

Data File : VU031817.D
Acq On : 08 May 2019 11:48
Operator : JC/SP
Sample : VSTD02009
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02009

Quant Time: May 09 01:26:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 09 01:21:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	367038	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	367049	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	472171	16.60	ug/L	0.00
7) Chloroethane-d5	1.66	69	367674	16.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	991163	18.10	ug/L	0.00
20) 2-Butanone-d5	4.19	46	2057006	251.42	ug/L	0.00
24) Chloroform-d	4.64	84	1045657	21.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	583027	22.40	ug/L	0.00
32) Benzene-d6	5.33	84	1917036	19.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	679947	20.73	ug/L	0.00
41) Toluene-d8	7.56	98	1683125	19.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	259660	20.31	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	1528313	244.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	565263	21.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	589776	18.64	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	784657	23.511	ug/L	97
3) Chloromethane	1.32	50	918362	22.712	ug/L	99
5) Vinyl chloride	1.40	62	785388	20.210	ug/L	97
6) Bromomethane	1.60	94	393276	20.073	ug/L	97
8) Chloroethane	1.68	64	411651	18.794	ug/L	99
9) Trichlorofluoromethane	1.87	101	934585	20.700	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	480699	18.872	ug/L	98
12) 1,1-Dichloroethene	2.28	96	454384	17.945	ug/L	94
13) Acetone	2.32	43	1169174	203.759	ug/L	97
14) Carbon disulfide	2.47	76	1583422	18.771	ug/L	99
15) Methyl Acetate	2.61	43	296793	19.025	ug/L	99
16) Methylene chloride	2.69	84	532082	18.209	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	1367021	19.067	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	486189	18.361	ug/L	92
19) 1,1-Dichloroethane	3.43	63	1237211	22.879	ug/L	99
21) 2-Butanone	4.27	43	2253684	252.725	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	621741	21.828	ug/L	97
23) Bromochloromethane	4.54	128	235819	19.541	ug/L	98
25) Chloroform	4.67	83	1153848	22.926	ug/L	99
27) 1,2-Dichloroethane	5.40	62	811086	24.336	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	961084	21.994	ug/L	99
30) Cyclohexane	4.98	56	1191748	23.119	ug/L	99
31) Carbon tetrachloride	5.12	117	815436	21.866	ug/L	100
33) Benzene	5.38	78	2522010	21.513	ug/L	100
34) Trichloroethene	6.18	95	619832	20.364	ug/L	97
35) Methylcyclohexane	6.41	83	1033740	23.038	ug/L	97
37) 1,2-Dichloropropane	6.43	63	718129	22.452	ug/L	100
38) Bromodichloromethane	6.75	83	842891	22.664	ug/L	94
39) cis-1,3-Dichloropropene	7.26	75	994167	23.094	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	5482088	252.427	ug/L	99

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42) Toluene	7.63	91	2665501	22.547	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	800497	23.846	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	423973	20.511	ug/L	98
47) Tetrachloroethene	8.22	164	410483	19.804	ug/L	96
48) 2-Hexanone	8.36	43	4019588	262.761	ug/L	99
49) Dibromochloromethane	8.47	129	492768	20.969	ug/L	98
50) 1,2-Dibromoethane	8.58	107	404783	20.490	ug/L	97
51) Chlorobenzene	9.11	112	1524602	21.706	ug/L	98
52) Ethylbenzene	9.24	91	2943993	23.755	ug/L	100
53) m,p-Xylene	9.37	106	1054884	23.772	ug/L	96
54) o-Xylene	9.77	106	1023603	23.631	ug/L	97
55) Styrene	9.79	104	1821161	25.238	ug/L	99
56) Isopropylbenzene	10.16	105	2768544	24.164	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	588443	22.038	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	437387	22.364	ug/L	98
61) Bromoform	9.95	173	274057	19.400	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	1136840	21.024	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1165786	20.678	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1110328	20.657	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	102458	22.605	ug/L	88
67) 1,3,5-Trichlorobenzene	12.88	180	894787	21.657	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	725148	22.498	ug/L	97
69) Naphthalene	13.74	128	1426943	23.476	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	689972	21.852	ug/L	98

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

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ALS Vial      : 6      Sample Multiplier: 1
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MSVOA_U
ClientSampleId :
VSTD02009

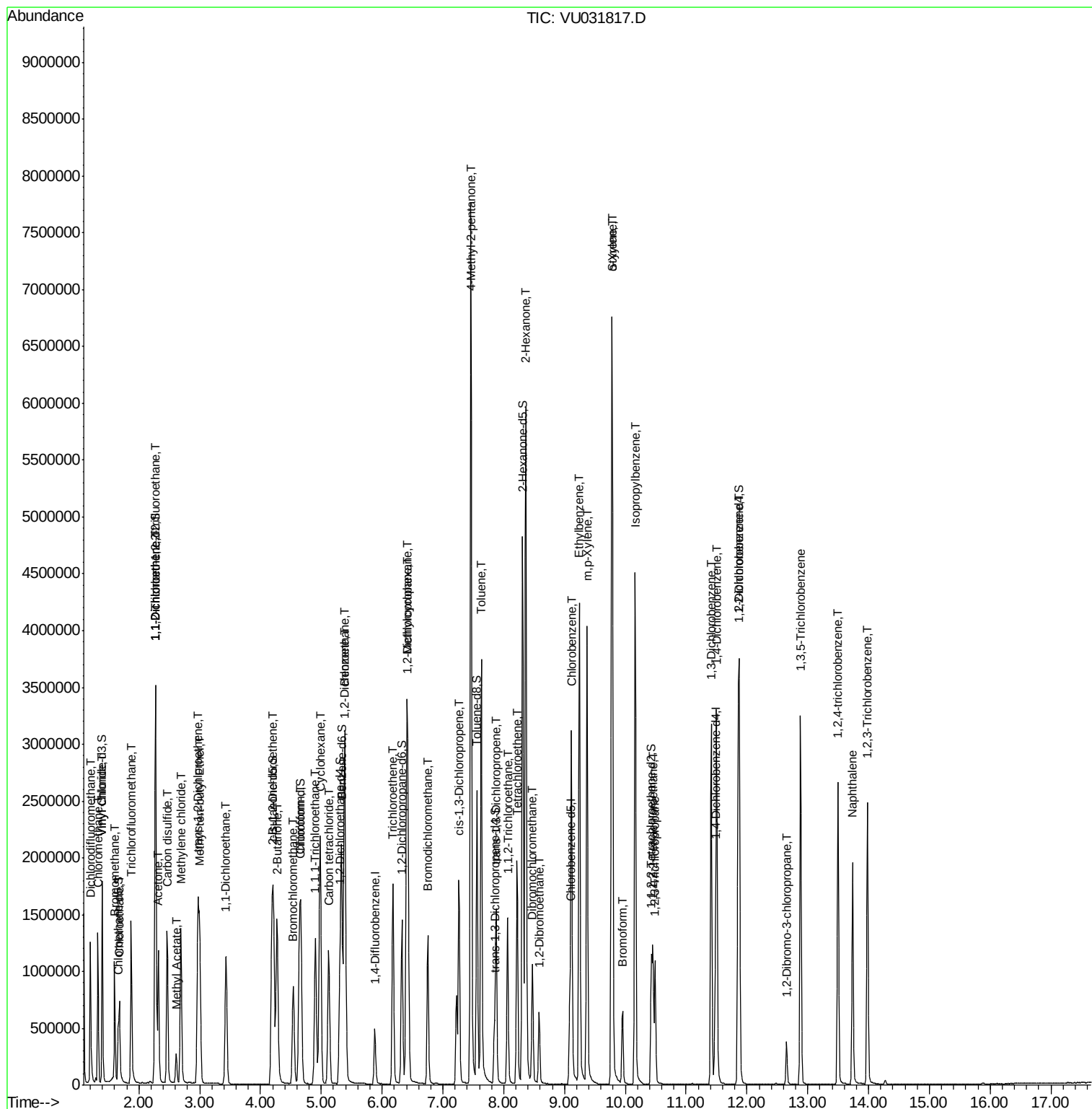
Quant Time: May 09 01:26:40 2019

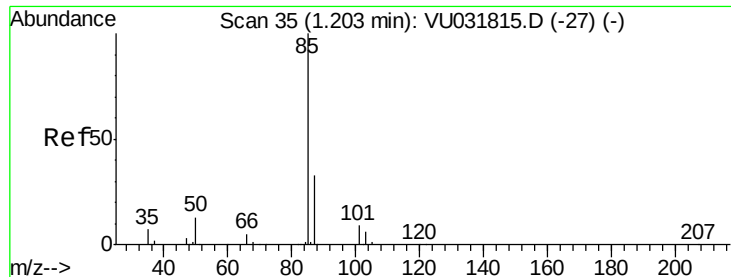
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR050819WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 23.511 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

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Acq: 08 May 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

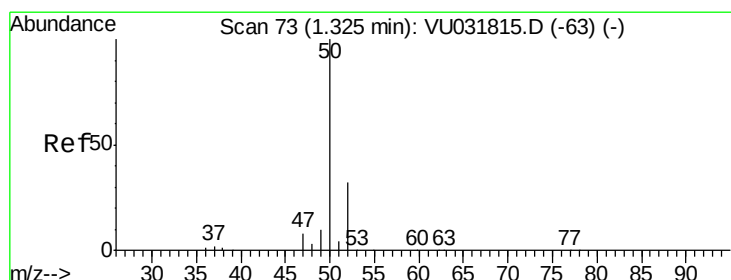
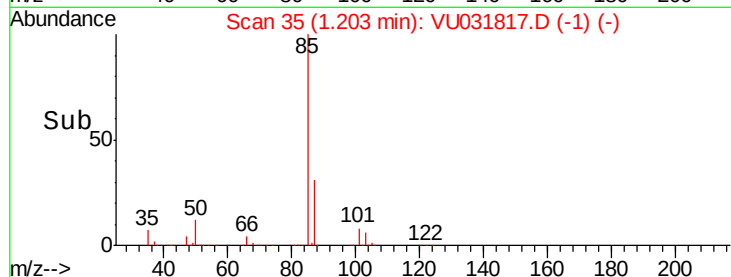
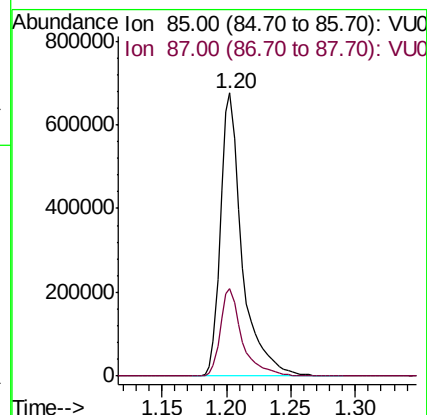
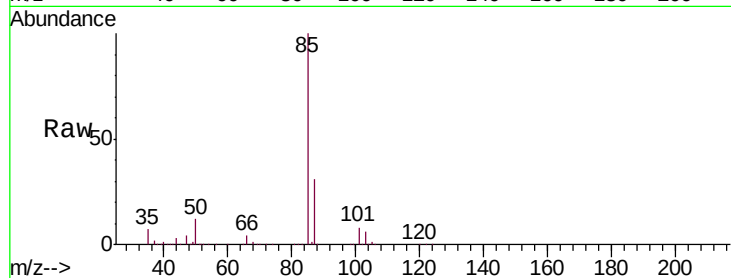
VSTD02009

Tgt Ion: 85 Resp: 784657

Ion Ratio Lower Upper

85 100

87 31.2 26.2 39.4



#3

Chloromethane

Concen: 22.712 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031817.D

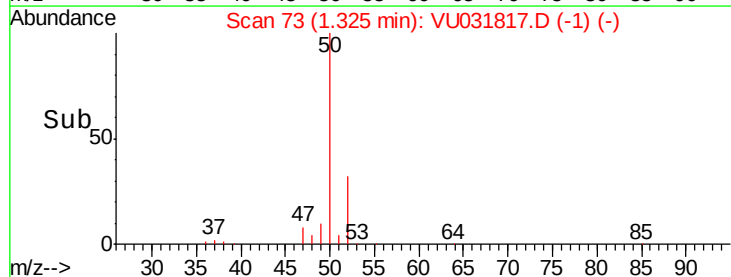
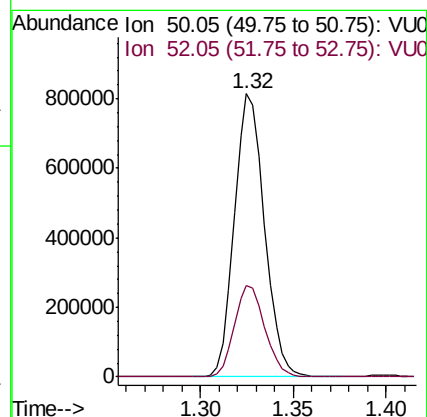
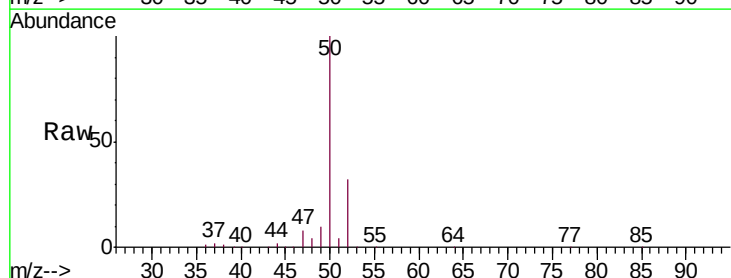
Acq: 08 May 2019 11:48

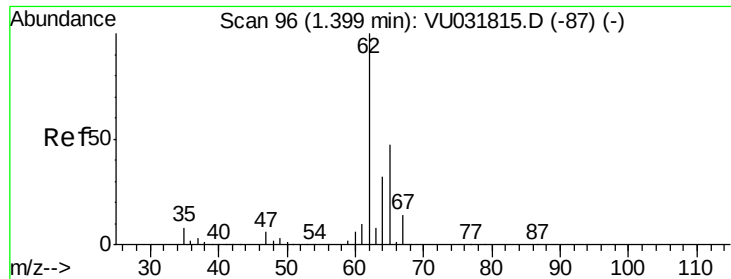
Tgt Ion: 50 Resp: 918362

Ion Ratio Lower Upper

50 100

52 32.5 22.5 41.7





#5

Vinyl chloride

Concen: 20.210 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031817.D

Acq: 08 May 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

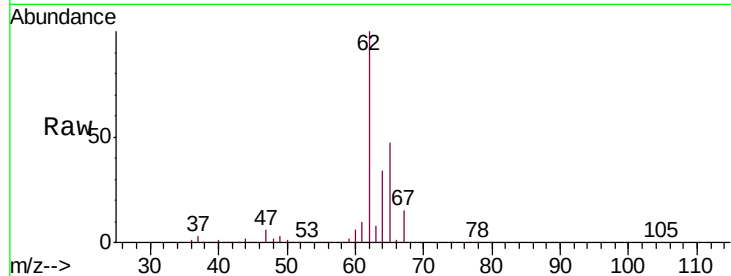
VSTD02009

Tgt Ion: 62 Resp: 785388

Ion Ratio Lower Upper

62 100

64 33.6 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU031817.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031817.D (-87) (-)

1.40

800000

600000

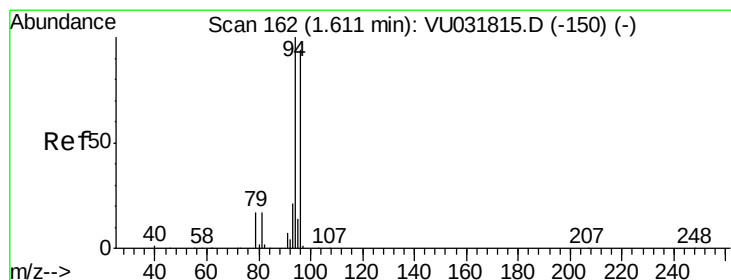
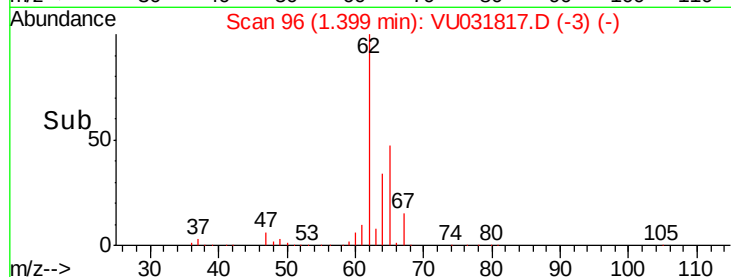
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 20.073 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU031817.D

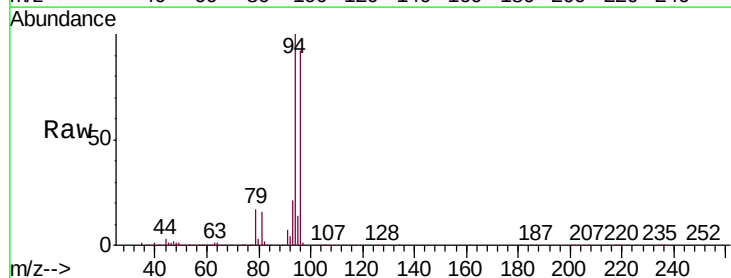
Acq: 08 May 2019 11:48

Tgt Ion: 94 Resp: 393276

Ion Ratio Lower Upper

94 100

96 91.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU031817.D (-150) (-)

Ion 96.00 (95.70 to 96.70): VU031817.D (-150) (-)

1.60

400000

300000

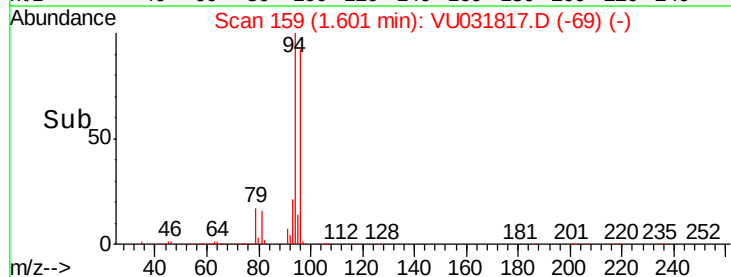
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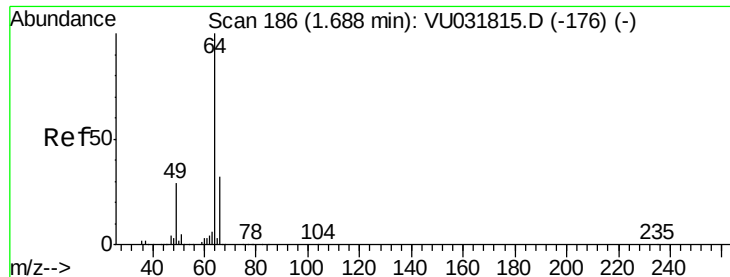
100000

0

1.55 1.60 1.65

Time-->

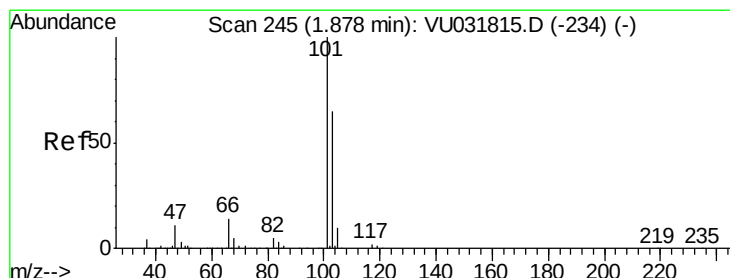
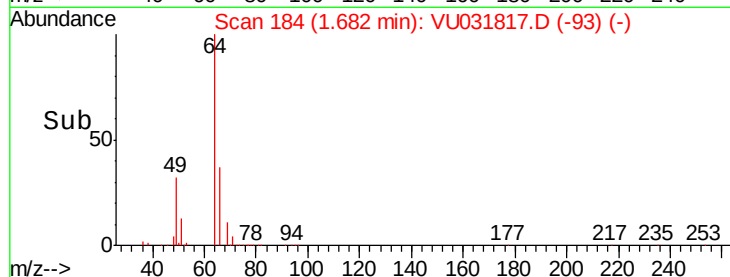
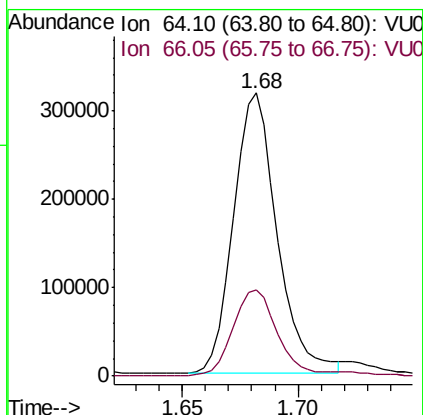
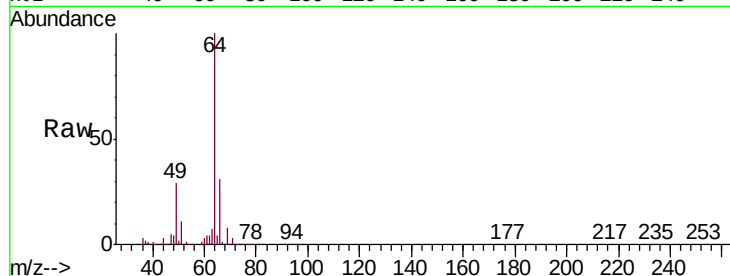




#8
Chloroethane
Concen: 18.794 ug/L
RT: 1.68 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

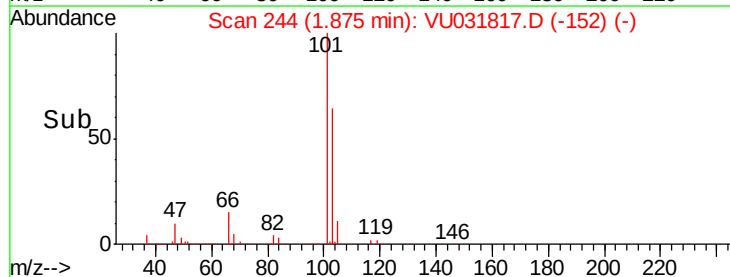
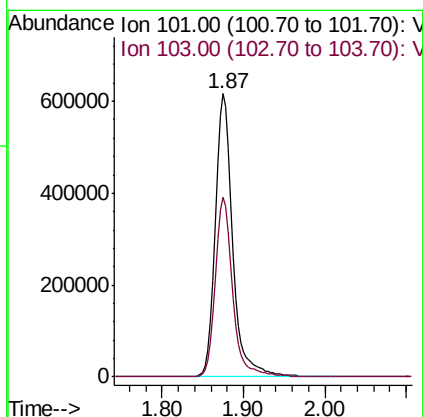
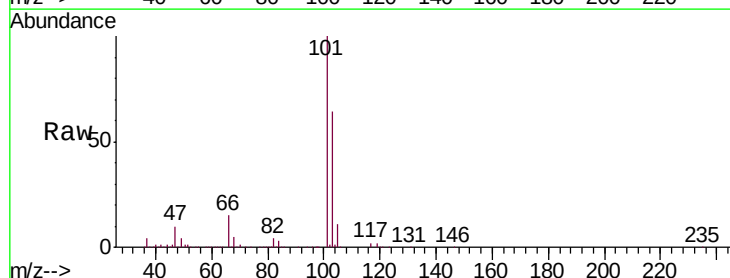
Instrument :
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ClientSampleId :
VSTD02009

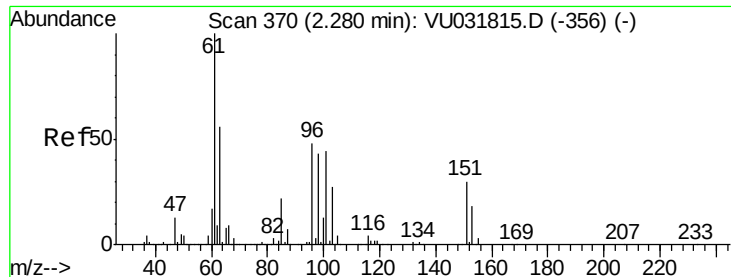
Tgt Ion: 64 Resp: 411651
Ion Ratio Lower Upper
64 100
66 30.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 20.700 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

Tgt Ion: 101 Resp: 934585
Ion Ratio Lower Upper
101 100
103 63.7 52.1 78.1





#10

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

Concen: 18.872 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031817.D

Acq: 08 May 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD02009

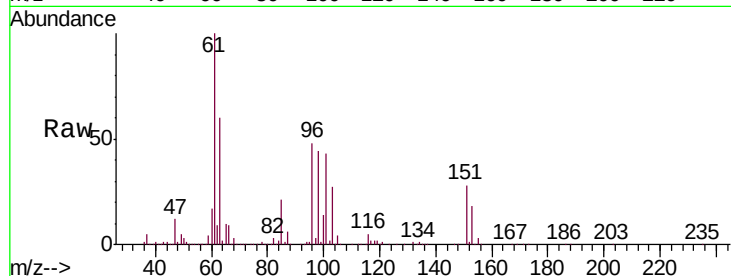
Tgt Ion: 101 Resp: 480699

Ion Ratio Lower Upper

101 100

85 47.2 40.0 60.0

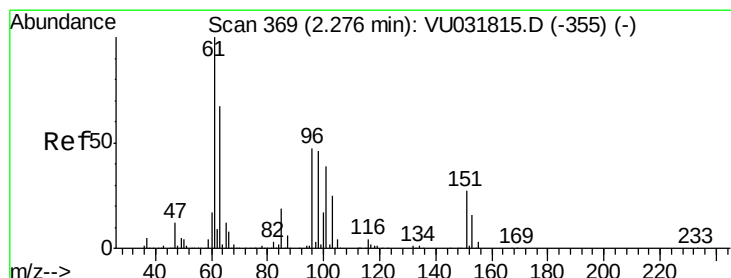
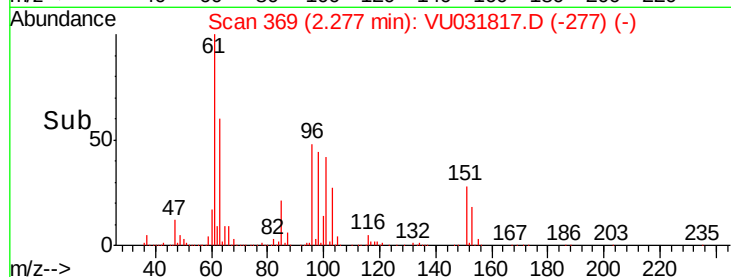
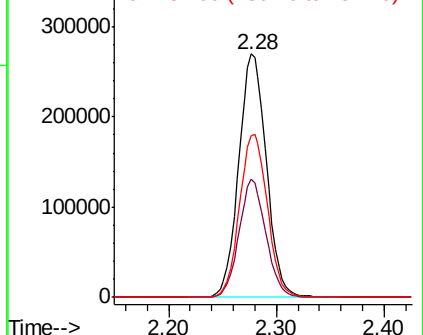
151 67.7 54.6 82.0



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: 17.945 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031817.D

Acq: 08 May 2019 11:48

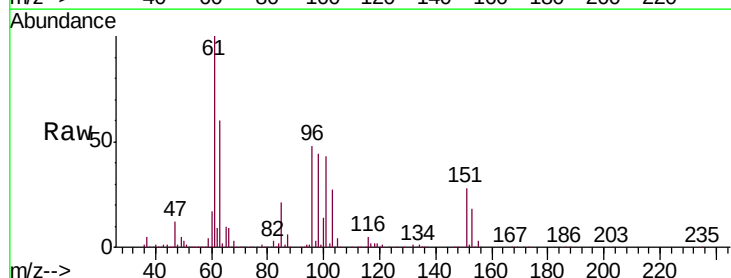
Tgt Ion: 96 Resp: 454384

Ion Ratio Lower Upper

96 100

61 210.2 149.0 276.6

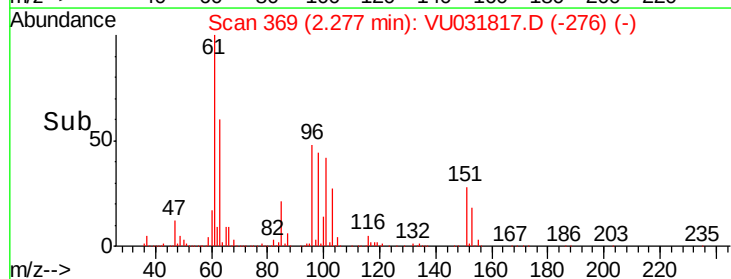
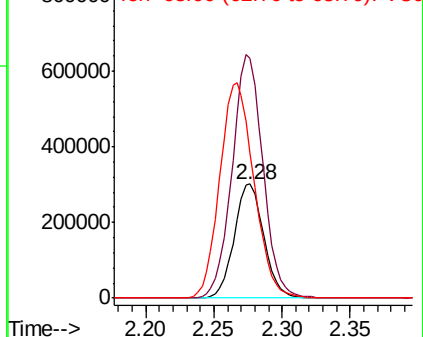
63 126.7 99.8 185.4

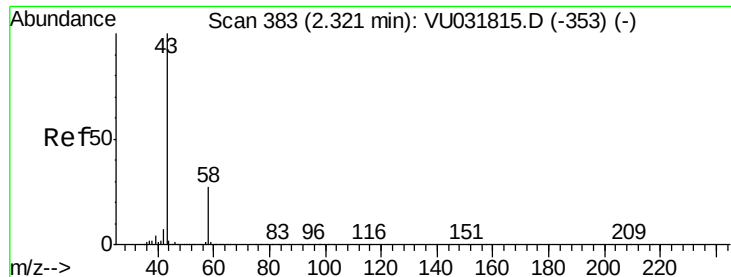


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

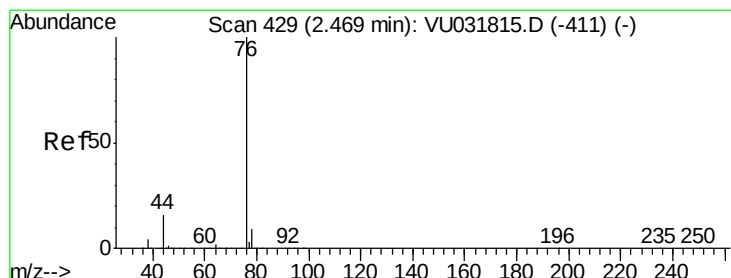
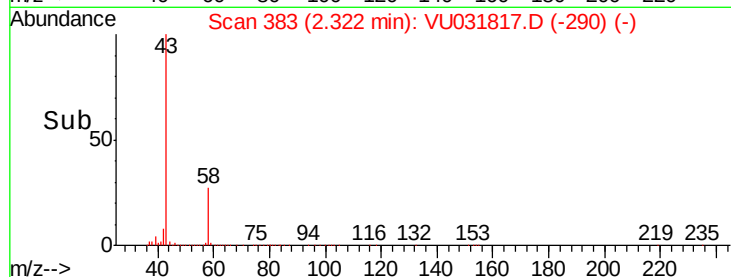
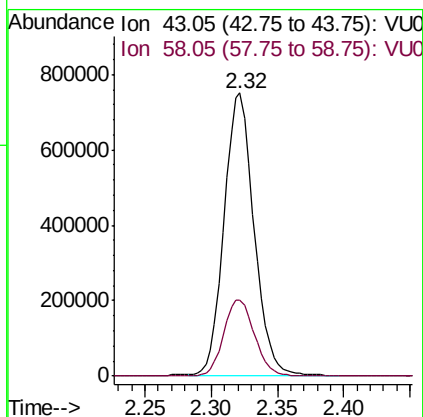
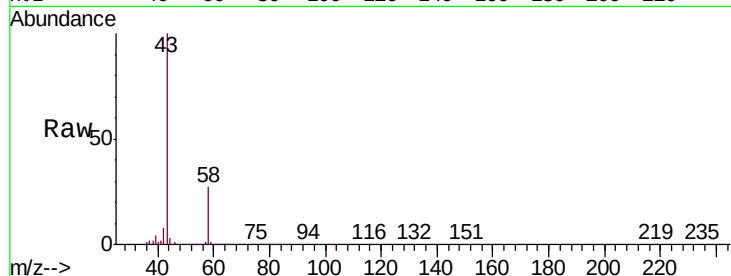




#13
Acetone
Concen: 203.759 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

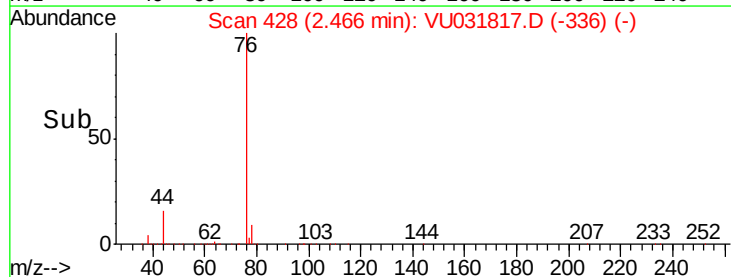
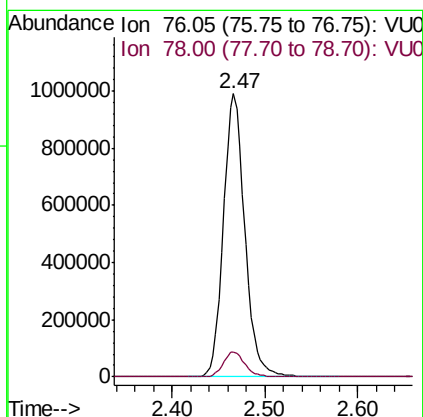
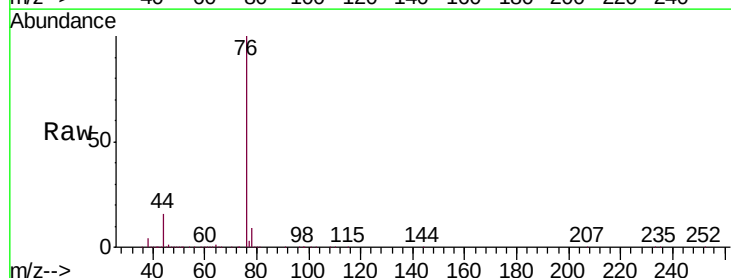
Instrument :
MSVOA_U
ClientSampleId :
VSTD02009

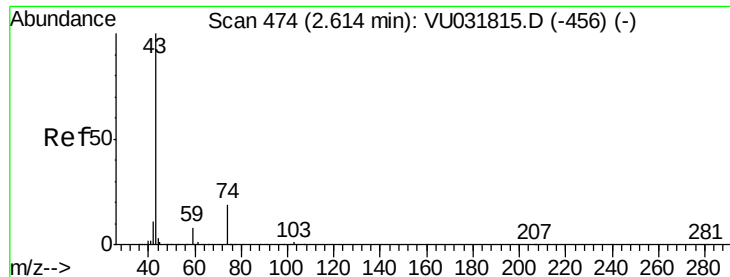
Tgt Ion: 43 Resp: 1169174
Ion Ratio Lower Upper
43 100
58 28.4 0.0 53.6



#14
Carbon disulfide
Concen: 18.771 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

Tgt Ion: 76 Resp: 1583422
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

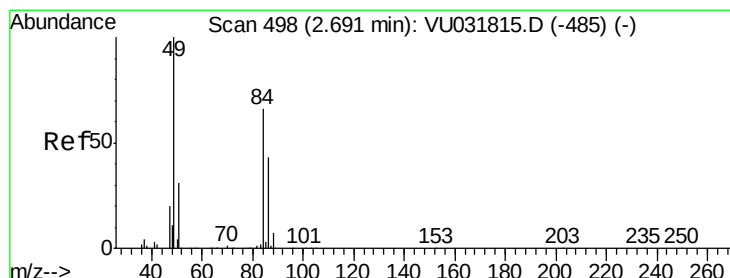
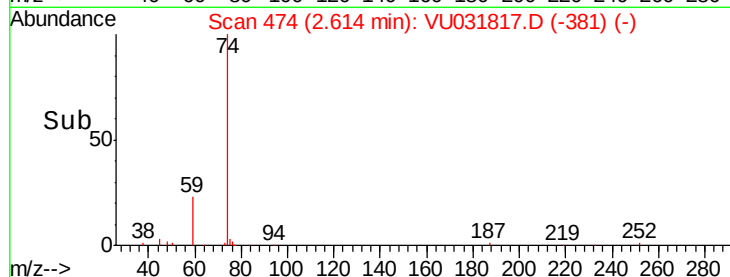
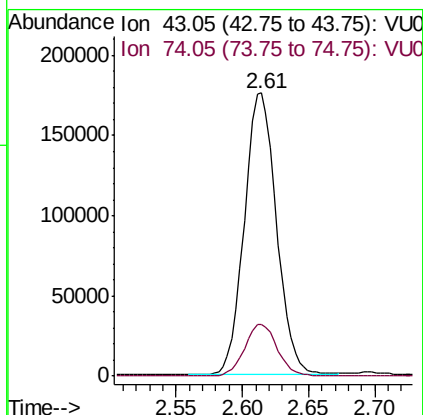
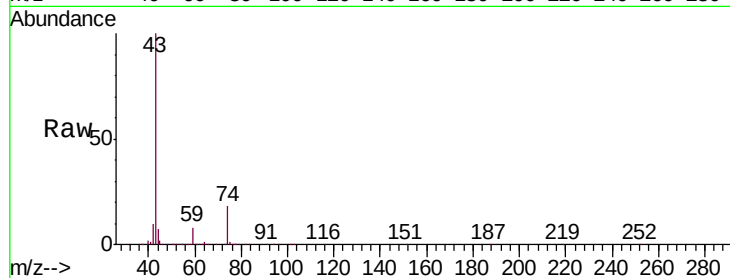




#15
Methyl Acetate
Concen: 19.025 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

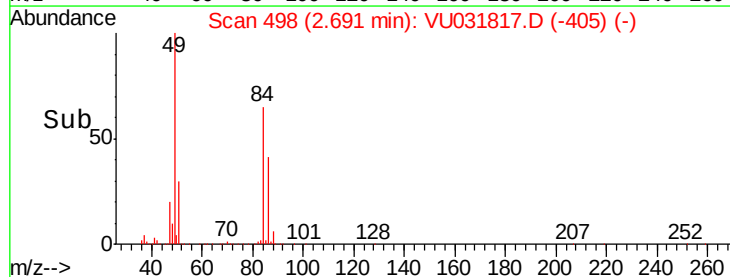
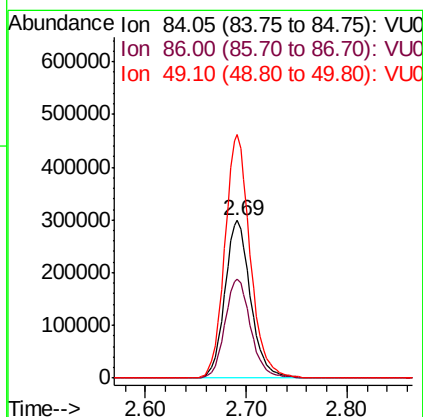
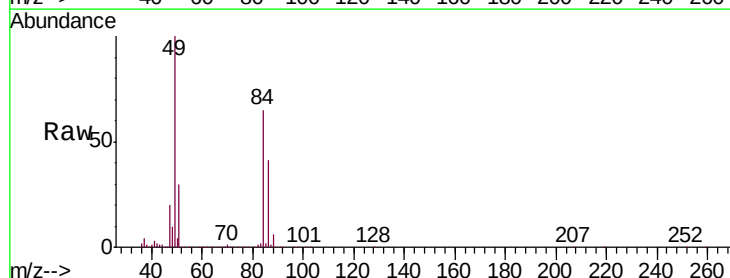
Instrument :
MSVOA_U
ClientSampleId :
VSTD02009

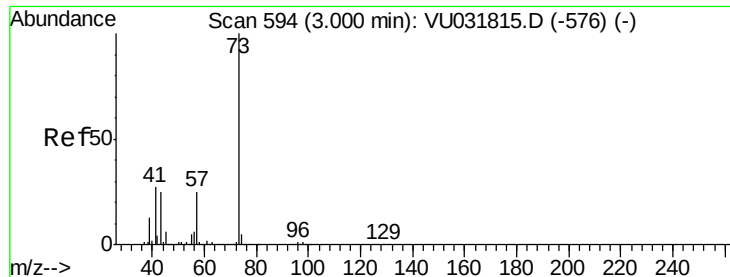
Tgt Ion: 43 Resp: 296793
Ion Ratio Lower Upper
43 100
74 18.6 14.7 22.1



#16
Methylene chloride
Concen: 18.209 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

Tgt Ion: 84 Resp: 532082
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.8
49 154.7 106.7 198.1



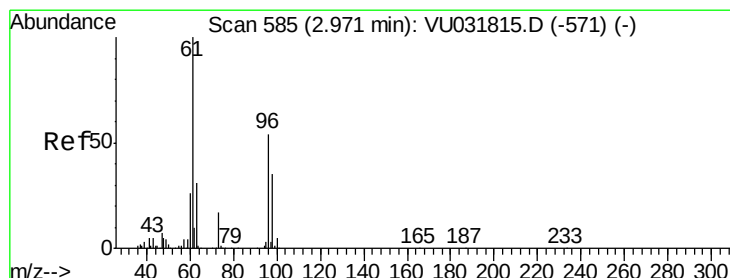
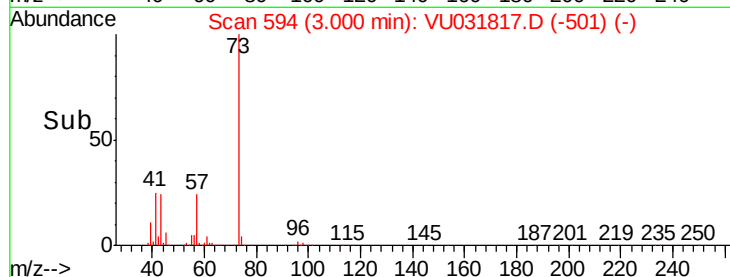
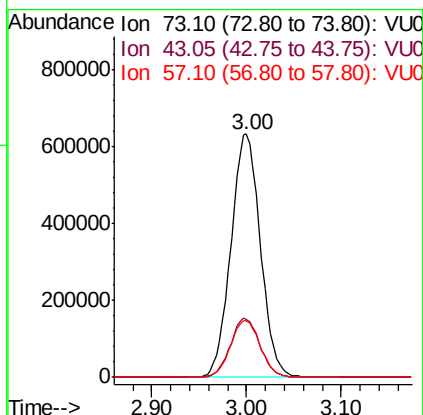
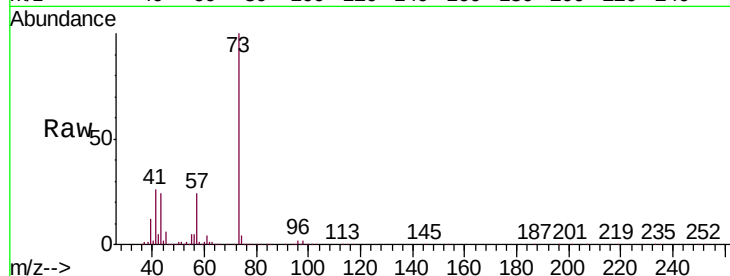


#17
Methyl tert-butyl Ether
Concen: 19.067 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD02009

Tgt Ion: 73 Resp: 1367021

Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.5	30.7
57	23.9	19.9	29.9



#18
trans-1,2-Dichloroethene
Concen: 18.361 ug/L
RT: 2.97 min Scan# 584
Delta R.T. -0.00 min
Lab File: VU031817.D
Acq: 08 May 2019 11:48

Tgt Ion: 96 Resp: 486189

Ion	Ratio	Lower	Upper
96	100		
61	174.0	130.9	243.1
98	61.4	46.2	85.8

