

Data File : VU033260.D
Acq On : 16 Jul 2019 11:24
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV02

Quant Time: Jul 17 04:46:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	141324	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	144216	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	73348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68016	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.67	69	62746	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.26	63	132795	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.18	46	128329	47.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.70%
24) Chloroform-d	4.62	84	101353	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.29	65	53393	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.31	84	196781	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.31	67	62592	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.55	98	187611	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.84	79	26033	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.30	63	105804	50.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.60%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	51717	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	68727	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	62924	5.244	ug/L 97
3) Chloromethane	1.32	50	73012	5.155	ug/L 98
5) Vinyl chloride	1.40	62	79322	5.214	ug/L 99
6) Bromomethane	1.62	94	52038	5.395	ug/L 95
8) Chloroethane	1.69	64	54225	5.569	ug/L 97
9) Trichlorofluoromethane	1.87	101	110499	5.068	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	62472	5.187	ug/L 99
12) 1,1-Dichloroethene	2.27	96	58053	5.000	ug/L 97
13) Acetone	2.32	43	115267	49.087	ug/L 100
14) Carbon disulfide	2.46	76	190051	5.056	ug/L 98
15) Methyl Acetate	2.61	43	28497	4.859	ug/L 97
16) Methylene chloride	2.68	84	67369	4.759	ug/L 97
17) Methyl tert-butyl Ether	2.98	73	155390	5.110	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	63635	4.962	ug/L 98
19) 1,1-Dichloroethane	3.42	63	96487	5.007	ug/L 97
21) 2-Butanone	4.26	43	136523	50.586	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	55635	5.133	ug/L 99

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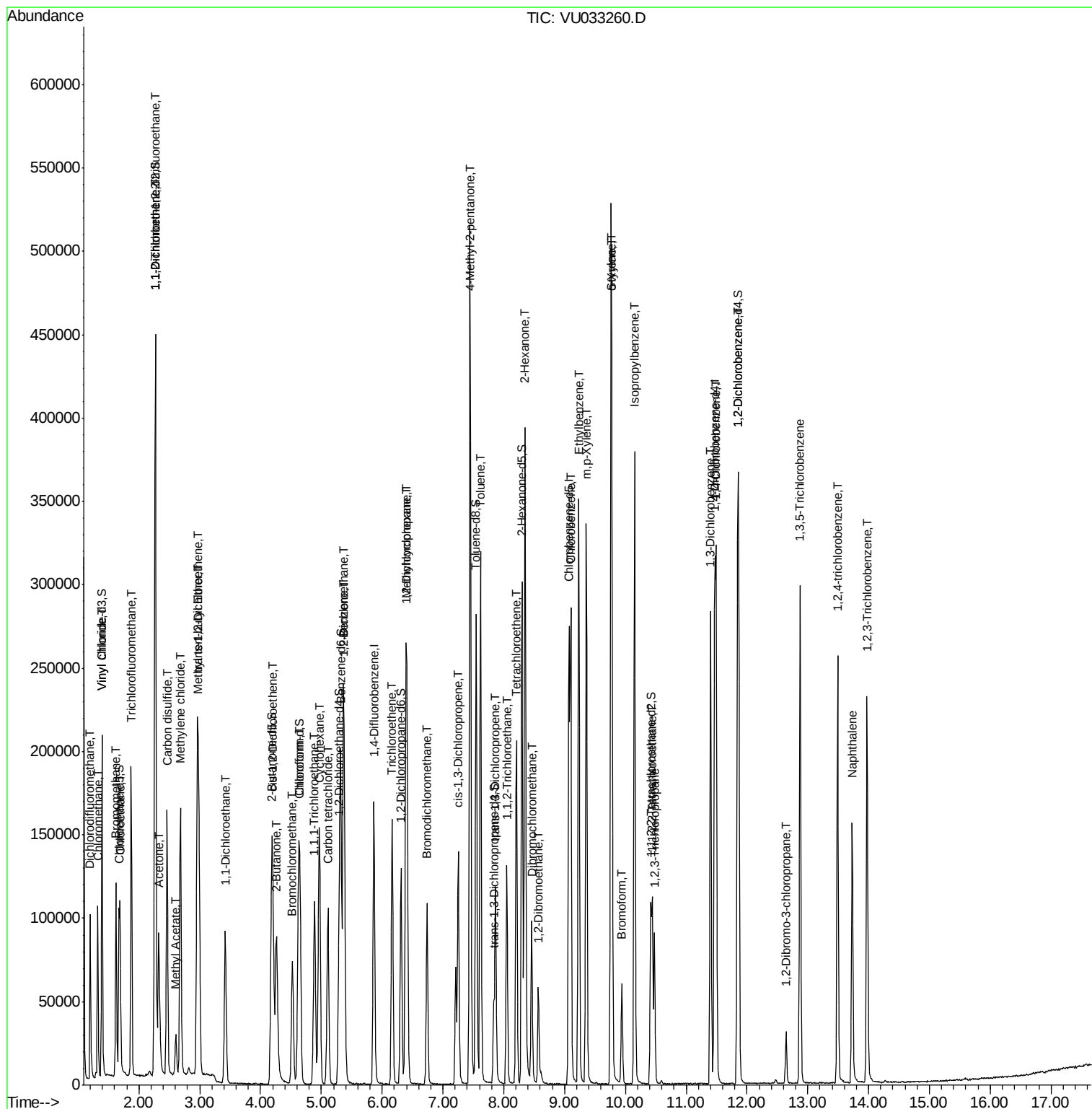
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	24480	5.127	ug/L	92
25) Chloroform	4.65	83	102599	4.806	ug/L	100
27) 1,2-Dichloroethane	5.38	62	64574	5.085	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	84845	5.093	ug/L	100
30) Cyclohexane	4.97	56	77054	5.151	ug/L	98
31) Carbon tetrachloride	5.11	117	75054	5.147	ug/L	99
33) Benzene	5.37	78	208539	5.106	ug/L	100
34) Trichloroethene	6.16	95	55568	5.142	ug/L	98
35) Methylcyclohexane	6.39	83	84660	5.199	ug/L	99
37) 1,2-Dichloropropane	6.41	63	57096	5.170	ug/L	100
38) Bromodichloromethane	6.74	83	71444	5.071	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	82006	5.205	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	330126	52.164	ug/L	99
42) Toluene	7.62	91	231909	5.289	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	66079	5.186	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	39445	4.995	ug/L	96
47) Tetrachloroethene	8.21	164	44557	5.145	ug/L	96
48) 2-Hexanone	8.35	43	245655	53.070	ug/L	99
49) Dibromochloromethane	8.46	129	48500	5.099	ug/L	97
50) 1,2-Dibromoethane	8.57	107	38464	5.073	ug/L	97
51) Chlorobenzene	9.10	112	147728	5.133	ug/L	100
52) Ethylbenzene	9.23	91	244970	5.234	ug/L	99
53) m,p-Xylene	9.36	106	93162	5.269	ug/L	96
54) o-Xylene	9.76	106	89583	5.314	ug/L	93
55) Styrene	9.78	104	155847	5.305	ug/L	100
56) Isopropylbenzene	10.15	105	237539	5.300	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	50580	5.003	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	36878	5.121	ug/L	99
61) Bromoform	9.94	173	26291	5.212	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	114628	5.230	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	118936	5.153	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	112087	5.151	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8055	4.891	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	92322	5.359	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	79063	5.683	ug/L	98
69) Naphthalene	13.73	128	131447	5.577	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	72925	5.563	ug/L	99

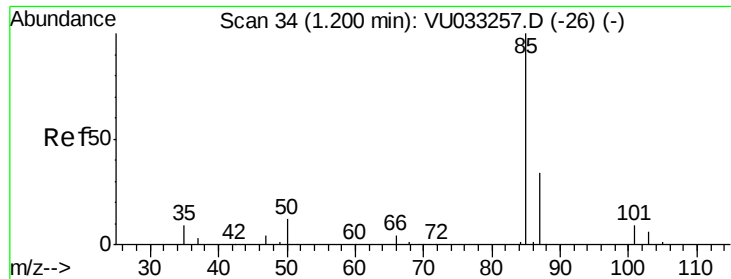
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.244 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033260.D

Acq: 16 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampled :

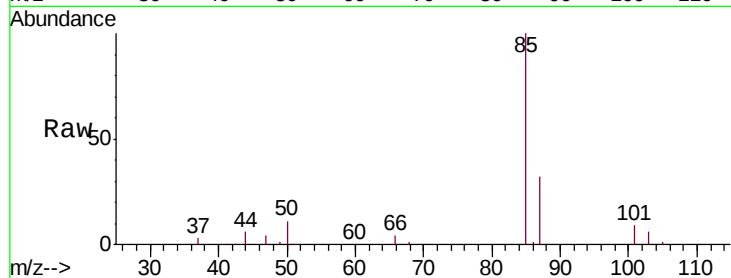
VICV02

Tgt Ion: 85 Resp: 62924

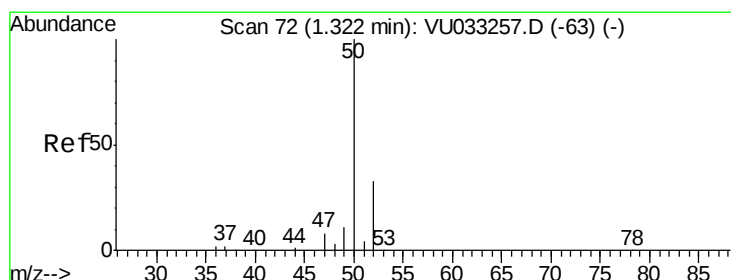
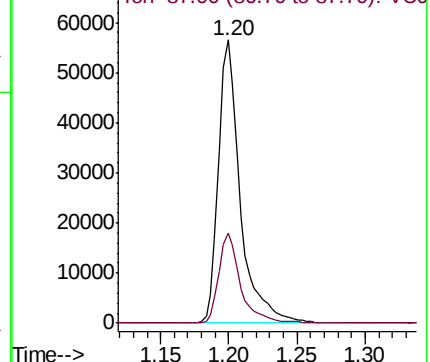
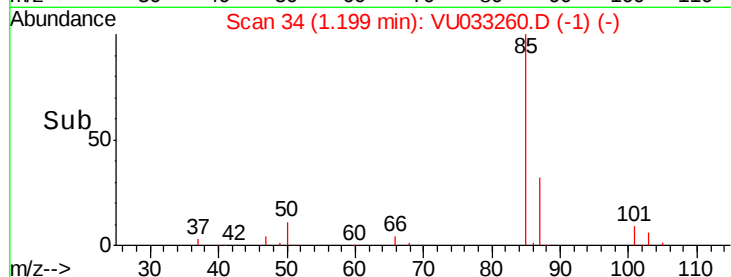
Ion Ratio Lower Upper

85 100

87 31.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU033260.D (-1) (-)



#3

Chloromethane

Concen: 5.155 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033260.D

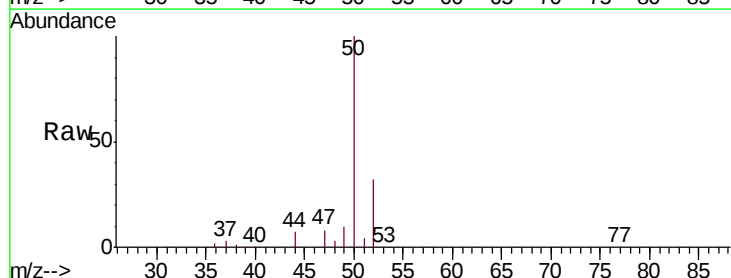
Acq: 16 Jul 2019 11:24

Tgt Ion: 50 Resp: 73012

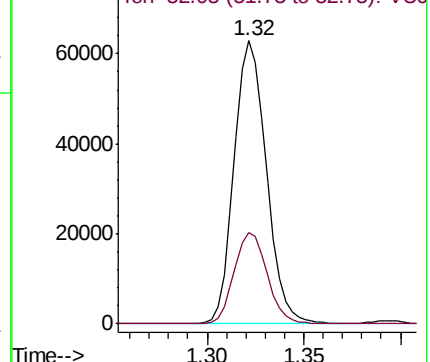
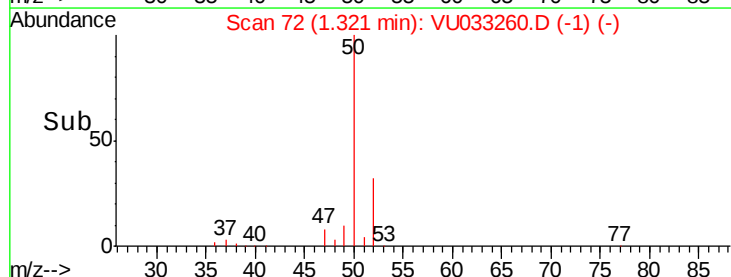
Ion Ratio Lower Upper

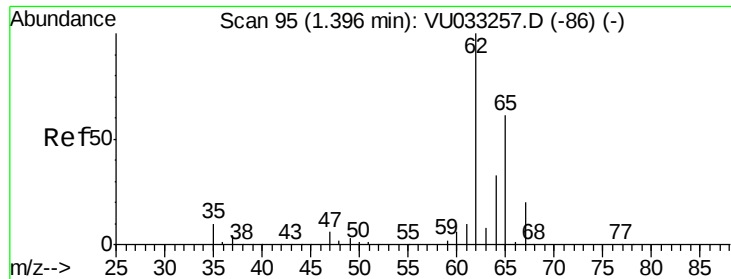
50 100

52 32.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033260.D (-1) (-)





#5

Vinyl chloride

Concen: 5.214 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033260.D

Acq: 16 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

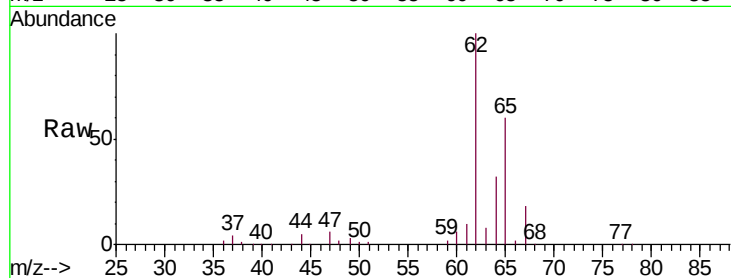
VICV02

Tgt Ion: 62 Resp: 79322

Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033257.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033260.D (-73) (-)

1.40

80000

60000

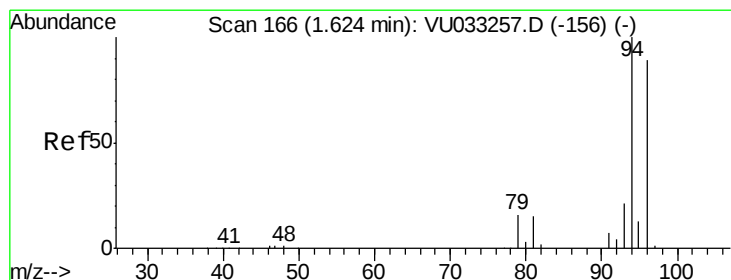
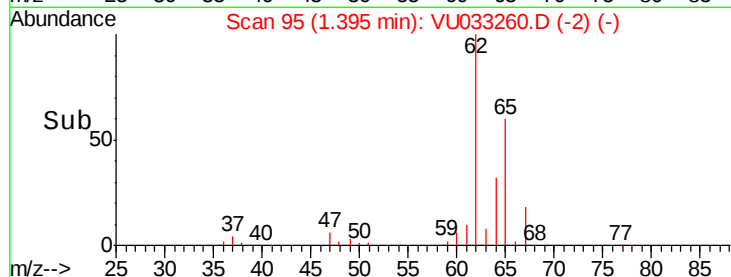
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 5.395 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033260.D

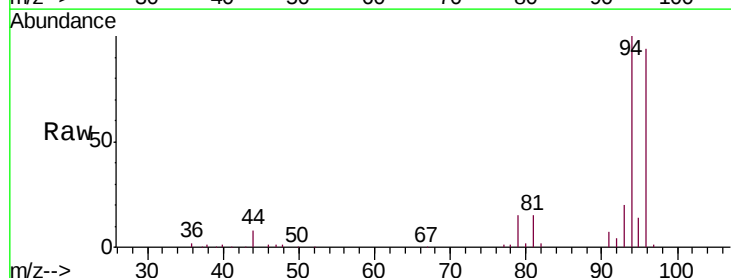
Acq: 16 Jul 2019 11:24

Tgt Ion: 94 Resp: 52038

Ion Ratio Lower Upper

94 100

96 93.6 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU033257.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033260.D (-73) (-)

1.62

40000

30000

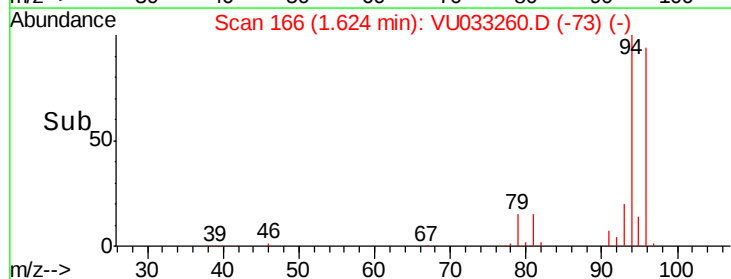
20000

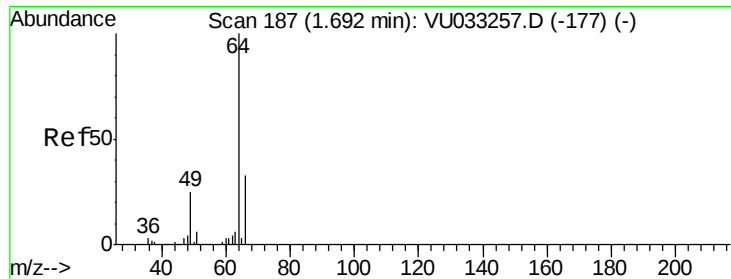
10000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 5.569 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033260.D

Acq: 16 Jul 2019 11:24

Instrument :

MSVOA_U

ClientSampleId :

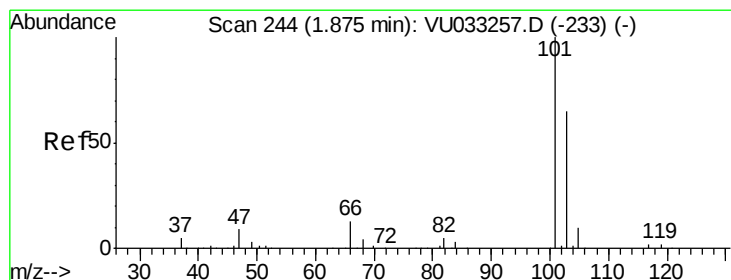
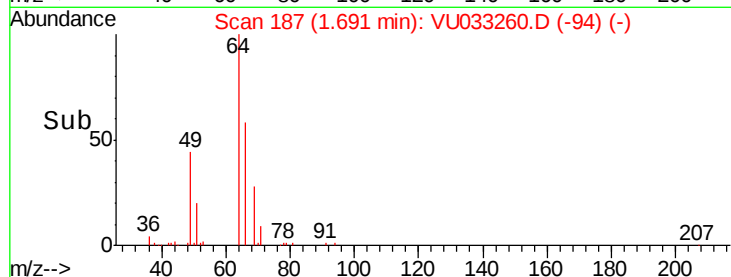
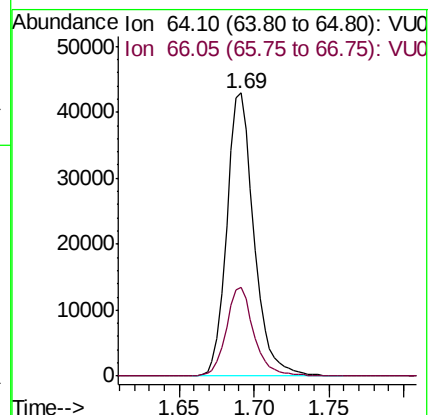
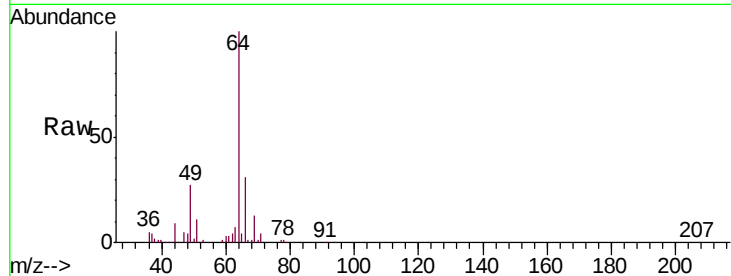
VICV02

Tgt Ion: 64 Resp: 54225

Ion Ratio Lower Upper

64 100

66 31.4 23.2 43.2



#9

Trichlorofluoromethane

Concen: 5.068 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033260.D

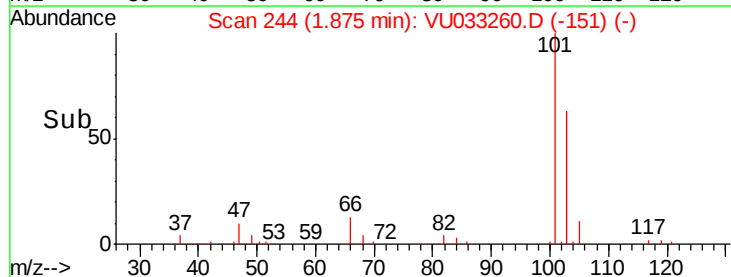
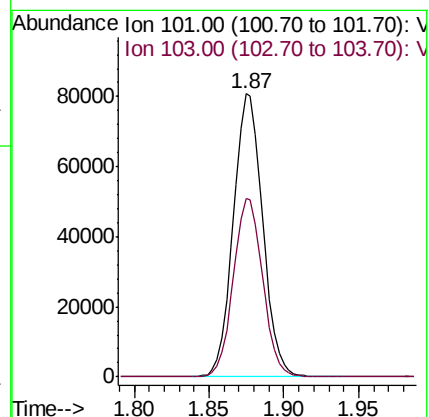
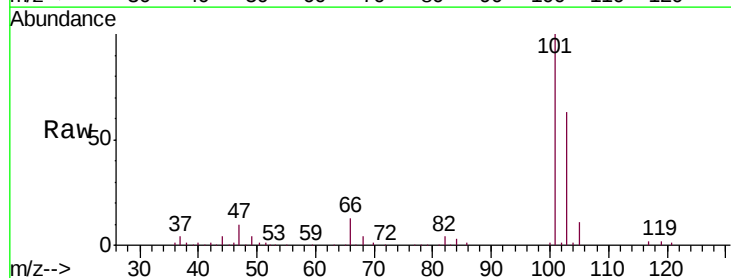
Acq: 16 Jul 2019 11:24

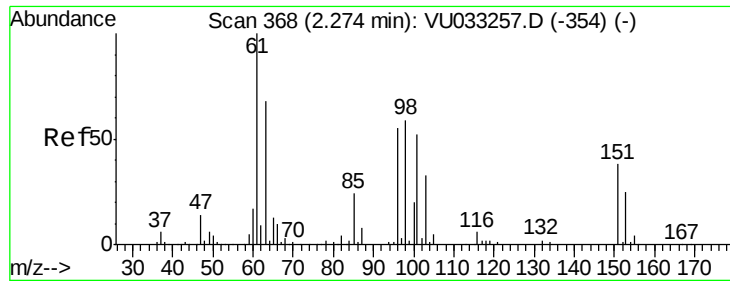
Tgt Ion: 101 Resp: 110499

Ion Ratio Lower Upper

101 100

103 63.0 52.2 78.4





#10

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

Concen: 5.187 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033260.D

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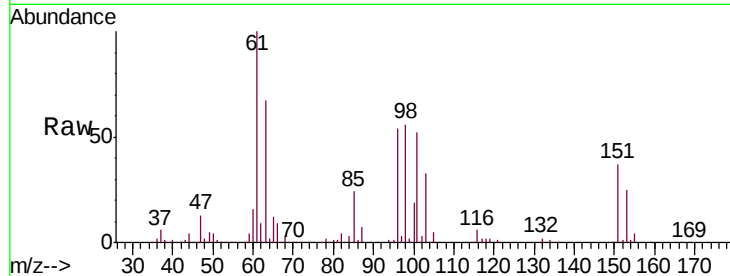
Tgt Ion: 101 Resp: 62472

Ion Ratio Lower Upper

101 100

85 45.8 37.4 56.0

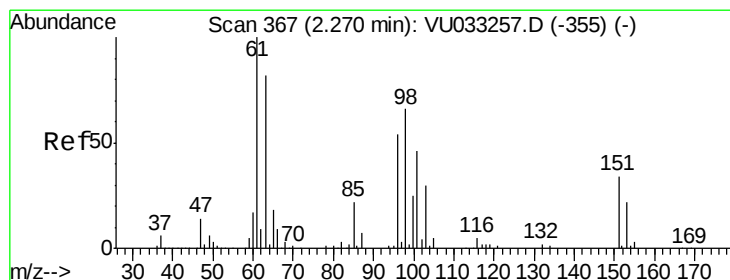
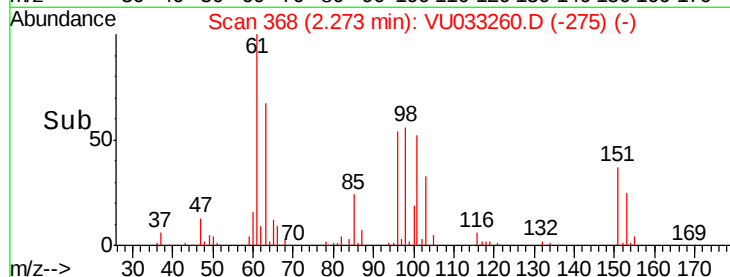
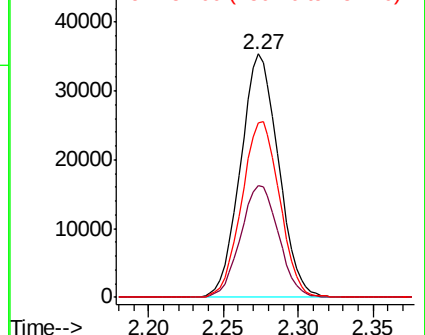
151 72.2 58.6 87.8



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: 5.000 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

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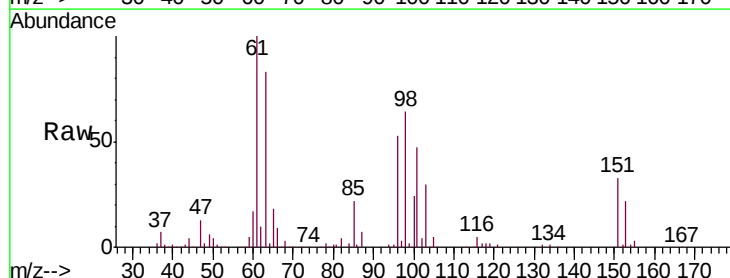
Tgt Ion: 96 Resp: 58053

Ion Ratio Lower Upper

96 100

61 190.2 129.3 240.1

63 158.0 108.9 202.3



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

