

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028790.D
 Acq On : 19 Dec 2018 13:44
 Operator : MD/SY
 Sample : J6474-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0493

Quant Time: Dec 20 03:19:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

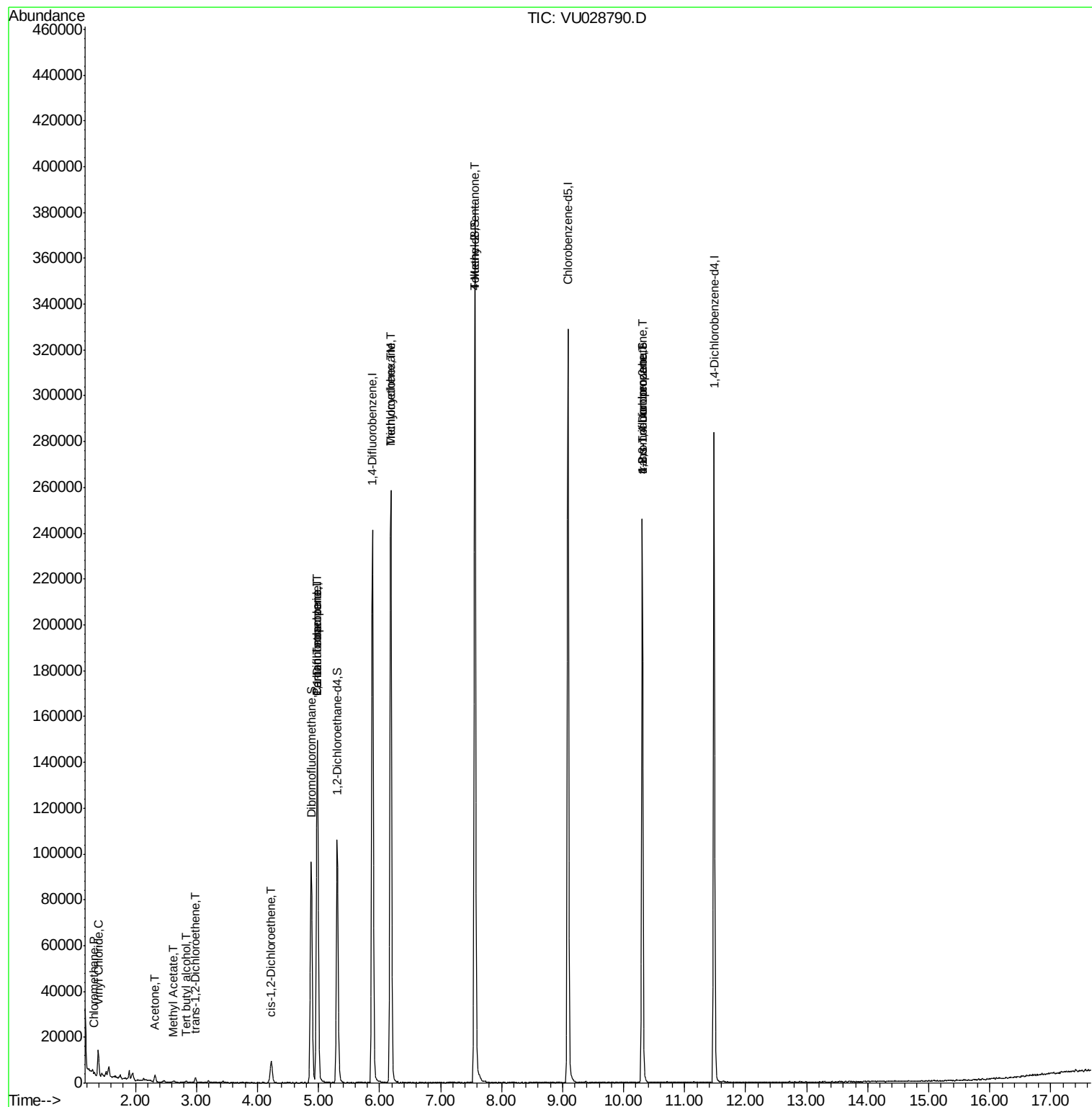
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	122871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	211856	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	81366	43.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.78%	
35) Dibromofluoromethane	4.88	113	69246	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
50) Toluene-d8	7.56	98	266016	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	10.30	95	84996	43.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.24%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1143	0.377	ug/l #	88
4) Vinyl Chloride	1.40	62	642	0.294	ug/l	95
11) Tert butyl alcohol	2.84	59	455	1.089	ug/l #	73
16) Acetone	2.32	43	3786	3.094	ug/l	96
18) Methyl Acetate	2.62	43	971	0.306	ug/l #	56
21) trans-1,2-Dichloroethene	2.98	96	941	0.611	ug/l	85
27) cis-1,2-Dichloroethene	4.23	96	5583	3.202	ug/l	78
31) Cyclohexane	4.98	56	2250	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9409	4.059	ug/l #	48
38) Carbon Tetrachloride	4.98	117	10950	5.860	ug/l #	15
39) Methylcyclohexane	6.18	83	942	0.333	ug/l #	1
44) Trichloroethene	6.18	130	92451	60.896	ug/l	89
51) 4-Methyl-2-Pentanone	7.56	43	1030	0.345	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	40870	20.888	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	40870	51.342	ug/l #	100

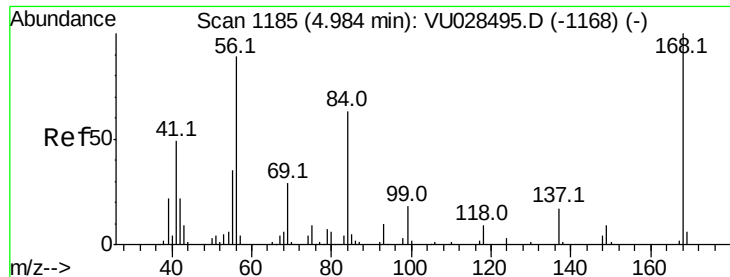
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

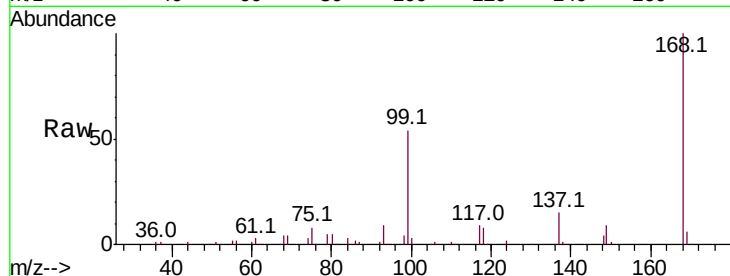
S49-0493

Tot Ion:168 Resp: 122871

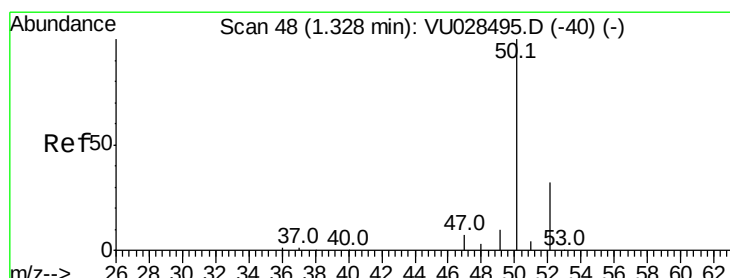
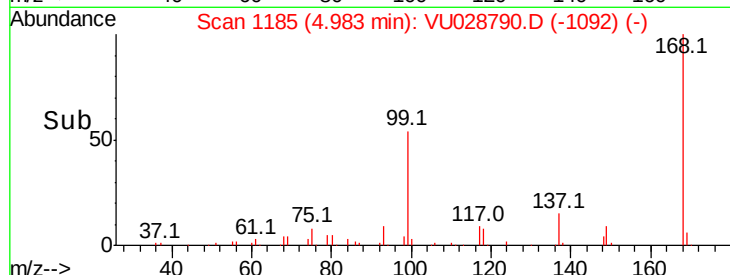
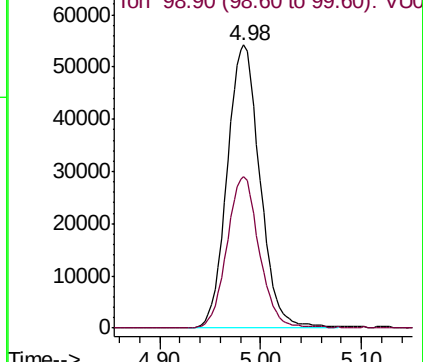
Ion Ratio Lower Upper

168 100

99 53.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028790.D

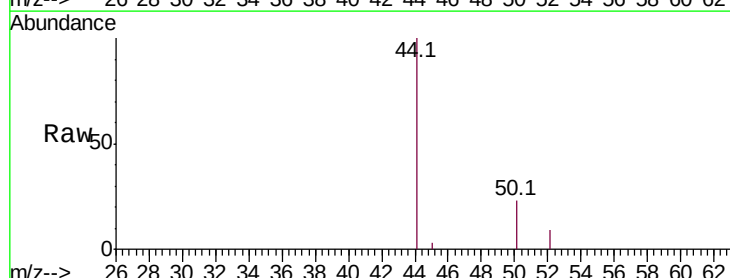
Acq: 19 Dec 2018 13:44

Tgt Ion: 50 Resp: 1143

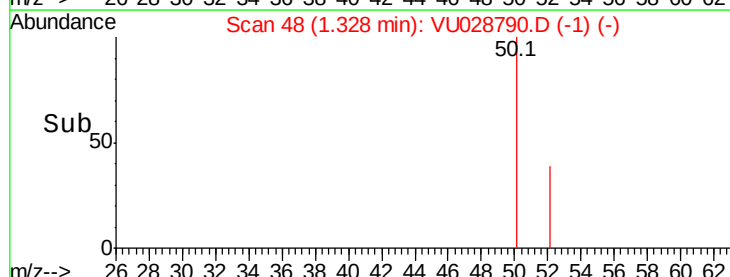
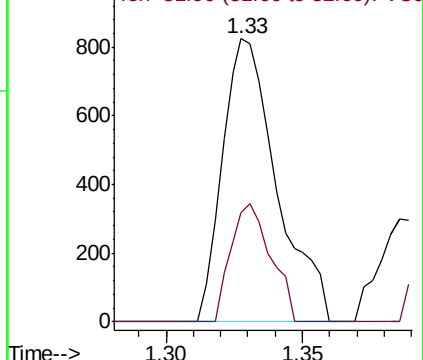
Ion Ratio Lower Upper

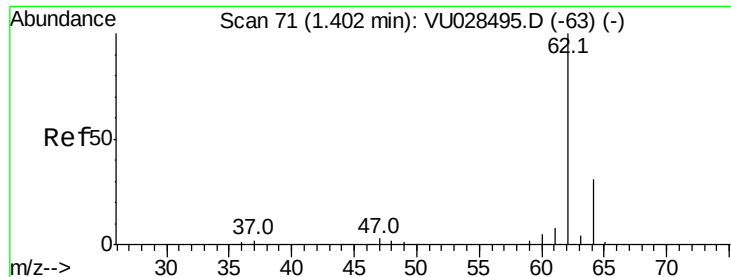
50 100

52 38.7 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)





#4

Vinyl Chloride

Concen: 0.294 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

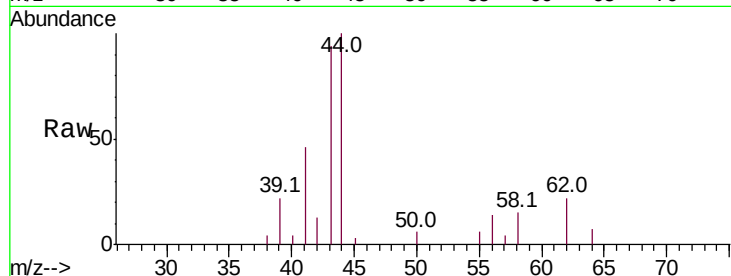
S49-0493

Tot Ion: 62 Resp: 642

Ion Ratio Lower Upper

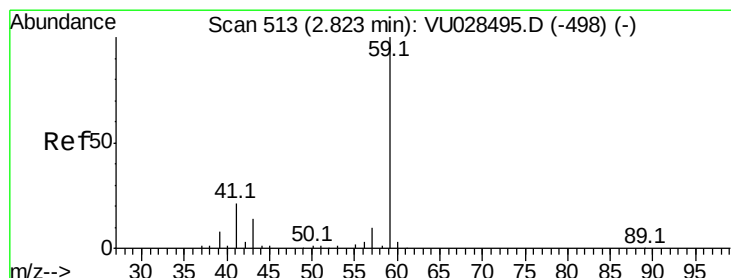
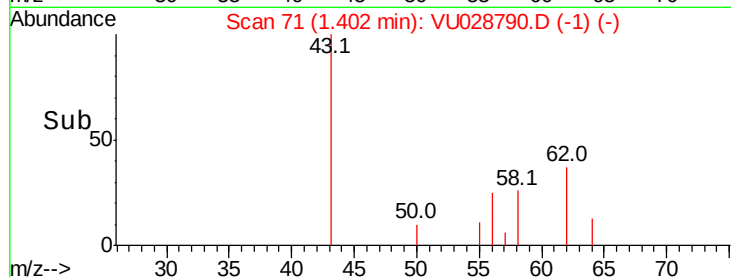
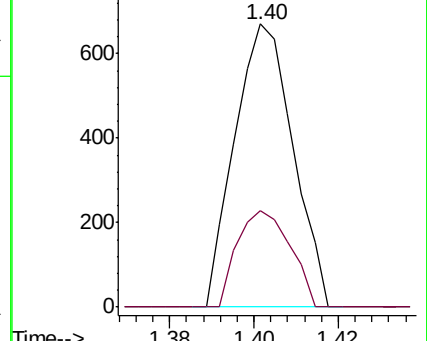
62 100

64 34.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#11

Tert butyl alcohol

Concen: 1.089 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028790.D

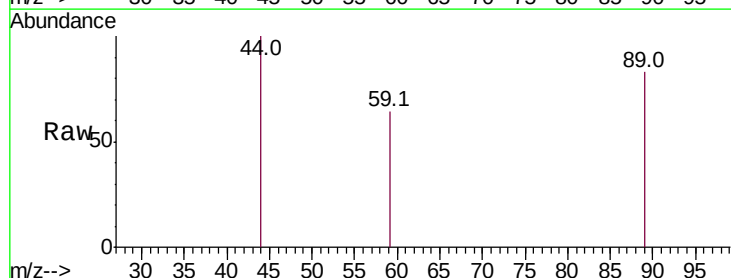
Acq: 19 Dec 2018 13:44

Tgt Ion: 59 Resp: 455

Ion Ratio Lower Upper

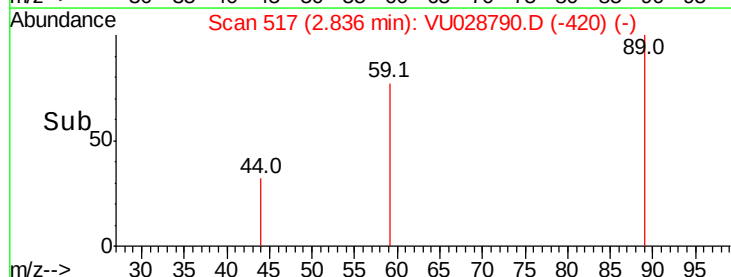
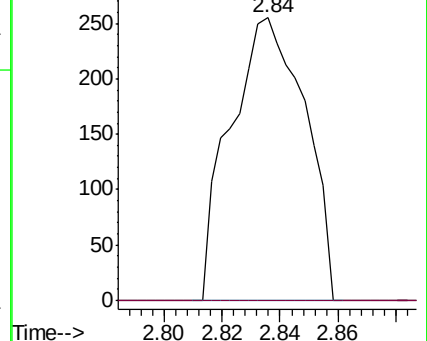
59 100

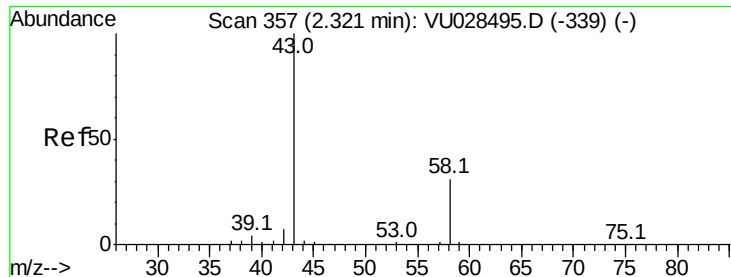
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 3.094 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

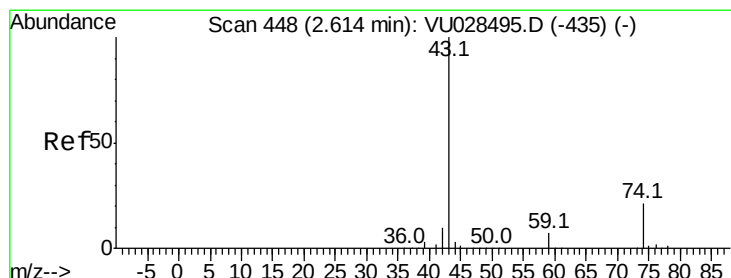
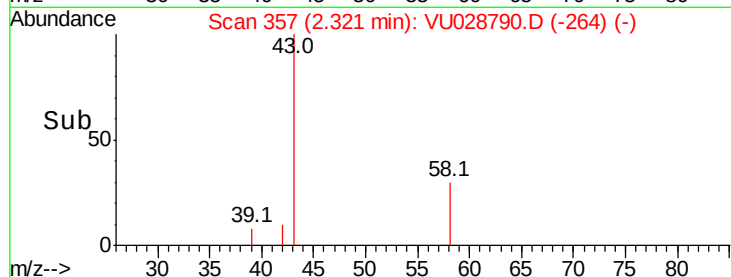
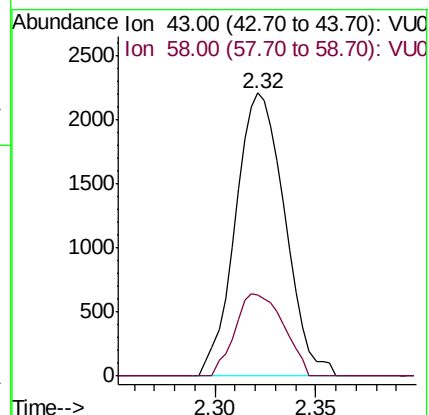
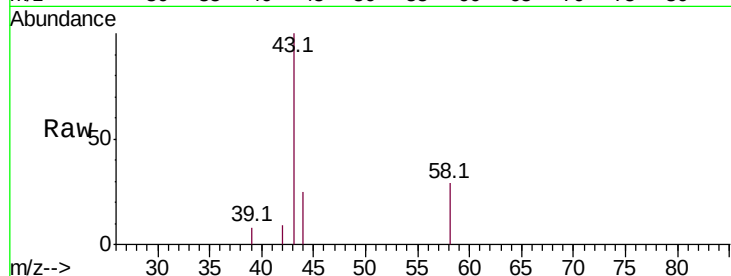
S49-0493

Tot Ion: 43 Resp: 3786

Ion Ratio Lower Upper

43 100

58 28.6 24.6 37.0



#18

Methyl Acetate

Concen: 0.306 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028790.D

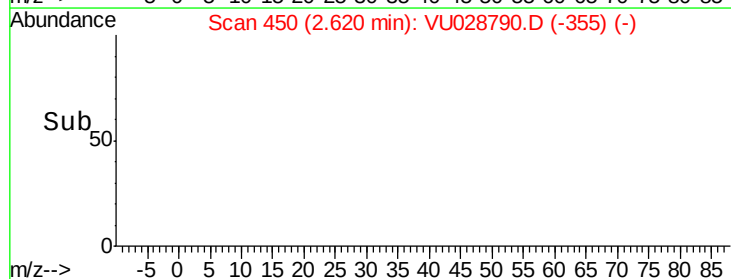
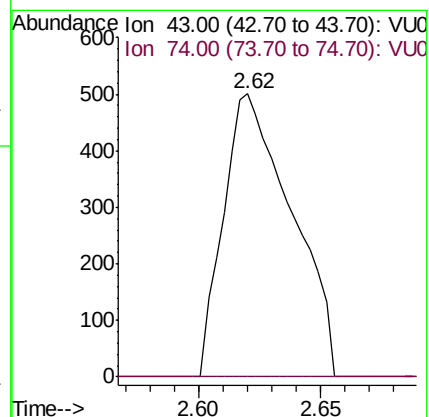
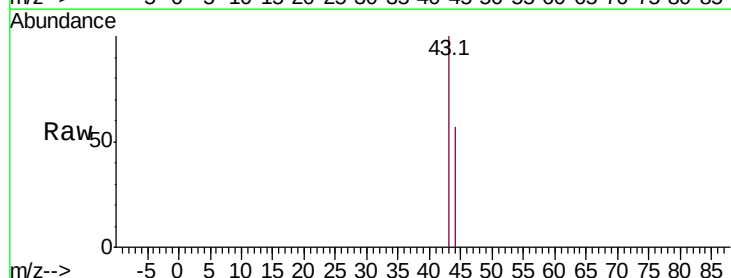
Acq: 19 Dec 2018 13:44

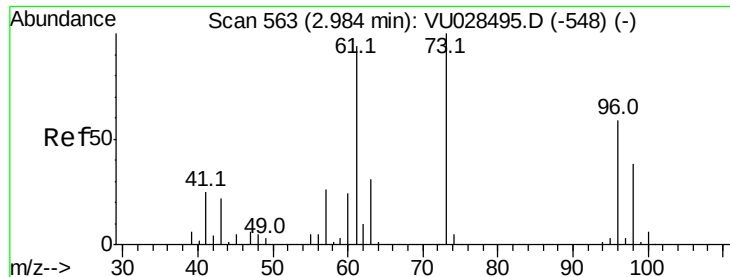
Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#





#21

trans-1,2-Dichloroethene

Concen: 0.611 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

S49-0493

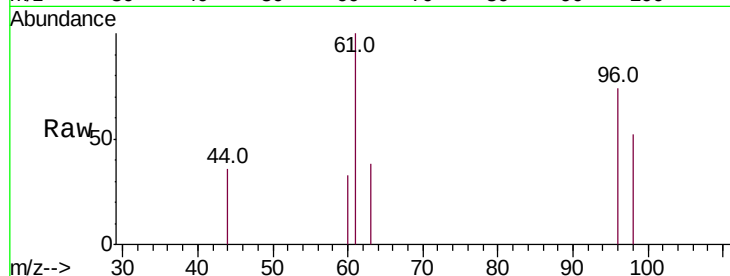
Tot Ion: 96 Resp: 941

Ion Ratio Lower Upper

96 100

61 134.9 127.0 190.4

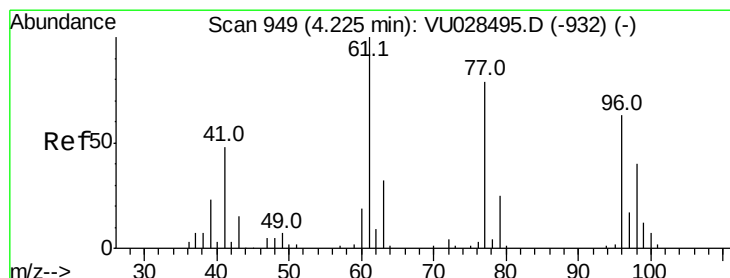
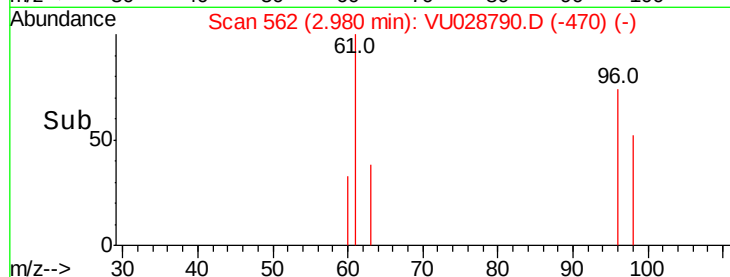
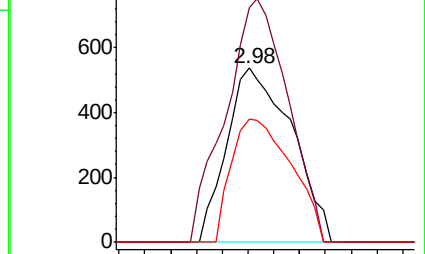
98 70.7 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028790.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028790.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028790.D (-470) (-)



#27

cis-1,2-Dichloroethene

Concen: 3.202 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

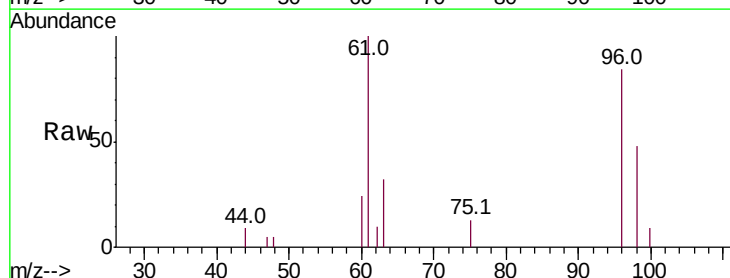
Tgt Ion: 96 Resp: 5583

Ion Ratio Lower Upper

96 100

61 126.3 0.0 332.4

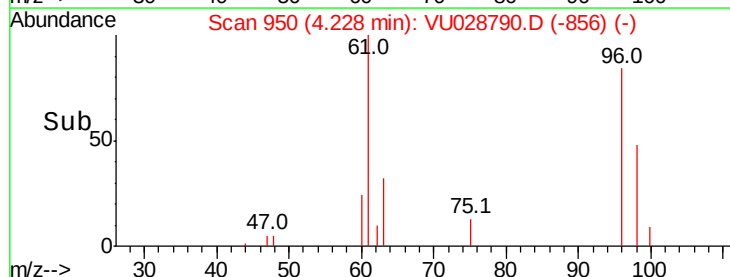
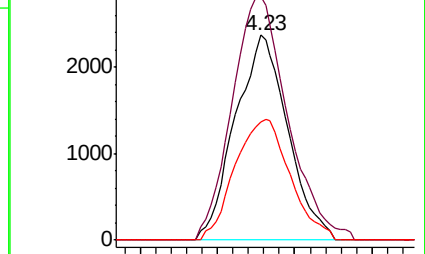
98 62.0 0.0 129.0

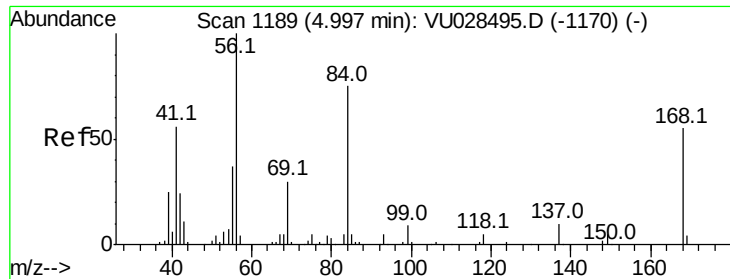


Abundance Ion 95.90 (95.60 to 96.60): VU028790.D (-856) (-)

Ion 60.90 (60.60 to 61.60): VU028790.D (-856) (-)

Ion 97.90 (97.60 to 98.60): VU028790.D (-856) (-)

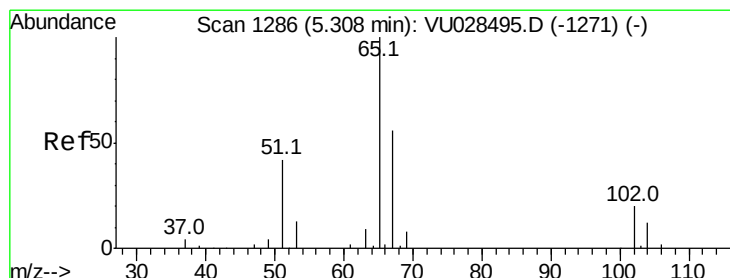
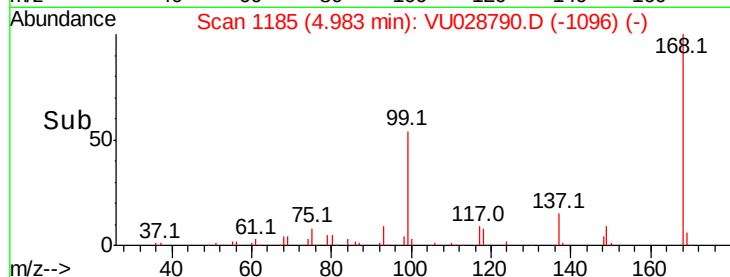
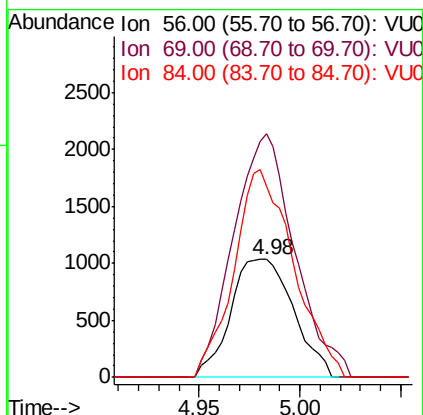
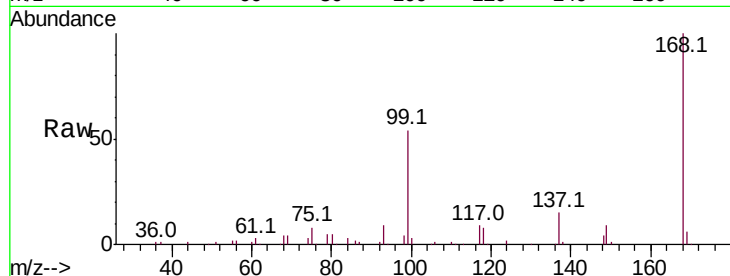




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

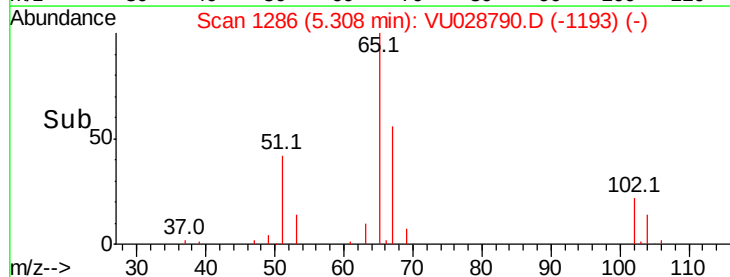
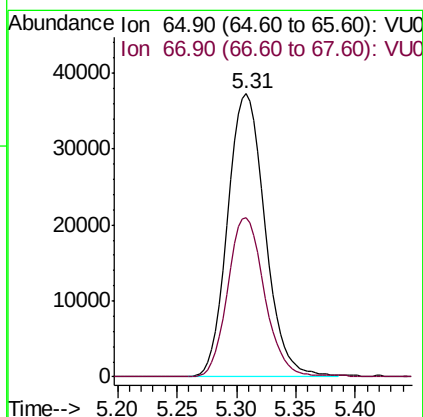
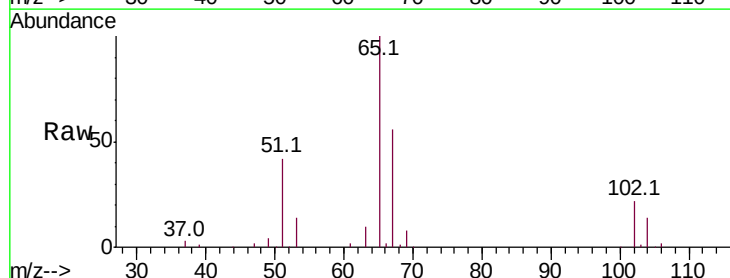
Instrument :
MSVOA_U
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S49-0493

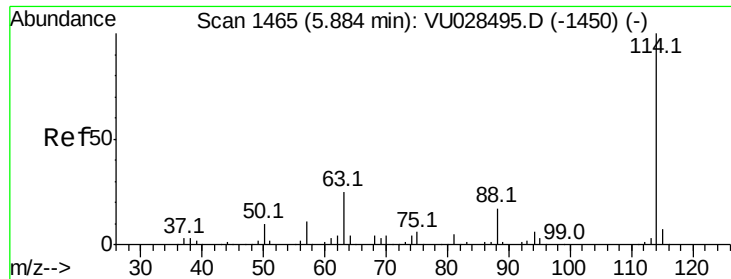
Tot Ion: 56 Resp: 2250
Ion Ratio Lower Upper
56 100
69 206.3 24.0 36.0#
84 161.8 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 43.393 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

Tgt Ion: 65 Resp: 81366
Ion Ratio Lower Upper
65 100
67 55.4 0.0 110.6

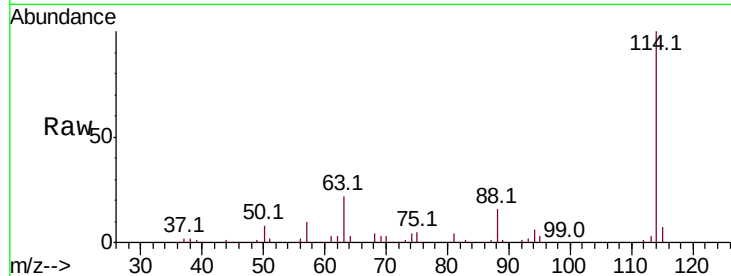




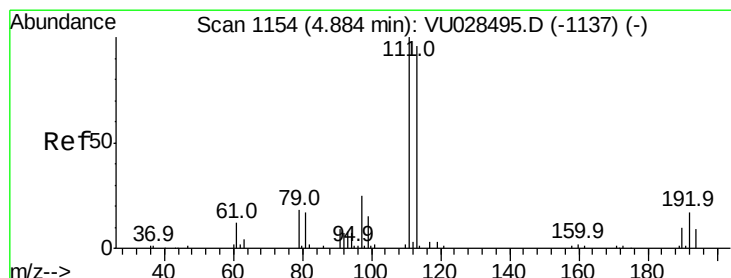
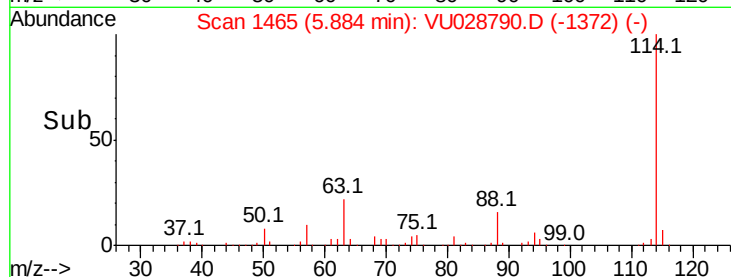
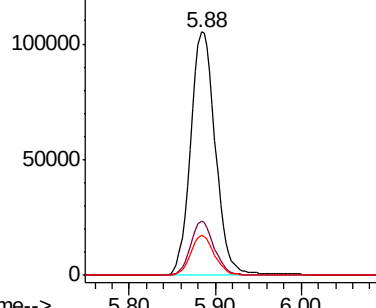
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0493

Tot Ion:	114	Resp:	211856
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	49.2
88	16.3	0.0	33.4

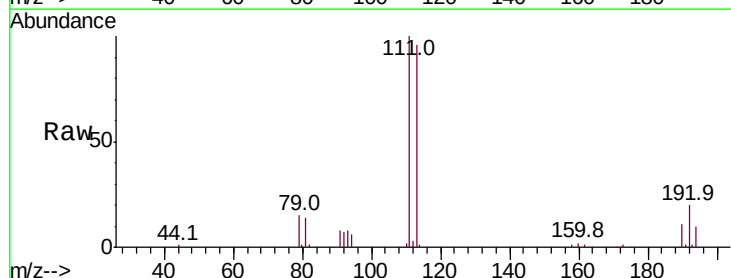


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

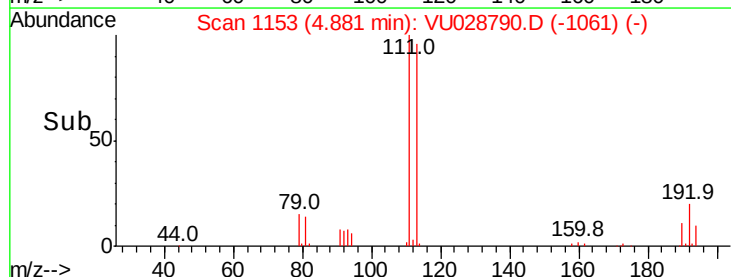
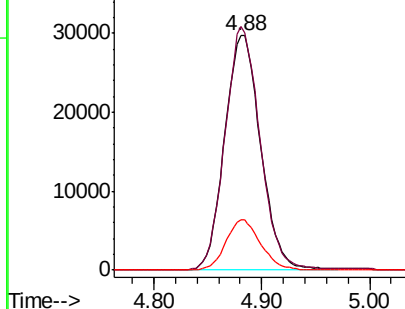


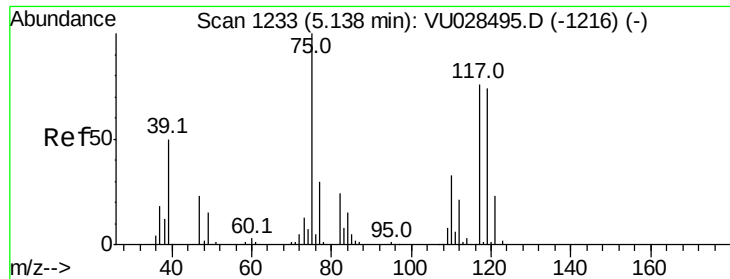
#35
 Dibromofluoromethane
 Concen: 51.939 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

Tgt Ion:	113	Resp:	69246
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.4	125.0
192	20.4	14.8	22.2



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

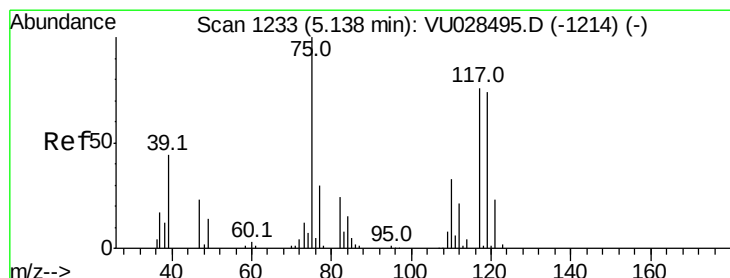
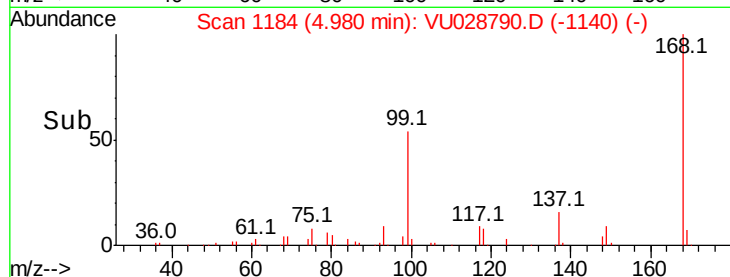
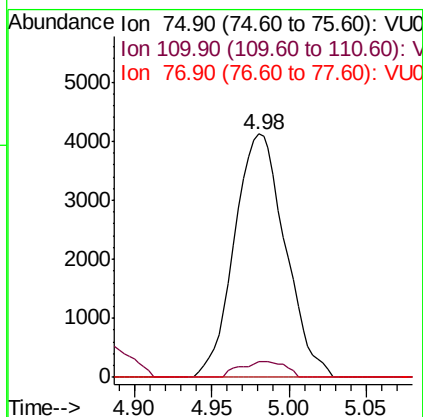
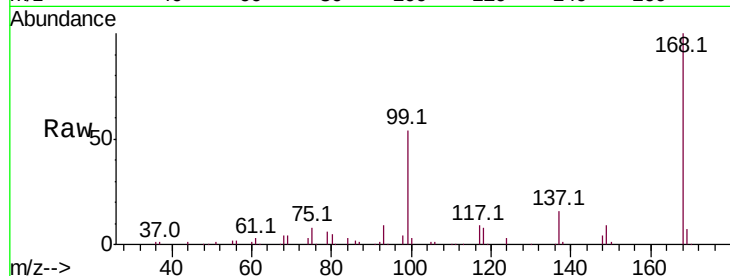




#36
 1,1-Dichloropropene
 Concen: 4.059 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

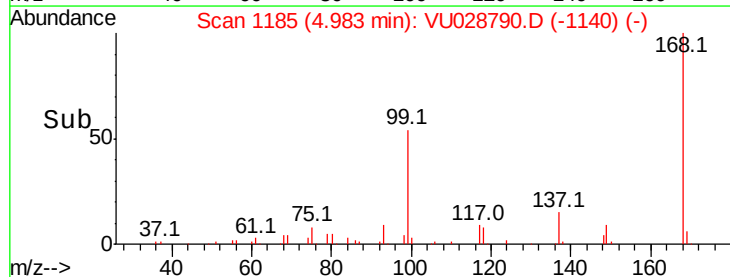
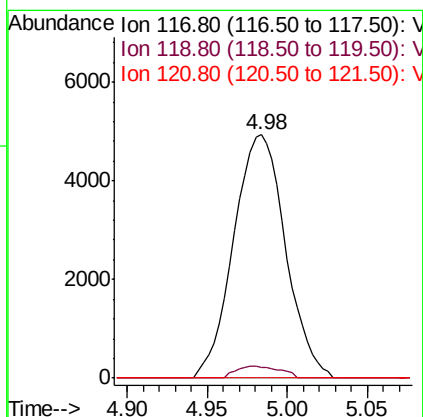
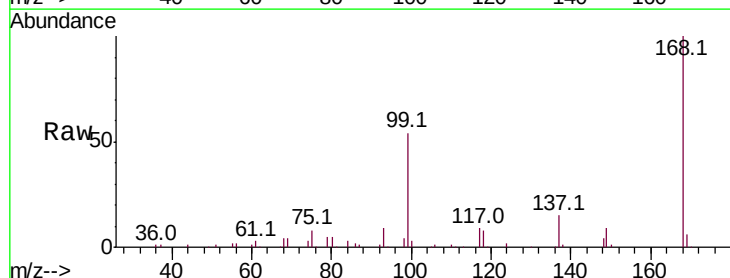
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0493

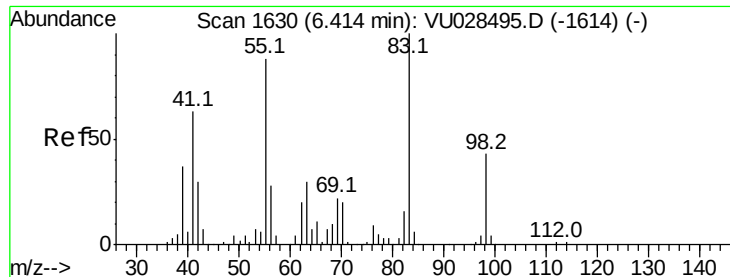
Tot Ion: 75 Resp: 9409
 Ion Ratio Lower Upper
 75 100
 110 5.7 16.1 48.2#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.860 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

Tgt Ion: 117 Resp: 10950
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.6 116.4#
 121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 0.333 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.23 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

S49-0493

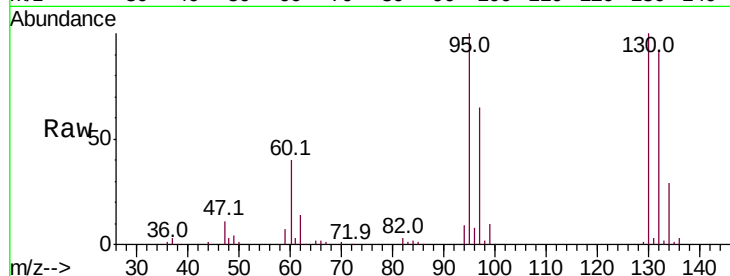
Tot Ion: 83 Resp: 942

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.2#

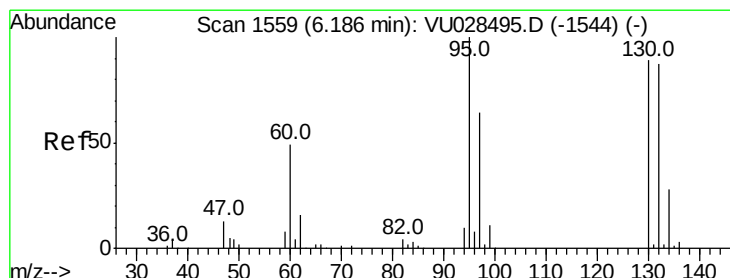
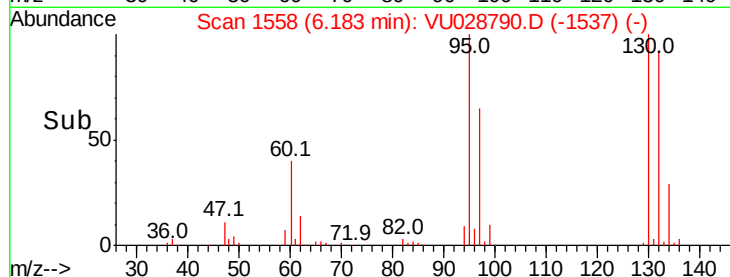
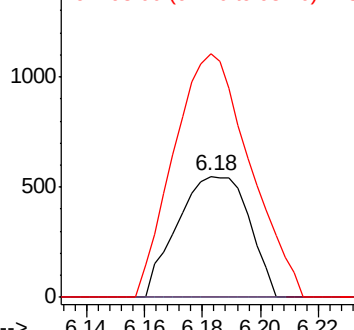
98 201.5 34.2 51.4#



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



#44

Trichloroethene

Concen: 60.896 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028790.D

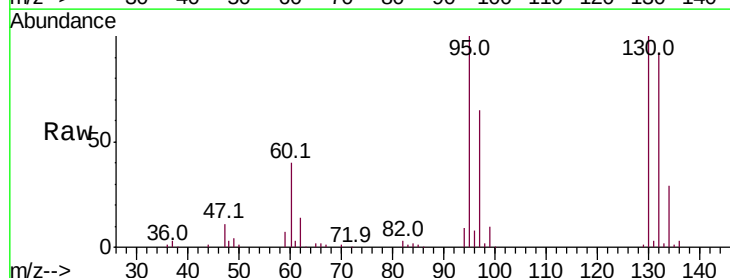
Acq: 19 Dec 2018 13:44

Tgt Ion:130 Resp: 92451

Ion Ratio Lower Upper

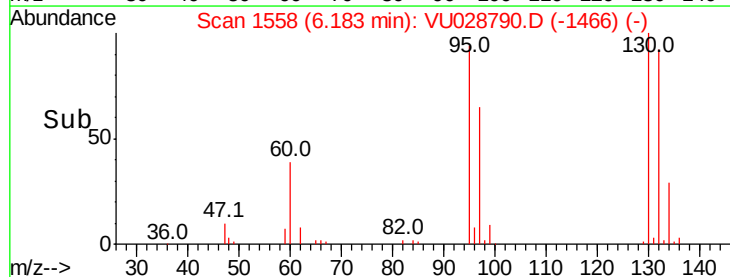
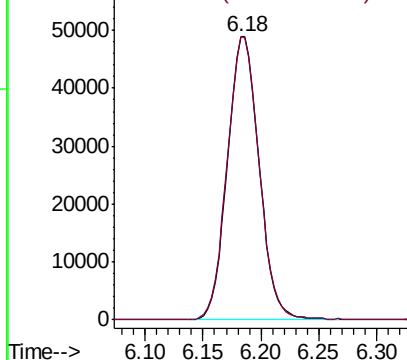
130 100

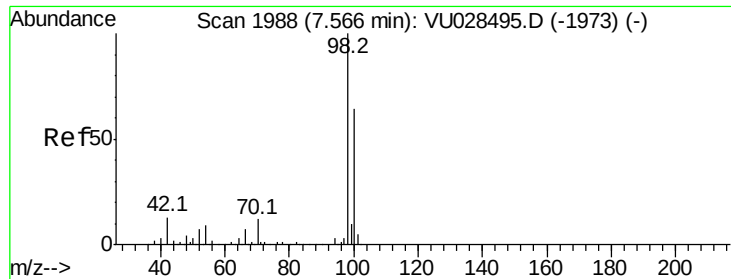
95 99.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

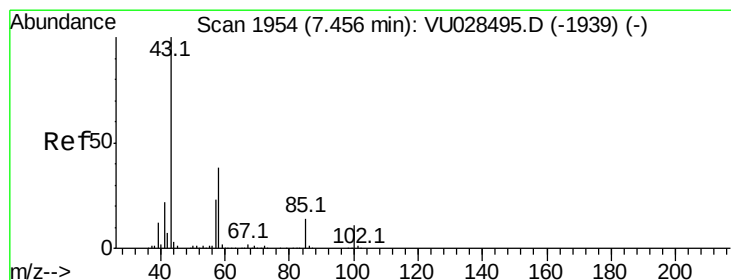
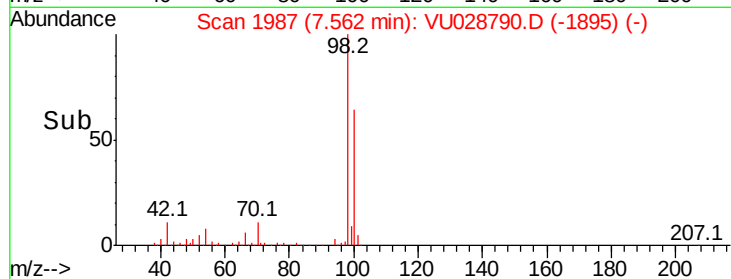
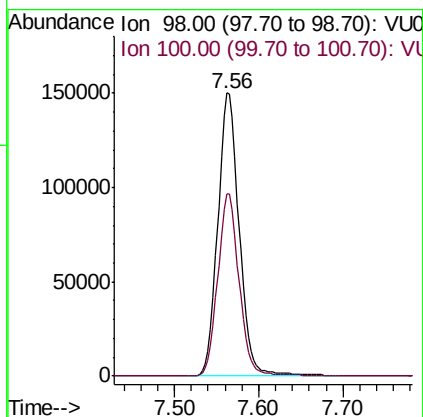
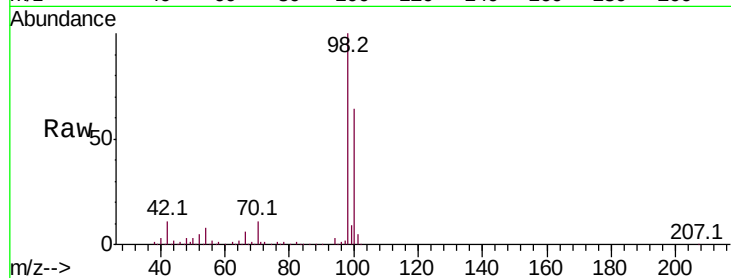




#50
Toluene-d8
Concen: 50.439 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

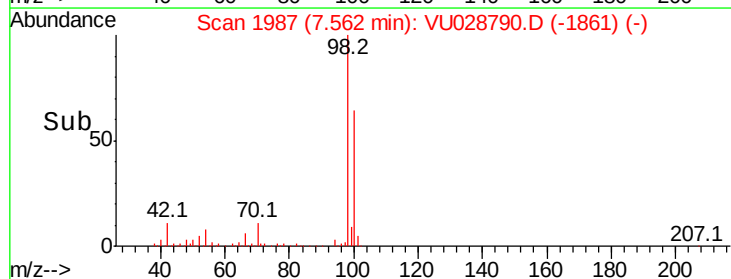
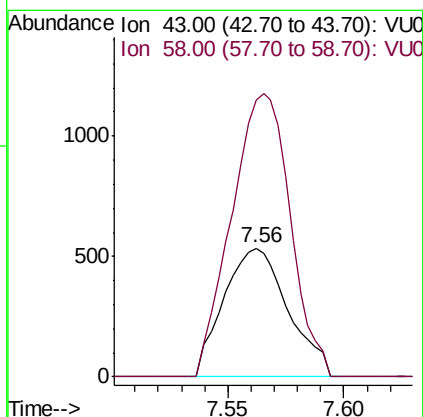
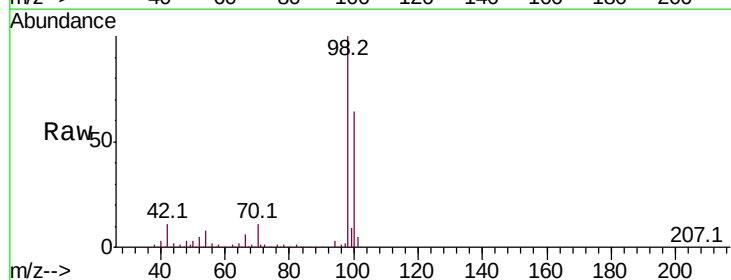
Instrument :
MSVOA_U
ClientSampleId :
S49-0493

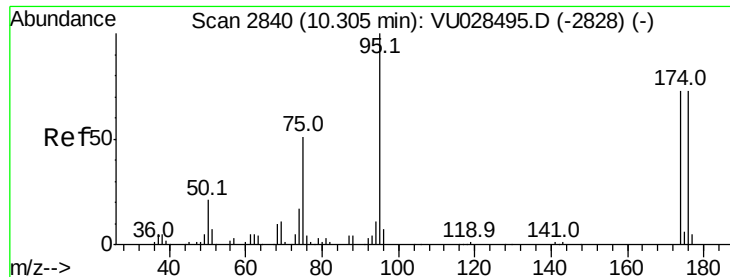
Tot Ion: 98 Resp: 266016
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.11 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 201.3 30.2 45.2#

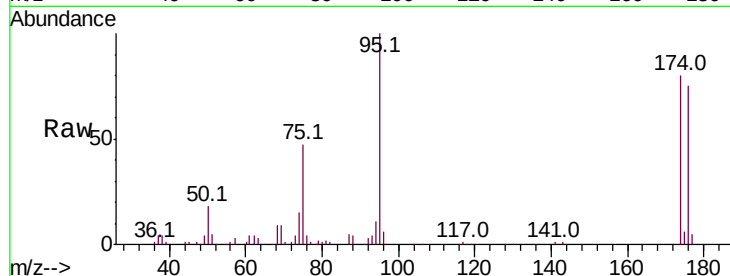




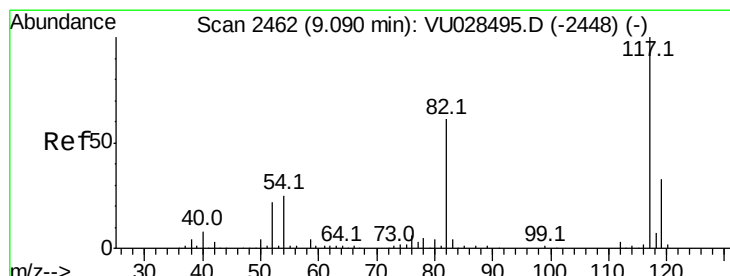
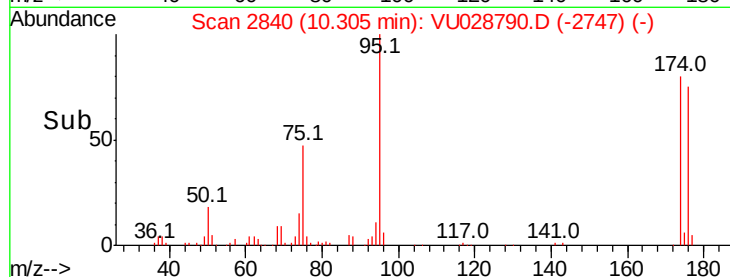
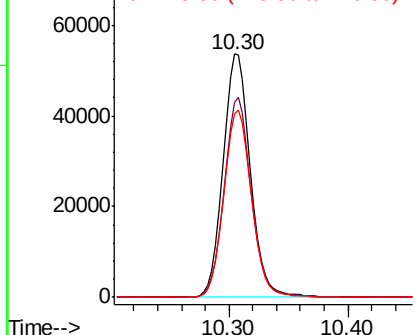
#62
4-Bromofluorobenzene
Concen: 43.118 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

Instrument :
MSVOA_U
ClientSampleId :
S49-0493

Tot Ion: 95 Resp: 84996
Ion Ratio Lower Upper
95 100
174 82.0 0.0 150.4
176 78.6 0.0 145.2

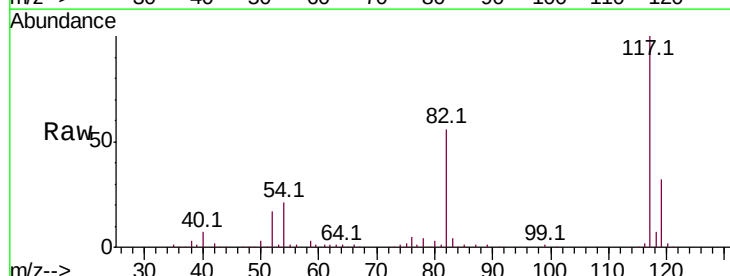


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

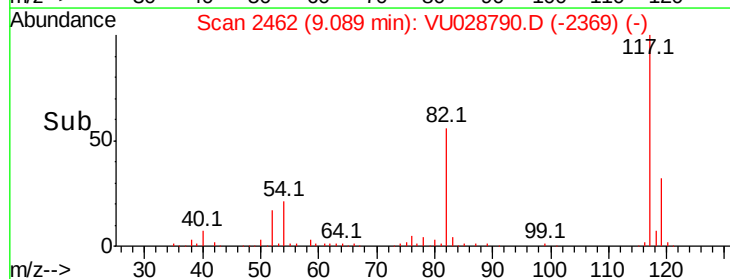
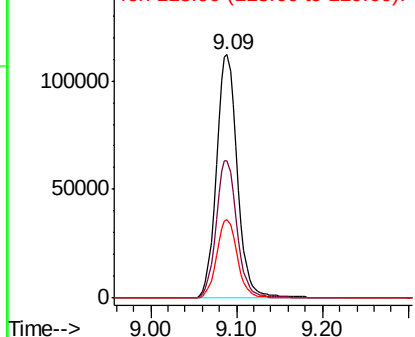


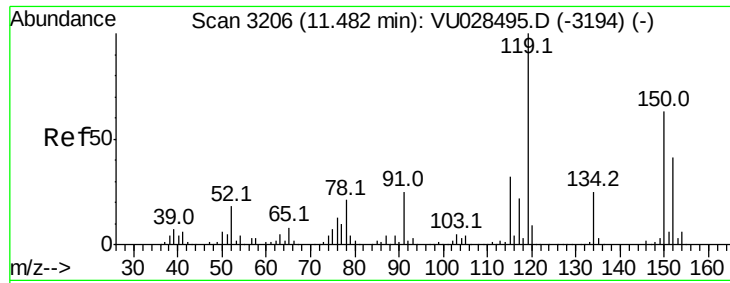
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028790.D
Acq: 19 Dec 2018 13:44

Tgt Ion: 117 Resp: 190151
Ion Ratio Lower Upper
117 100
82 56.5 48.9 73.3
119 32.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

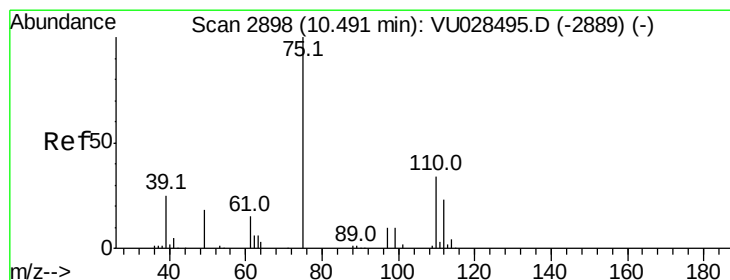
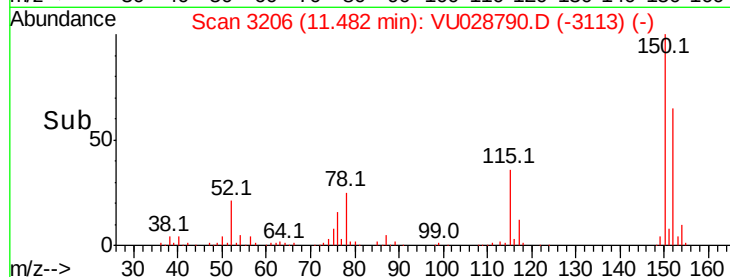
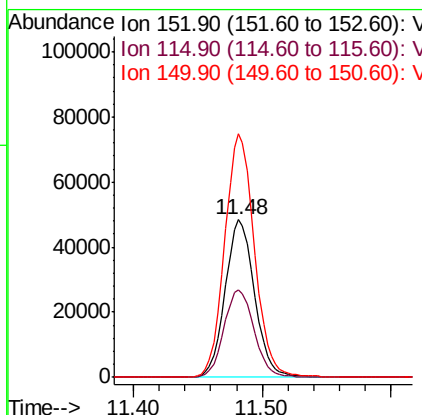
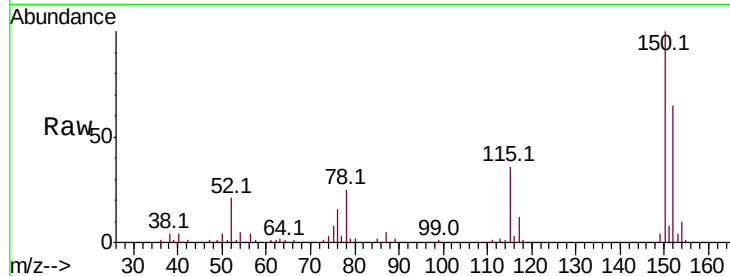




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

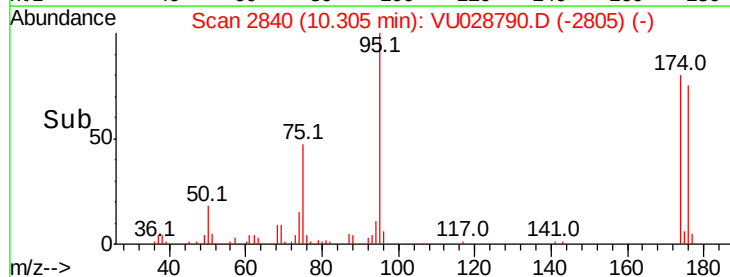
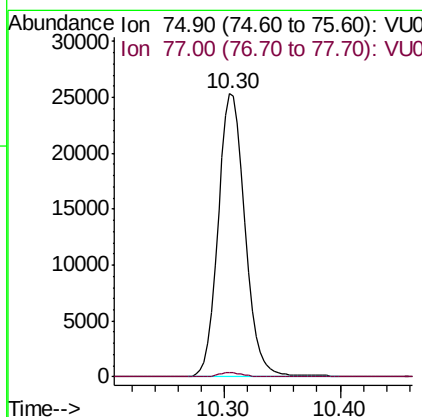
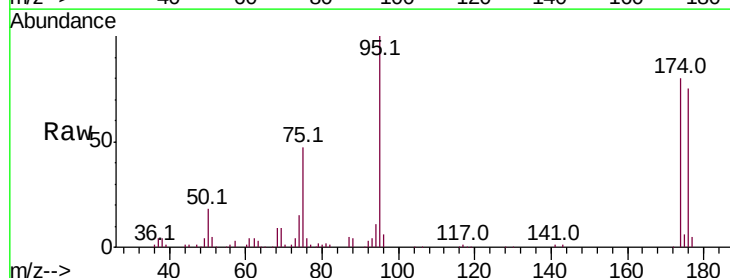
Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0493

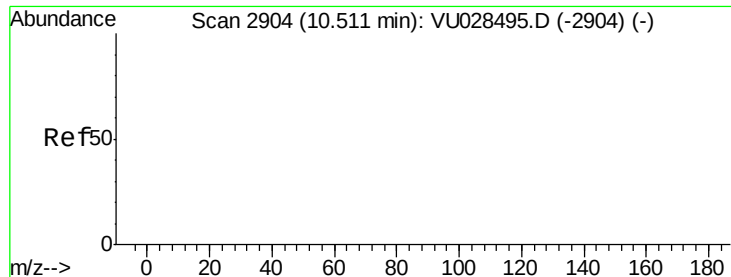
Tot Ion:152 Resp: 76626
 Ion Ratio Lower Upper
 152 100
 115 56.8 42.7 128.1
 150 156.2 0.0 346.0



#76
 1,2,3-Trichloropropane
 Concen: 20.888 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028790.D
 Acq: 19 Dec 2018 13:44

Tgt Ion: 75 Resp: 40870
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.342 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028790.D

Acq: 19 Dec 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

S49-0493

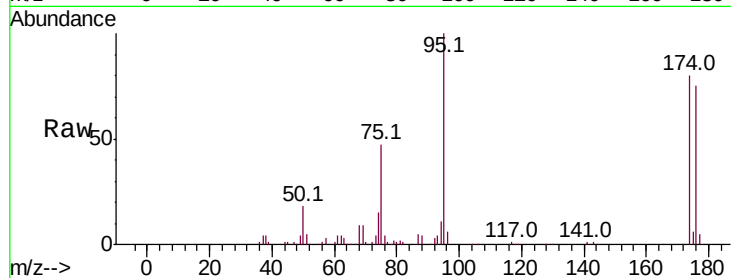
Tot Ion: 75 Resp: 40870

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

