

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007248.D
 Acq On : 05 Dec 2018 22:35
 Operator : SY/AP
 Sample : J6231-02
 Misc : 6.75G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0486

Quant Time: Dec 06 06:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

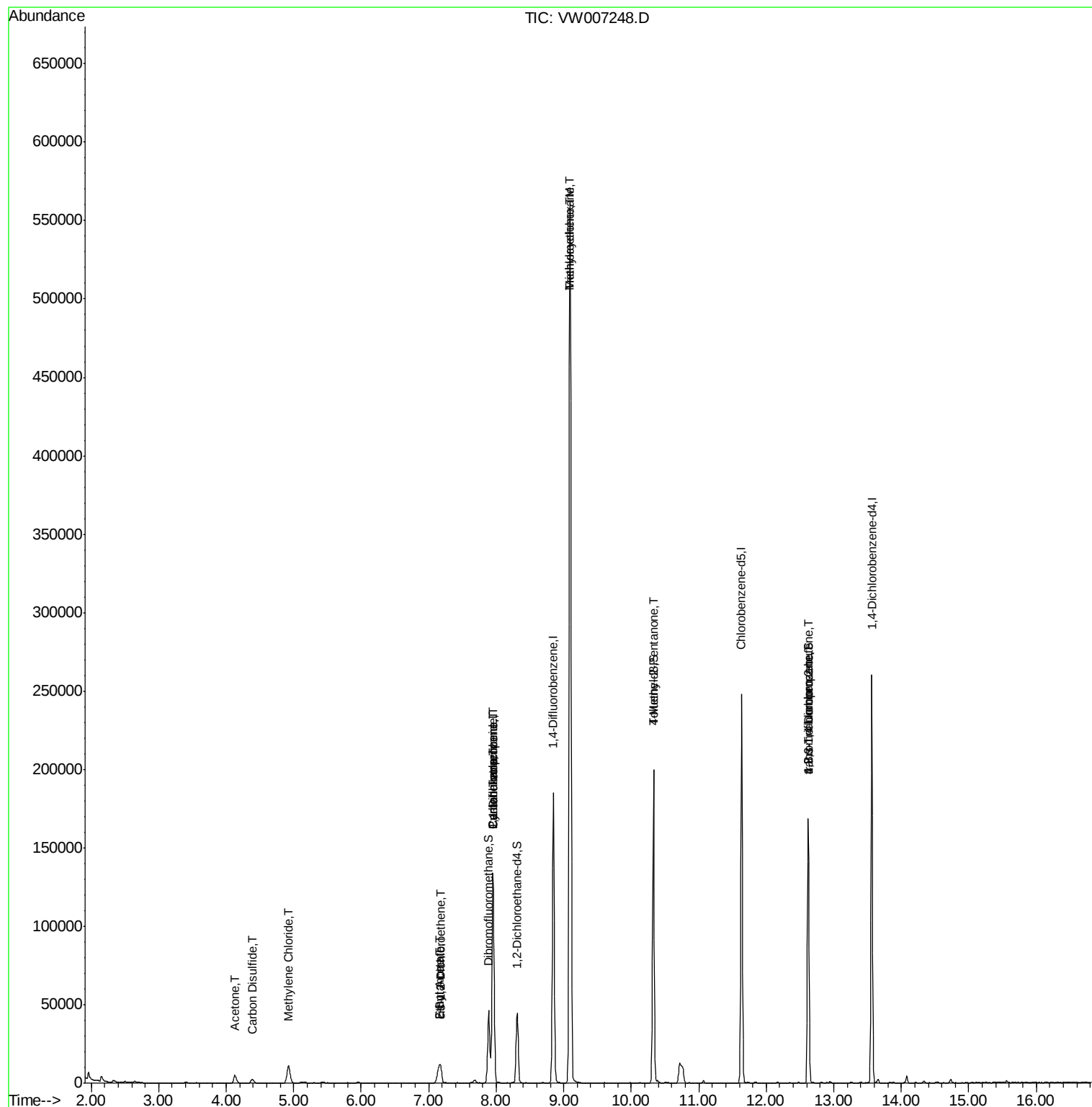
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	163097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	68475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36607	40.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.38%	
35) Dibromofluoromethane	7.89	113	33825	36.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.44%	
50) Toluene-d8	10.33	98	135471	32.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.86%	
62) 4-Bromofluorobenzene	12.62	95	52824	34.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	789	Below Cal	#	75
16) Acetone	4.14	43	8955	41.528	ug/l	91
17) Carbon Disulfide	4.38	76	4672	1.513	ug/l	97
20) Methylene Chloride	4.92	84	8845	3.271	ug/l	97
25) 2-Butanone	7.16	43	731	2.924	ug/l #	46
27) cis-1,2-Dichloroethene	7.18	96	5888	5.251	ug/l	91
31) Cyclohexane	7.95	56	2305	1.275	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	7231	4.557	ug/l #	51
37) Ethyl Acetate	7.16	43	731	1.273	ug/l #	1
38) Carbon Tetrachloride	7.95	117	10046	6.202	ug/l #	18
39) Methylcyclohexane	9.10	83	2453	1.155	ug/l #	1
44) Trichloroethene	9.09	130	202265	165.355	ug/l	96
51) 4-Methyl-2-Pentanone	10.33	43	562	1.023	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	26839	50.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26839	109.104	ug/l #	13

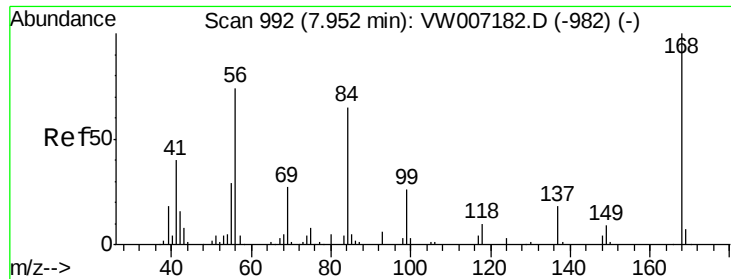
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

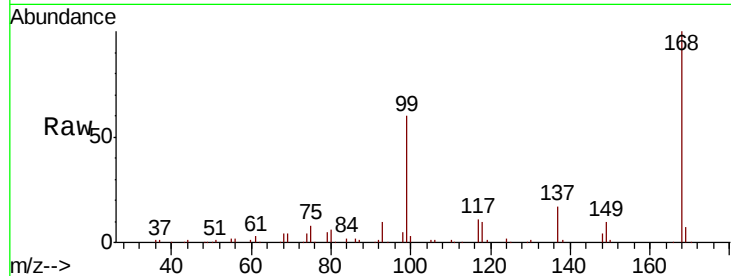
S49-0486

Tot Ion:168 Resp: 97835

Ion Ratio Lower Upper

168 100

99 60.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

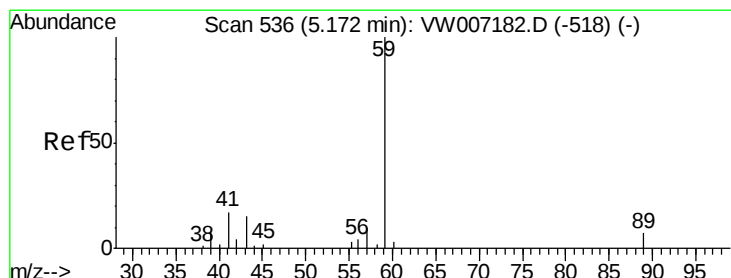
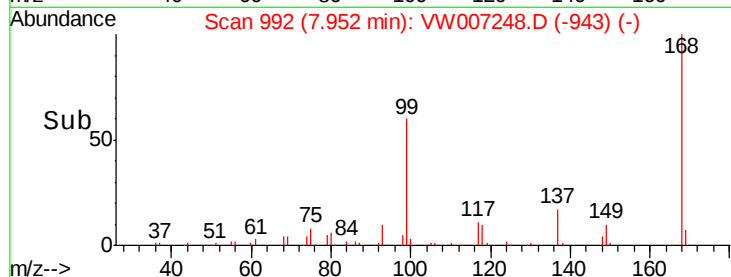
20000

10000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW007248.D

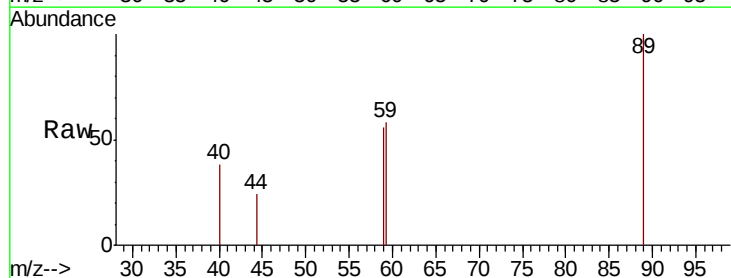
Acq: 05 Dec 2018 22:35

Tgt Ion: 59 Resp: 789

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

300

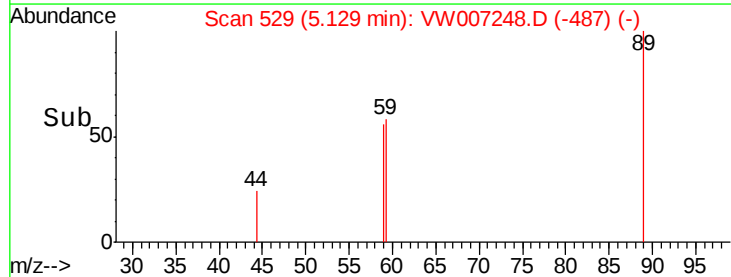
200

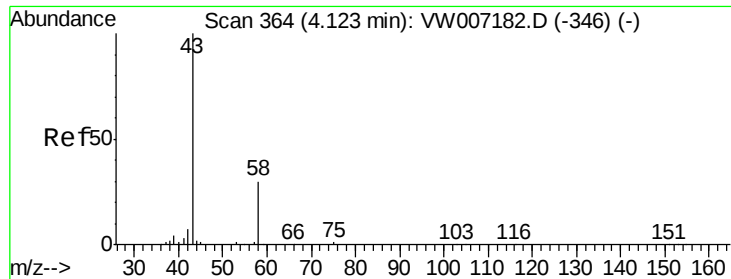
100

0

5.05 5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 41.528 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

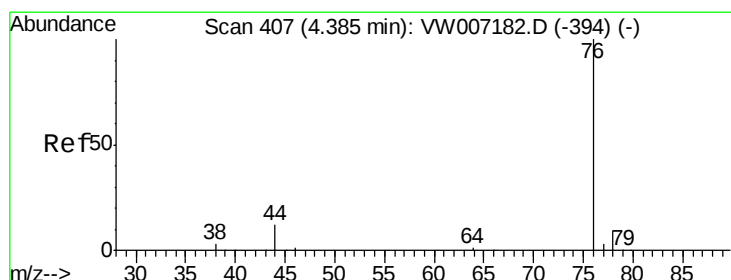
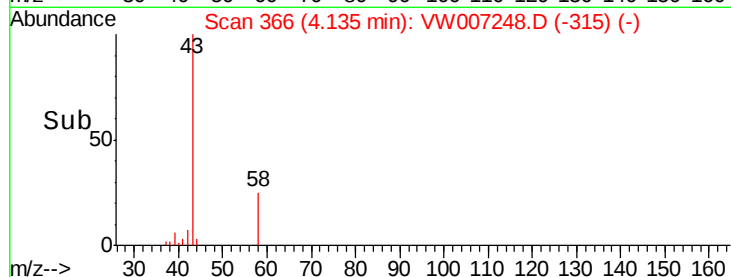
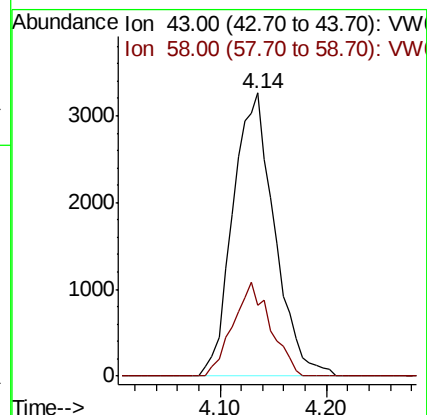
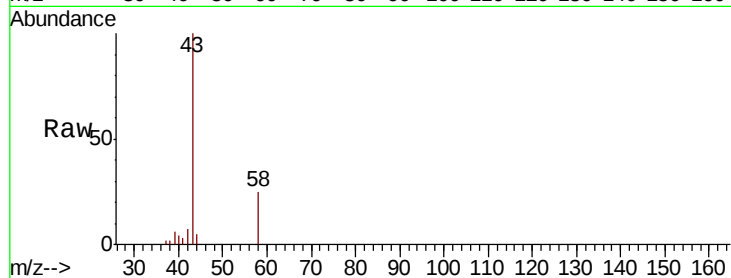
S49-0486

Tot Ion: 43 Resp: 8955

Ion Ratio Lower Upper

43 100

58 25.2 23.8 35.8



#17

Carbon Disulfide

Concen: 1.513 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007248.D

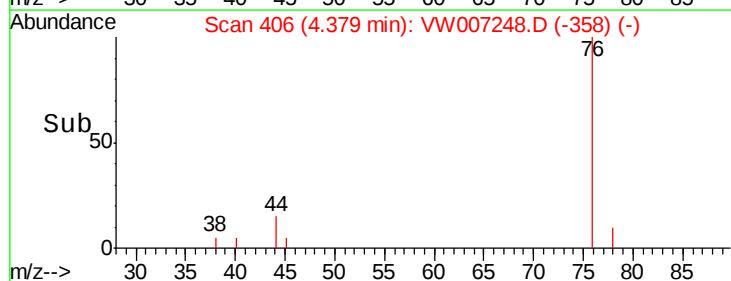
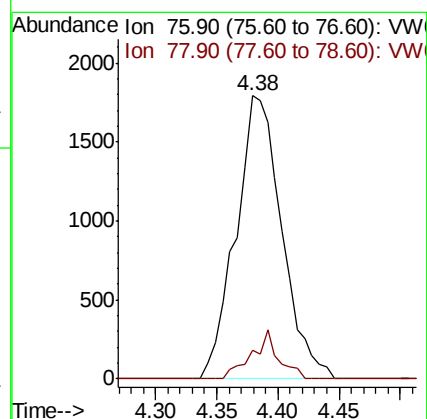
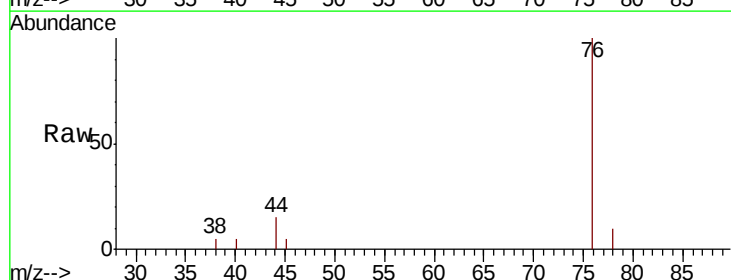
Acq: 05 Dec 2018 22:35

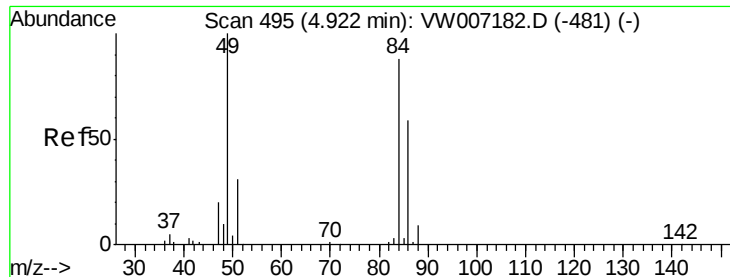
Tgt Ion: 76 Resp: 4672

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8

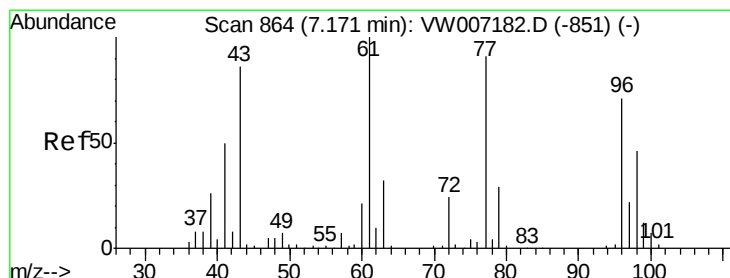
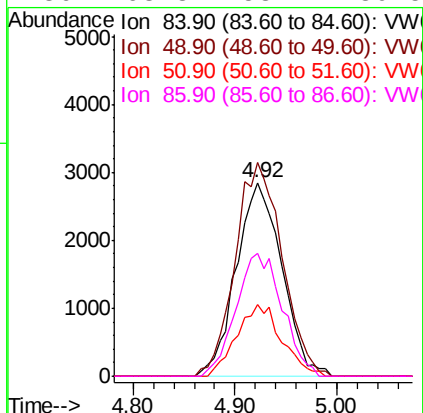
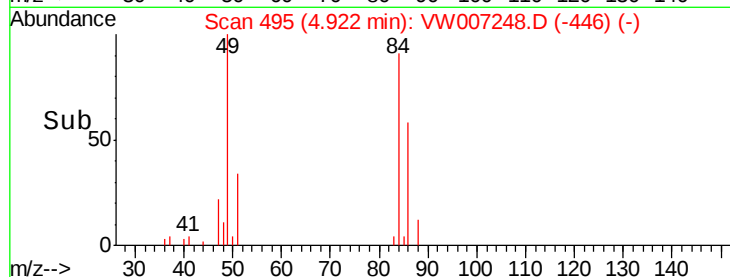
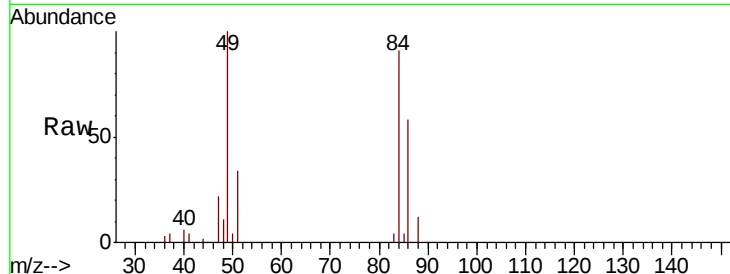




#20
Methvlene Chloride
Concen: 3.271 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007248.D
Acq: 05 Dec 2018 22:35

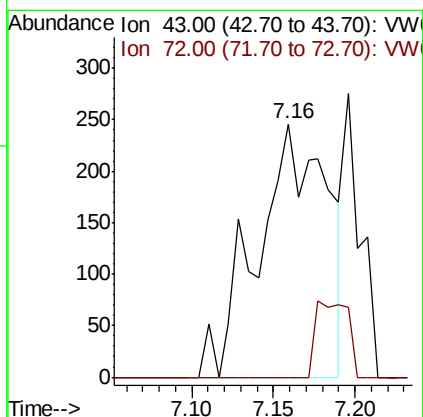
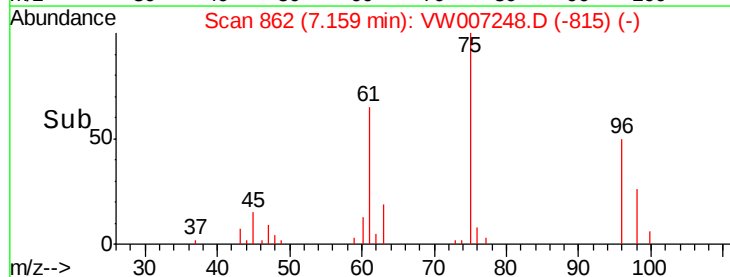
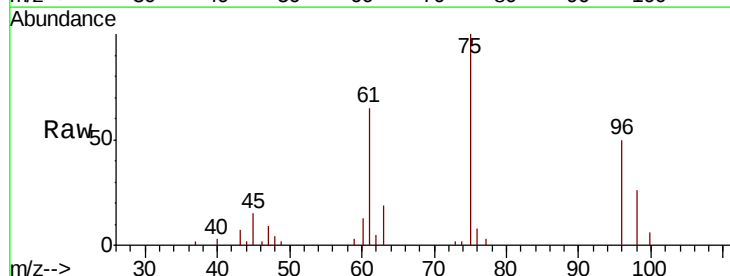
Instrument :
MSVOA_W
ClientSampleId :
S49-0486

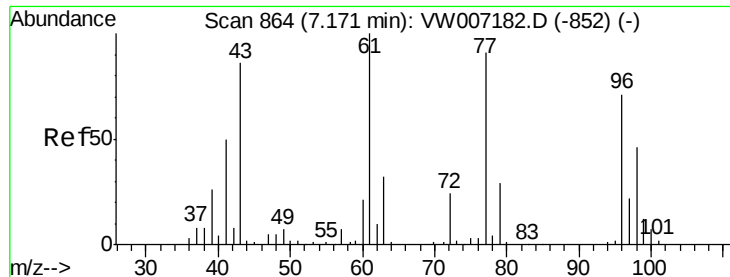
Tot Ion: 84 Resp: 8845
Ion Ratio Lower Upper
84 100
49 110.3 90.6 135.8
51 37.3 27.6 41.4
86 63.8 53.7 80.5



#25
2-Butanone
Concen: 2.924 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007248.D
Acq: 05 Dec 2018 22:35

Tgt Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#





#27

cis-1,2-Dichloroethene

Concen: 5.251 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

S49-0486

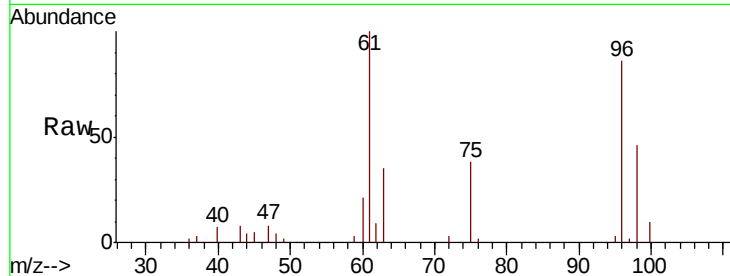
Tot Ion: 96 Resp: 5888

Ion Ratio Lower Upper

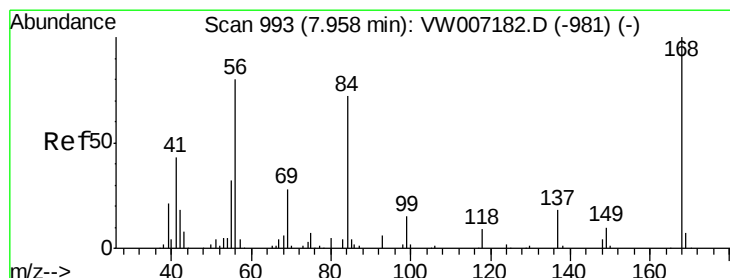
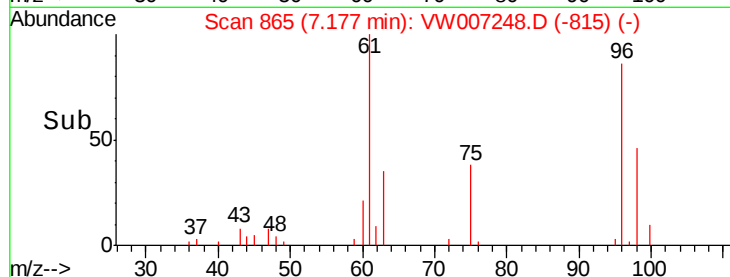
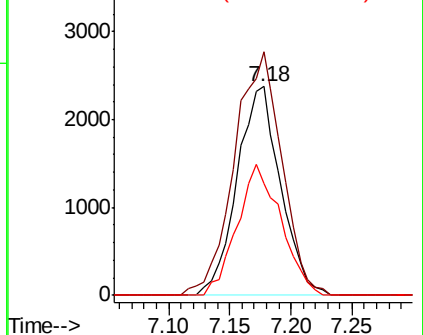
96 100

61 126.6 0.0 282.4

98 62.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

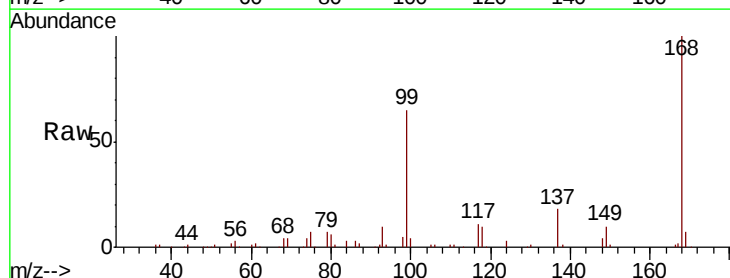
Tgt Ion: 56 Resp: 2305

Ion Ratio Lower Upper

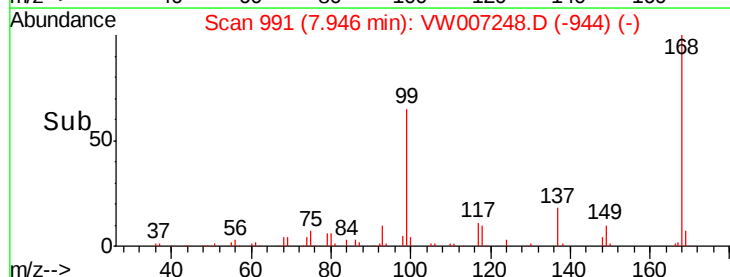
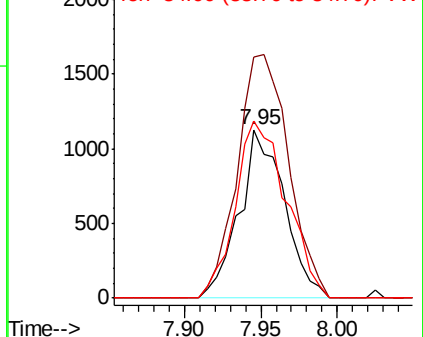
56 100

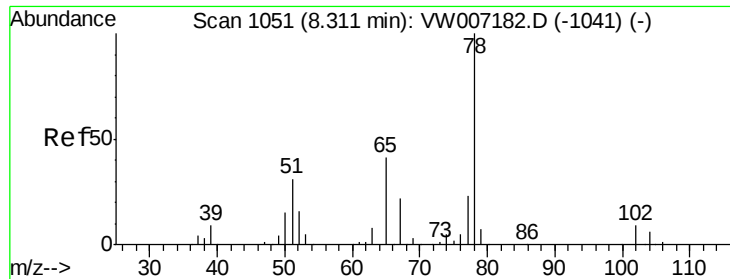
69 143.3 28.2 42.2#

84 105.2 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

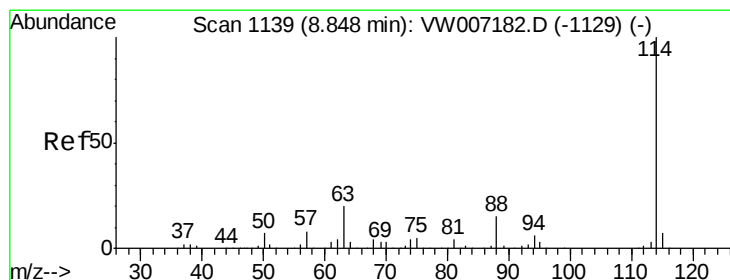
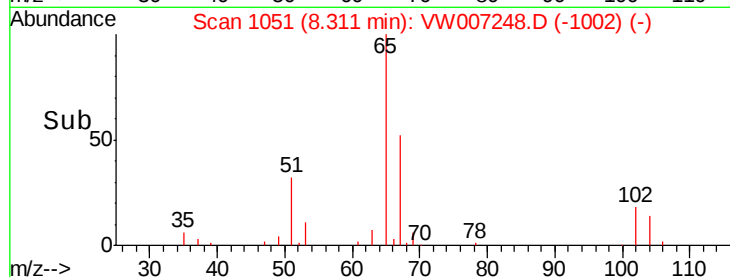
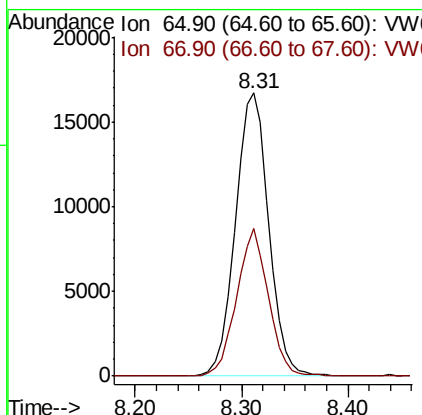
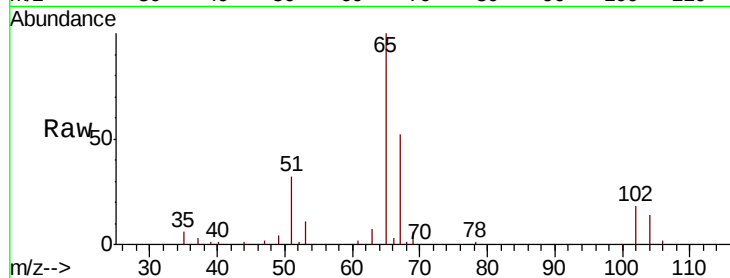




#33
 1,2-Dichloroethane-d4
 Concen: 40.188 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW007248.D
 Acq: 05 Dec 2018 22:35

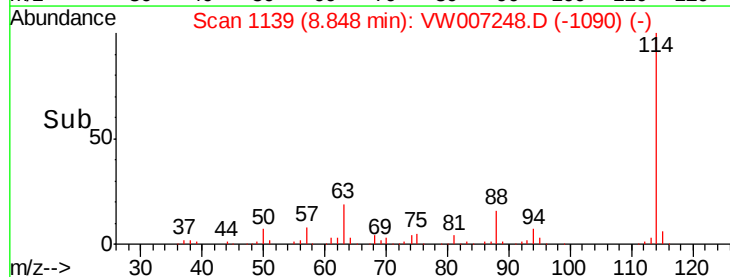
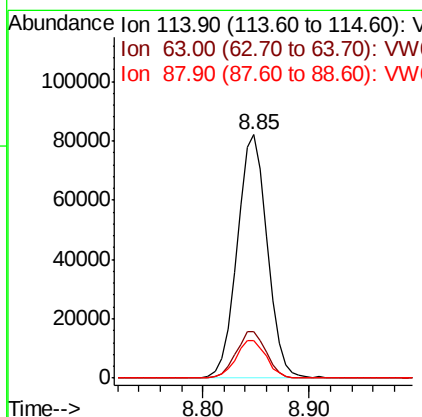
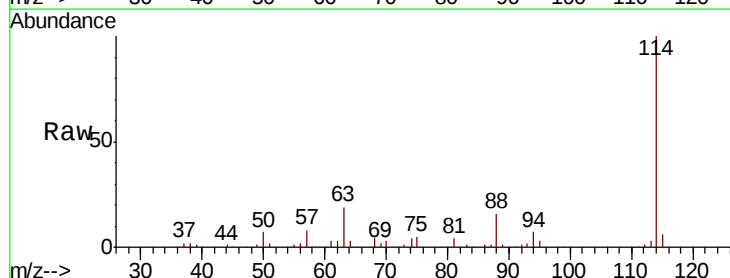
Instrument :
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 S49-0486

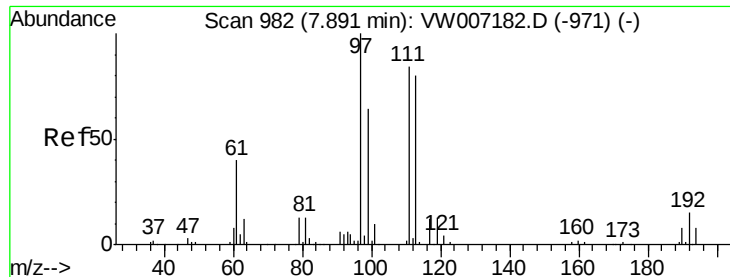
Tot Ion: 65 Resp: 36607
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007248.D
 Acq: 05 Dec 2018 22:35

Tgt Ion: 114 Resp: 163097
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.2
 88 15.6 0.0 30.0

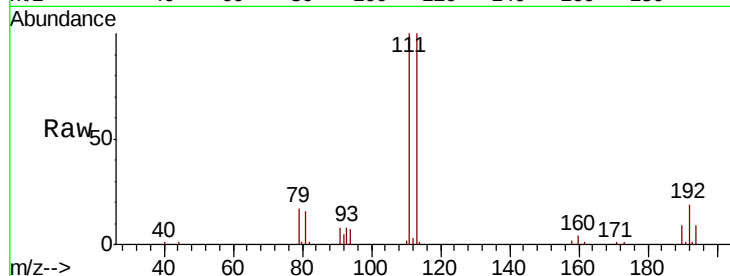




#35
 Dibromofluoromethane
 Concen: 36.219 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007248.D
 Acq: 05 Dec 2018 22:35

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0486

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	18.4	14.4	21.6

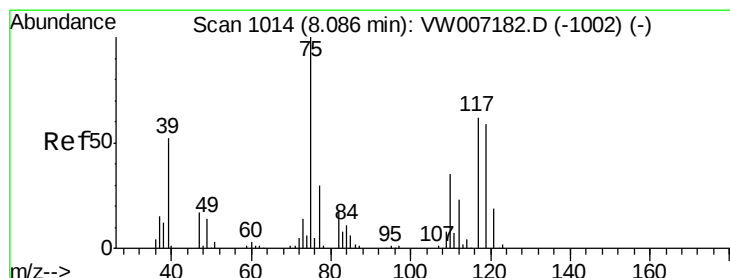
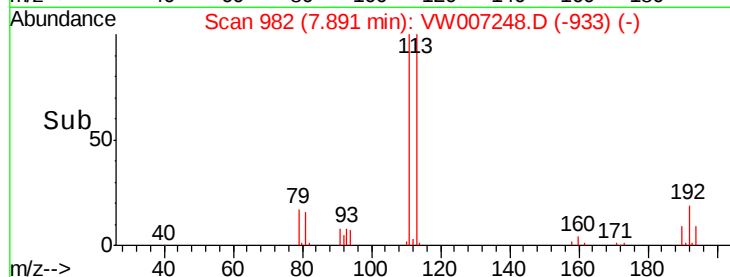
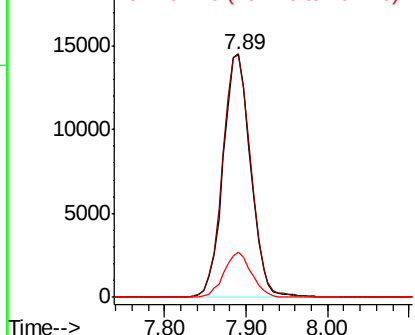


Abundance

Ion 112.80 (112.50 to 113.50): V

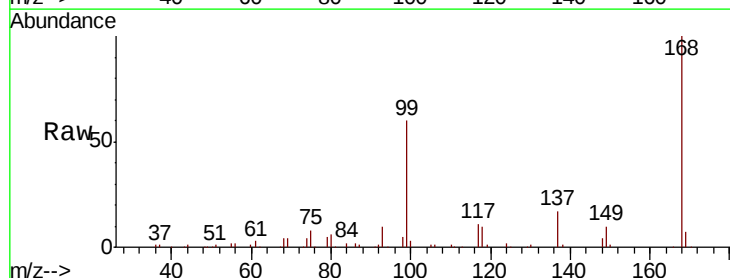
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007248.D
 Acq: 05 Dec 2018 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.3	54.9#
77	0.0	24.9	37.3#

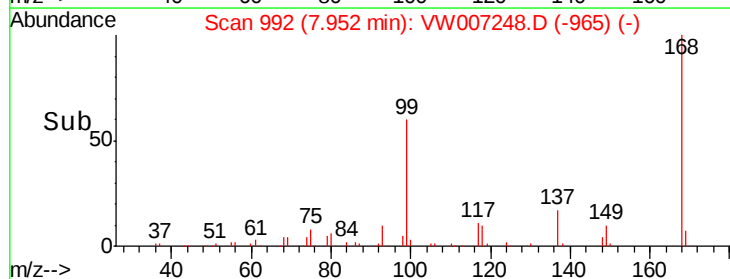
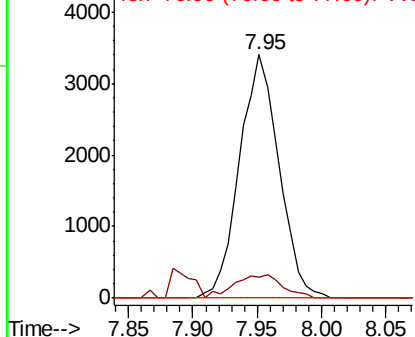


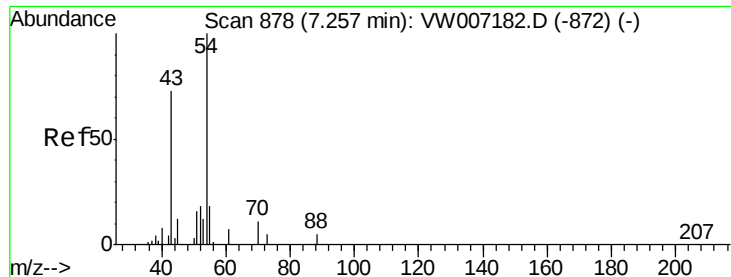
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.273 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.10 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

S49-0486

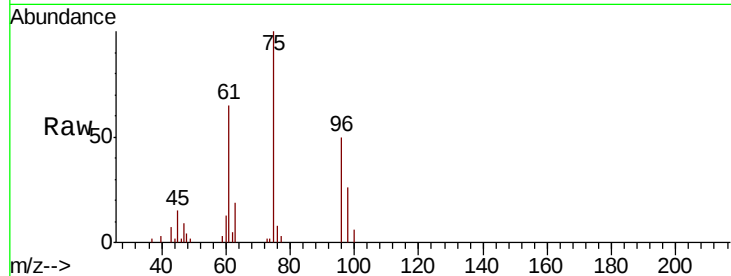
Tot Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

61 1020.1 12.1 18.1#

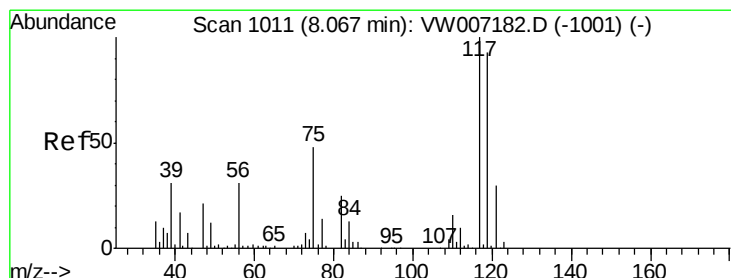
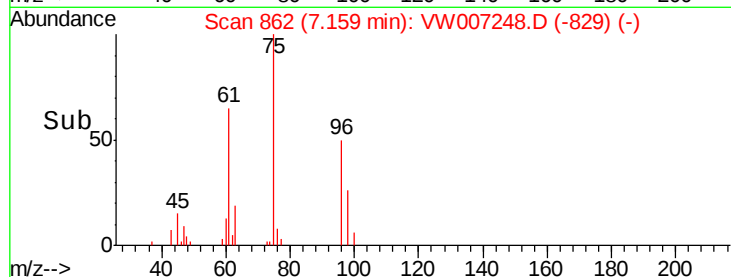
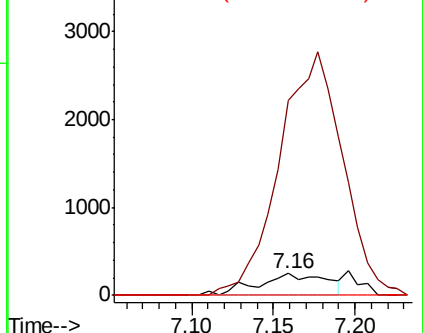
70 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.202 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

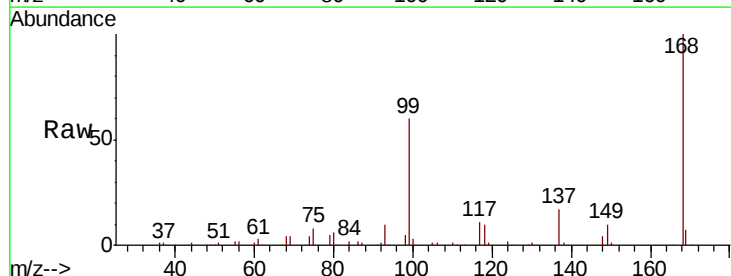
Tgt Ion: 117 Resp: 10046

Ion Ratio Lower Upper

117 100

119 5.4 74.1 111.1#

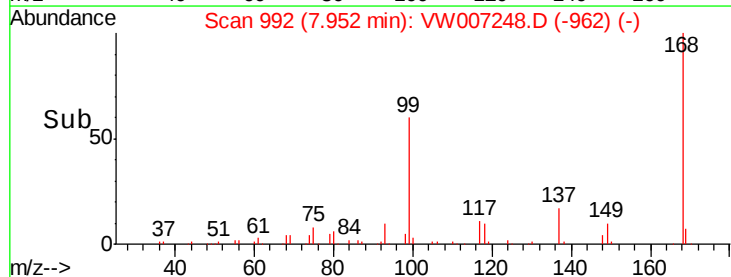
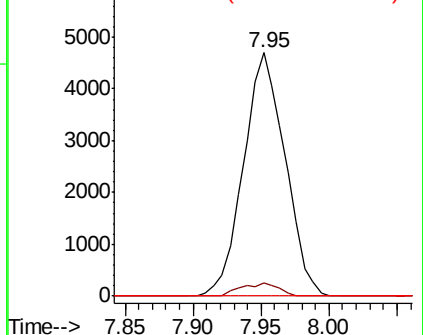
121 0.0 23.9 35.9#

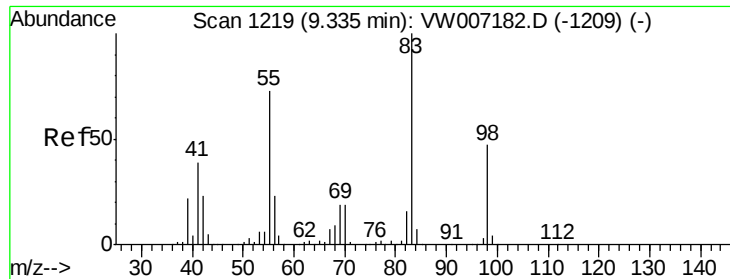


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 1.155 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.24 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

S49-0486

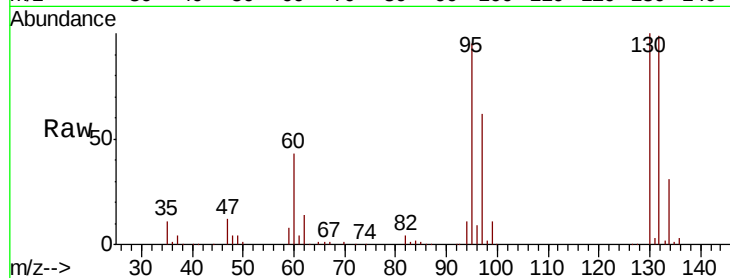
Tot Ion: 83 Resp: 2453

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

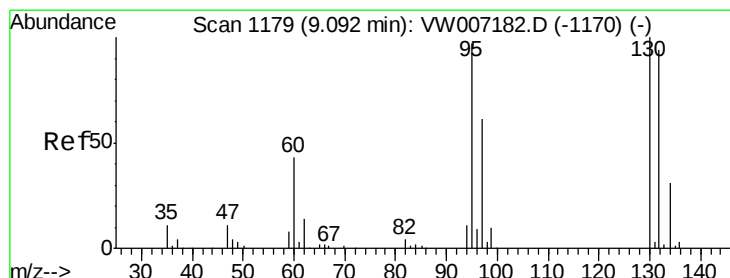
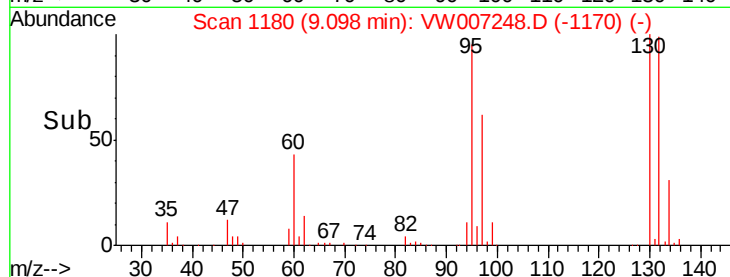
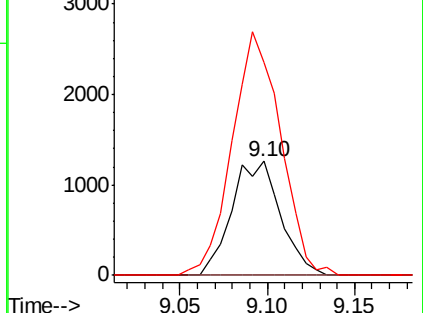
98 186.5 37.3 55.9#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#44

Trichloroethene

Concen: 165.355 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007248.D

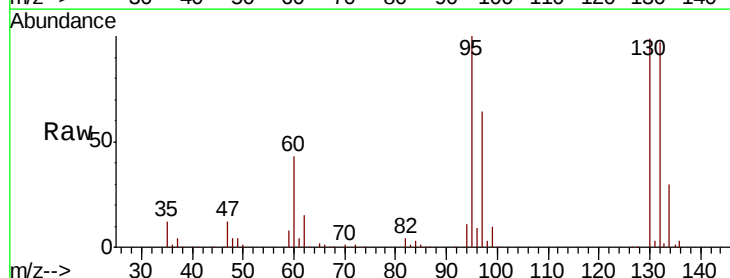
Acq: 05 Dec 2018 22:35

Tgt Ion:130 Resp: 202265

Ion Ratio Lower Upper

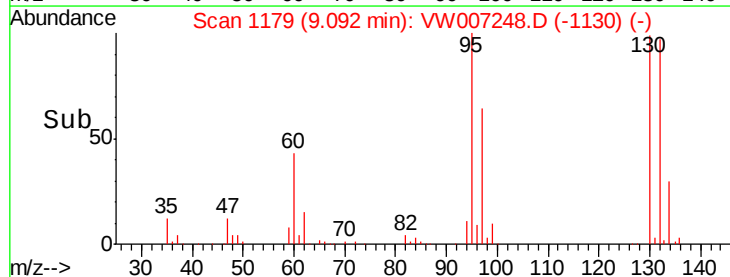
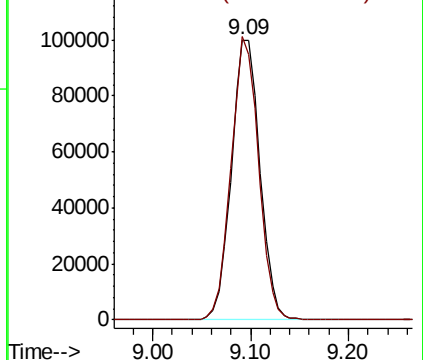
130 100

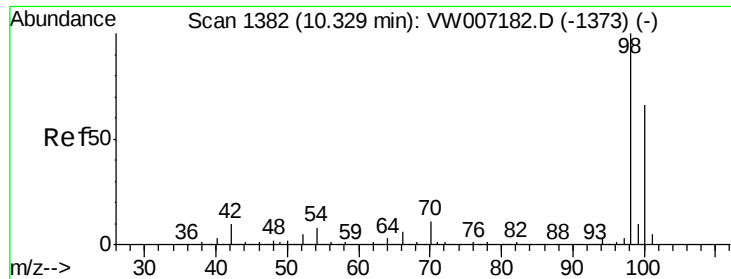
95 101.2 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#50

Toluene-d8

Concen: 32.931 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

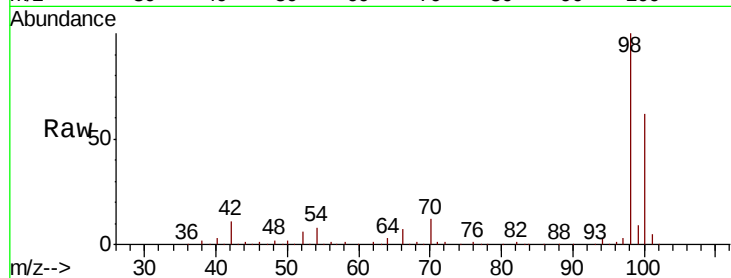
S49-0486

Tot Ion: 98 Resp: 135471

Ion Ratio Lower Upper

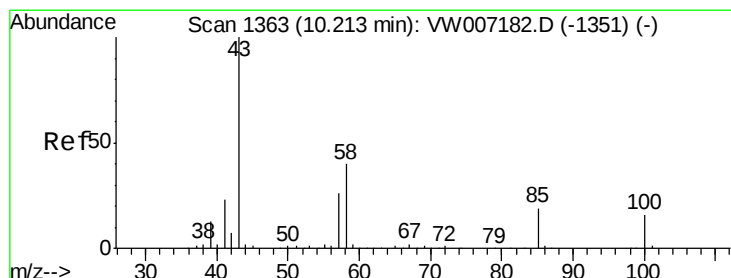
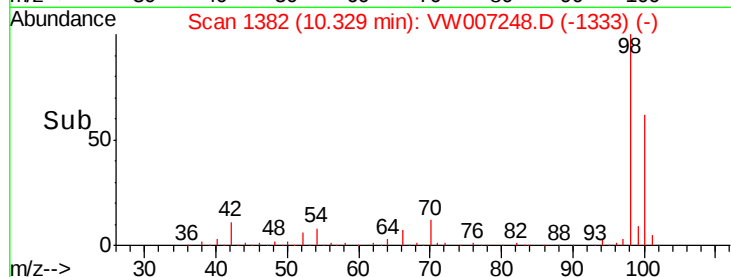
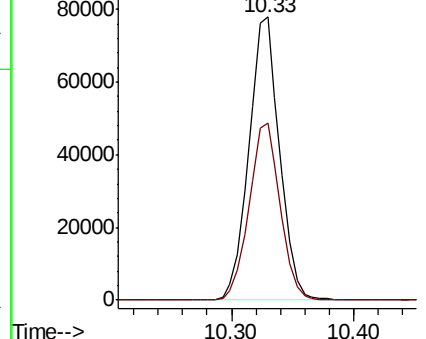
98 100

100 63.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.023 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW007248.D

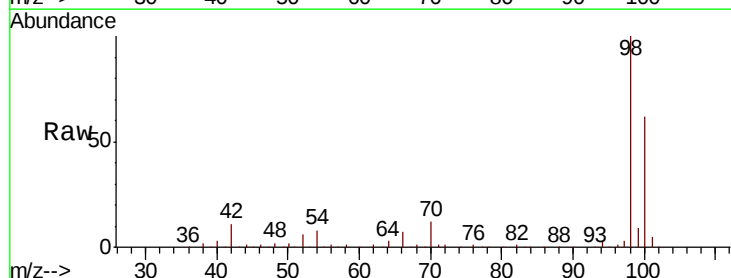
Acq: 05 Dec 2018 22:35

Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

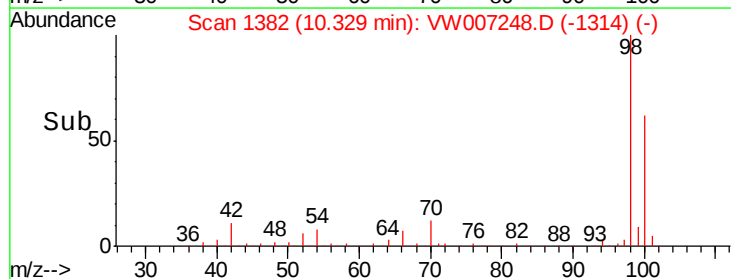
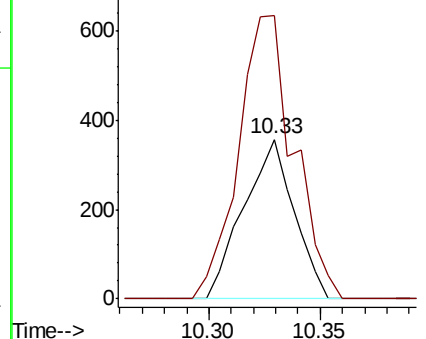
43 100

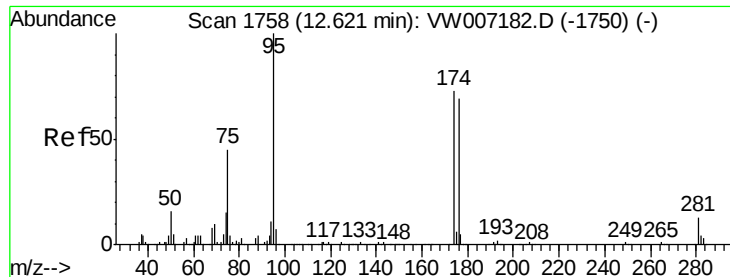
58 195.7 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

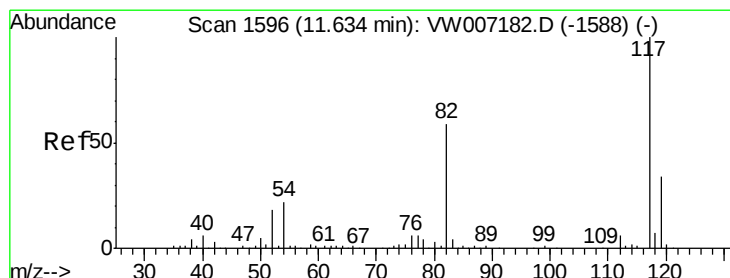
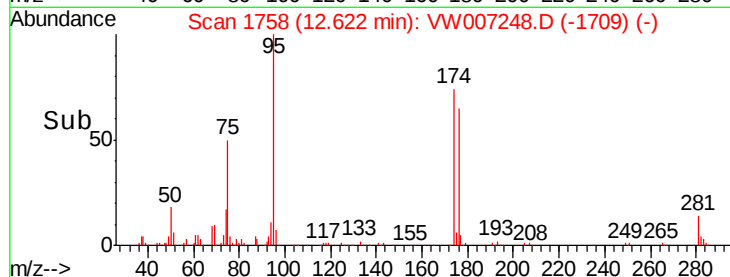
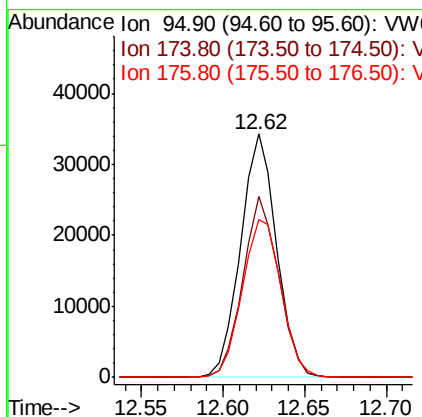
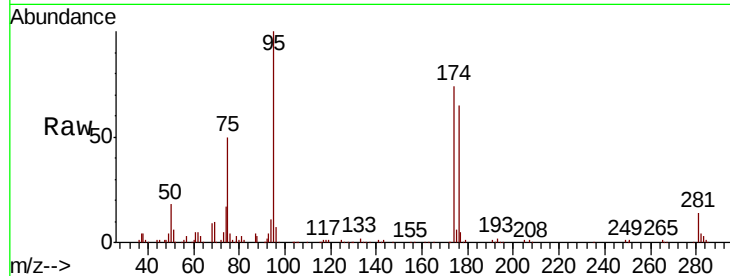




#62
4-Bromofluorobenzene
Concen: 34.020 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007248.D
Acq: 05 Dec 2018 22:35

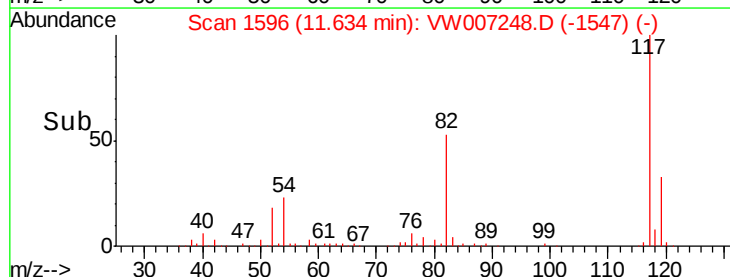
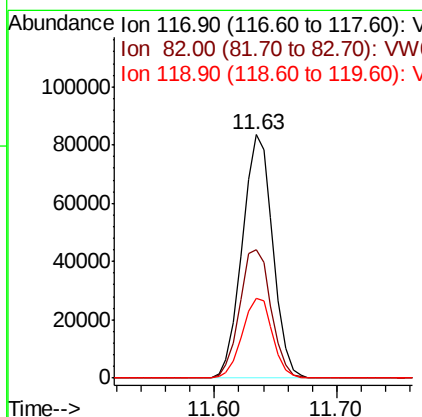
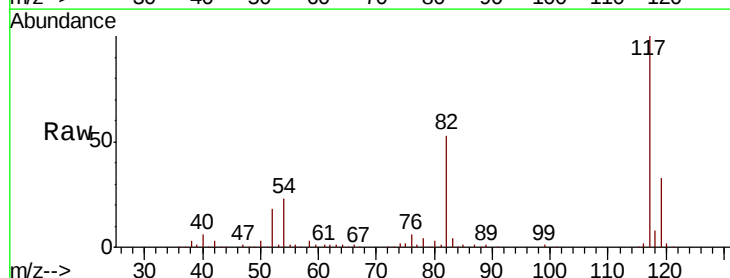
Instrument :
MSVOA_W
ClientSampleId :
S49-0486

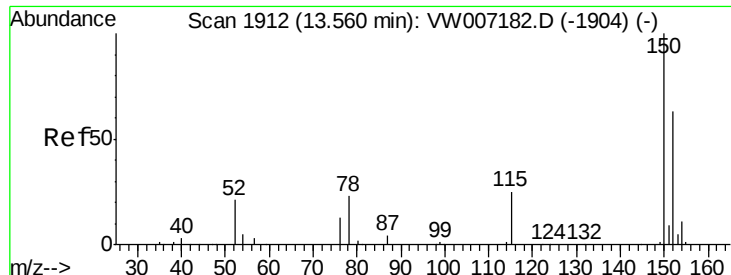
Tot Ion: 95 Resp: 52824
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.2 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007248.D
Acq: 05 Dec 2018 22:35

Tgt Ion: 117 Resp: 144874
Ion Ratio Lower Upper
117 100
82 52.6 47.4 71.2
119 33.0 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

S49-0486

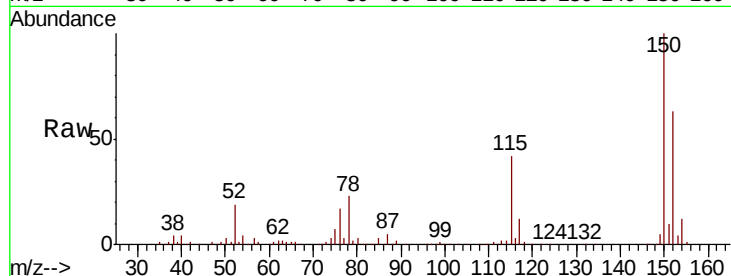
Tot Ion:152 Resp: 68475

Ion Ratio Lower Upper

152 100

115 63.7 31.3 93.8

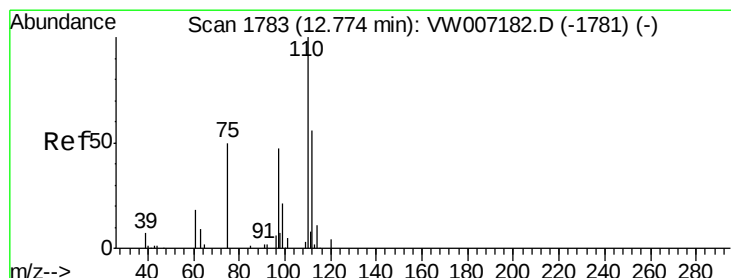
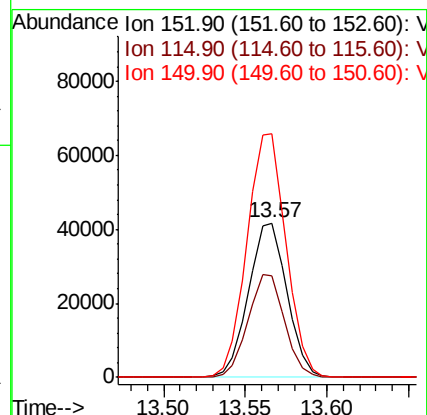
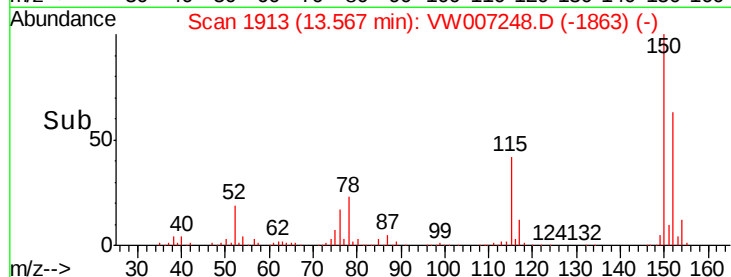
150 160.4 0.0 358.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 50.620 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007248.D

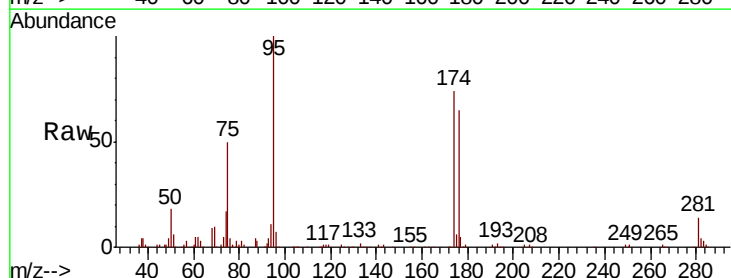
Acq: 05 Dec 2018 22:35

Tgt Ion: 75 Resp: 26839

Ion Ratio Lower Upper

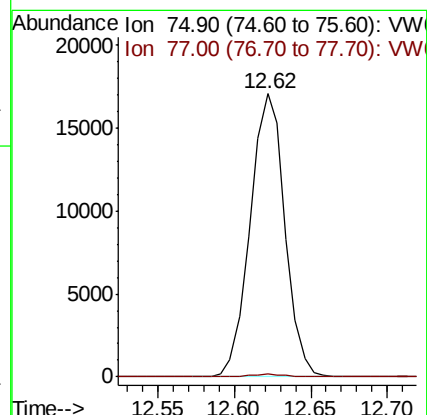
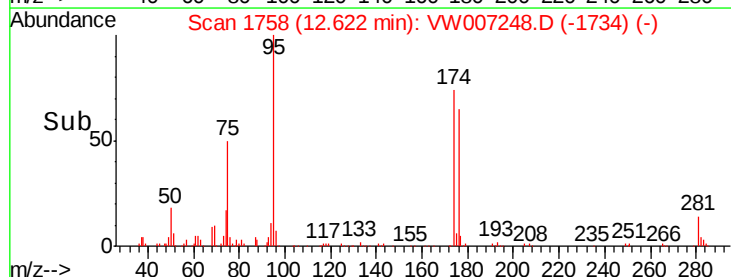
75 100

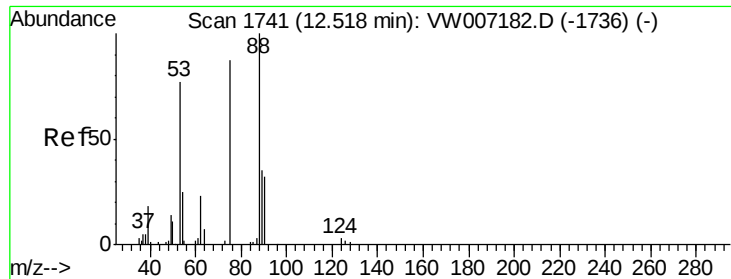
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 109.104 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007248.D

Acq: 05 Dec 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

S49-0486

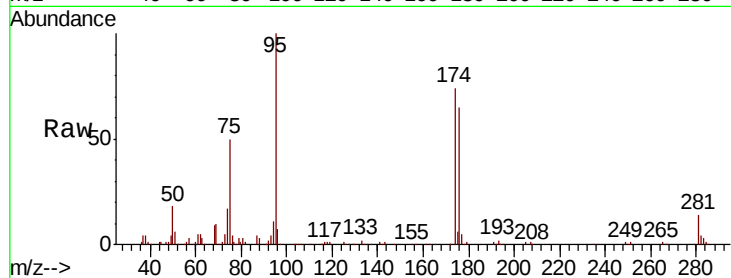
Tot Ion: 75 Resp: 26839

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

