

Data File : VU030454.D
Acq On : 26 Mar 2019 19:29
Operator : JC/SP
Sample : K2022-16 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E4

Quant Time: Mar 27 06:04:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	459416	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	450458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	210843	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	169020	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.42%
7) Chloroethane-d5	1.67	69	142026	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.92%
11) 1,1-Dichloroethene-d2	2.27	63	242540	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.16%
21) 2-Butanone-d5	4.17	46	358760	103.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	4.64	84	307554	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.31	65	210790	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
32) Benzene-d6	5.34	84	619987	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
36) 1,2-Dichloropropane-d6	6.33	67	220777	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.90%
41) Toluene-d8	7.56	98	532747	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.85	79	96396	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	231246	96.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299770	47.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.94	152	63	0.01	ug/L	0.08
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

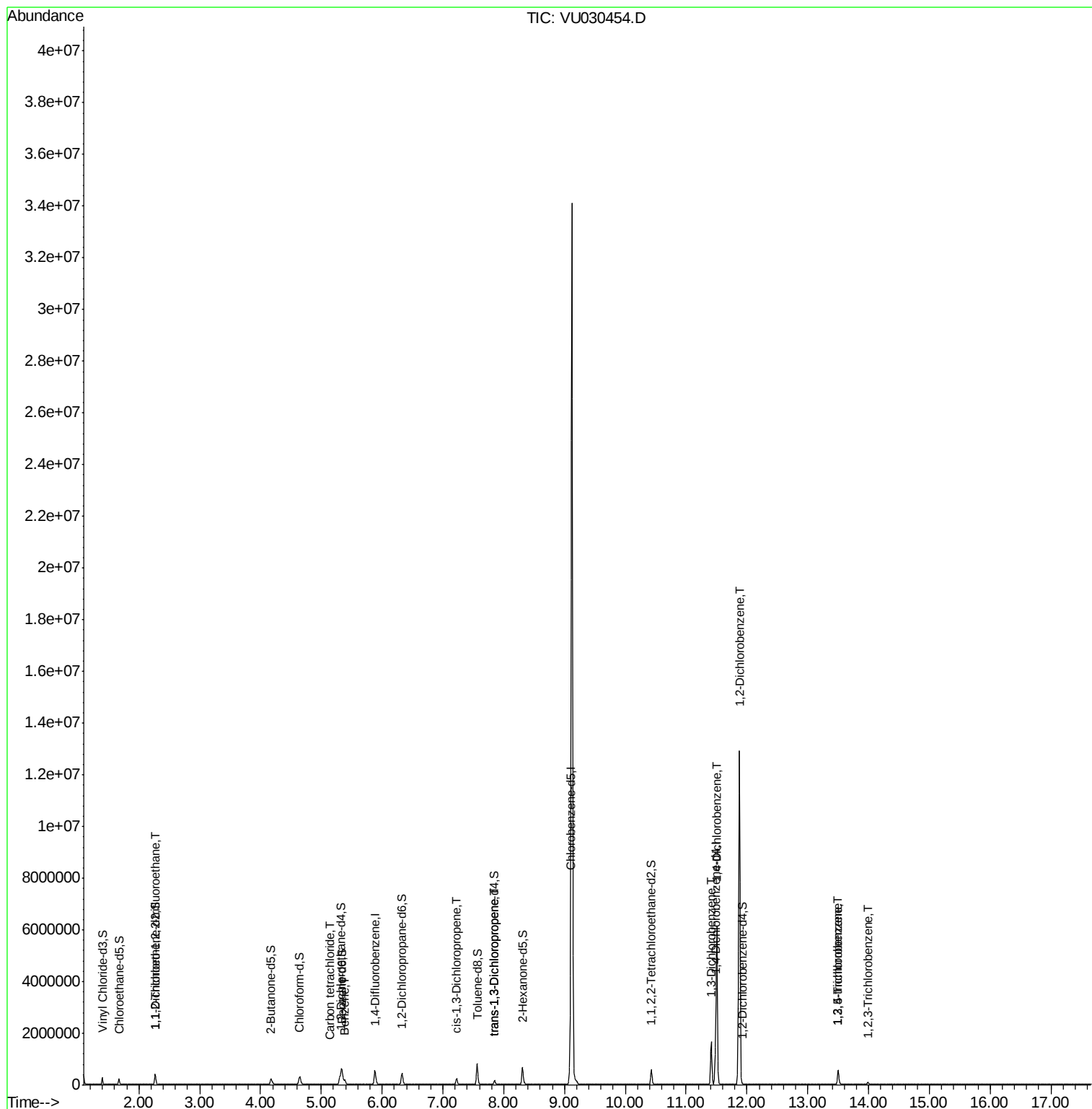
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1986	0.592 ug/L #	21
31) Carbon tetrachloride	5.13	117	3318	0.710 ug/L	100
33) Benzene	5.39	78	179086	11.679 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	5859	0.937 ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	3639	0.661 ug/L	89
62) 1,3-Dichlorobenzene	11.41	146	626757	90.898 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	2261632	318.613 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	4869599	698.443 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	177175	34.324 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	177175	39.504 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	29537	6.237 ug/L	94

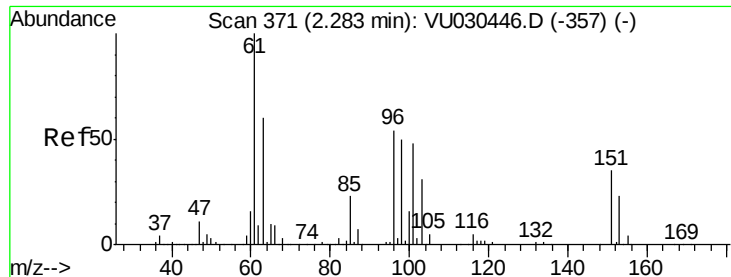
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.592 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

C09E4

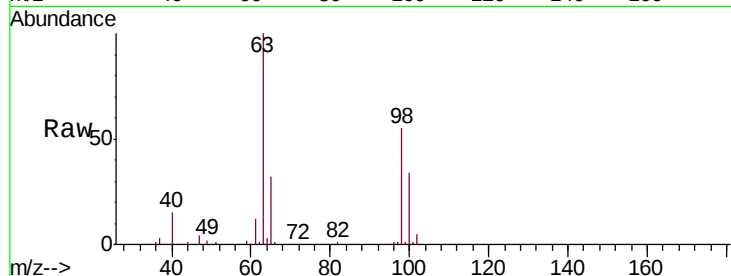
Tgt Ion:101 Resp: 1986

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

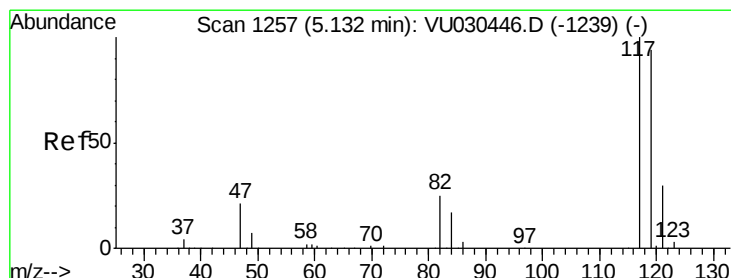
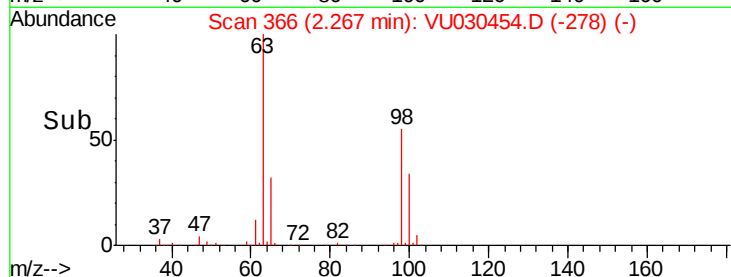
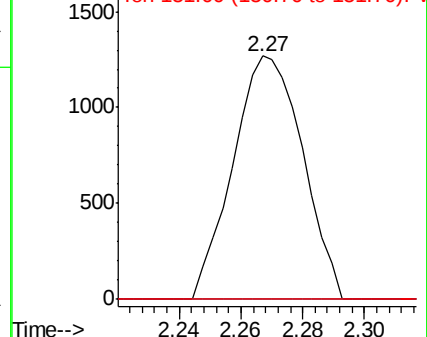
151 0.0 56.6 85.0#



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



#31

Carbon tetrachloride

Concen: 0.710 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU030454.D

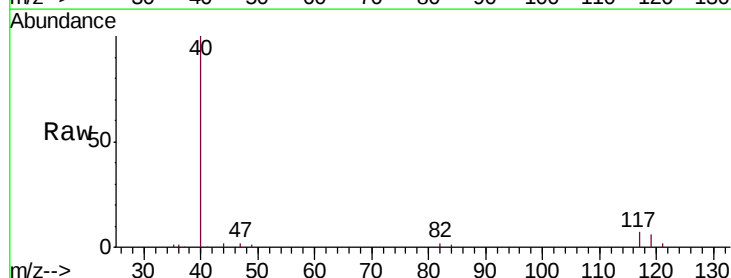
Acq: 26 Mar 2019 19:29

Tgt Ion:117 Resp: 3318

Ion Ratio Lower Upper

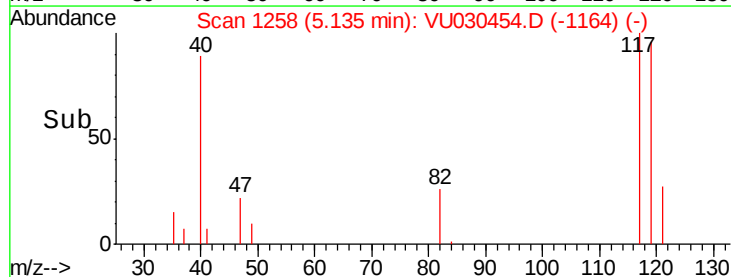
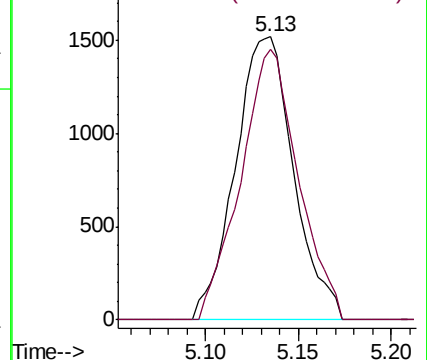
117 100

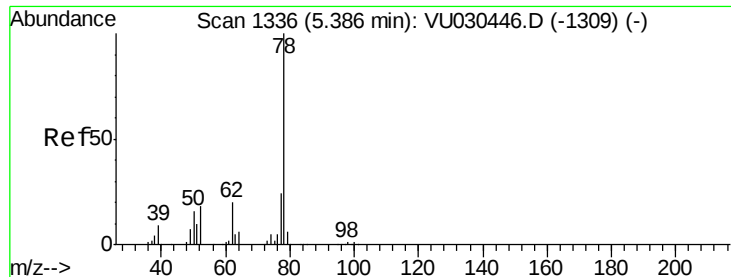
119 94.4 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 11.679 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

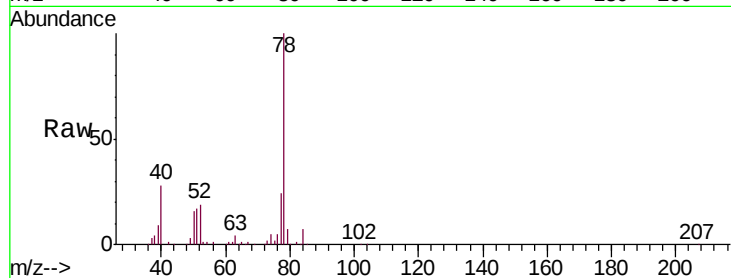
Instrument :

MSVOA_U

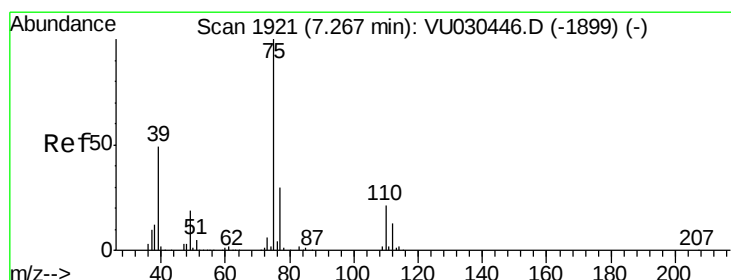
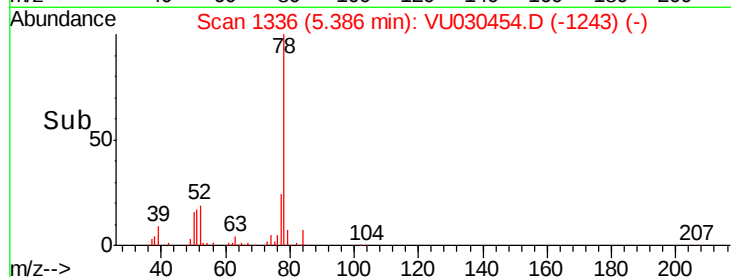
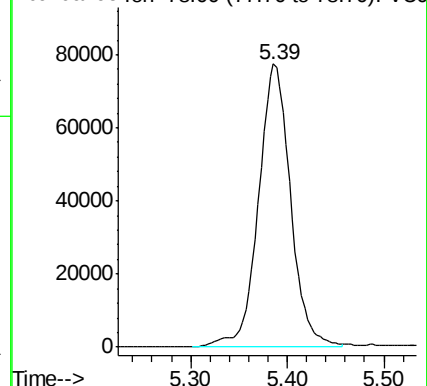
ClientSampleId :

C09E4

Tgt Ion: 78 Resp: 179086



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.937 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030454.D

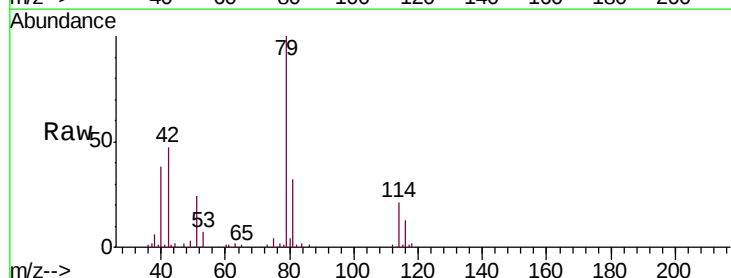
Acq: 26 Mar 2019 19:29

Tgt Ion: 75 Resp: 5859

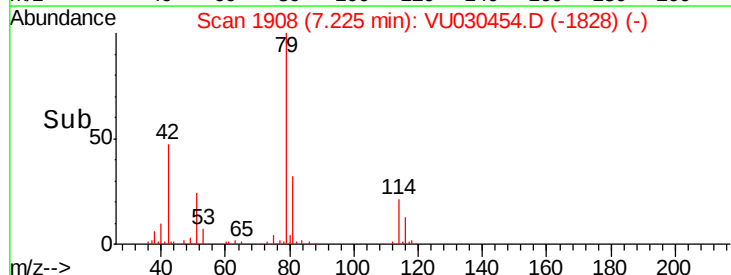
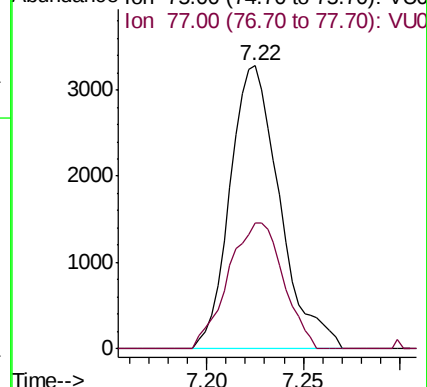
Ion Ratio Lower Upper

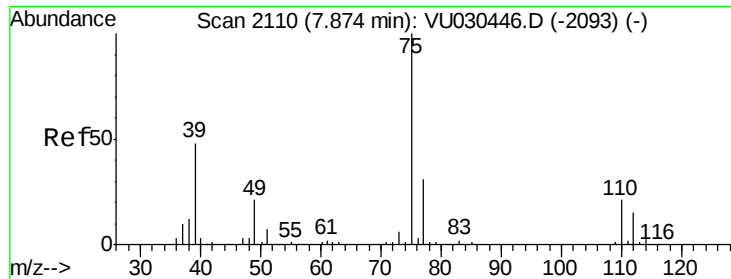
75 100

77 44.4 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

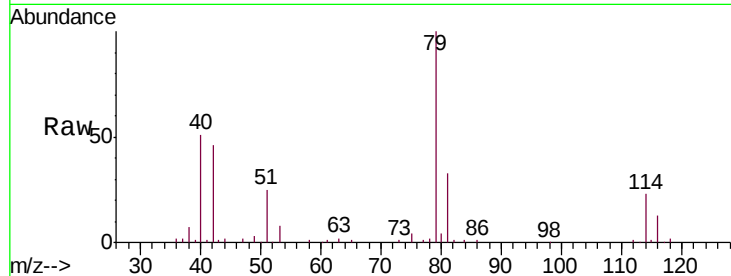
C09E4

Tgt Ion: 75 Resp: 3639

Ion Ratio Lower Upper

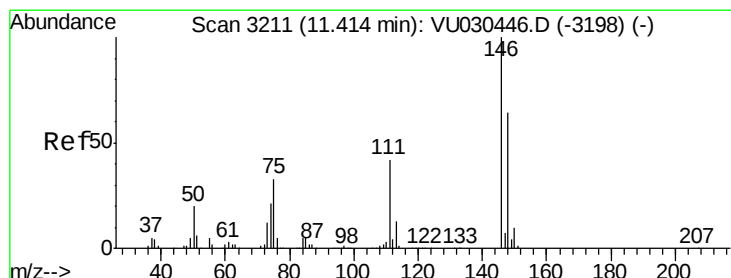
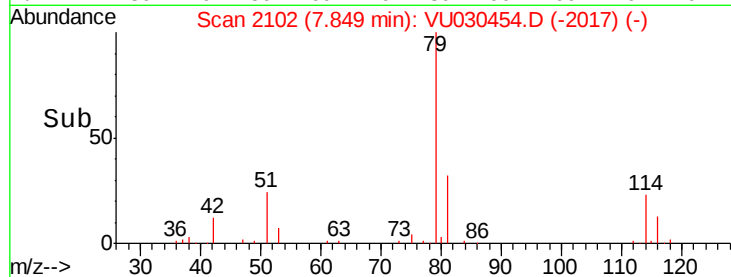
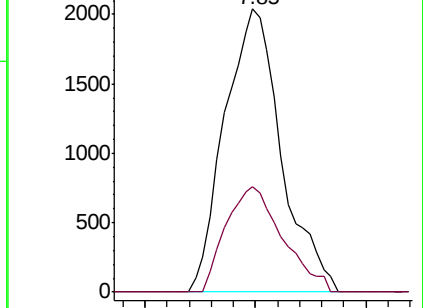
75 100

77 37.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030446.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU030446.D (-2093) (-)



#62

1,3-Dichlorobenzene

Concen: 90.898 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030454.D

Acq: 26 Mar 2019 19:29

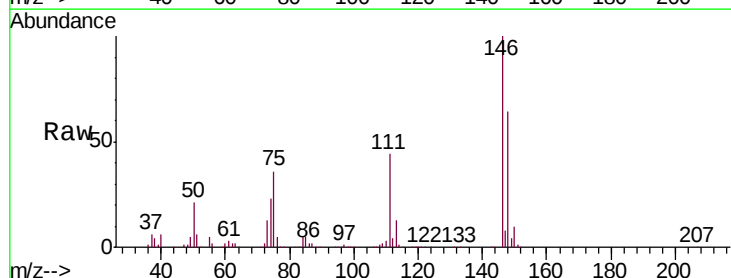
Tgt Ion: 146 Resp: 626757

Ion Ratio Lower Upper

146 100

111 43.6 29.2 54.2

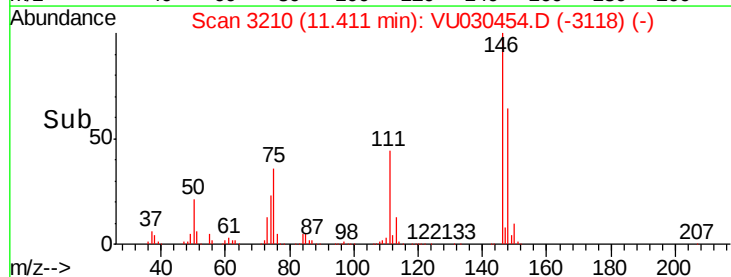
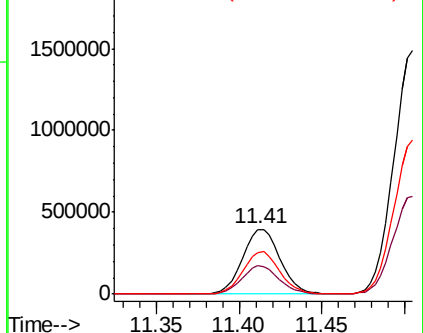
148 64.4 44.4 82.4

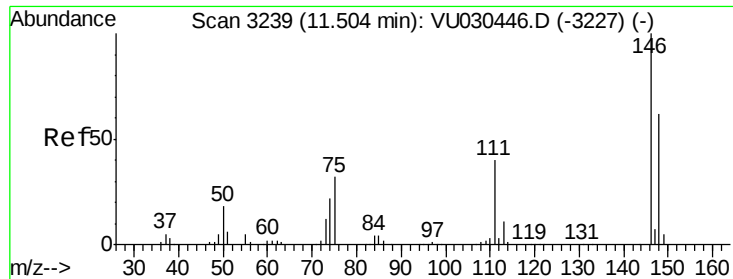


Abundance Ion 146.00 (145.70 to 146.70): VU030446.D (-3198) (-)

Ion 111.00 (110.70 to 111.70): VU030446.D (-3198) (-)

Ion 148.00 (147.70 to 148.70): VU030446.D (-3198) (-)

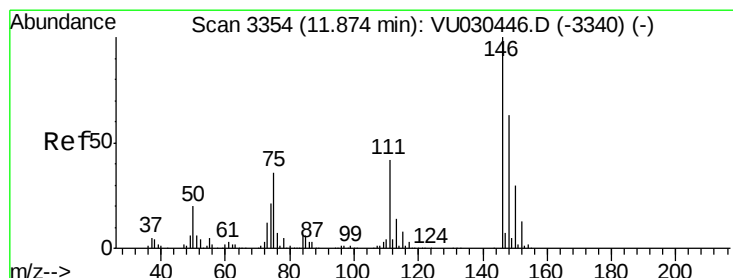
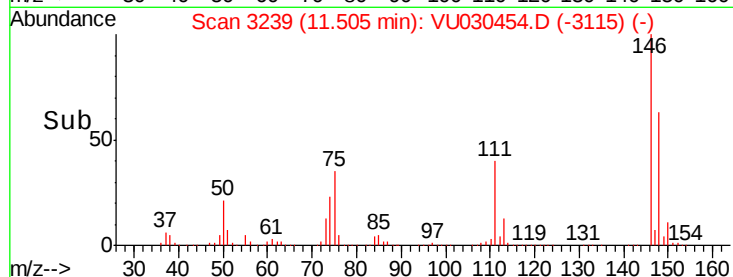
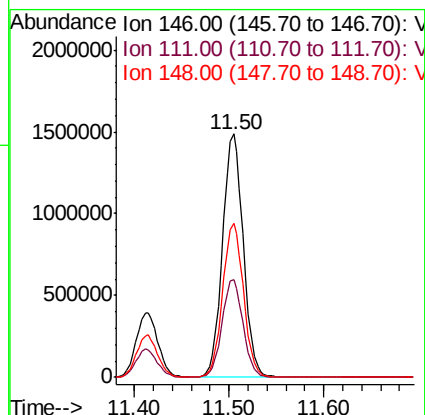
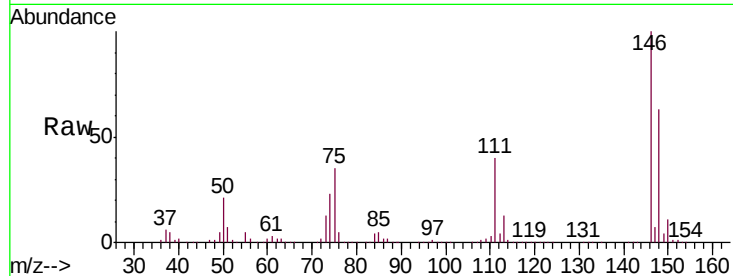




#63
 1,4-Dichlorobenzene
 Concen: 318.613 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

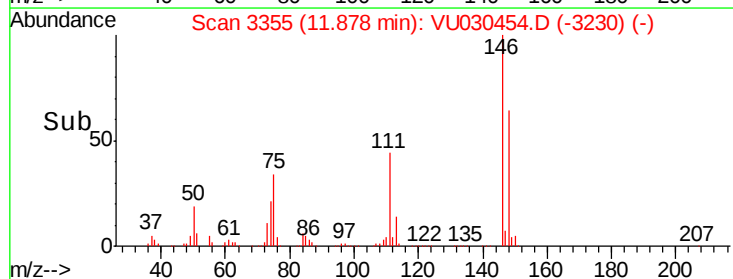
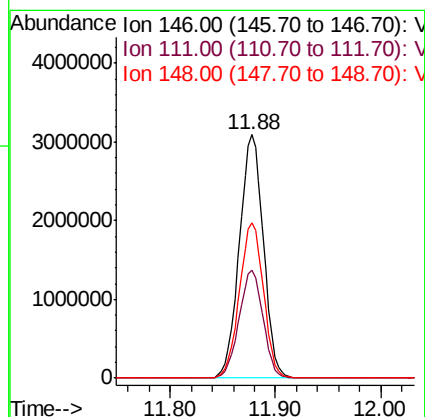
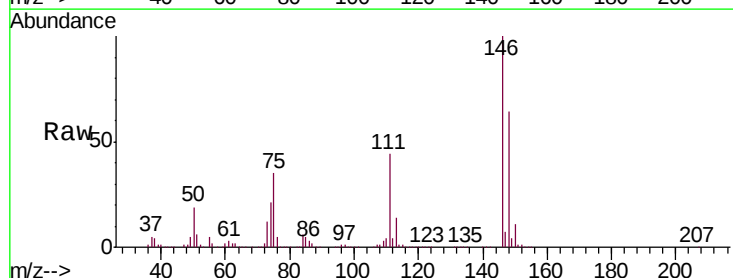
Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

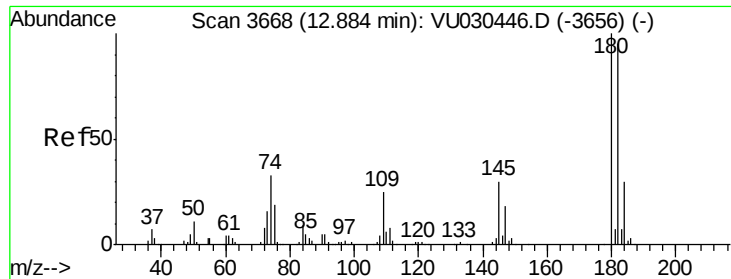
Tgt Ion:146 Resp: 2261632
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.7 53.3
 148 63.3 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 698.443 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

Tgt Ion:146 Resp: 4869599
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 63.9 51.2 76.8

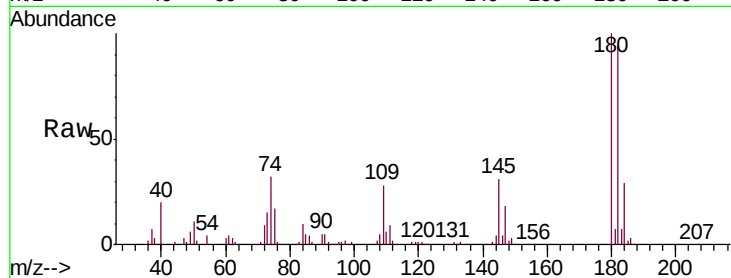




#67
 1,3,5-Trichlorobenzene
 Concen: 34.324 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.9	113.9
184	30.1	24.1	36.1
145	30.7	23.8	35.8



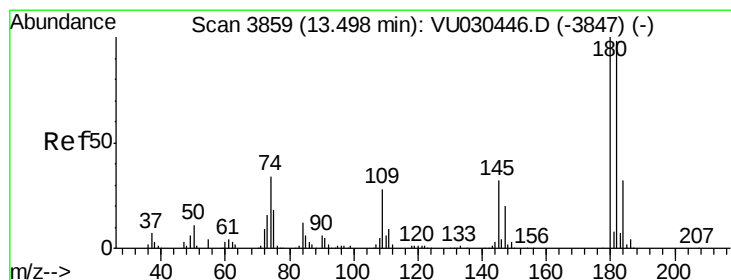
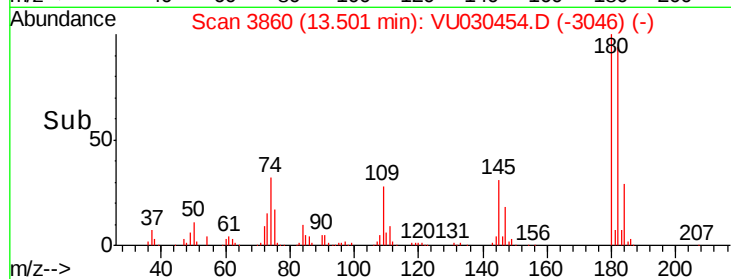
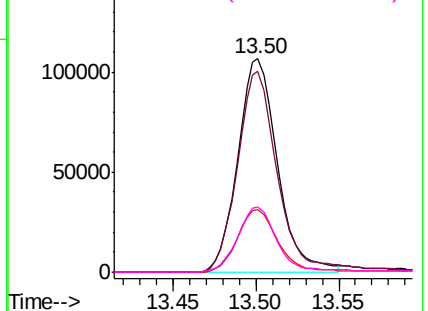
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

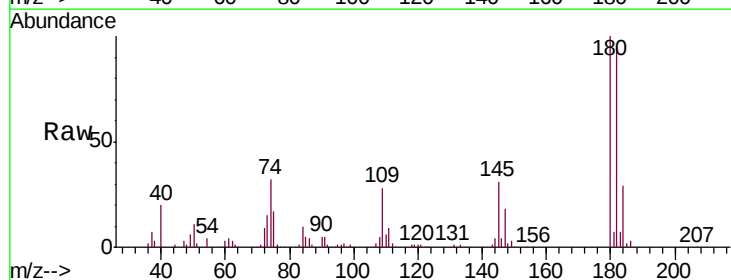
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 39.504 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.1	114.1
145	30.7	24.5	36.7

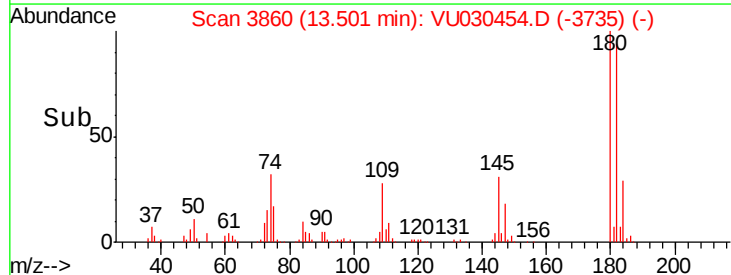
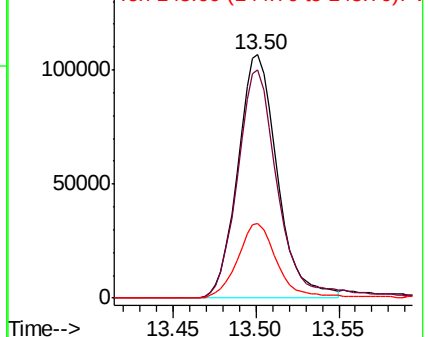


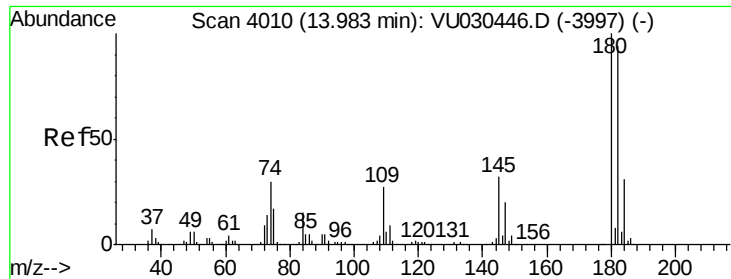
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

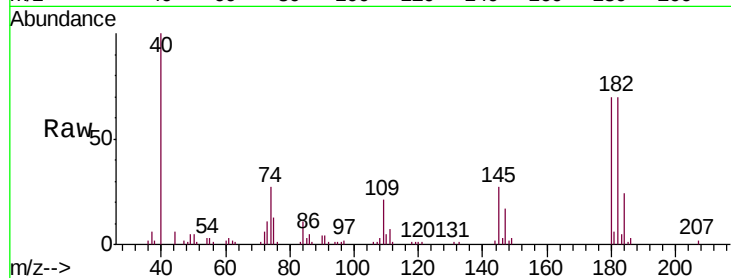




#70
 1,2,3-Trichlorobenzene
 Concen: 6.237 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030454.D
 Acq: 26 Mar 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E4

Tgt Ion	Resp	Lower	Upper
180	29537		
182	102.2	77.4	116.2
145	36.3	25.9	38.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

