

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122218\
 Data File : VU028916.D
 Acq On : 22 Dec 2018 15:48
 Operator : MD/SY
 Sample : J6426-18ME
 Misc : 6.42g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Quant Time: Dec 24 04:46:23 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	4.97	168	155374	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.88	114	257714	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	246086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	125089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	92129	38.85	ug/l	0.00
Spiked Amount			Recovery	=	77.70%	
35) Dibromofluoromethane	4.88	113	78438	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	7.56	98	333134	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	10.31	95	128631	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3589	0.937	ug/l	93
5) Bromomethane	1.60	94	723	0.650	ug/l	89
10) Methyl Iodide	2.37	142	279	0.205	ug/l #	42
11) Tert butyl alcohol	2.82	59	10716	20.285	ug/l #	73
14) Allyl chloride	2.68	41	3220	0.787	ug/l #	57
16) Acetone	2.36	43	3146	2.033	ug/l	90
18) Methyl Acetate	2.64	43	5861	1.461	ug/l	99
20) Methylene Chloride	2.67	84	2198	0.964	ug/l #	79
23) Vinyl Acetate	3.25	43	4608	0.702	ug/l #	38
24) 1,1-Dichloroethane	3.43	63	35335	8.482	ug/l	98
27) cis-1,2-Dichloroethene	4.21	96	1933	0.877	ug/l	45
29) Tetrahydrofuran	4.67	42	402	0.296	ug/l #	32
31) Cyclohexane	4.97	56	12342	1.884	ug/l #	61
32) 1,1,1-Trichloroethane	4.90	97	5019	1.664	ug/l	97
36) 1,1-Dichloropropene	4.97	75	12518	4.439	ug/l #	50
38) Carbon Tetrachloride	4.97	117	13654	6.007	ug/l #	15
39) Methylcyclohexane	6.40	83	32002	9.302	ug/l	94
40) Benzene	5.38	78	13320	1.604	ug/l	97
42) 1,2-Dichloroethane	5.40	62	32338	11.123	ug/l	94
43) Isopropyl Acetate	5.51	43	1890	0.328	ug/l #	62
44) Trichloroethene	6.18	130	2831	1.533	ug/l	82
48) Methyl methacrylate	6.63	41	1915	0.668	ug/l #	9
51) 4-Methyl-2-Pentanone	7.50	43	19058	5.240	ug/l	98
52) Toluene	7.63	92	594501	121.619	ug/l	99
53) t-1,3-Dichloropropene	7.63	75	6089	1.896	ug/l #	1
55) 1,1,2-Trichloroethane	8.04	97	14524	7.517	ug/l #	19
56) Ethyl methacrylate	8.04	69	3614	1.092	ug/l #	49
59) 2-Hexanone	8.32	43	33246	11.533	ug/l #	31
60) Dibromochloromethane	8.22	129	11090	5.862	ug/l #	10
64) Tetrachloroethene	8.22	164	12089	7.365	ug/l	97
65) Chlorobenzene	9.12	112	7470	1.425	ug/l	93
67) Ethyl Benzene	9.25	91	354596	36.784	ug/l	100
68) m/p-Xylenes	9.38	106	435501	124.156	ug/l	95
69) o-Xylene	9.78	106	182728	53.605	ug/l	94

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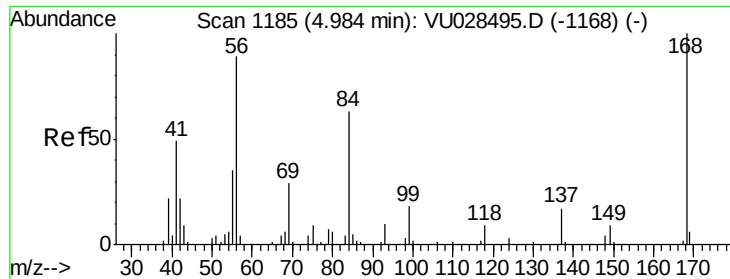
Instrument :
 MSVOA_U
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	9.79	104	13359	2.368	ug/l #	1
73) Isopropylbenzene	10.17	105	88718	9.243	ug/l	98
74) N-aryl acetate	10.01	43	13469	2.433	ug/l #	8
75) 1,1,2,2-Tetrachloroethane	10.49	83	64130	17.393	ug/l #	25
76) 1,2,3-Trichloropropane	10.59	75	2171	0.680	ug/l #	1
78) n-propylbenzene	10.59	91	261576	21.931	ug/l	97
79) 2-Chlorotoluene	10.68	91	128724	18.736	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	537479	67.647	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.59	75	2171	2.177	ug/l #	100
82) 4-Chlorotoluene	10.77	91	51355	6.308	ug/l #	47
83) tert-Butylbenzene	11.10	119	10075	1.316	ug/l	91
84) 1,2,4-Trimethylbenzene	11.15	105	1760272	214.972	ug/l	97
85) sec-Butylbenzene	11.33	105	214966	21.850	ug/l	97
86) p-Isopropyltoluene	11.48	119	203279	24.323	ug/l	96
87) 1,3-Dichlorobenzene	11.51	146	787167	185.702	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	787167	179.489	ug/l	99
89) n-Butylbenzene	11.89	91	404926	47.875	ug/l #	34
90) Hexachloroethane	12.15	117	49346	39.065	ug/l #	11
91) 1,2-Dichlorobenzene	11.88	146	20970	4.946	ug/l #	47
92) 1,2-Dibromo-3-Chloropropan	12.65	75	5213	6.530	ug/l #	41
93) 1,2,4-Trichlorobenzene	13.51	180	938306	317.453	ug/l	97
95) Naphthalene	13.75	128	1322387	129.971	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	237689	81.874	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.97 min Scan# 1181

Delta R.T. -0.01 min

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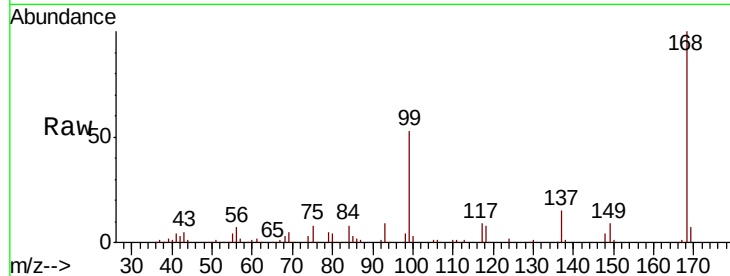
P001-SS019-1824-01ME

Tgt Ion:168 Resp: 155374

Ion Ratio Lower Upper

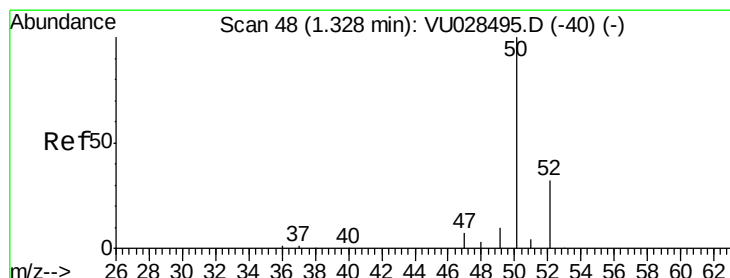
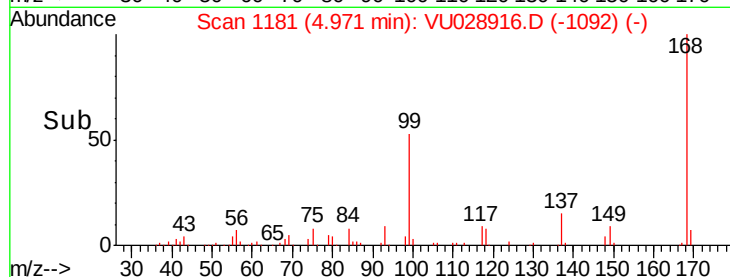
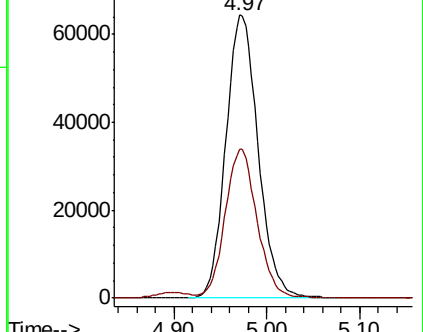
168 100

99 52.6 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.937 ug/l

RT: 1.32 min Scan# 45

Delta R.T. -0.01 min

Lab File: VU028916.D

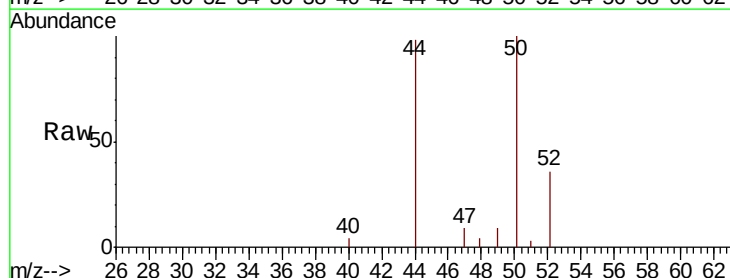
Acq: 22 Dec 2018 15:48

Tgt Ion: 50 Resp: 3589

Ion Ratio Lower Upper

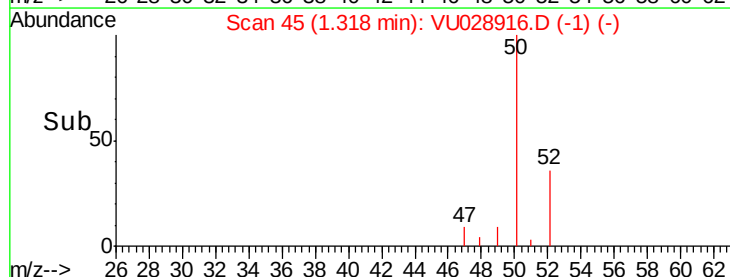
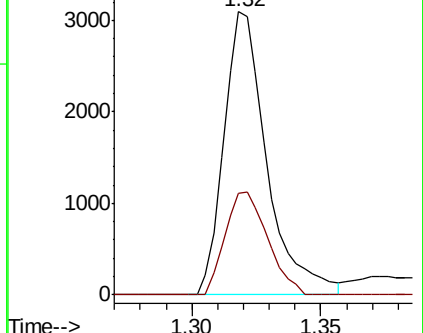
50 100

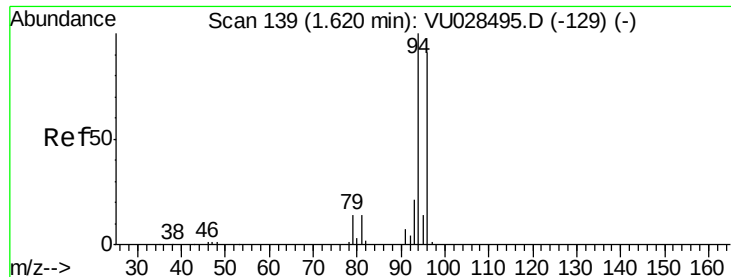
52 35.9 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)





#5

Bromomethane

Concen: 0.650 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.02 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

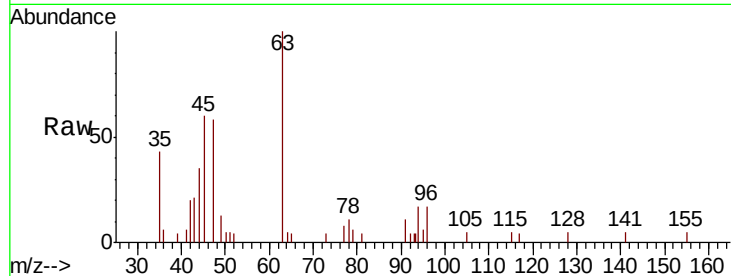
P001-SS019-1824-01ME

Tgt Ion: 94 Resp: 723

Ion Ratio Lower Upper

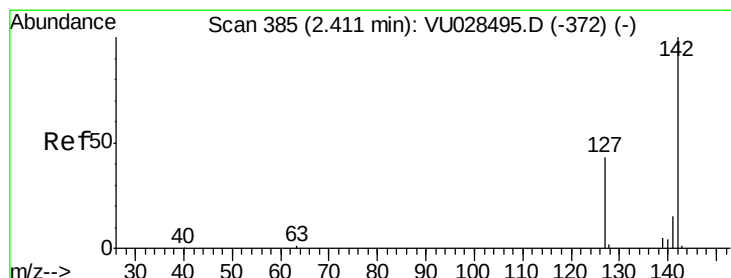
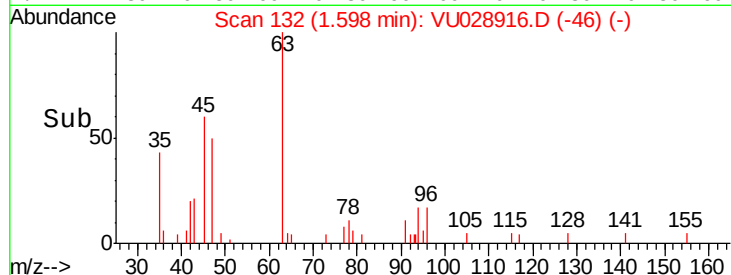
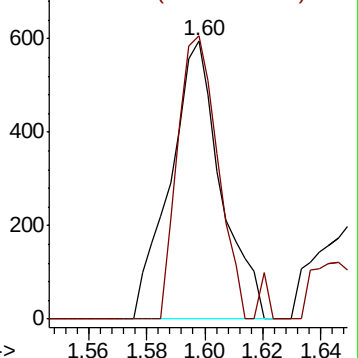
94 100

96 101.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#10

Methyl Iodide

Concen: 0.205 ug/l

RT: 2.37 min Scan# 372

Delta R.T. -0.04 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

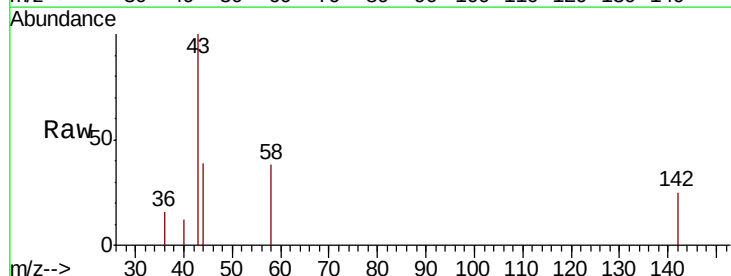
Tgt Ion: 142 Resp: 279

Ion Ratio Lower Upper

142 100

127 0.0 33.5 50.3#

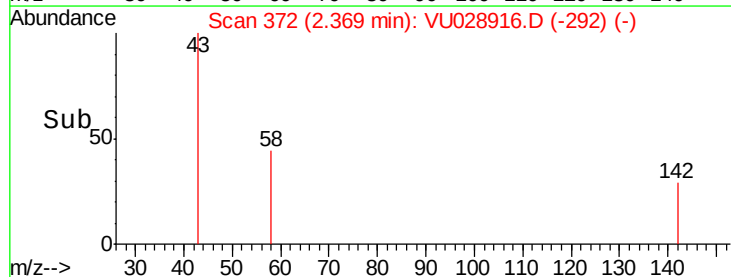
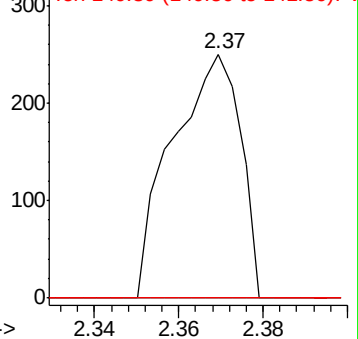
141 0.0 11.2 16.8#

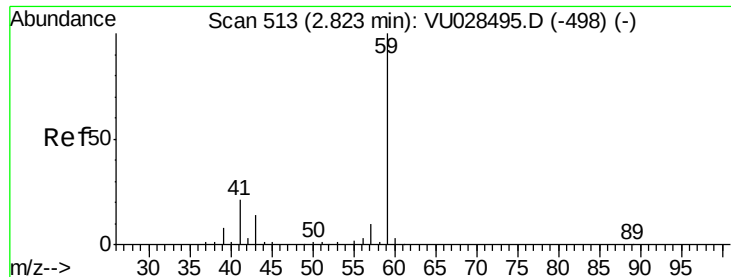


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

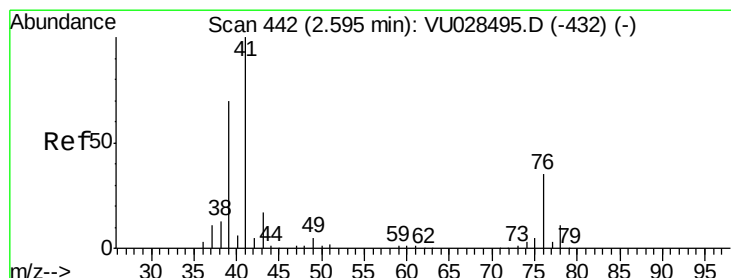
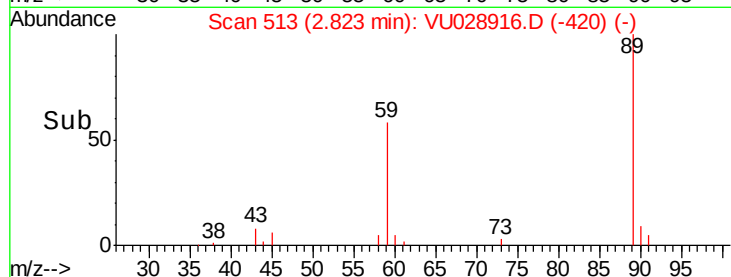
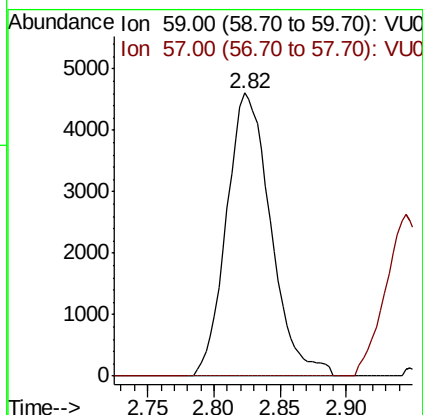
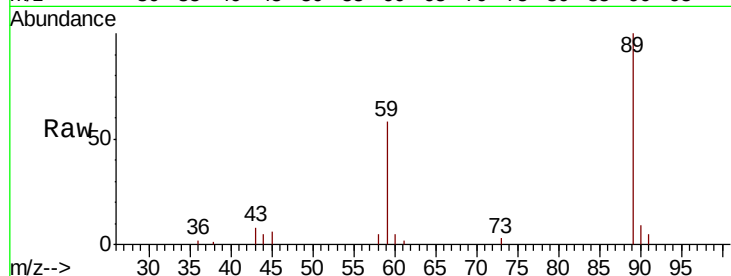




#11
Tert butyl alcohol
Concen: 20.285 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

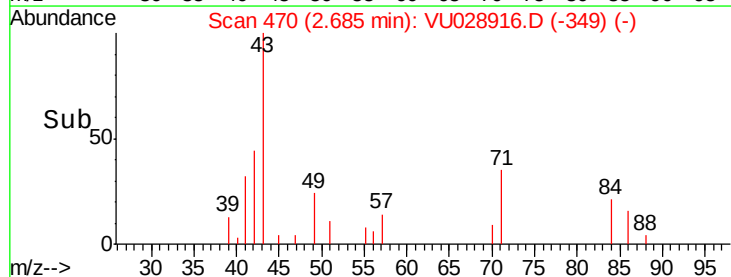
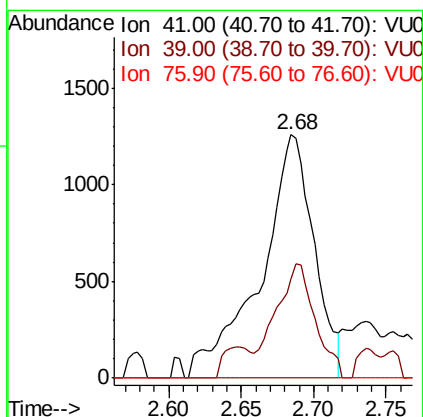
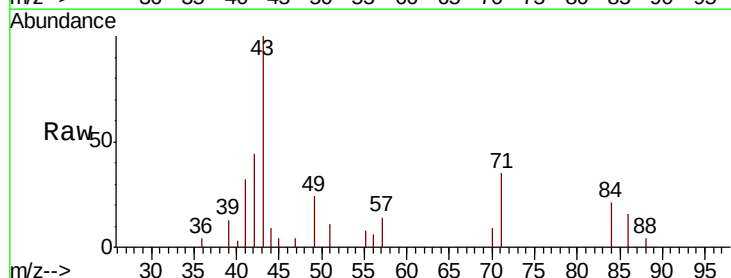
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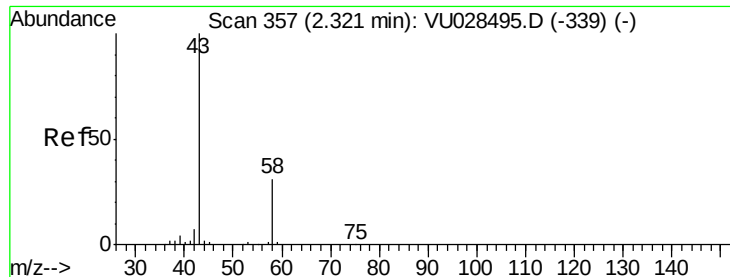
Tgt Ion: 59 Resp: 10716
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#14
Allyl chloride
Concen: 0.787 ug/l
RT: 2.68 min Scan# 470
Delta R.T. 0.09 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 41 Resp: 3220
Ion Ratio Lower Upper
41 100
39 34.6 50.8 76.2#
76 0.0 24.8 37.2#





#16

Acetone

Concen: 2.033 ug/l

RT: 2.36 min Scan# 370

Delta R.T. 0.04 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

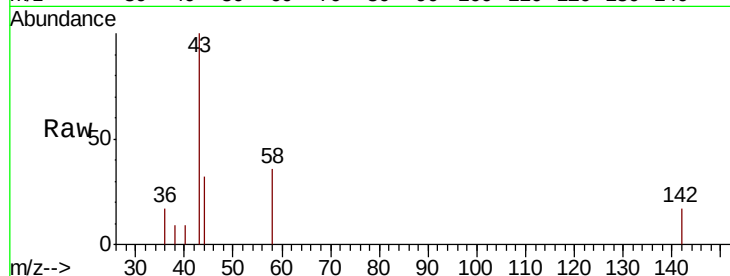
P001-SS019-1824-01ME

Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

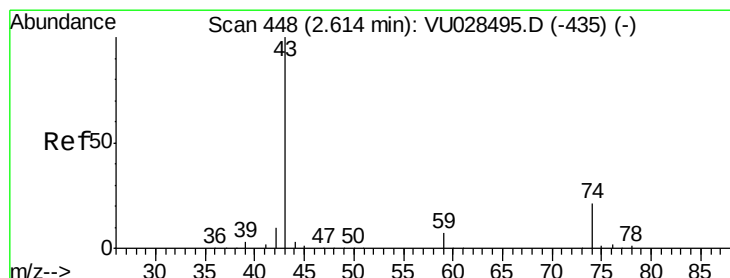
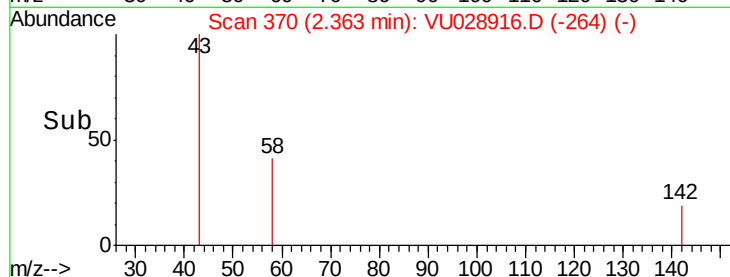
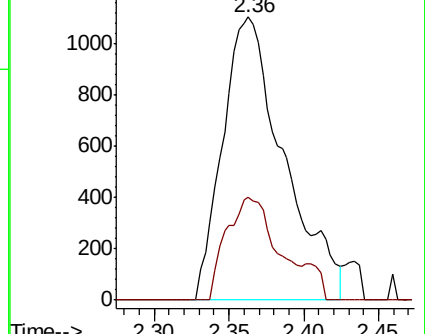
43 100

58 36.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.461 ug/l

RT: 2.64 min Scan# 455

Delta R.T. 0.02 min

Lab File: VU028916.D

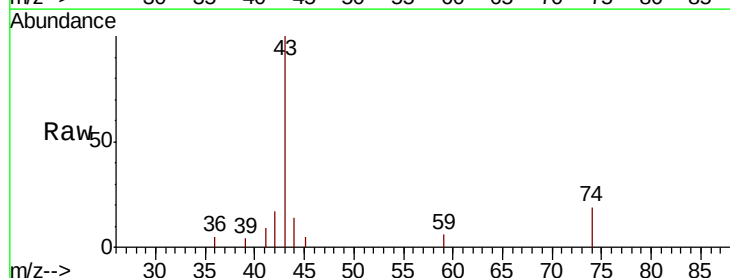
Acq: 22 Dec 2018 15:48

Tgt Ion: 43 Resp: 5861

Ion Ratio Lower Upper

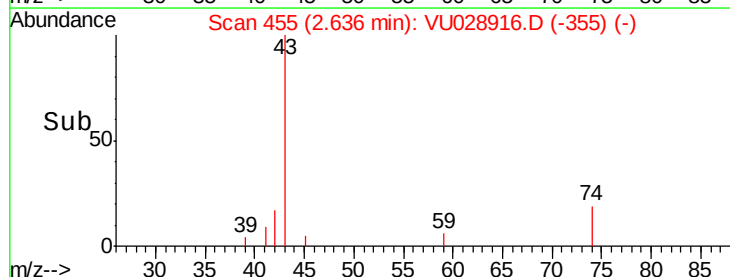
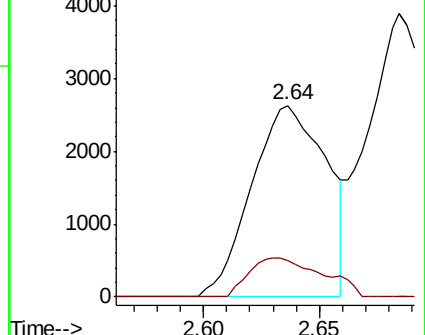
43 100

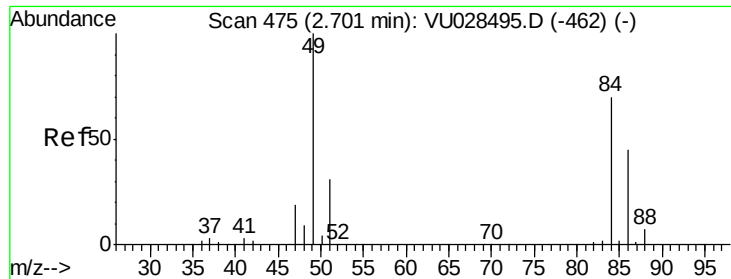
74 20.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

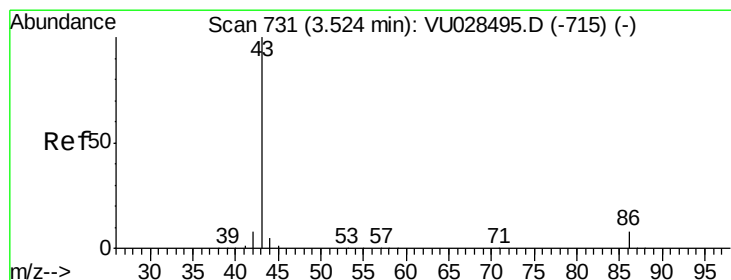
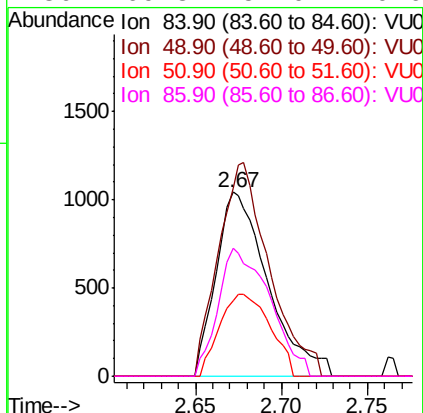
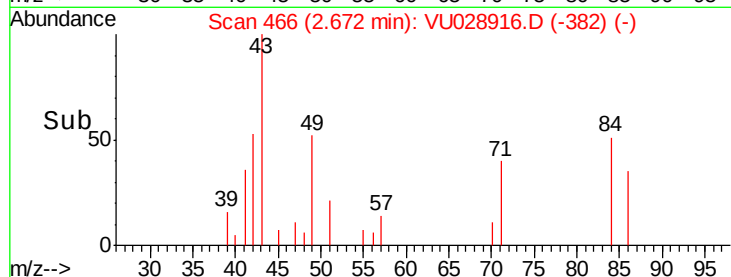
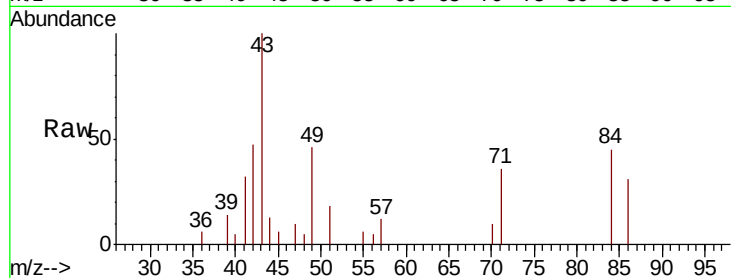




#20
Methylene Chloride
Concen: 0.964 ug/l
RT: 2.67 min Scan# 466
Delta R.T. -0.03 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

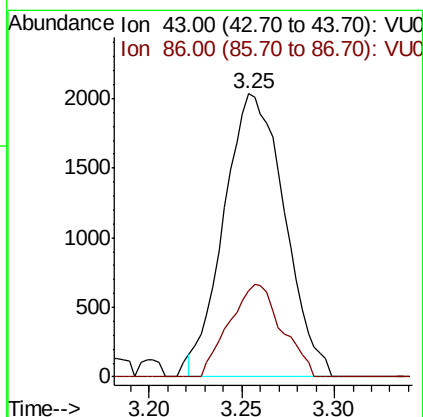
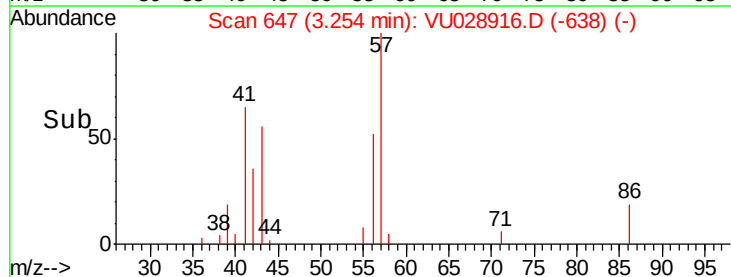
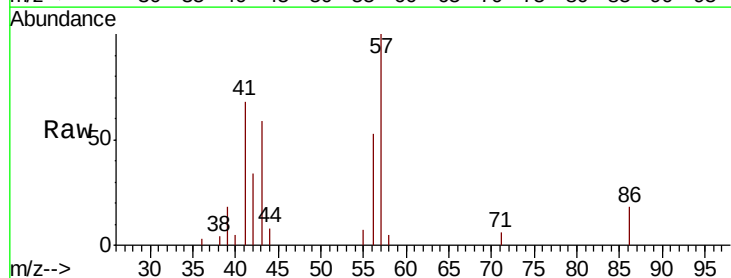
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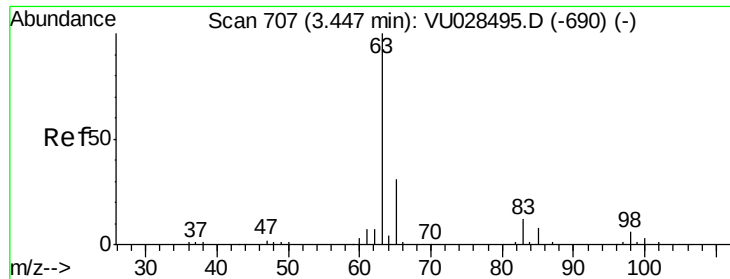
Tgt Ion: 84 Resp: 2198
Ion Ratio Lower Upper
84 100
49 102.2 114.0 171.0#
51 41.1 35.1 52.7
86 69.3 51.0 76.6



#23
Vinyl Acetate
Concen: 0.702 ug/l
RT: 3.25 min Scan# 647
Delta R.T. -0.27 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
86 30.7 6.8 10.2#

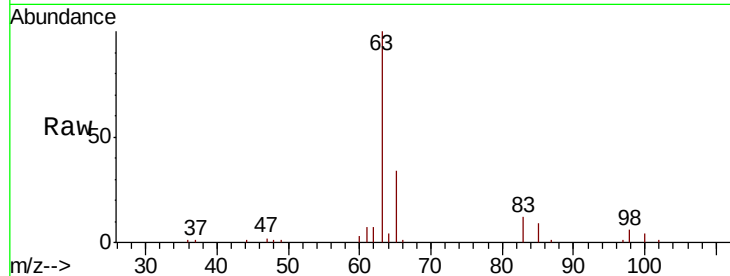




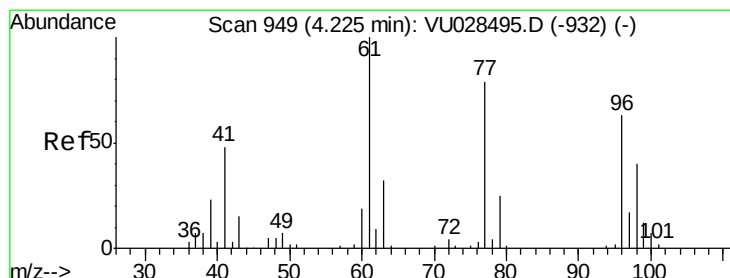
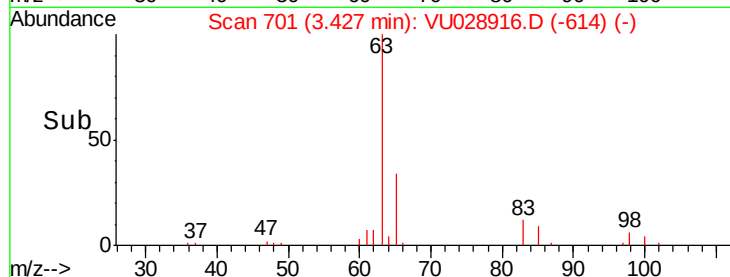
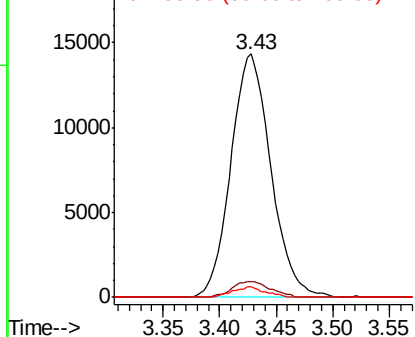
#24
 1,1-Dichloroethane
 Concen: 8.482 ug/l
 RT: 3.43 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion: 63 Resp: 35335
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 4.5 1.7 5.1

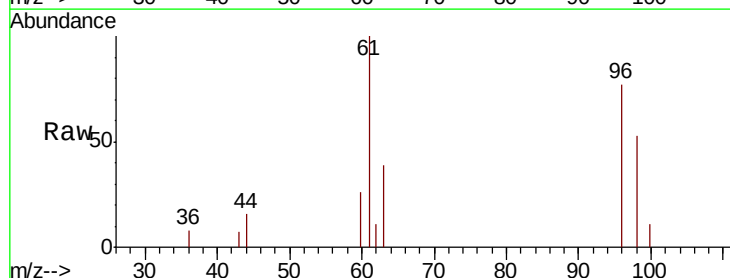


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

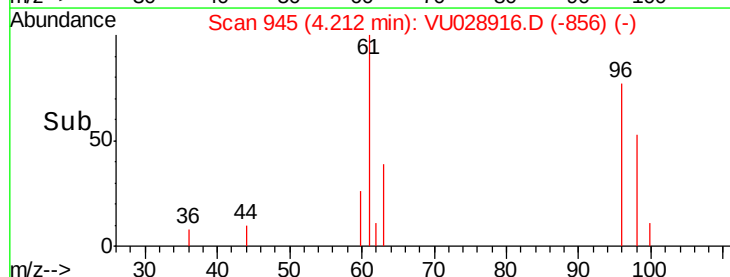
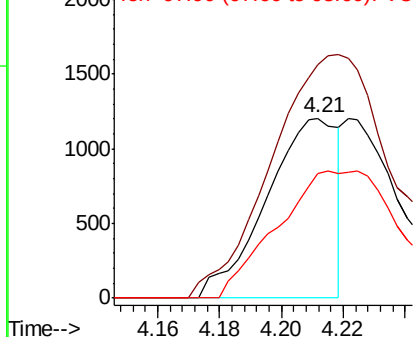


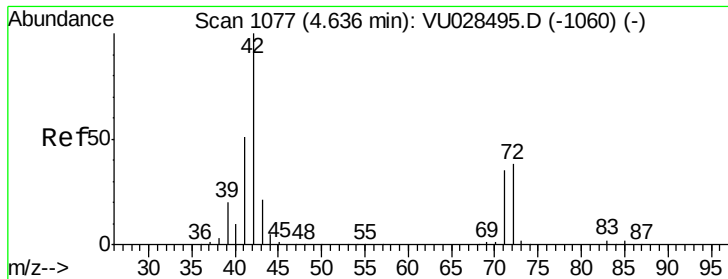
#27
 cis-1,2-Dichloroethene
 Concen: 0.877 ug/l
 RT: 4.21 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion: 96 Resp: 1933
 Ion Ratio Lower Upper
 96 100
 61 233.7 0.0 332.4
 98 118.4 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 0.296 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.04 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

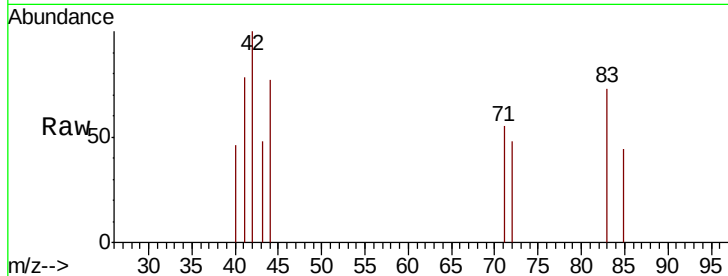
Tgt Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

72 85.1 31.4 47.0#

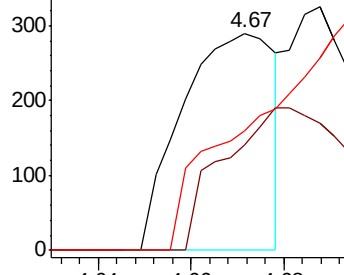
71 0.0 28.6 43.0#



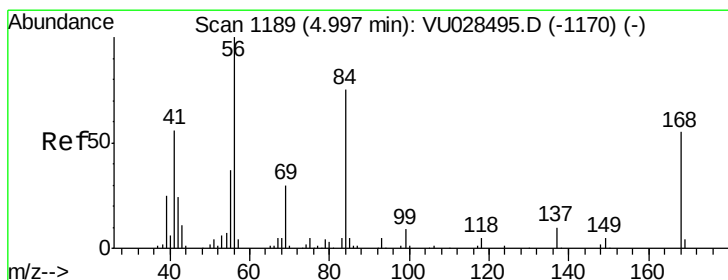
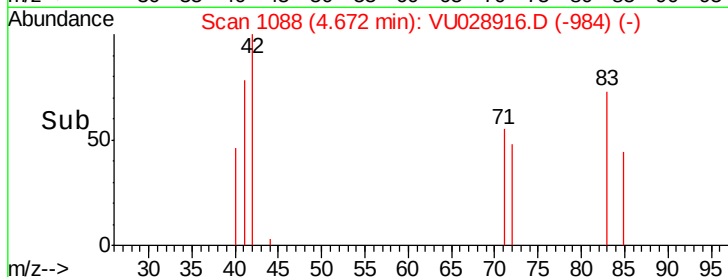
Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



Time-->



#31

Cyclohexane

Concen: 1.884 ug/l

RT: 4.97 min Scan# 1180

Delta R.T. -0.03 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

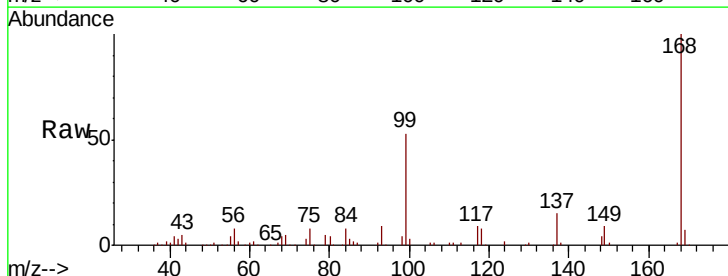
Tgt Ion: 56 Resp: 12342

Ion Ratio Lower Upper

56 100

69 64.6 24.0 36.0#

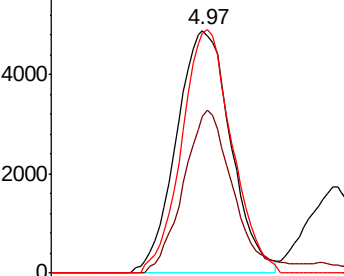
84 98.7 59.7 89.5#



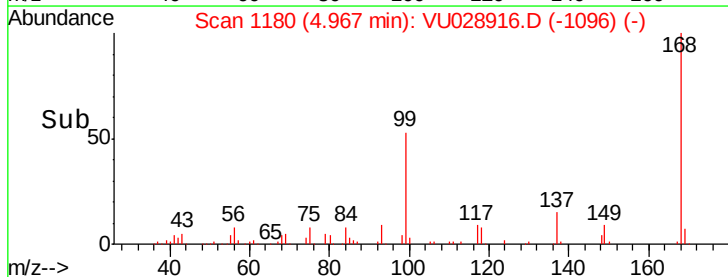
Abundance Ion 56.00 (55.70 to 56.70): VU0

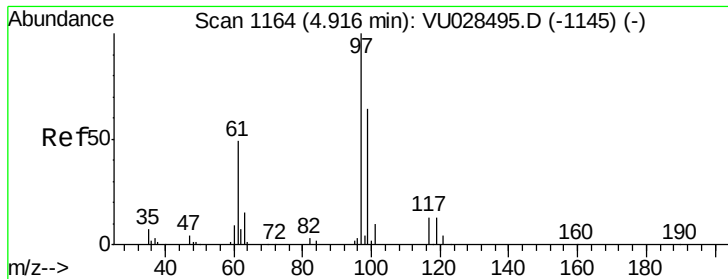
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



Time-->





#32

1,1,1-Trichloroethane

Concen: 1.664 ug/l

RT: 4.90 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

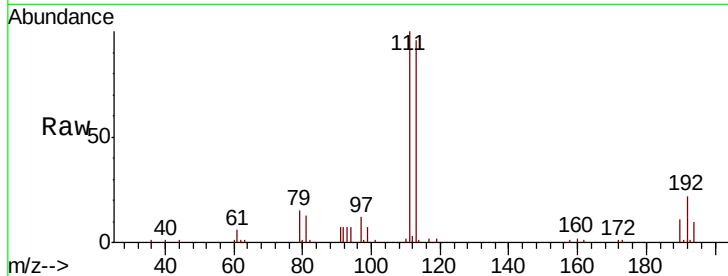
Tgt Ion: 97 Resp: 5019

Ion Ratio Lower Upper

97 100

99 66.5 52.3 78.5

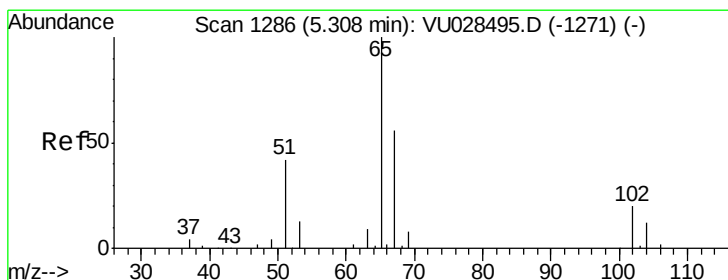
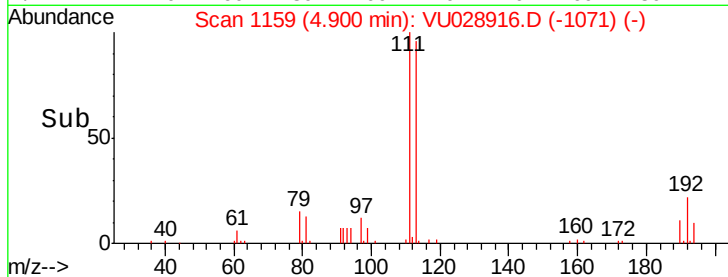
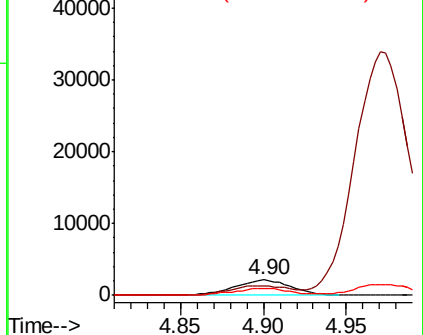
61 45.6 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 38.855 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028916.D

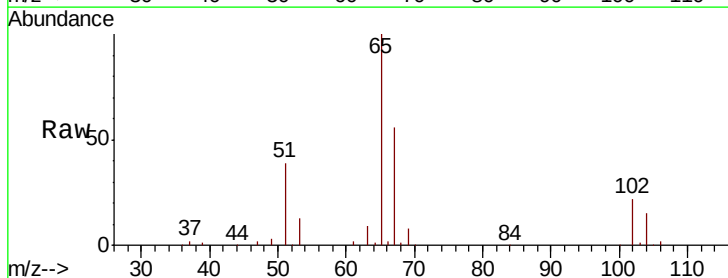
Acq: 22 Dec 2018 15:48

Tgt Ion: 65 Resp: 92129

Ion Ratio Lower Upper

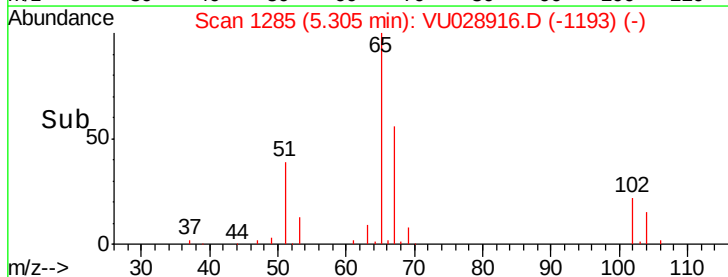
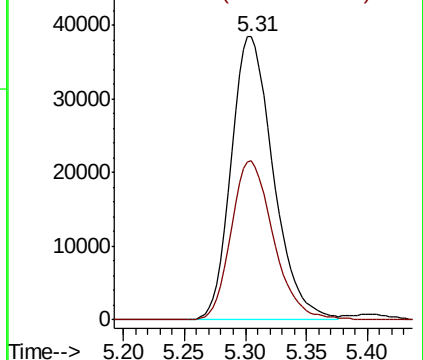
65 100

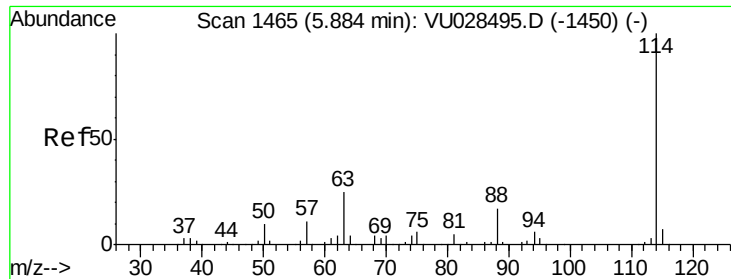
67 56.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1463

Delta R.T. -0.01 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

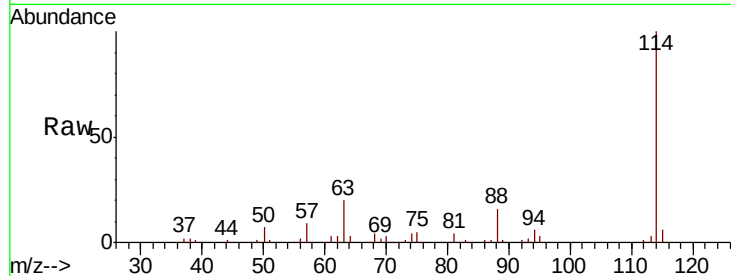
Tgt Ion:114 Resp: 257714

Ion Ratio Lower Upper

114 100

63 19.8 0.0 49.2

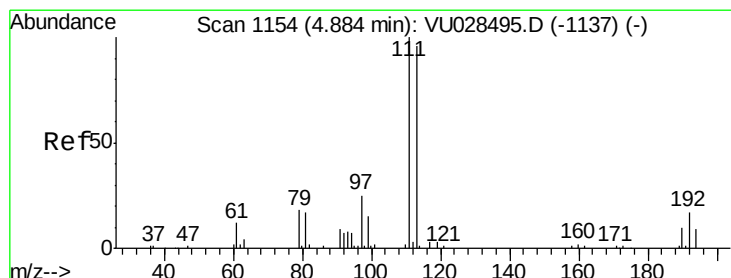
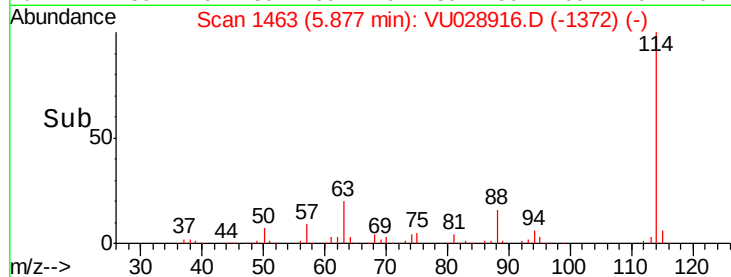
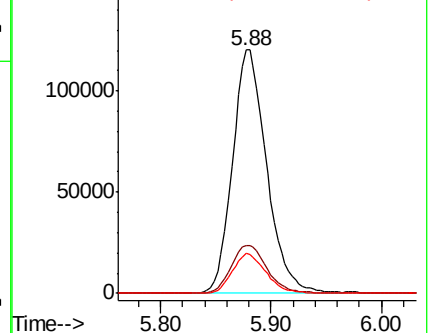
88 16.2 0.0 33.4



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: 48.364 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

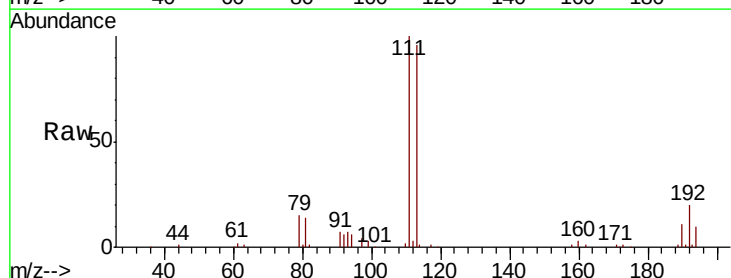
Tgt Ion:113 Resp: 78438

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.0

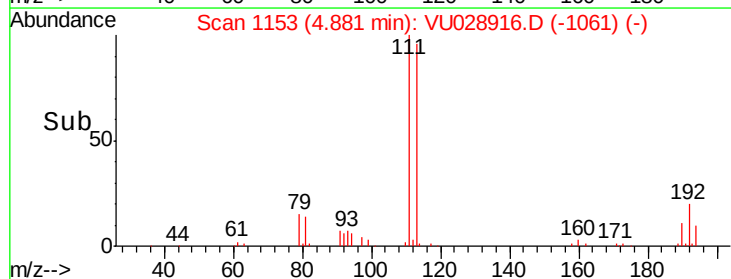
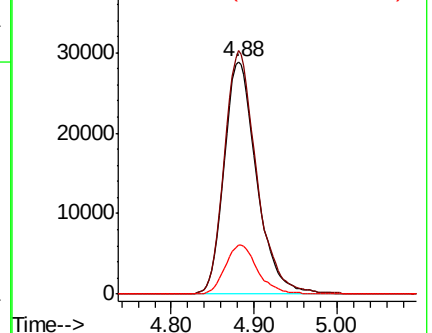
192 21.0 14.8 22.2

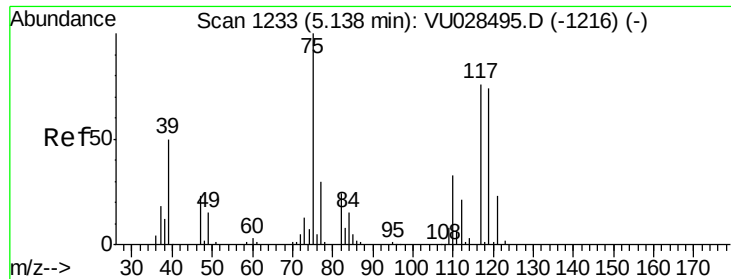


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

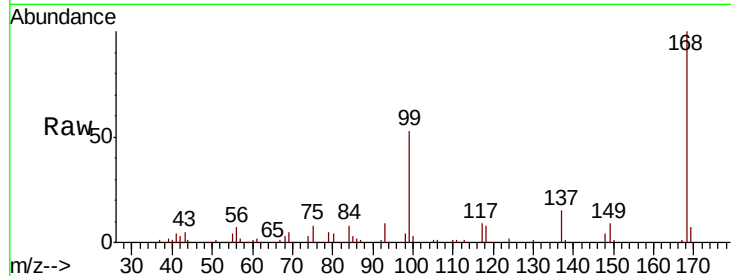




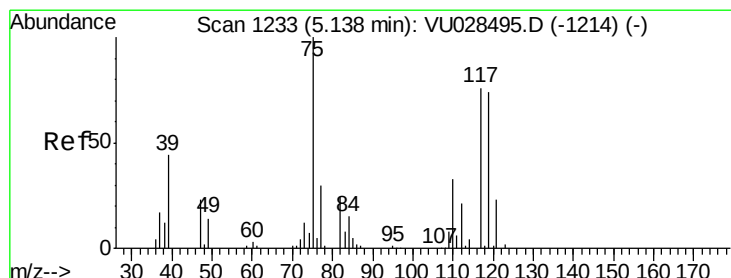
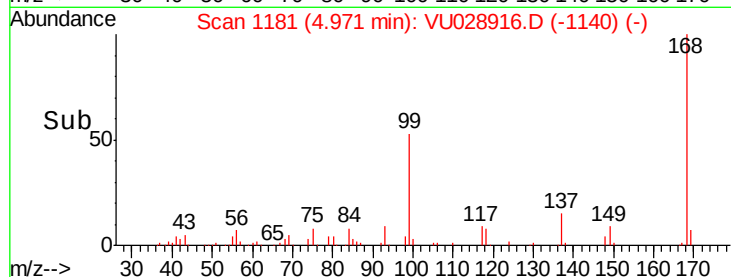
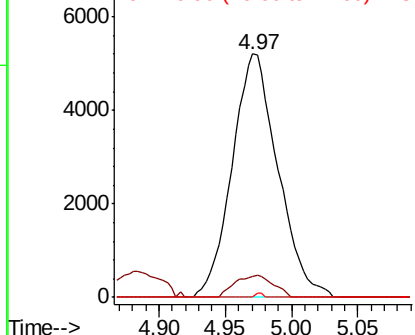
#36
 1,1-Dichloropropene
 Concen: 4.439 ug/l
 RT: 4.97 min Scan# 1181
 Delta R.T. -0.17 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion: 75 Resp: 12518
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.1 48.2#
 77 0.0 24.5 36.7#

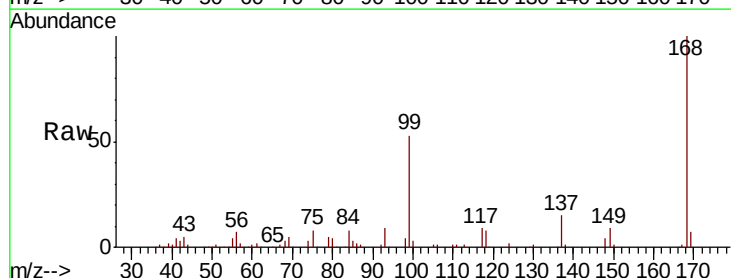


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

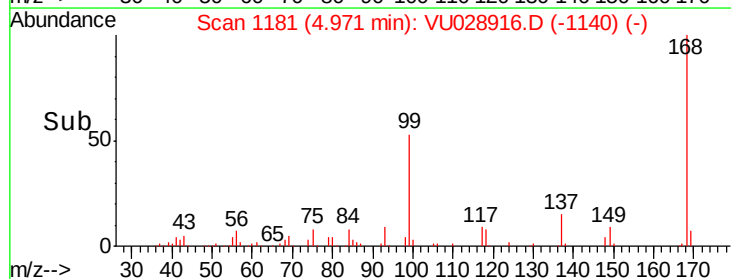
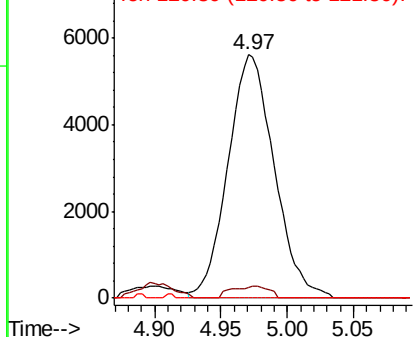


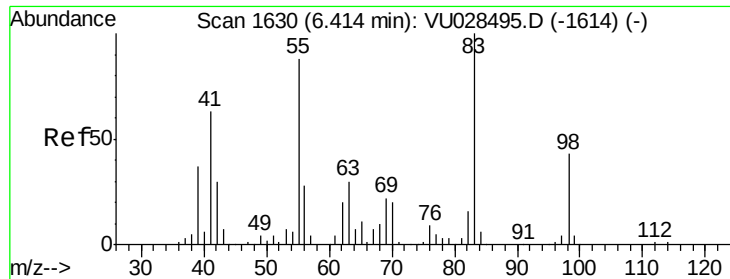
#38
 Carbon Tetrachloride
 Concen: 6.007 ug/l
 RT: 4.97 min Scan# 1181
 Delta R.T. -0.17 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion: 117 Resp: 13654
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.6 116.4#
 121 0.0 24.6 36.8#



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

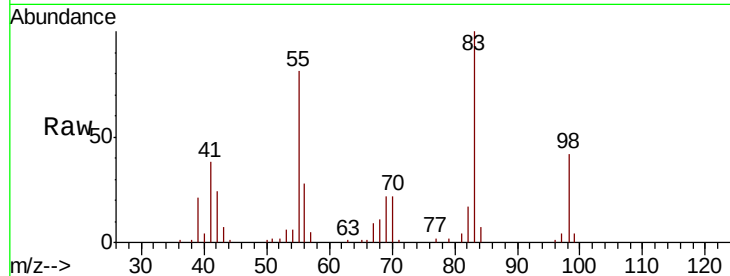




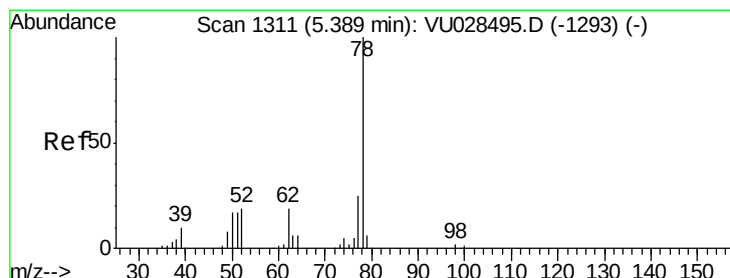
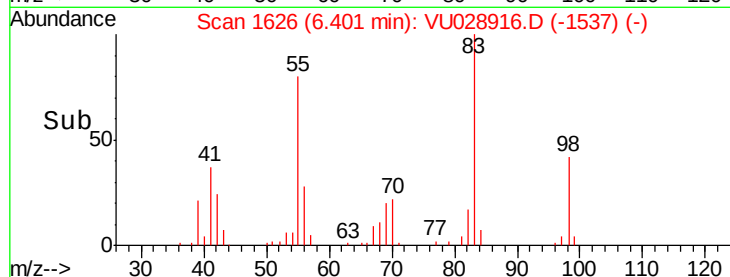
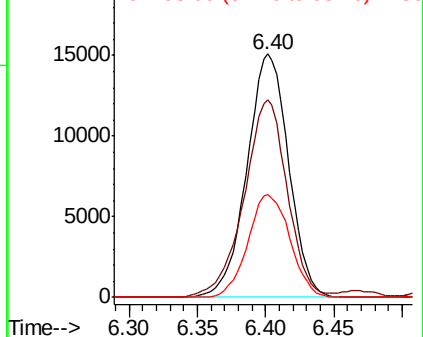
#39
Methylcyclohexane
Concen: 9.302 ug/l
RT: 6.40 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

Tgt Ion: 83 Resp: 32002
Ion Ratio Lower Upper
83 100
55 80.4 70.2 105.2
98 42.0 34.2 51.4

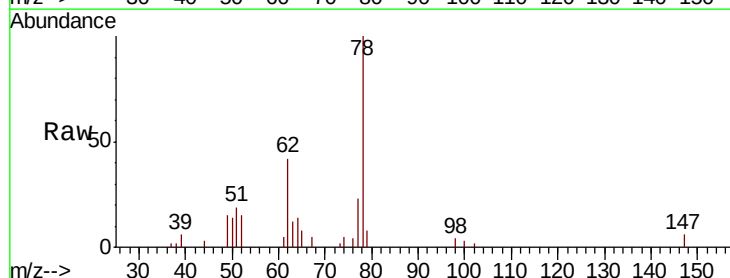


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

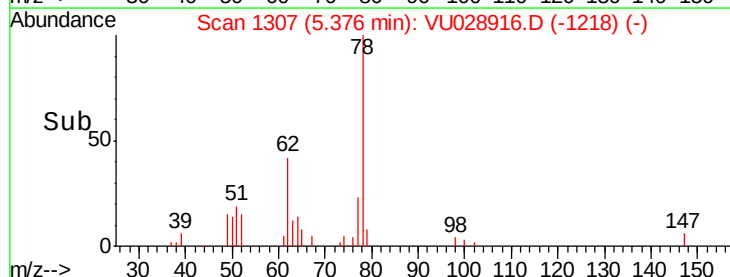
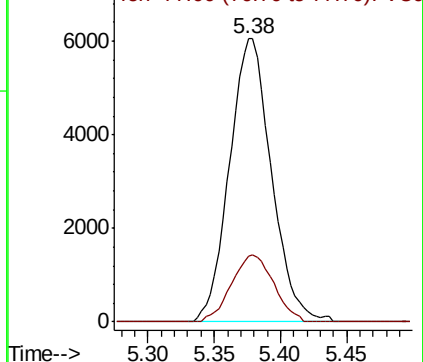


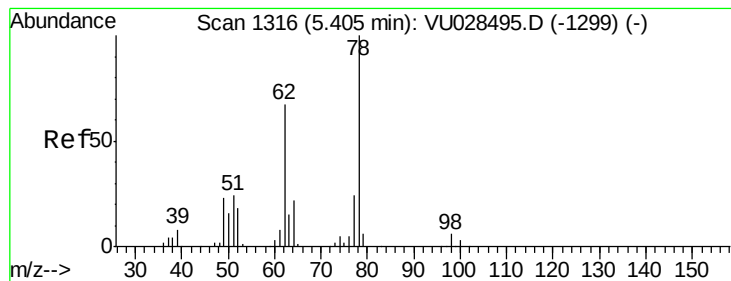
#40
Benzene
Concen: 1.604 ug/l
RT: 5.38 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 78 Resp: 13320
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

1,2-Dichloroethane

Concen: 11.123 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

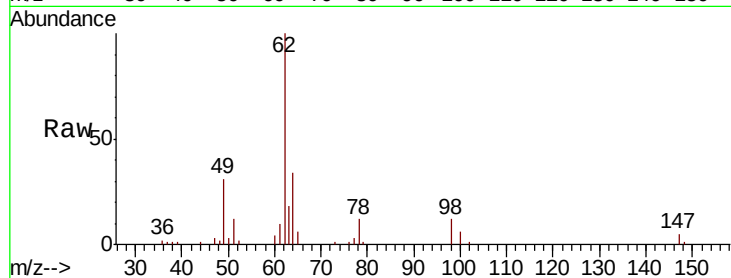
P001-SS019-1824-01ME

Tgt Ion: 62 Resp: 32338

Ion Ratio Lower Upper

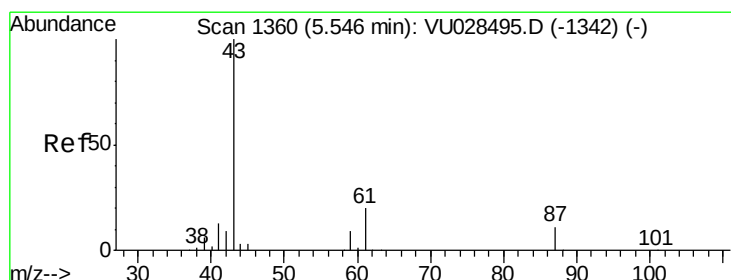
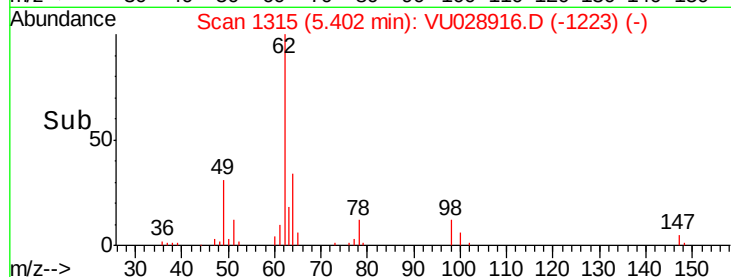
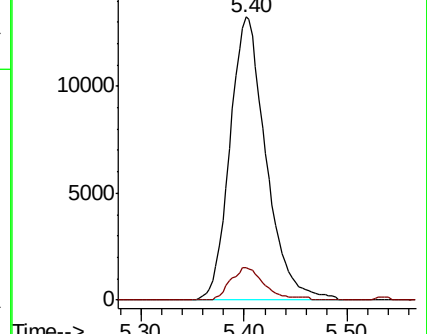
62 100

98 10.7 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#43

Isopropyl Acetate

Concen: 0.328 ug/l

RT: 5.51 min Scan# 1349

Delta R.T. -0.04 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

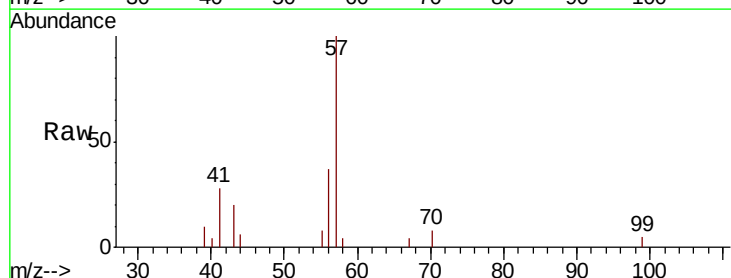
Tgt Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

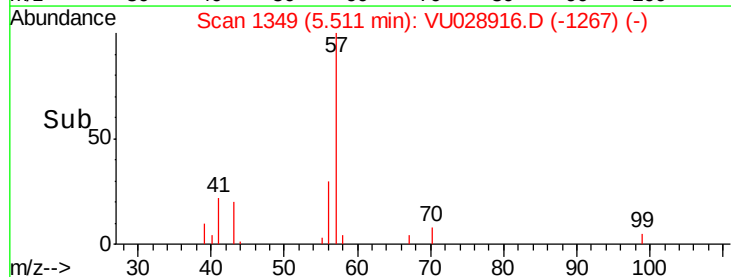
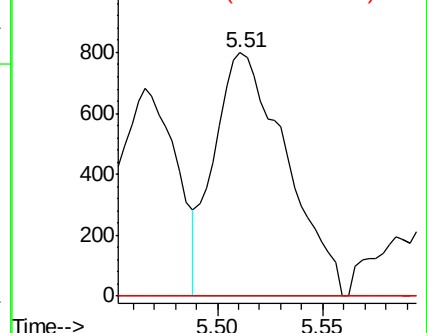
87 0.0 8.7 13.1#

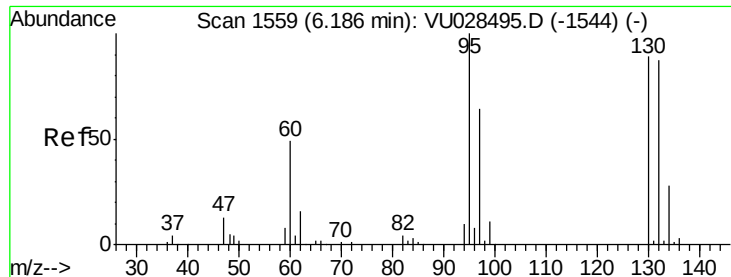


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#44

Trichloroethene

Concen: 1.533 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

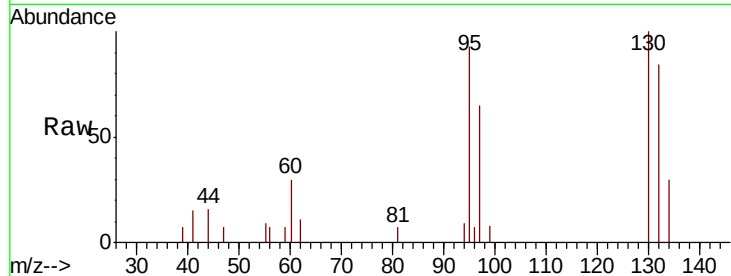
P001-SS019-1824-01ME

Tgt Ion:130 Resp: 2831

Ion Ratio Lower Upper

130 100

95 93.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)

6.18

1500

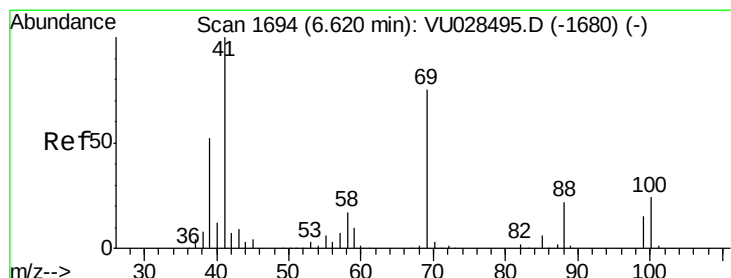
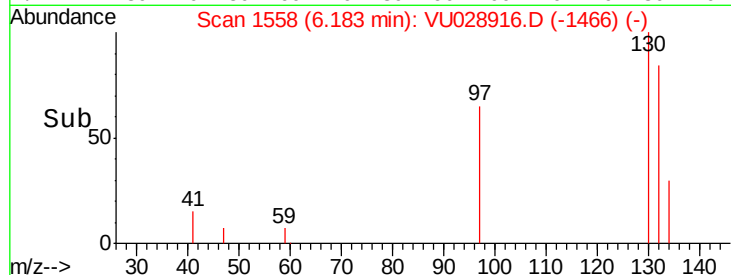
1000

500

0

6.15 6.20 6.25

Time-->



#48

Methyl methacrylate

Concen: 0.668 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

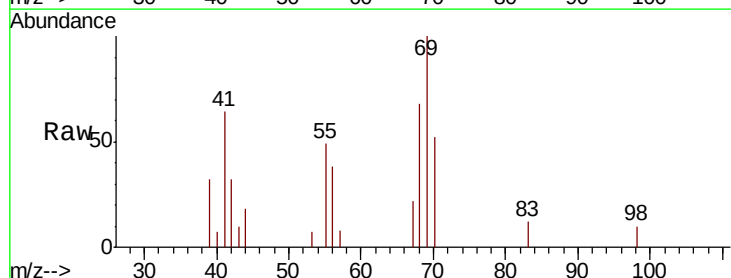
Tgt Ion: 41 Resp: 1915

Ion Ratio Lower Upper

41 100

69 203.0 60.4 90.6#

39 54.9 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

2500

2000

1500

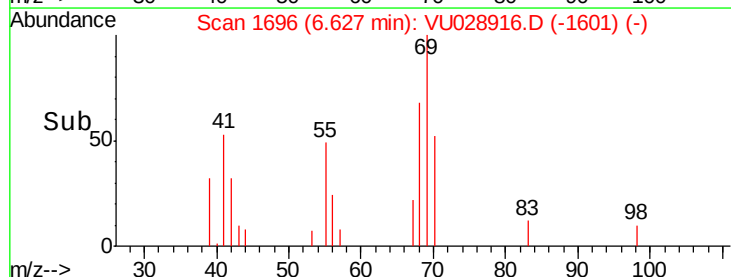
1000

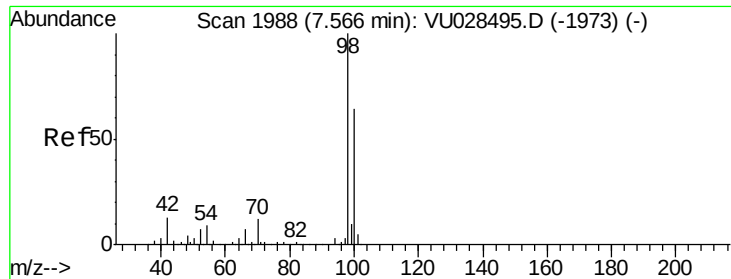
500

0

6.60 6.65

Time-->

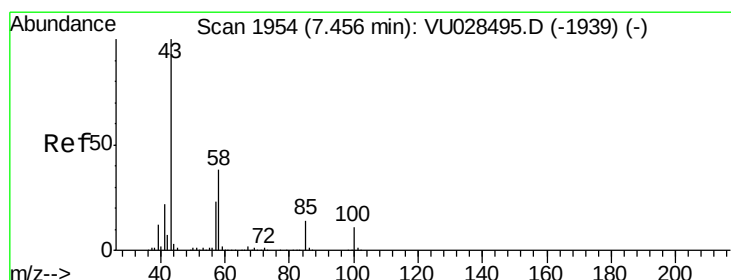
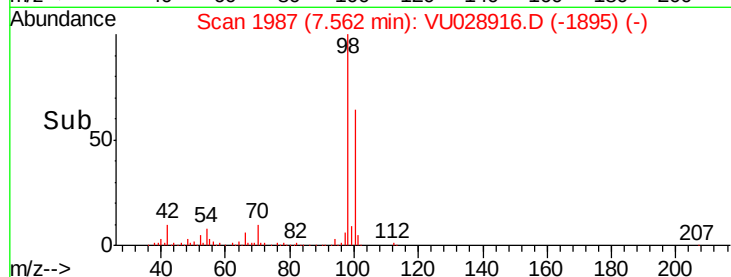
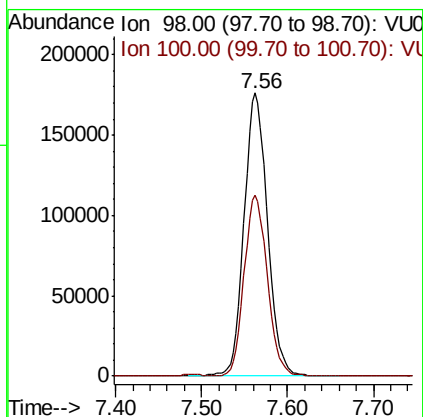
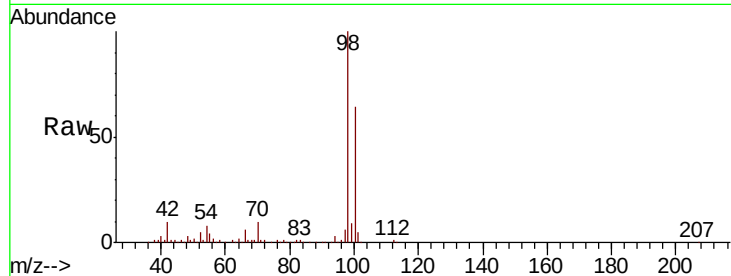




#50
Toluene-d8
Concen: 51.926 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

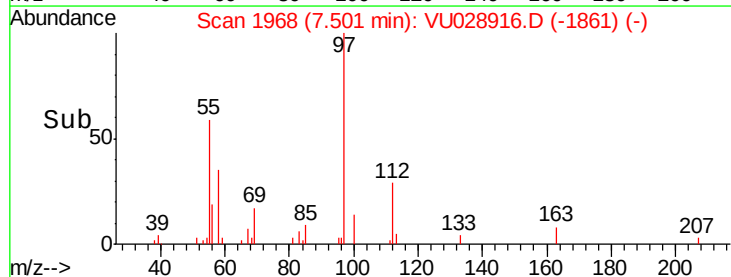
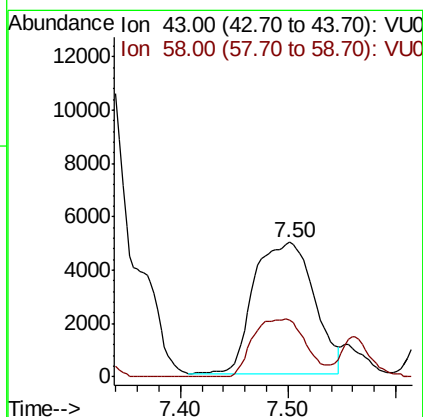
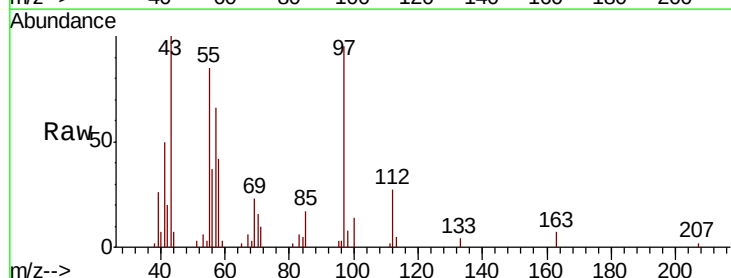
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

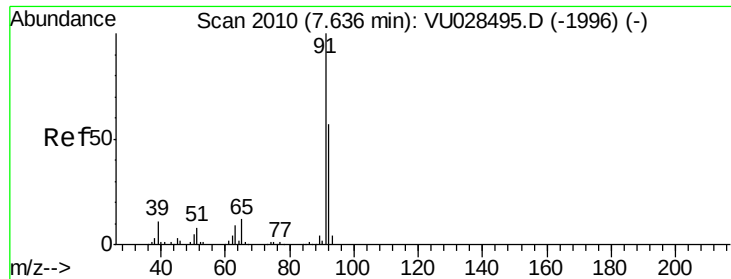
Tgt Ion: 98 Resp: 333134
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 5.240 ug/l
RT: 7.50 min Scan# 1968
Delta R.T. 0.04 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 43 Resp: 19058
Ion Ratio Lower Upper
43 100
58 38.8 30.2 45.2





#52

Toluene

Concen: 121.619 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

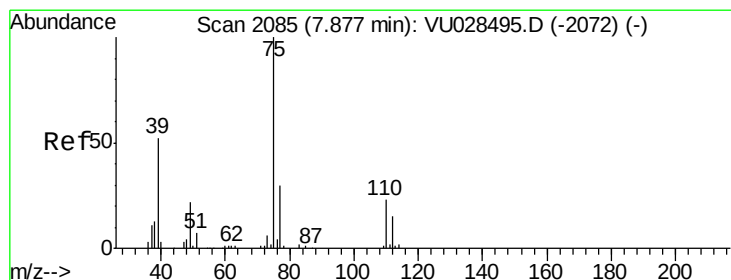
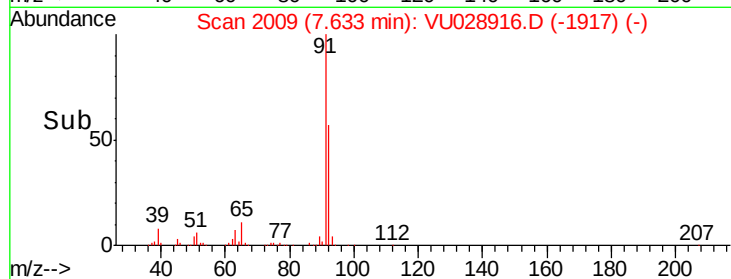
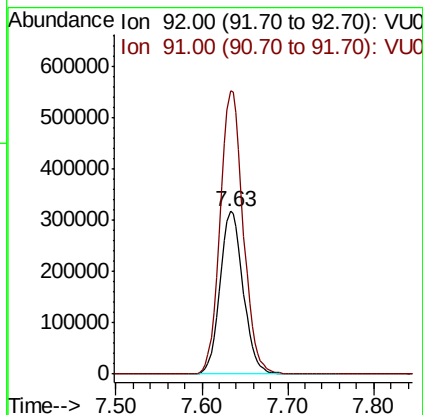
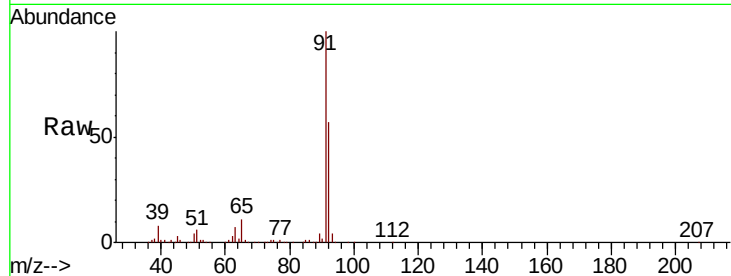
P001-SS019-1824-01ME

Tgt Ion: 92 Resp: 594501

Ion Ratio Lower Upper

92 100

91 173.8 140.2 210.4



#53

t-1,3-Dichloropropene

Concen: 1.896 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.24 min

Lab File: VU028916.D

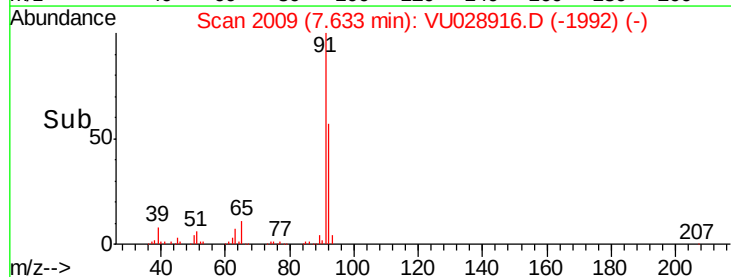
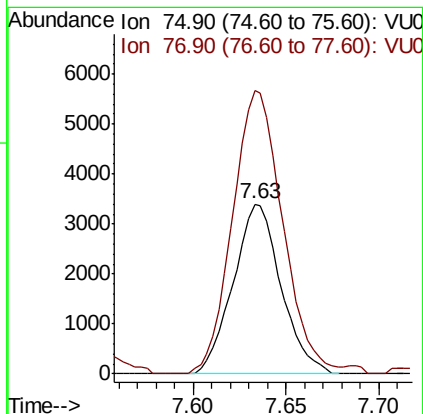
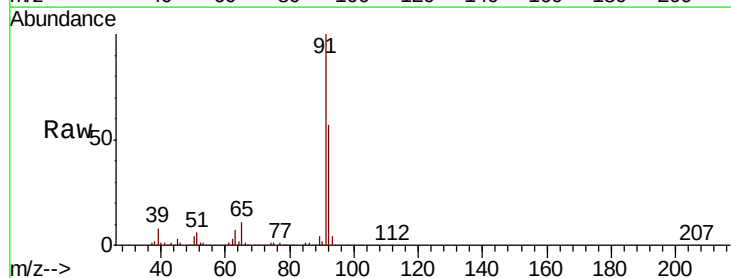
Acq: 22 Dec 2018 15:48

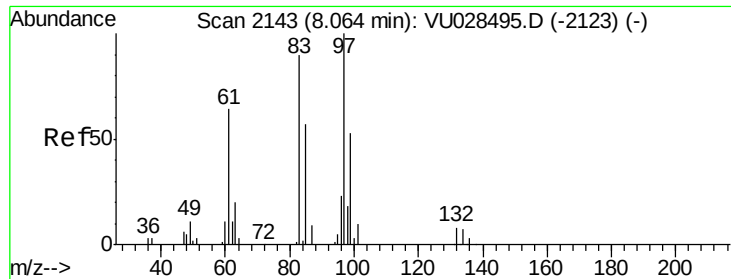
Tgt Ion: 75 Resp: 6089

Ion Ratio Lower Upper

75 100

77 166.8 24.2 36.4#

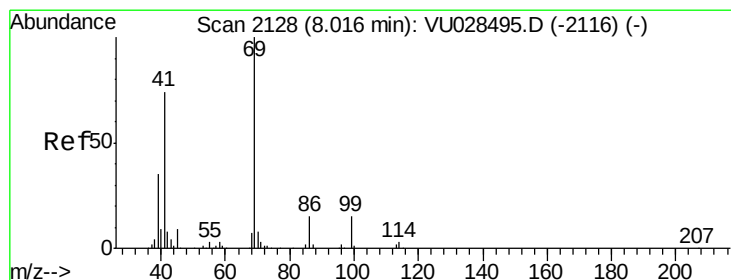
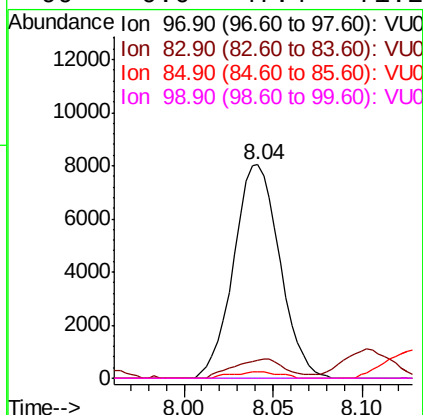
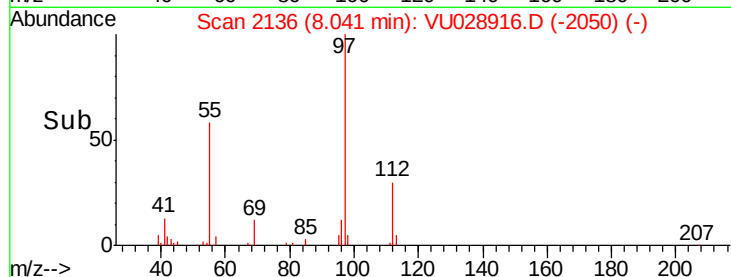
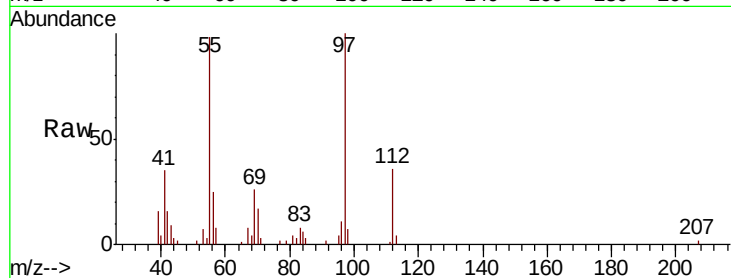




#55
 1,1,2-Trichloroethane
 Concen: 7.517 ug/l
 RT: 8.04 min Scan# 2136
 Delta R.T. -0.02 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

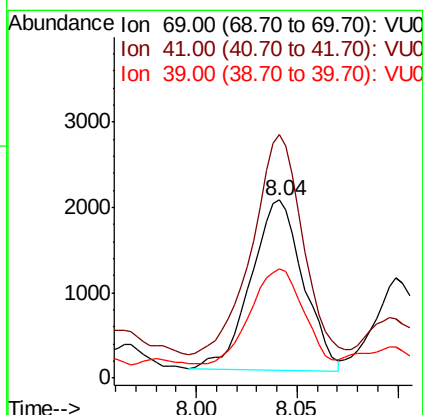
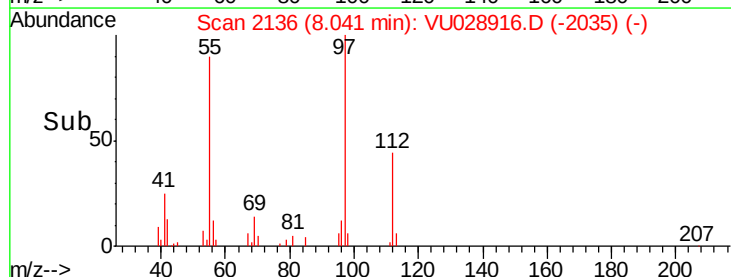
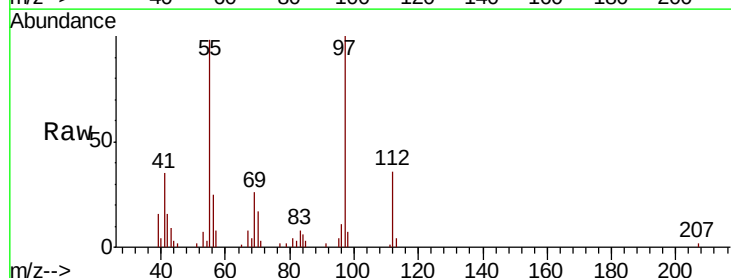
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

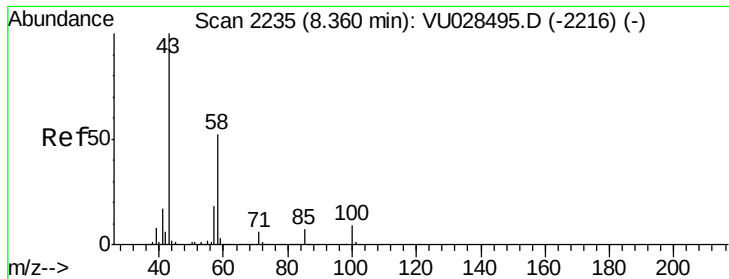
Tgt Ion: 97 Resp: 14524
 Ion Ratio Lower Upper
 97 100
 83 8.5 72.4 108.6#
 85 2.9 46.0 69.0#
 99 0.0 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 1.092 ug/l
 RT: 8.04 min Scan# 2136
 Delta R.T. 0.03 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion: 69 Resp: 3614
 Ion Ratio Lower Upper
 69 100
 41 123.4 59.1 88.7#
 39 55.4 28.4 42.6#

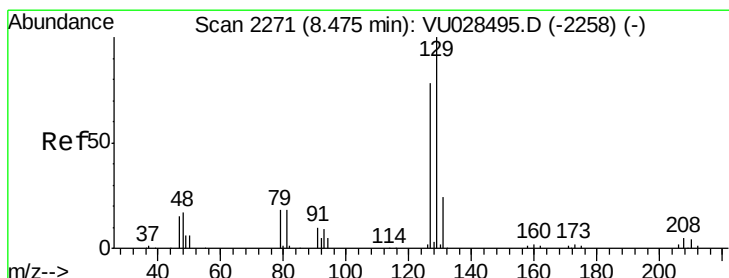
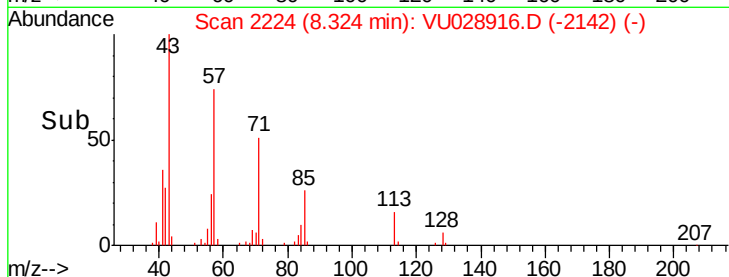
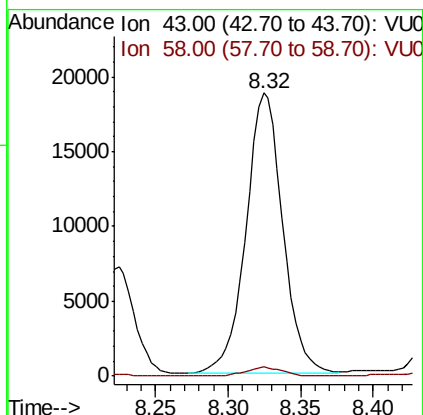
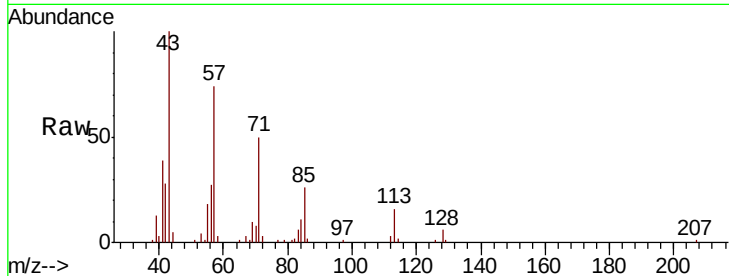




#59
2-Hexanone
Concen: 11.533 ug/l
RT: 8.32 min Scan# 2224
Delta R.T. -0.04 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

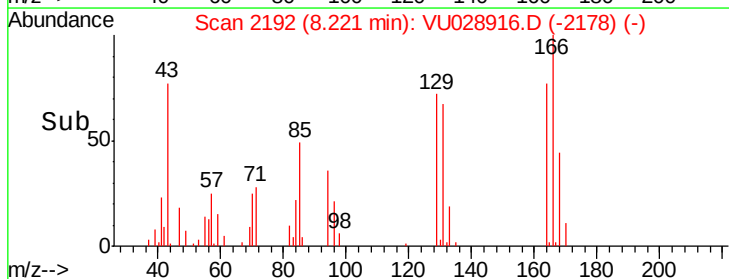
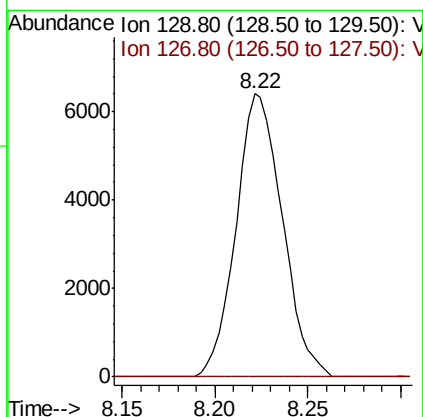
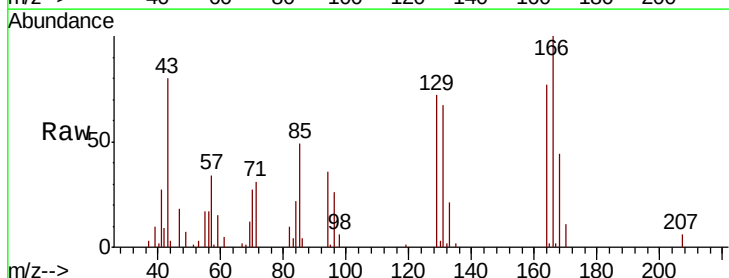
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

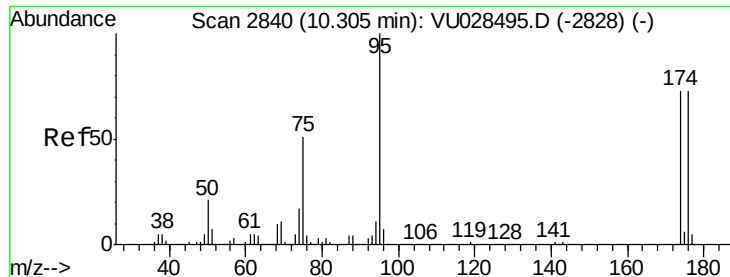
Tgt Ion: 43 Resp: 33246
Ion Ratio Lower Upper
43 100
58 3.1 25.9 77.6#



#60
Dibromochloromethane
Concen: 5.862 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.25 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 129 Resp: 11090
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

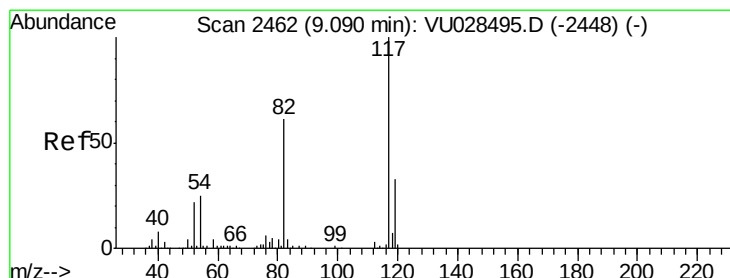
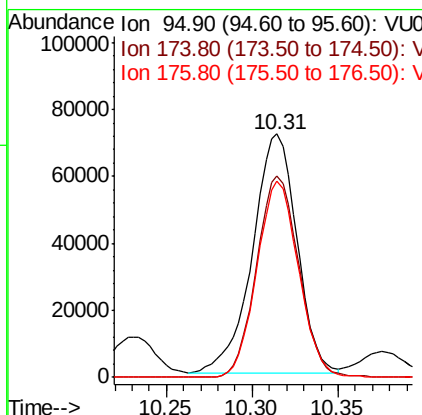
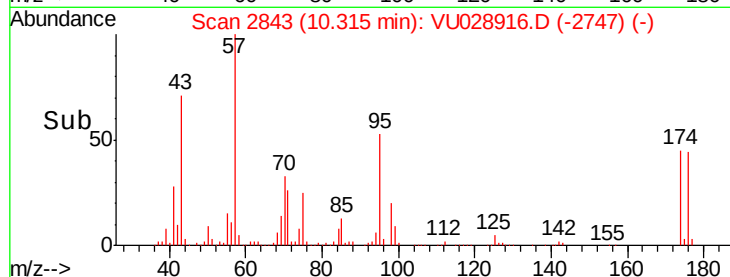
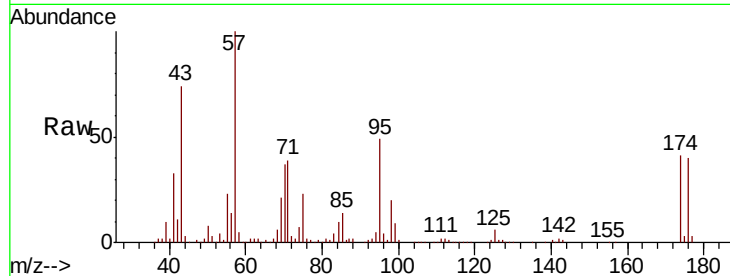




#62
4-Bromofluorobenzene
Concen: 53.643 ug/l
RT: 10.31 min Scan# 2843
Delta R.T. 0.01 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

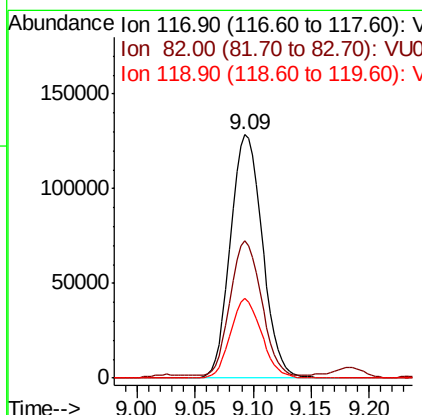
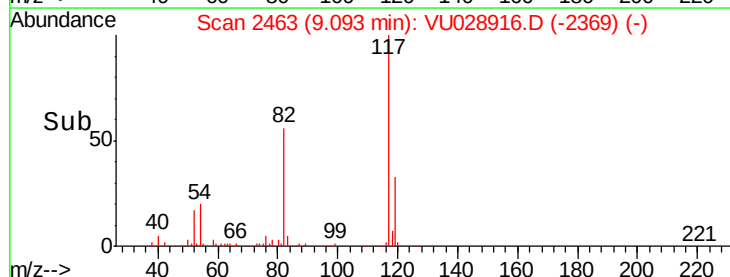
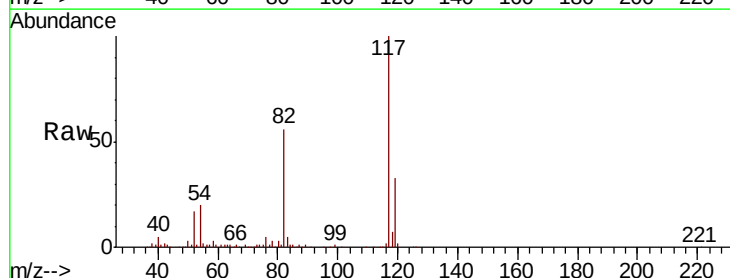
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

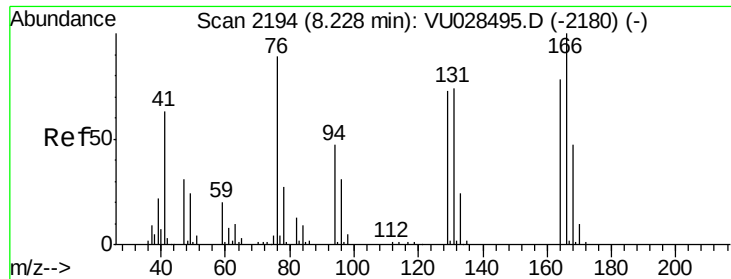
Tgt Ion: 95 Resp: 128631
Ion Ratio Lower Upper
95 100
174 79.9 0.0 150.4
176 76.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 117 Resp: 246086
Ion Ratio Lower Upper
117 100
82 54.9 48.9 73.3
119 32.5 26.2 39.4





#64

Tetrachloroethene

Concen: 7.365 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

Tgt Ion:164 Resp: 12089

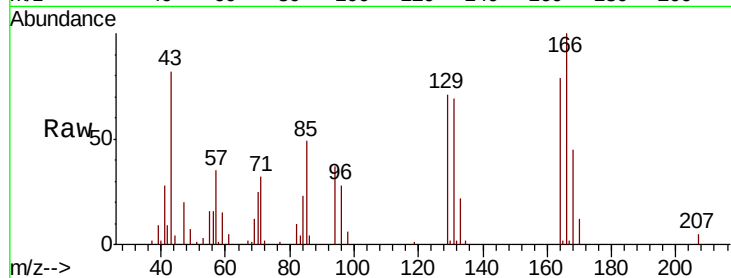
Ion Ratio Lower Upper

164 100

166 126.5 101.9 152.9

129 89.9 74.9 112.3

131 87.8 75.4 113.0

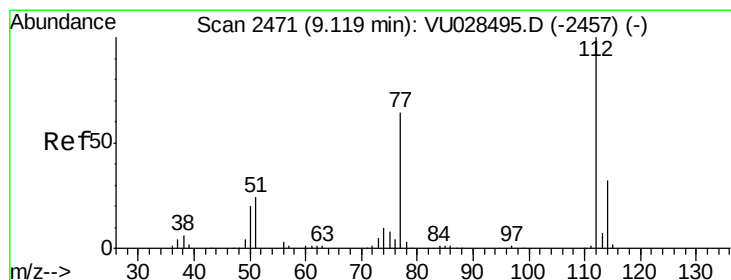
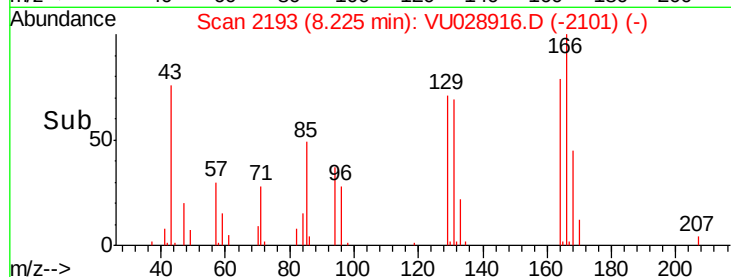
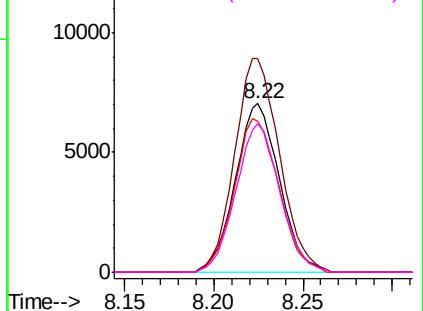


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.425 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU028916.D

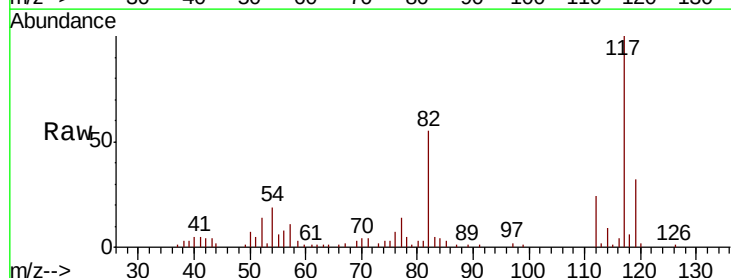
Acq: 22 Dec 2018 15:48

Tgt Ion:112 Resp: 7470

Ion Ratio Lower Upper

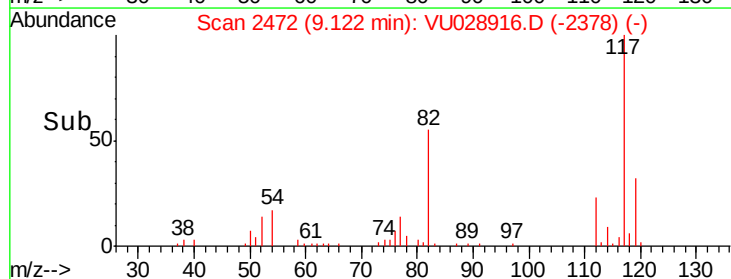
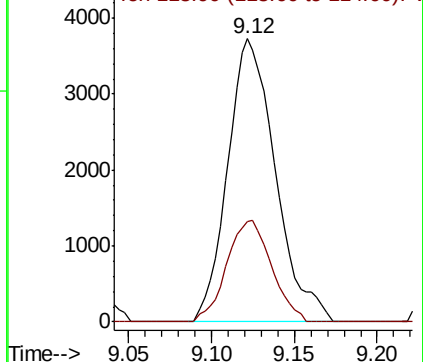
112 100

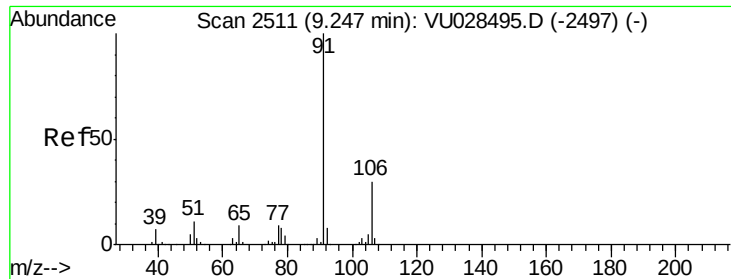
114 35.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

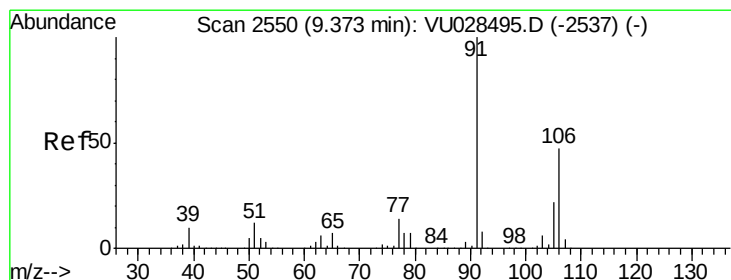
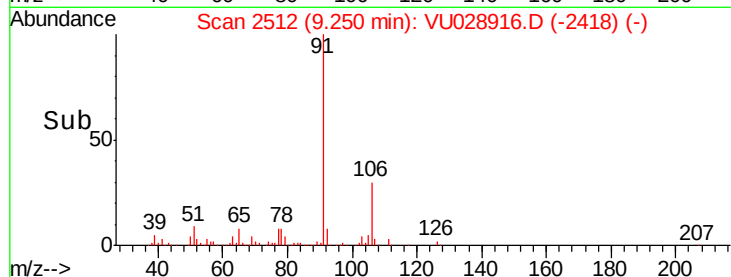
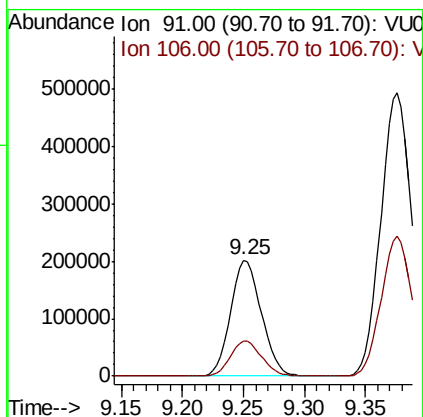
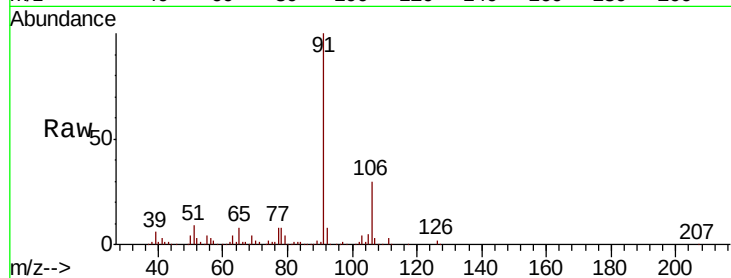




#67
Ethyl Benzene
Concen: 36.784 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

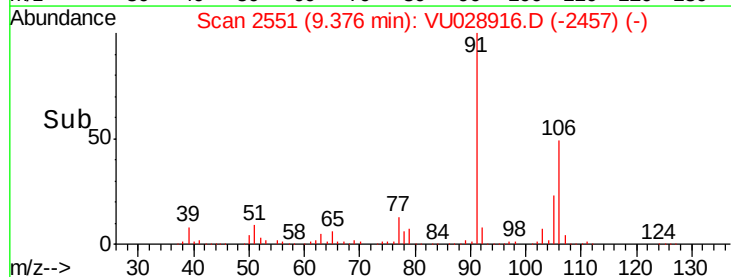
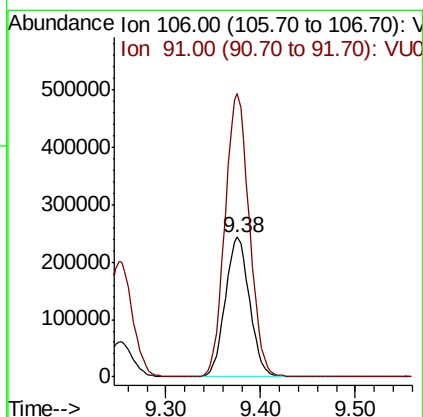
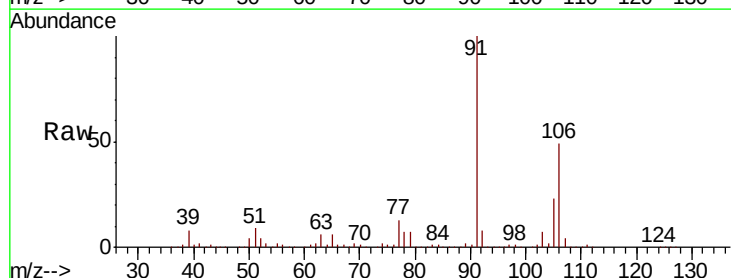
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

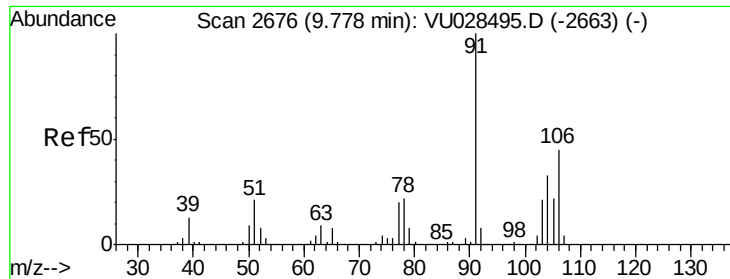
Tgt Ion: 91 Resp: 354596
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1



#68
m/p-Xylenes
Concen: 124.156 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 106 Resp: 435501
Ion Ratio Lower Upper
106 100
91 201.7 167.4 251.0

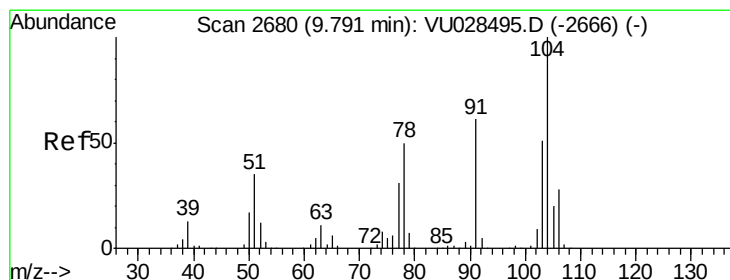
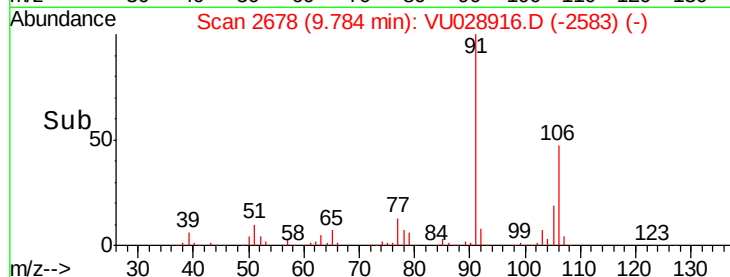
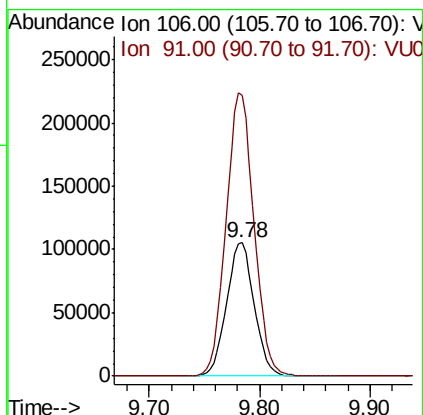
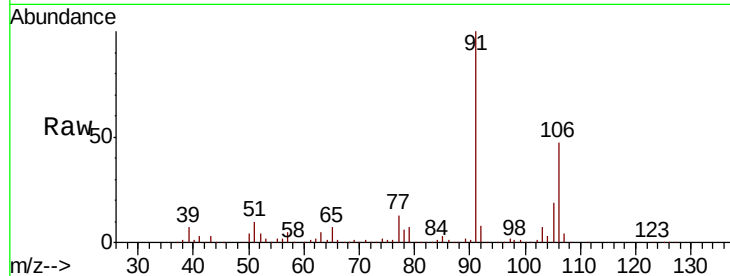




#69
o-Xylene
Concen: 53.605 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

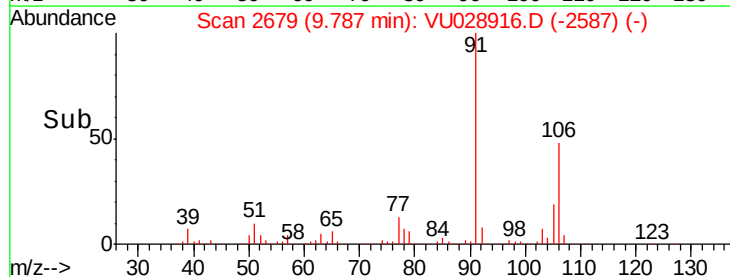
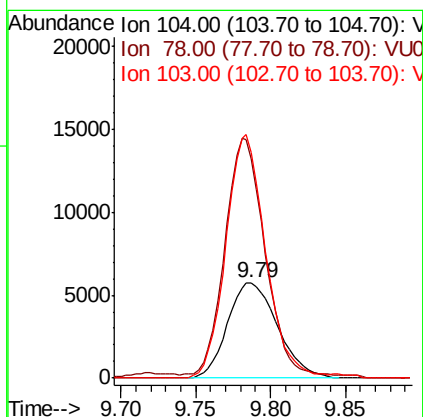
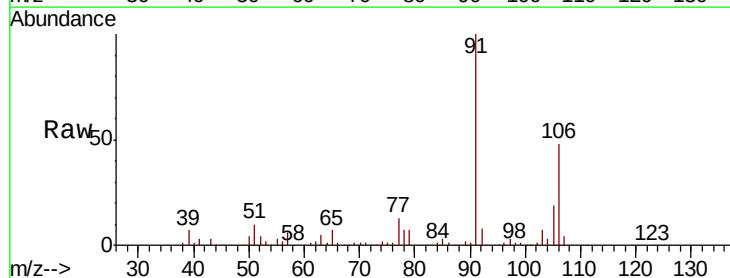
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

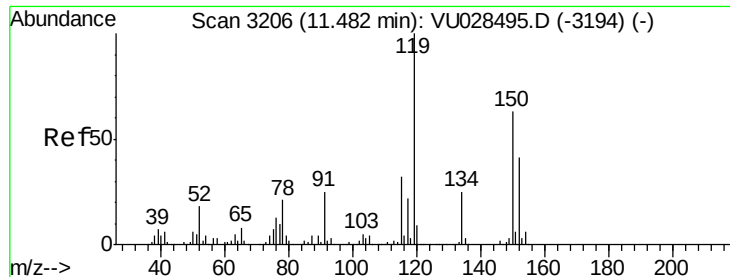
Tgt Ion:106 Resp: 182728
Ion Ratio Lower Upper
106 100
91 213.3 111.3 334.0



#70
Styrene
Concen: 2.368 ug/l
RT: 9.79 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion:104 Resp: 13359
Ion Ratio Lower Upper
104 100
78 206.3 43.0 64.6#
103 203.6 44.2 66.4#

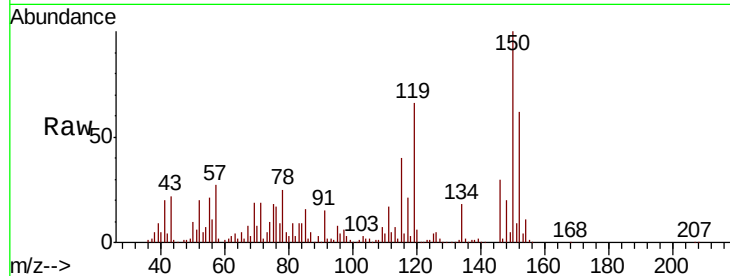




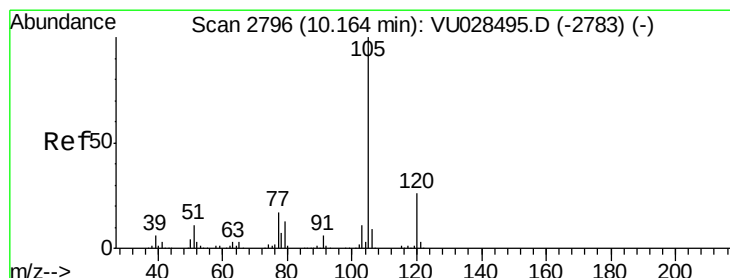
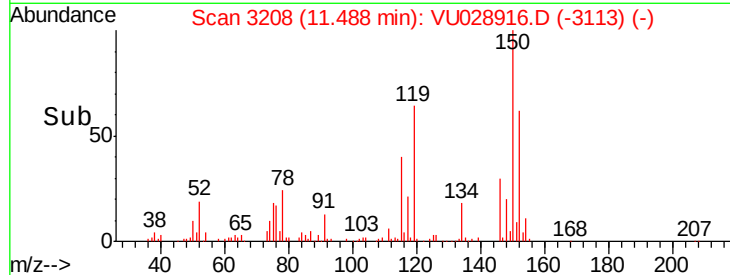
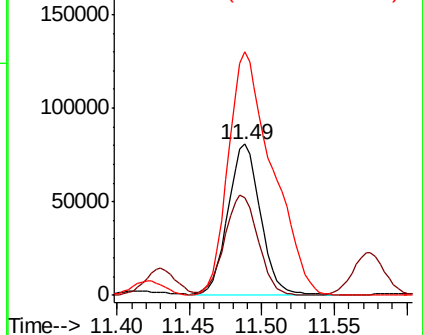
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion:152 Resp: 125089
 Ion Ratio Lower Upper
 152 100
 115 68.1 42.7 128.1
 150 219.5 0.0 346.0

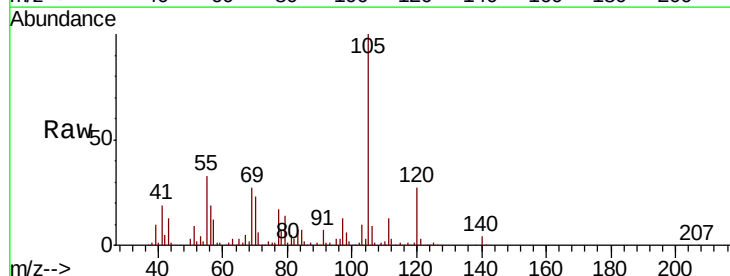


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

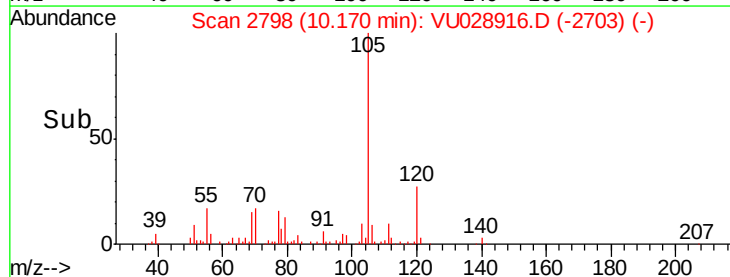
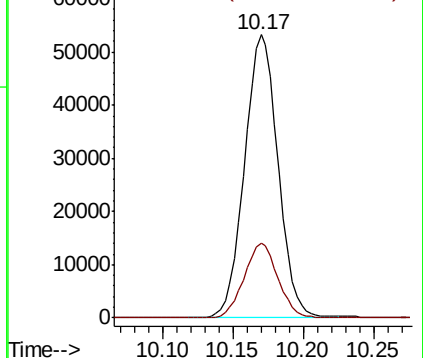


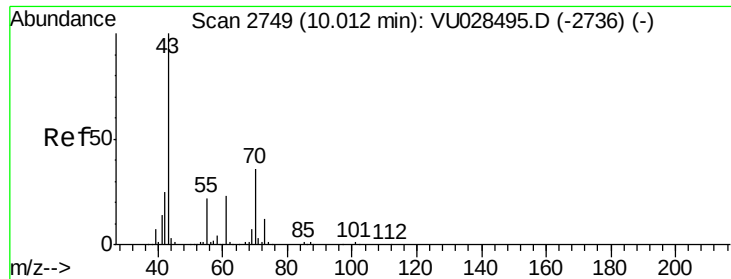
#73
 Isopropylbenzene
 Concen: 9.243 ug/l
 RT: 10.17 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion:105 Resp: 88718
 Ion Ratio Lower Upper
 105 100
 120 26.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

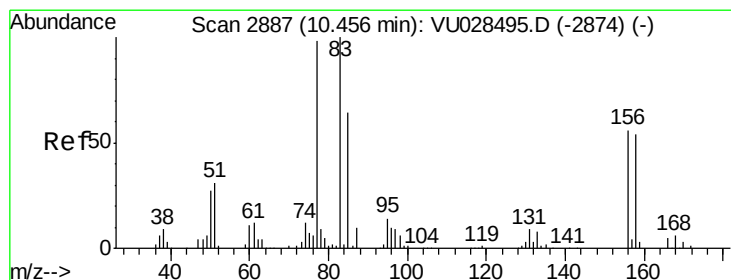
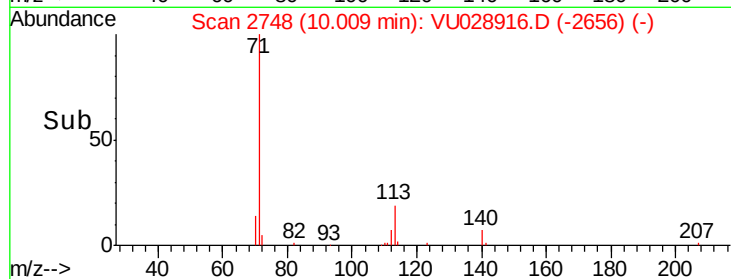
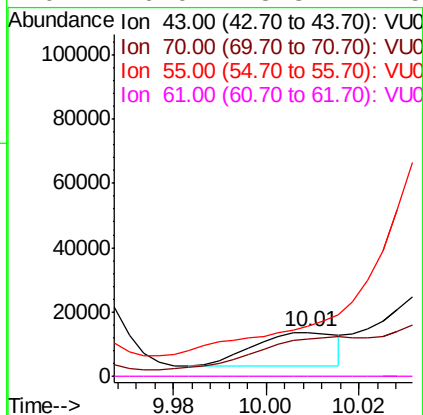
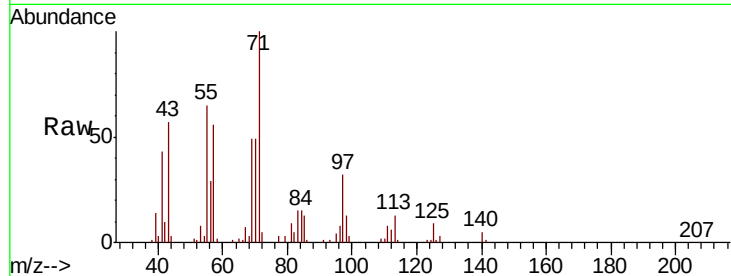




#74
N-ethyl acetate
Concen: 2.433 ug/l
RT: 10.01 min Scan# 2748
Delta R.T. -0.00 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

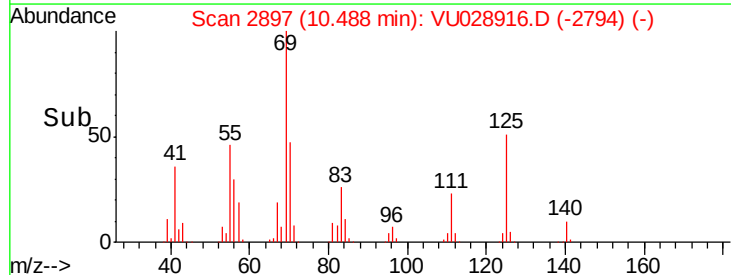
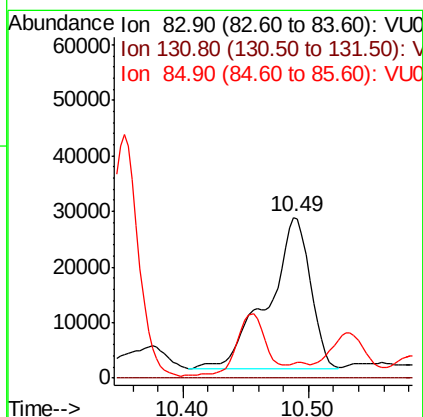
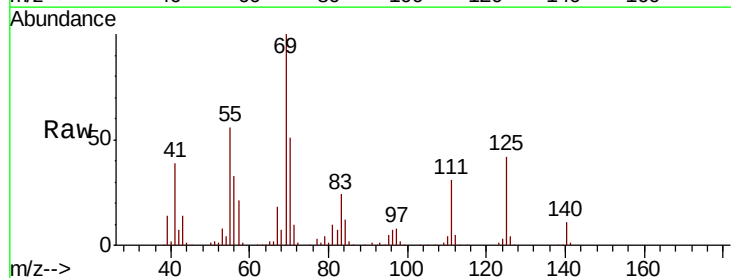
Instrument :
MSVOA_U
ClientSampleId :
P001-SS019-1824-01ME

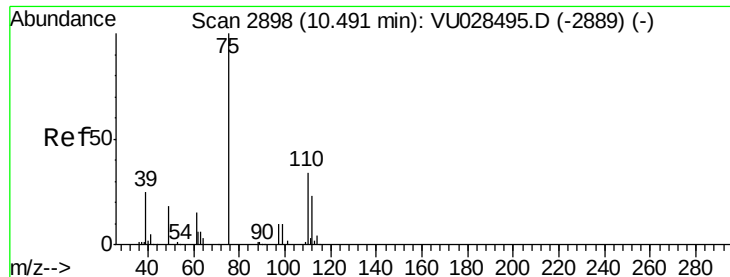
Tgt Ion: 43 Resp: 13469
Ion Ratio Lower Upper
43 100
70 123.8 29.3 43.9#
55 0.0 18.0 27.0#
61 0.0 18.3 27.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 17.393 ug/l
RT: 10.49 min Scan# 2897
Delta R.T. 0.03 min
Lab File: VU028916.D
Acq: 22 Dec 2018 15:48

Tgt Ion: 83 Resp: 64130
Ion Ratio Lower Upper
83 100
131 0.0 4.2 12.4#
85 0.0 31.8 95.4#





#76

1,2,3-Trichloropropane

Concen: 0.680 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.10 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

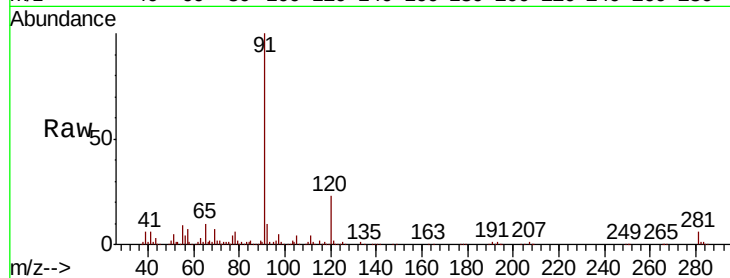
P001-SS019-1824-01ME

Tgt Ion: 75 Resp: 2171

Ion Ratio Lower Upper

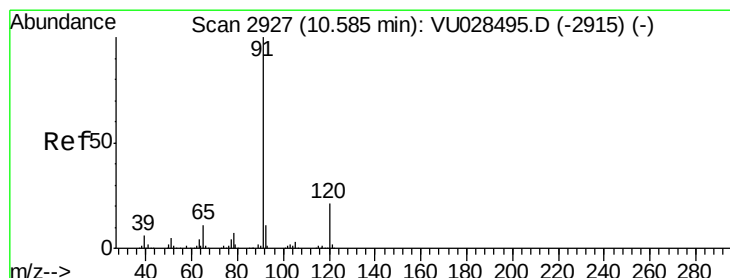
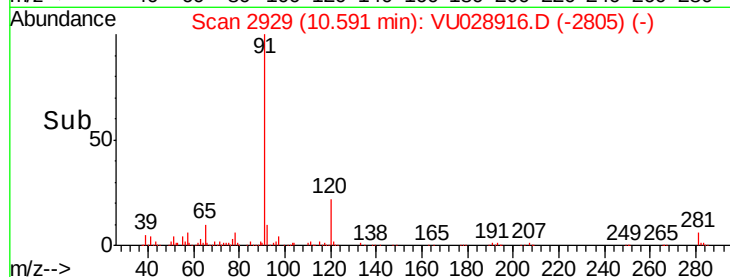
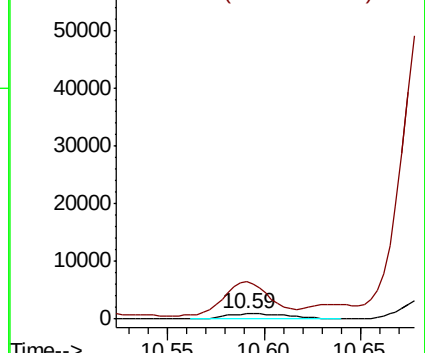
75 100

77 477.4 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 21.931 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.01 min

Lab File: VU028916.D

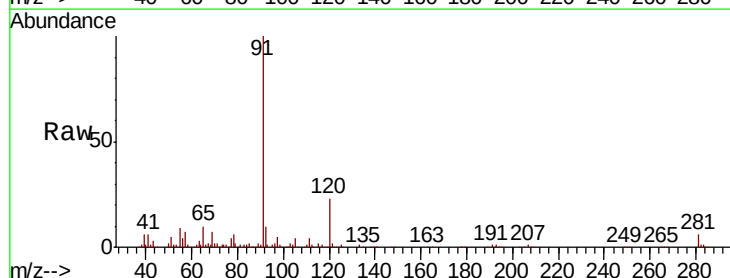
Acq: 22 Dec 2018 15:48

Tgt Ion: 91 Resp: 261576

Ion Ratio Lower Upper

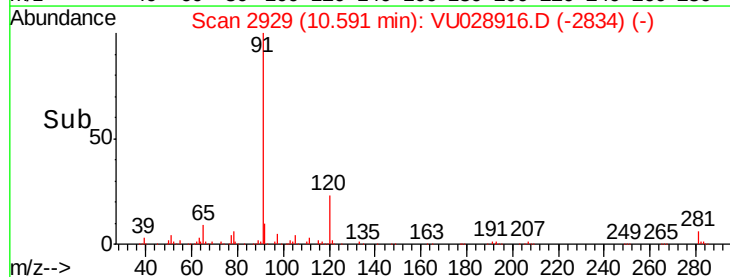
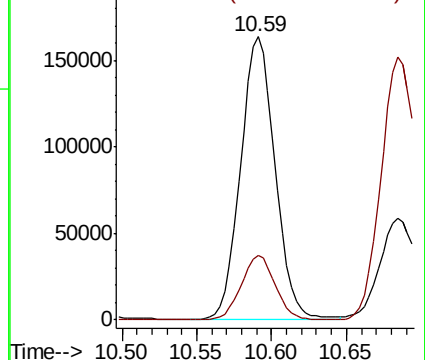
91 100

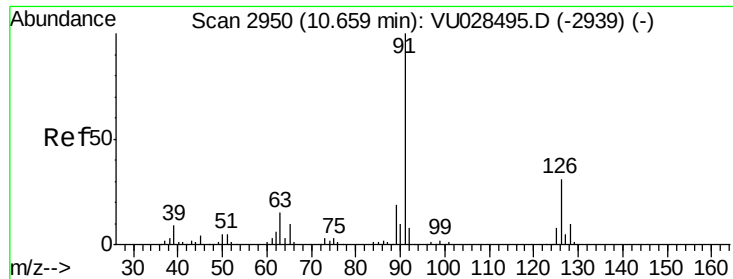
120 22.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

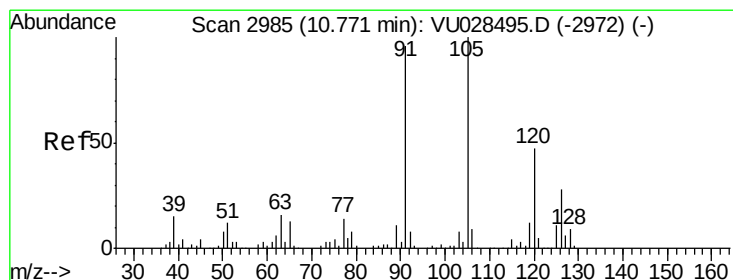
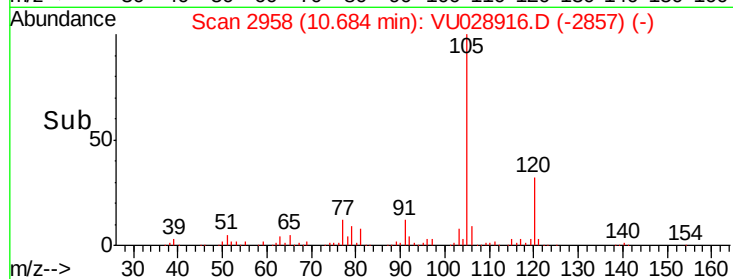
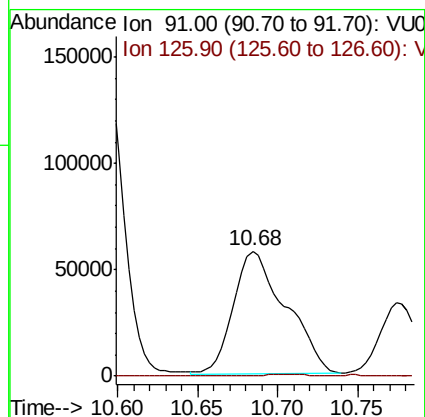
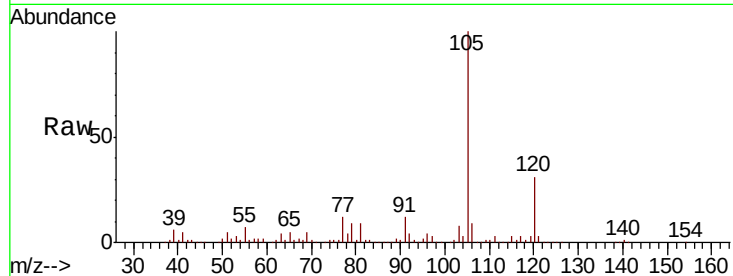




#79
 2-Chlorotoluene
 Concen: 18.736 ug/l
 RT: 10.68 min Scan# 2958
 Delta R.T. 0.03 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

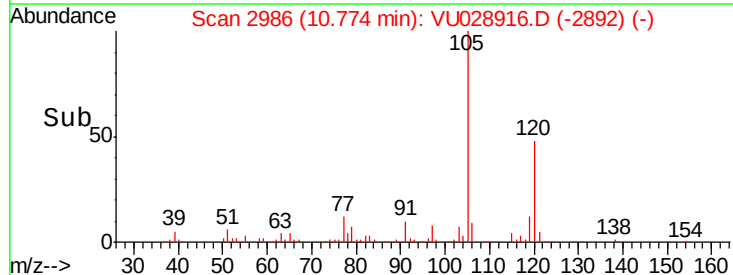
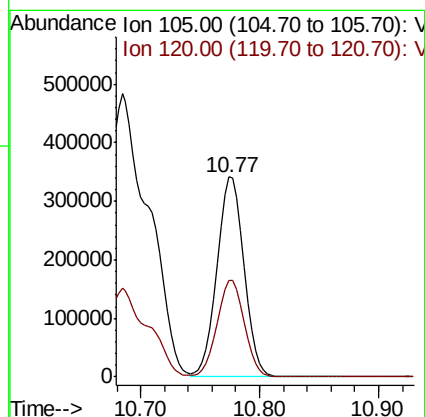
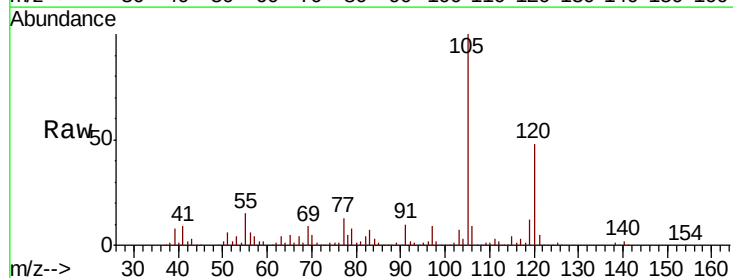
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

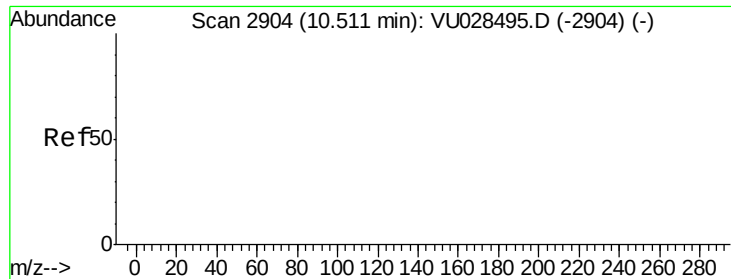
Tgt Ion: 91 Resp: 128724
 Ion Ratio Lower Upper
 91 100
 126 0.3 15.6 46.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 67.647 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion: 105 Resp: 537479
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 2.177 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.08 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

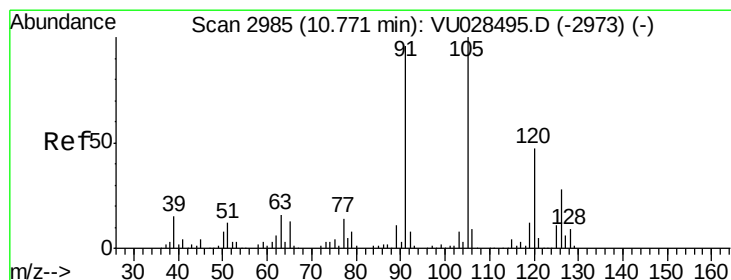
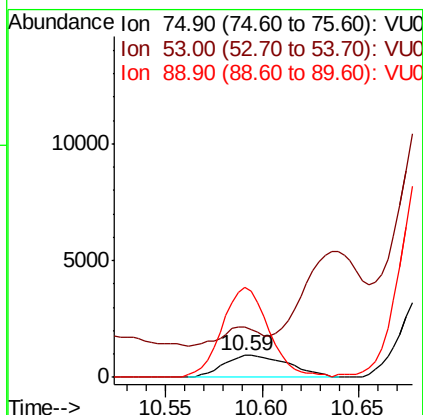
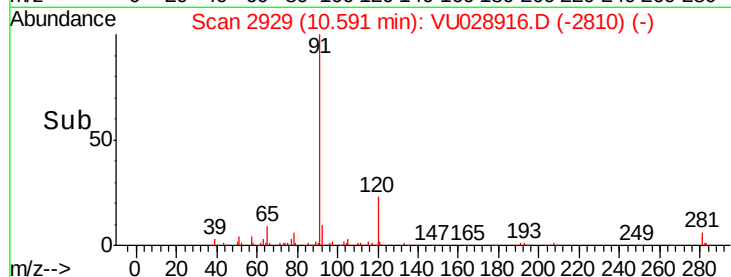
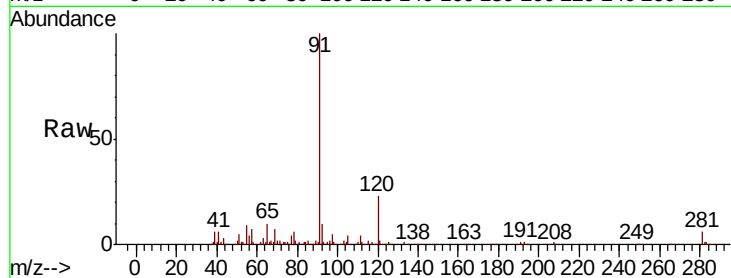
Tgt Ion: 75 Resp: 2171

Ion Ratio Lower Upper

75 100

53 54.2 0.0 0.0#

89 298.6 0.0 0.0#



#82

4-Chlorotoluene

Concen: 6.308 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028916.D

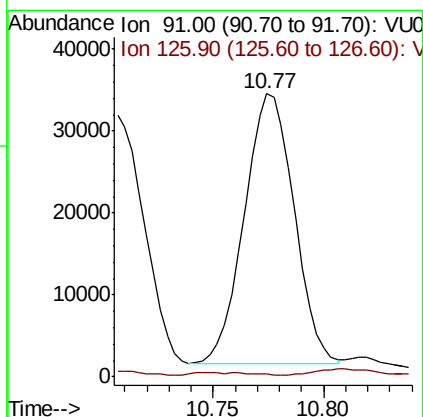
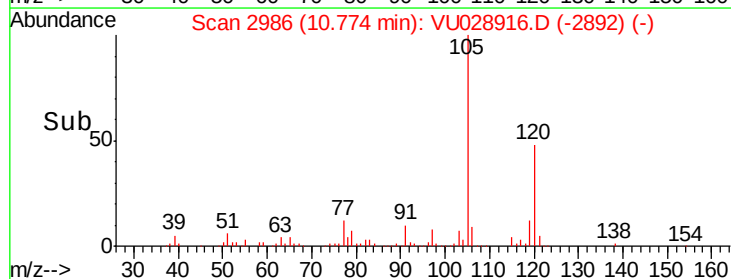
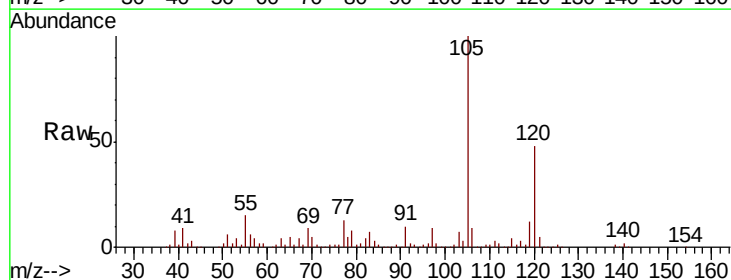
Acq: 22 Dec 2018 15:48

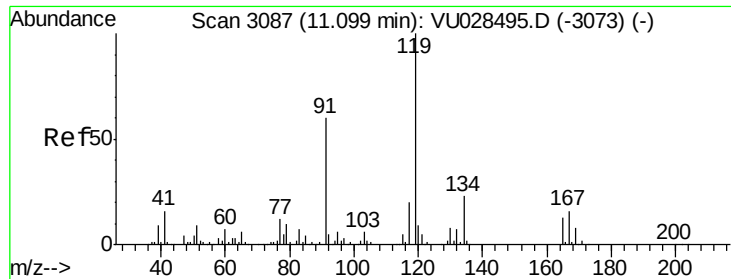
Tgt Ion: 91 Resp: 51355

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#

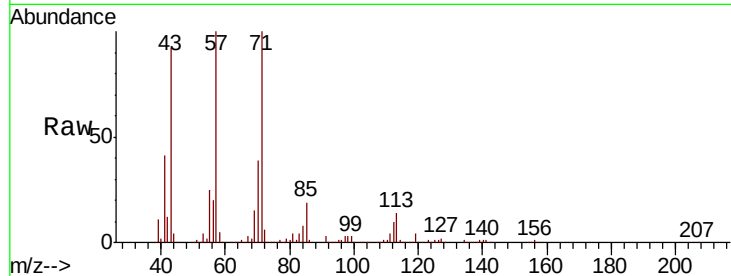




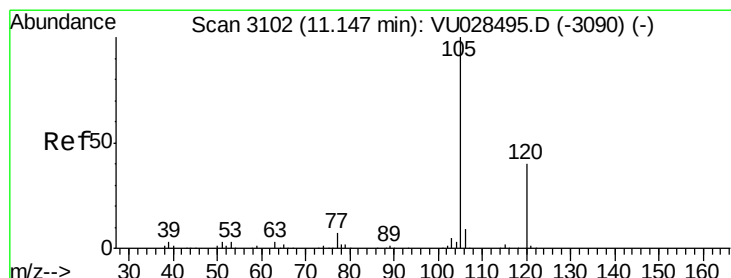
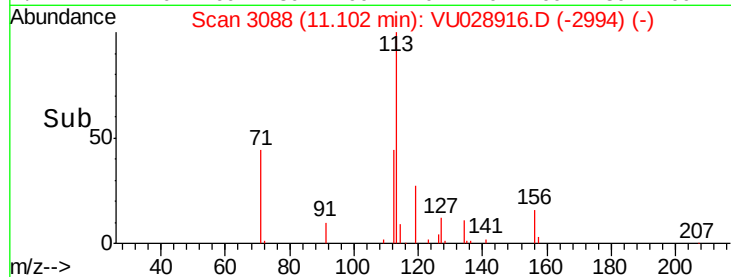
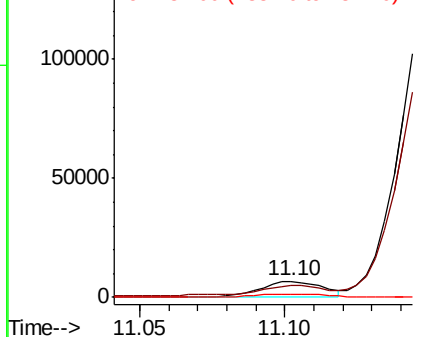
#83
 tert-Butylbenzene
 Concen: 1.316 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion:119 Resp: 10075
 Ion Ratio Lower Upper
 119 100
 91 68.8 30.3 91.0
 134 23.8 11.2 33.5

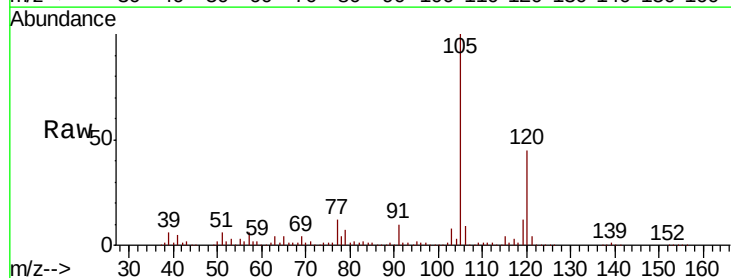


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

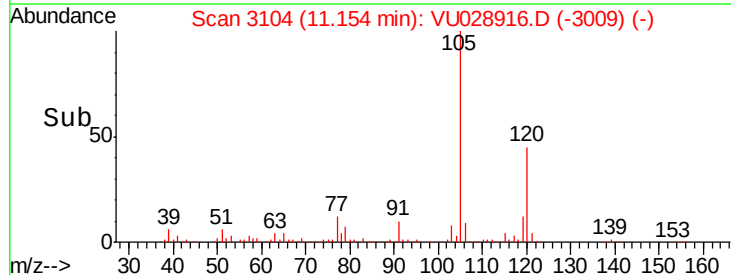
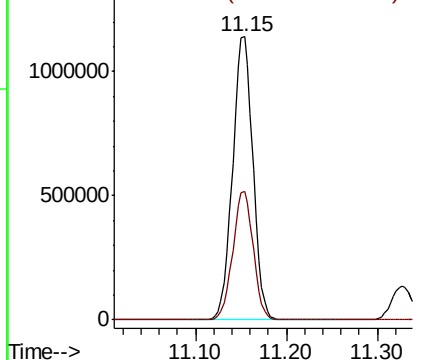


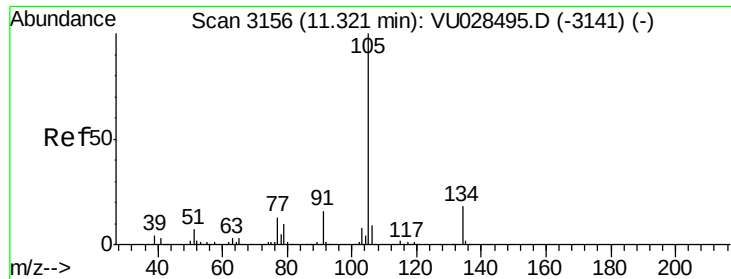
#84
 1,2,4-Trimethylbenzene
 Concen: 214.972 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion:105 Resp: 1760272
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

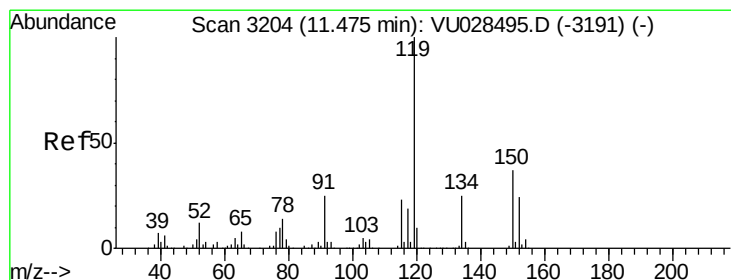
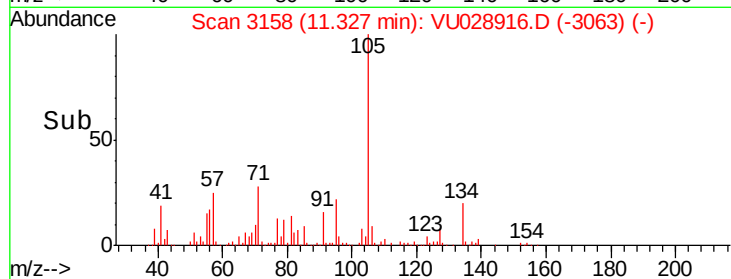
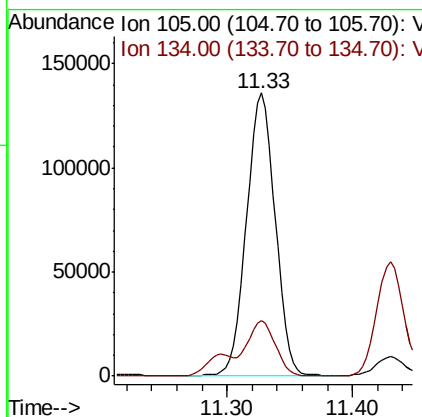
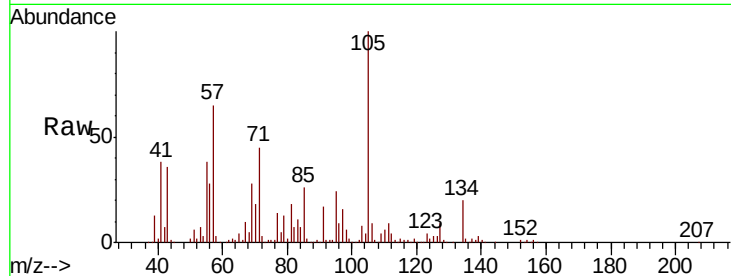




#85
 sec-Butylbenzene
 Concen: 21.850 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

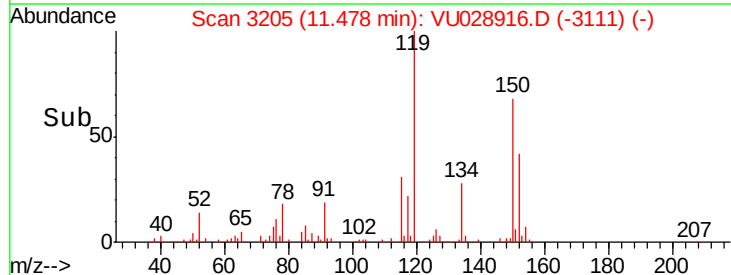
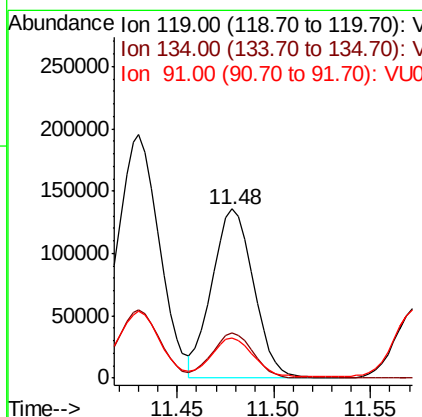
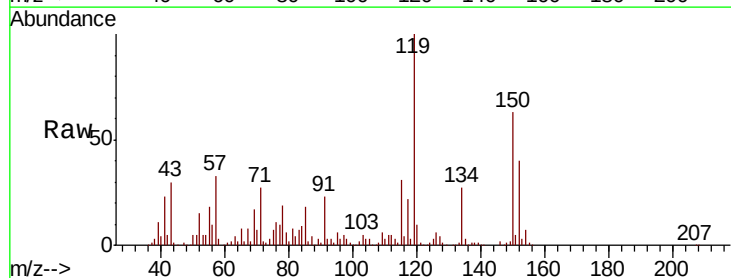
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

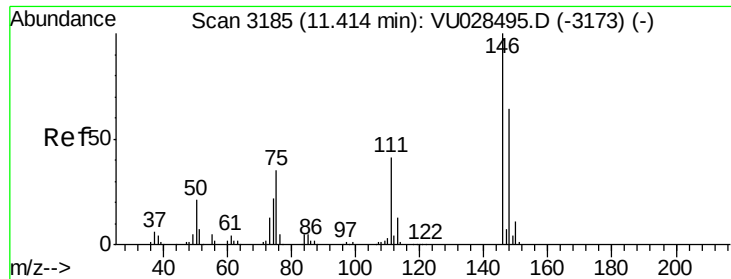
Tgt Ion:105 Resp: 214966
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 24.323 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion:119 Resp: 203279
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.7 38.1
 91 22.3 12.6 37.6

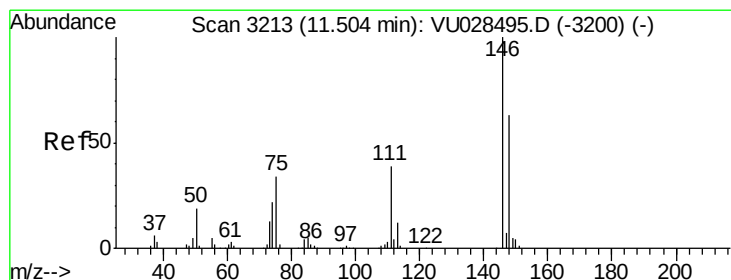
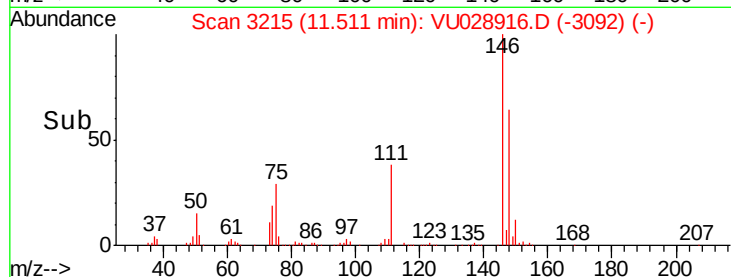
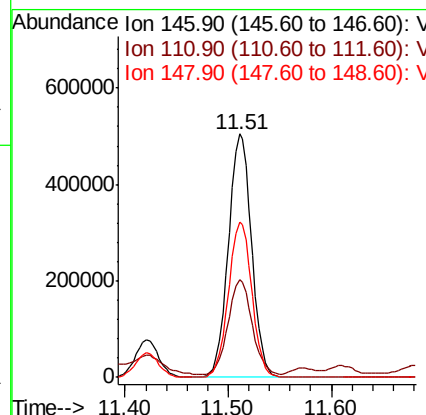
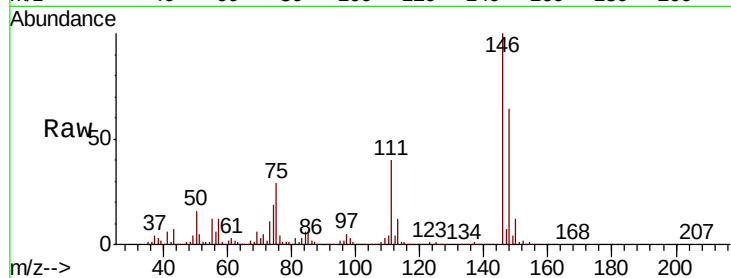




#87
 1,3-Dichlorobenzene
 Concen: 185.702 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.10 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

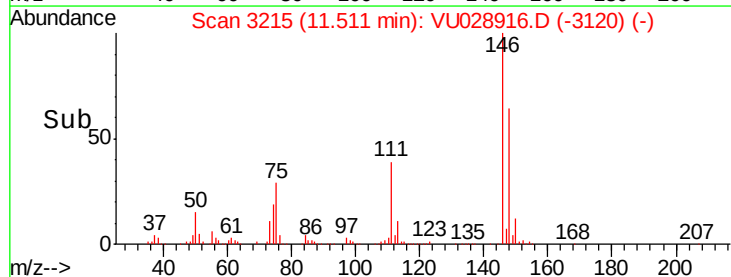
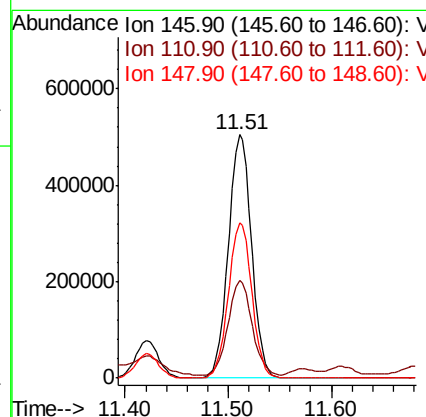
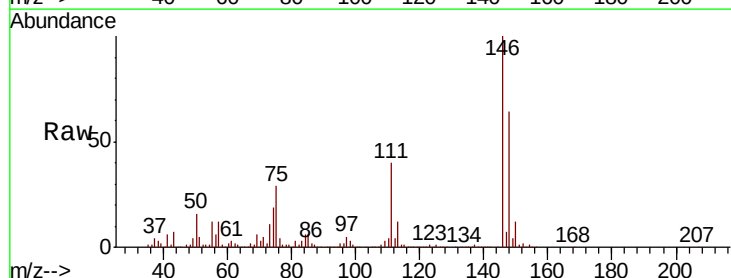
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

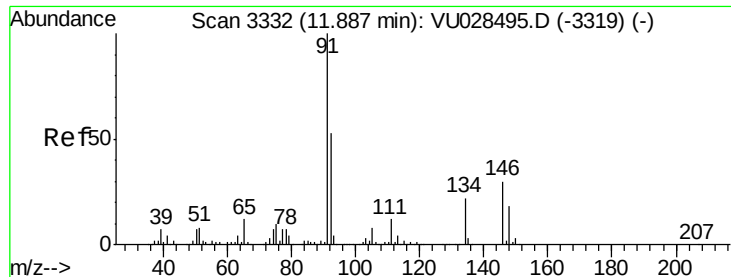
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	64.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 179.489 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	64.5	31.6	95.0





#89

n-Butylbenzene

Concen: 47.875 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028916.D

Acq: 22 Dec 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

P001-SS019-1824-01ME

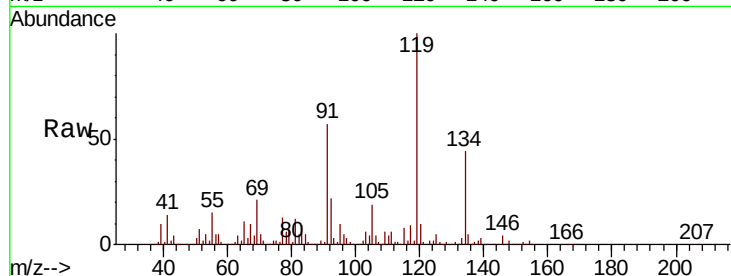
Tgt Ion: 91 Resp: 404926

Ion Ratio Lower Upper

91 100

92 34.9 26.3 78.9

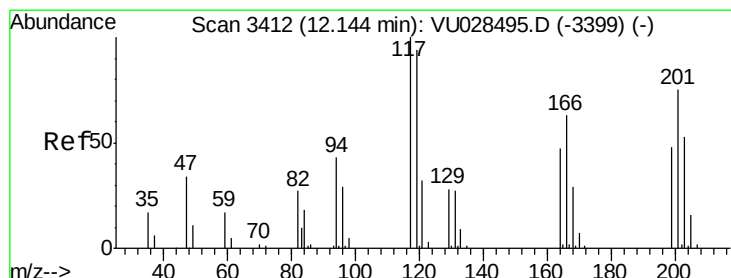
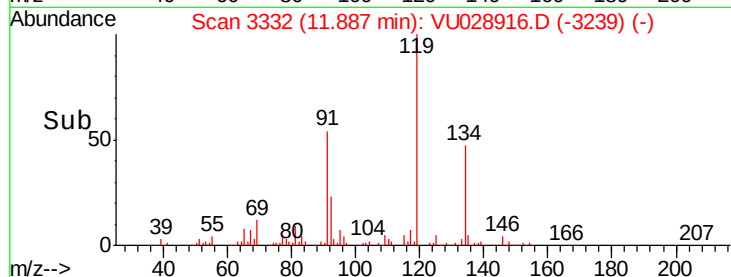
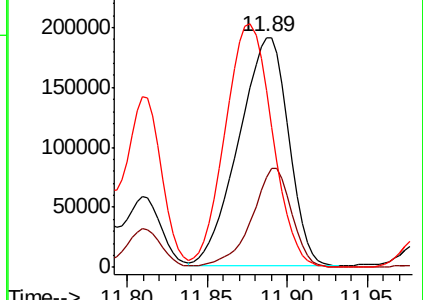
134 100.9 11.3 33.8#



Abundance Ion 91.00 (90.70 to 91.70): VU028916.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028916.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028916.D (-3319) (-)



#90

Hexachloroethane

Concen: 39.065 ug/l

RT: 12.15 min Scan# 3414

Delta R.T. 0.01 min

Lab File: VU028916.D

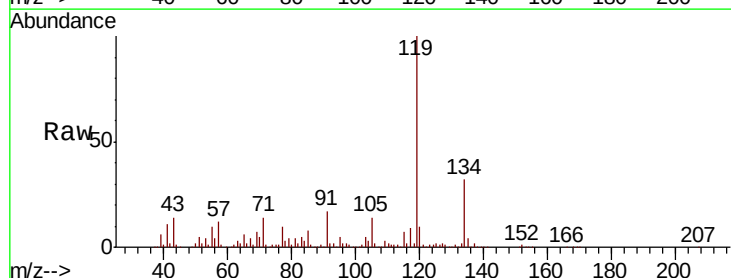
Acq: 22 Dec 2018 15:48

Tgt Ion: 117 Resp: 49346

Ion Ratio Lower Upper

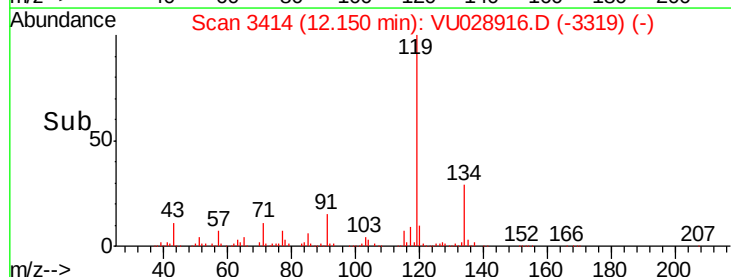
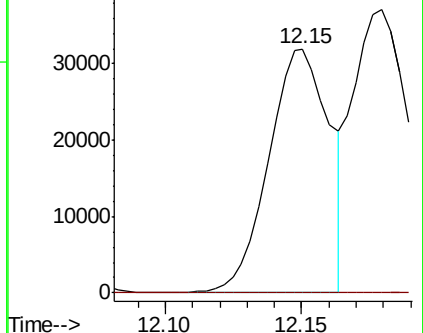
117 100

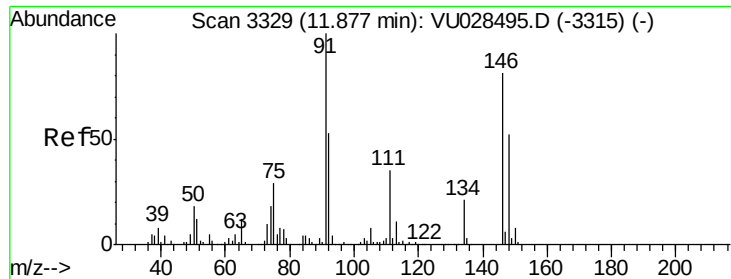
201 0.0 38.1 114.5#



Abundance Ion 116.80 (116.50 to 117.50): VU028916.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028916.D (-3319) (-)

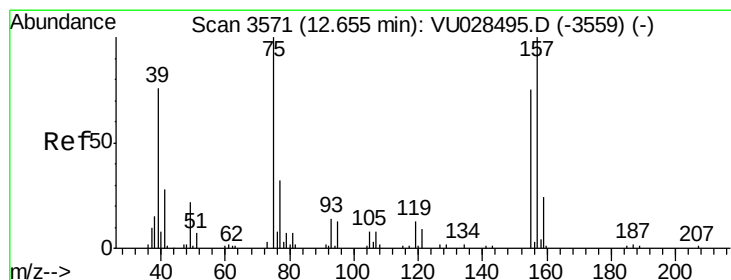
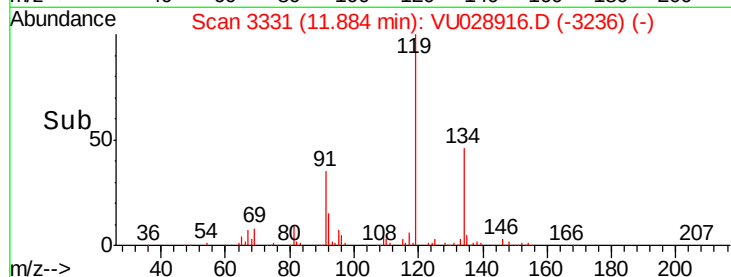
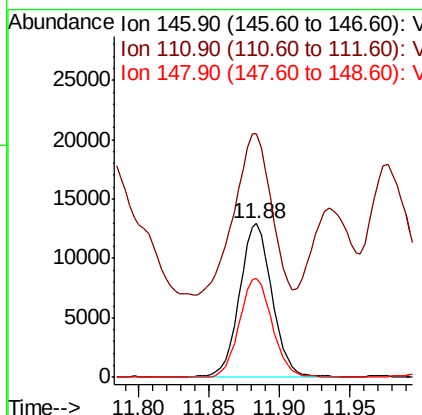
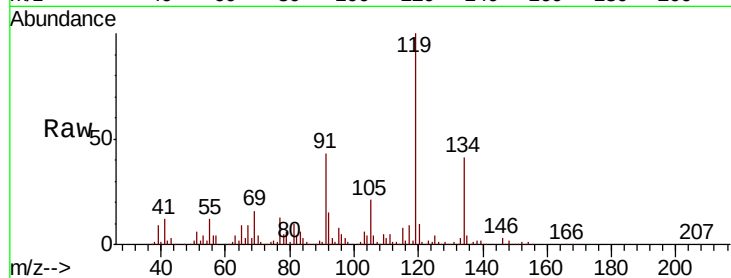




#91
 1,2-Dichlorobenzene
 Concen: 4.946 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

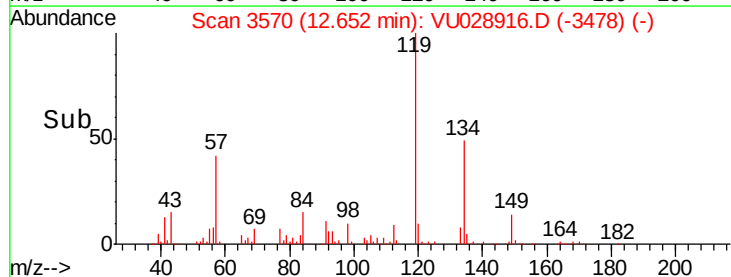
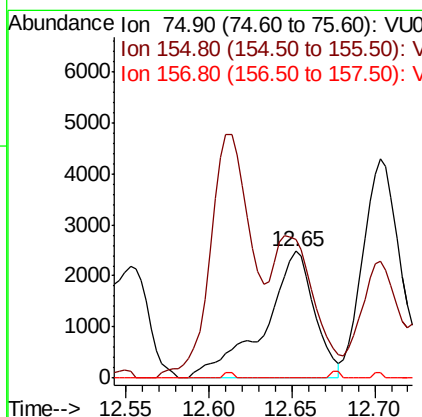
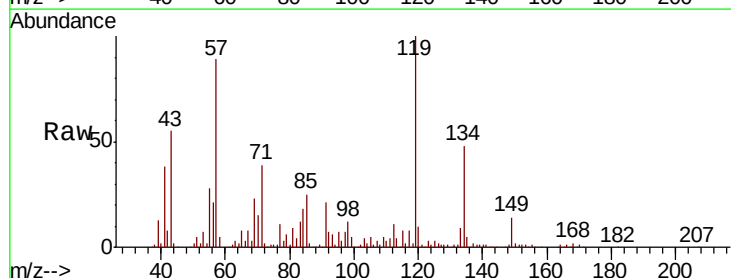
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

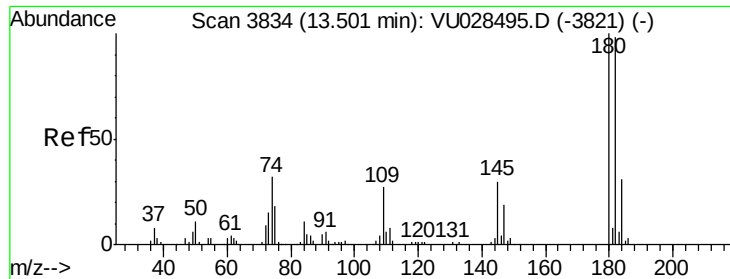
Tgt Ion:146 Resp: 20970
 Ion Ratio Lower Upper
 146 100
 111 124.1 21.1 63.4#
 148 64.5 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.530 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion: 75 Resp: 5213
 Ion Ratio Lower Upper
 75 100
 155 83.4 38.1 114.5
 157 0.0 48.7 146.1#

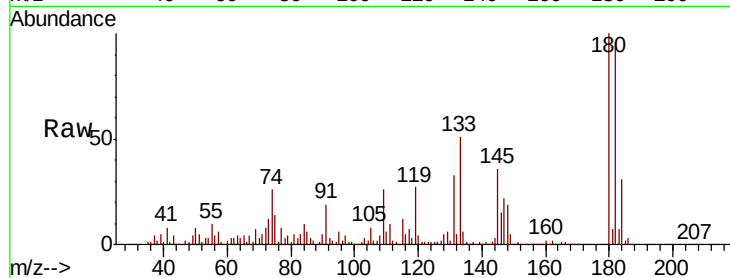




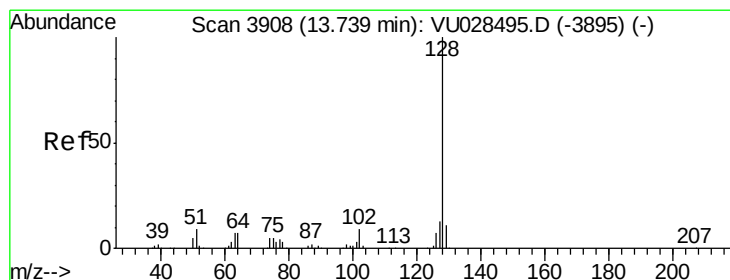
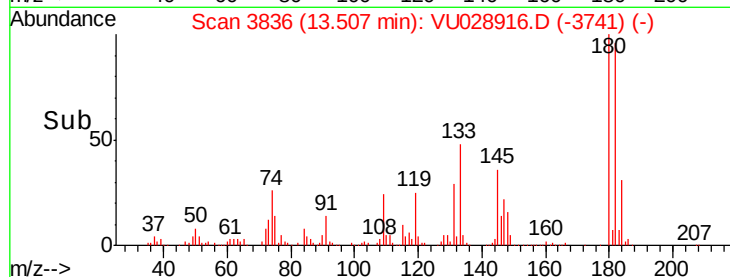
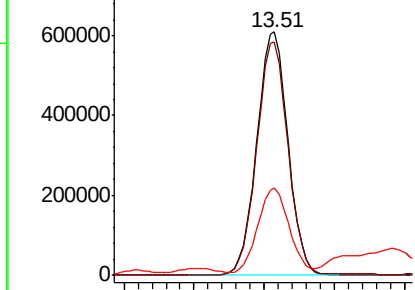
#93
 1,2,4-Trichlorobenzene
 Concen: 317.453 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion:180 Resp: 938306
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.8
 145 36.8 15.0 45.1

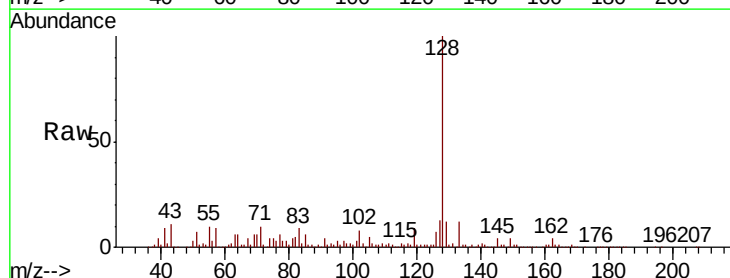


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

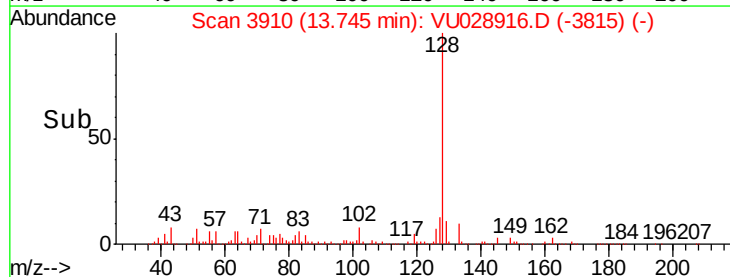
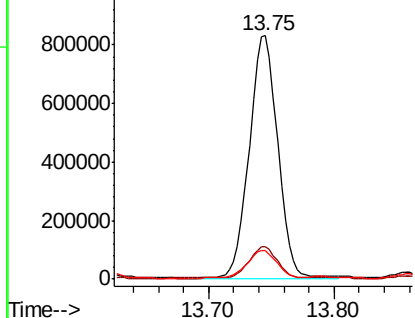


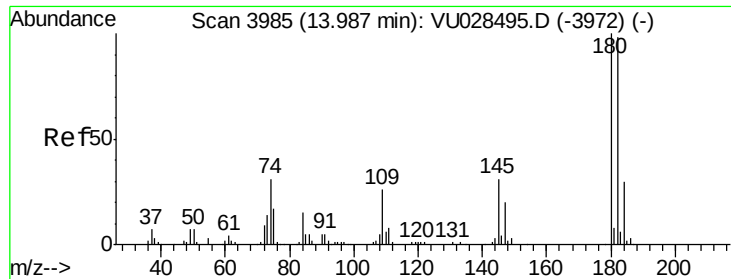
#95
 Naphthalene
 Concen: 129.971 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.01 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Tgt Ion:128 Resp: 1322387
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.4 15.6
 129 12.5 8.6 13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 81.874 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028916.D
 Acq: 22 Dec 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS019-1824-01ME

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	48.2	144.6
145	0.0	15.8	47.3

