95
55) Styrene	9.77	104	715489	52.243	ug/L	95
56) Isopropylbenzene	10.14	105	1008378	46.222	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	433514	49.866	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	337479	47.817	ug/L	97
61) Bromoform	9.94	173	190078	53.384	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	456446	50.967	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	455562	49.936	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	467396	51.652	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	93762	48.749	ug/L	84
67) 1,3,5-Trichlorobenzene	12.86	180	251060	41.840	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	233223	49.425	ug/L	99
69) Naphthalene	13.72	128	992634	60.766	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	237200	48.854	ug/L	98

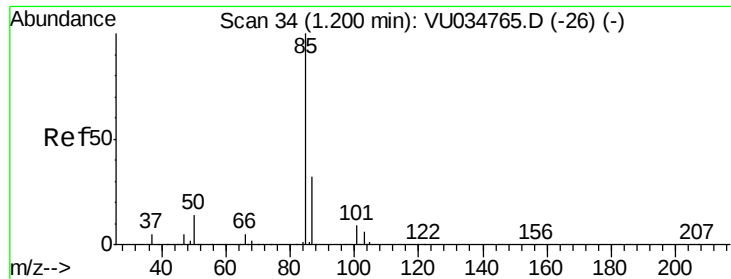
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.738 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

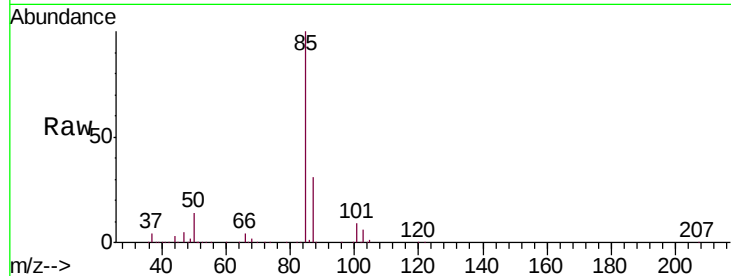
VSTD05044

Tgt Ion: 85 Resp: 271969

Ion Ratio Lower Upper

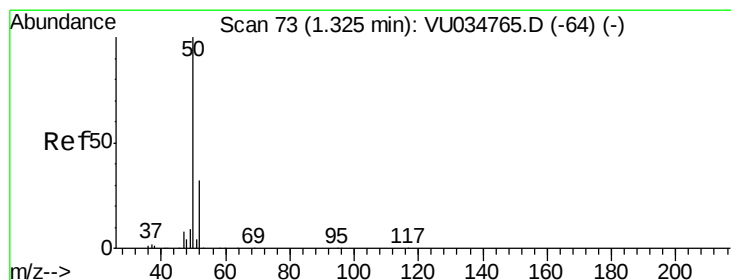
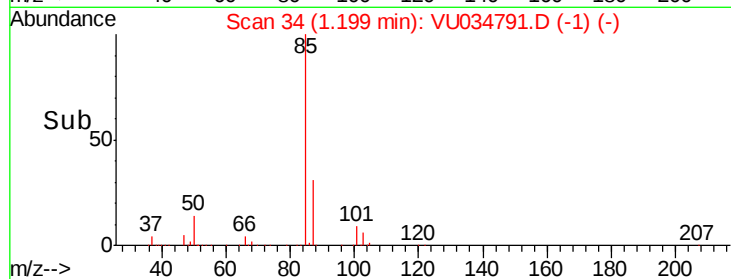
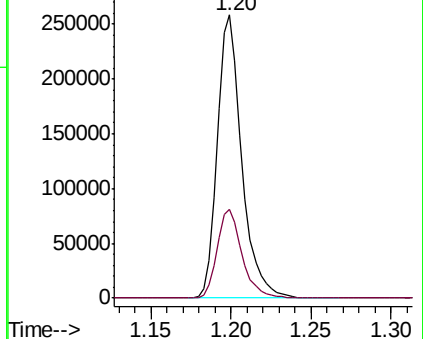
85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU034791.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034791.D (-1) (-)



#3

Chloromethane

Concen: 45.877 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034791.D

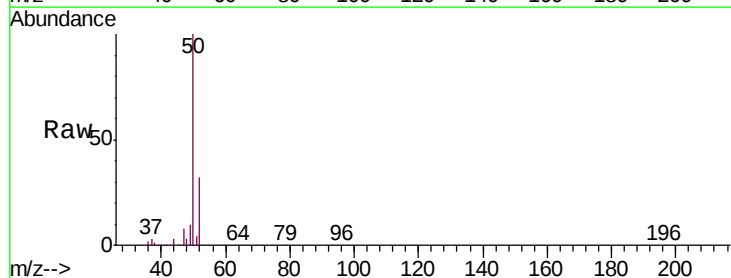
Acq: 24 Sep 2019 23:04

Tgt Ion: 50 Resp: 334069

Ion Ratio Lower Upper

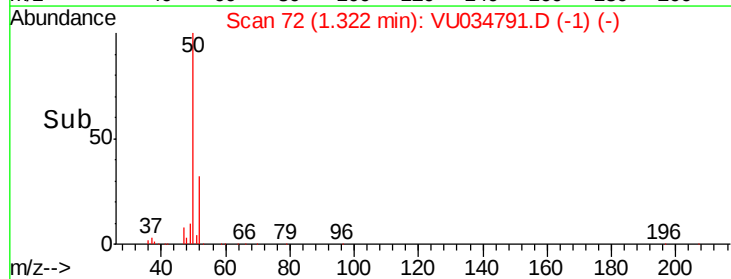
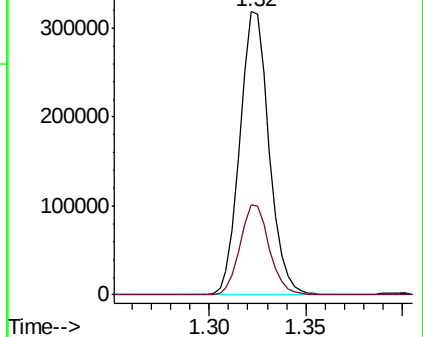
50 100

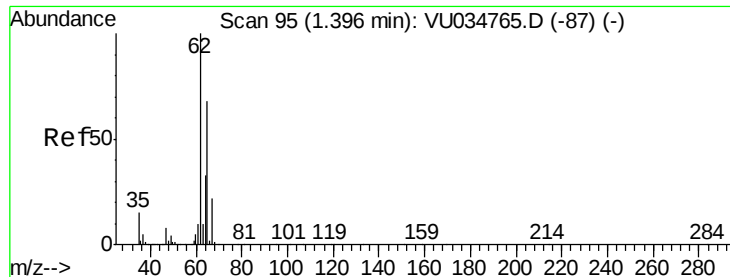
52 31.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU034791.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034791.D (-1) (-)





#5

Vinyl chloride

Concen: 47.328 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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ClientSampleId :

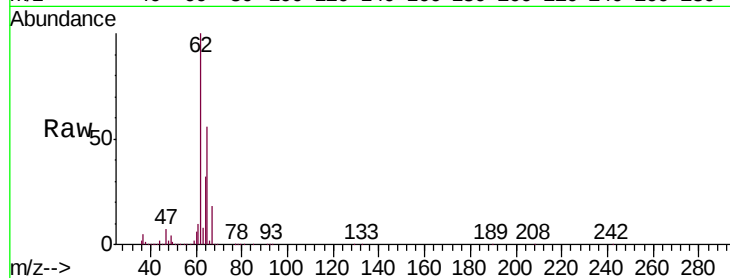
VSTD05044

Tgt Ion: 62 Resp: 314765

Ion Ratio Lower Upper

62 100

64 32.1 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034765.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034765.D (-87) (-)

1.40

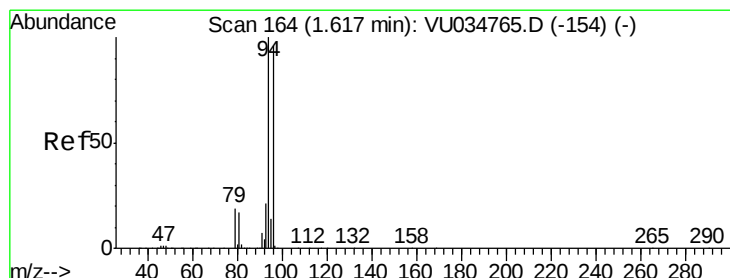
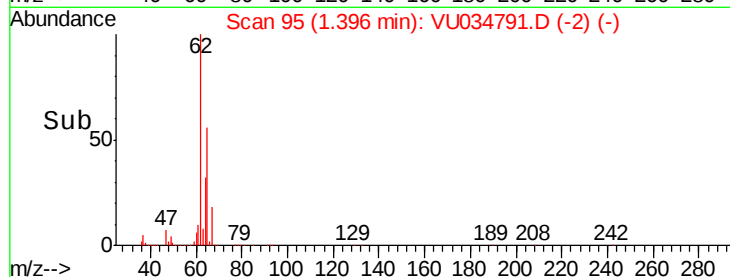
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 48.706 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034791.D

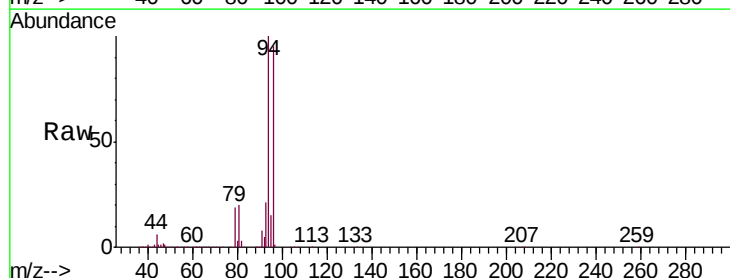
Acq: 24 Sep 2019 23:04

Tgt Ion: 94 Resp: 176917

Ion Ratio Lower Upper

94 100

96 95.1 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034765.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU034765.D (-154) (-)

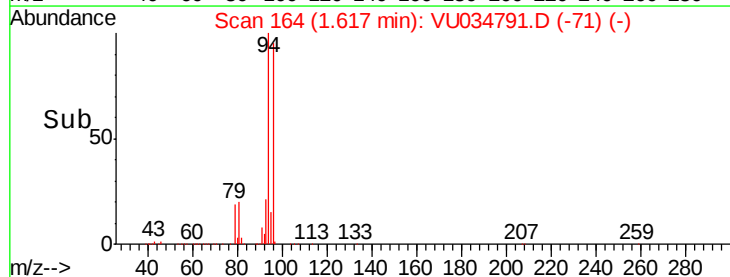
150000

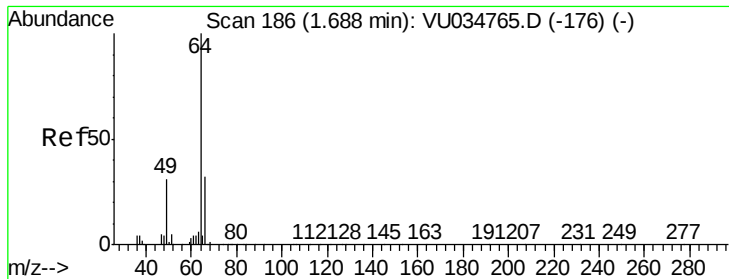
100000

50000

0

Time-->

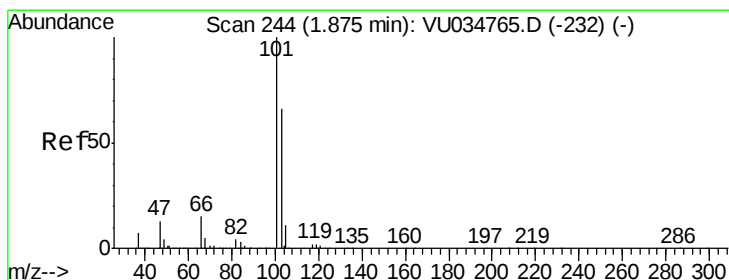
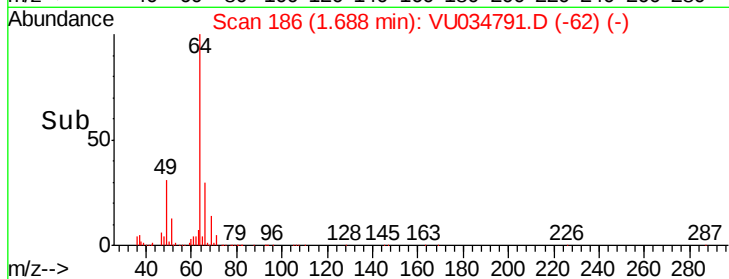
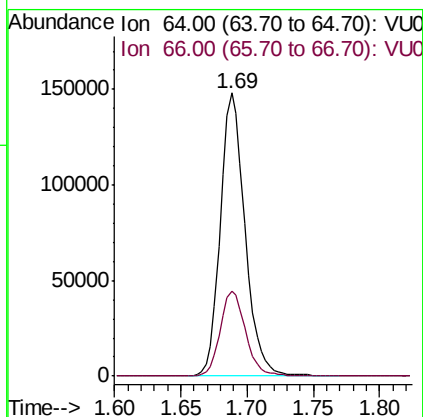
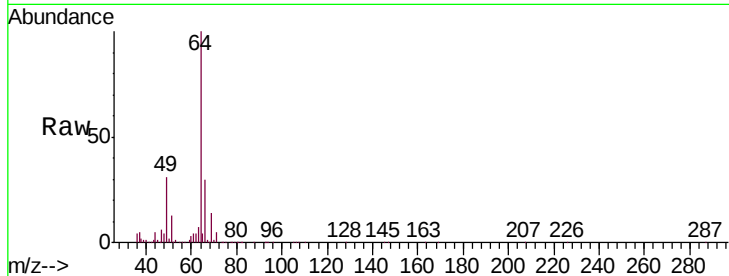




#8
Chloroethane
Concen: 49.860 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
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Tgt Ion: 64 Resp: 190904
Ion Ratio Lower Upper
64 100
66 30.2 23.1 42.9



#9
Trichlorofluoromethane
Concen: 47.375 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034791.D
Acq: 24 Sep 2019 23:04

Tgt Ion: 101 Resp: 397282
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

