

Data File : VU030241.D
Acq On : 20 Mar 2019 22:27
Operator : JC/SP
Sample : K2022-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09A7

Quant Time: Mar 22 01:33:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	520019	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	144129	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	127969	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.38%
11) 1,1-Dichloroethene-d2	2.27	63	209064	32.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.72%
21) 2-Butanone-d5	4.17	46	258564	98.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	4.65	84	302652	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.14%
26) 1,2-Dichloroethane-d4	5.31	65	183197	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.34	84	644806	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
36) 1,2-Dichloropropane-d6	6.33	67	204970	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.68%
41) Toluene-d8	7.56	98	577004	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%
43) trans-1,3-Dichloropropene-	7.85	79	91072	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.31	63	218193	99.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	312225	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	12.02	152	44	0.01	ug/L	0.16
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	2038	0.579	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1926	0.551	ug/L #	1
13) Acetone	2.32	43	6834	2.489	ug/L	97
25) Chloroform	4.67	83	7837	1.188	ug/L	98
27) 1,2-Dichloroethane	5.39	62	2756	0.589	ug/L #	72
31) Carbon tetrachloride	5.13	117	4044	0.815	ug/L	98
33) Benzene	5.39	78	307126	20.471	ug/L	100
39) cis-1,3-Dichloropropene	7.23	75	4382	0.711	ug/L #	62
44) trans-1,3-Dichloropropene	7.85	75	3265	0.612	ug/L #	82
48) 2-Hexanone	8.36	43	5522	1.260	ug/L #	84
51) Chlorobenzene	9.12	112	796209	73.696	ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	51844	9.983	ug/L #	43
62) 1,3-Dichlorobenzene	11.41	146	204157	24.659	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	1829209	212.999	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	5467348	646.342	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	439086	67.859	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	439086	76.736	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
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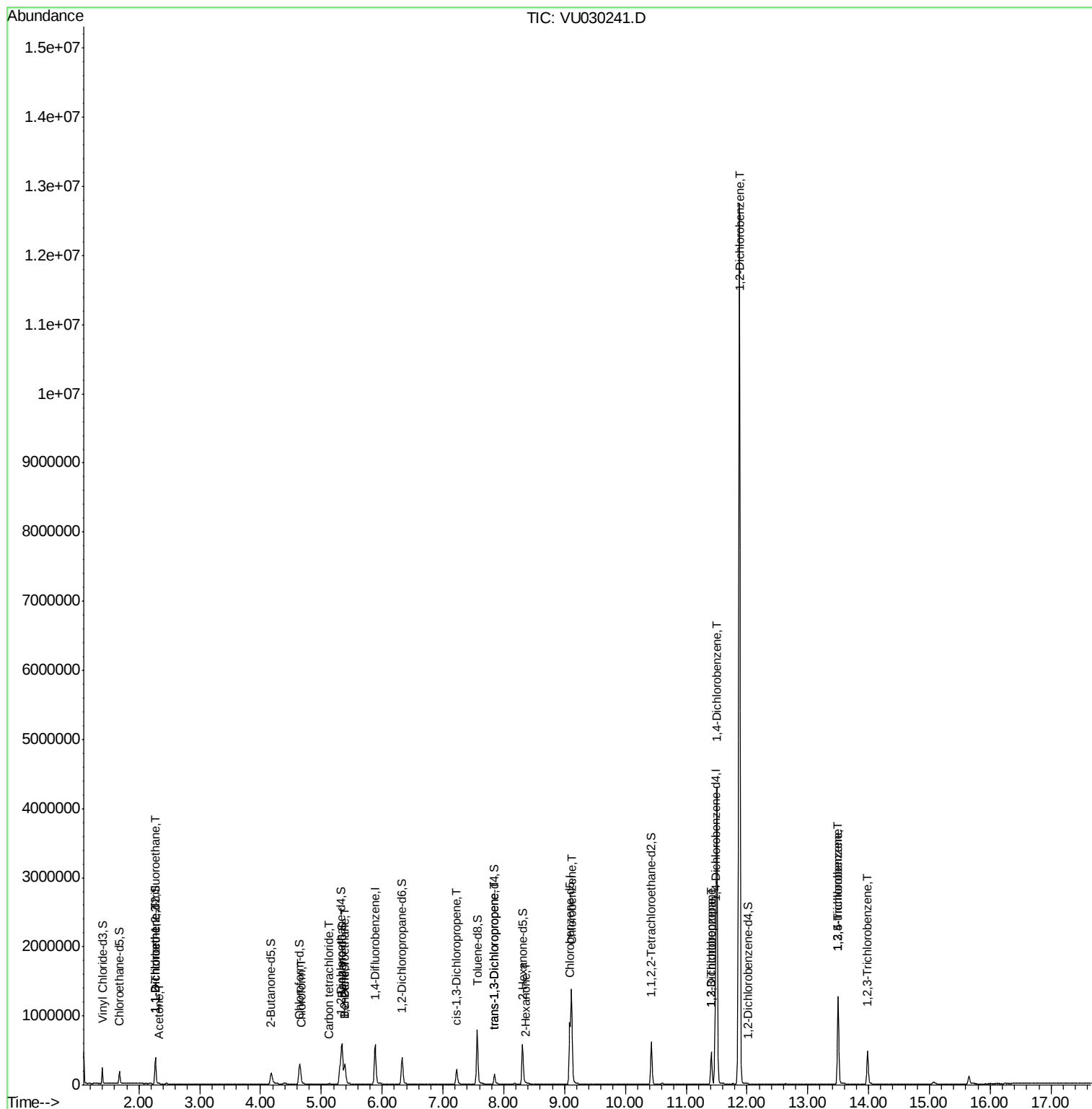
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.98	180	168619	28.242	ug/L	99

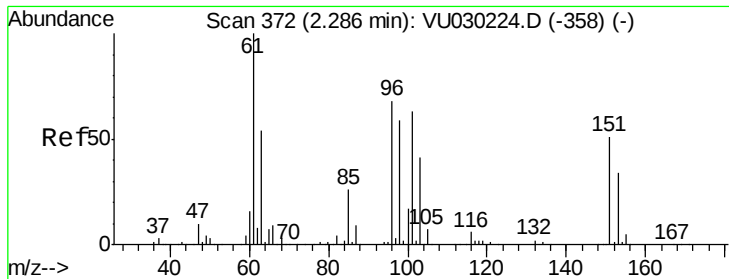
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.579 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Instrument :

MSVOA_U

ClientSampleId :

C09A7

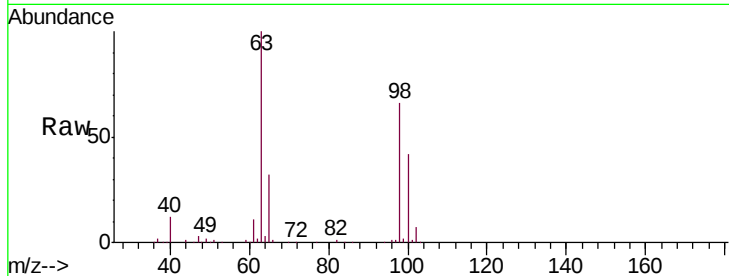
Tgt Ion: 101 Resp: 2038

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

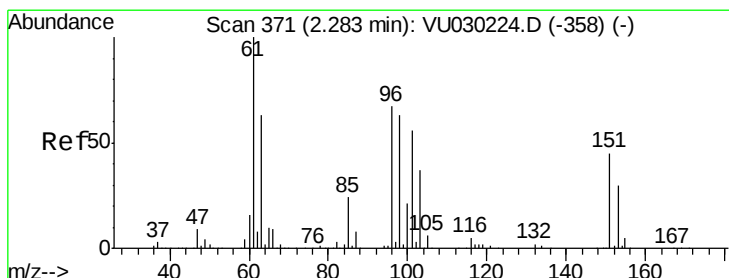
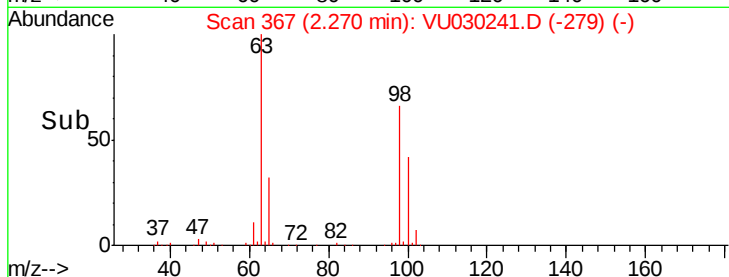
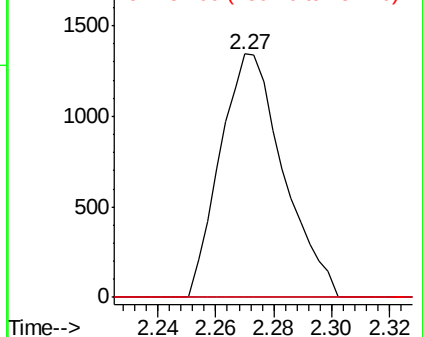
151 0.0 64.7 97.1#



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: 0.551 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

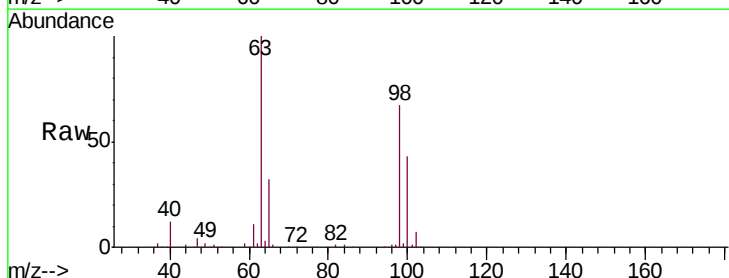
Tgt Ion: 96 Resp: 1926

Ion Ratio Lower Upper

96 100

61 1164.1 104.6 194.2#

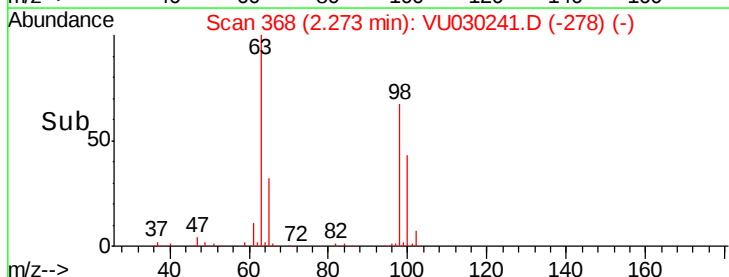
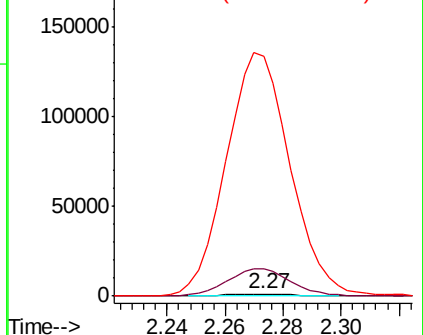
63 10428.0 77.2 143.4#

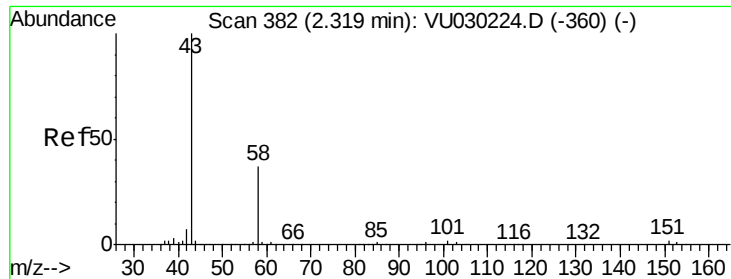


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.489 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Instrument :

MSVOA_U

ClientSampleId :

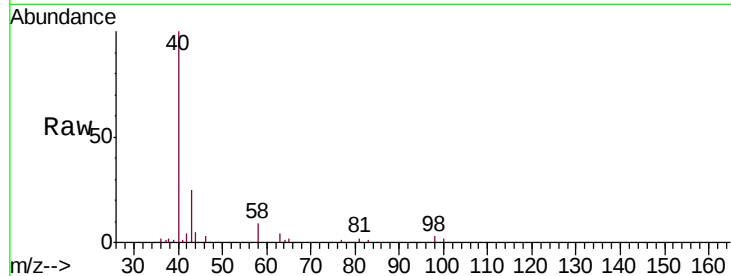
C09A7

Tgt Ion: 43 Resp: 6834

Ion Ratio Lower Upper

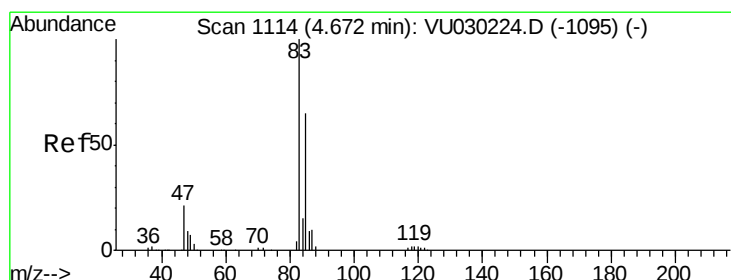
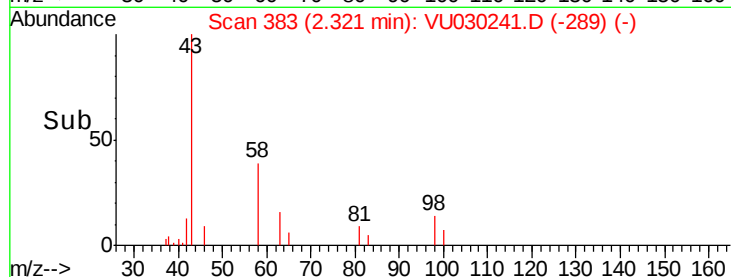
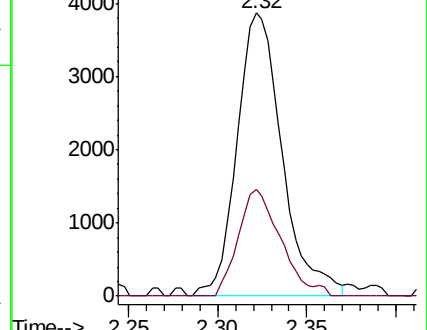
43 100

58 34.7 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030224.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030224.D (-360) (-)



#25

Chloroform

Concen: 1.188 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU030241.D

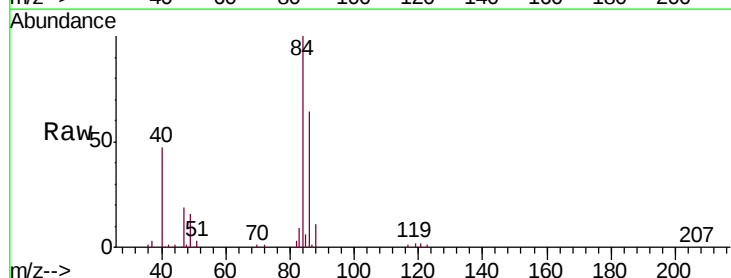
Acq: 20 Mar 2019 22:27

Tgt Ion: 83 Resp: 7837

Ion Ratio Lower Upper

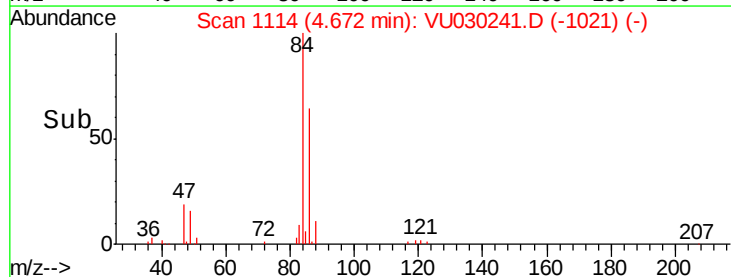
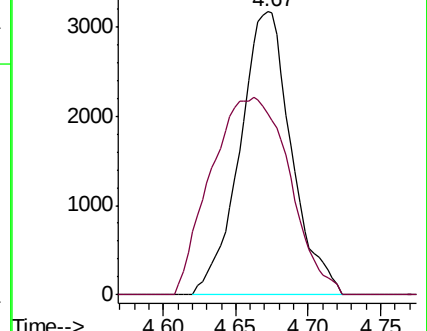
83 100

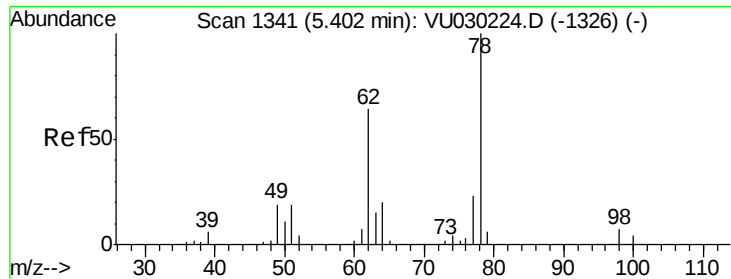
85 64.0 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VU030224.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030224.D (-1095) (-)





#27

1,2-Dichloroethane

Concen: 0.589 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Instrument :

MSVOA_U

ClientSampleId :

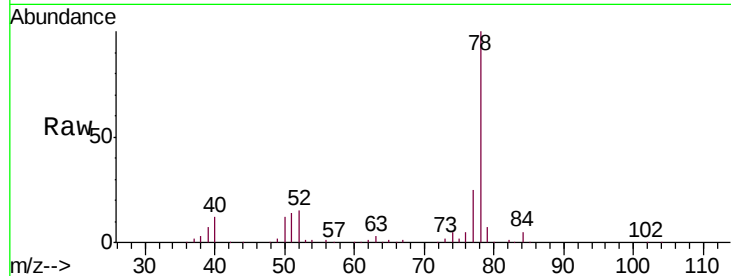
C09A7

Tgt Ion: 62 Resp: 2756

Ion Ratio Lower Upper

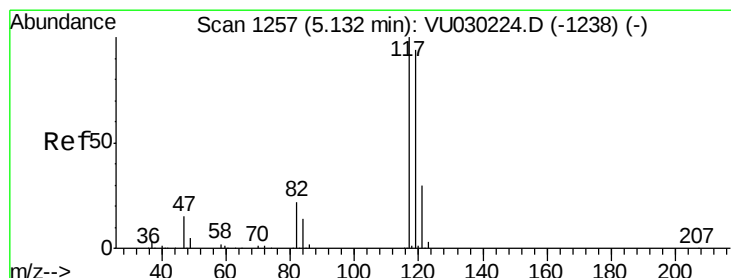
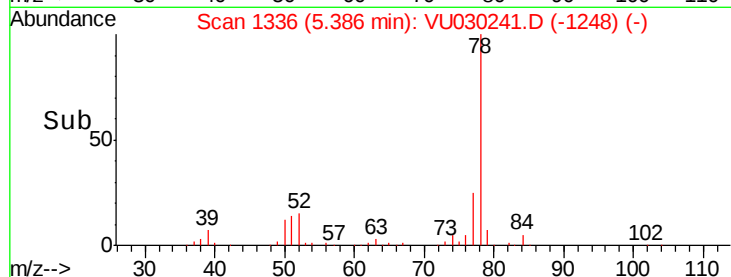
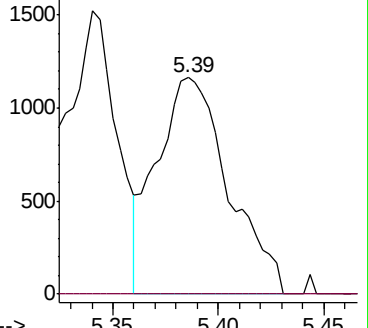
62 100

98 0.0 8.6 12.8#



Abundance Ion 62.00 (61.70 to 62.70): VU030224.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030224.D (-1326) (-)



#31

Carbon tetrachloride

Concen: 0.815 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU030241.D

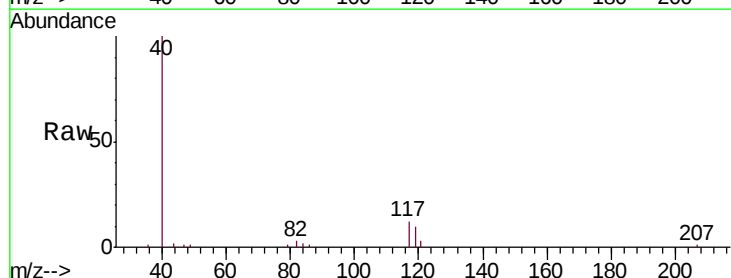
Acq: 20 Mar 2019 22:27

Tgt Ion: 117 Resp: 4044

Ion Ratio Lower Upper

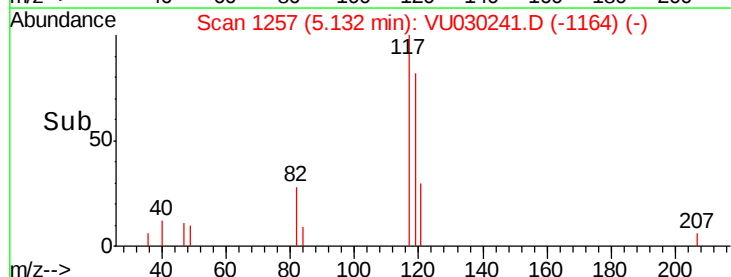
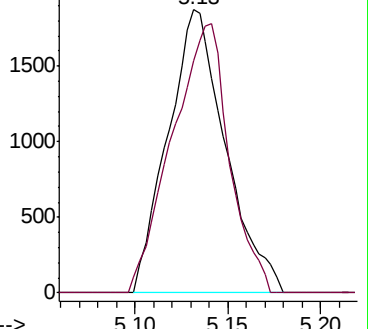
117 100

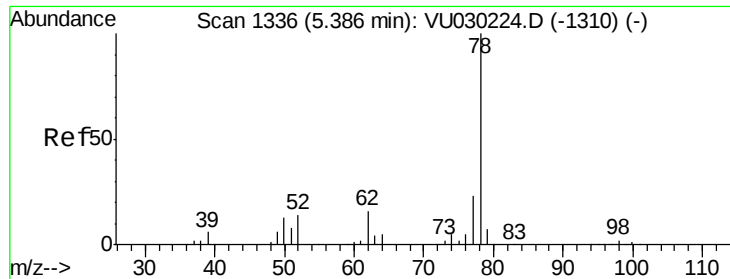
119 94.3 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): VU030224.D (-1238) (-)

Ion 119.00 (118.70 to 119.70): VU030224.D (-1238) (-)





#33

Benzene

Concen: 20.471 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

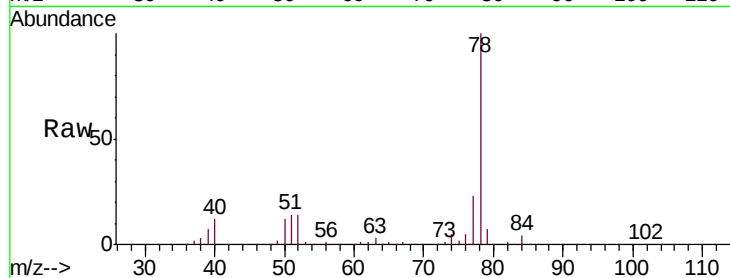
Instrument :

MSVOA_U

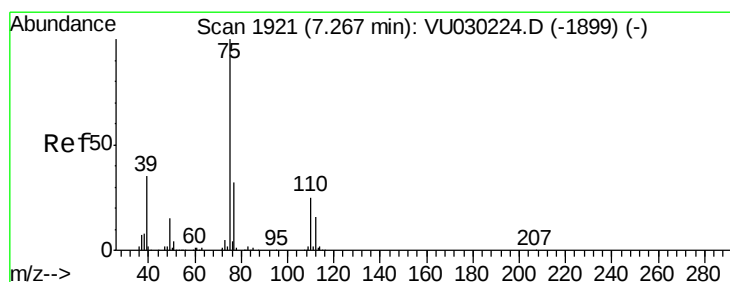
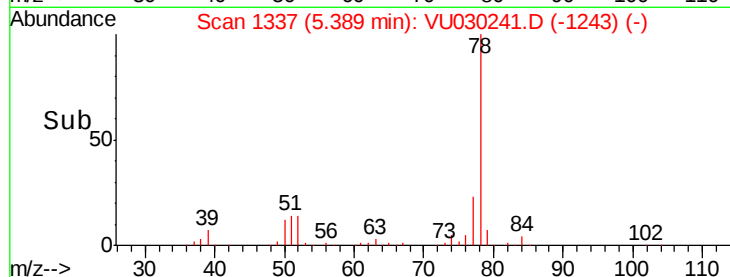
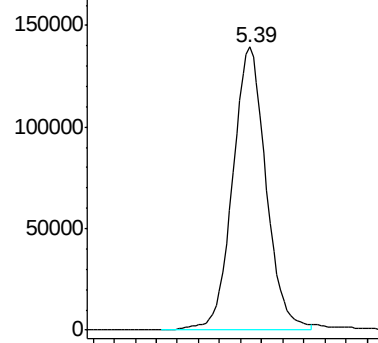
ClientSampleId :

C09A7

Tgt Ion: 78 Resp: 307126



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU030241.D

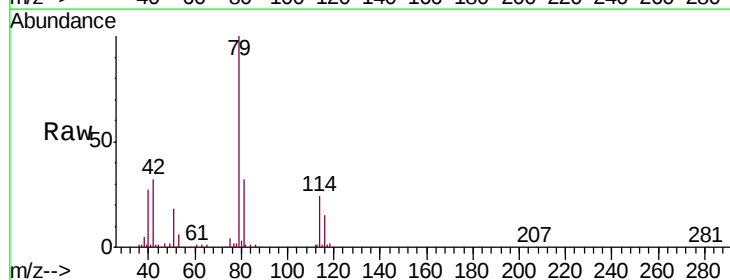
Acq: 20 Mar 2019 22:27

Tgt Ion: 75 Resp: 4382

Ion Ratio Lower Upper

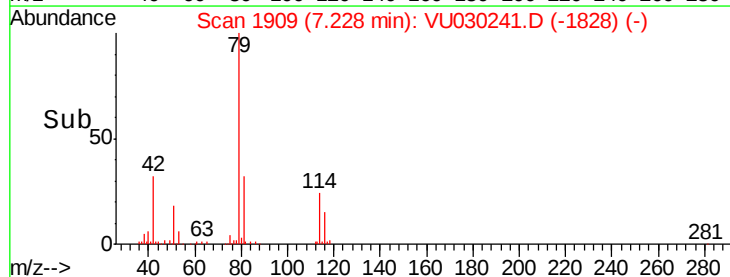
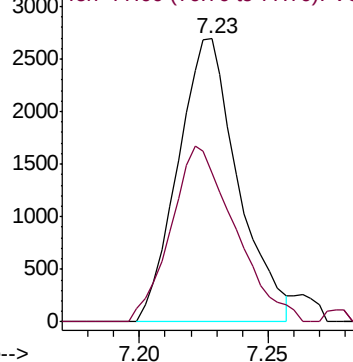
75 100

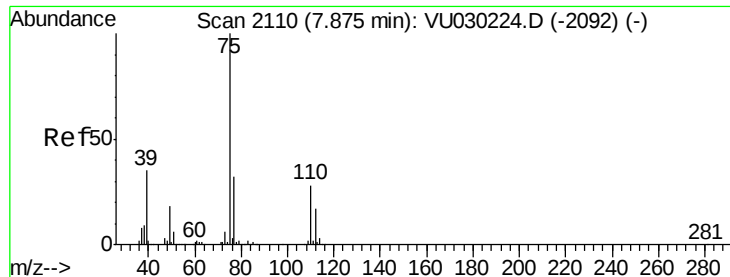
77 52.5 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.612 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Instrument :

MSVOA_U

ClientSampleId :

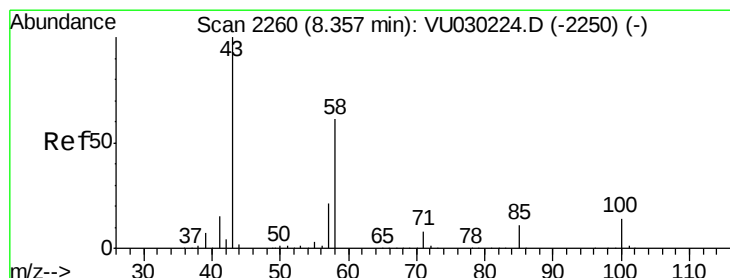
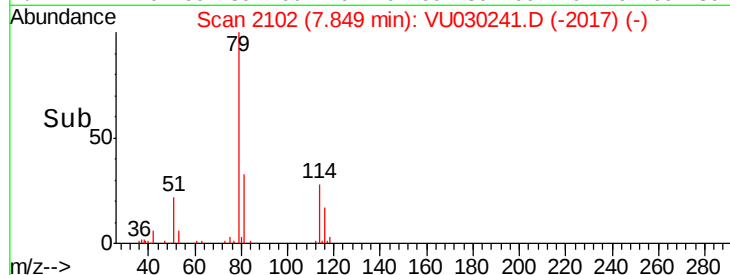
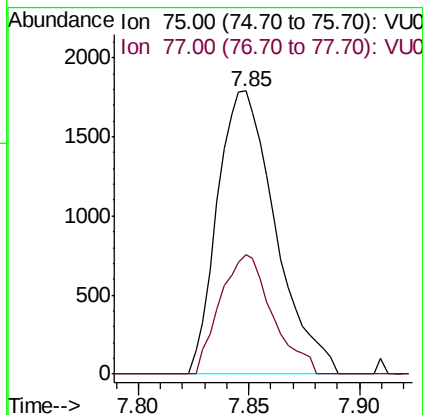
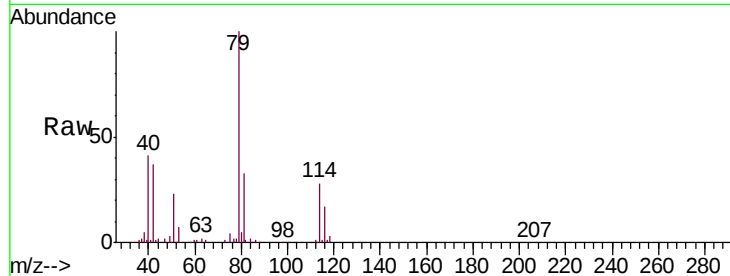
C09A7

Tgt Ion: 75 Resp: 3265

Ion Ratio Lower Upper

75 100

77 42.3 22.7 42.1#



#48

2-Hexanone

Concen: 1.260 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Tgt Ion: 43 Resp: 5522

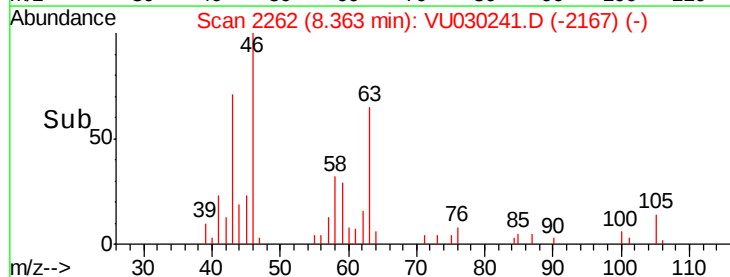
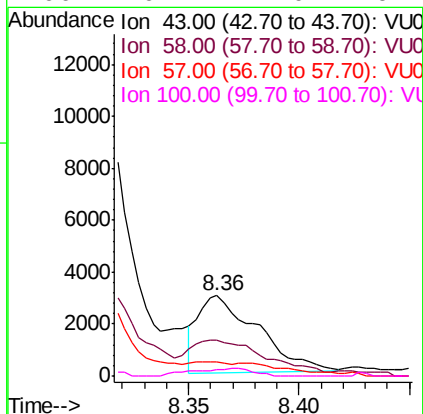
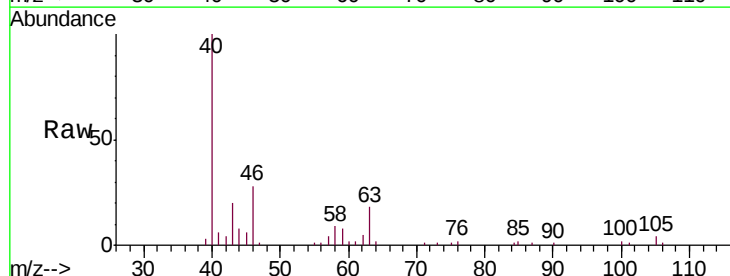
Ion Ratio Lower Upper

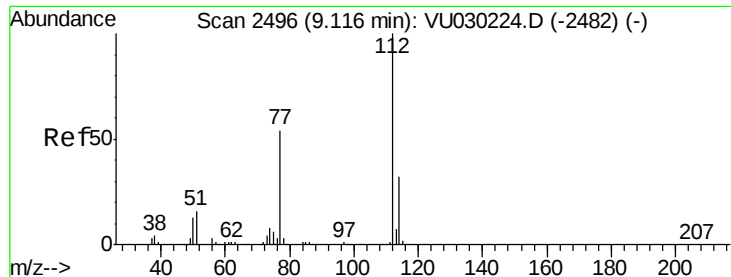
43 100

58 55.4 49.3 73.9

57 0.0 17.0 25.4#

100 10.1 11.0 16.4#

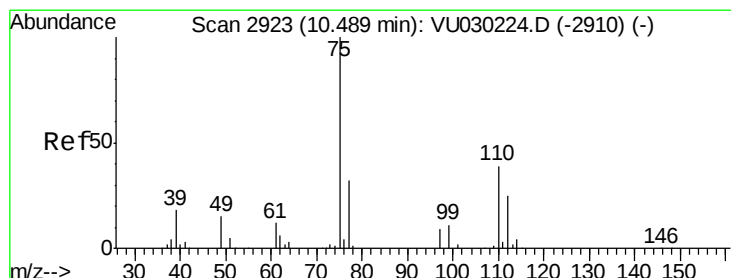
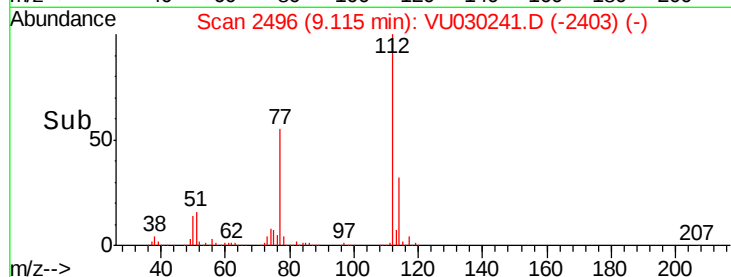
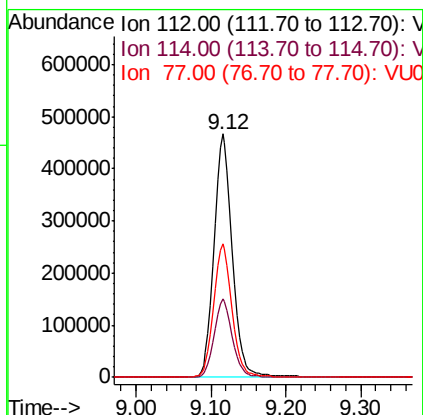
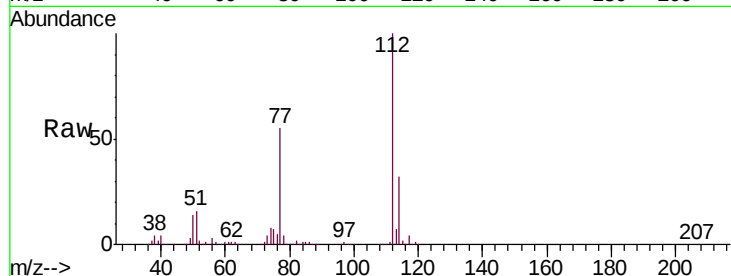




#51
Chlorobenzene
Concen: 73.696 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27

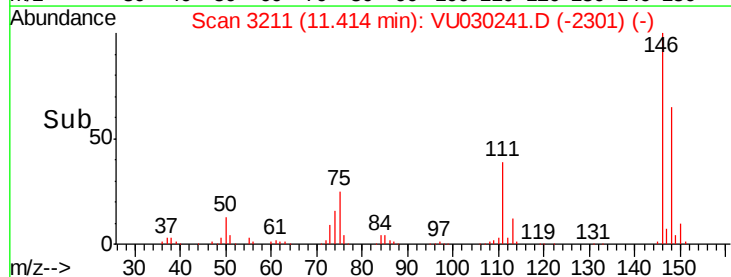
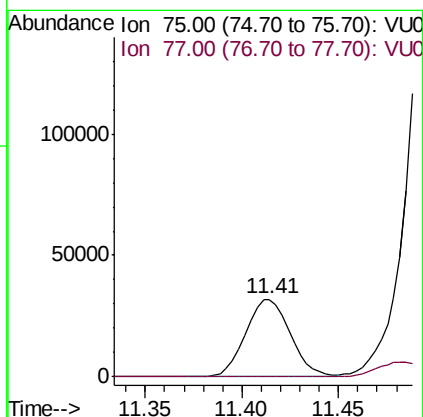
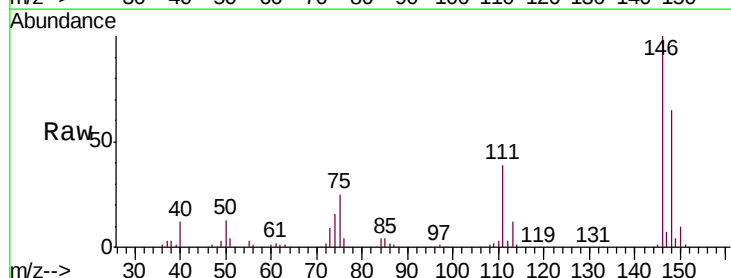
Instrument :
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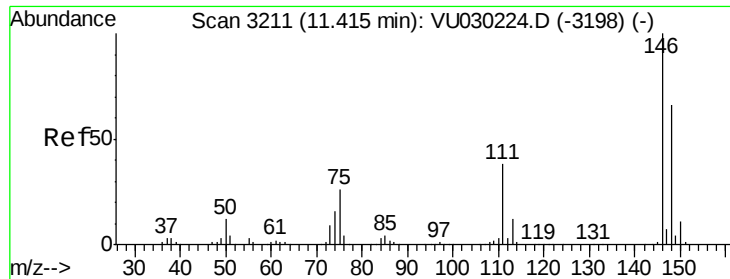
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	54.8	43.4	65.0



#59
1,2,3-Trichloropropane
Concen: 9.983 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.93 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.8	38.8#

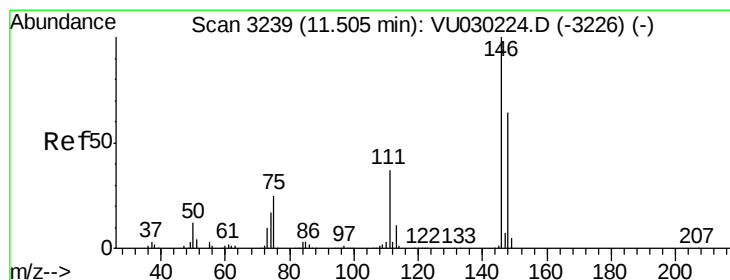
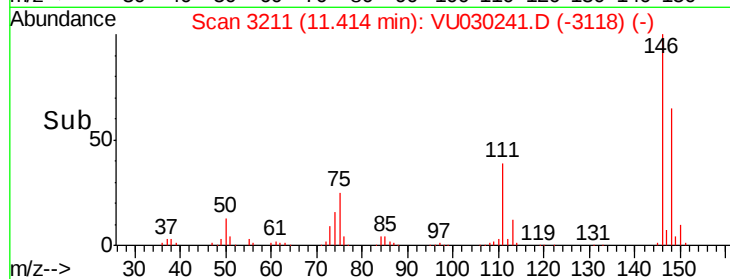
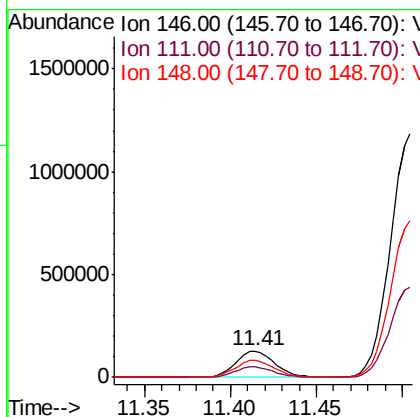
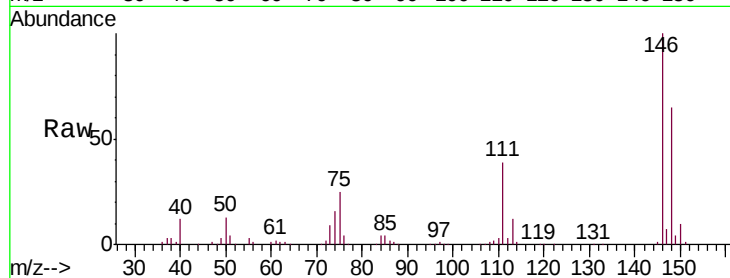




#62
 1,3-Dichlorobenzene
 Concen: 24.659 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

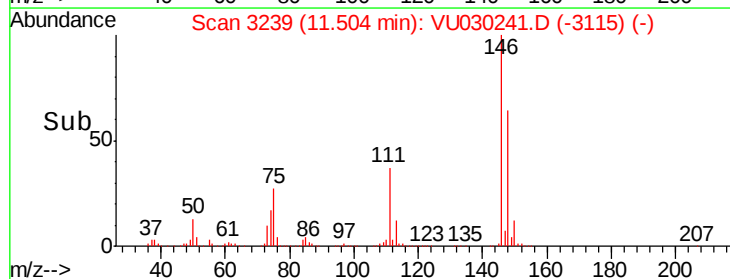
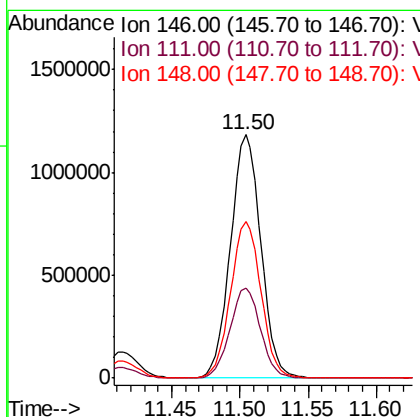
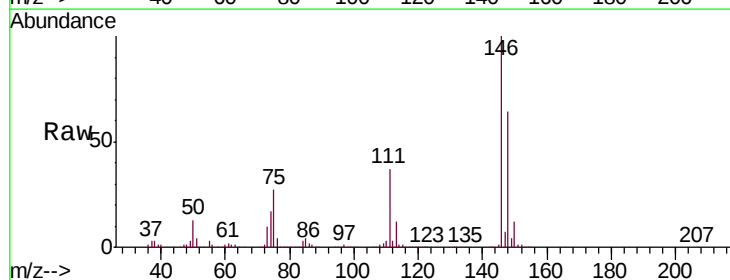
Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7

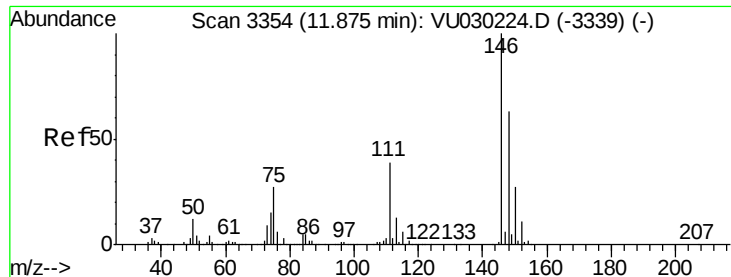
Tgt Ion:146 Resp: 204157
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.4
 148 65.1 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 212.999 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Tgt Ion:146 Resp: 1829209
 Ion Ratio Lower Upper
 146 100
 111 37.2 25.3 46.9
 148 64.3 44.7 82.9

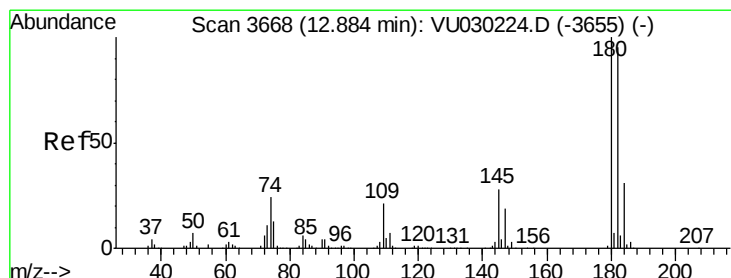
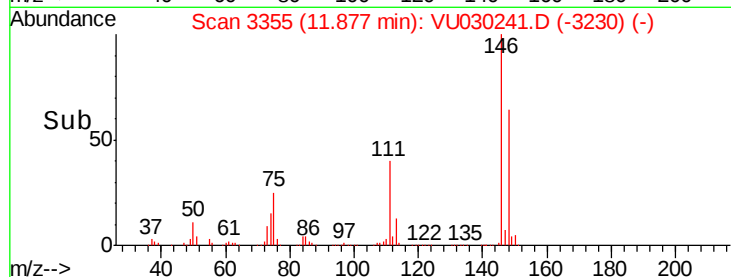
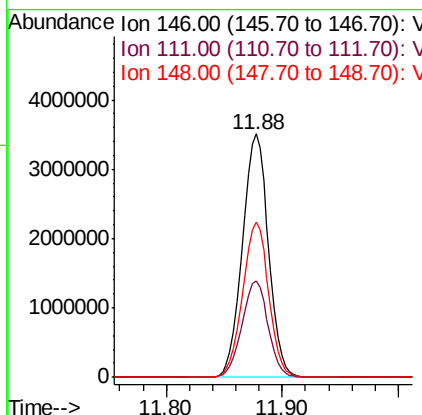
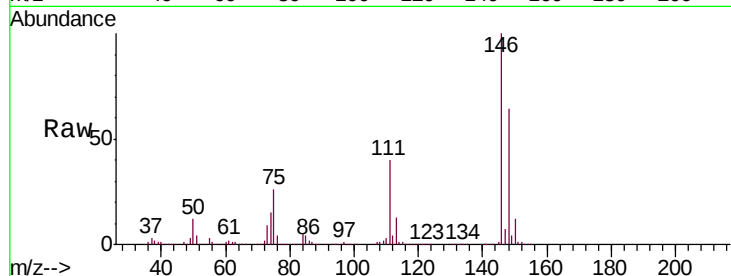




#65
 1,2-Dichlorobenzene
 Concen: 646.342 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

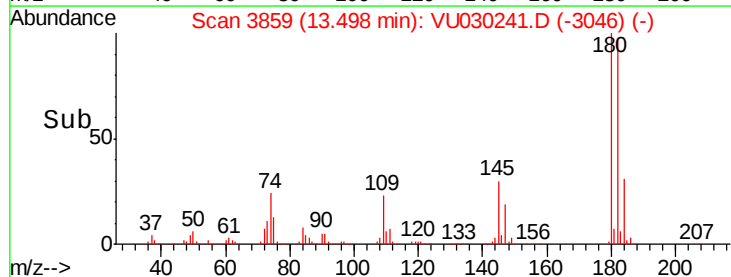
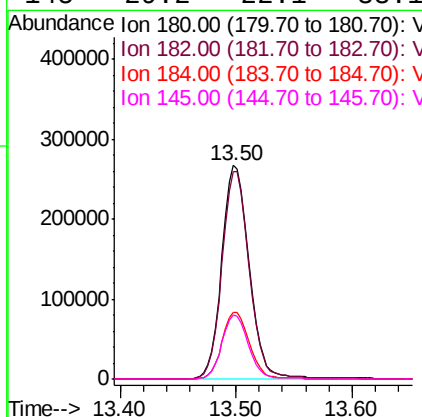
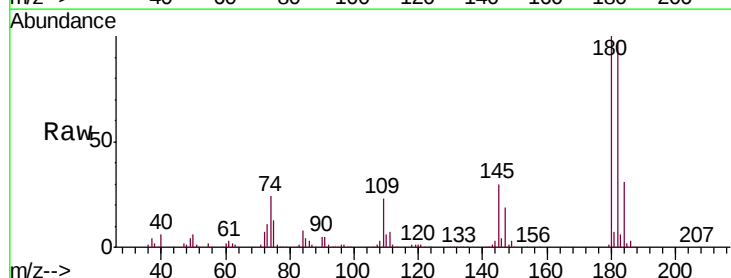
Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7

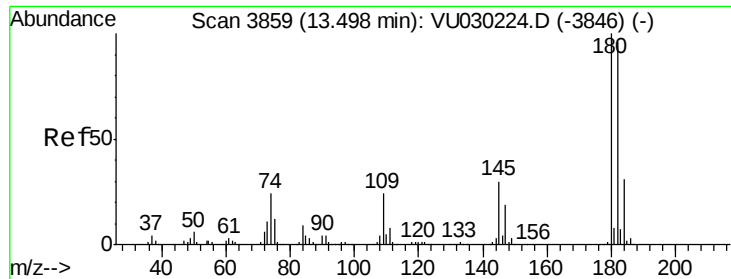
Tgt Ion:146 Resp: 5467348
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.7 47.5
 148 63.9 52.0 78.0



#67
 1,3,5-Trichlorobenzene
 Concen: 67.859 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.61 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Tgt Ion:180 Resp: 439086
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.0 114.0
 184 31.2 24.2 36.4
 145 29.2 22.1 33.1

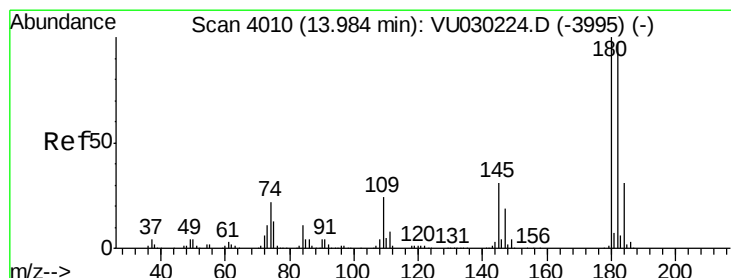
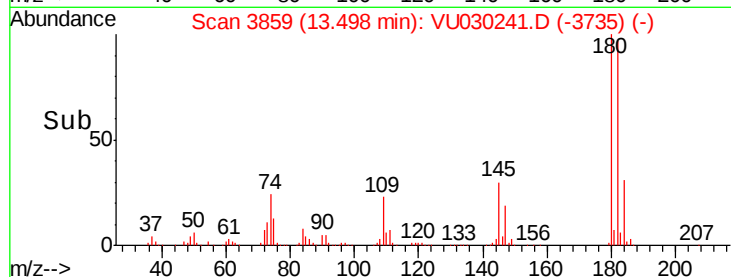
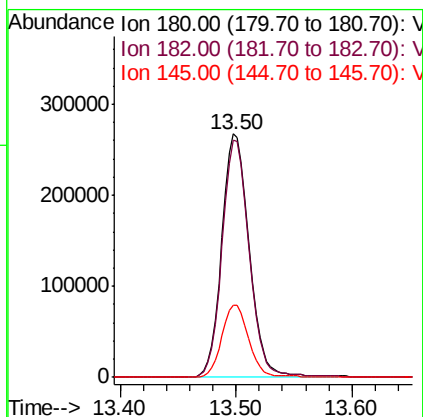
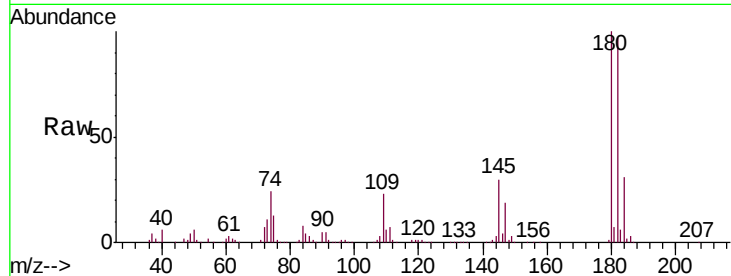




#68
 1,2,4-trichlorobenzene
 Concen: 76.736 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7

Tgt Ion:180 Resp: 439086
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.4 114.6
 145 29.2 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 28.242 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Tgt Ion:180 Resp: 168619
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.9 113.9
 145 31.1 24.1 36.1

