

Data File : VU029785.D
Acq On : 04 Mar 2019 15:10
Operator : JC/SP
Sample : K1657-16MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB660MSD

Quant Time: Mar 05 00:41:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 05 00:37:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	438140	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427830	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	211493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	120338	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.96%
7) Chloroethane-d5	1.67	69	110189	38.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.22%
11) 1,1-Dichloroethene-d2	2.27	63	250635	39.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.88%
21) 2-Butanone-d5	4.17	46	230702	118.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.08%
24) Chloroform-d	4.64	84	241666	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
26) 1,2-Dichloroethane-d4	5.31	65	158089	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
32) Benzene-d6	5.34	84	541582	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.33	67	173124	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.90%
41) Toluene-d8	7.56	98	498131	45.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.68%
43) trans-1,3-Dichloropropene-	7.85	79	77753	45.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.52%
47) 2-Hexanone-d5	8.31	63	193644	107.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	274302	50.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	217854	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	122875	21.536	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2461	0.806	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	141184	48.660	ug/L	85
13) Acetone	2.32	43	6995	3.350	ug/L	98
25) Chloroform	4.67	83	19480	3.770	ug/L	89
27) 1,2-Dichloroethane	5.39	62	5295	1.333	ug/L #	73
33) Benzene	5.39	78	636941	58.068	ug/L	100
34) Trichloroethene	6.18	95	162469	54.983	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	4424	0.952	ug/L #	57
42) Toluene	7.63	91	710652	54.785	ug/L	98
51) Chlorobenzene	9.12	112	473959	53.235	ug/L	100
59) 1,2,3-Trichloropropane	11.48	75	20661	5.033	ug/L	96

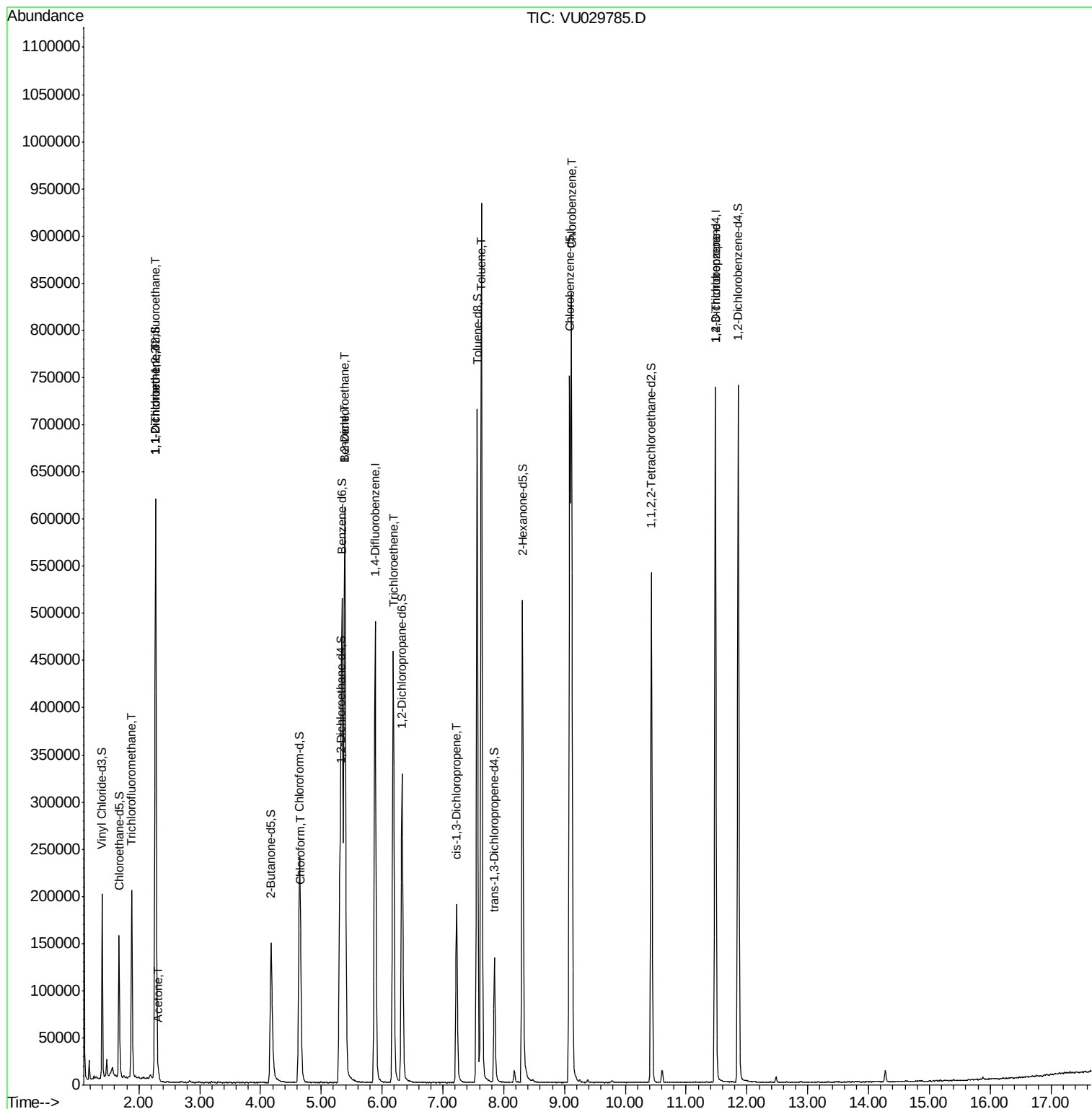
(#) = qualifier out of range (m) = manual integration (+) = signals summed

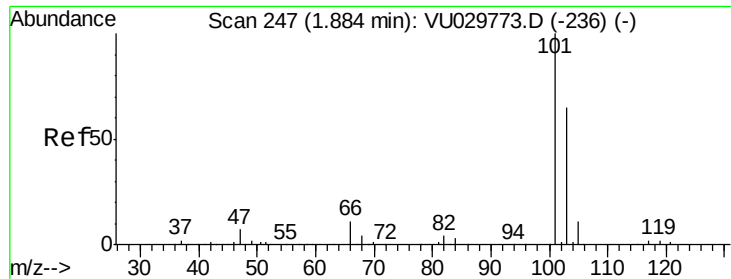
Data File : VU029785.D

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#9

Trichlorofluoromethane

Concen: 21.536 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU029785.D

Acq: 04 Mar 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

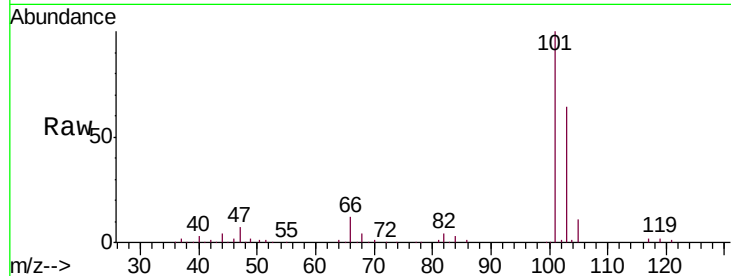
DB660MSD

Tgt Ion:101 Resp: 122875

Ion Ratio Lower Upper

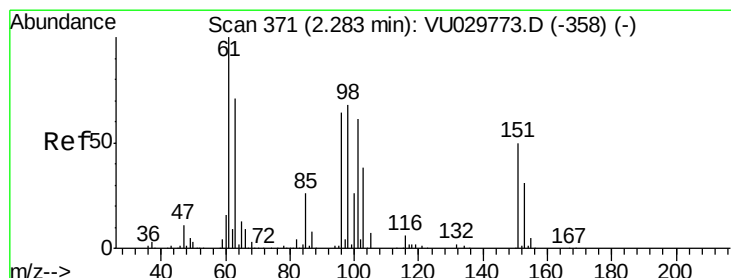
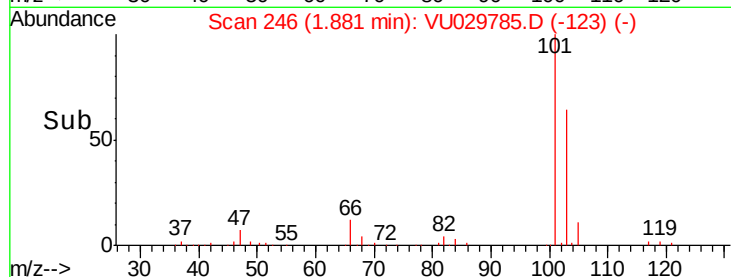
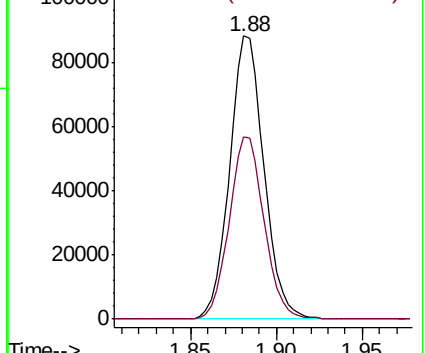
101 100

103 65.2 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.806 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029785.D

Acq: 04 Mar 2019 15:10

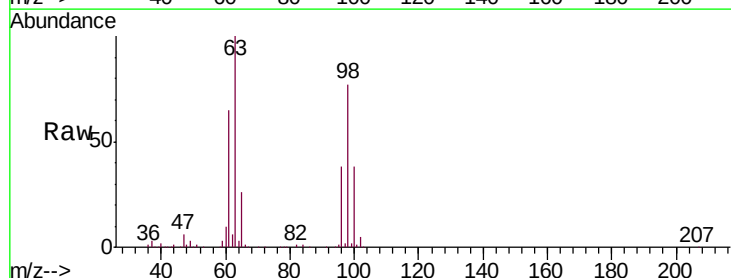
Tgt Ion:101 Resp: 2461

Ion Ratio Lower Upper

101 100

85 4.5 33.0 49.6#

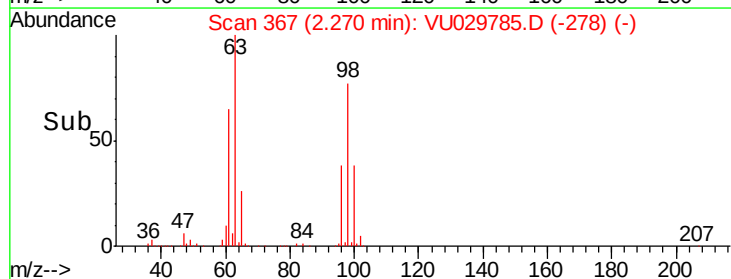
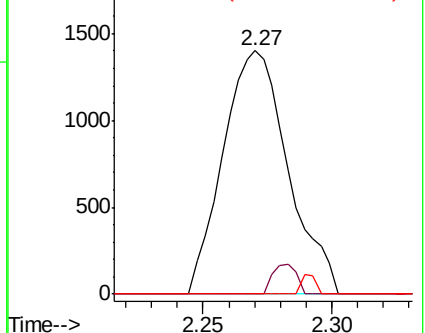
151 1.7 65.7 98.5#

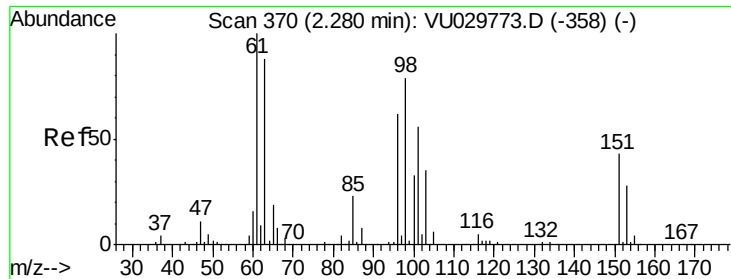


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

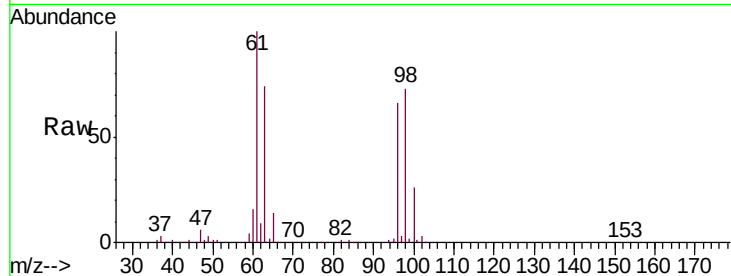




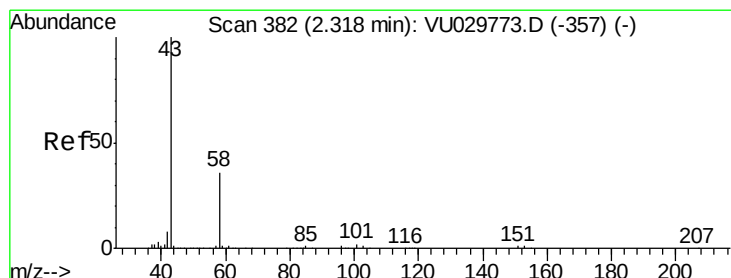
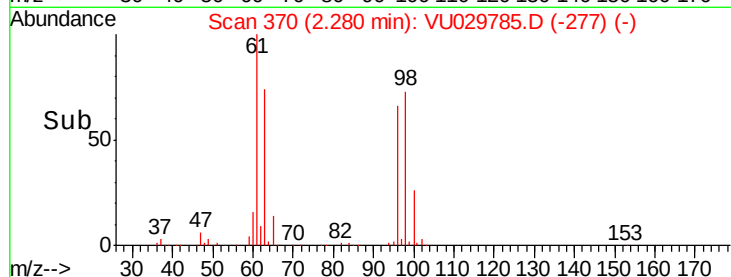
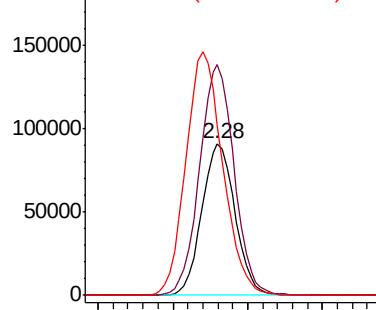
#12
 1,1-Dichloroethene
 Concen: 48.660 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU029785.D
 Acq: 04 Mar 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :
 DB660MSD

Tgt Ion: 96 Resp: 141184
 Ion Ratio Lower Upper
 96 100
 61 151.4 114.0 211.8
 63 112.4 98.7 183.3

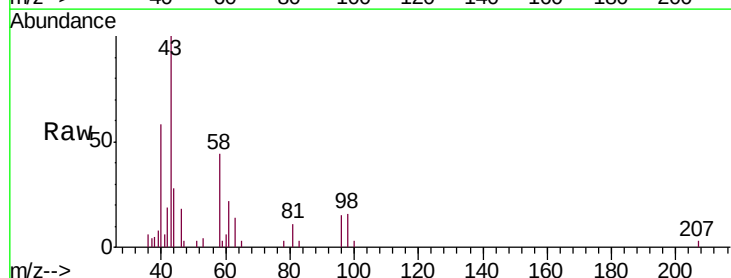


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

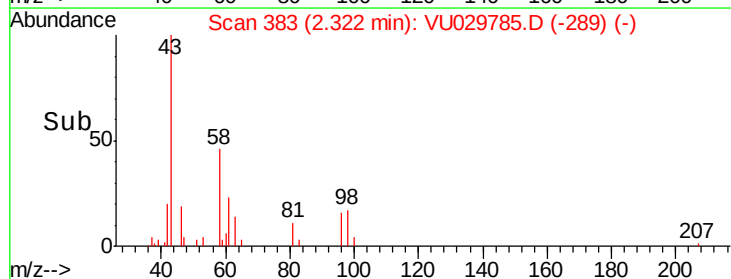
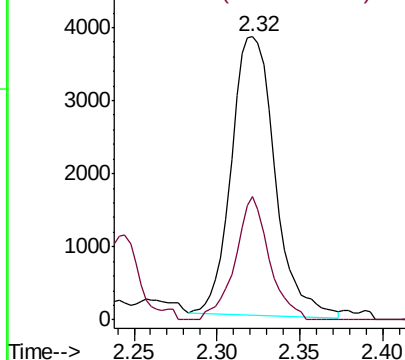


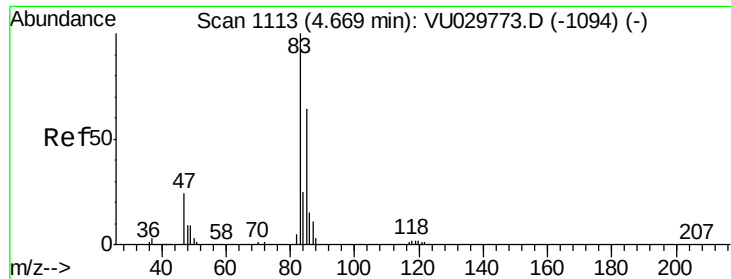
#13
 Acetone
 Concen: 3.350 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029785.D
 Acq: 04 Mar 2019 15:10

Tgt Ion: 43 Resp: 6995
 Ion Ratio Lower Upper
 43 100
 58 34.5 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

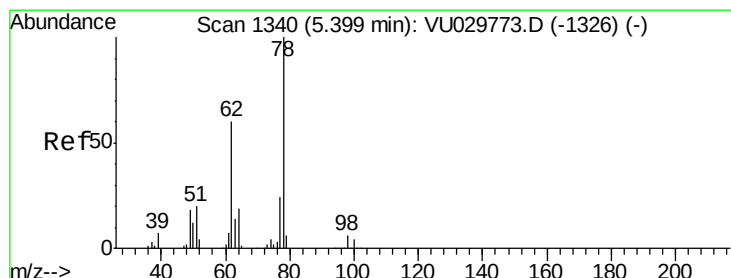
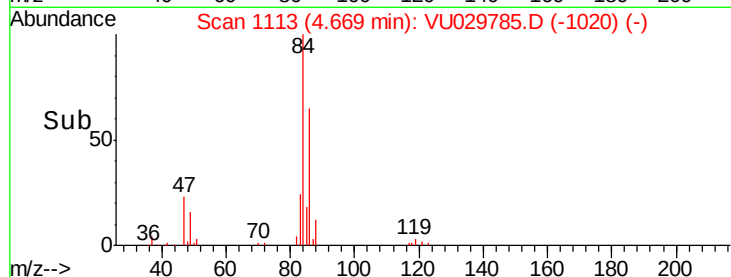
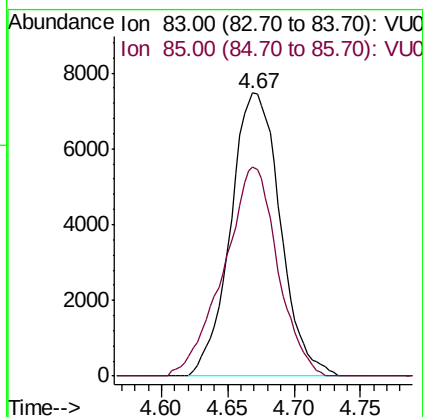
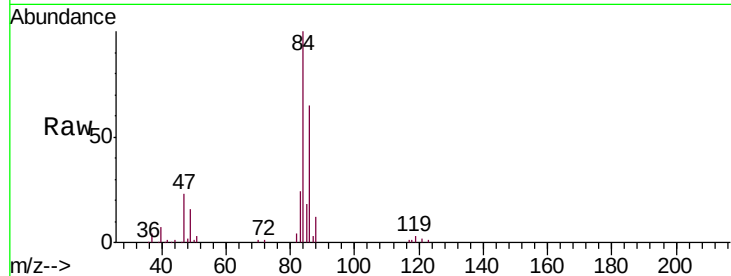




#25
Chloroform
Concen: 3.770 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029785.D
Acq: 04 Mar 2019 15:10

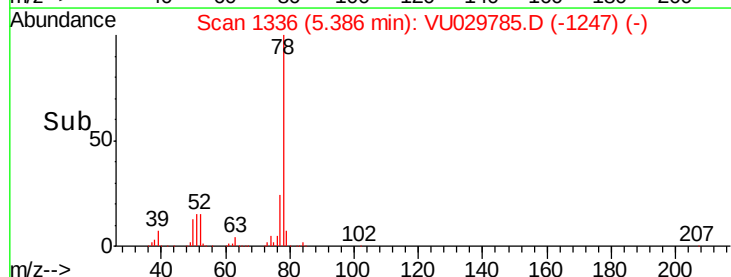
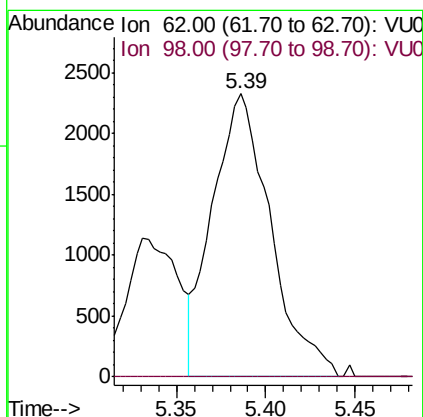
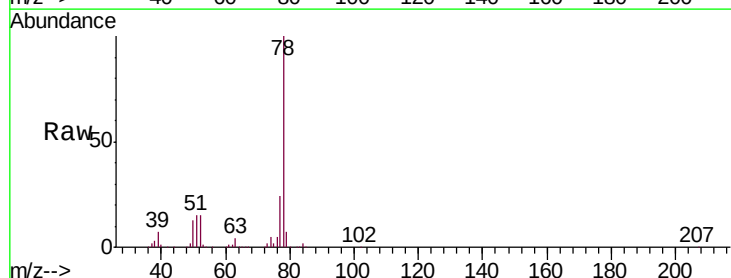
Instrument :
MSVOA_U
ClientSampleId :
DB660MSD

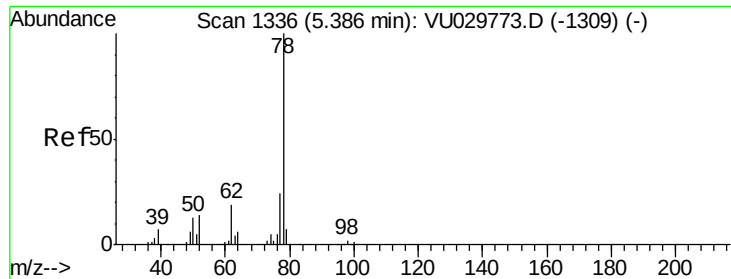
Tgt Ion: 83 Resp: 19480
Ion Ratio Lower Upper
83 100
85 73.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 1.333 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VU029785.D
Acq: 04 Mar 2019 15:10

Tgt Ion: 62 Resp: 5295
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#33

Benzene

Concen: 58.068 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029785.D

Acq: 04 Mar 2019 15:10

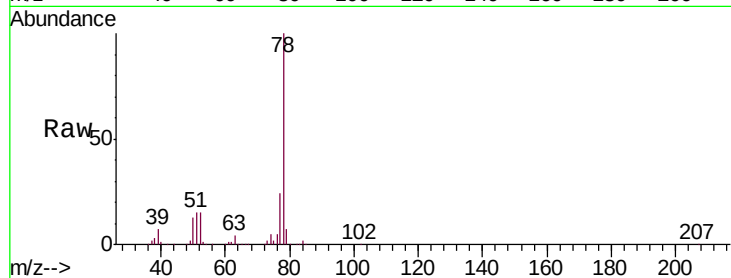
Instrument :

MSVOA_U

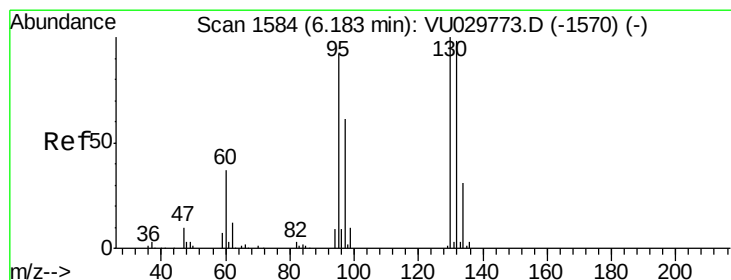
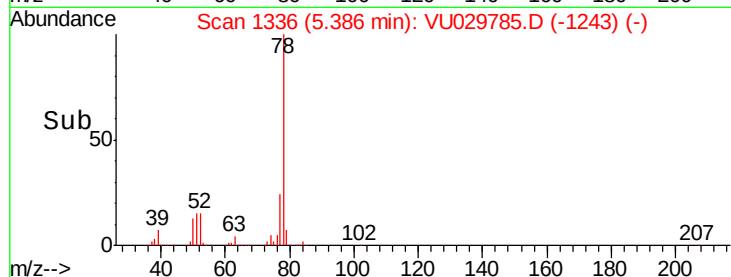
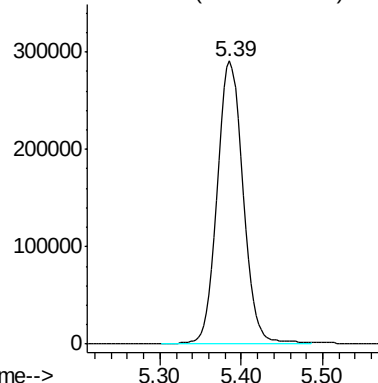
ClientSampleId :

DB660MSD

Tgt Ion: 78 Resp: 636941



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 54.983 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029785.D

Acq: 04 Mar 2019 15:10

Tgt Ion: 95 Resp: 162469

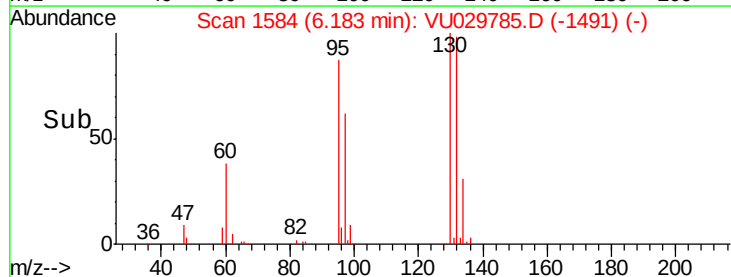
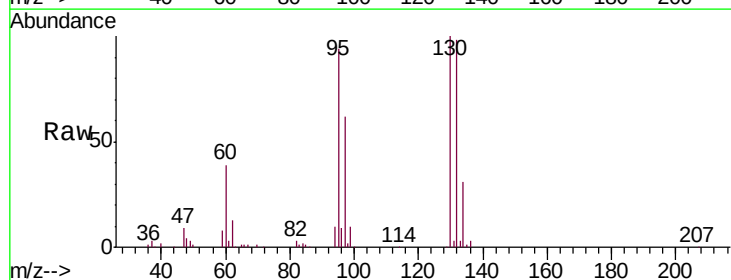
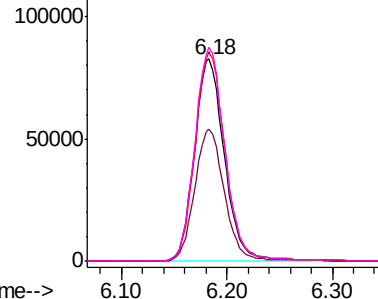
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.6	82.8
132	103.5	74.6	138.6
130	105.8	77.2	143.4

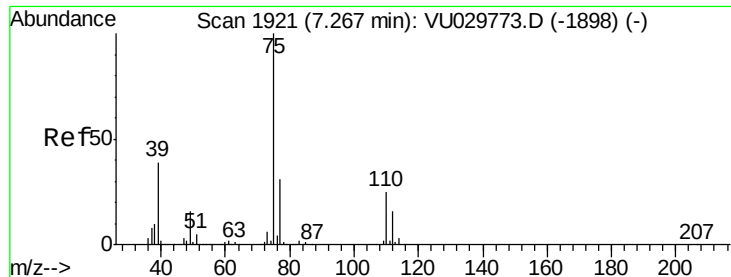
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

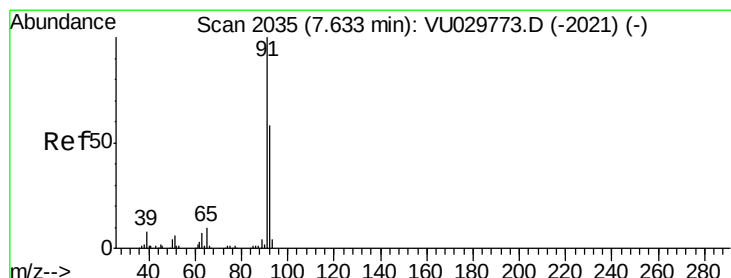
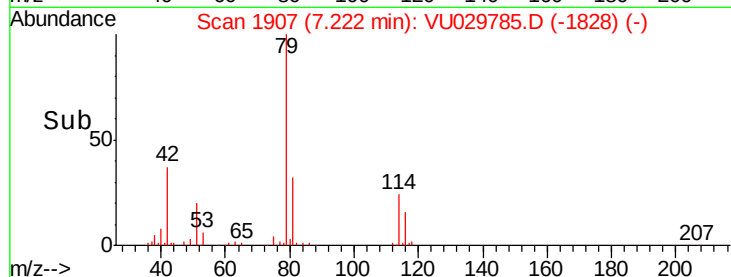
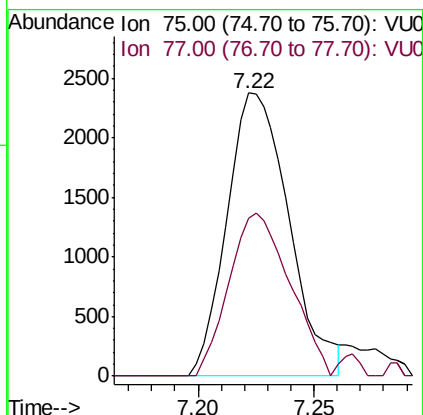
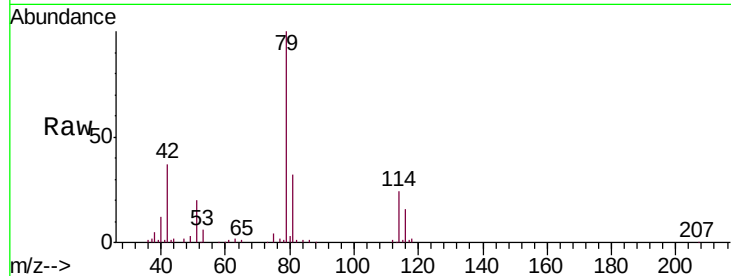




#39
 cis-1,3-Dichloropropene
 Concen: 0.952 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.05 min
 Lab File: VU029785.D
 Acq: 04 Mar 2019 15:10

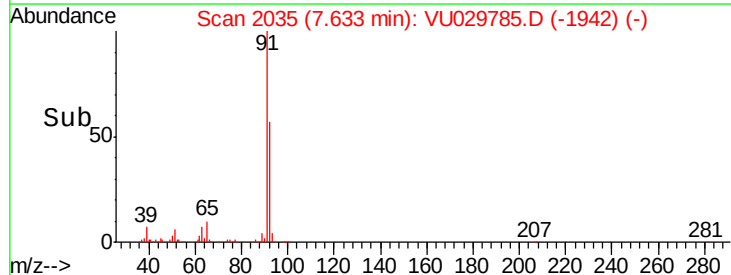
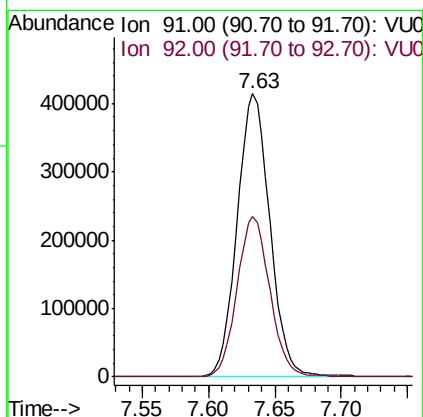
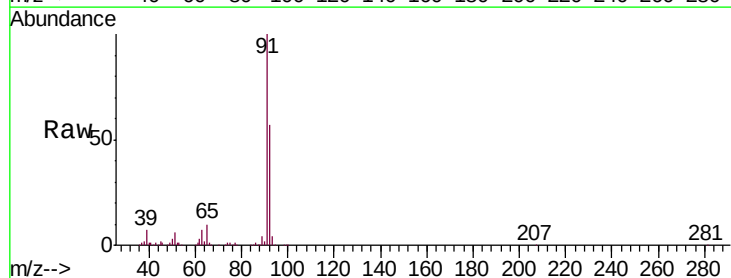
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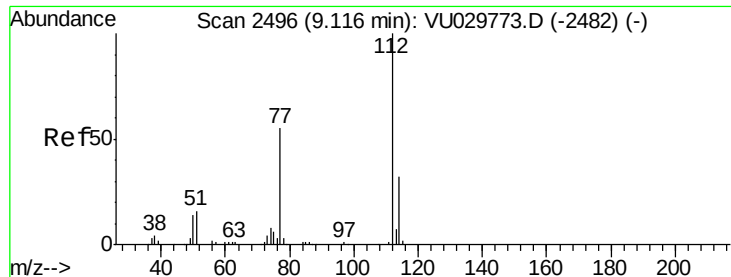
Tgt Ion: 75 Resp: 4424
 Ion Ratio Lower Upper
 75 100
 77 55.7 22.3 41.5#



#42
 Toluene
 Concen: 54.785 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU029785.D
 Acq: 04 Mar 2019 15:10

Tgt Ion: 91 Resp: 710652
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.8 75.8

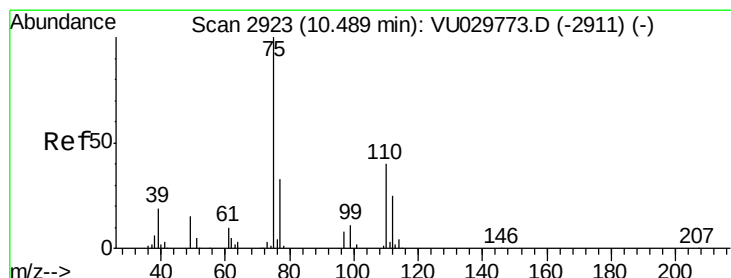
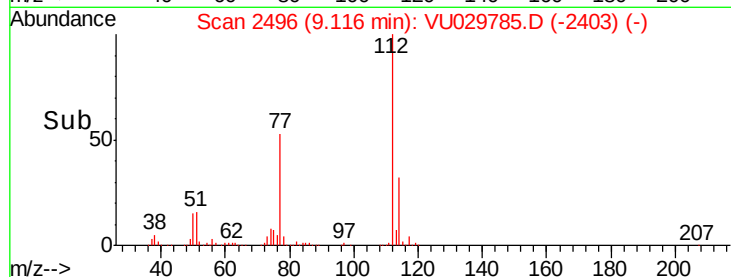
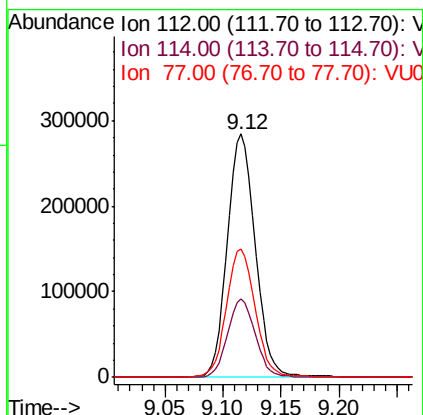
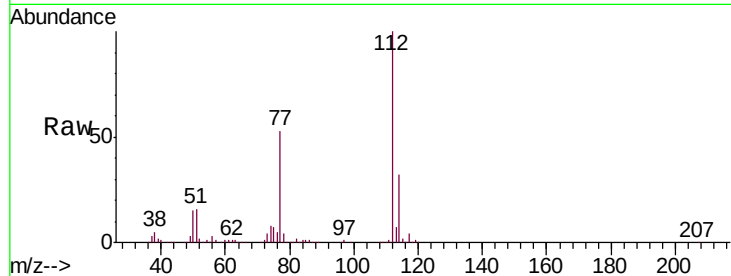




#51
Chlorobenzene
Concen: 53.235 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029785.D
Acq: 04 Mar 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :
DB660MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.1
77	52.8	42.1	63.1



#59
1,2,3-Trichloropropane
Concen: 5.033 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029785.D
Acq: 04 Mar 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.7	38.5

