

Data File : VU038028.D
Acq On : 07 May 2020 09:45
Operator : JC/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Quant Time: May 07 11:14:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 11:12:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	486219	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	480048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	229377	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24281	0.66	ug/L	0.00
7) Chloroethane-d5	1.93	69	21426	0.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	41551	0.64	ug/L	0.00
20) 2-Butanone-d5	4.68	46	58798	5.82	ug/L	0.00
24) Chloroform-d	5.11	84	35071	0.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	22246	0.66	ug/L	0.00
32) Benzene-d6	5.76	84	76406	0.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	24771	0.59	ug/L	0.00
41) Toluene-d8	7.93	98	68536	0.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9790	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	46063	4.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	19157	0.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	24520	0.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	24081	0.571 ug/L	98
3) Chloromethane	1.53	50	27978	0.536 ug/L	95
5) Vinyl chloride	1.62	62	27564	0.538 ug/L	93
6) Bromomethane	1.87	94	16298	0.554 ug/L	99
8) Chloroethane	1.95	64	17555	0.584 ug/L	97
9) Trichlorofluoromethane	2.16	101	28149	0.512 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17785	0.556 ug/L	98
12) 1,1-Dichloroethene	2.60	96	18000	0.536 ug/L	92
13) Acetone	2.66	43	39519	5.932 ug/L	94
14) Carbon disulfide	2.82	76	66956	0.547 ug/L #	93
15) Methyl Acetate	2.98	43	11792	0.637 ug/L	95
16) Methylene chloride	3.08	84	21334	0.564 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	48651	0.501 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	19832	0.545 ug/L	98
19) 1,1-Dichloroethane	3.91	63	38350	0.545 ug/L	98
21) 2-Butanone	4.76	43	65942	5.448 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	20043	0.510 ug/L	95
23) Bromochloromethane	5.01	128	8583	0.515 ug/L	95
25) Chloroform	5.13	83	34703	0.519 ug/L	98
27) 1,2-Dichloroethane	5.83	62	25628	0.567 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	27614	0.474 ug/L	97
30) Cyclohexane	5.42	56	33103	0.459 ug/L	99
31) Carbon tetrachloride	5.56	117	21978	0.474 ug/L	94
33) Benzene	5.81	78	76781	0.484 ug/L	100
34) Trichloroethene	6.57	95	20813	0.534 ug/L	98
35) Methylcyclohexane	6.79	83	29949	0.438 ug/L	96
37) 1,2-Dichloropropane	6.83	63	22254	0.529 ug/L	99
38) Bromodichloromethane	7.13	83	24583	0.491 ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	28748	0.437 ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	145878	4.717 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	83997	0.506	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	24493	0.428	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	15029	0.530	ug/L	94
47) Tetrachloroethene	8.57	164	14497	0.518	ug/L	90
48) 2-Hexanone	8.71	43	107479	4.854	ug/L	99
49) Dibromochloromethane	8.83	129	14369	0.444	ug/L	95
50) 1,2-Dibromoethane	8.95	107	13660	0.501	ug/L #	96
51) Chlorobenzene	9.47	112	52006	0.513	ug/L	99
52) Ethylbenzene	9.59	91	88105	0.477	ug/L	98
53) m,p-Xylene	9.71	106	33293	0.476	ug/L	93
54) o-Xylene	10.12	106	31345	0.455	ug/L	93
55) Styrene	10.13	104	52381	0.445	ug/L	97
56) Isopropylbenzene	10.50	105	82142	0.455	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	19397	0.526	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	14745	0.536	ug/L	100
61) Bromoform	10.31	173	7388	0.405	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	39180	0.510	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	40079	0.520	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	37013	0.512	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	3228	0.482	ug/L	86
67) 1,3,5-Trichlorobenzene	13.25	180	27784	0.493	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	23740	0.459	ug/L	95
69) Naphthalene	14.12	128	50768	0.485	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	23736	0.515	ug/L	98

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

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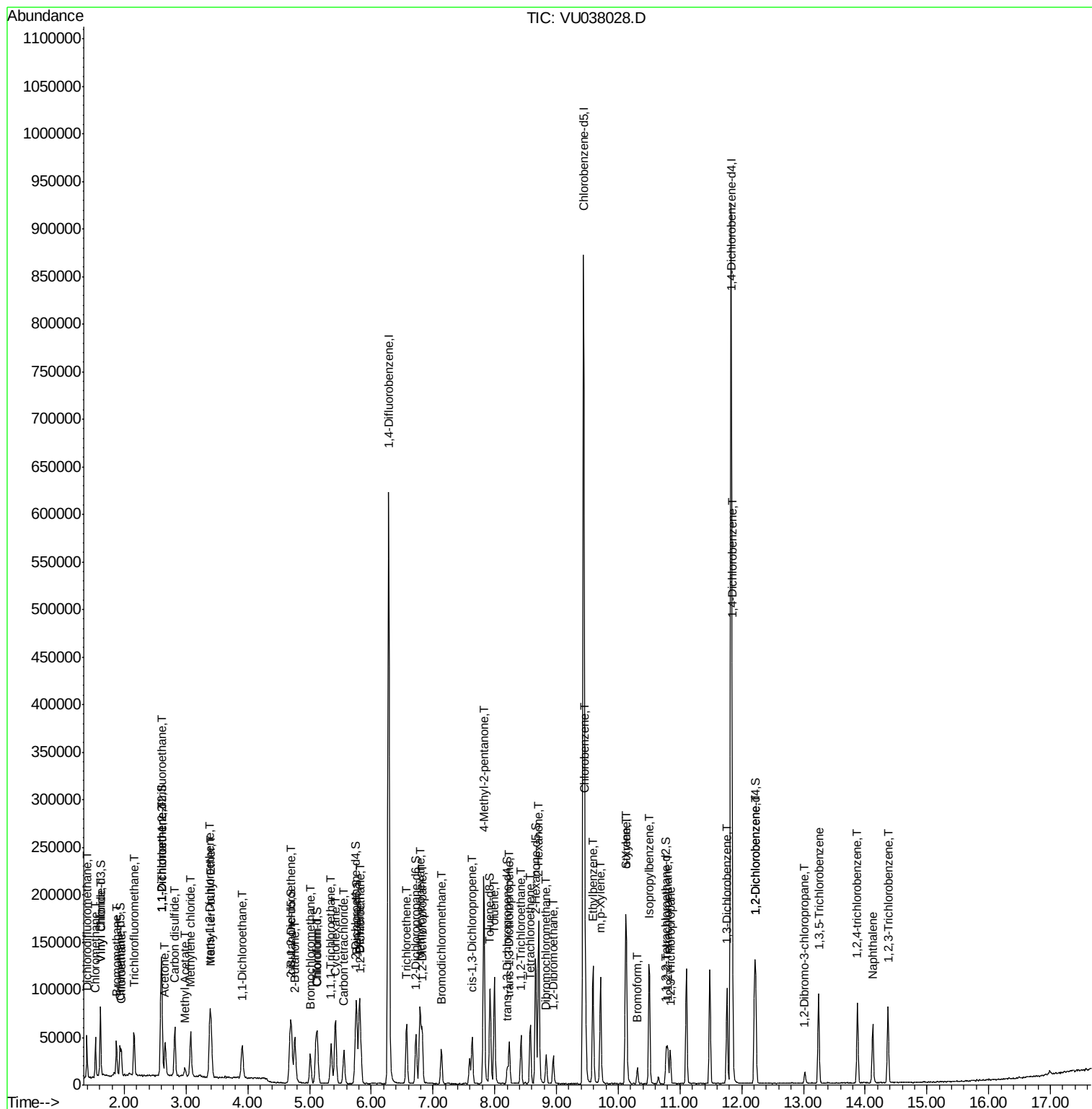
Quant Time: May 07 11:14:22 2020

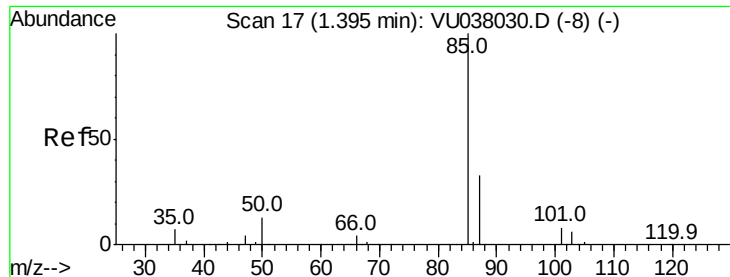
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR050720WMA.M

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#2

Dichlorodifluoromethane

Concen: 0.571 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038028.D

Acq: 07 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

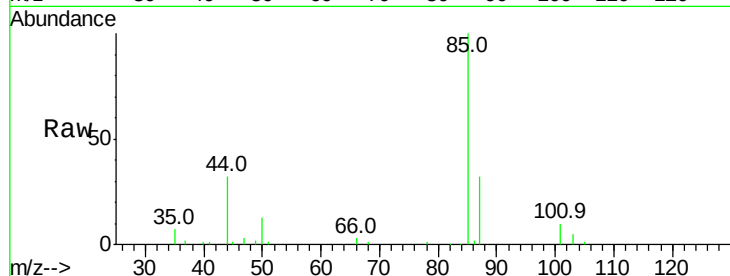
VSTD0.506

Tgt Ion: 85 Resp: 24081

Ion Ratio Lower Upper

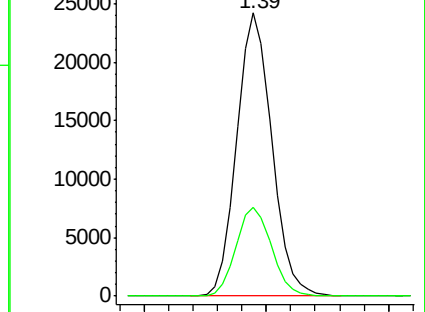
85 100

87 31.6 26.2 39.4

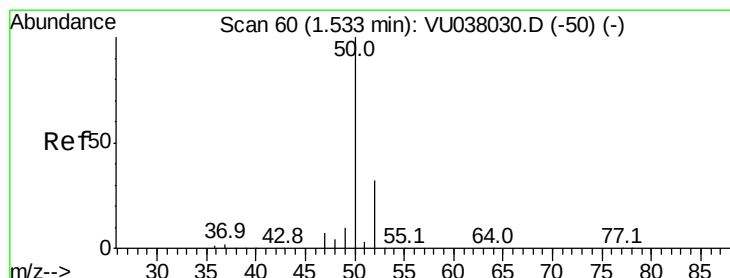
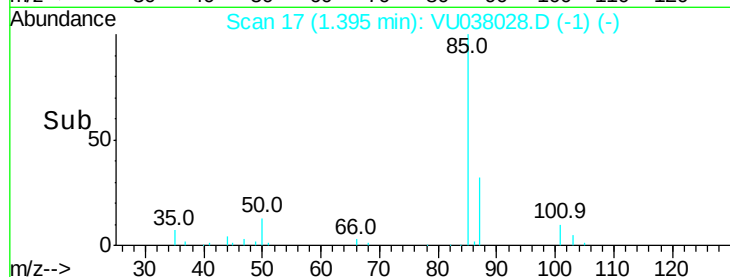


Abundance Ion 85.00 (84.70 to 85.70): VU038030.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038030.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 0.536 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038028.D

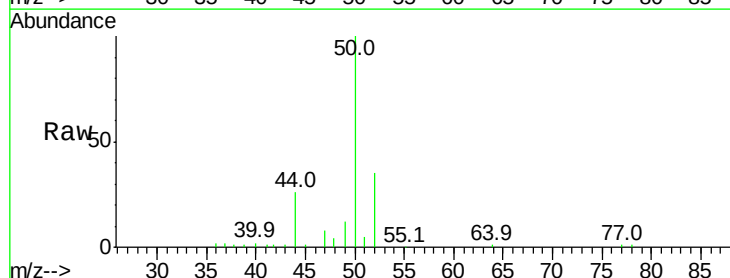
Acq: 07 May 2020 09:45

Tgt Ion: 50 Resp: 27978

Ion Ratio Lower Upper

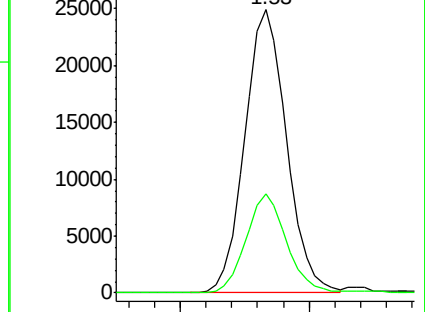
50 100

52 34.9 22.5 41.7

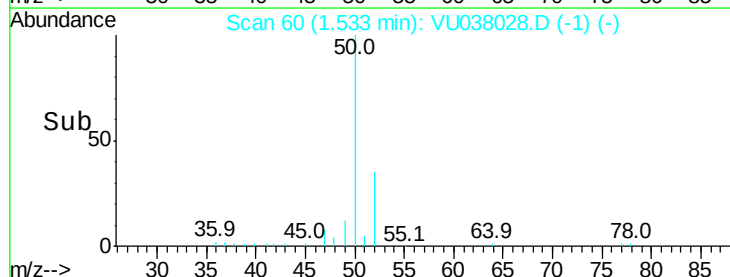


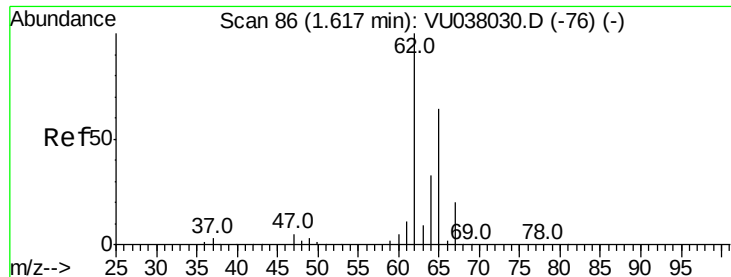
Abundance Ion 50.05 (49.75 to 50.75): VU038030.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038030.D (-50) (-)



Time-->





#5

Vinyl chloride

Concen: 0.538 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038028.D

Acq: 07 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

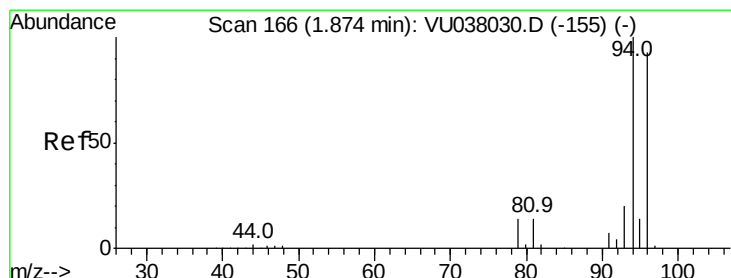
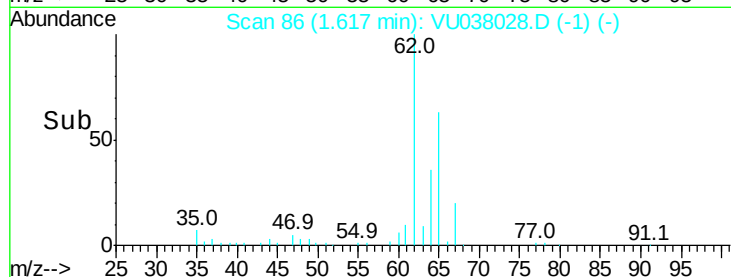
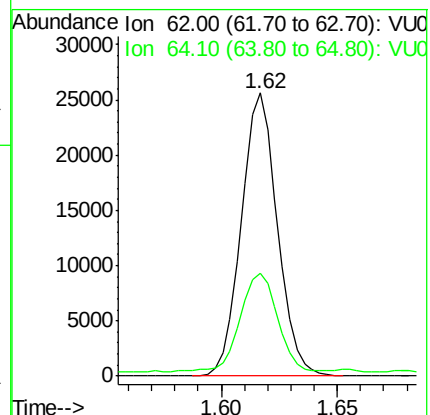
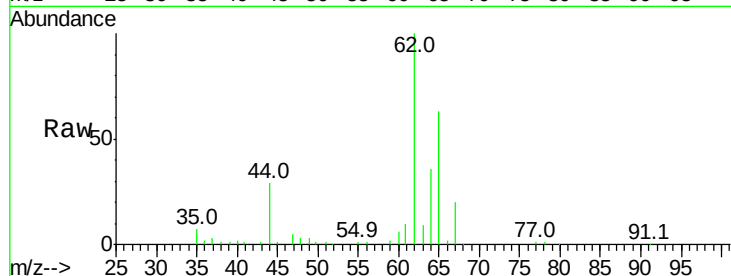
VSTD0.506

Tgt Ion: 62 Resp: 27564

Ion Ratio Lower Upper

62 100

64 36.5 22.8 42.4



#6

Bromomethane

Concen: 0.554 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038028.D

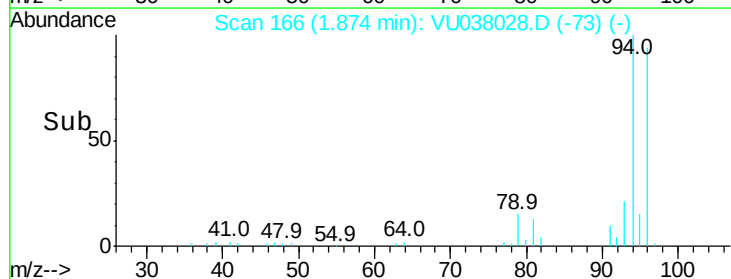
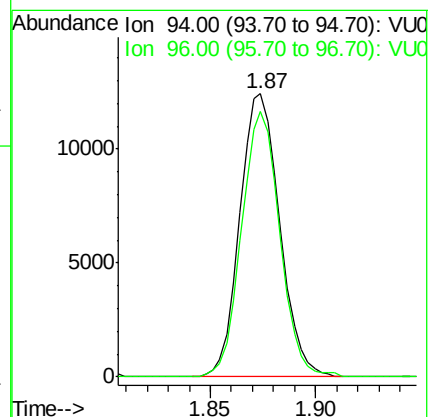
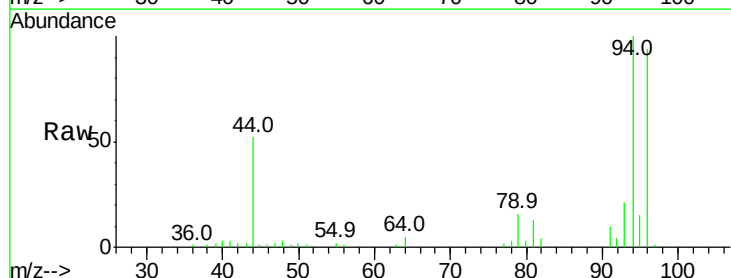
Acq: 07 May 2020 09:45

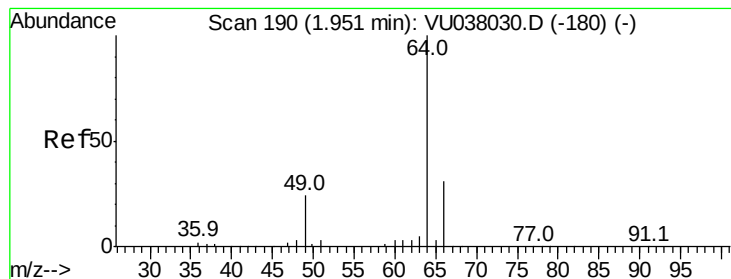
Tgt Ion: 94 Resp: 16298

Ion Ratio Lower Upper

94 100

96 93.6 65.0 120.8





#8

Chloroethane

Concen: 0.584 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038028.D

Acq: 07 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

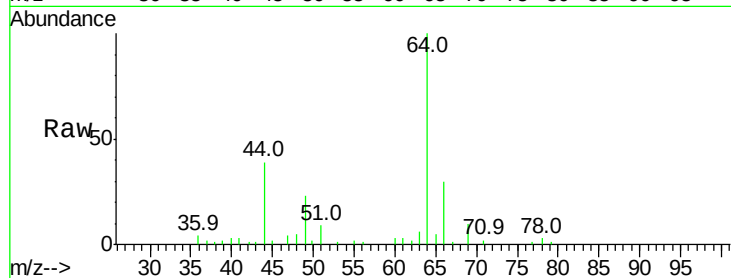
VSTD0.506

Tgt Ion: 64 Resp: 17555

Ion Ratio Lower Upper

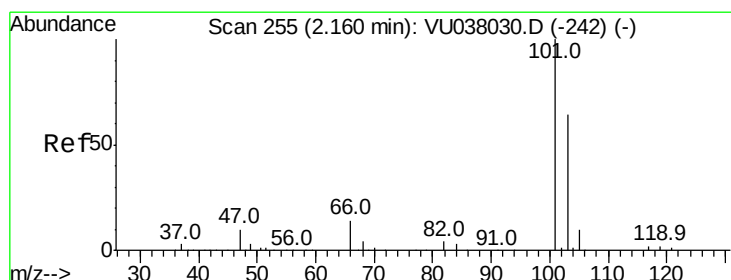
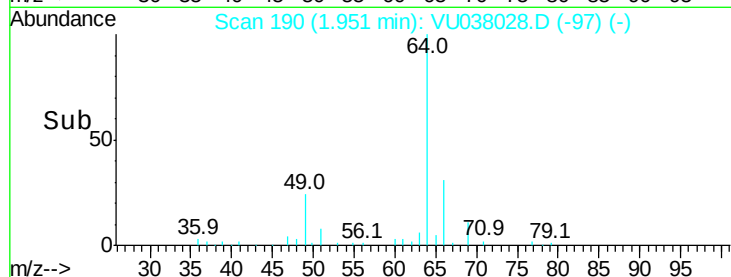
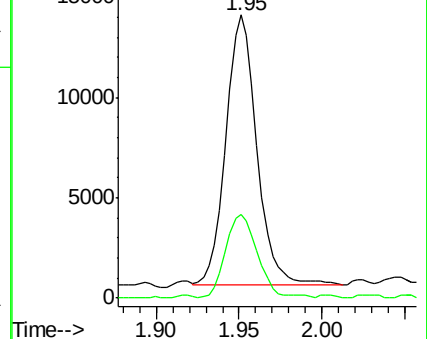
64 100

66 29.7 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038028.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU038028.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 0.512 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038028.D

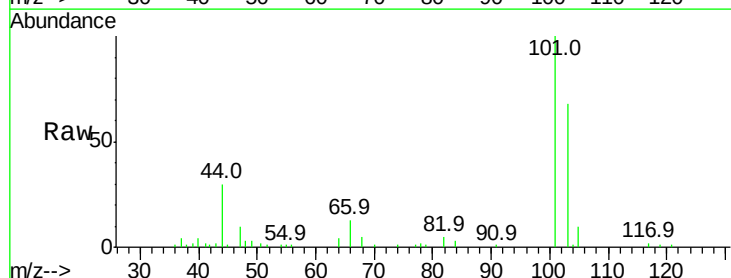
Acq: 07 May 2020 09:45

Tgt Ion: 101 Resp: 28149

Ion Ratio Lower Upper

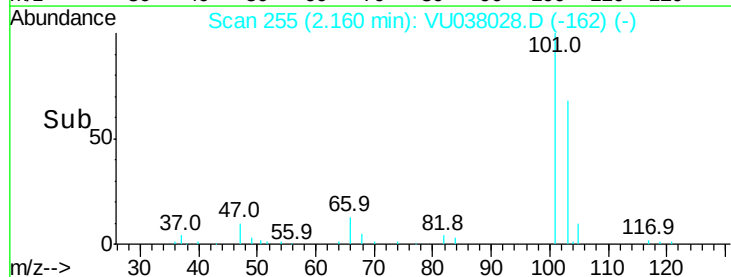
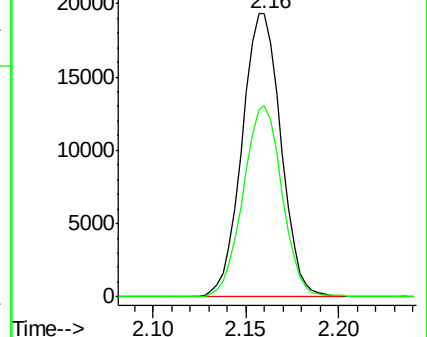
101 100

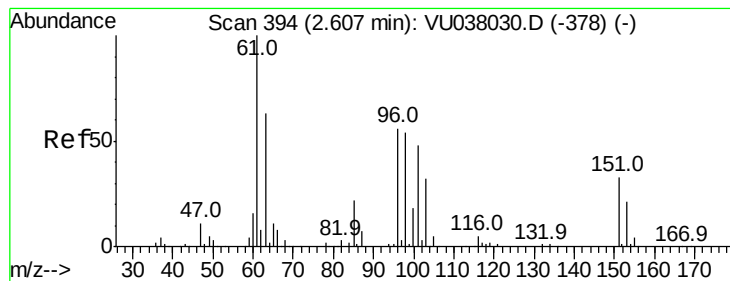
103 67.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038028.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038028.D (-242) (-)





#10

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

Concen: 0.556 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038028.D

Acq: 07 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

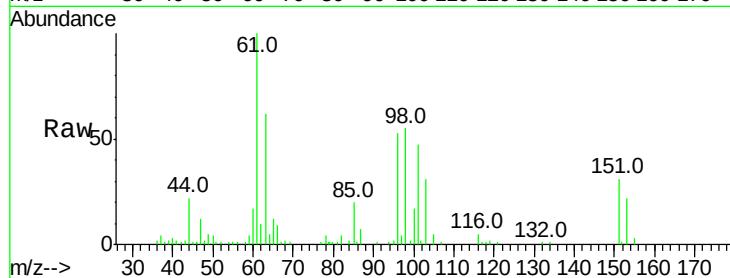
Tgt Ion:101 Resp: 17785

Ion Ratio Lower Upper

101 100

85 41.3 35.3 52.9

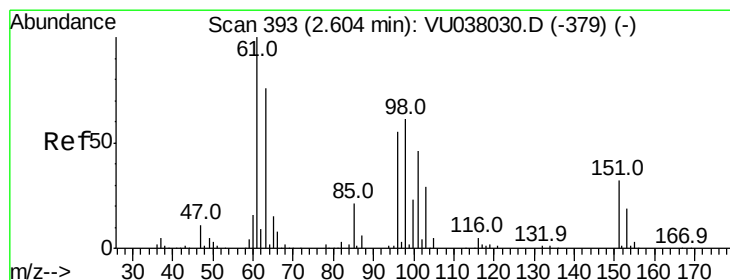
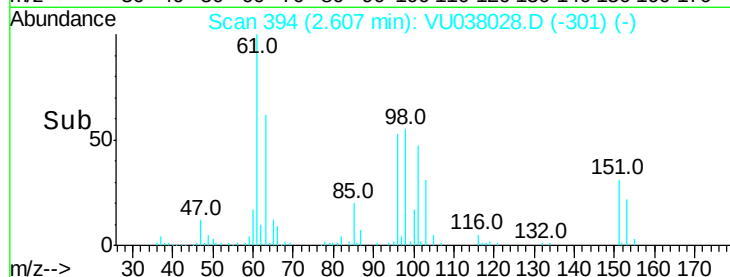
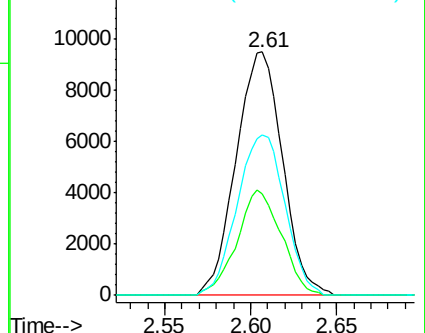
151 67.8 54.2 81.2



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: 0.536 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038028.D

Acq: 07 May 2020 09:45

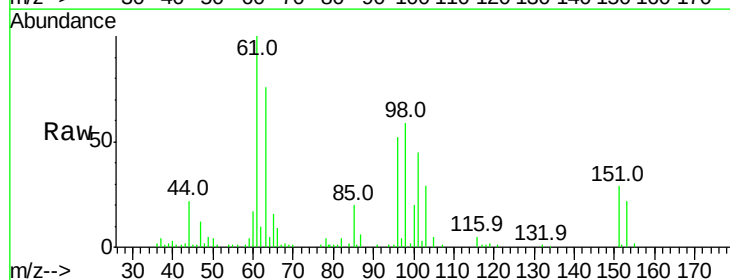
Tgt Ion: 96 Resp: 18000

Ion Ratio Lower Upper

96 100

61 192.5 126.2 234.4

63 146.2 96.9 179.9



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

