

Data File : VR026532.D
Acq On : 10 Apr 2019 00:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00567

Quant Time: Apr 10 05:47:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Apr 10 05:42:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	599752	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	499026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	204248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	197055	4.33	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	2.63	69	178370	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	3.61	63	571050	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	6.58	46	224621	55.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.58%
24) Chloroform-d	7.20	84	448231	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	7.89	65	187046	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	7.85	84	830031	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	8.89	67	210950	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	9.97	98	791239	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	10.23	79	51469	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	10.59	63	198972	67.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.46%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91552	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	157728	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	281500	4.580 ug/L	98
3) Chloromethane	2.01	50	313208	4.831 ug/L	96
5) Vinyl chloride	2.15	62	314303	4.934 ug/L	100
6) Bromomethane	2.52	94	178519	4.792 ug/L	98
8) Chloroethane	2.66	64	184271	5.102 ug/L	96
9) Trichlorofluoromethane	2.94	101	474778	5.383 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	248608	5.109 ug/L	99
12) 1,1-Dichloroethene	3.62	96	273282	5.138 ug/L	94
13) Acetone	3.69	43	208587	50.804 ug/L	99
14) Carbon disulfide	3.93	76	725905	4.702 ug/L	99
15) Methyl Acetate	4.19	43	55135	4.977 ug/L	97
16) Methylene chloride	4.40	84	235187	4.974 ug/L	89
17) Methyl tert-butyl Ether	4.88	73	269416	4.453 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	247544	4.933 ug/L	90
19) 1,1-Dichloroethane	5.69	63	456478	4.895 ug/L	99
21) 2-Butanone	6.68	43	289707	54.881 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	227352	5.447 ug/L #	85

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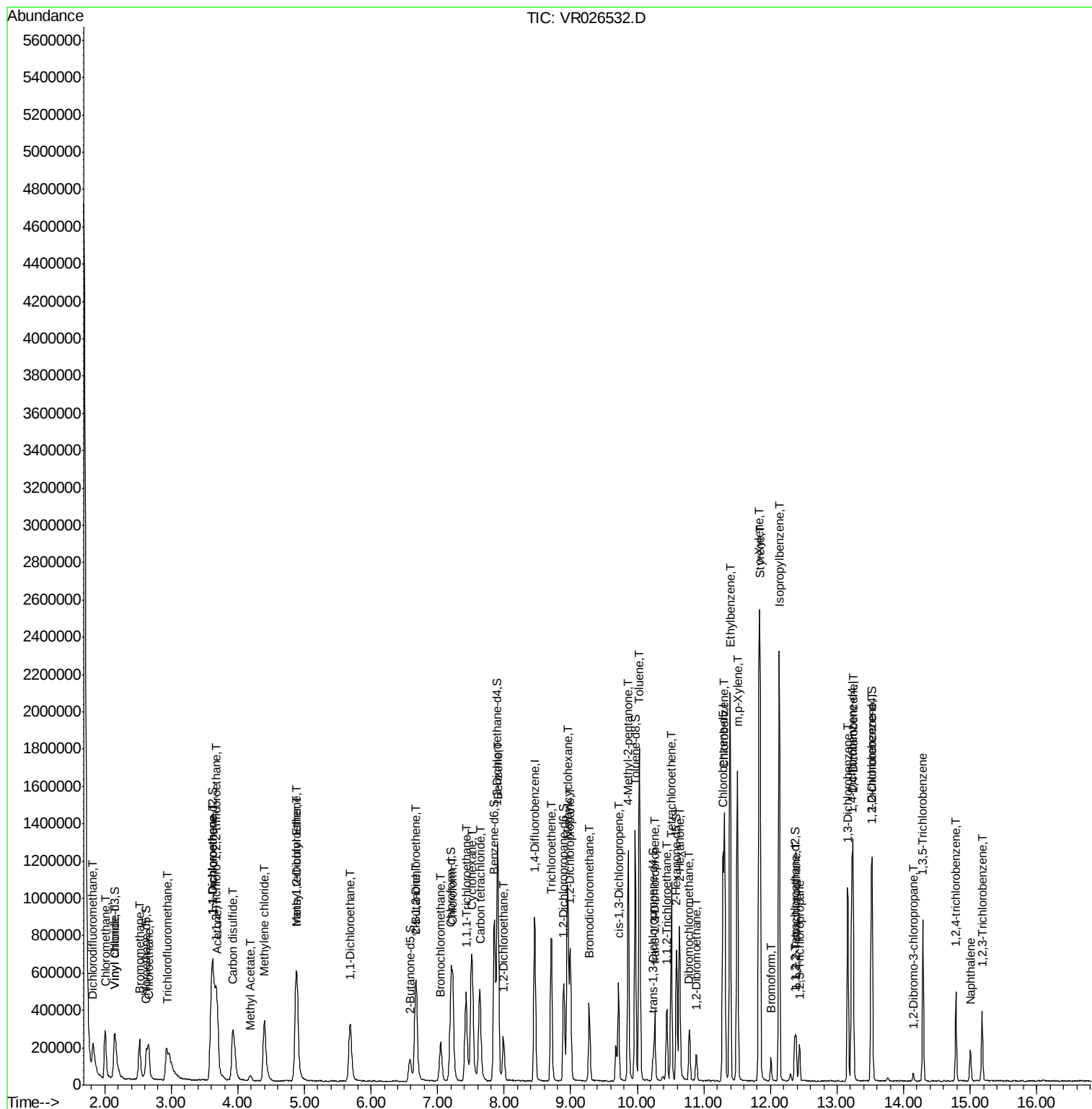
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	68459	5.264	ug/L	87
25) Chloroform	7.23	83	452859	5.076	ug/L	94
27) 1,2-Dichloroethane	7.99	62	222716	5.005	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	384961	4.674	ug/L	98
30) Cyclohexane	7.51	56	403485	5.272	ug/L	98
31) Carbon tetrachloride	7.63	117	382058	4.896	ug/L	97
33) Benzene	7.90	78	1013714	5.198	ug/L	100
34) Trichloroethene	8.71	95	258614	4.951	ug/L	96
35) Methylcyclohexane	8.95	83	377383	5.066	ug/L	97
37) 1,2-Dichloropropane	8.99	63	214838	5.027	ug/L	100
38) Bromodichloromethane	9.28	83	252324	5.109	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	250343	5.397	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	757670	60.502	ug/L	100
42) Toluene	10.03	91	1086806	5.438	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	169073	4.996	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	95997	5.553	ug/L	96
47) Tetrachloroethene	10.51	164	185190	4.982	ug/L	98
48) 2-Hexanone	10.63	43	508398	61.034	ug/L	99
49) Dibromochloromethane	10.79	129	121763	5.376	ug/L	96
50) 1,2-Dibromoethane	10.88	107	78324	5.267	ug/L #	90
51) Chlorobenzene	11.32	112	577155	5.146	ug/L	97
52) Ethylbenzene	11.39	91	1246231	5.413	ug/L	99
53) m,p-Xylene	11.50	106	443437	5.374	ug/L	95
54) o-Xylene	11.83	106	414186	5.712	ug/L	96
55) Styrene	11.84	104	648979	5.670	ug/L	98
56) Isopropylbenzene	12.13	105	1168294	5.677	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	90494	5.390	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	66255	5.145	ug/L	96
61) Bromoform	12.01	173	45932	5.040	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	328254	5.014	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	367061	4.995	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	279138	5.140	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8546	4.094	ug/L	86
67) 1,3,5-Trichlorobenzene	14.29	180	202848	4.742	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	112529	4.734	ug/L	96
69) Naphthalene	15.00	128	106499	4.764	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	90472	5.491	ug/L	96

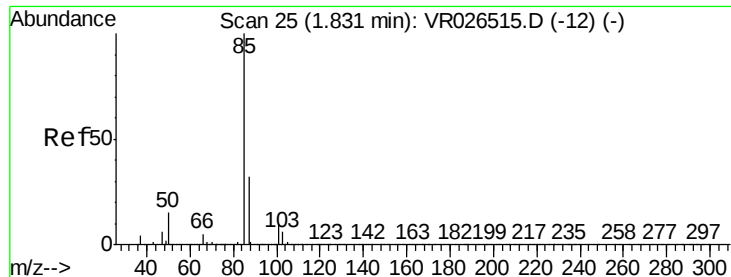
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.580 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

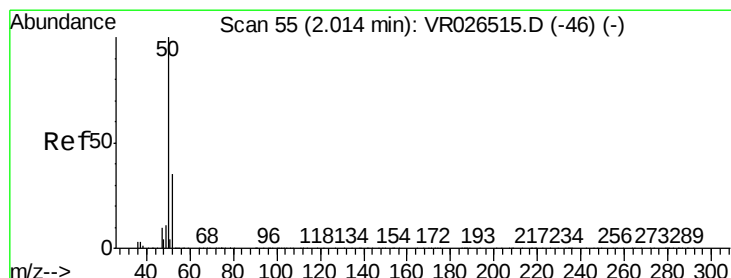
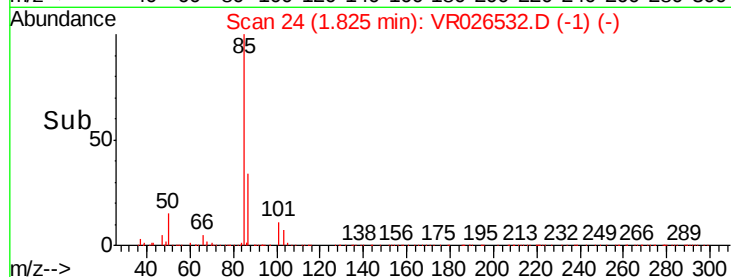
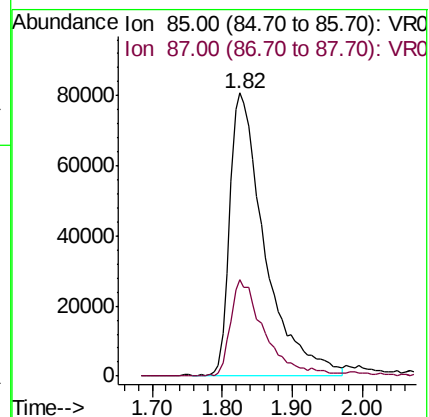
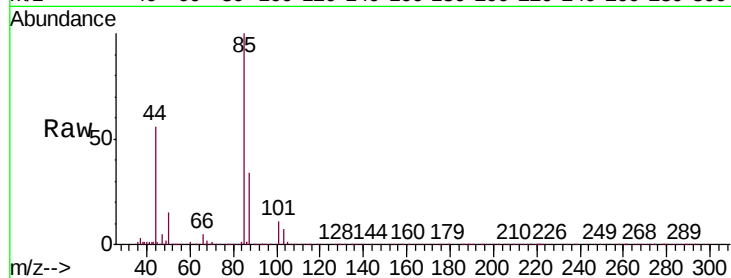
VSTD00567

Tgt Ion: 85 Resp: 281500

Ion Ratio Lower Upper

85 100

87 33.1 25.5 38.3



#3

Chloromethane

Concen: 4.831 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR026532.D

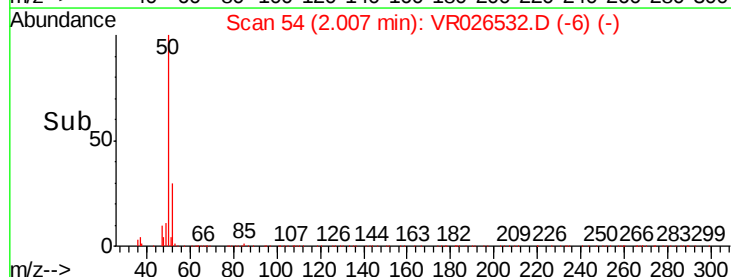
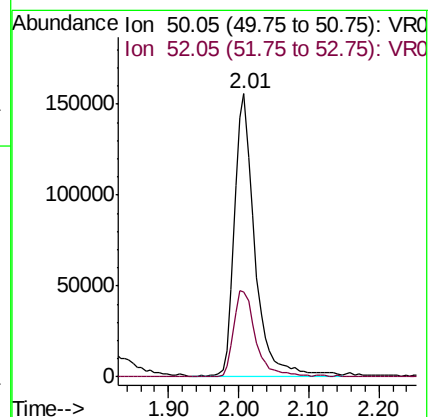
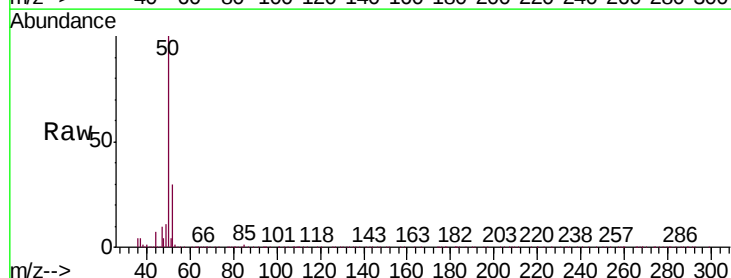
Acq: 10 Apr 2019 00:37

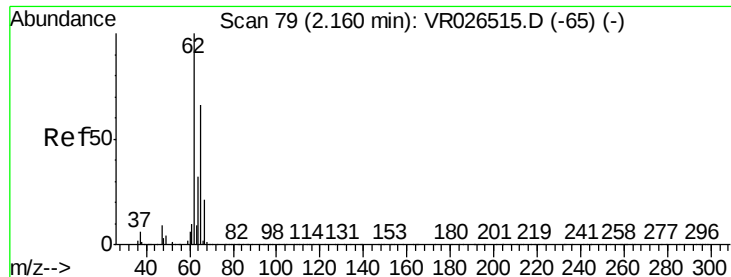
Tgt Ion: 50 Resp: 313208

Ion Ratio Lower Upper

50 100

52 29.8 22.5 41.9





#5

Vinyl chloride

Concen: 4.934 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026532.D

Acq: 10 Apr 2019 00:37

Instrument :

MSVOA_R

ClientSampleId :

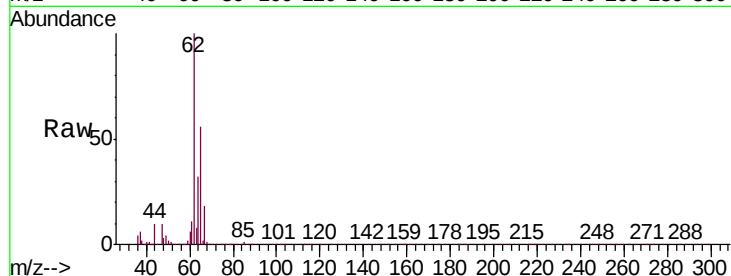
VSTD00567

Tgt Ion: 62 Resp: 314303

Ion Ratio Lower Upper

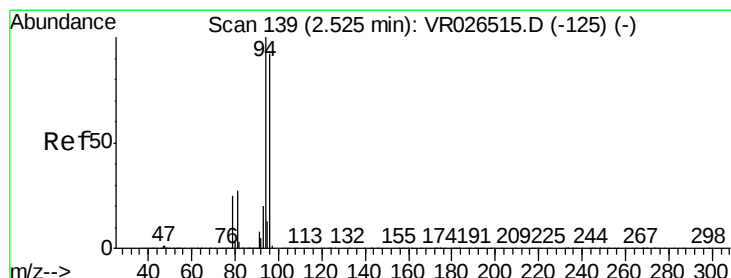
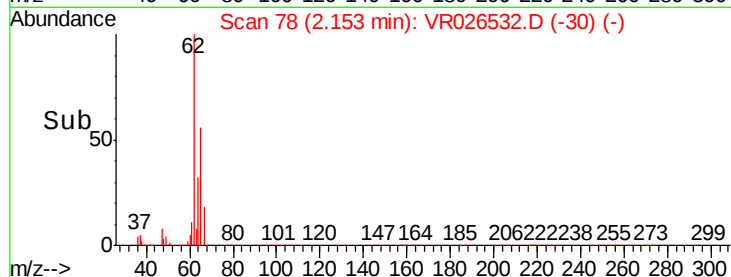
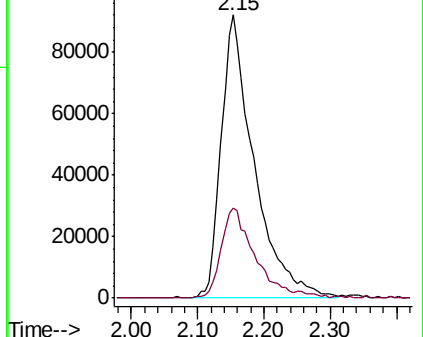
62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.792 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR026532.D

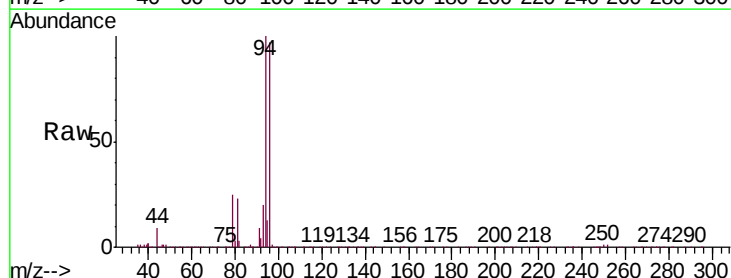
Acq: 10 Apr 2019 00:37

Tgt Ion: 94 Resp: 178519

Ion Ratio Lower Upper

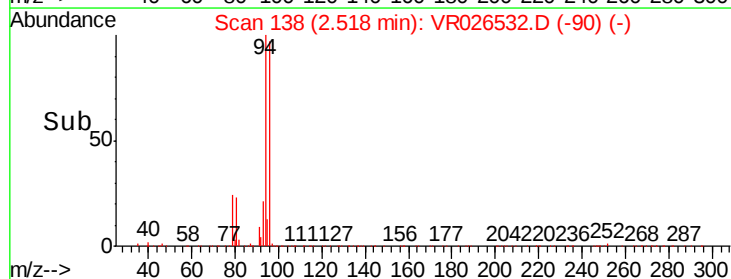
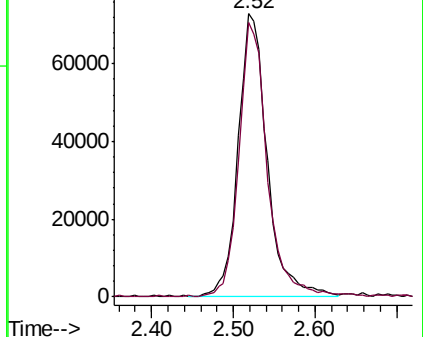
94 100

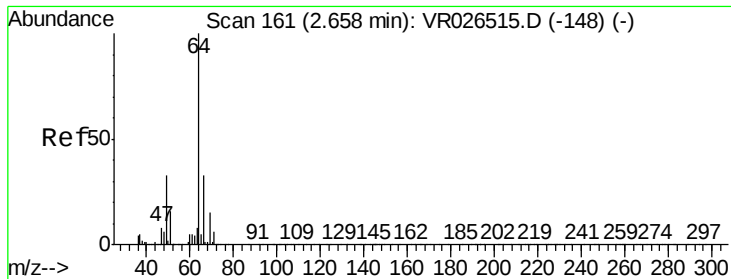
96 97.0 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 5.102 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR026532.D

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ClientSampleId :

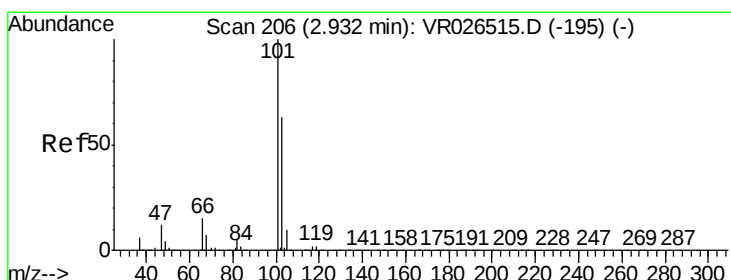
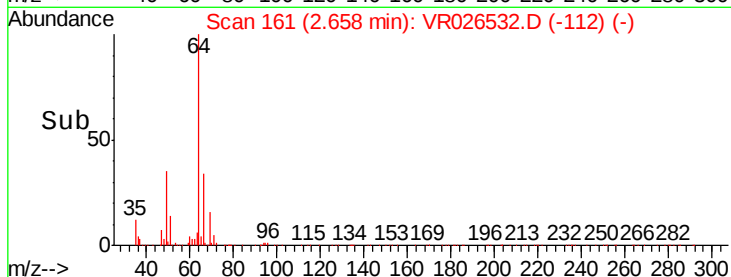
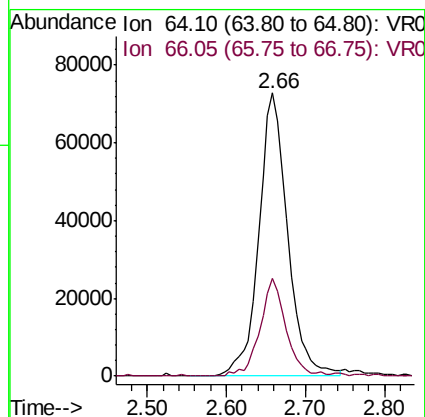
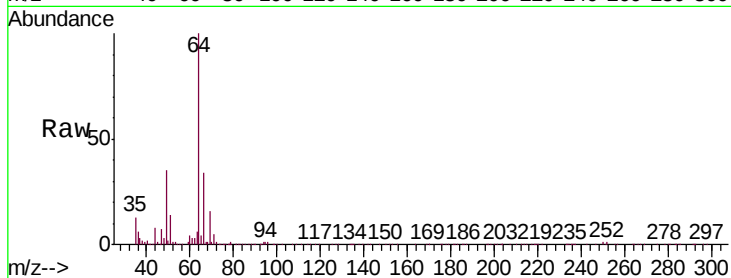
VSTD00567

Tgt Ion: 64 Resp: 184271

Ion Ratio Lower Upper

64 100

66 34.4 22.4 41.6



#9

Trichlorofluoromethane

Concen: 5.383 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026532.D

Acq: 10 Apr 2019 00:37

Tgt Ion: 101 Resp: 474778

Ion Ratio Lower Upper

101 100

103 23.7 48.2 72.2#

