

Data File : VU032495.D
Acq On : 06 Jun 2019 14:30
Operator : JC/SP
Sample : K3224-02DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C59DL

Quant Time: Jun 07 04:11:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	213306	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	196533	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44399	32.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.16%
7) Chloroethane-d5	1.67	69	41330	37.16	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.32%
11) 1,1-Dichloroethene-d2	2.27	63	73144	26.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.98%#
21) 2-Butanone-d5	4.17	46	114567	98.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	4.64	84	110366	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.30	65	76549	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
32) Benzene-d6	5.33	84	227744	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
36) 1,2-Dichloropropane-d6	6.32	67	74979	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.74%
41) Toluene-d8	7.56	98	214967	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.85	79	35760	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.42%
47) 2-Hexanone-d5	8.31	63	77829	100.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113522	48.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	97587	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%

Target Compounds

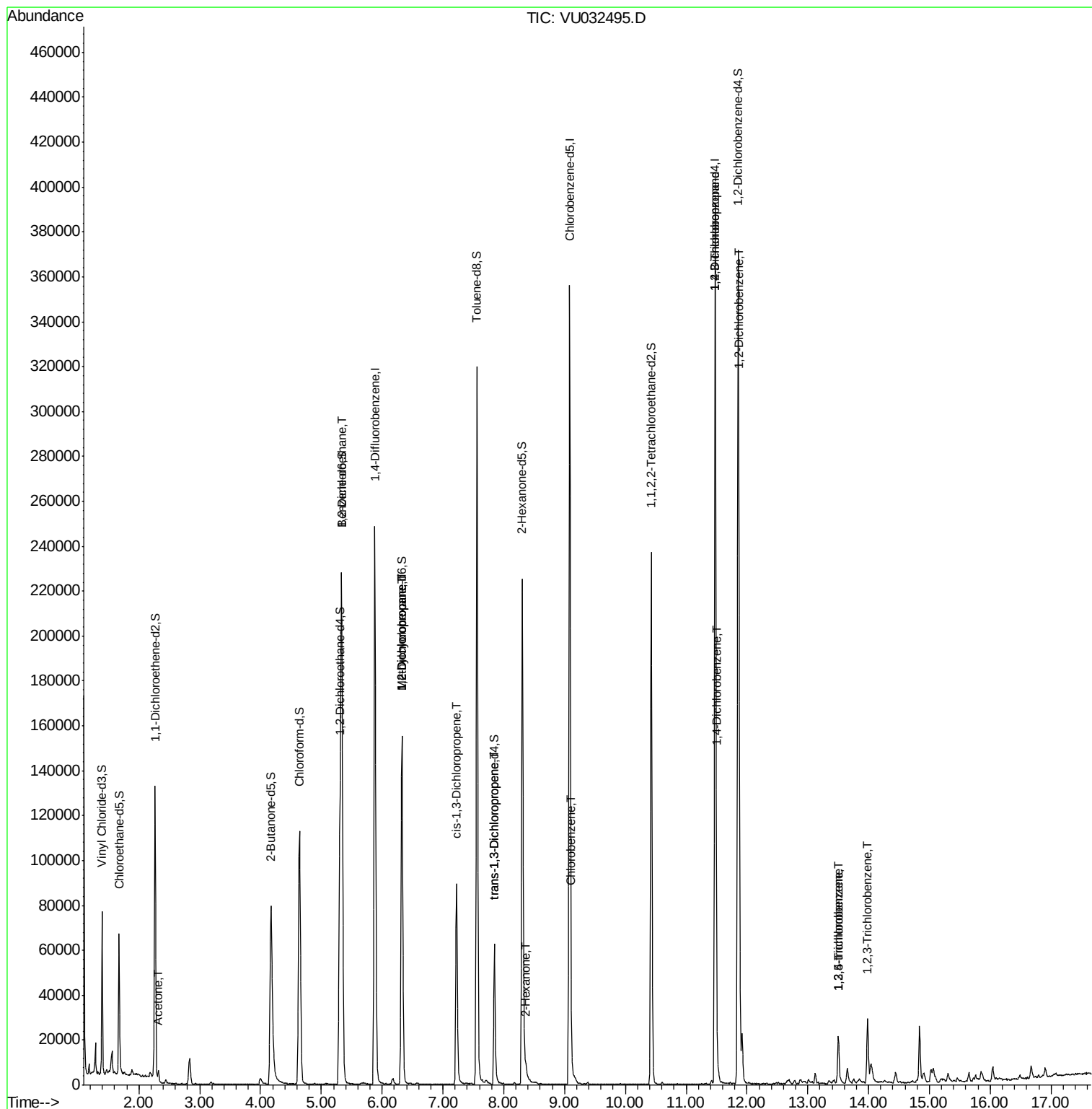
					Qvalue
13) Acetone	2.32	43	4565	3.820 ug/L	93
27) 1,2-Dichloroethane	5.34	62	1256	0.616 ug/L #	75
35) Methylcyclohexane	6.32	83	17252	7.094 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	8387	5.730 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2497	1.081 ug/L #	64
44) trans-1,3-Dichloropropene	7.85	75	1656	0.808 ug/L	98
48) 2-Hexanone	8.37	43	2938	1.519 ug/L #	45
51) Chlorobenzene	9.12	112	4069	1.044 ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	13771	7.237 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	4966	1.548 ug/L	96
65) 1,2-Dichlorobenzene	11.87	146	38790	12.226 ug/L	96
67) 1,3,5-Trichlorobenzene	13.50	180	7901	3.236 ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	7901	3.820 ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	7224	3.356 ug/L	94

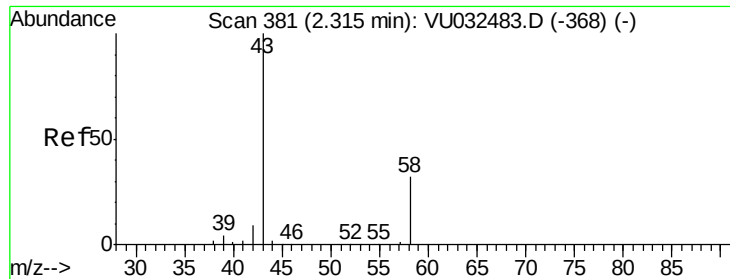
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.820 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032495.D

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Instrument :

MSVOA_U

ClientSampleId :

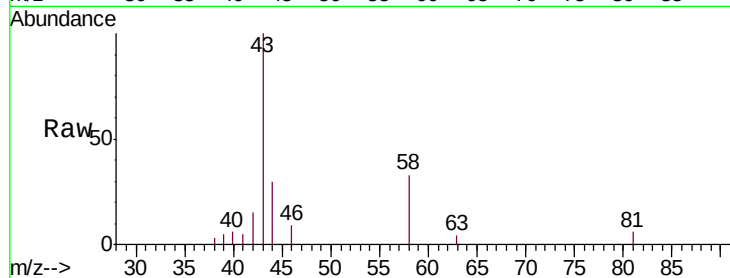
C0C59DL

Tgt Ion: 43 Resp: 4565

Ion Ratio Lower Upper

43 100

58 35.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032483.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU032483.D (-368) (-)

2.32

3000

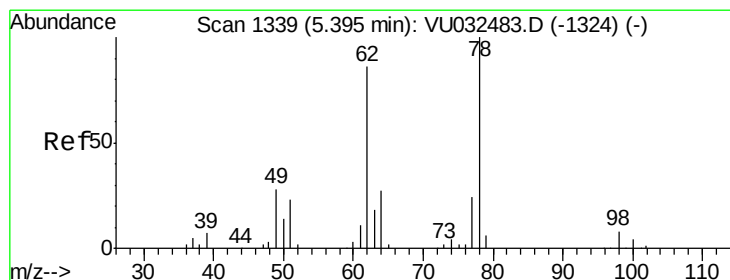
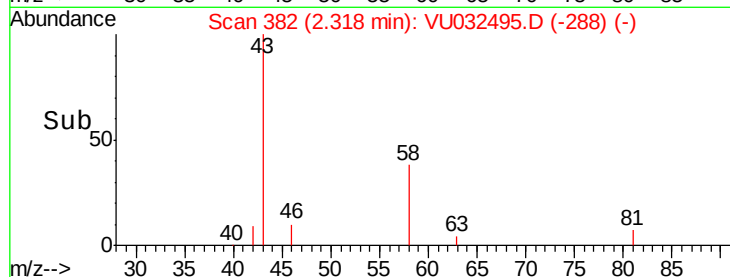
2000

1000

0

Time-->

2.30 2.35



#27

1,2-Dichloroethane

Concen: 0.616 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032495.D

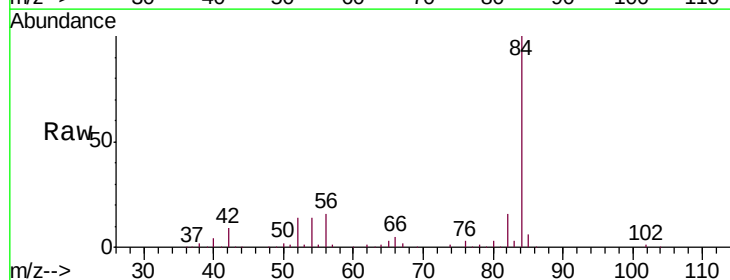
Acq: 06 Jun 2019 14:30

Tgt Ion: 62 Resp: 1256

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032483.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU032483.D (-1324) (-)

5.34

600

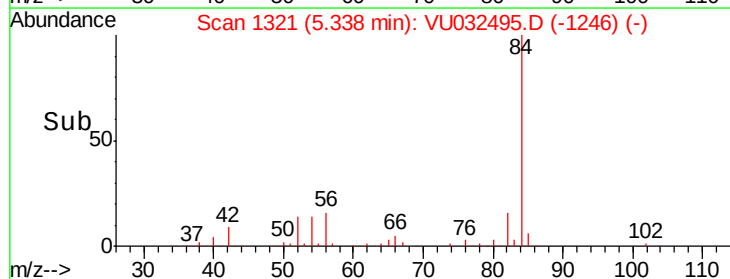
400

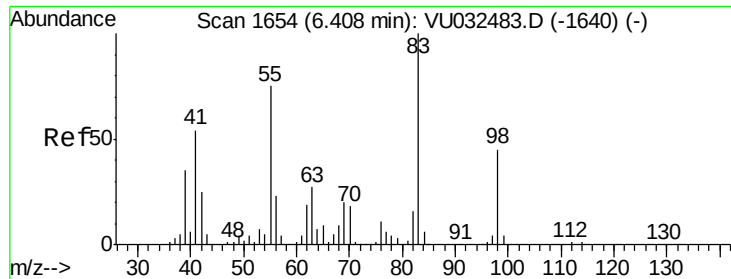
200

0

Time-->

5.30 5.35

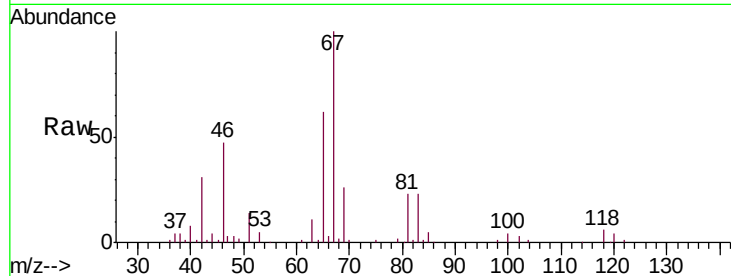




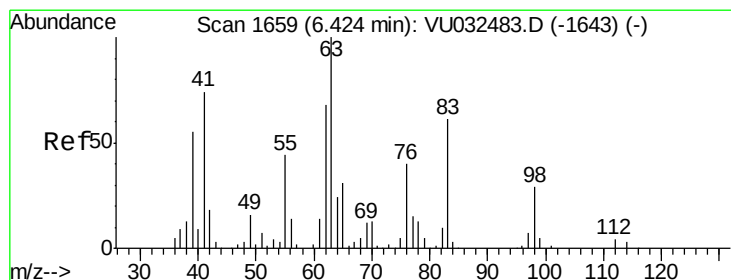
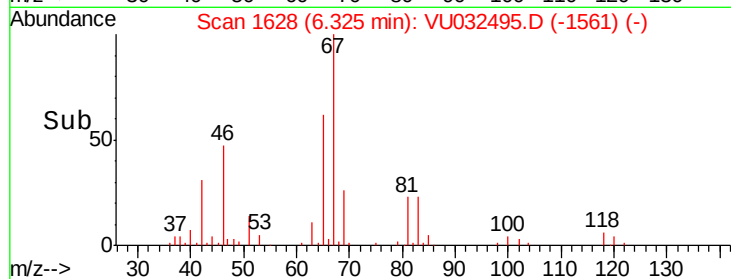
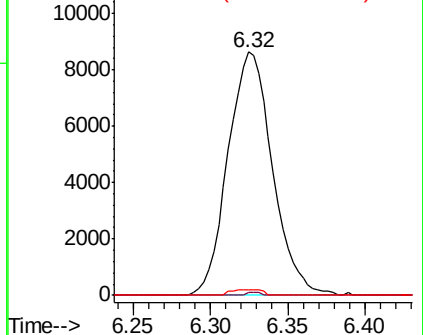
#35
Methylcyclohexane
Concen: 7.094 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032495.D
Acq: 06 Jun 2019 14:30

Instrument :
MSVOA_U
ClientSampleId :
C0C59DL

Tgt Ion: 83 Resp: 17252
Ion Ratio Lower Upper
83 100
55 0.4 60.2 90.4#
98 1.0 37.4 56.2#

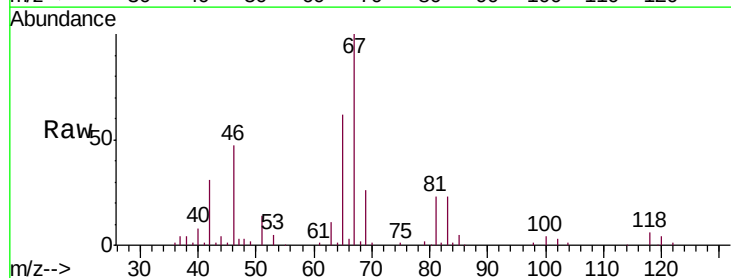


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

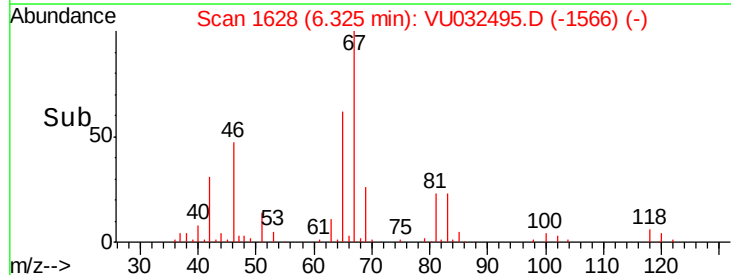
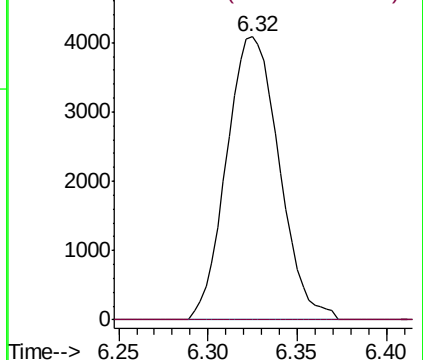


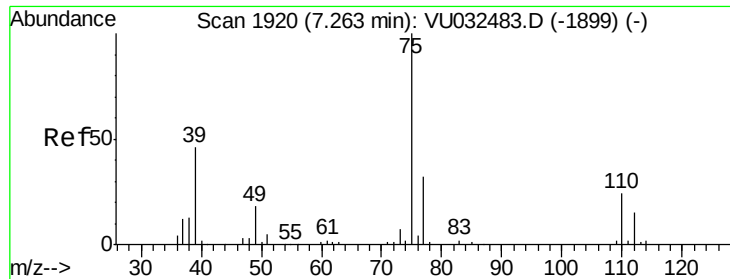
#37
1,2-Dichloropropane
Concen: 5.730 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032495.D
Acq: 06 Jun 2019 14:30

Tgt Ion: 63 Resp: 8387
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

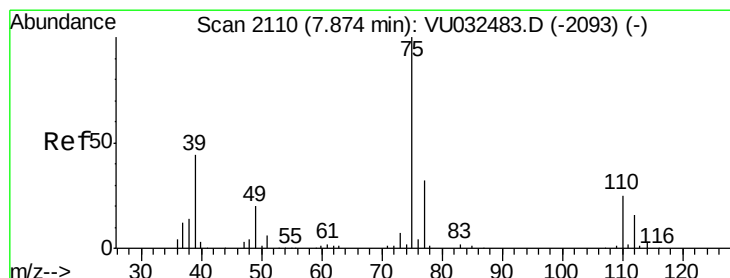
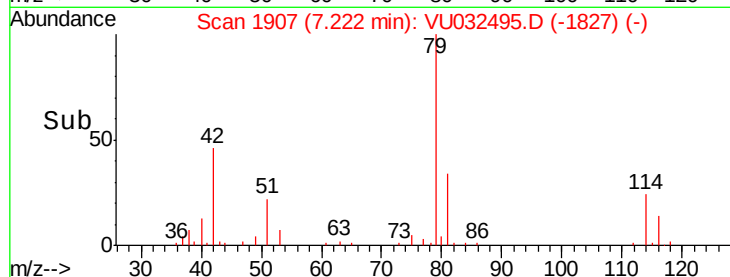
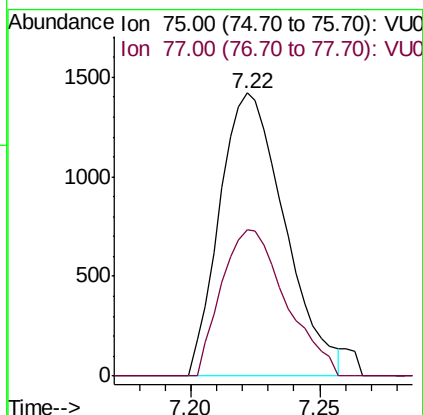
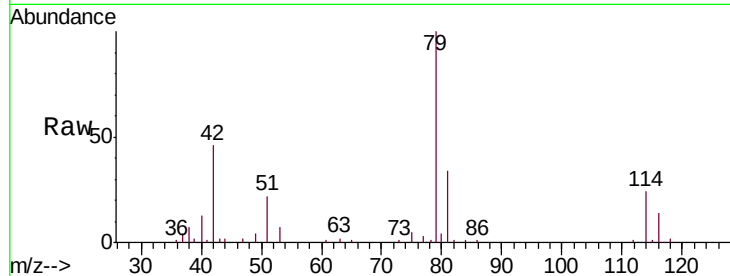




#39
 cis-1,3-Dichloropropene
 Concen: 1.081 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

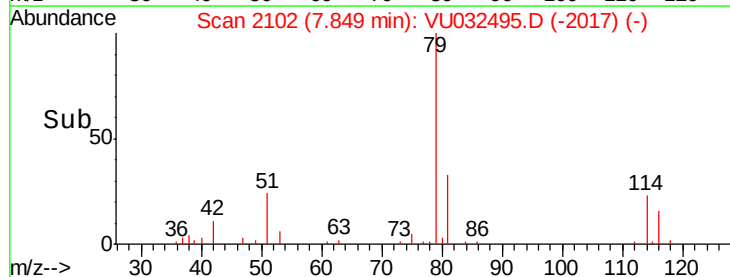
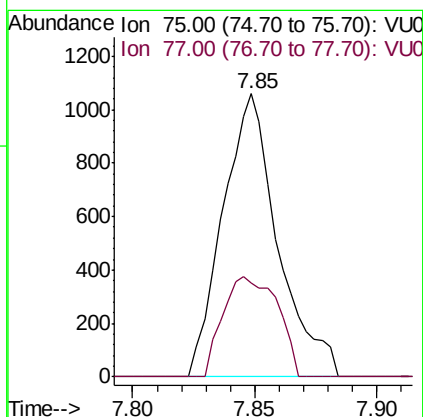
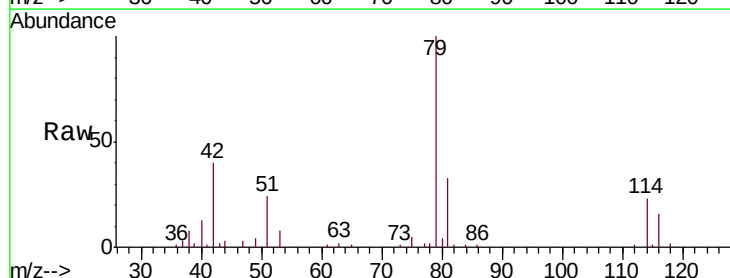
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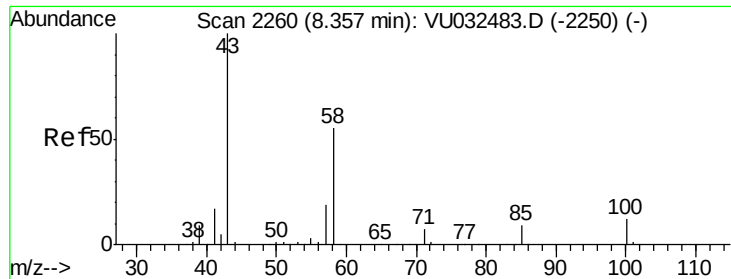
Tgt Ion: 75 Resp: 2497
 Ion Ratio Lower Upper
 75 100
 77 51.5 22.0 41.0#



#44
 trans-1,3-Dichloropropene
 Concen: 0.808 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

Tgt Ion: 75 Resp: 1656
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 41.1

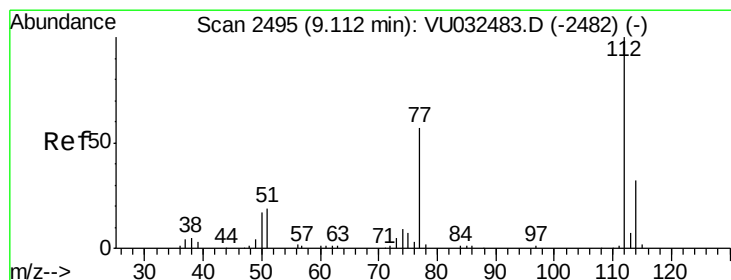
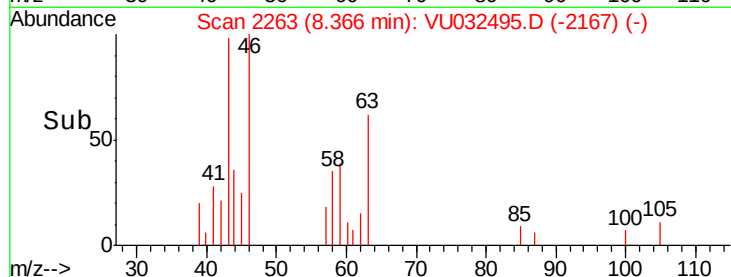
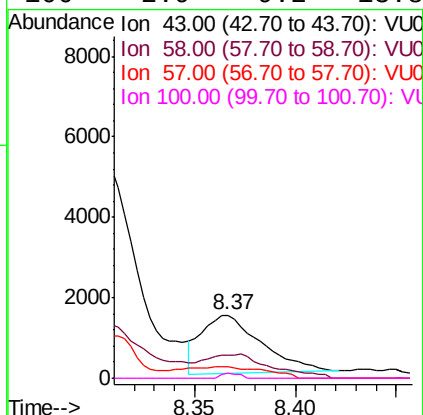
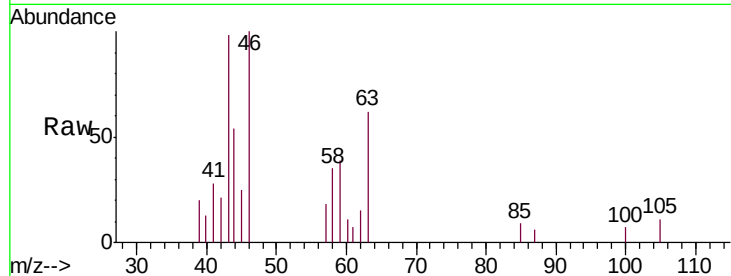




#48
2-Hexanone
Concen: 1.519 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032495.D
Acq: 06 Jun 2019 14:30

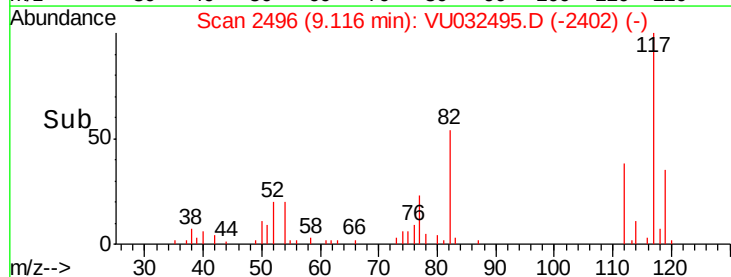
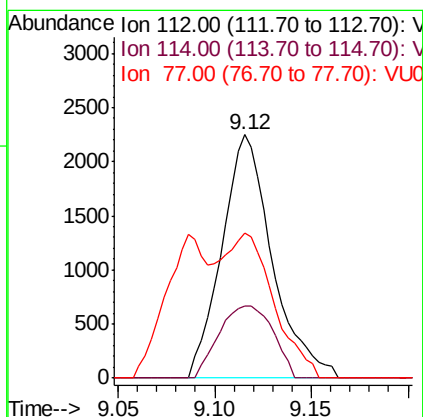
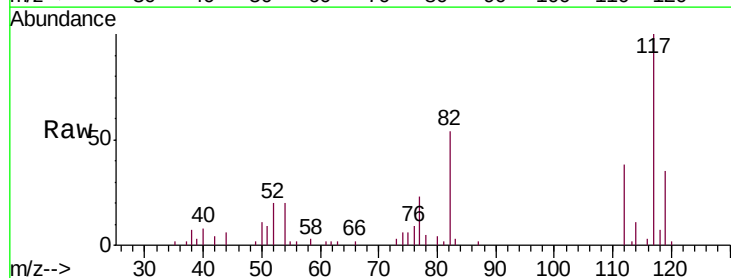
Instrument :
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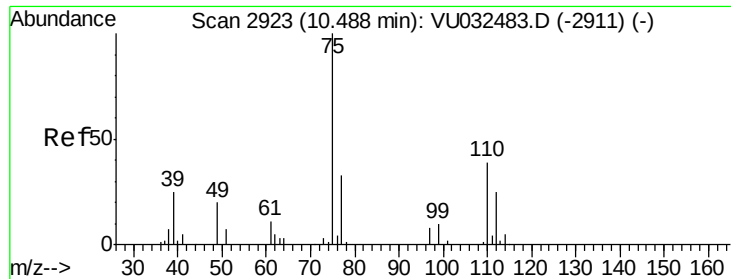
Tgt Ion:	43	Resp:	2938
Ion	Ratio	Lower	Upper
43	100		
58	3.9	42.0	63.0#
57	2.7	14.6	22.0#
100	2.9	9.2	13.8#



#51
Chlorobenzene
Concen: 1.044 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032495.D
Acq: 06 Jun 2019 14:30

Tgt Ion:	112	Resp:	4069
Ion	Ratio	Lower	Upper
112	100		
114	29.5	22.6	42.0
77	59.7	46.1	69.1

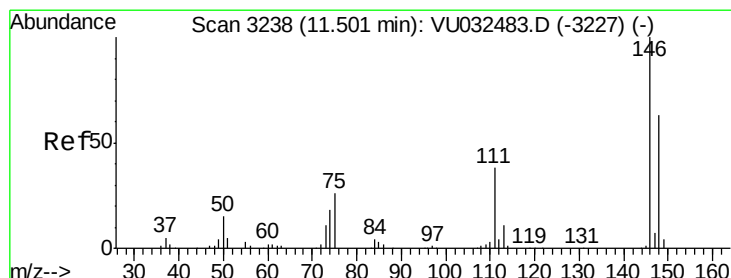
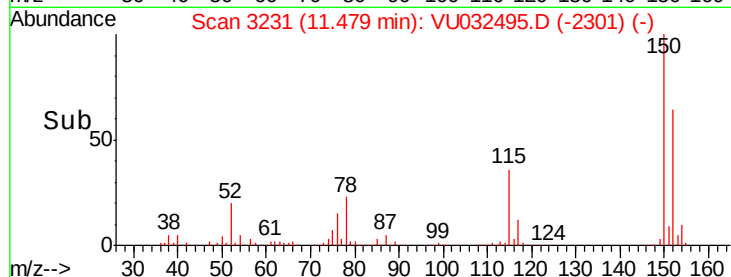
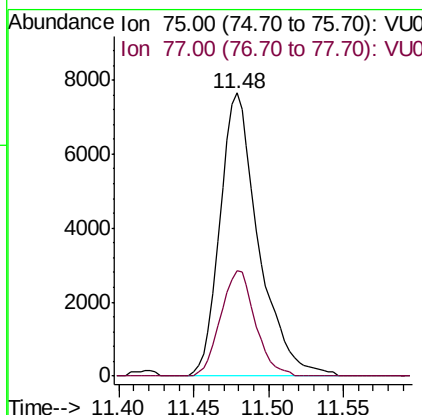
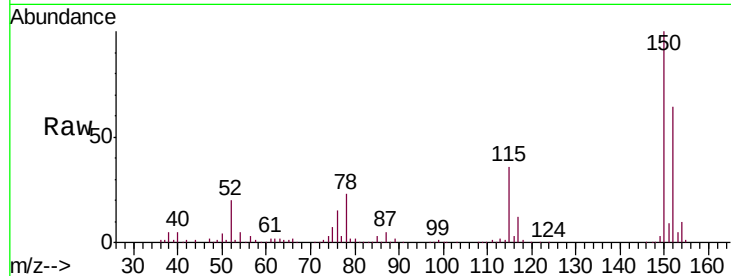




#59
 1,2,3-Trichloropropane
 Concen: 7.237 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

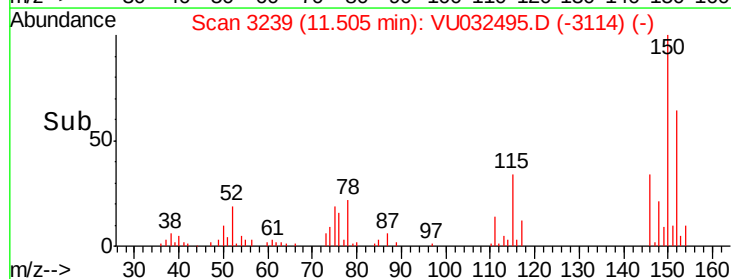
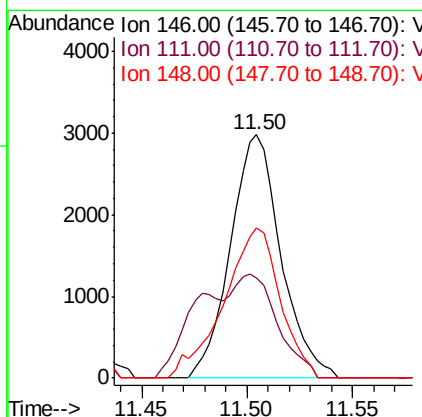
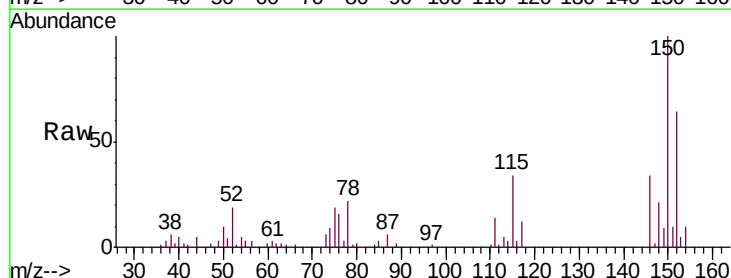
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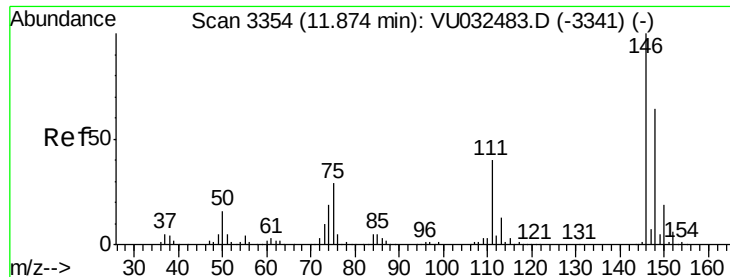
Tgt Ion: 75 Resp: 13771
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.6 38.4



#63
 1,4-Dichlorobenzene
 Concen: 1.548 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

Tgt Ion: 146 Resp: 4966
 Ion Ratio Lower Upper
 146 100
 111 41.4 26.6 49.4
 148 61.7 44.9 83.5

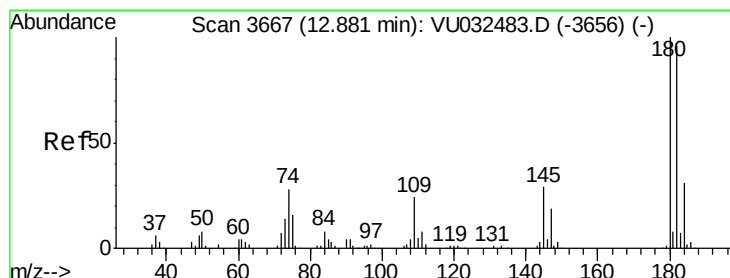
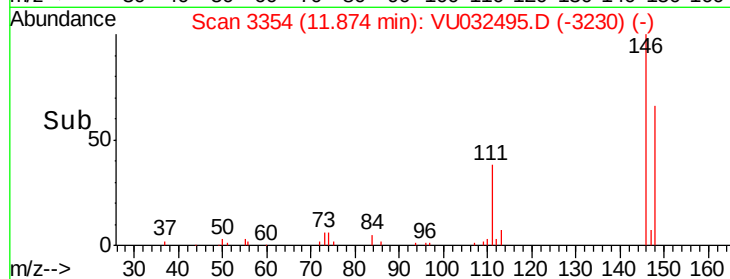
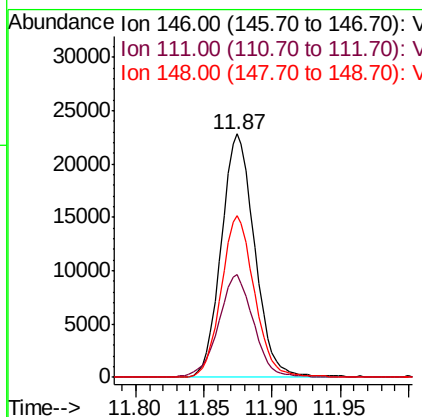
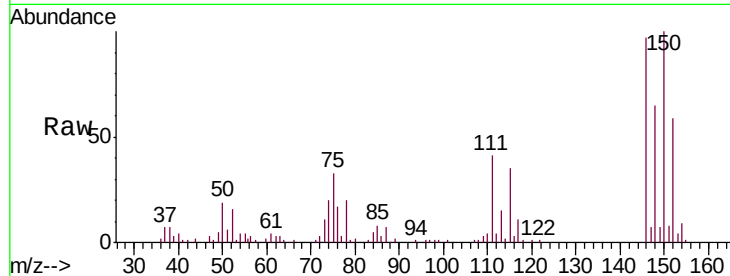




#65
 1,2-Dichlorobenzene
 Concen: 12.226 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

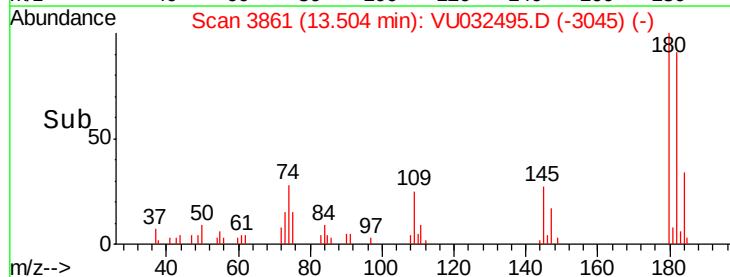
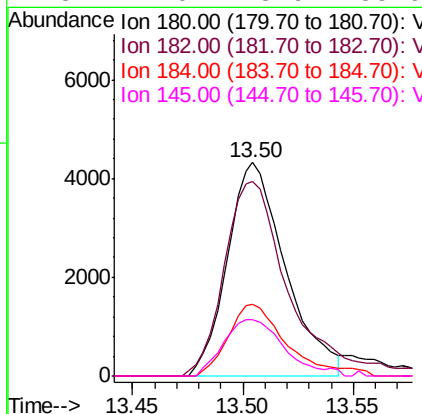
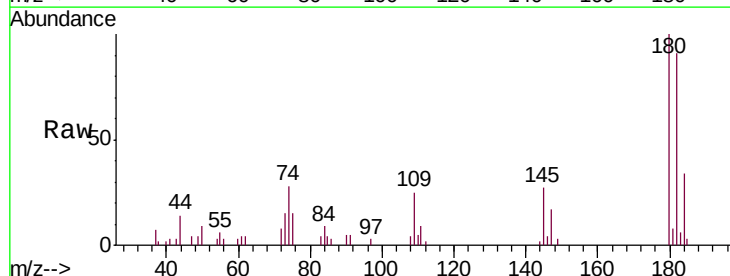
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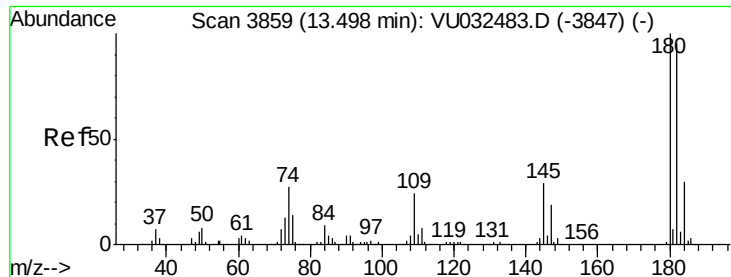
Tgt Ion:146 Resp: 38790
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.6 48.8
 148 66.6 50.5 75.7



#67
 1,3,5-Trichlorobenzene
 Concen: 3.236 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

Tgt Ion:180 Resp: 7901
 Ion Ratio Lower Upper
 180 100
 182 100.8 78.2 117.4
 184 34.1 24.2 36.2
 145 27.0 23.9 35.9

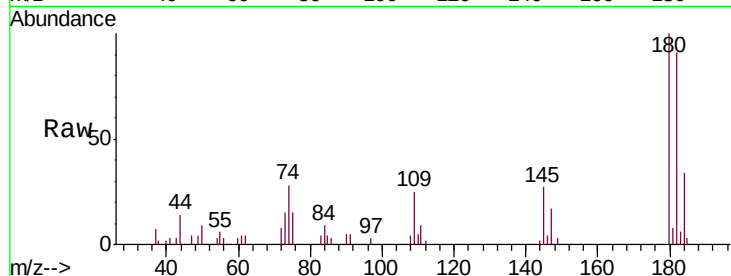




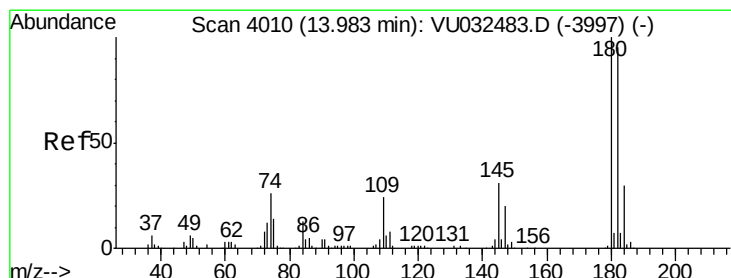
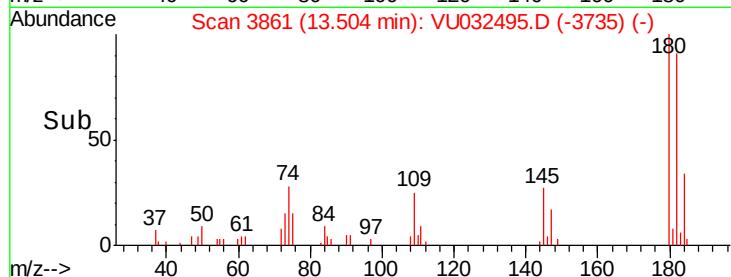
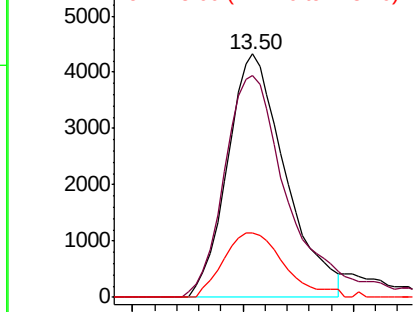
#68
 1,2,4-trichlorobenzene
 Concen: 3.820 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C59DL

Tgt Ion:180 Resp: 7901
 Ion Ratio Lower Upper
 180 100
 182 100.8 76.5 114.7
 145 27.0 23.8 35.6

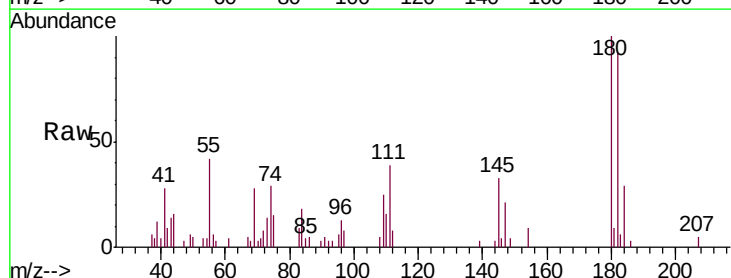


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 3.356 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU032495.D
 Acq: 06 Jun 2019 14:30

Tgt Ion:180 Resp: 7224
 Ion Ratio Lower Upper
 180 100
 182 89.3 76.7 115.1
 145 30.3 25.4 38.2



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

