

Data File : VU030562.D
Acq On : 29 Mar 2019 23:41
Operator : JC/SP
Sample : K2166-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1A8

Quant Time: Mar 30 02:17:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 02:12:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	425505	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	409701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	156738	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	142280	41.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.10%
7) Chloroethane-d5	1.67	69	125961	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.82%
11) 1,1-Dichloroethene-d2	2.27	63	211548	32.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.14%
21) 2-Butanone-d5	4.17	46	324505	100.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.81%
24) Chloroform-d	4.64	84	280759	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.31	65	193448	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.34	84	548073	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.33	67	204755	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.88%
41) Toluene-d8	7.56	98	458418	43.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.88%
43) trans-1,3-Dichloropropene-	7.85	79	83074	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
47) 2-Hexanone-d5	8.31	63	203224	93.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281512	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	157288	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	6940	1.322 ug/L	98
8) Chloroethane	1.59	64	5408	1.924 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	5663	1.824 ug/L #	79
12) 1,1-Dichloroethene	2.27	96	2160	0.710 ug/L #	1
13) Acetone	2.32	43	44786	13.757 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	1203	0.377 ug/L	83
20) cis-1,2-Dichloroethene	4.22	96	6930	1.935 ug/L	87
34) Trichloroethene	6.19	95	21488	6.267 ug/L	92
39) cis-1,3-Dichloropropene	7.22	75	5471	0.962 ug/L #	72
40) 4-Methyl-2-pentanone	7.47	43	6435	0.968 ug/L #	88
44) trans-1,3-Dichloropropene	7.85	75	2720	0.543 ug/L #	70
48) 2-Hexanone	8.36	43	14142	2.595 ug/L #	92
59) 1,2,3-Trichloropropane	11.48	75	22368	4.643 ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	4280	0.811 ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	2238	0.583 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	3416	1.025 ug/L	90
69) Naphthalene	13.75	128	24916	2.102 ug/L #	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU033019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Sat Mar 30 02:12:04 2019
Response via : Initial Calibration

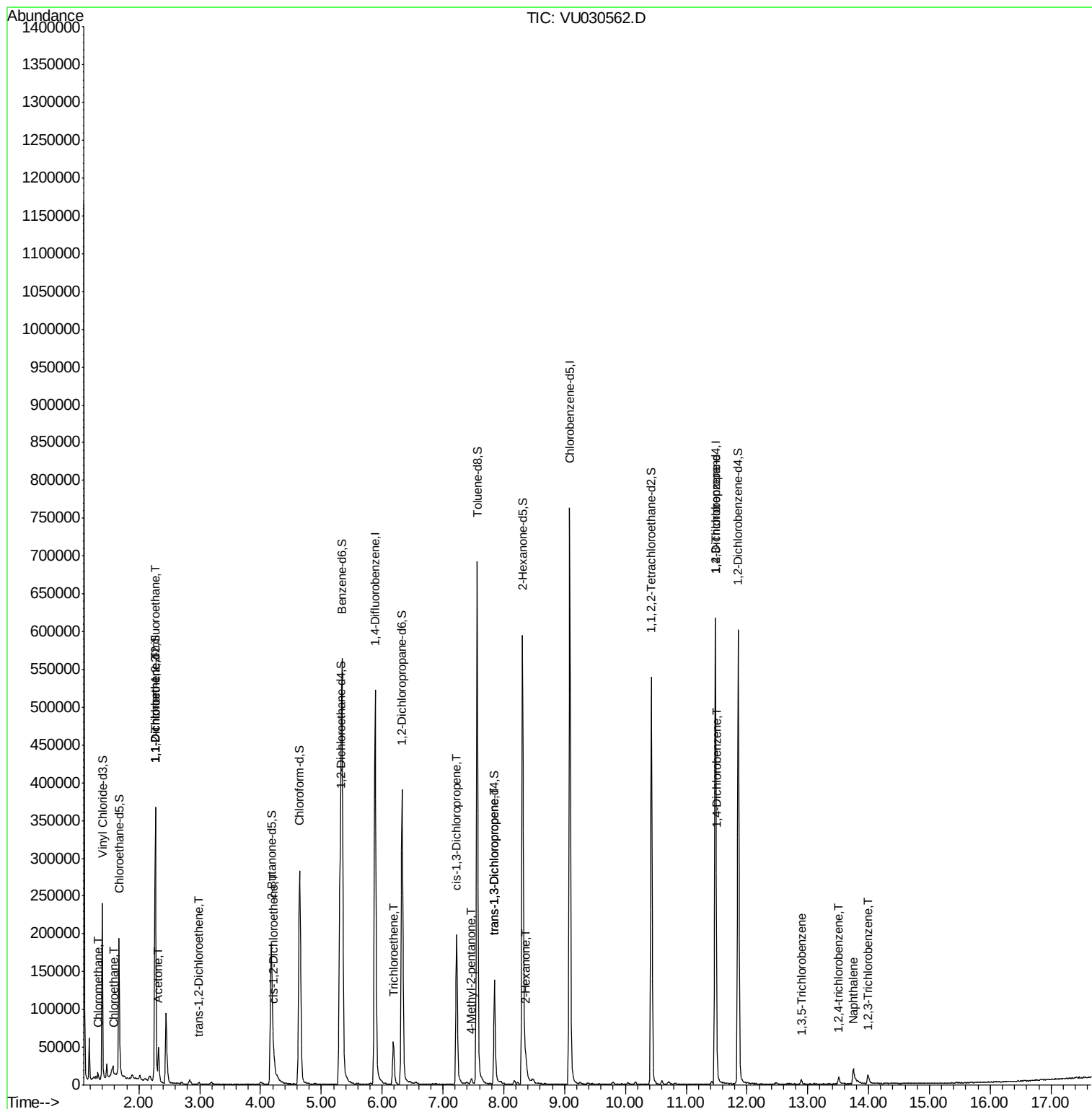
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	4929	1.400	ug/L #	90

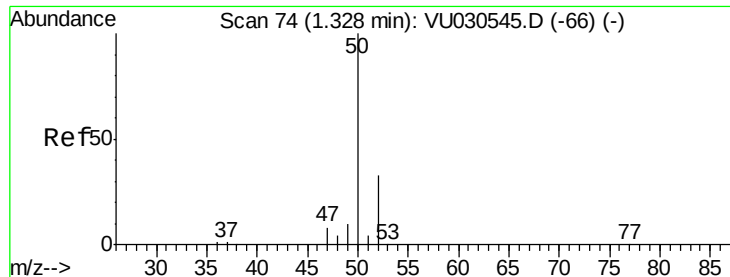
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.322 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

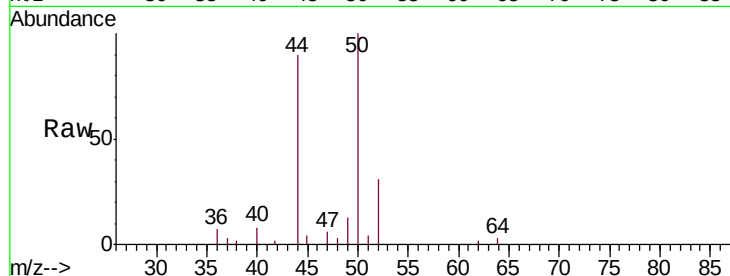
BF1A8

Tgt Ion: 50 Resp: 6940

Ion Ratio Lower Upper

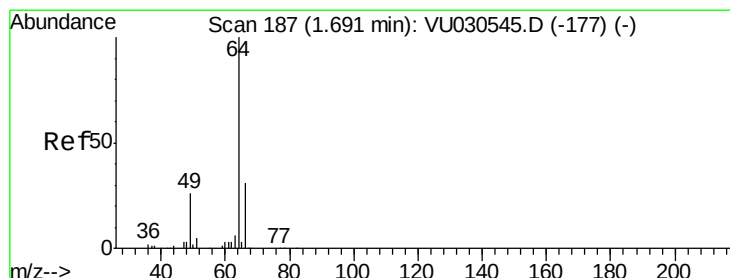
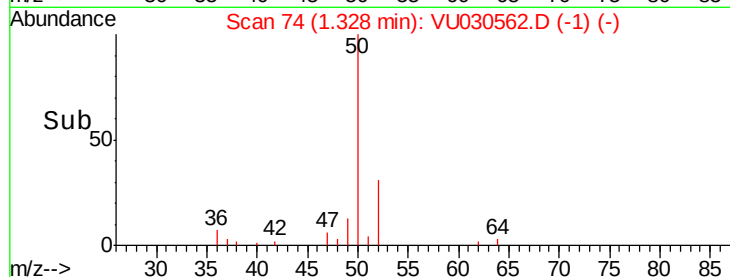
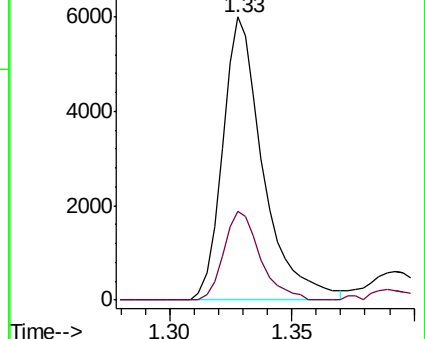
50 100

52 31.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030545.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030545.D (-66) (-)



#8

Chloroethane

Concen: 1.924 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.10 min

Lab File: VU030562.D

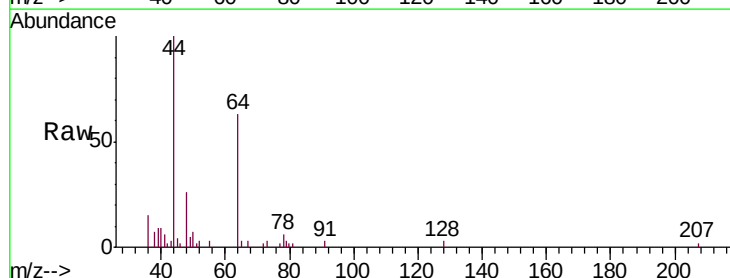
Acq: 29 Mar 2019 23:41

Tgt Ion: 64 Resp: 5408

Ion Ratio Lower Upper

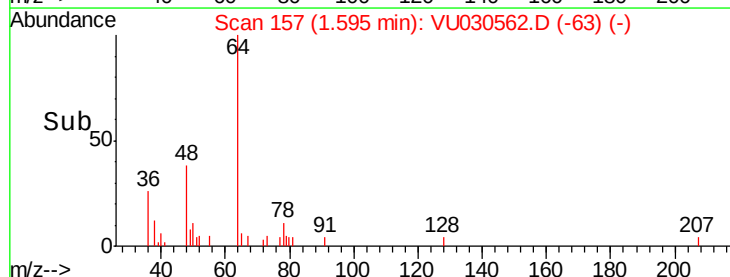
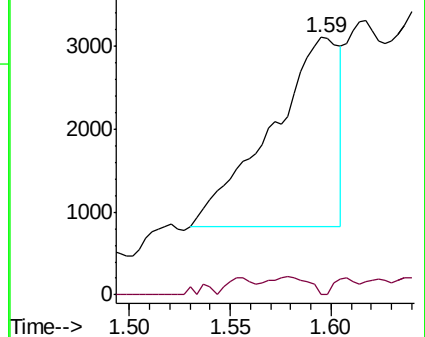
64 100

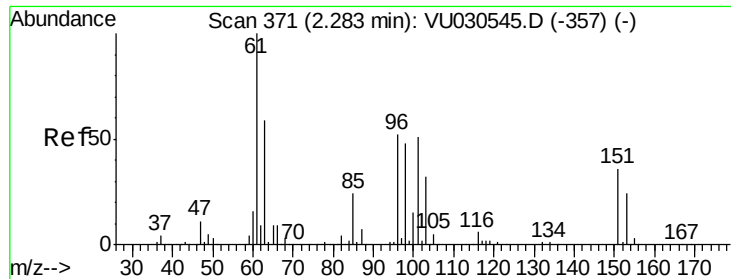
66 0.0 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU030545.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU030545.D (-177) (-)





#10

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

Concen: 1.824 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

BF1A8

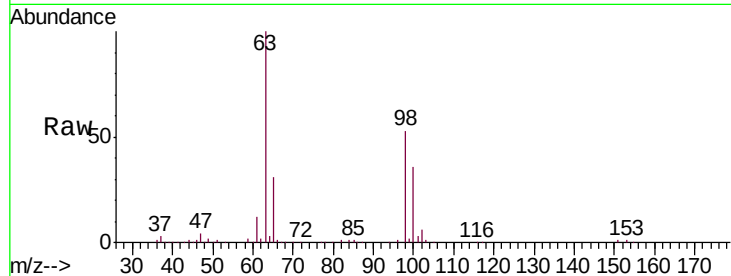
Tgt Ion:101 Resp: 5663

Ion Ratio Lower Upper

101 100

85 30.4 34.8 52.2#

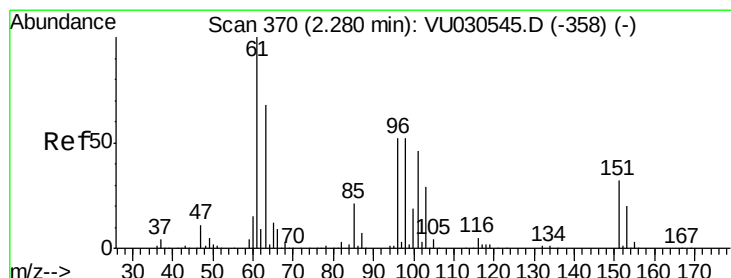
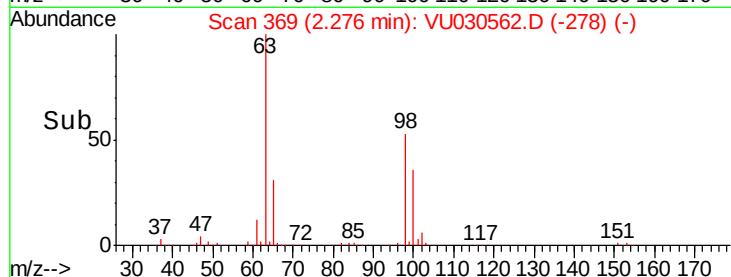
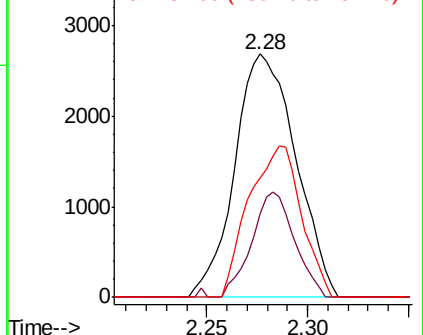
151 53.6 56.6 85.0#



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



#12

1,1-Dichloroethene

Concen: 0.710 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

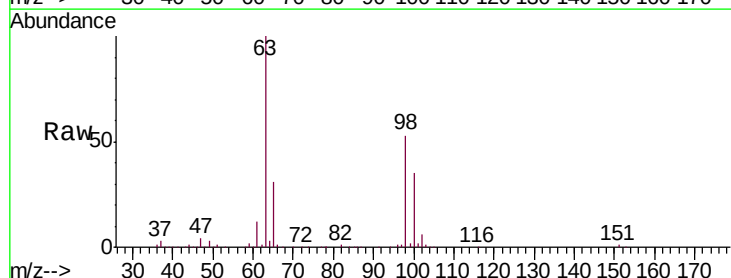
Tgt Ion: 96 Resp: 2160

Ion Ratio Lower Upper

96 100

61 1098.1 131.0 243.4#

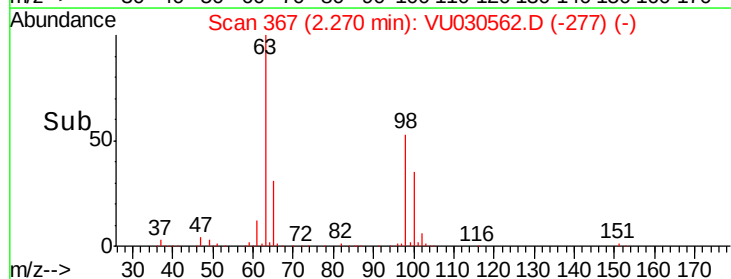
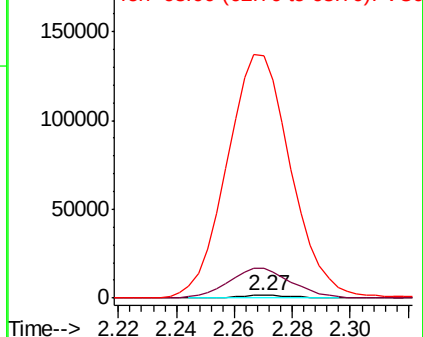
63 9048.3 92.4 171.6#

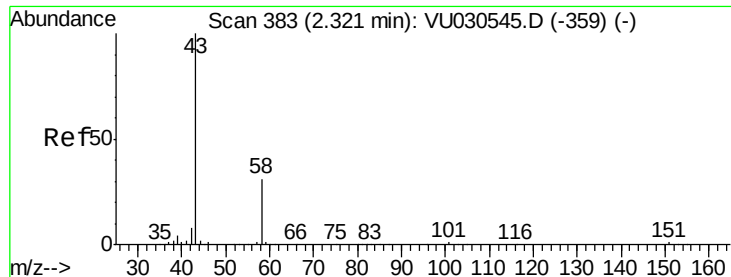


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.757 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Instrument :

MSVOA_U

ClientSampled :

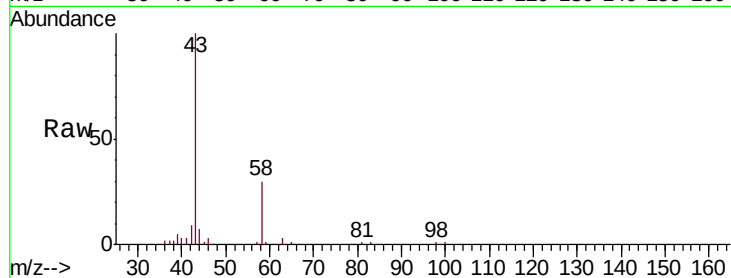
BF1A8

Tgt Ion: 43 Resp: 44786

Ion Ratio Lower Upper

43 100

58 29.5 0.0 62.8

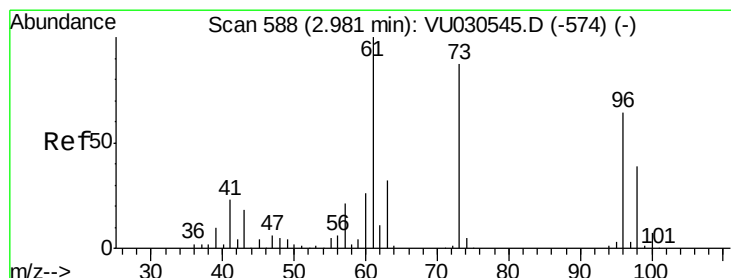
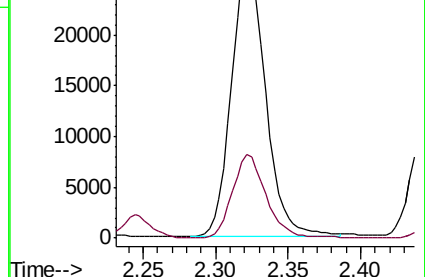
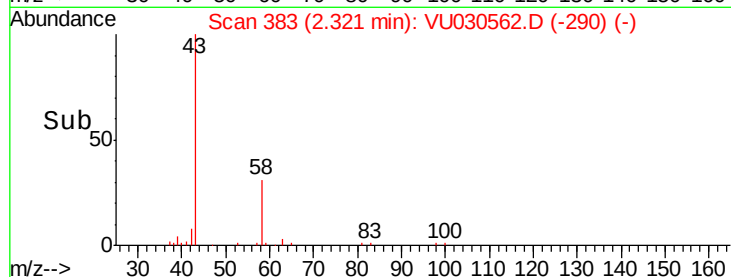


Abundance Ion 43.00 (42.70 to 43.70): VU030545.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU030545.D (-359) (-)

2.32

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.377 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

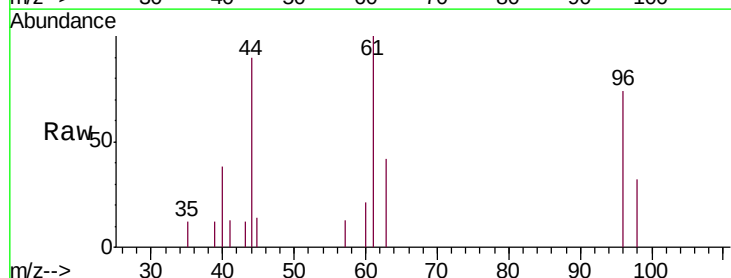
Tgt Ion: 96 Resp: 1203

Ion Ratio Lower Upper

96 100

61 135.1 108.6 201.8

98 43.7 42.3 78.5



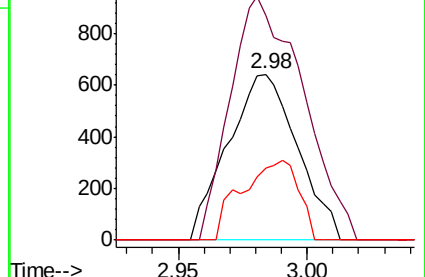
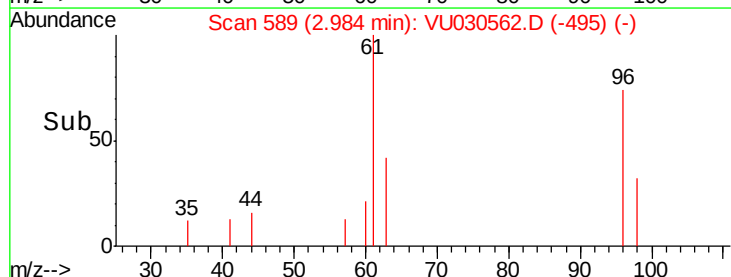
Abundance Ion 96.00 (95.70 to 96.70): VU030545.D (-574) (-)

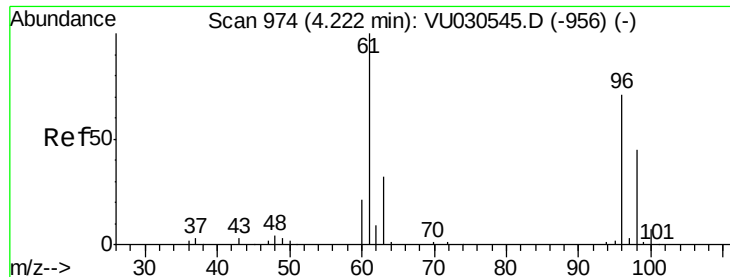
Ion 61.00 (60.70 to 61.70): VU030545.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030545.D (-574) (-)

2.98

Time-->





#20

cis-1,2-Dichloroethene

Concen: 1.935 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Instrument :

MSVOA_U

ClientSampleID :

BF1A8

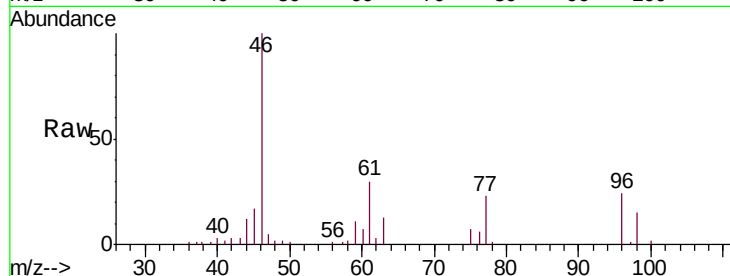
Tgt Ion: 96 Resp: 6930

Ion Ratio Lower Upper

96 100

61 124.3 98.4 182.8

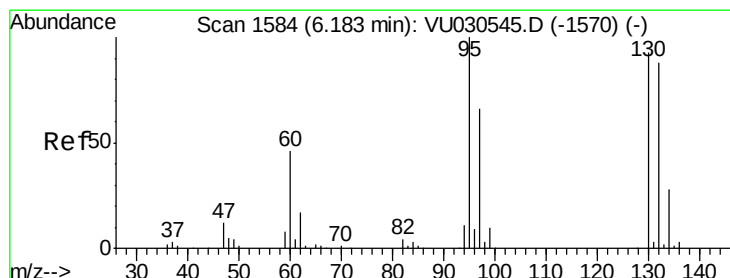
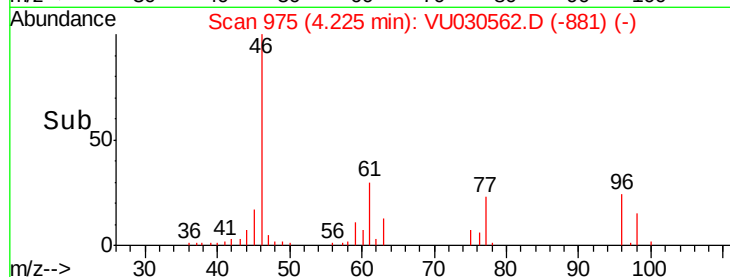
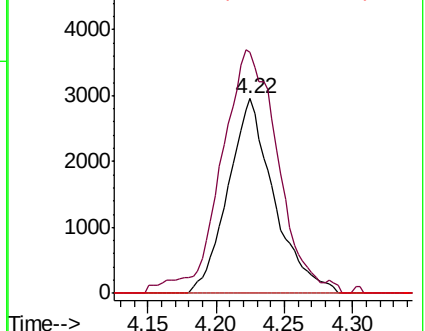
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030545.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU030545.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU030545.D (-956) (-)



#34

Trichloroethene

Concen: 6.267 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Tgt Ion: 95 Resp: 21488

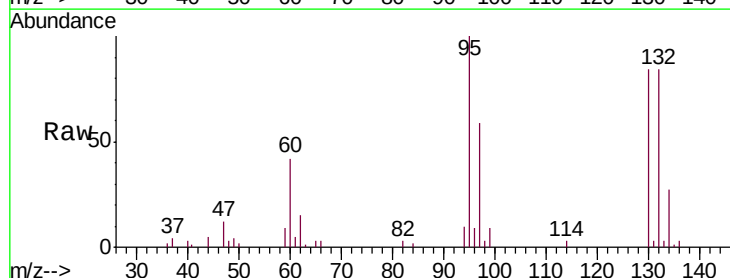
Ion Ratio Lower Upper

95 100

97 58.6 45.7 84.9

132 84.3 63.8 118.4

130 84.3 65.7 121.9

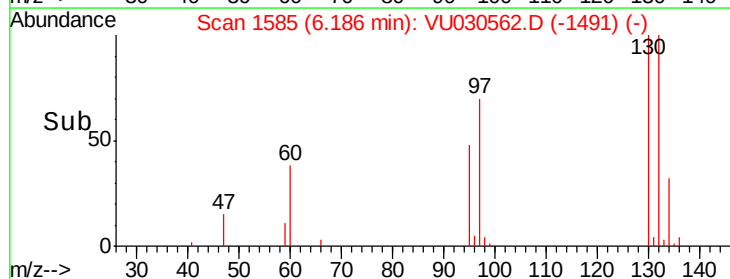
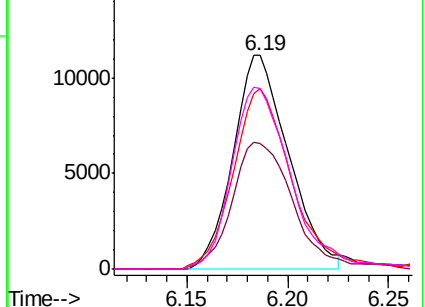


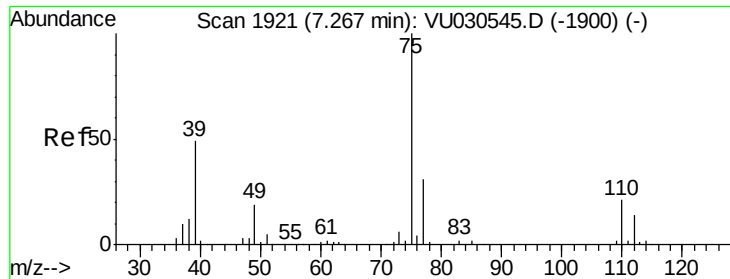
Abundance Ion 95.00 (94.70 to 95.70): VU030545.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030545.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030545.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030545.D (-1570) (-)

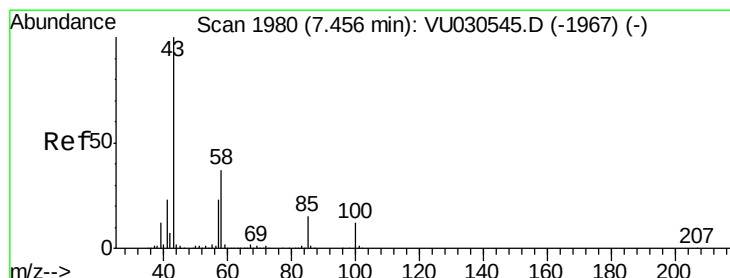
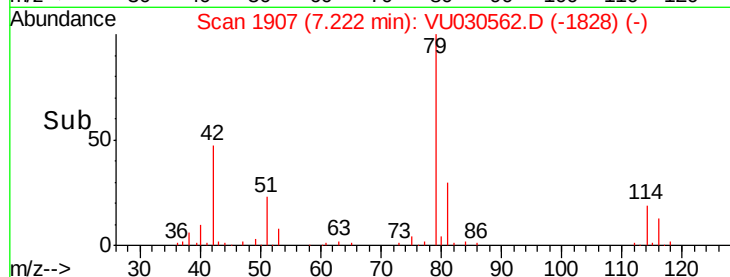
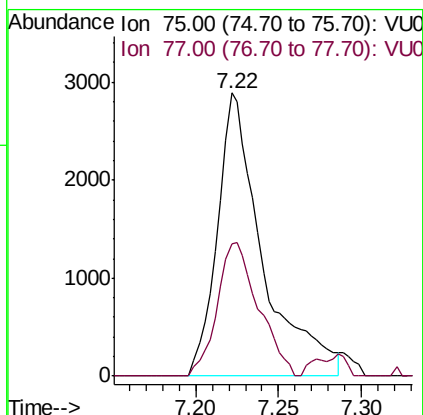
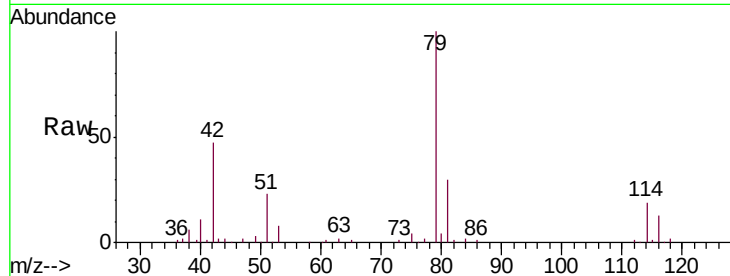




#39
 cis-1,3-Dichloropropene
 Concen: 0.962 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.05 min
 Lab File: VU030562.D
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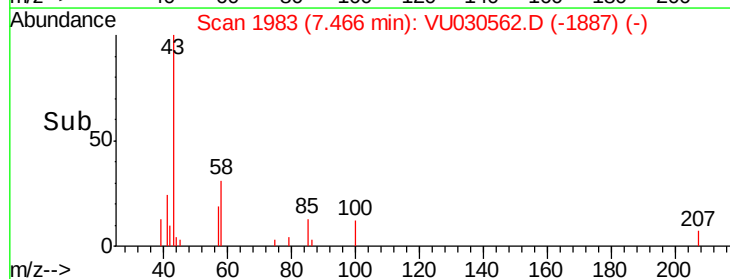
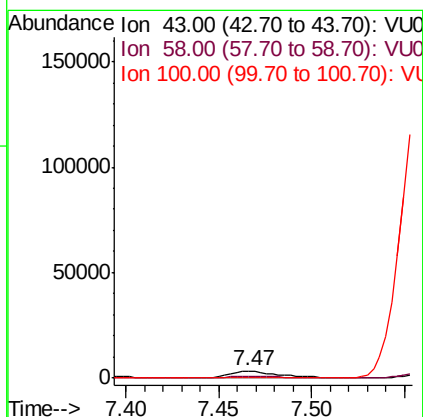
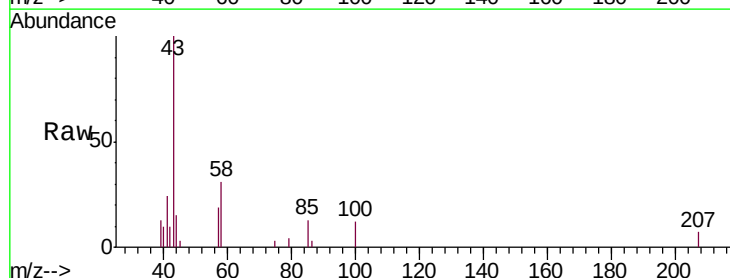
Instrument :
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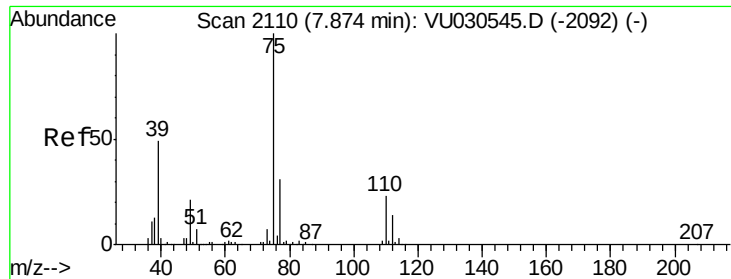
Tgt Ion: 75 Resp: 5471
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.8 40.6#



#40
 4-Methyl-2-pentanone
 Concen: 0.968 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

Tgt Ion: 43 Resp: 6435
 Ion Ratio Lower Upper
 43 100
 58 29.8 30.6 45.8#
 100 9.1 9.5 14.3#

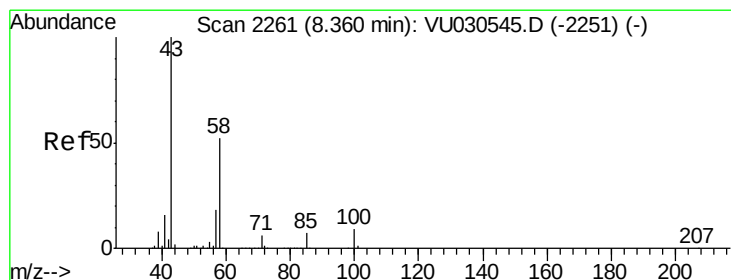
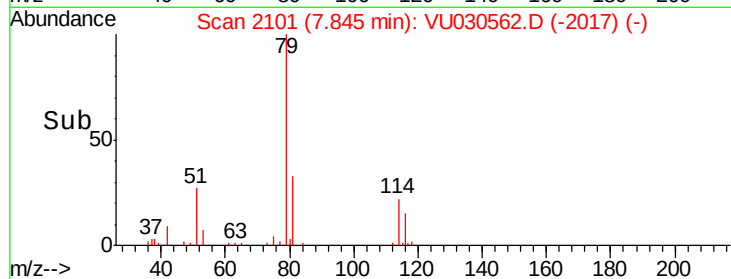
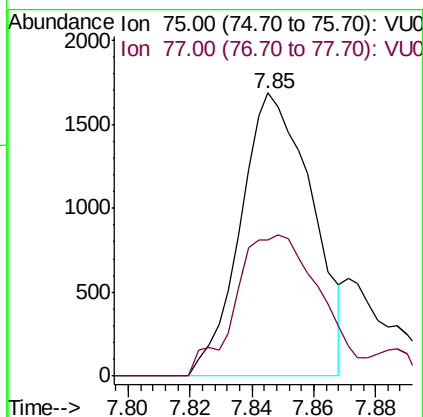
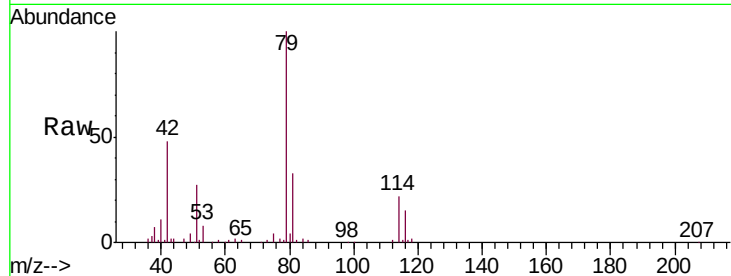




#44
 trans-1,3-Dichloropropene
 Concen: 0.543 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

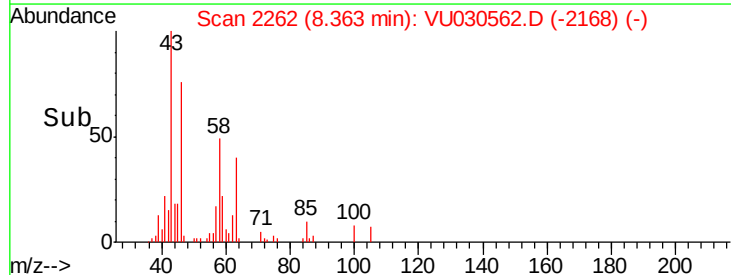
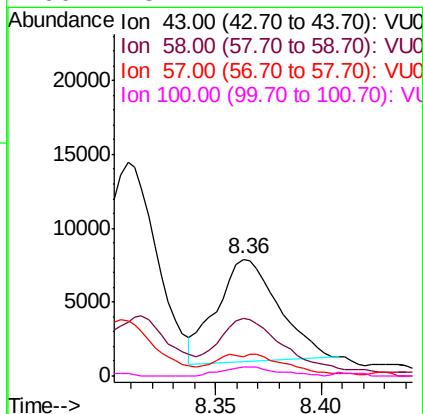
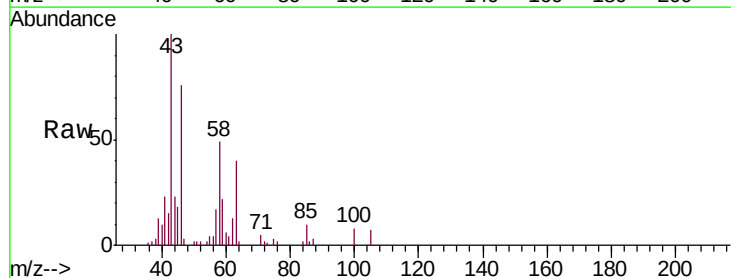
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A8

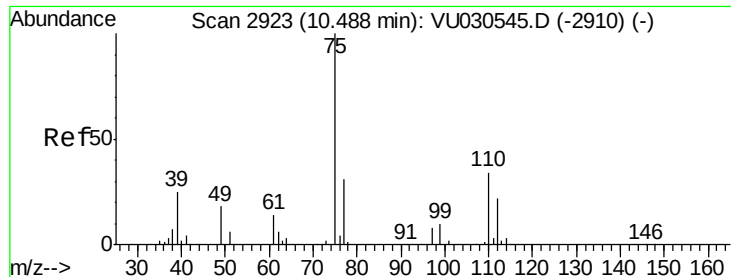
Tgt Ion: 75 Resp: 2720
 Ion Ratio Lower Upper
 75 100
 77 48.2 22.0 40.8#



#48
 2-Hexanone
 Concen: 2.595 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

Tgt Ion: 43 Resp: 14142
 Ion Ratio Lower Upper
 43 100
 58 52.8 42.5 63.7
 57 4.5 15.0 22.6#
 100 8.1 7.4 11.2

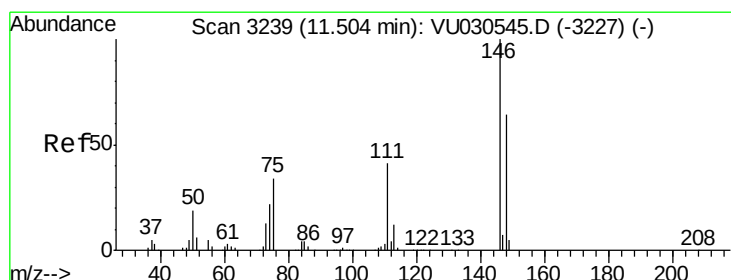
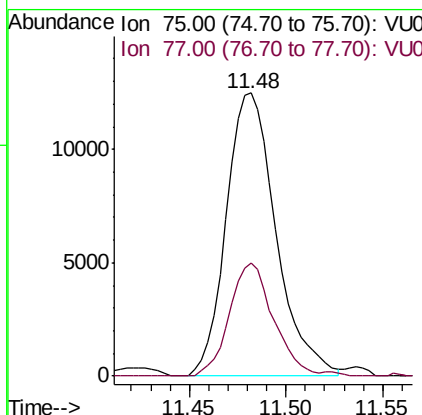
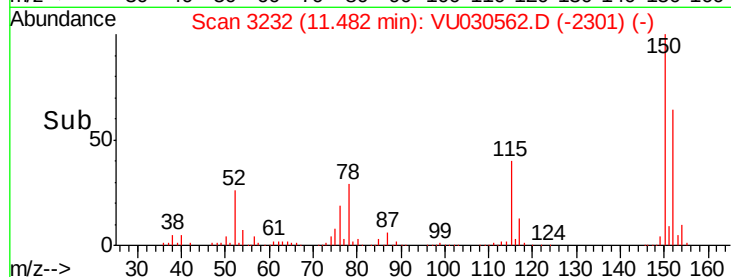
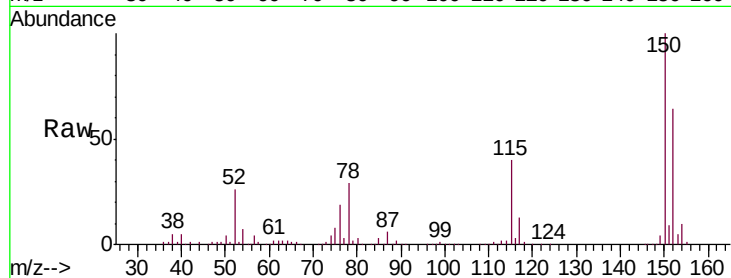




#59
 1,2,3-Trichloropropane
 Concen: 4.643 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

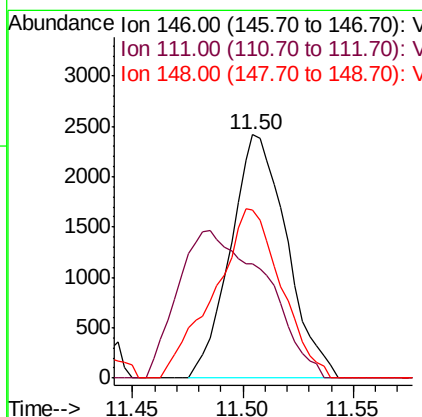
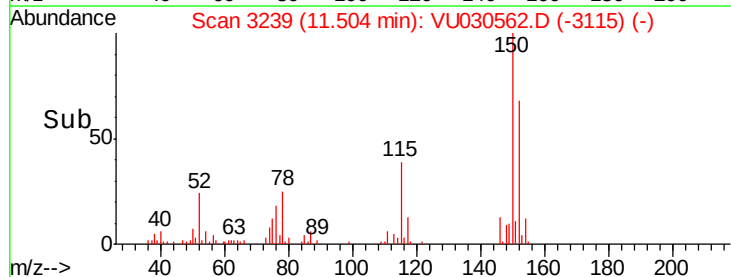
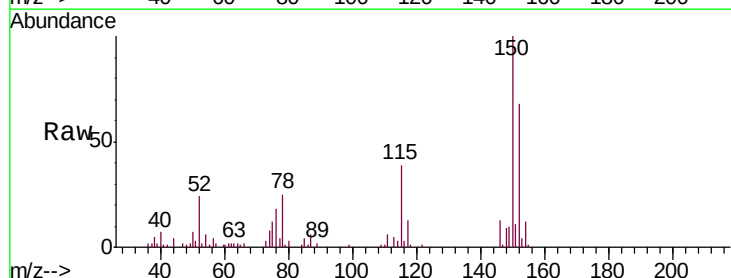
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A8

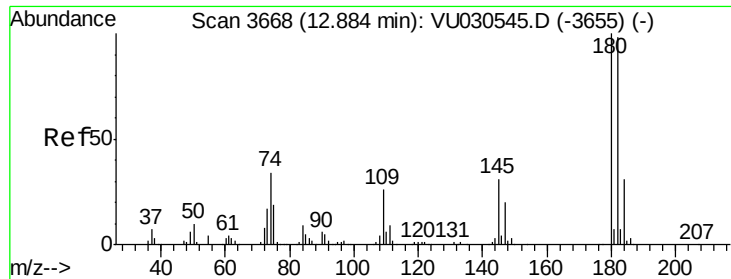
Tgt Ion: 75 Resp: 22368
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.4 38.2



#63
 1,4-Dichlorobenzene
 Concen: 0.811 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

Tgt Ion: 146 Resp: 4280
 Ion Ratio Lower Upper
 146 100
 111 46.8 28.7 53.3
 148 69.1 44.3 82.3

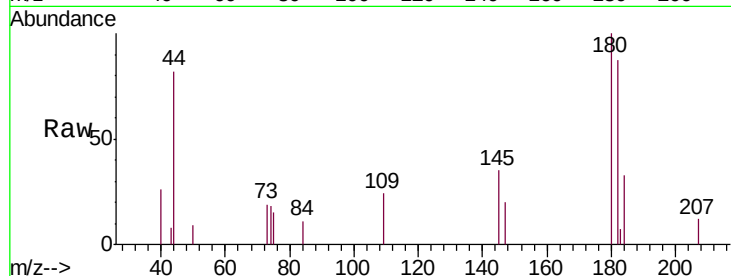




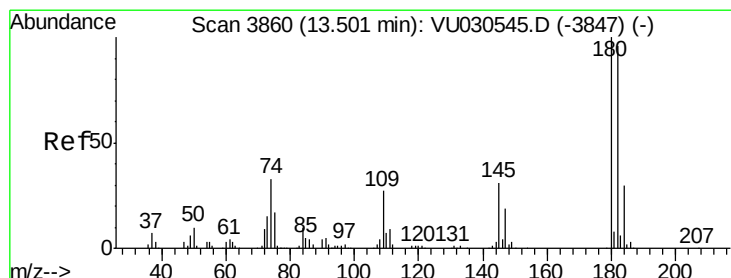
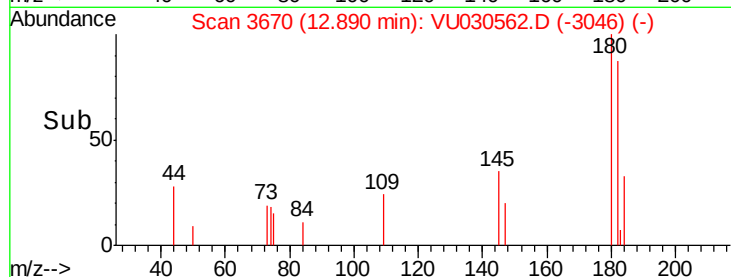
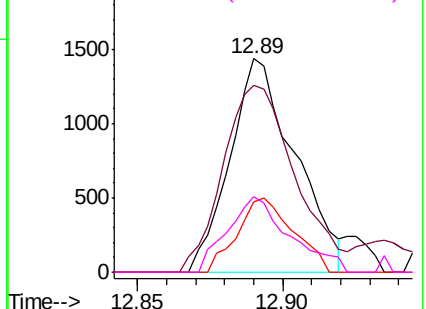
#67
 1,3,5-Trichlorobenzene
 Concen: 0.583 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1A8

Tgt Ion:180 Resp: 2238
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.9 113.9
 184 29.8 24.1 36.1
 145 33.8 23.8 35.8

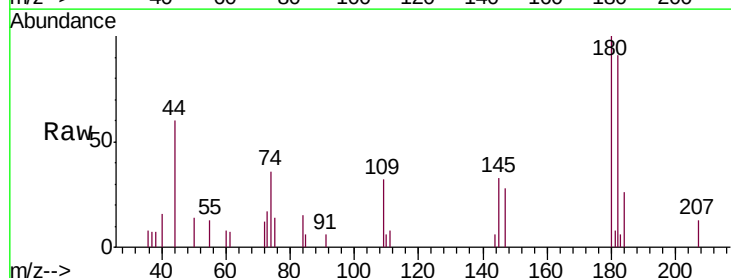


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

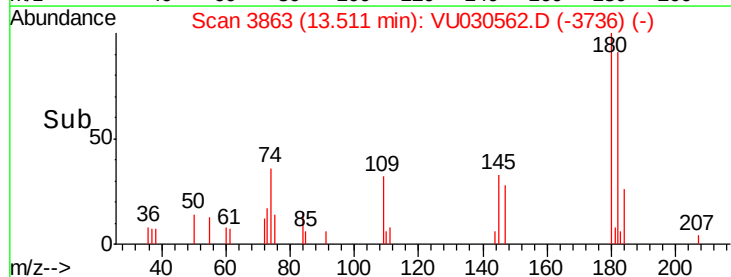
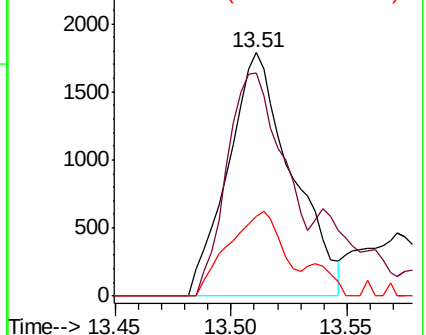


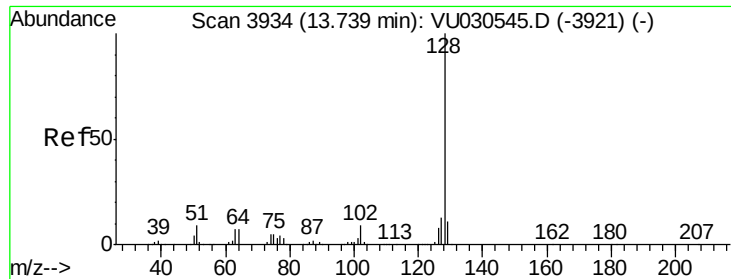
#68
 1,2,4-trichlorobenzene
 Concen: 1.025 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030562.D
 Acq: 29 Mar 2019 23:41

Tgt Ion:180 Resp: 3416
 Ion Ratio Lower Upper
 180 100
 182 83.3 76.1 114.1
 145 29.9 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





#69

Naphthalene

Concen: 2.102 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

Instrument :

MSVOA_U

ClientSampled :

BF1A8

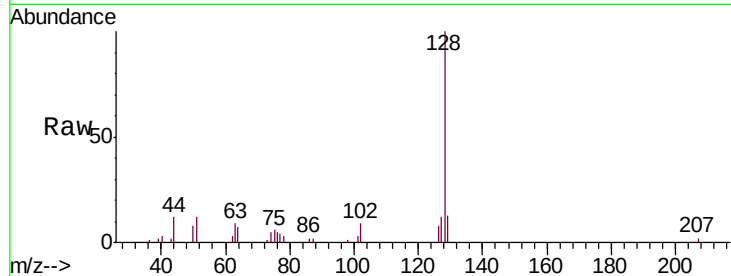
Tgt Ion:128 Resp: 24916

Ion Ratio Lower Upper

128 100

127 7.7 10.4 15.6#

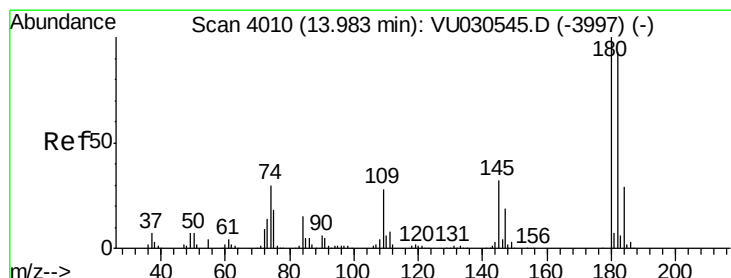
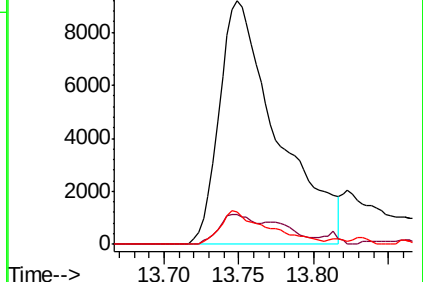
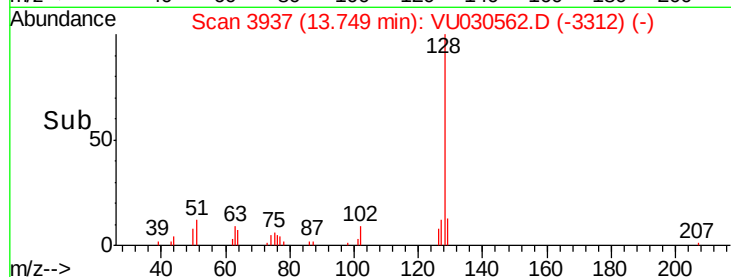
129 8.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.400 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030562.D

Acq: 29 Mar 2019 23:41

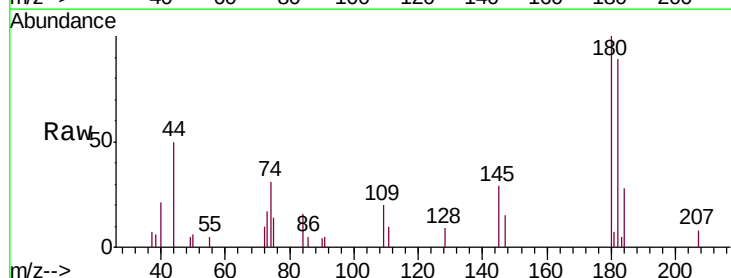
Tgt Ion:180 Resp: 4929

Ion Ratio Lower Upper

180 100

182 101.2 77.4 116.2

145 17.7 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

