

Data File : VU035039.D
Acq On : 10 Oct 2019 11:30
Operator : JC/SP
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Oct 11 02:44:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	164391	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167685	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	71659	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55488	5.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.20%
7) Chloroethane-d5	1.67	69	52366	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.26	63	81090	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.18	46	164604	57.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.04%
24) Chloroform-d	4.62	84	96629	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.29	65	58187	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.31	84	200148	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.31	67	69487	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.55	98	180149	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.84	79	21667	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.30	63	113389	50.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57689	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	66041	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4690	0.312 ug/L	96
3) Chloromethane	1.32	50	5793	0.352 ug/L	99
5) Vinyl chloride	1.40	62	5572	0.344 ug/L	84
6) Bromomethane	1.62	94	3080	0.342 ug/L	91
8) Chloroethane	1.69	64	3279	0.338 ug/L	92
9) Trichlorofluoromethane	1.88	101	7029	0.359 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4414	0.393 ug/L #	81
12) 1,1-Dichloroethene	2.27	96	4088	0.387 ug/L #	1
13) Acetone	2.33	43	9505	4.055 ug/L	99
14) Carbon disulfide	2.46	76	11030	0.314 ug/L #	94
15) Methyl Acetate	2.61	43	2865	0.459 ug/L #	90
16) Methylene chloride	2.69	84	6351	0.486 ug/L	97
17) Methyl tert-butyl Ether	2.99	73	9648	0.335 ug/L #	89
18) trans-1,2-Dichloroethene	2.96	96	3856	0.341 ug/L	93
19) 1,1-Dichloroethane	3.42	63	7640	0.340 ug/L	97
21) 2-Butanone	4.28	43	11647	3.490 ug/L	94
22) cis-1,2-Dichloroethene	4.21	96	3754	0.298 ug/L	72

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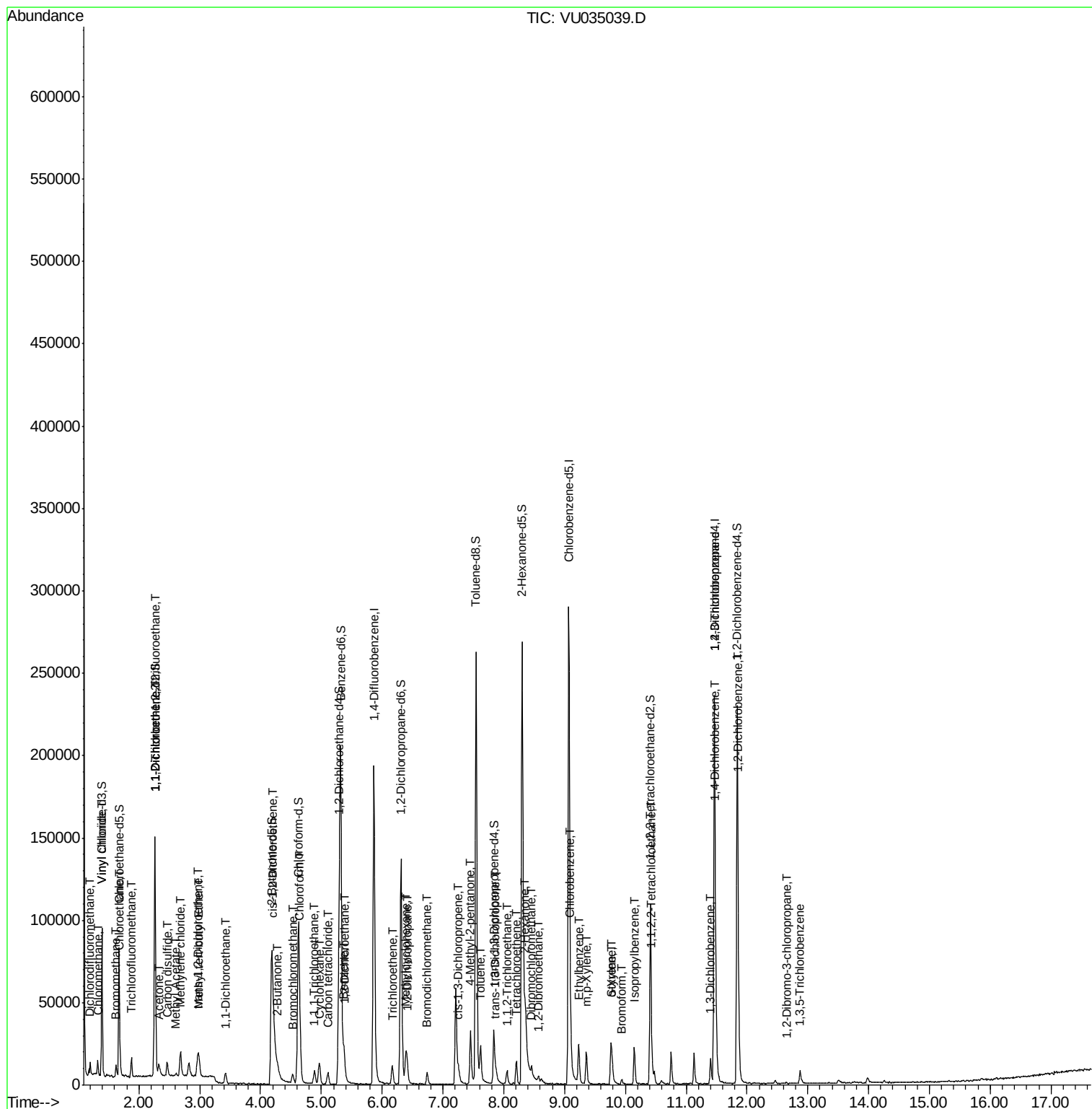
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1774	0.336	ug/L #	87
25) Chloroform	4.65	83	16917	0.670	ug/L	90
27) 1,2-Dichloroethane	5.39	62	4793	0.325	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	5726	0.304	ug/L	96
30) Cyclohexane	4.97	56	6174	0.298	ug/L	96
31) Carbon tetrachloride	5.11	117	4938	0.302	ug/L	95
33) Benzene	5.37	78	16610	0.329	ug/L	100
34) Trichloroethene	6.17	95	3745	0.287	ug/L	95
35) Methylcyclohexane	6.39	83	6388	0.303	ug/L	98
37) 1,2-Dichloropropane	6.42	63	4533	0.333	ug/L #	91
38) Bromodichloromethane	6.74	83	5270	0.330	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	5723	0.310	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	25834	3.013	ug/L #	85
42) Toluene	7.62	91	16333	0.310	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	4314	0.302	ug/L #	82
45) 1,1,2-Trichloroethane	8.05	97	3070	0.339	ug/L	97
47) Tetrachloroethene	8.21	164	3220	0.305	ug/L	93
48) 2-Hexanone	8.36	43	22694	3.860	ug/L	92
49) Dibromochloromethane	8.46	129	3118	0.298	ug/L	95
50) 1,2-Dibromoethane	8.57	107	3006	0.348	ug/L #	91
51) Chlorobenzene	9.10	112	10678	0.313	ug/L	97
52) Ethylbenzene	9.23	91	17119	0.294	ug/L	96
53) m,p-Xylene	9.36	106	6115	0.284	ug/L	93
54) o-Xylene	9.76	106	6024	0.286	ug/L	93
55) Styrene	9.78	104	8796	0.258	ug/L	99
56) Isopropylbenzene	10.15	105	15830	0.282	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	4416	0.359	ug/L #	93
59) 1,2,3-Trichloropropane	11.47	75	11833	1.342	ug/L	92
61) Bromoform	9.94	173	1668	0.339	ug/L #	85
62) 1,3-Dichlorobenzene	11.40	146	7604	0.344	ug/L	90
63) 1,4-Dichlorobenzene	11.49	146	7852	0.352	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	7729	0.363	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	335	0.247	ug/L #	70
67) 1,3,5-Trichlorobenzene	12.87	180	3990	0.267	ug/L	96

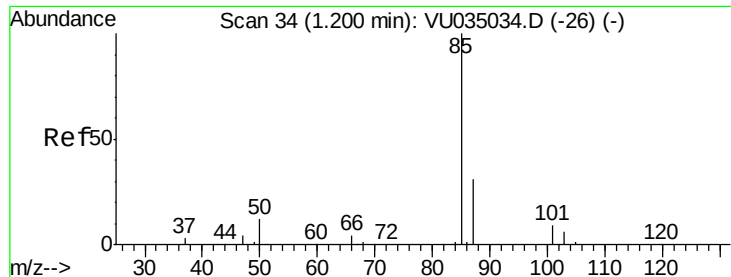
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.312 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035039.D

Acq: 10 Oct 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

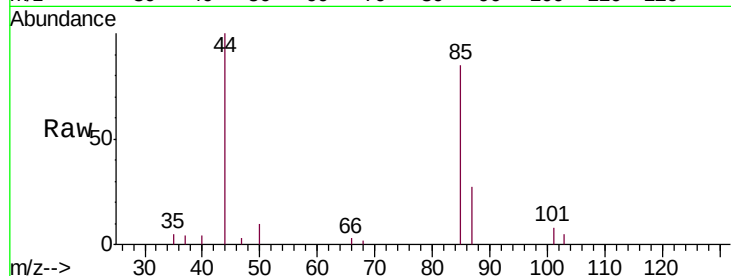
MDL04

Tgt Ion: 85 Resp: 4690

Ion Ratio Lower Upper

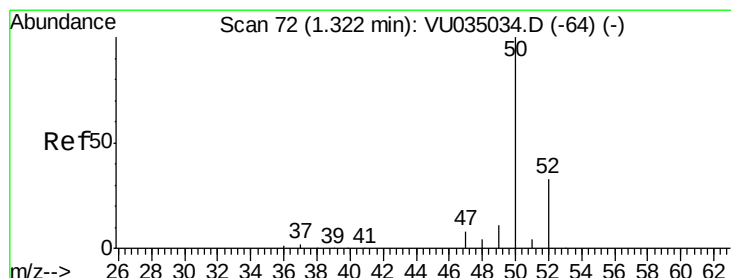
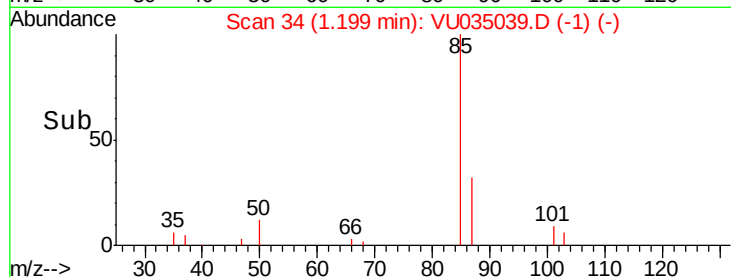
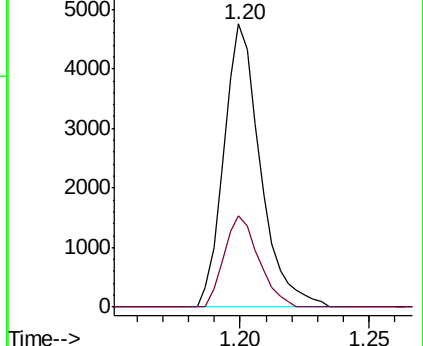
85 100

87 30.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035034.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035034.D (-26) (-)



#3

Chloromethane

Concen: 0.352 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035039.D

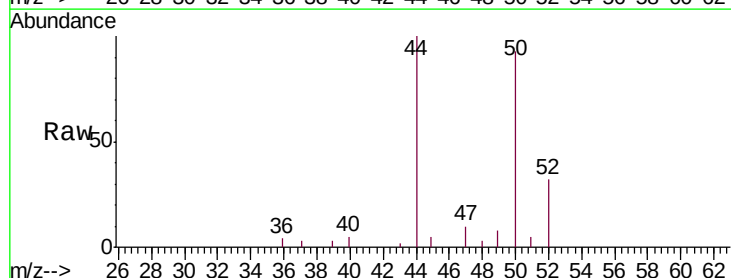
Acq: 10 Oct 2019 11:30

Tgt Ion: 50 Resp: 5793

Ion Ratio Lower Upper

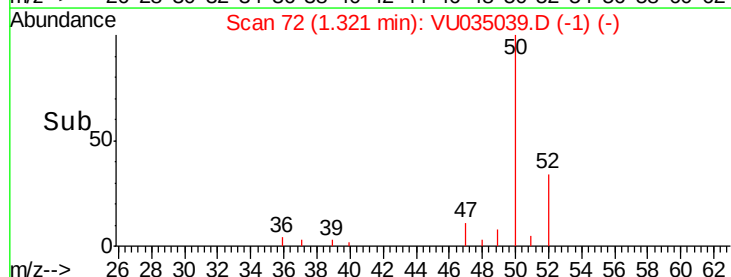
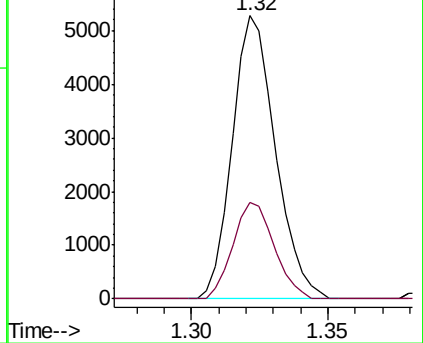
50 100

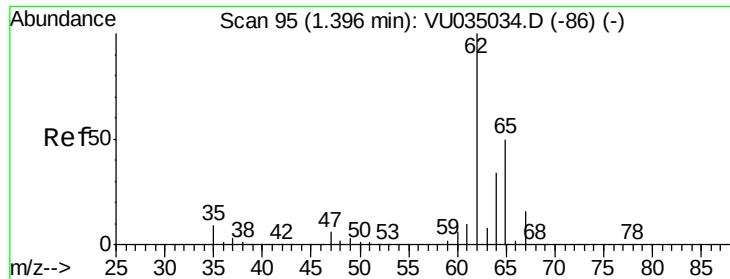
52 34.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035034.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035034.D (-64) (-)





#5

Vinyl chloride

Concen: 0.344 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035039.D

Acq: 10 Oct 2019 11:30

Instrument :

MSVOA_U

ClientSampleId :

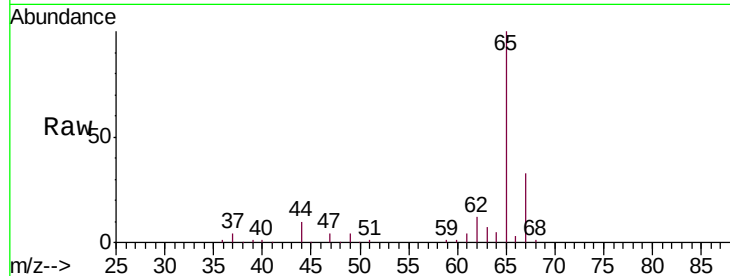
MDL04

Tgt Ion: 62 Resp: 5572

Ion Ratio Lower Upper

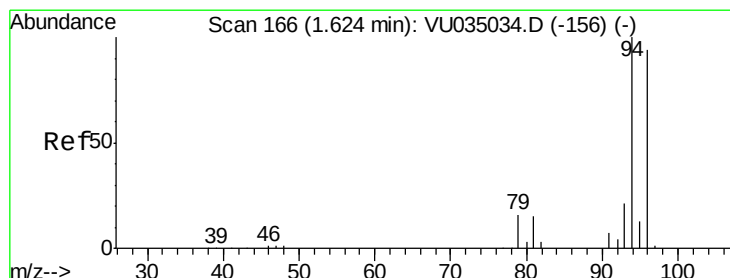
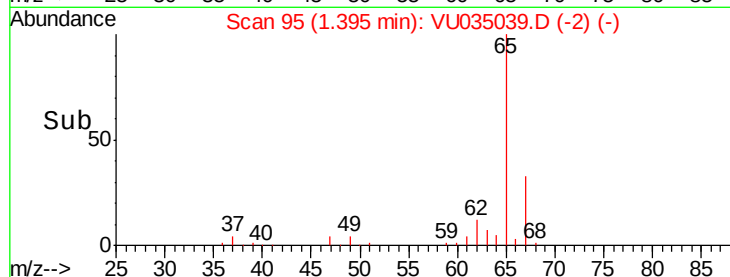
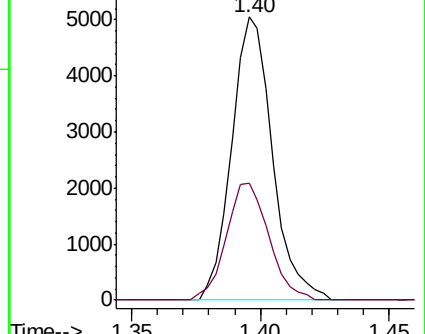
62 100

64 41.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.342 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035039.D

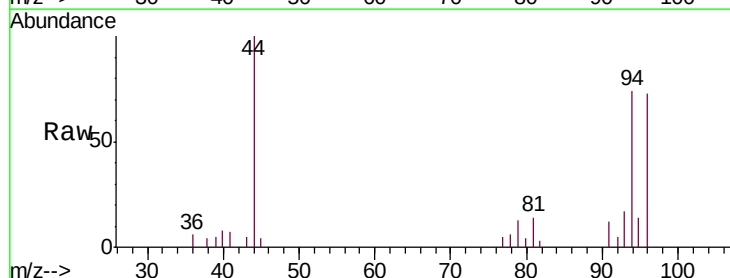
Acq: 10 Oct 2019 11:30

Tgt Ion: 94 Resp: 3080

Ion Ratio Lower Upper

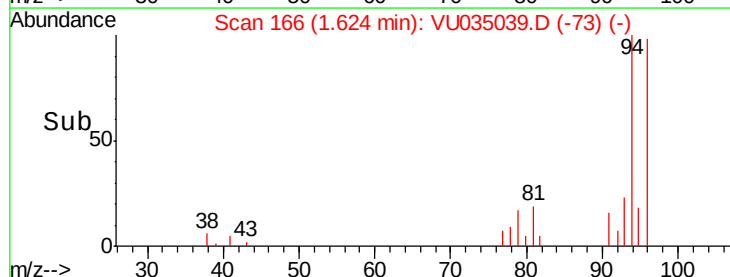
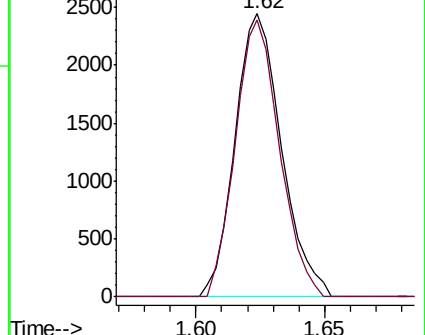
94 100

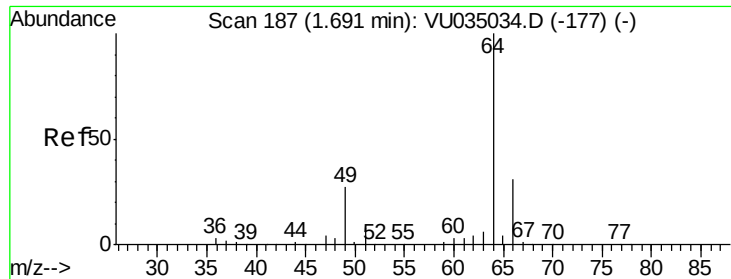
96 97.9 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

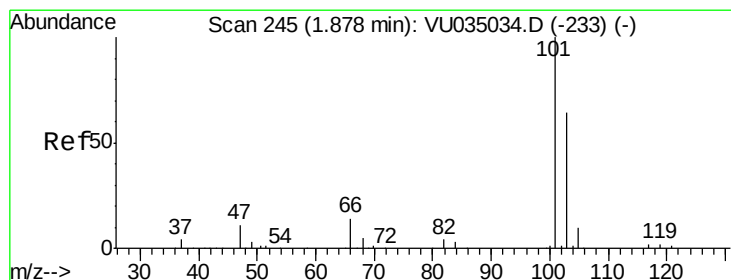
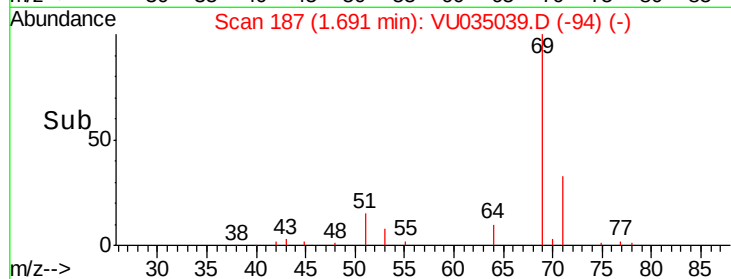
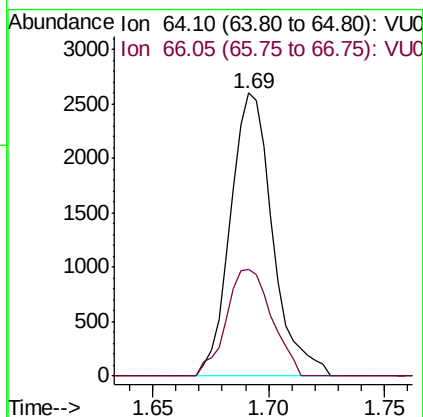
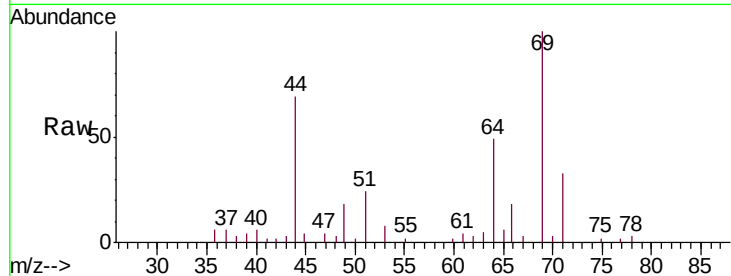




#8
Chloroethane
Concen: 0.338 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU035039.D
Acq: 10 Oct 2019 11:30

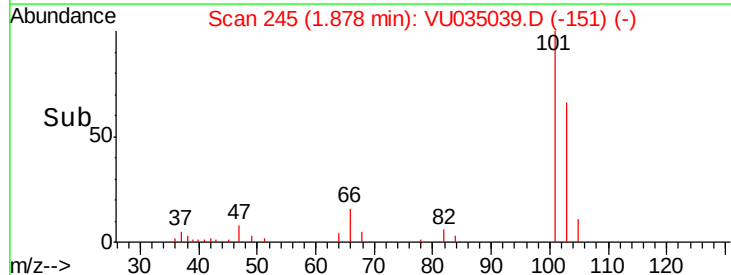
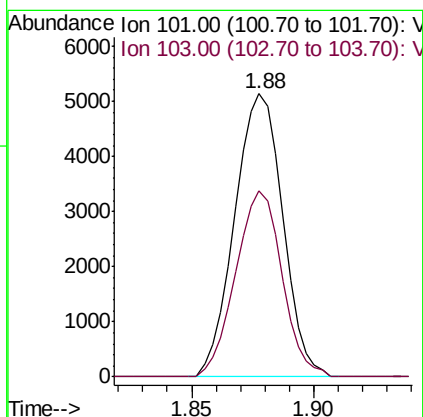
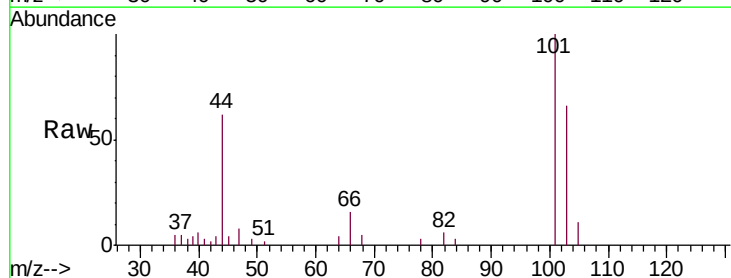
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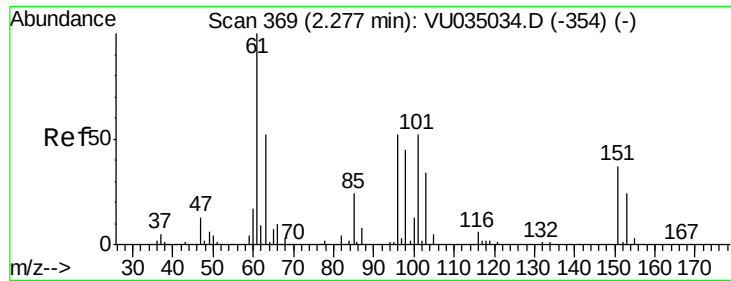
Tgt Ion: 64 Resp: 3279
Ion Ratio Lower Upper
64 100
66 37.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 0.359 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU035039.D
Acq: 10 Oct 2019 11:30

Tgt Ion: 101 Resp: 7029
Ion Ratio Lower Upper
101 100
103 63.3 52.2 78.4





#10

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

Concen: 0.393 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035039.D

Acq: 10 Oct 2019 11:30

Instrument :

MSVOA_U

ClientSampled :

MDL04

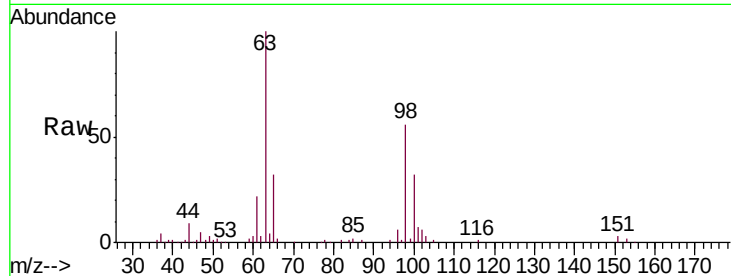
Tgt Ion:101 Resp: 4414

Ion Ratio Lower Upper

101 100

85 36.7 37.4 56.0#

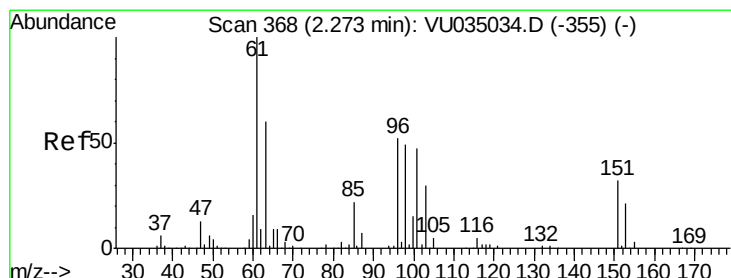
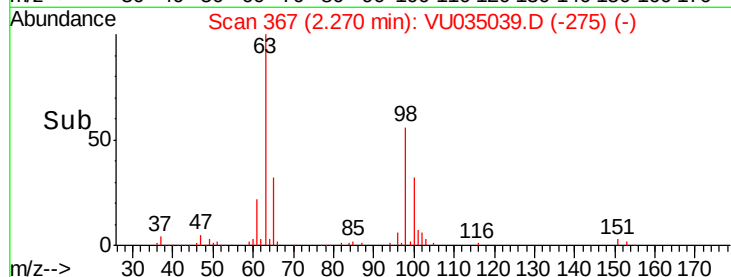
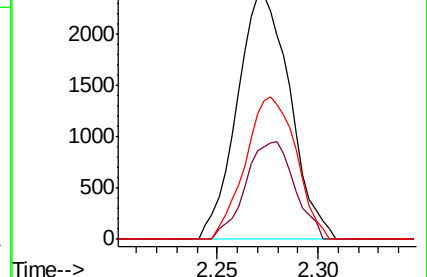
151 55.4 58.6 87.8#



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: 0.387 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

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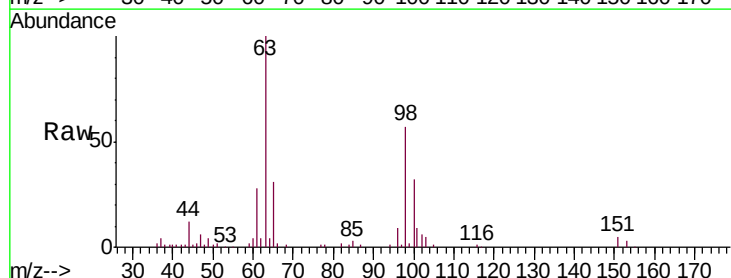
Tgt Ion: 96 Resp: 4088

Ion Ratio Lower Upper

96 100

61 297.5 129.3 240.1#

63 1081.6 108.9 202.3#



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

