

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027307.D
 Acq On : 29 Sep 2018 05:48
 Operator : MD/SY
 Sample : J5135-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Quant Time: Sep 29 07:05:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	82145	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	4.88	113	58298	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	7.57	98	215245	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	10.31	95	80393	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53346	51.630	ug/l	98
3) Chloromethane	1.33	50	82503	46.313	ug/l	100
4) Vinyl Chloride	1.40	62	83125	49.989	ug/l	99
5) Bromomethane	1.62	94	58286	61.552	ug/l	100
6) Chloroethane	1.69	64	48783	45.915	ug/l	99
7) Trichlorofluoromethane	1.88	101	90987	48.177	ug/l	97
8) Diethyl Ether	2.10	74	43674	48.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53539	46.104	ug/l	98
10) Methyl Iodide	2.41	142	43481	30.190	ug/l	98
11) Tert butyl alcohol	2.83	59	94359	258.466	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52214	47.771	ug/l	95
13) Acrolein	2.20	56	25792	131.058	ug/l	100
14) Allyl chloride	2.59	41	123656	55.780	ug/l	96
15) Acrylonitrile	2.94	53	247079	268.528	ug/l	99
16) Acetone	2.32	43	214136	253.318	ug/l	98
17) Carbon Disulfide	2.48	76	177399	49.822	ug/l	99
18) Methyl Acetate	2.62	43	124268	54.816	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223757	55.709	ug/l	99
20) Methylene Chloride	2.70	84	69488	48.714	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	60200	51.587	ug/l	99
22) Diisopropyl ether	3.57	45	271372	57.231	ug/l	98
23) Vinyl Acetate	3.53	43	1049430	259.637	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138698	53.110	ug/l	99
25) 2-Butanone	4.26	43	346275	258.696	ug/l	99
26) 2,2-Dichloropropane	4.23	77	83756	41.124	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	69596	52.809	ug/l	99
28) Bromochloromethane	4.55	49	69342	55.082	ug/l	97
29) Tetrahydrofuran	4.64	42	229854	283.866	ug/l	97
30) Chloroform	4.67	83	125410	51.734	ug/l	100
31) Cyclohexane	5.00	56	127545	53.771	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	103184	53.312	ug/l	98
36) 1,1-Dichloropropene	5.14	75	93164	48.970	ug/l	99
37) Ethyl Acetate	4.38	43	121148	47.039	ug/l	98
38) Carbon Tetrachloride	5.14	117	85895	47.444	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105835	51.191	ug/l	98
40) Benzene	5.39	78	283035	48.938	ug/l	99
41) Methacrylonitrile	4.54	41	73944	55.283	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108361	49.591	ug/l	99
43) Isopropyl Acetate	5.55	43	189219	50.378	ug/l	100
44) Trichloroethene	6.19	130	59433	48.270	ug/l	95
45) 1,2-Dichloropropane	6.43	63	82890	50.300	ug/l	98
46) Dibromomethane	6.56	93	48299	48.529	ug/l	98
47) Bromodichloromethane	6.76	83	97317	48.357	ug/l	97
48) Methyl methacrylate	6.62	41	102049	49.920	ug/l	99
49) 1,4-Dioxane	6.61	88	36095	888.866	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	660878	261.617	ug/l	99
52) Toluene	7.64	92	167255	50.452	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	109455	50.622	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	115546	48.601	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69061	49.164	ug/l	99
56) Ethyl methacrylate	8.02	69	116758	47.997	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130373	49.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	543	5.246	ug/l #	52
59) 2-Hexanone	8.36	43	503127	254.439	ug/l	100
60) Dibromochloromethane	8.48	129	68558	49.757	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72324	49.485	ug/l	99
64) Tetrachloroethene	8.23	164	48958	46.776	ug/l	98
65) Chlorobenzene	9.12	112	172792	47.978	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	62517	50.398	ug/l	99
67) Ethyl Benzene	9.25	91	316232	53.398	ug/l	99
68) m/p-Xylenes	9.38	106	235574	98.248	ug/l	99
69) o-Xylene	9.78	106	112416	53.575	ug/l	97
70) Styrene	9.79	104	186960	47.802	ug/l	100
71) Bromoform	9.96	173	48566	50.628	ug/l #	98
73) Isopropylbenzene	10.17	105	305264	54.445	ug/l	100
74) N-amyl acetate	10.02	43	161180	49.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119609	46.399	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	133313	59.536	ug/l	84
77) Bromobenzene	10.45	156	69541	50.755	ug/l	97
78) n-propylbenzene	10.59	91	361334	54.466	ug/l	100
79) 2-Chlorotoluene	10.66	91	214235	51.411	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	252110	54.472	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	133313	190.526	ug/l #	100
82) 4-Chlorotoluene	10.77	91	248596	53.204	ug/l	99
83) tert-Butylbenzene	11.10	119	243739	53.267	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	255101	54.160	ug/l	100
85) sec-Butylbenzene	11.32	105	301126	53.910	ug/l	100
86) p-Isopropyltoluene	11.48	119	254611	48.605	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127251	49.909	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	128484	46.237	ug/l	99
89) n-Butylbenzene	11.89	91	231741	45.822	ug/l	100
90) Hexachloroethane	12.15	117	47224	46.492	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	128058	47.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26148	49.721	ug/l	100

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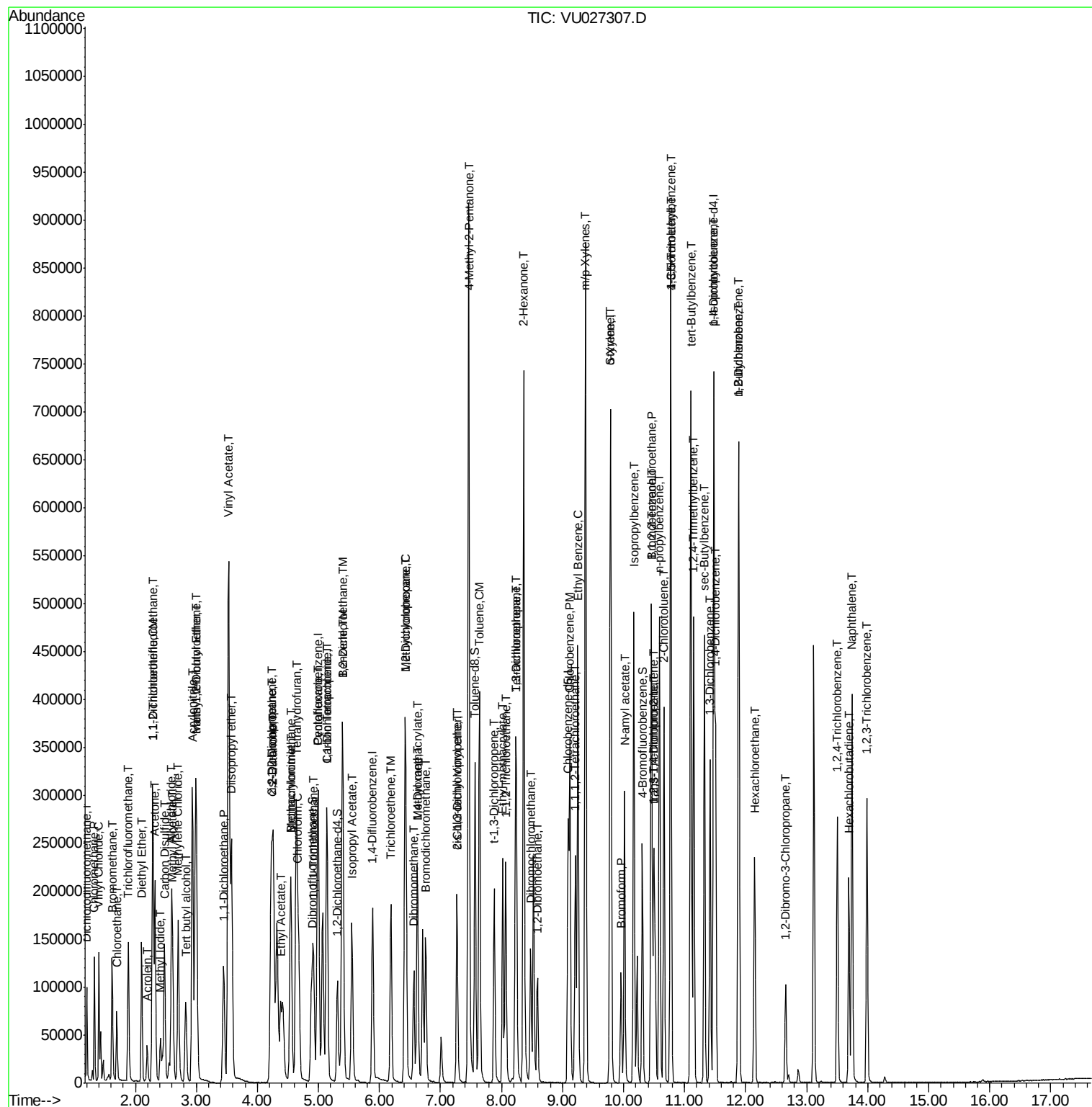
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	81394	52.151	ug/l	100
94) Hexachlorobutadiene	13.69	225	38225	46.288	ug/l	99
95) Naphthalene	13.74	128	293632	48.182	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84971	50.768	ug/l	98

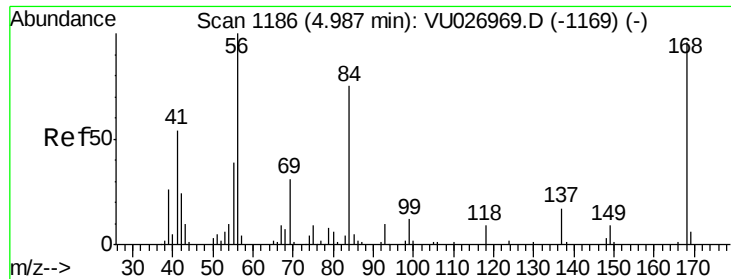
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

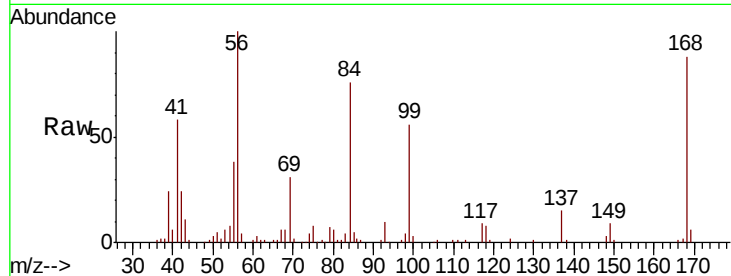
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion:168 Resp: 79137

Ion Ratio Lower Upper

168 100

99 62.2 48.1 72.1



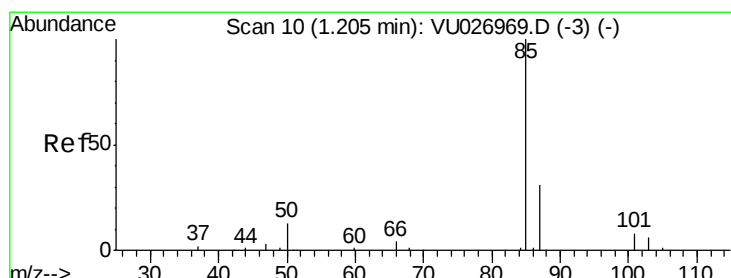
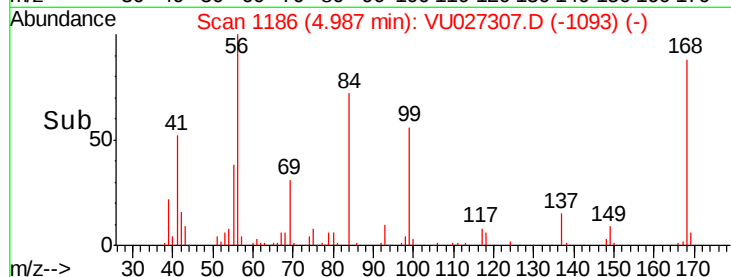
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.630 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027307.D

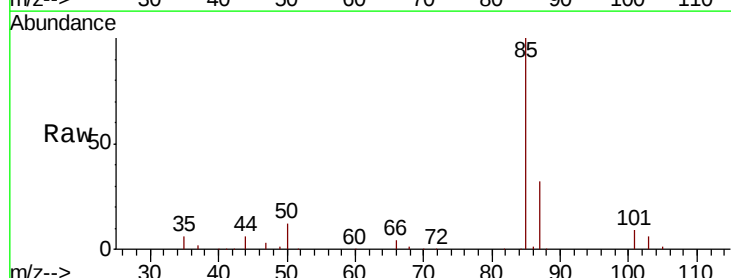
Acq: 29 Sep 2018 05:48

Tgt Ion: 85 Resp: 53346

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7



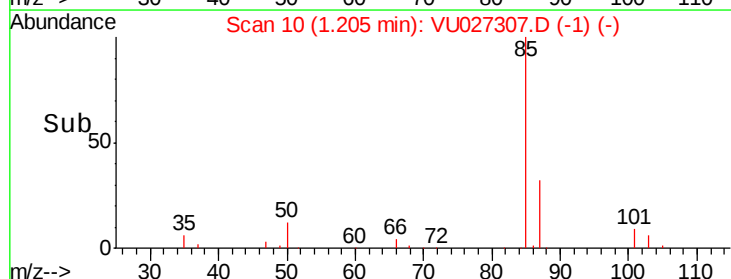
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

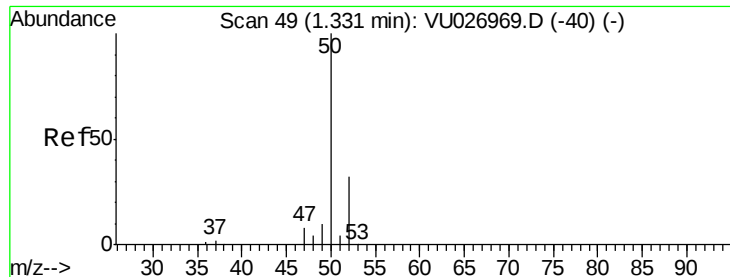
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.313 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

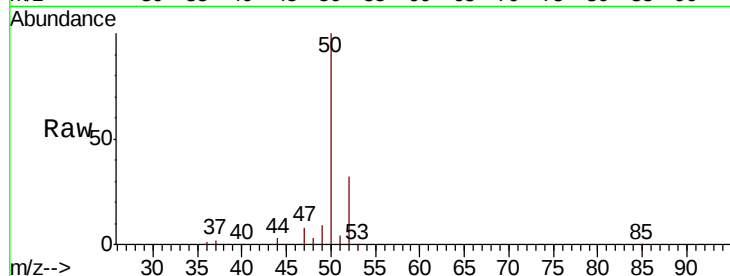
SA-TW502-0913MS

Tgt Ion: 50 Resp: 82503

Ion Ratio Lower Upper

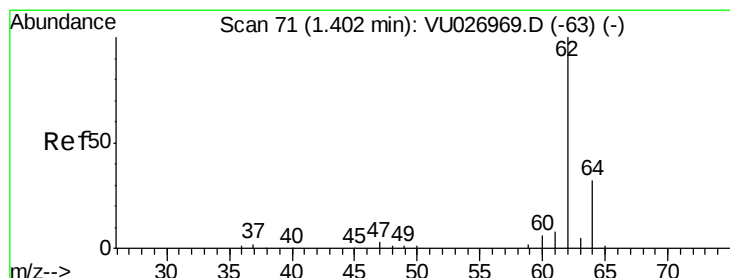
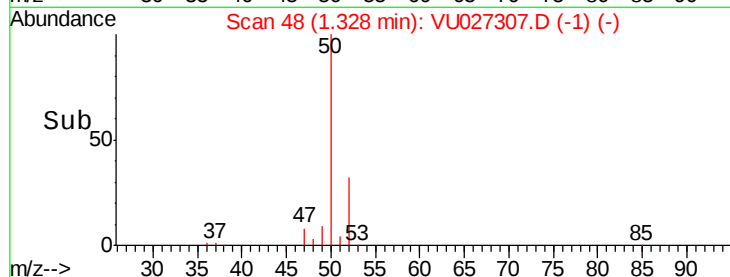
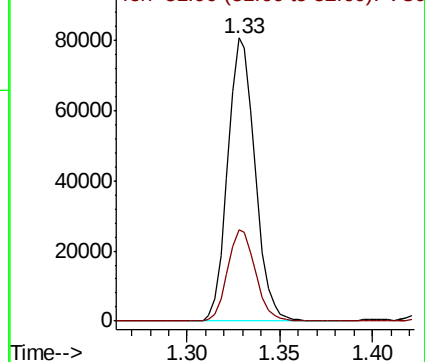
50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027307.D (-1) (-)



#4

Vinyl Chloride

Concen: 49.989 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027307.D

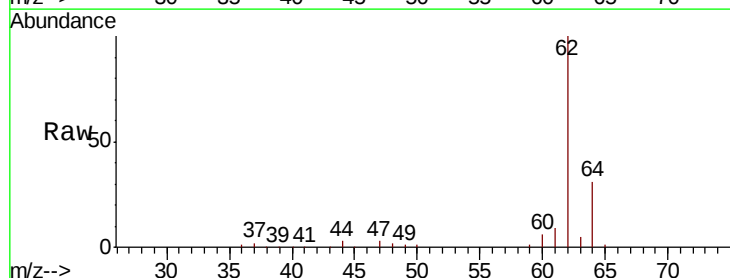
Acq: 29 Sep 2018 05:48

Tgt Ion: 62 Resp: 83125

Ion Ratio Lower Upper

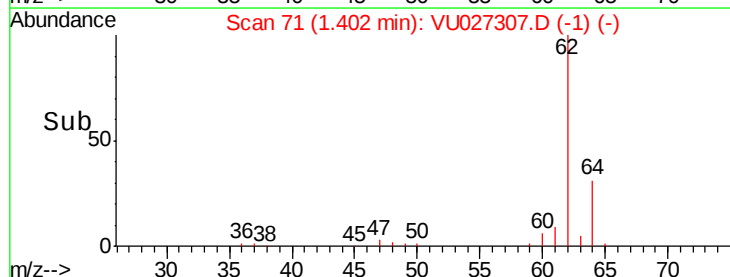
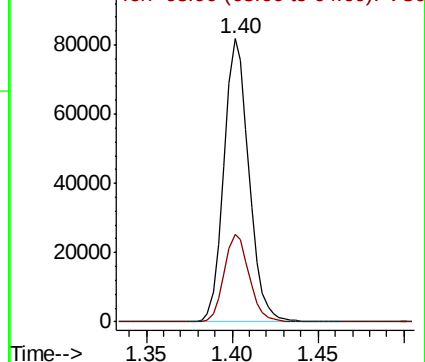
62 100

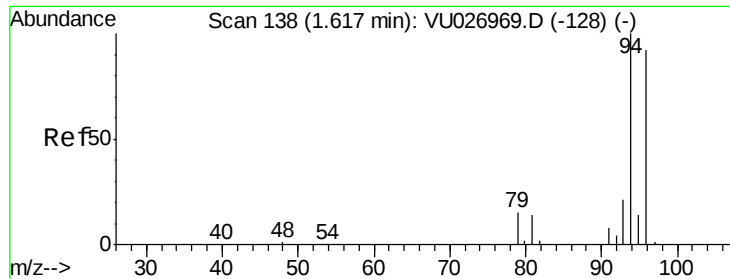
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027307.D (-1) (-)

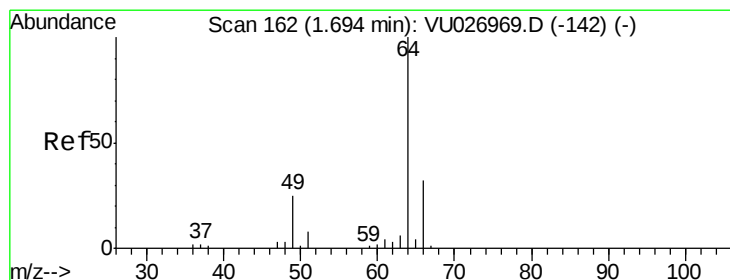
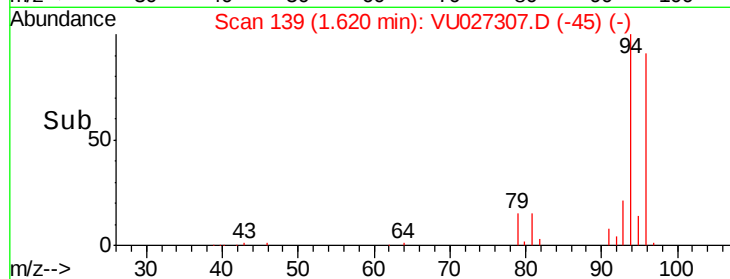
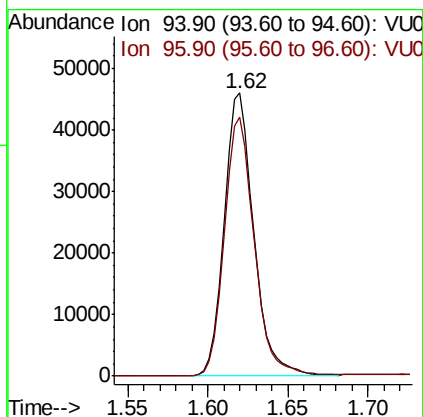
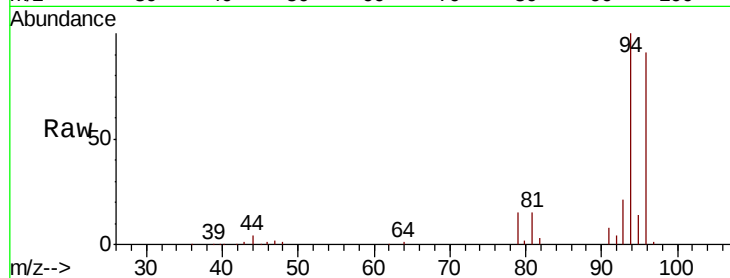




#5
Bromomethane
Concen: 61.552 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

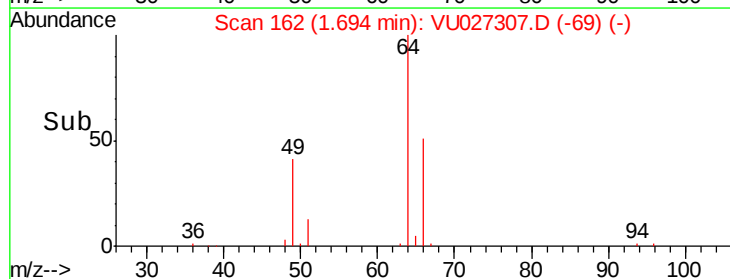
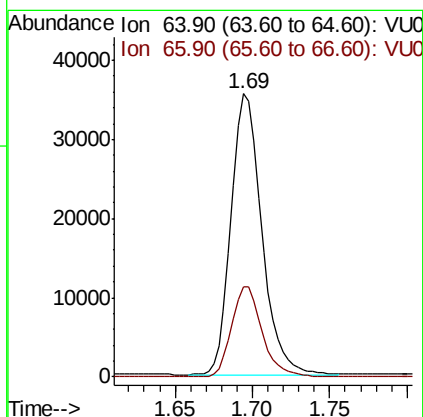
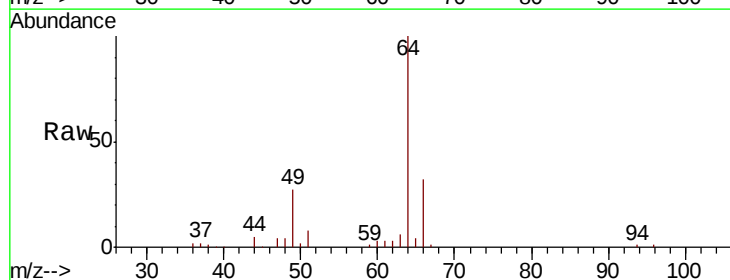
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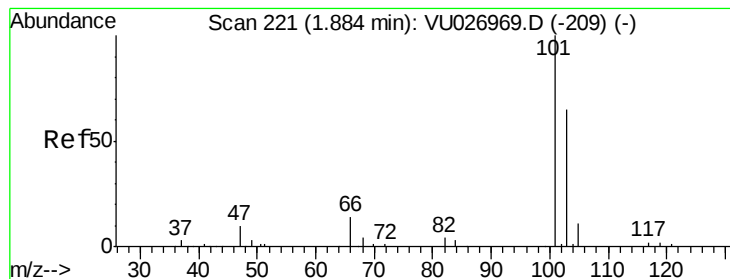
Tgt Ion: 94 Resp: 58286
Ion Ratio Lower Upper
94 100
96 91.4 73.2 109.8



#6
Chloroethane
Concen: 45.915 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 64 Resp: 48783
Ion Ratio Lower Upper
64 100
66 31.9 25.3 37.9



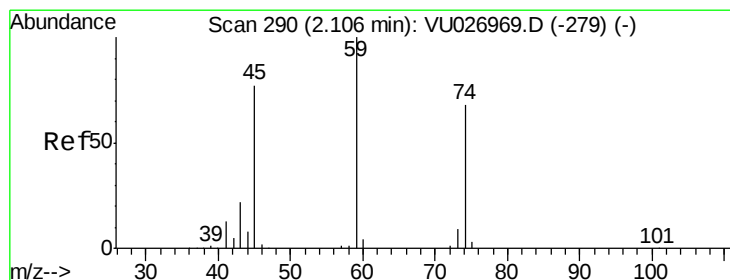
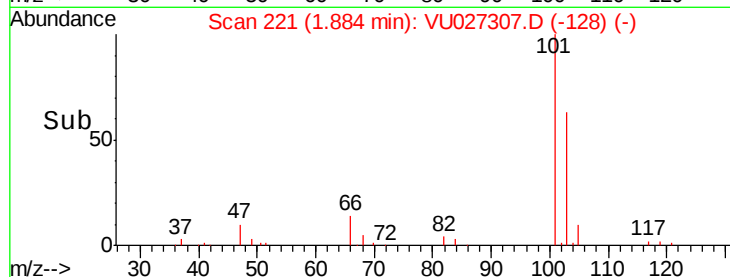
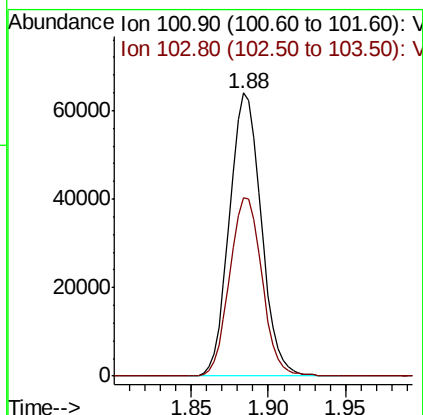
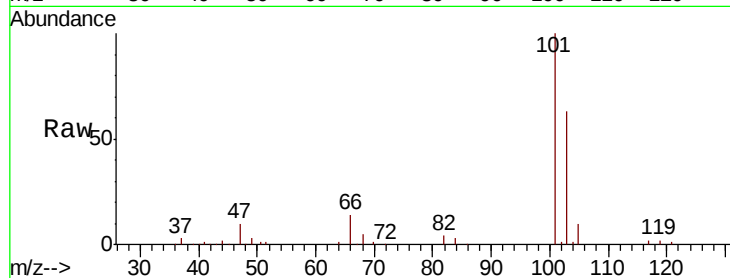


#7

Trichlorofluoromethane
 Concen: 48.177 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
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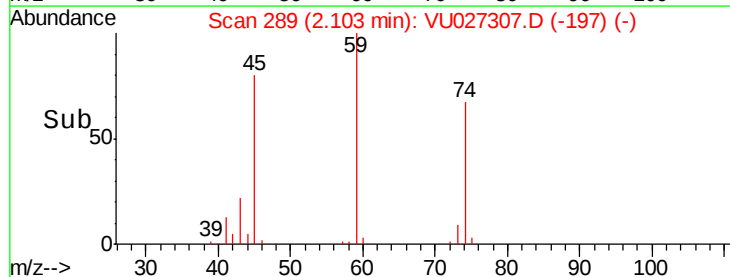
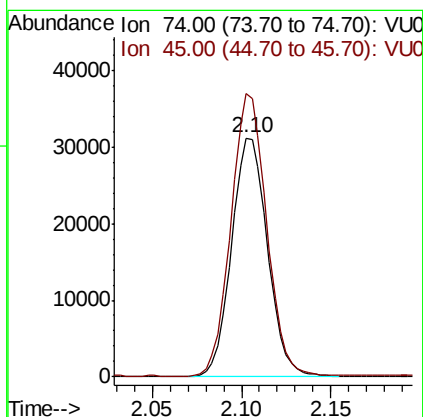
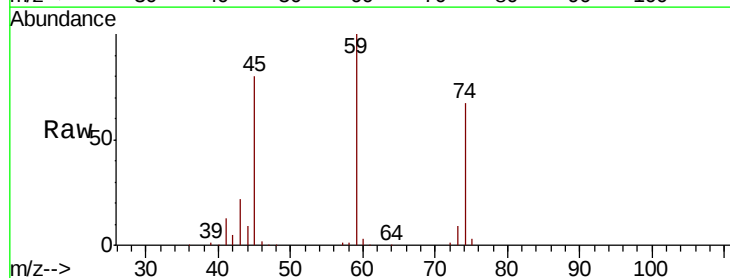
Tgt Ion: 101 Resp: 90987
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.2 78.2



#8

Diethyl Ether
 Concen: 48.043 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 74 Resp: 43674
 Ion Ratio Lower Upper
 74 100
 45 118.4 56.9 170.7

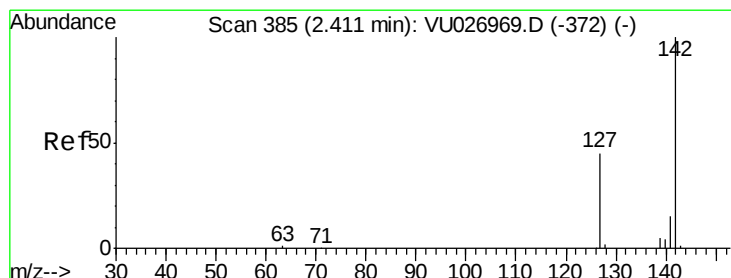
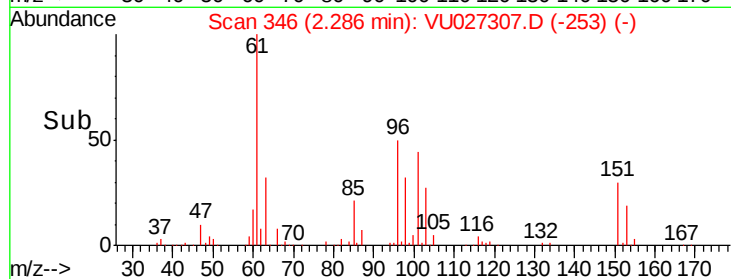
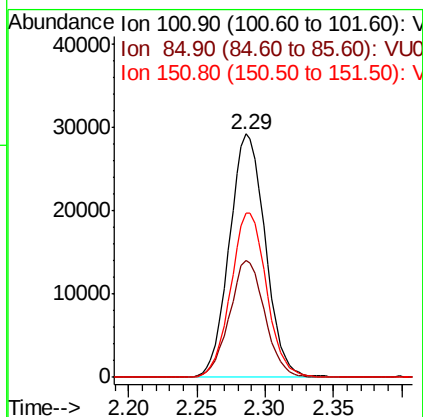
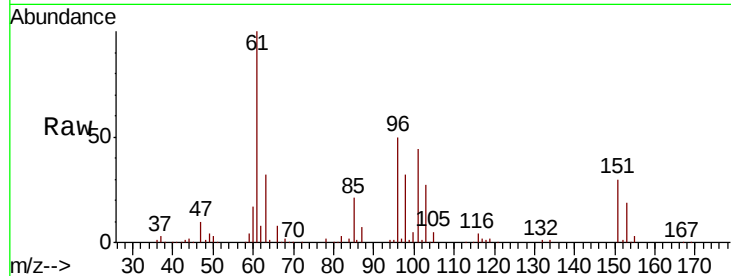




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.104 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

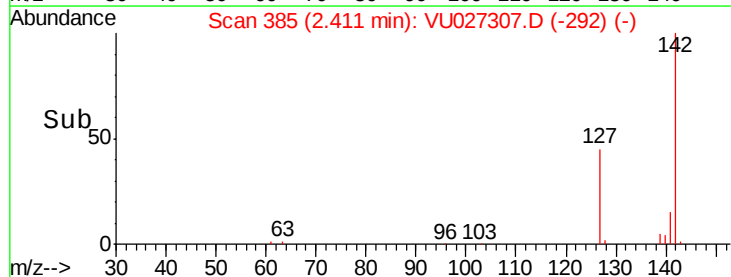
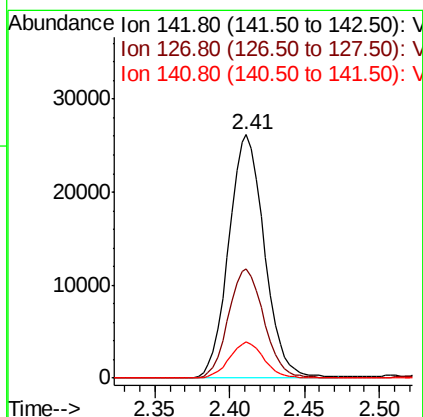
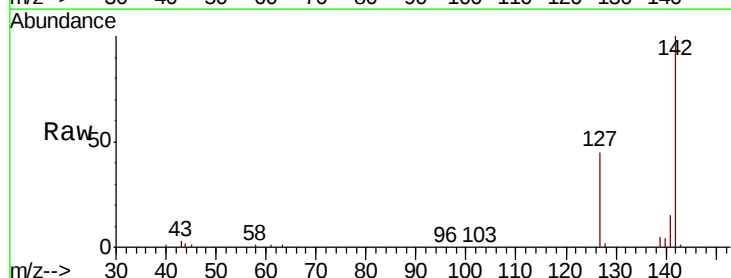
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

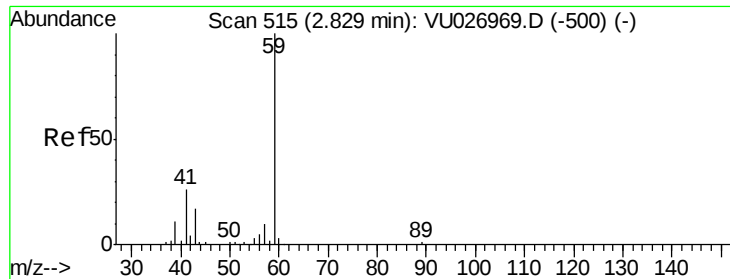
Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.9	36.2	54.2
151	67.1	54.5	81.7



#10
 Methyl Iodide
 Concen: 30.190 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.6	36.7	55.1
141	14.2	11.8	17.6

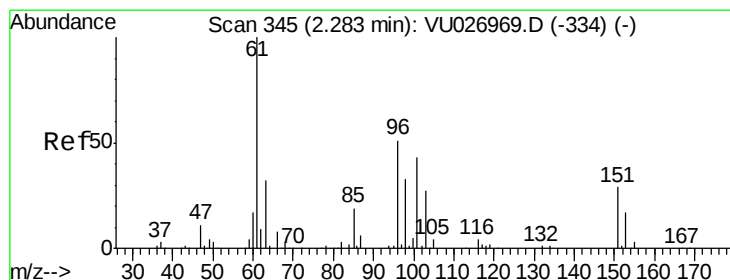
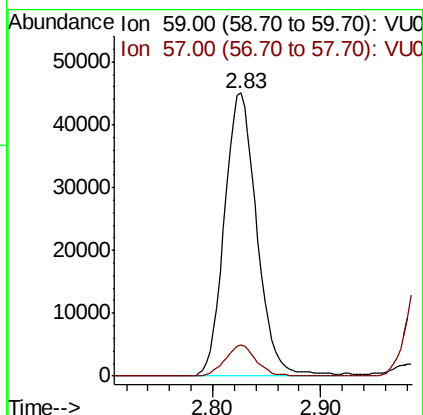
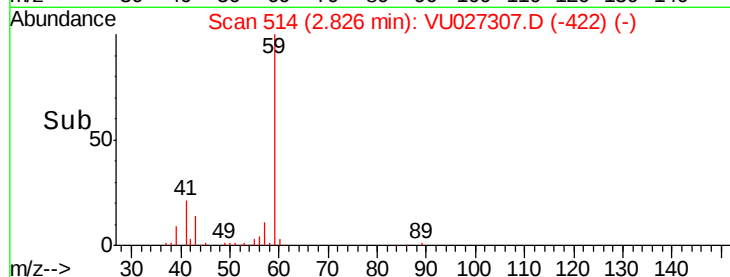
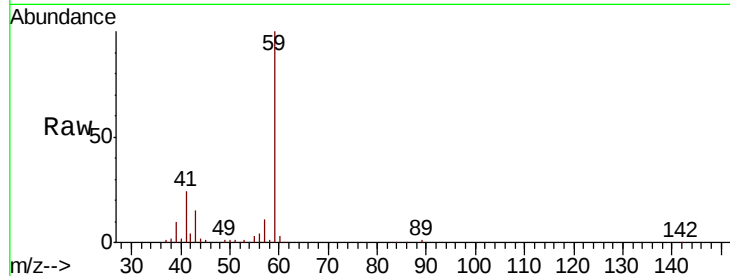




#11
Tert butyl alcohol
Concen: 258.466 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

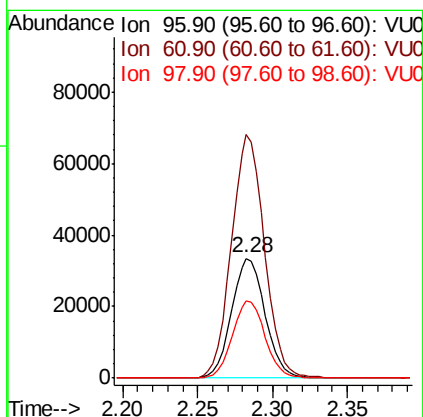
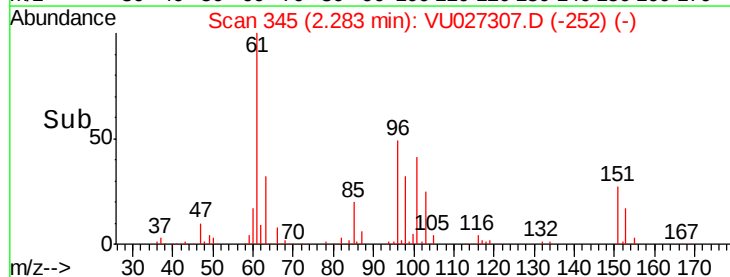
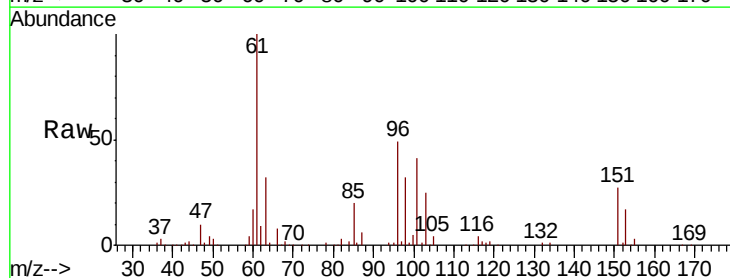
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

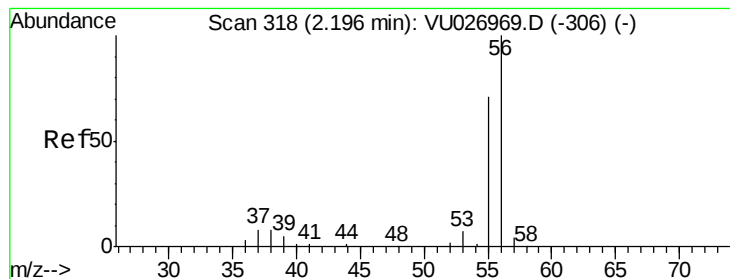
Tgt Ion: 59 Resp: 94359
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.771 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 96 Resp: 52214
Ion Ratio Lower Upper
96 100
61 203.7 156.1 234.1
98 64.9 51.4 77.0





#13

Acrolein

Concen: 131.058 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

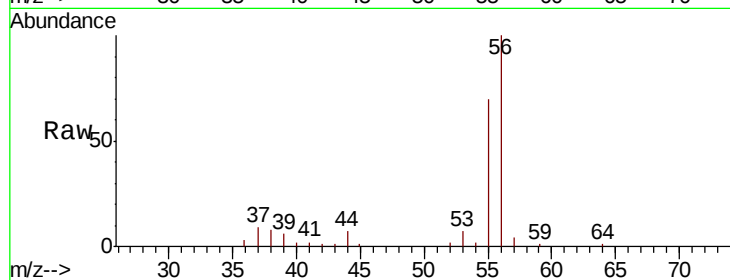
SA-TW502-0913MS

Tgt Ion: 56 Resp: 25792

Ion Ratio Lower Upper

56 100

55 71.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)

20000

15000

10000

5000

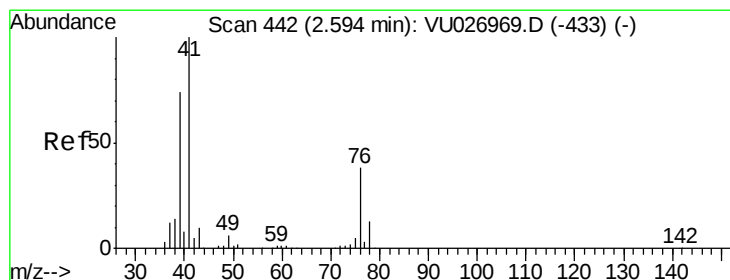
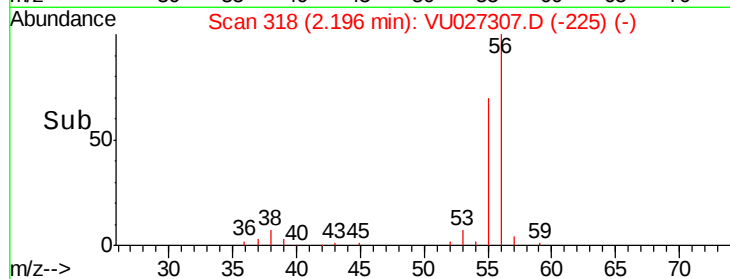
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 55.780 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

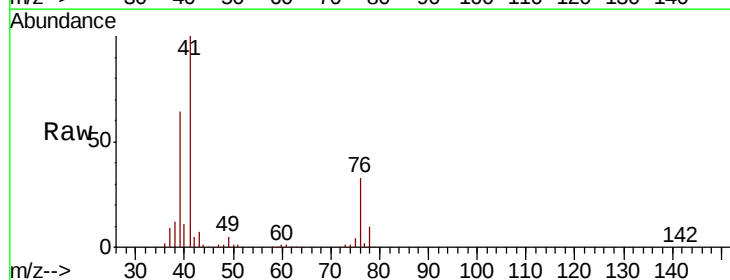
Tgt Ion: 41 Resp: 123656

Ion Ratio Lower Upper

41 100

39 65.1 55.7 83.5

76 33.0 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

80000

60000

40000

20000

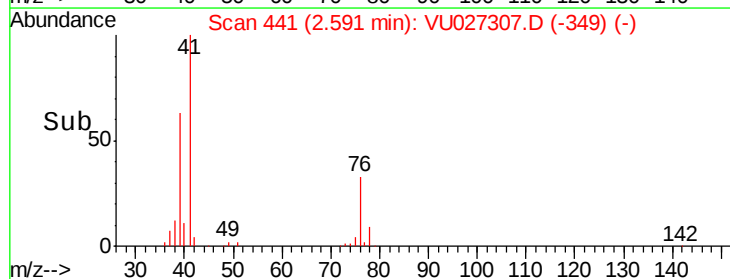
0

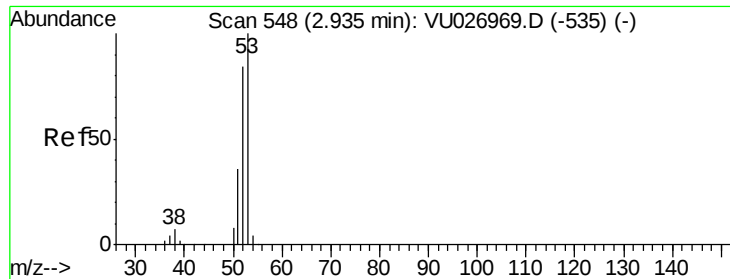
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 268.528 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

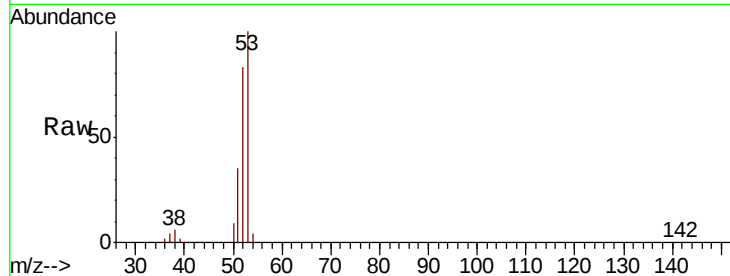
Tgt Ion: 53 Resp: 247079

Ion Ratio Lower Upper

53 100

52 81.6 65.7 98.5

51 34.8 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU027307.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027307.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027307.D (-535) (-)

2.94

150000

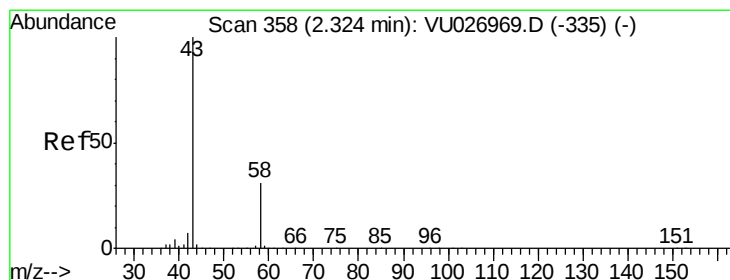
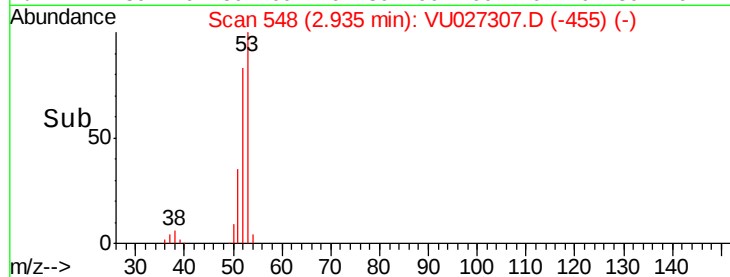
100000

50000

0

2.90 3.00 3.10

Time-->



#16

Acetone

Concen: 253.318 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027307.D

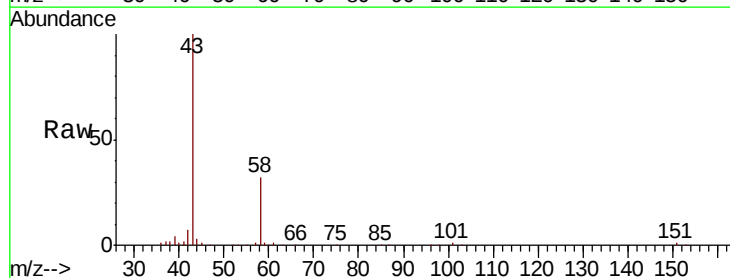
Acq: 29 Sep 2018 05:48

Tgt Ion: 43 Resp: 214136

Ion Ratio Lower Upper

43 100

58 31.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027307.D (-265) (-)

2.32

150000

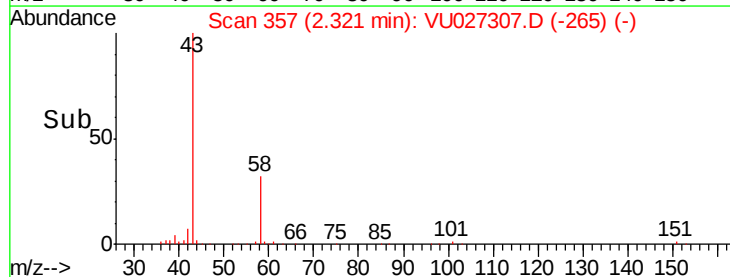
100000

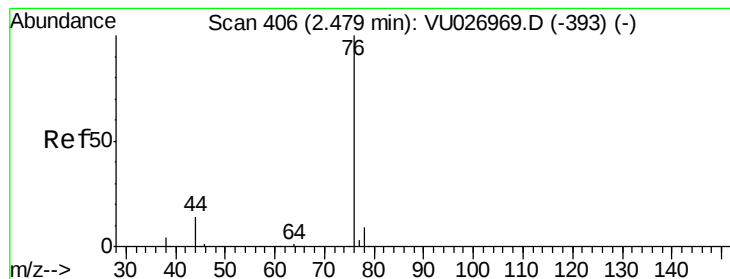
50000

0

2.20 2.30 2.40

Time-->





#17

Carbon Disulfide

Concen: 49.822 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

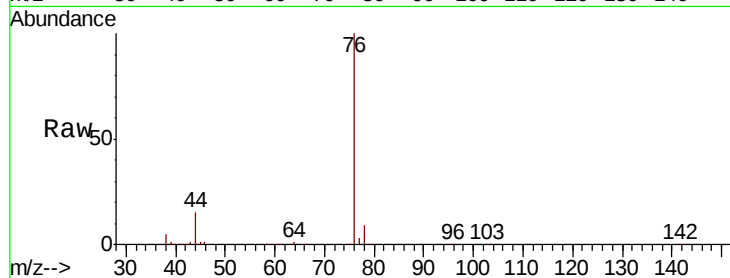
SA-TW502-0913MS

Tgt Ion: 76 Resp: 177399

Ion Ratio Lower Upper

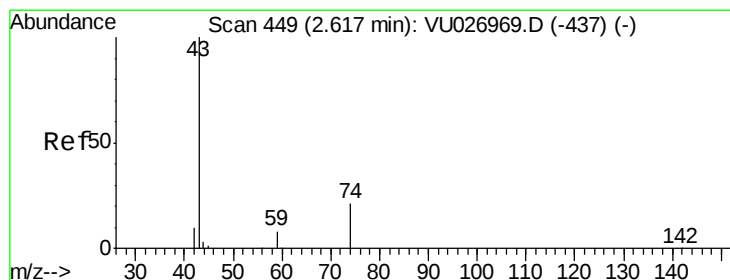
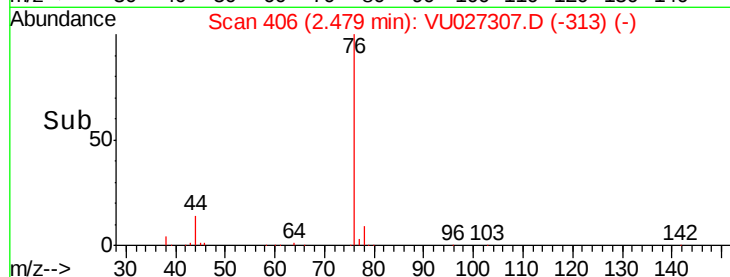
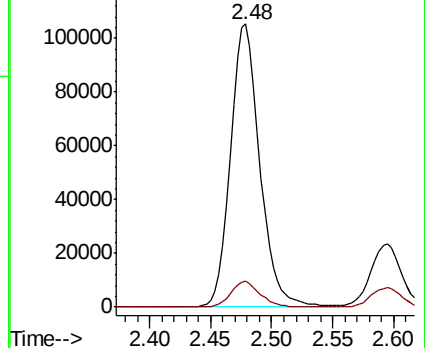
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU027307.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027307.D (-313) (-)



#18

Methyl Acetate

Concen: 54.816 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027307.D

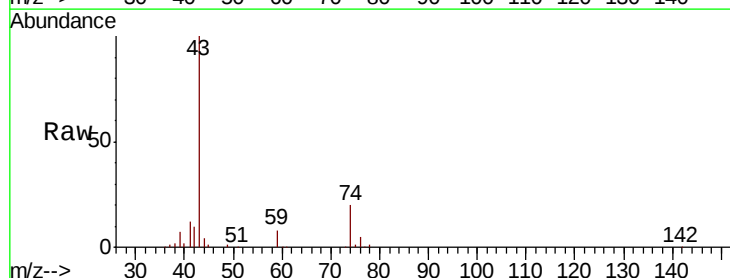
Acq: 29 Sep 2018 05:48

Tgt Ion: 43 Resp: 124268

Ion Ratio Lower Upper

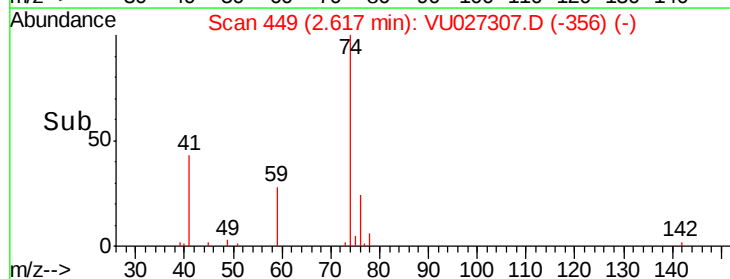
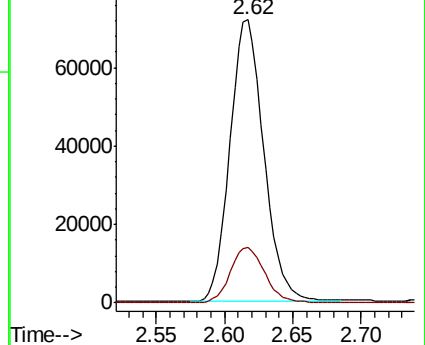
43 100

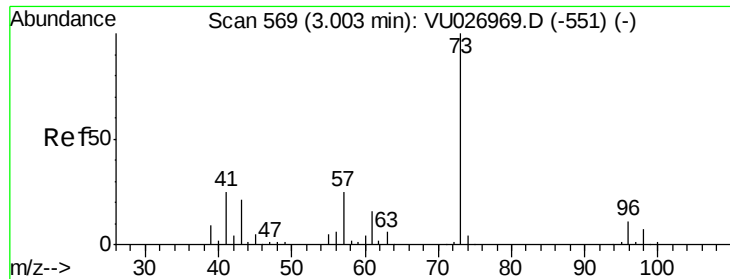
74 20.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027307.D (-356) (-)

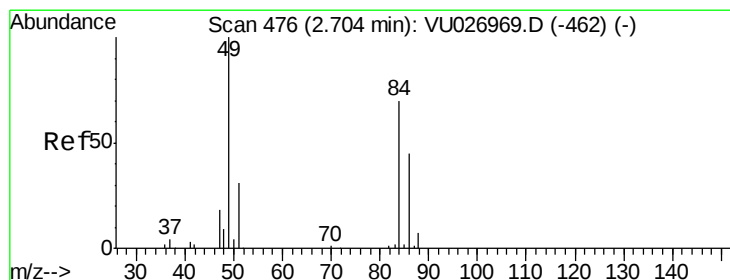
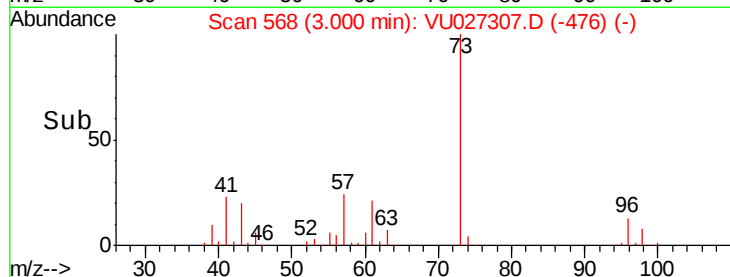
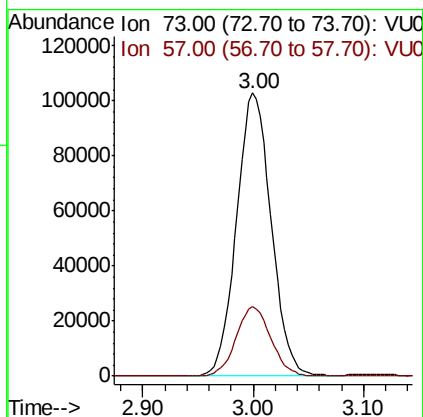
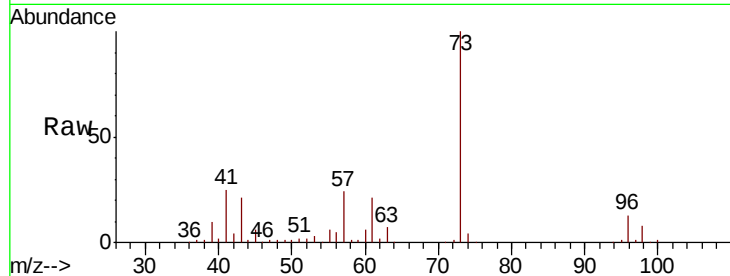




#19
Methyl tert-butyl Ether
Concen: 55.709 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

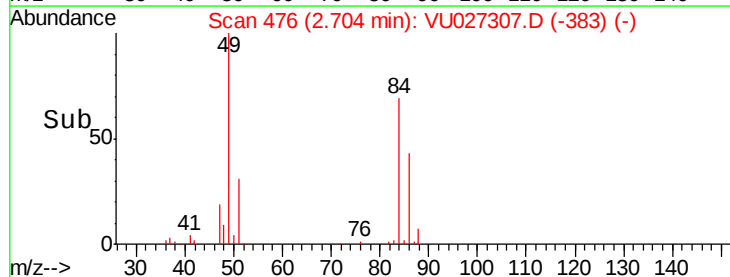
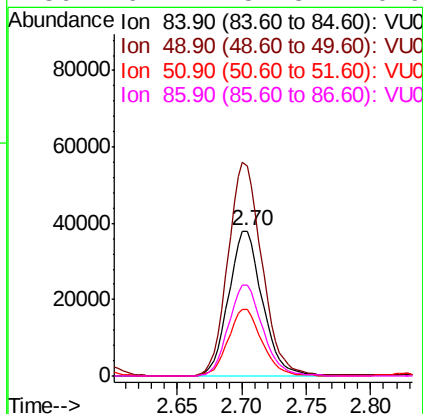
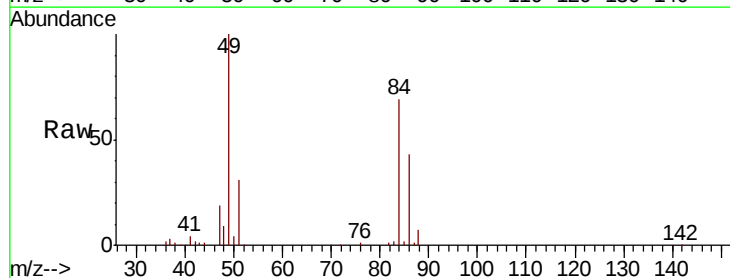
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

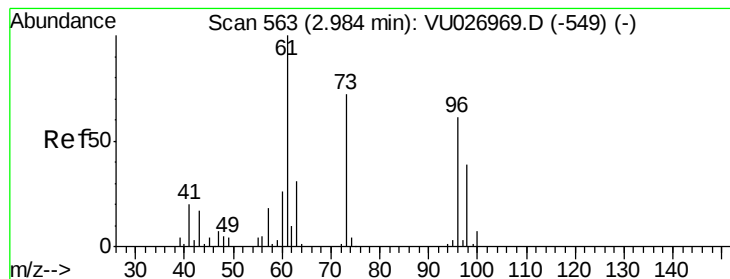
Tgt Ion: 73 Resp: 223757
Ion Ratio Lower Upper
73 100
57 24.4 19.8 29.6



#20
Methylene Chloride
Concen: 48.714 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 84 Resp: 69488
Ion Ratio Lower Upper
84 100
49 144.6 114.9 172.3
51 45.5 35.8 53.8
86 62.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.587 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

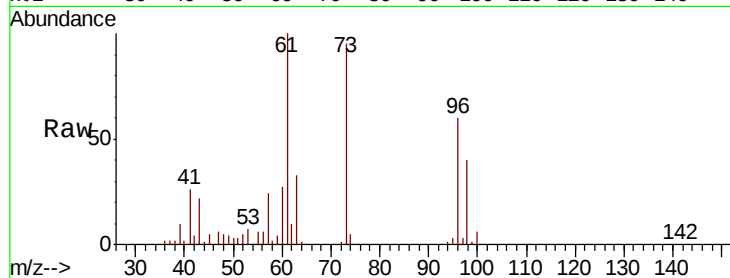
Tgt Ion: 96 Resp: 60200

Ion Ratio Lower Upper

96 100

61 165.9 131.8 197.6

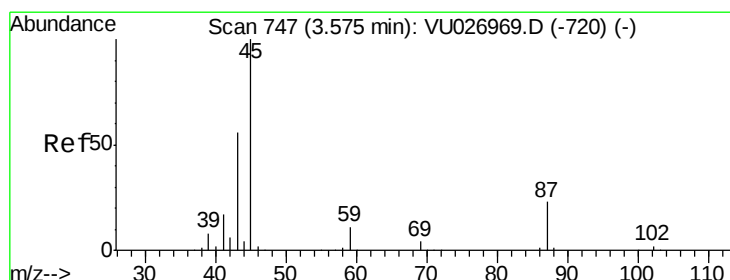
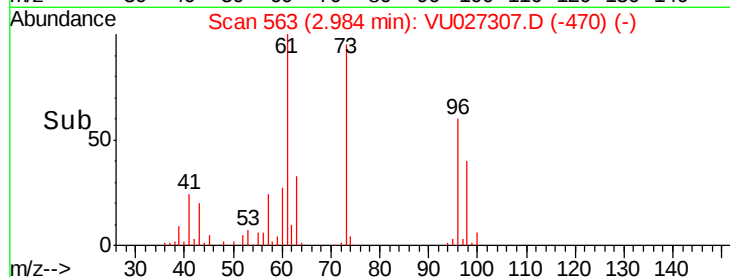
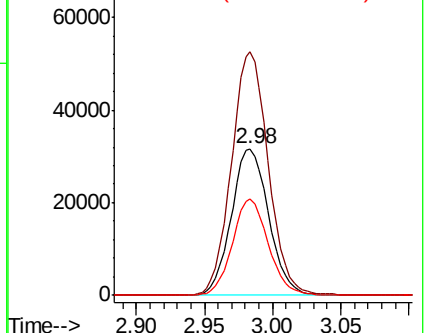
98 65.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027307.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027307.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027307.D (-470) (-)



#22

Diisopropyl ether

Concen: 57.231 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion: 45 Resp: 271372

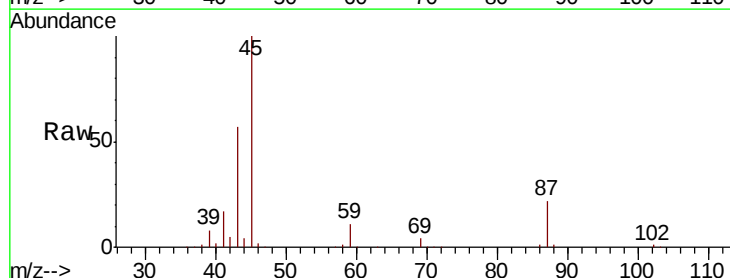
Ion Ratio Lower Upper

45 100

43 55.5 45.8 68.6

87 21.9 18.6 28.0

59 11.0 9.0 13.4

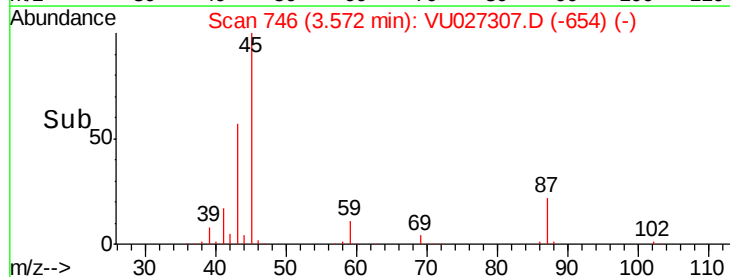
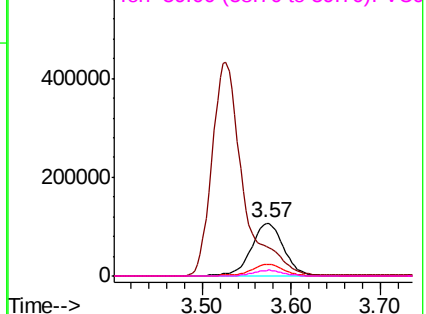


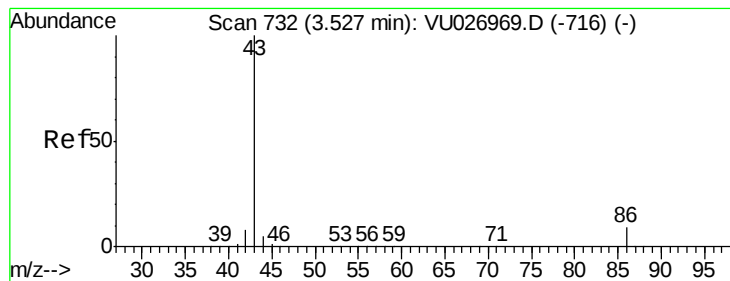
Abundance Ion 45.00 (44.70 to 45.70): VU027307.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU027307.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU027307.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU027307.D (-654) (-)





#23

Vinyl Acetate

Concen: 259.637 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

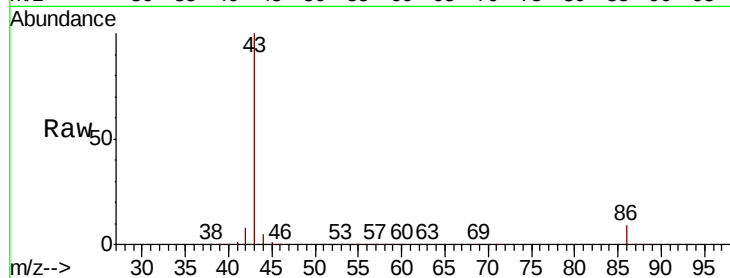
SA-TW502-0913MS

Tgt Ion: 43 Resp: 1049430

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

400000

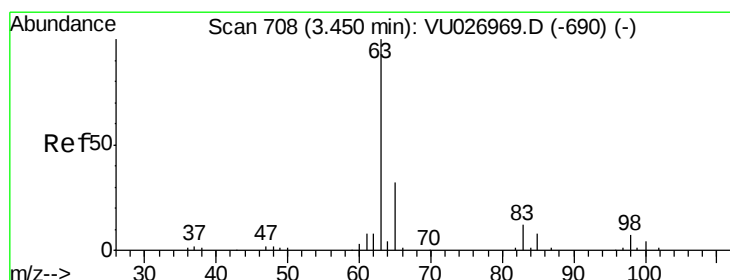
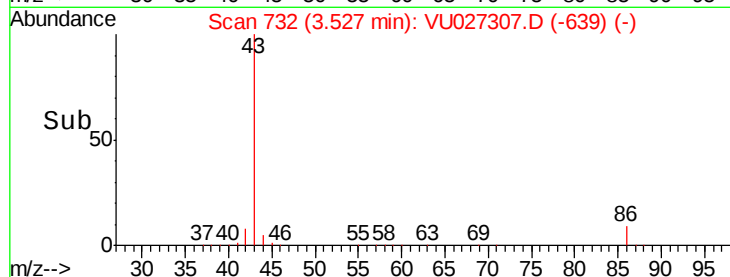
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.110 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

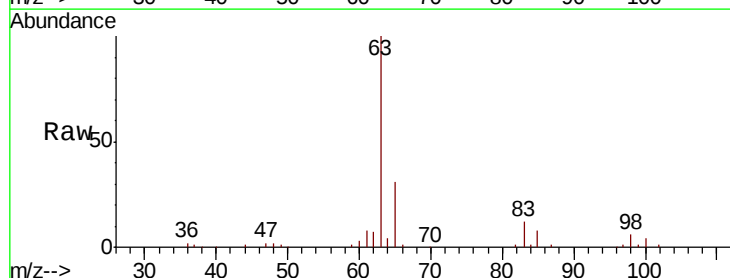
Tgt Ion: 63 Resp: 138698

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.0 2.0 5.8



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

3.45

80000

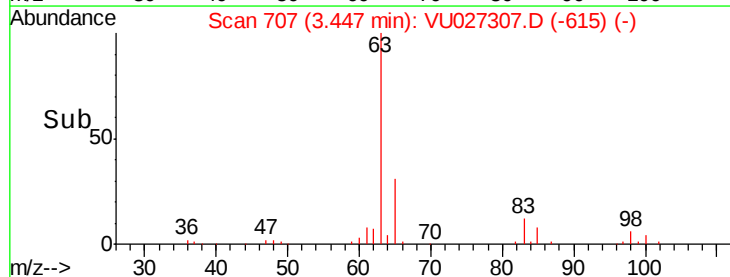
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.696 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

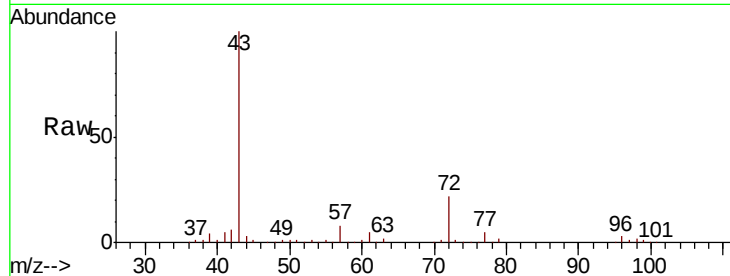
SA-TW502-0913MS

Tgt Ion: 43 Resp: 346275

Ion Ratio Lower Upper

43 100

72 22.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

150000

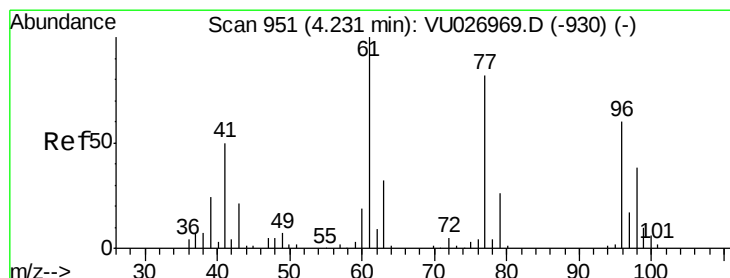
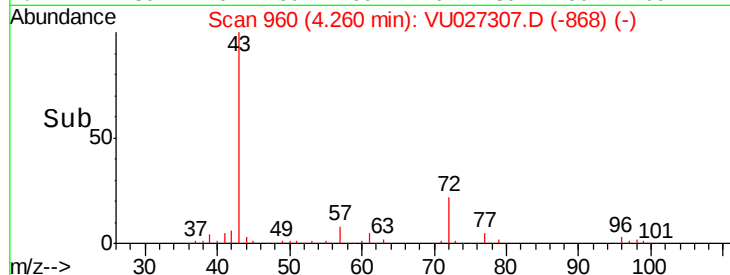
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.124 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027307.D

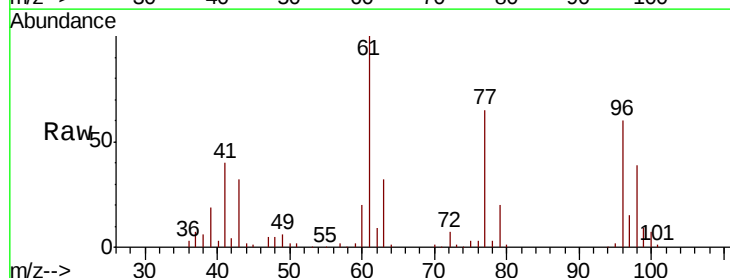
Acq: 29 Sep 2018 05:48

Tgt Ion: 77 Resp: 83756

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.23

30000

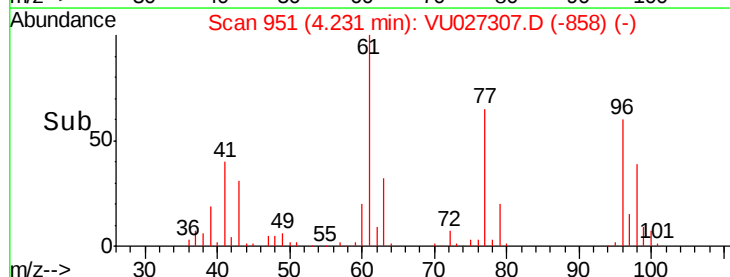
20000

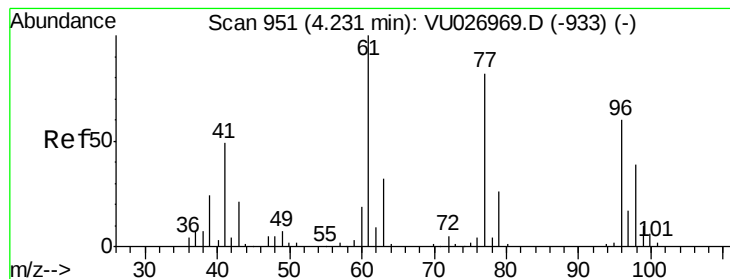
10000

0

4.10 4.20 4.30

Time-->



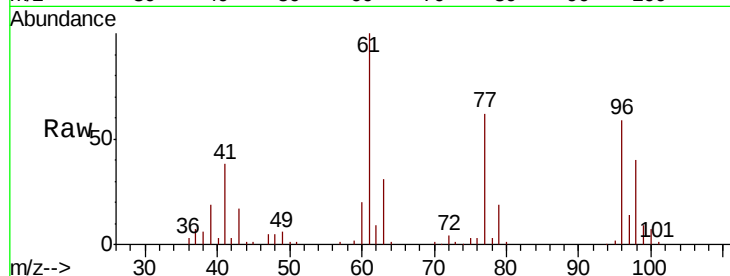


#27

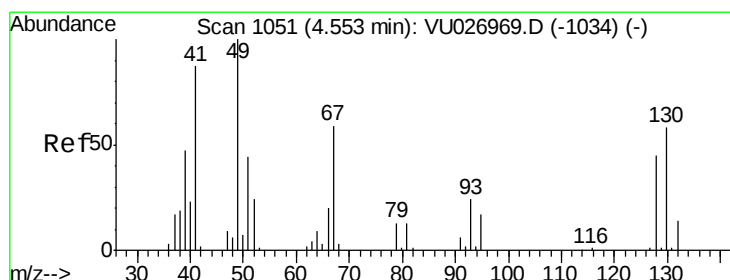
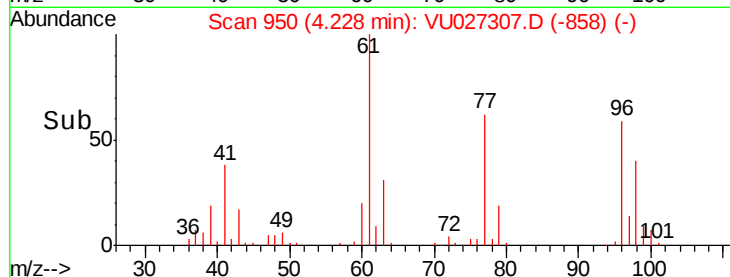
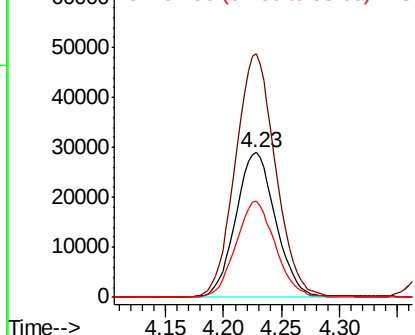
cis-1,2-Dichloroethene
 Concen: 52.809 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tgt Ion: 96 Resp: 69596
 Ion Ratio Lower Upper
 96 100
 61 169.6 0.0 337.2
 98 65.3 0.0 127.6



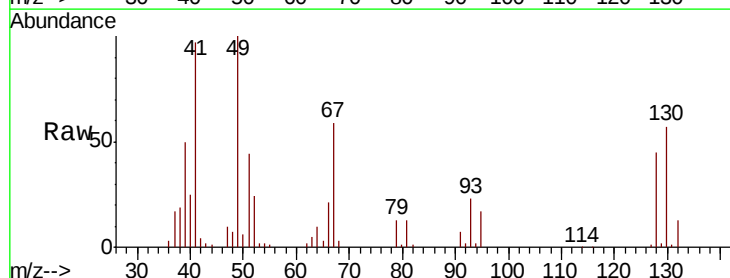
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



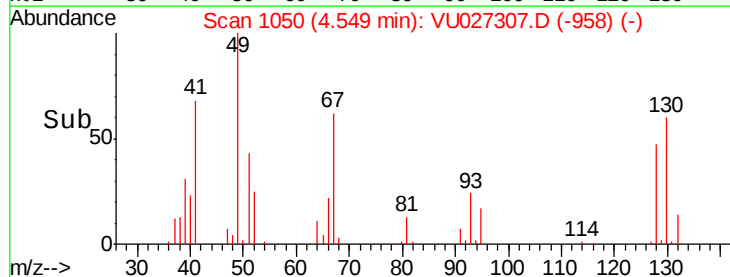
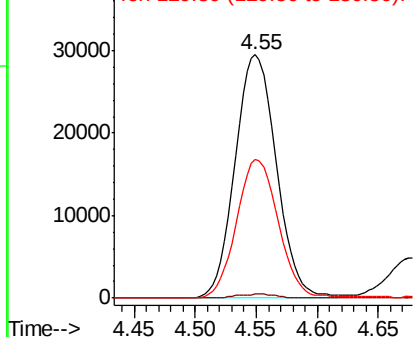
#28

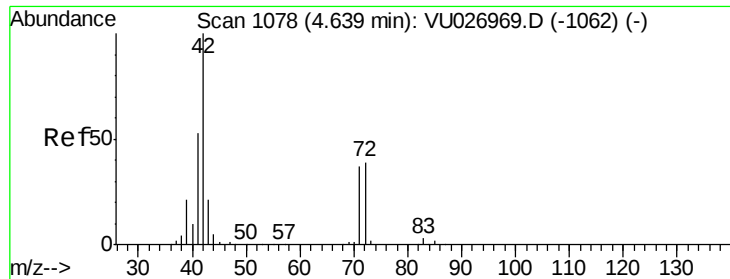
Bromochloromethane
 Concen: 55.082 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 49 Resp: 69342
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.0
 130 57.2 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

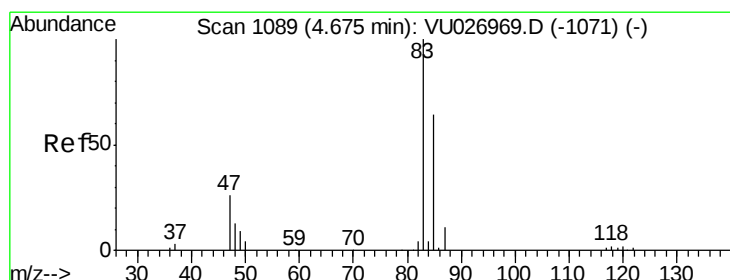
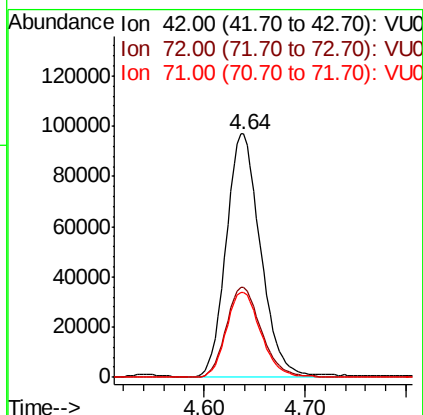
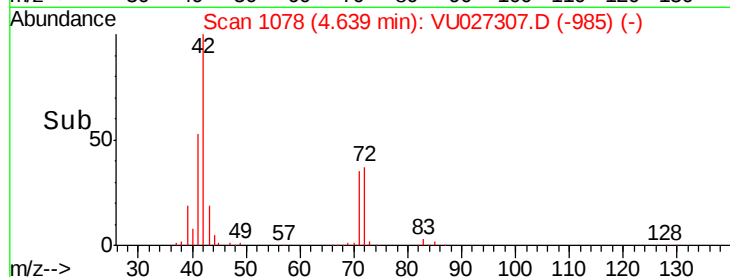
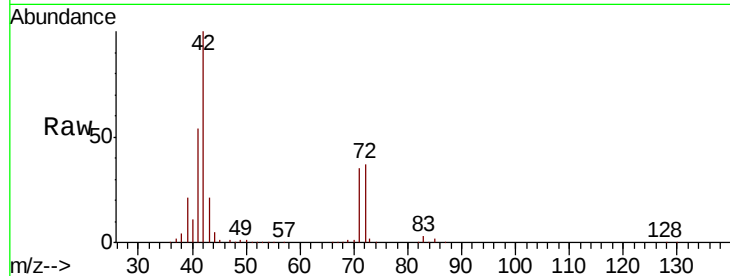




#29
Tetrahydrofuran
Concen: 283.866 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

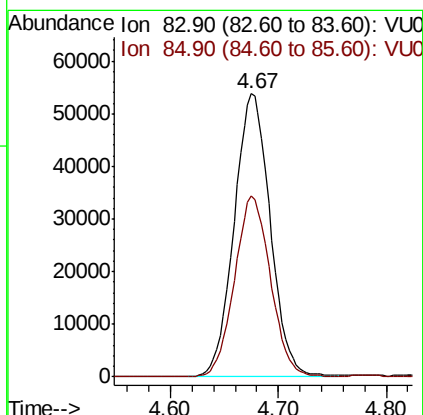
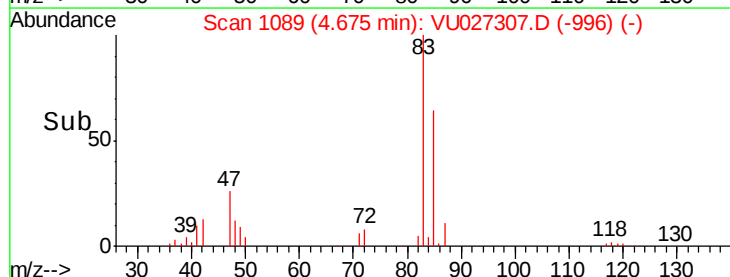
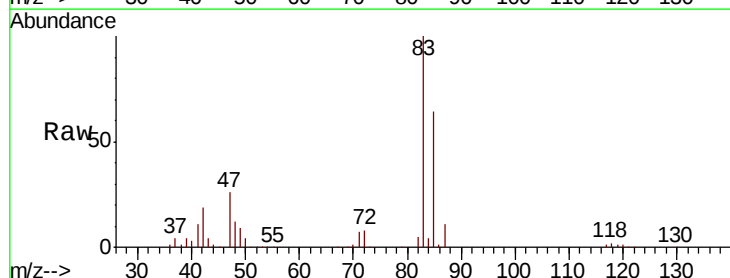
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

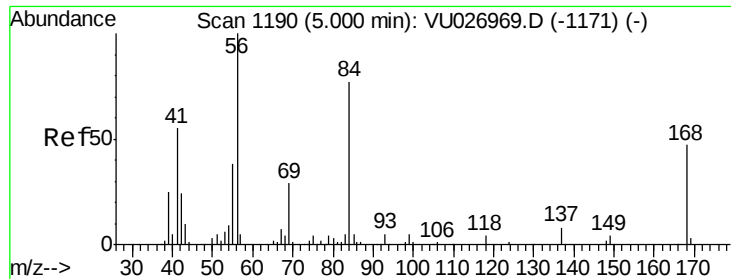
Tgt Ion: 42 Resp: 229854
Ion Ratio Lower Upper
42 100
72 37.9 31.7 47.5
71 35.2 29.6 44.4



#30
Chloroform
Concen: 51.734 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 83 Resp: 125410
Ion Ratio Lower Upper
83 100
85 64.0 51.5 77.3

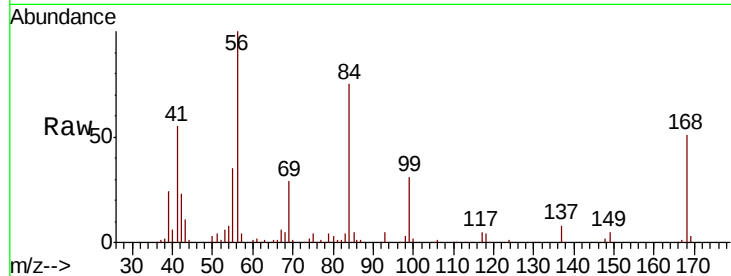




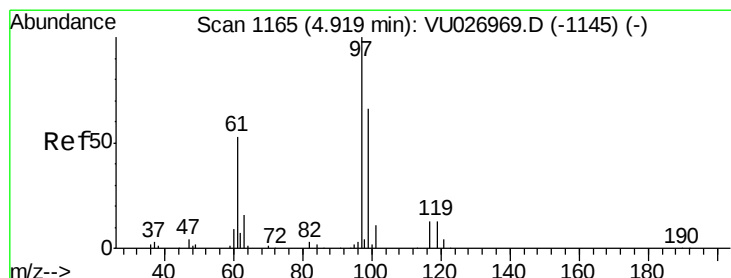
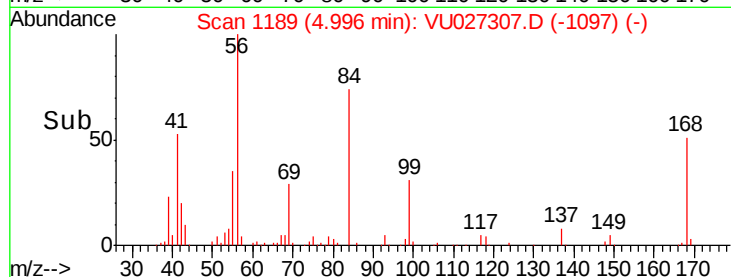
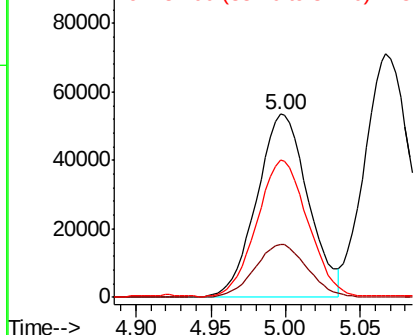
#31
Cyclohexane
Concen: 53.771 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion: 56 Resp: 127545
Ion Ratio Lower Upper
56 100
69 29.1 23.0 34.4
84 74.0 61.4 92.2

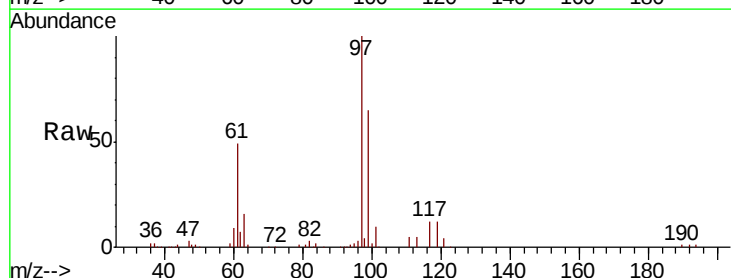


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

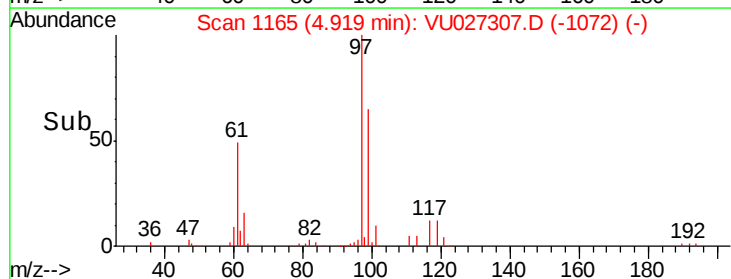
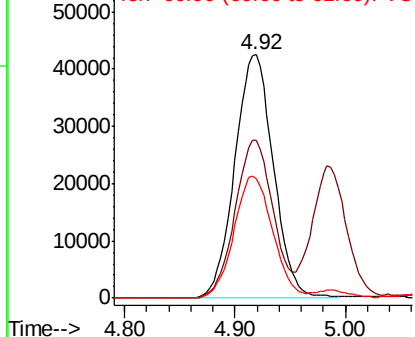


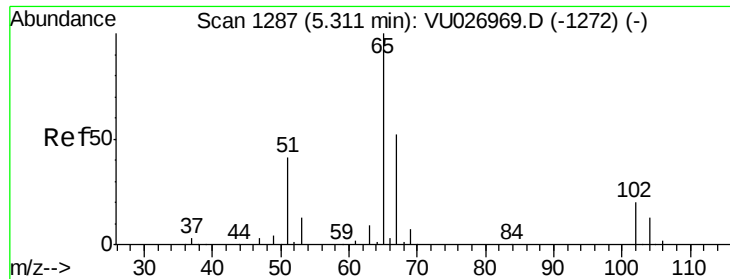
#32
1,1,1-Trichloroethane
Concen: 53.312 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 97 Resp: 103184
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.6
61 50.1 41.1 61.7



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

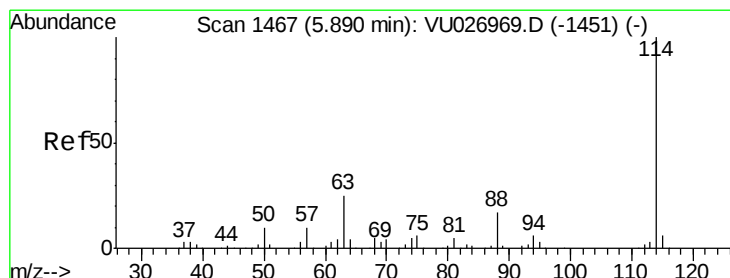
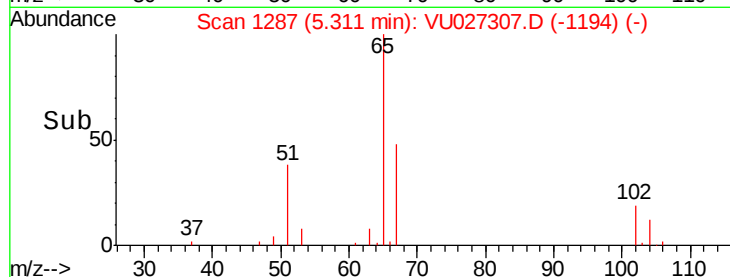
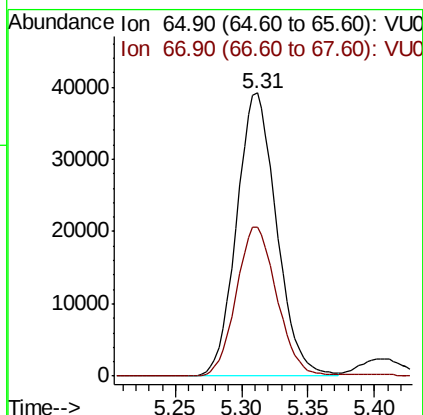
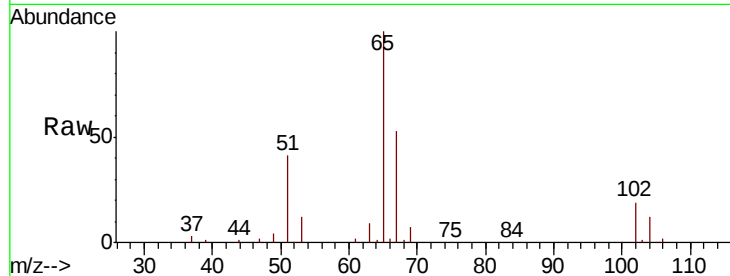




#33
 1,2-Dichloroethane-d4
 Concen: 51.574 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

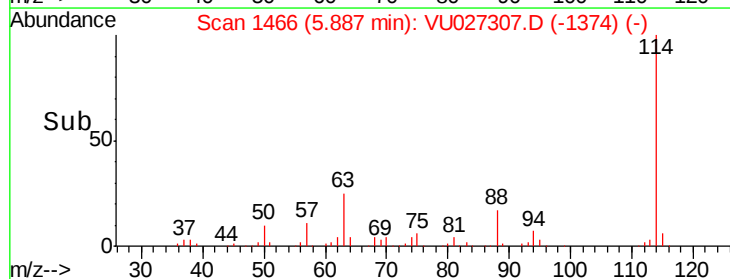
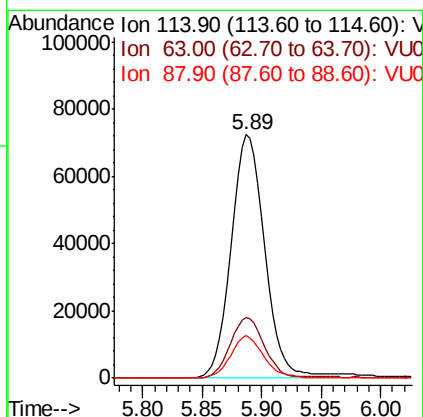
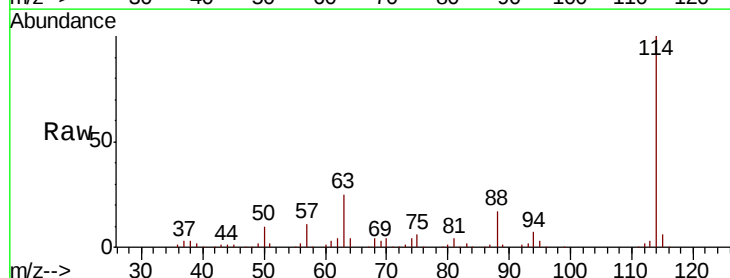
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

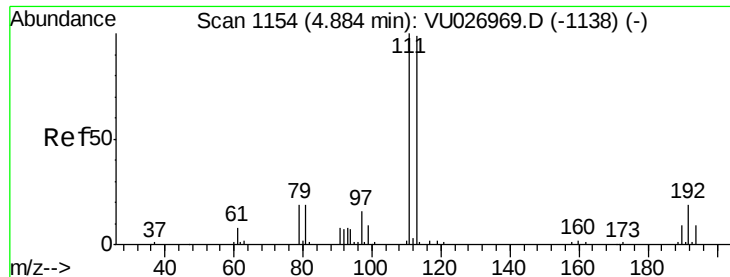
Tgt Ion: 65 Resp: 82145
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 114 Resp: 142549
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.3 0.0 33.8

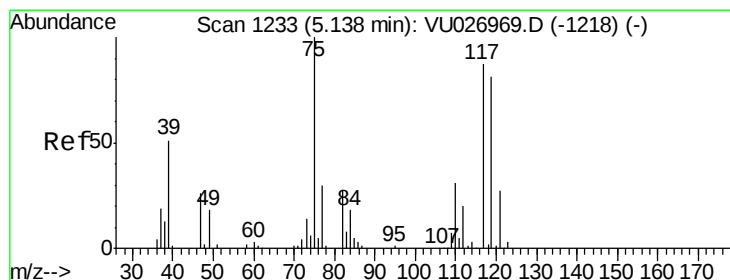
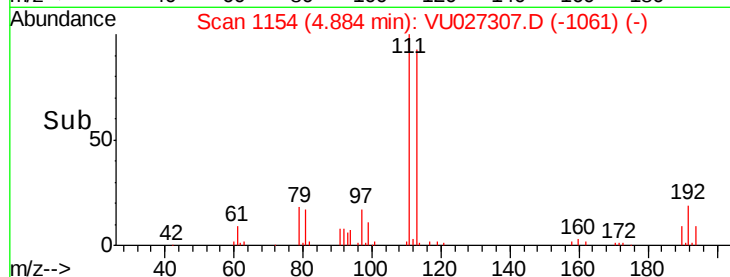
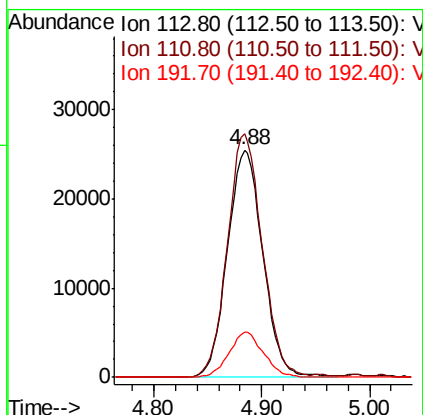
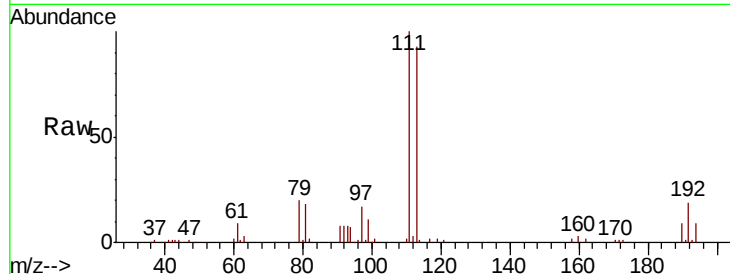




#35
 Dibromofluoromethane
 Concen: 47.181 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

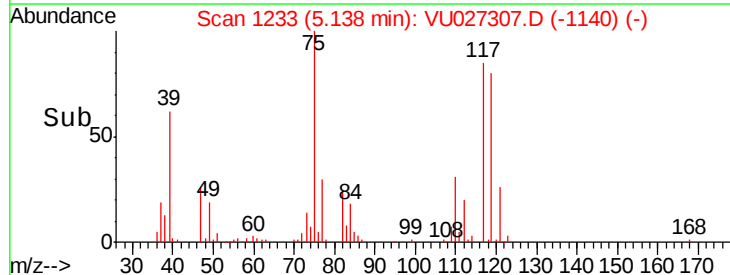
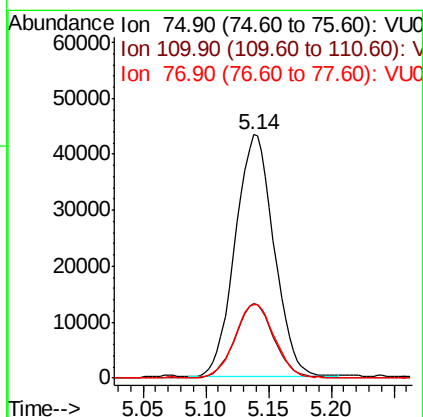
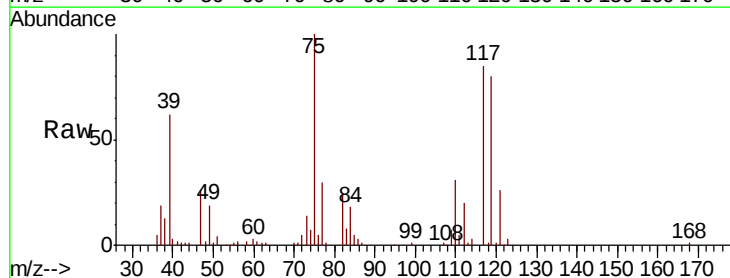
Instrument :
 MSVOA_U
 ClientSampled :
 SA-TW502-0913MS

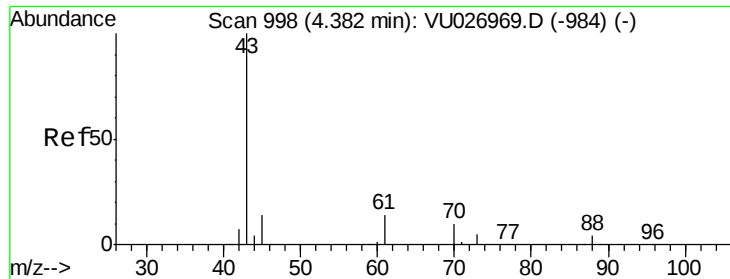
Tgt Ion: 113 Resp: 58298
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.2 123.4
 192 19.4 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 48.970 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 93164
 Ion Ratio Lower Upper
 75 100
 110 31.1 16.1 48.2
 77 30.4 24.6 36.8

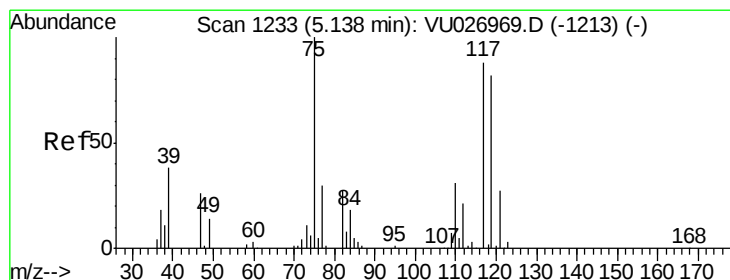
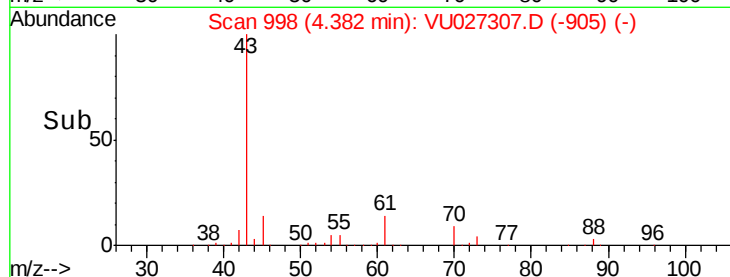
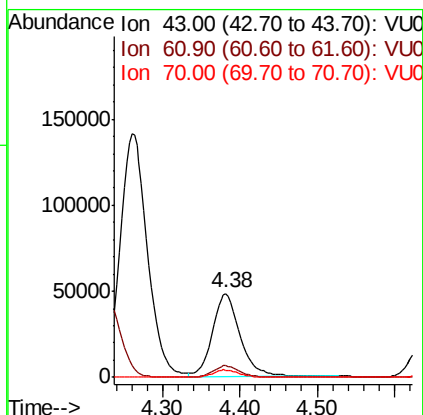
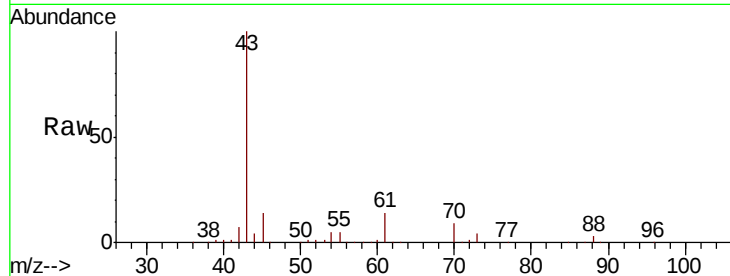




#37
Ethyl Acetate
Concen: 47.039 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

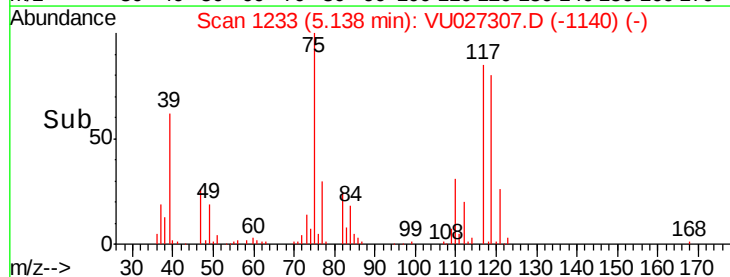
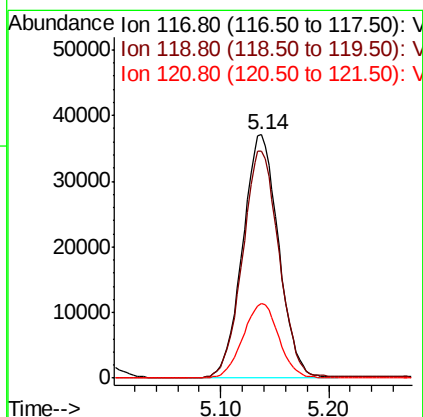
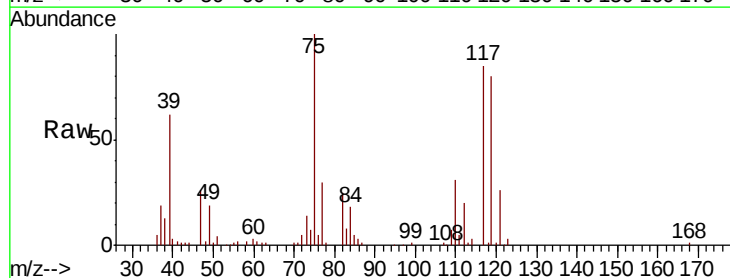
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

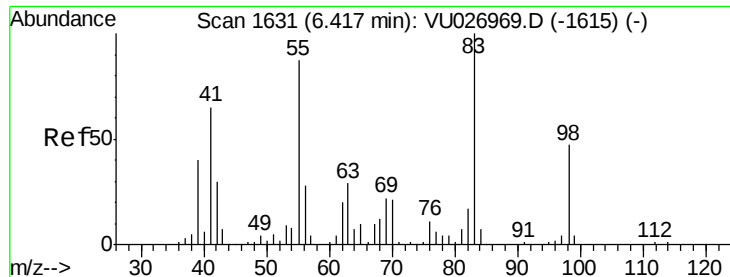
Tgt Ion: 43 Resp: 121148
Ion Ratio Lower Upper
43 100
61 12.3 10.5 15.7
70 8.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 47.444 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 117 Resp: 85895
Ion Ratio Lower Upper
117 100
119 93.4 74.4 111.6
121 30.8 24.2 36.4

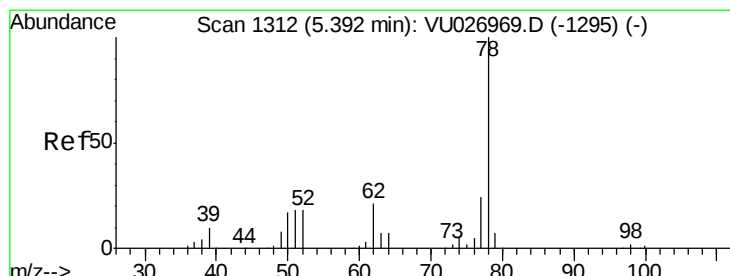
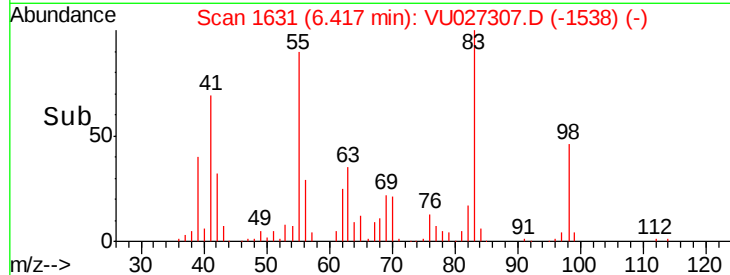
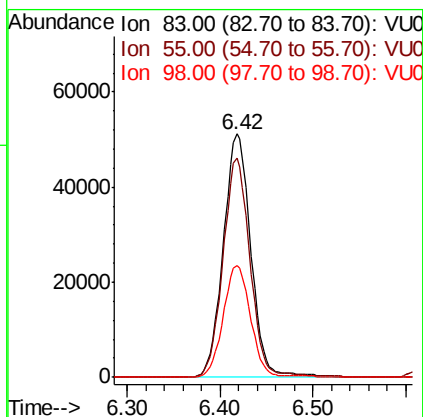
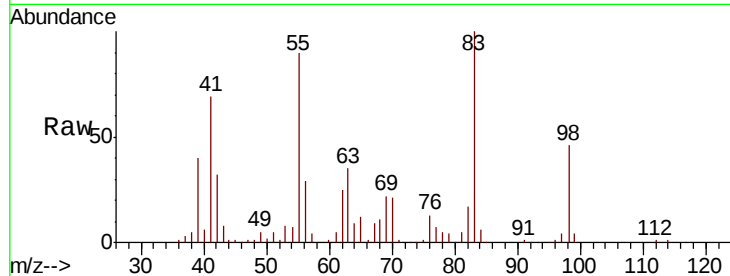




#39
Methylcyclohexane
Concen: 51.191 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

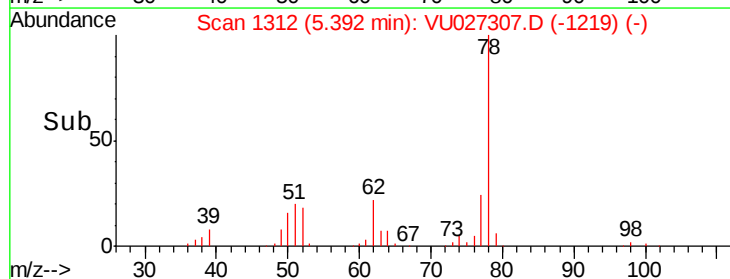
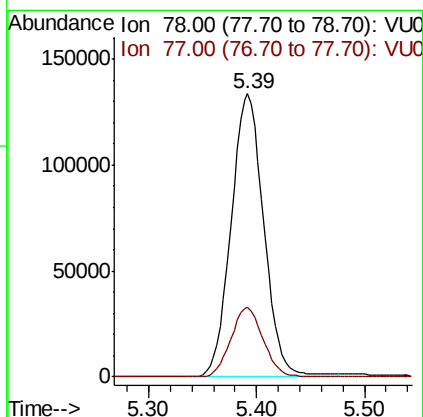
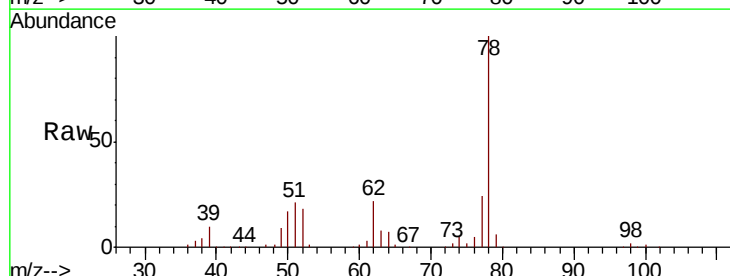
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion: 83 Resp: 105835
Ion Ratio Lower Upper
83 100
55 90.2 69.9 104.9
98 45.9 37.5 56.3



#40
Benzene
Concen: 48.938 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 78 Resp: 283035
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0

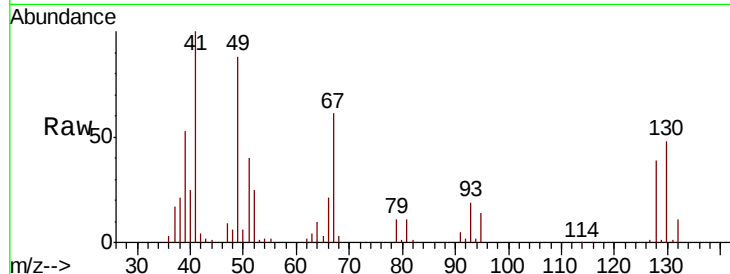




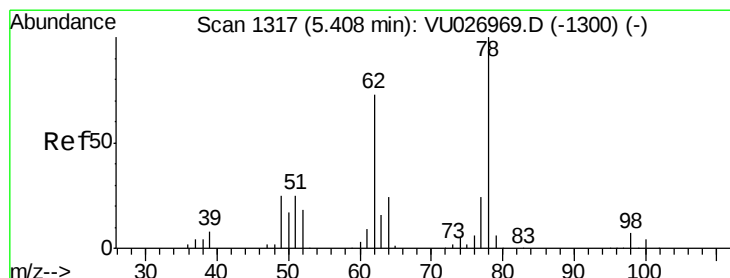
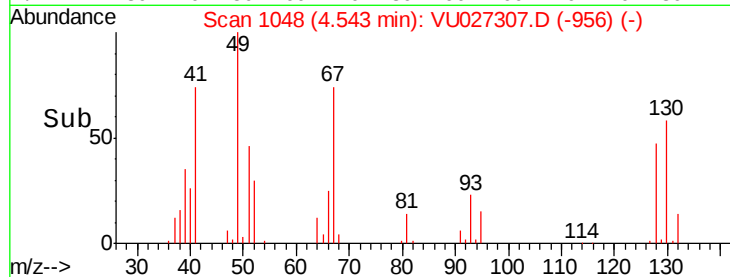
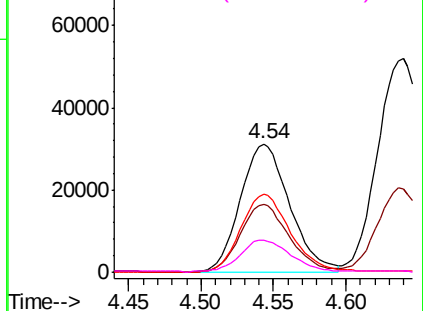
#41
Methacrylonitrile
Concen: 55.283 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion:	41	Resp:	73944
Ion	Ratio	Lower	Upper
41	100		
39	51.6	42.9	64.3
67	61.8	52.4	78.6
52	25.1	21.3	31.9

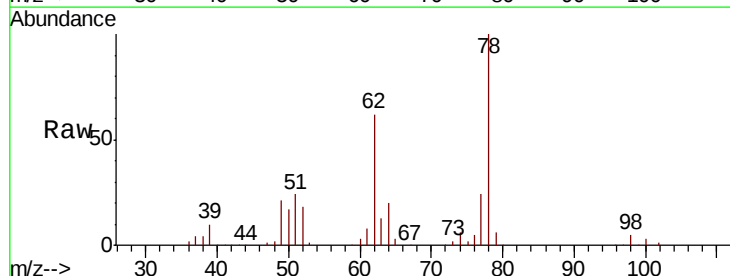


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

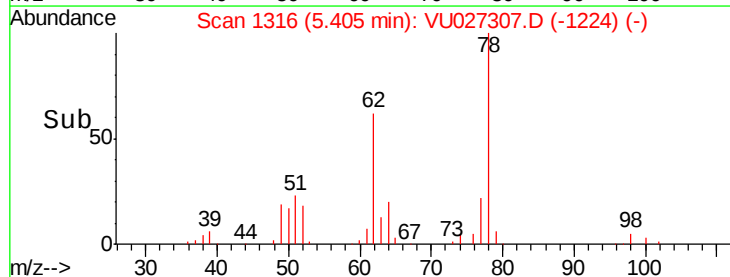
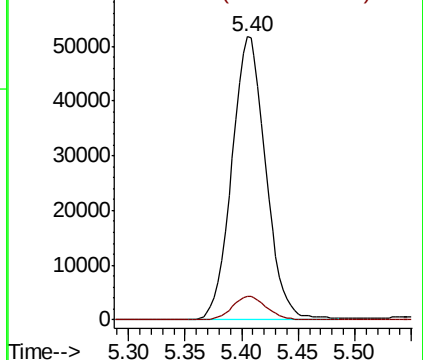


#42
1,2-Dichloroethane
Concen: 49.591 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:	62	Resp:	108361
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 50.378 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

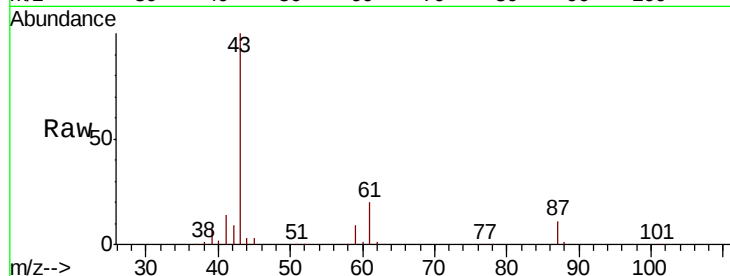
Tgt Ion: 43 Resp: 189219

Ion Ratio Lower Upper

43 100

61 19.4 15.7 23.5

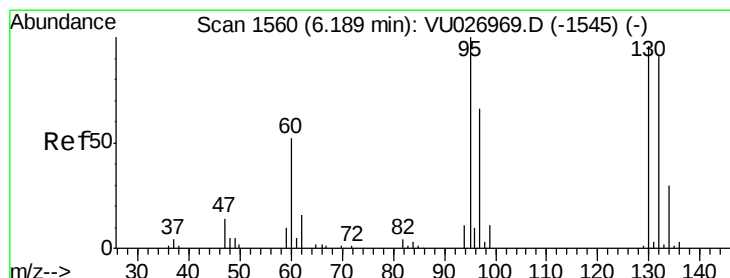
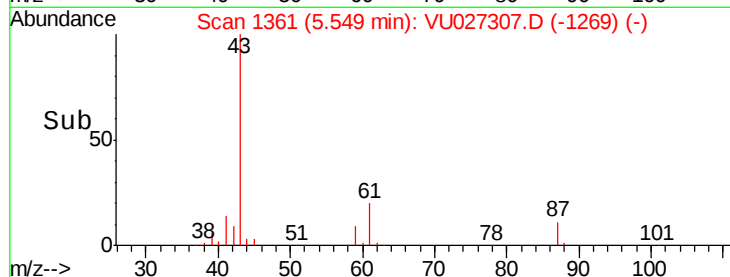
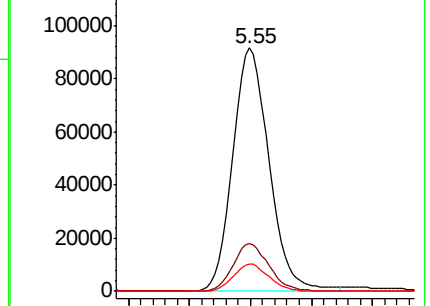
87 11.0 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#44

Trichloroethene

Concen: 48.270 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027307.D

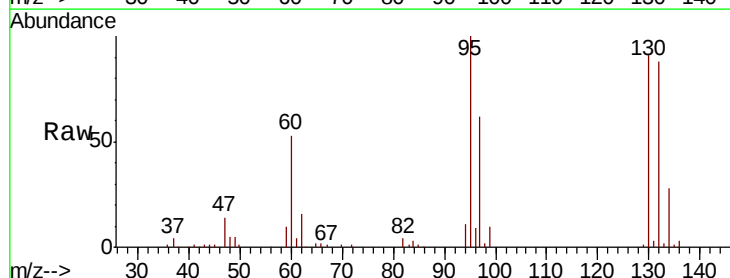
Acq: 29 Sep 2018 05:48

Tgt Ion: 130 Resp: 59433

Ion Ratio Lower Upper

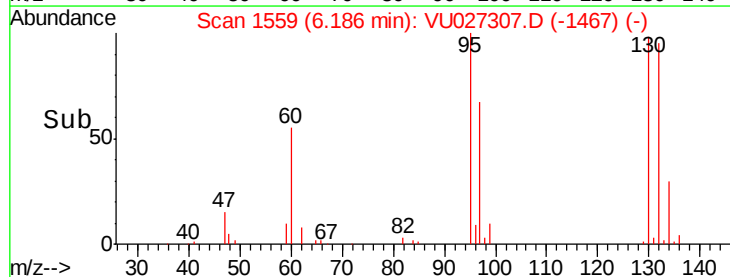
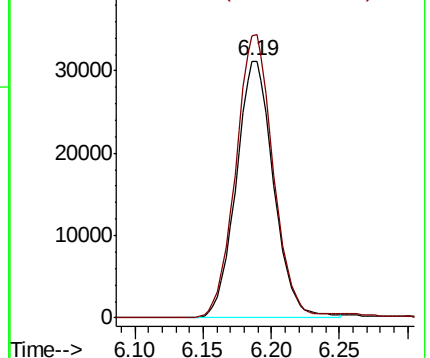
130 100

95 110.0 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)





#45

1,2-Dichloropropane

Concen: 50.300 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

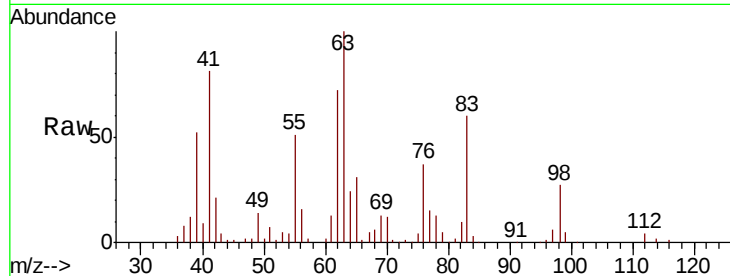
SA-TW502-0913MS

Tgt Ion: 63 Resp: 82890

Ion Ratio Lower Upper

63 100

65 31.5 24.3 36.5

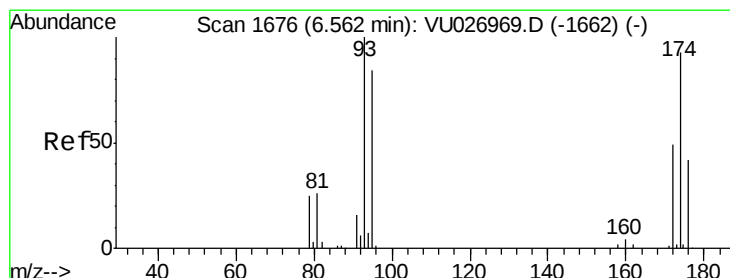
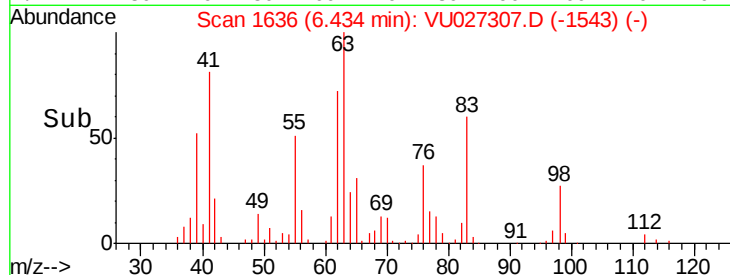


Abundance Ion 62.90 (62.60 to 63.60): VU027307.D (-1543) (-)

Ion 64.90 (64.60 to 65.60): VU027307.D (-1543) (-)

6.43

Time-->



#46

Dibromomethane

Concen: 48.529 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

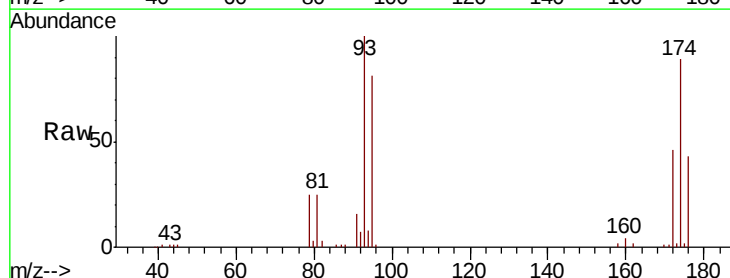
Tgt Ion: 93 Resp: 48299

Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.4

174 88.2 71.7 107.5



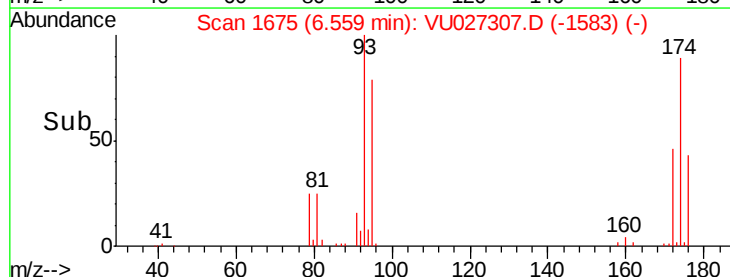
Abundance Ion 92.80 (92.50 to 93.50): VU027307.D (-1583) (-)

Ion 94.80 (94.50 to 95.50): VU027307.D (-1583) (-)

Ion 173.70 (173.40 to 174.40): VU027307.D (-1583) (-)

6.56

Time-->





#47

Bromodichloromethane

Concen: 48.357 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

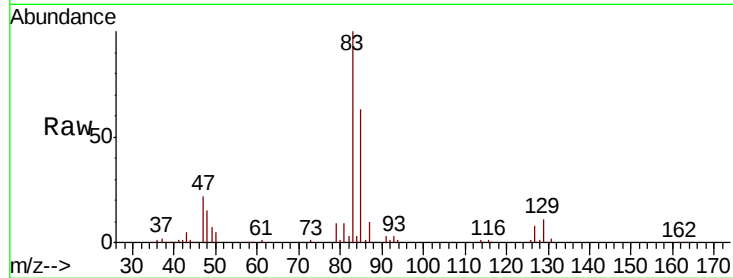
Tgt Ion: 83 Resp: 97317

Ion Ratio Lower Upper

83 100

85 63.2 52.5 78.7

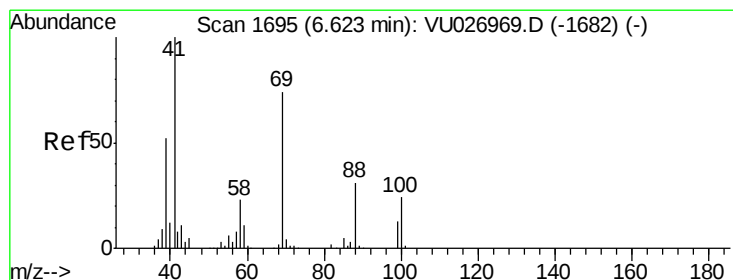
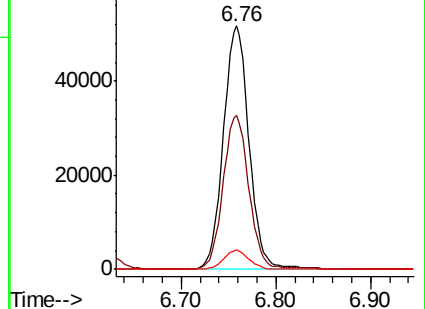
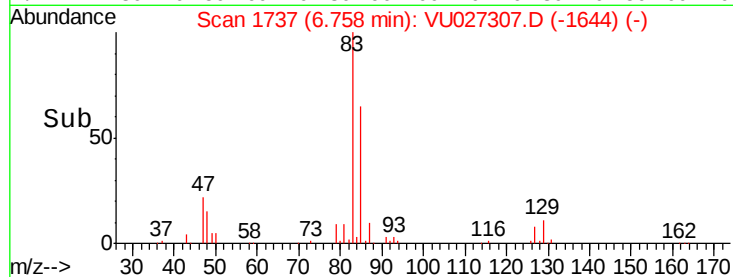
127 8.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU027307.D (-1644) (-)

Ion 84.90 (84.60 to 85.60): VU027307.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU027307.D (-1644) (-)



#48

Methyl methacrylate

Concen: 49.920 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

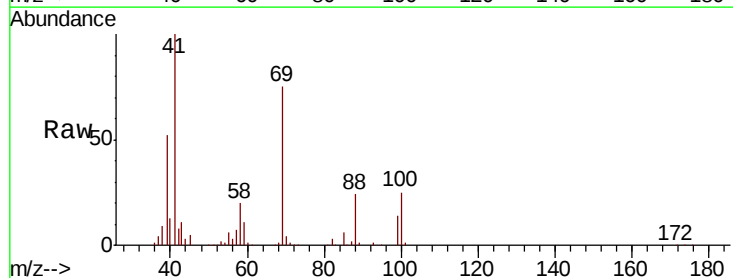
Tgt Ion: 41 Resp: 102049

Ion Ratio Lower Upper

41 100

69 75.6 60.6 90.8

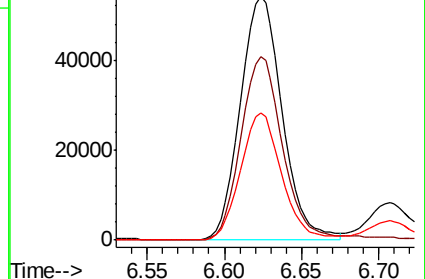
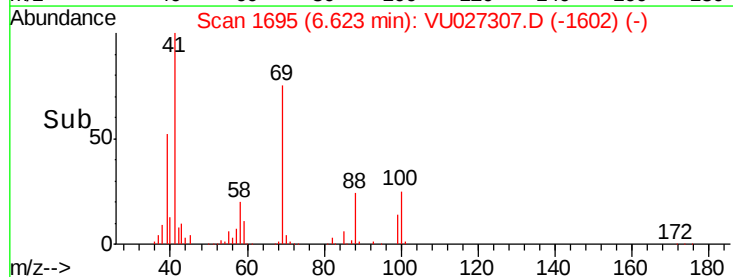
39 51.5 42.8 64.2

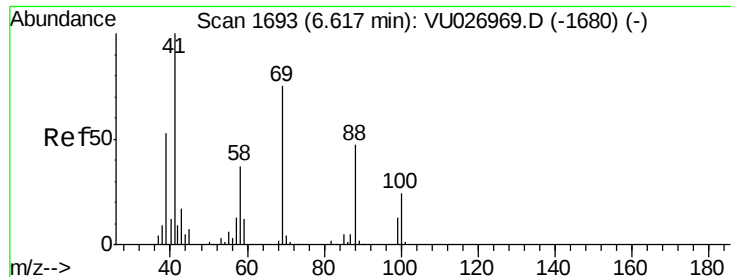


Abundance Ion 41.00 (40.70 to 41.70): VU027307.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU027307.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU027307.D (-1602) (-)

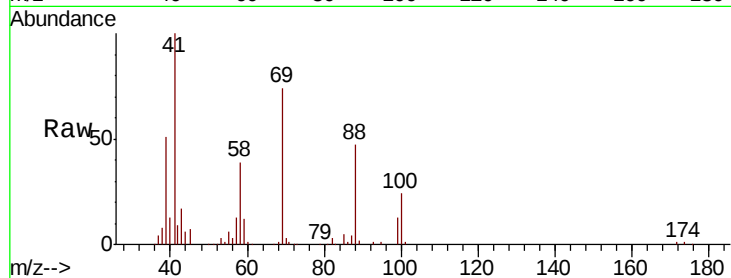




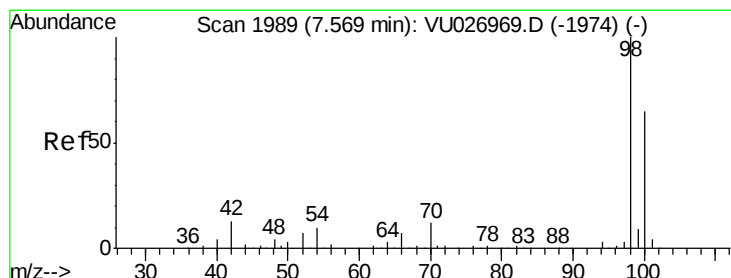
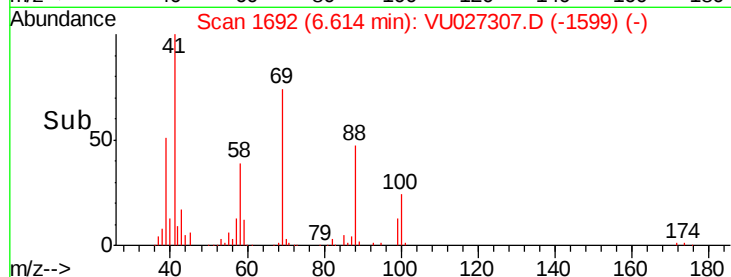
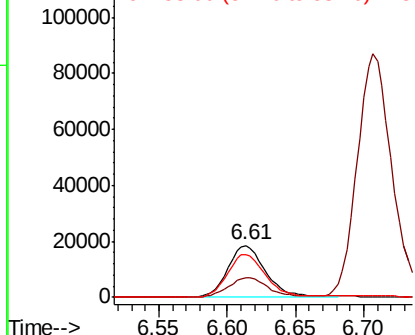
#49
1,4-Dioxane
Concen: 888.866 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion: 88 Resp: 36095
Ion Ratio Lower Upper
88 100
43 37.8 29.8 44.8
58 82.4 63.9 95.9

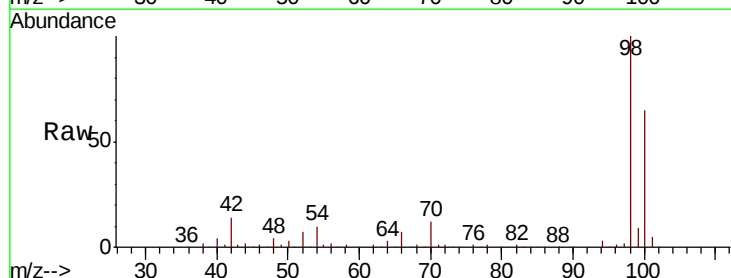


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

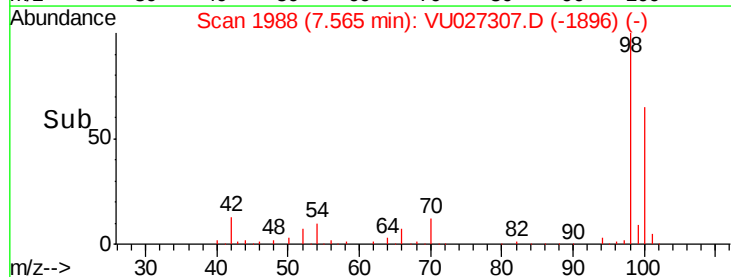
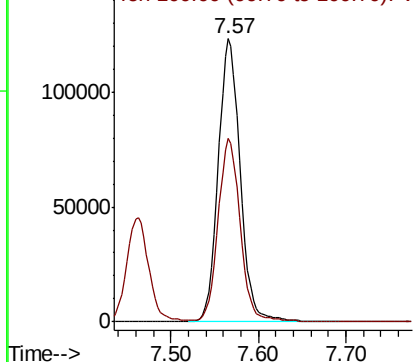


#50
Toluene-d8
Concen: 45.709 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 98 Resp: 215245
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 261.617 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

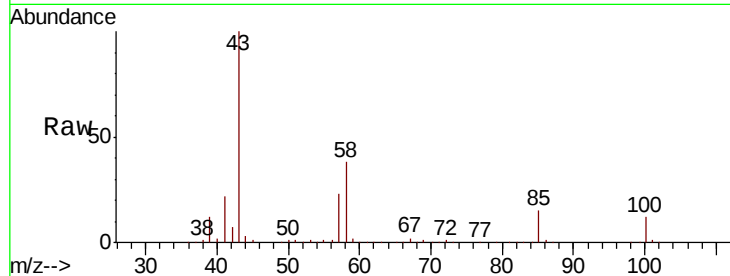
SA-TW502-0913MS

Tgt Ion: 43 Resp: 660878

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027307.D (-1863) (-)

7.46

400000

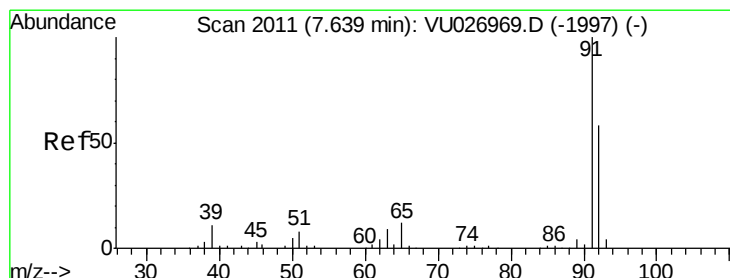
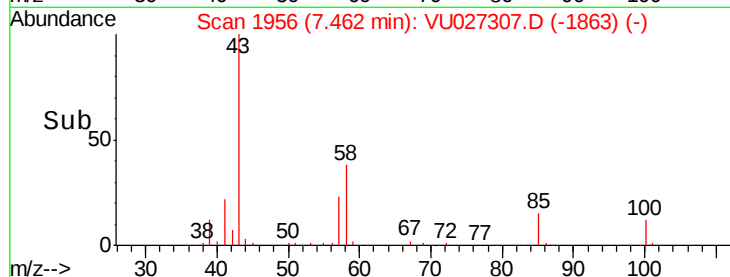
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.452 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027307.D

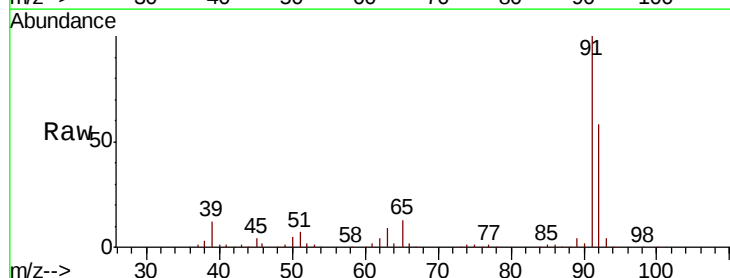
Acq: 29 Sep 2018 05:48

Tgt Ion: 92 Resp: 167255

Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027307.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027307.D (-1918) (-)

7.64

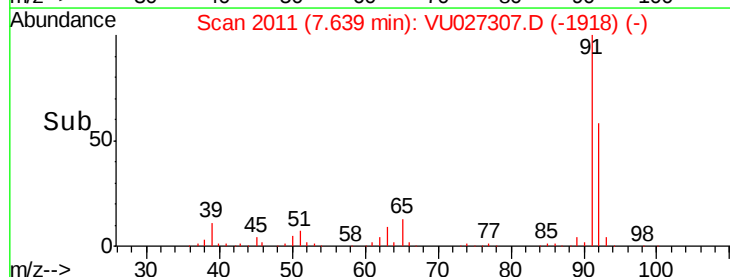
150000

100000

50000

0

Time-->

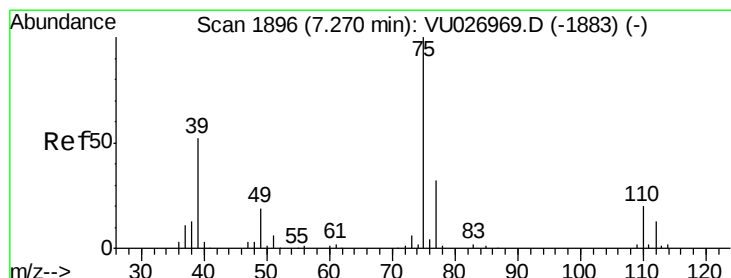
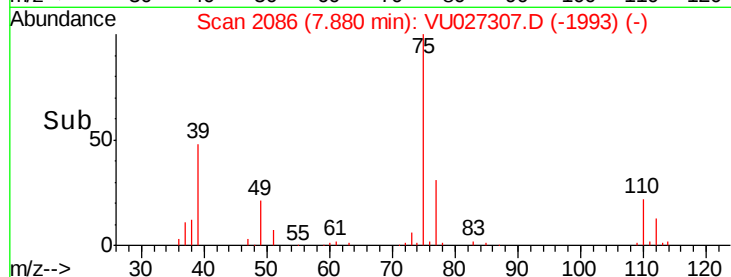
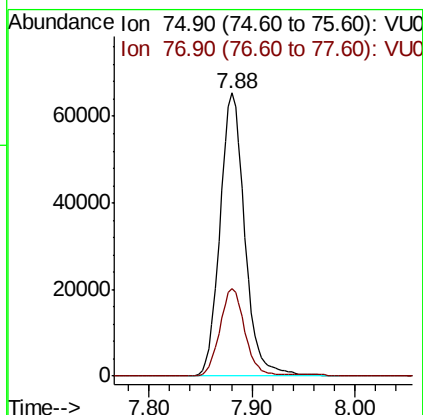
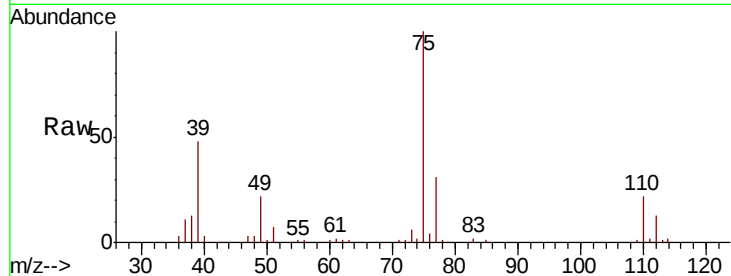




#53
t-1,3-Dichloropropene
Concen: 50.622 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

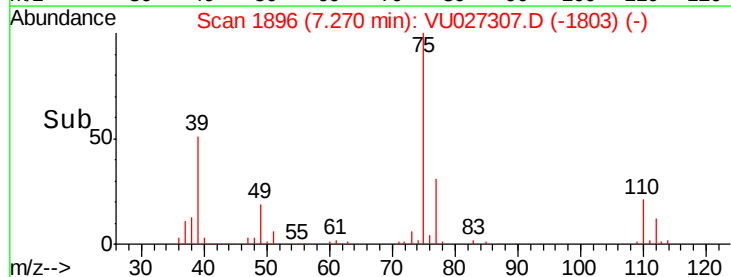
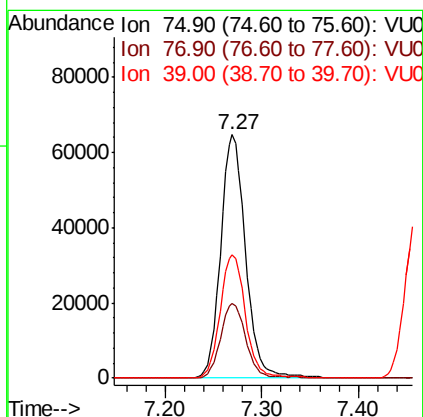
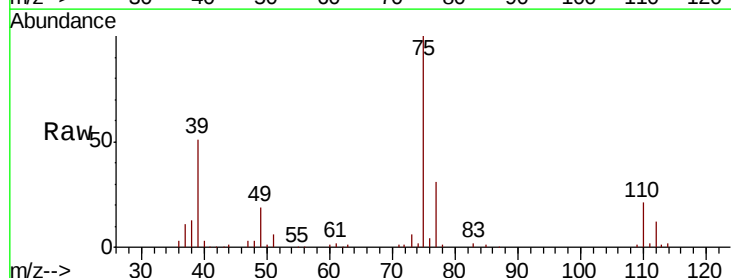
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion: 75 Resp: 109455
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 48.601 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 115546
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 50.5 41.6 62.4





#55

1,1,2-Trichloroethane

Concen: 49.164 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tgt Ion: 97 Resp: 69061

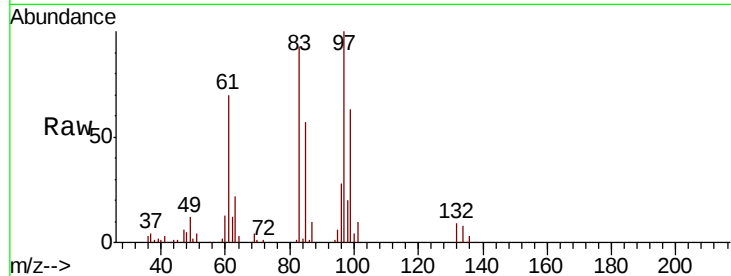
Ion Ratio Lower Upper

97 100

83 93.1 73.1 109.7

85 57.4 46.7 70.1

99 62.8 50.0 75.0

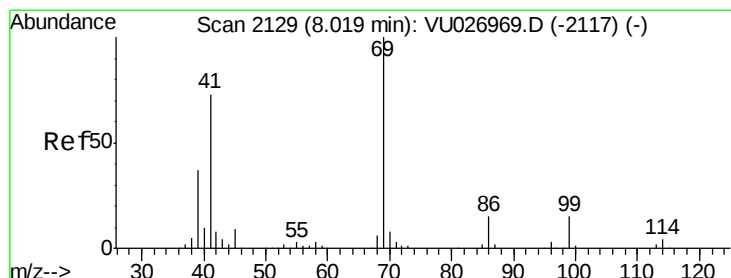
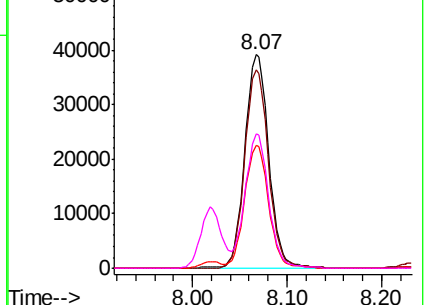
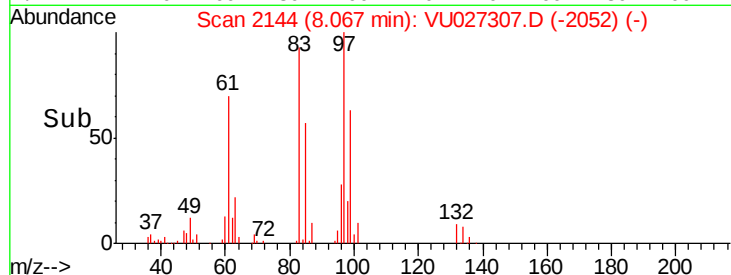


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 47.997 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

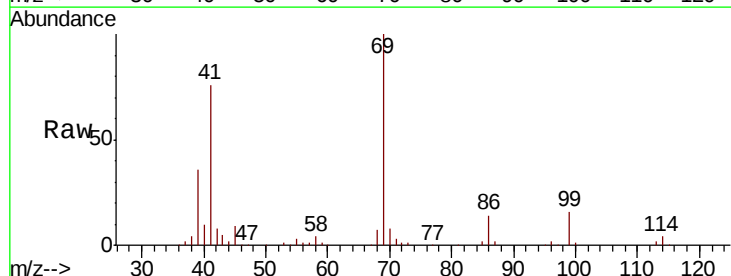
Tgt Ion: 69 Resp: 116758

Ion Ratio Lower Upper

69 100

41 76.5 59.0 88.4

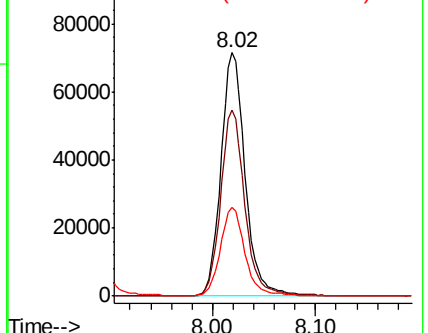
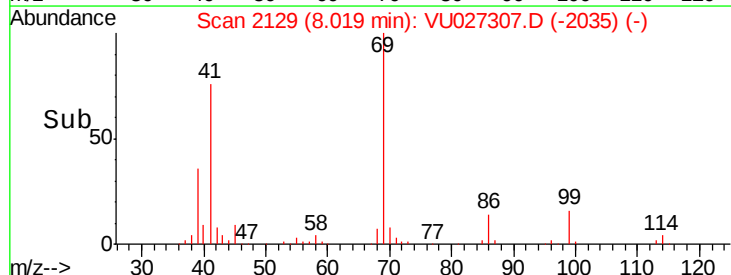
39 36.4 30.2 45.4

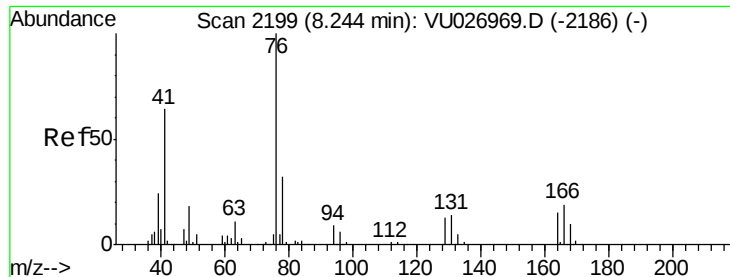


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.901 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

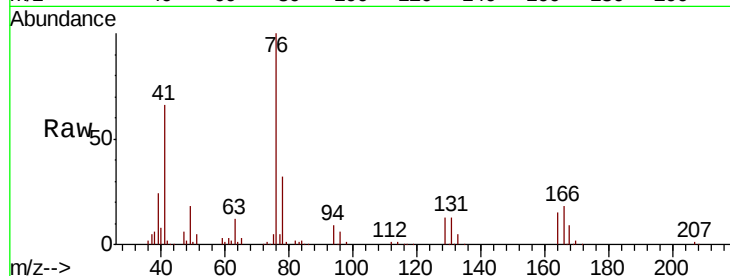
SA-TW502-0913MS

Tgt Ion: 76 Resp: 130373

Ion Ratio Lower Upper

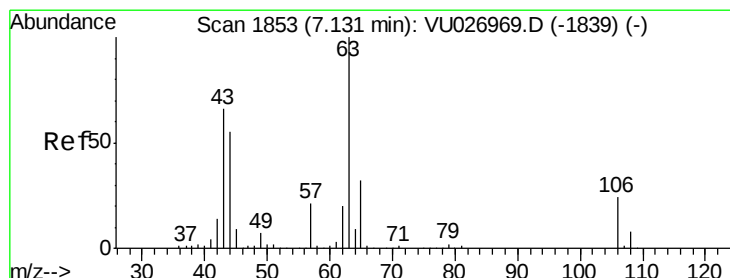
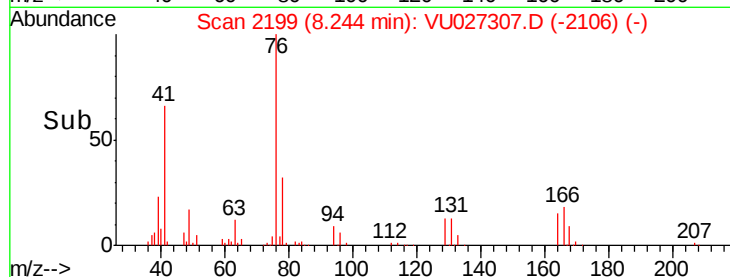
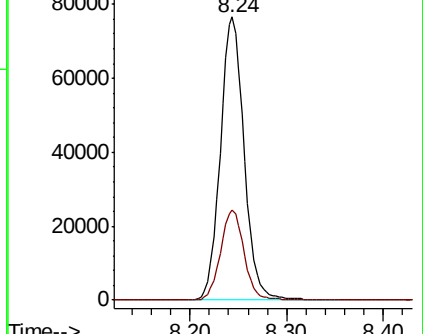
76 100

78 31.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 5.246 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.14 min

Lab File: VU027307.D

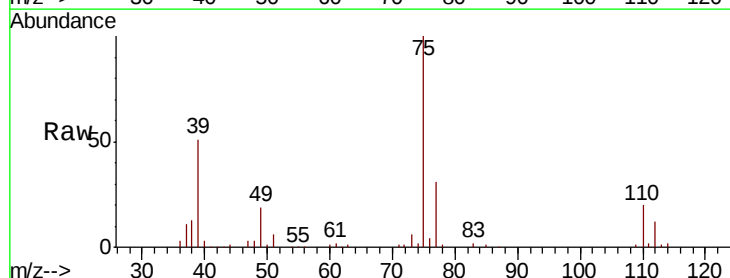
Acq: 29 Sep 2018 05:48

Tgt Ion: 63 Resp: 543

Ion Ratio Lower Upper

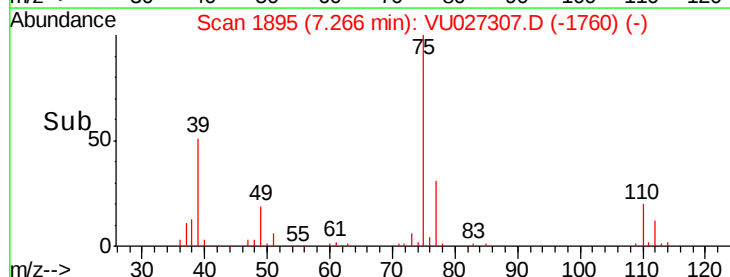
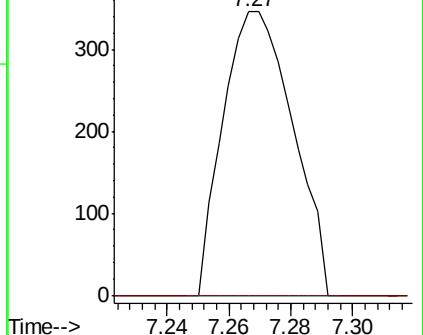
63 100

106 0.0 18.7 28.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

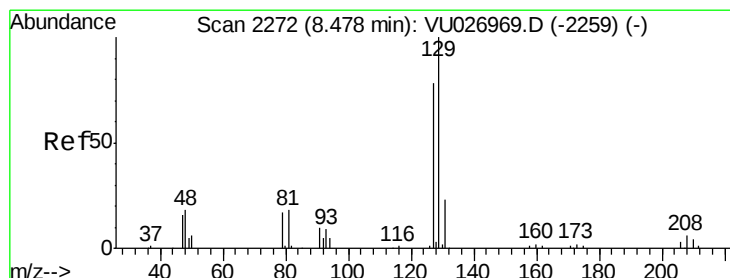
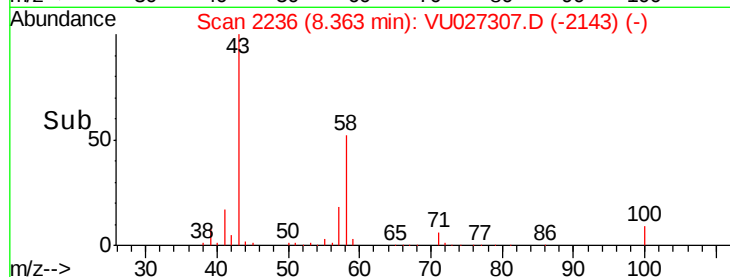
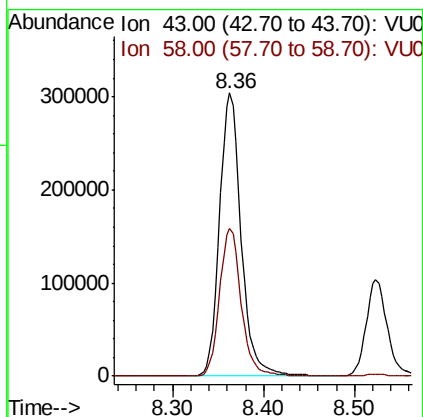
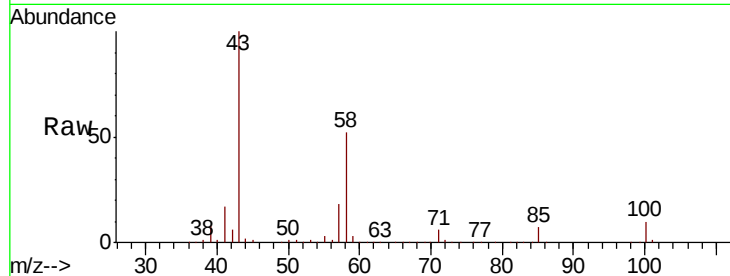




#59
2-Hexanone
Concen: 254.439 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

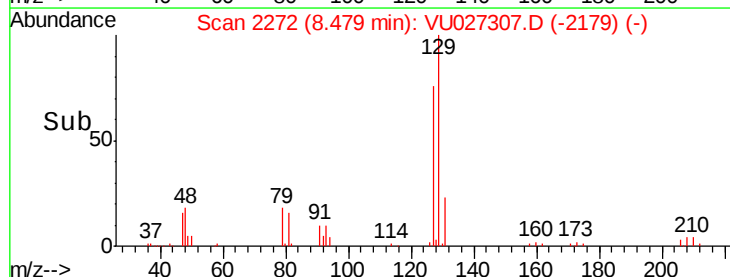
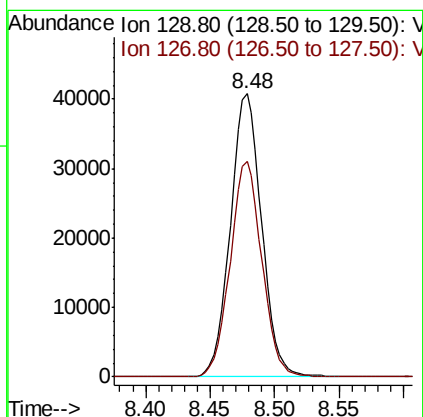
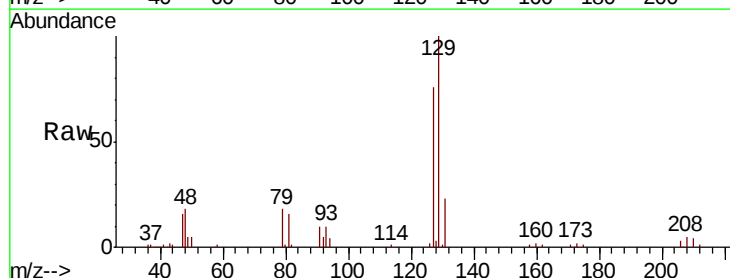
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion: 43 Resp: 503127
Ion Ratio Lower Upper
43 100
58 52.1 26.1 78.2



#60
Dibromochloromethane
Concen: 49.757 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 129 Resp: 68558
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 49.485 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

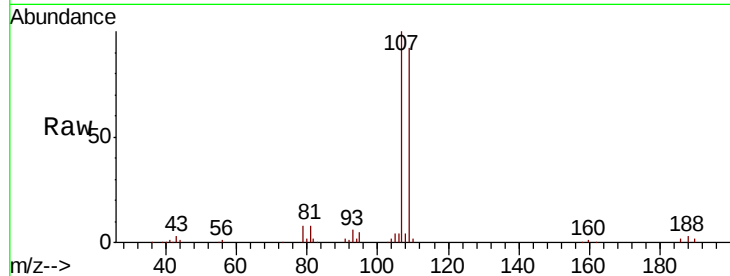
SA-TW502-0913MS

Tgt Ion: 107 Resp: 72324

Ion Ratio Lower Upper

107 100

109 92.8 75.0 112.6

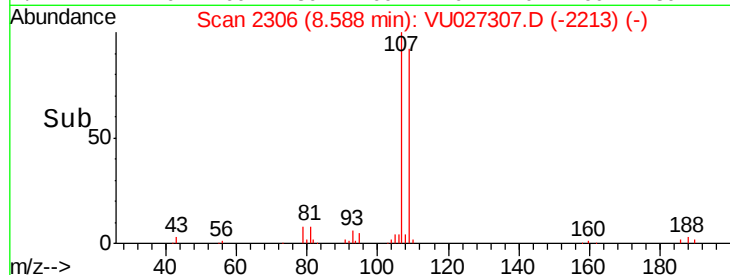


Abundance Ion 106.90 (106.60 to 107.60): V

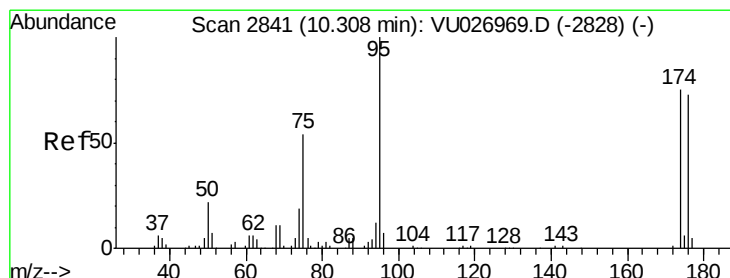
Ion 108.80 (108.50 to 109.50): V

8.59

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 49.754 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

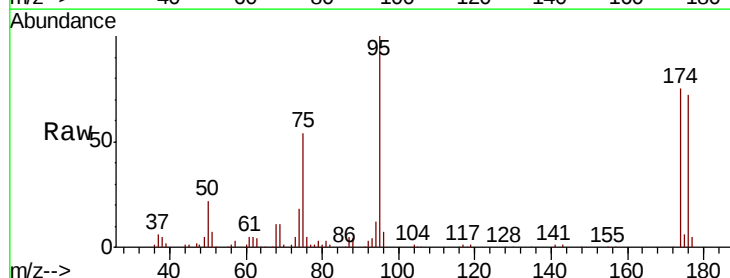
Tgt Ion: 95 Resp: 80393

Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 71.3 0.0 145.2



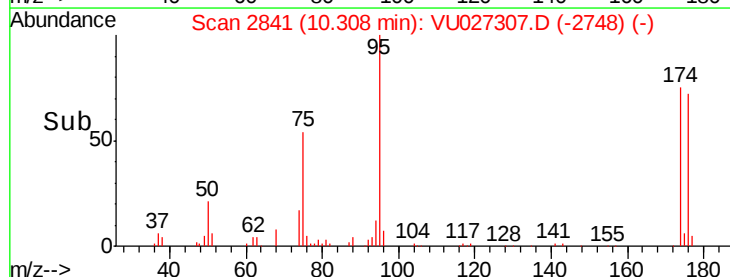
Abundance Ion 94.90 (94.60 to 95.60): VU0

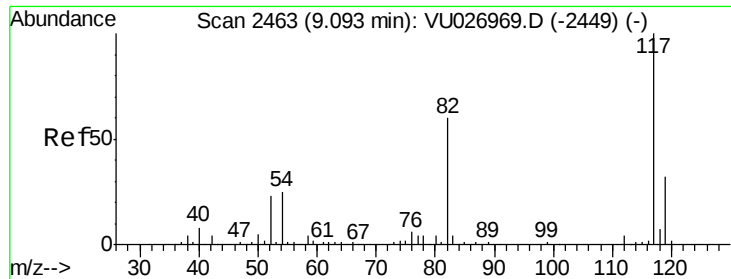
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

Time-->

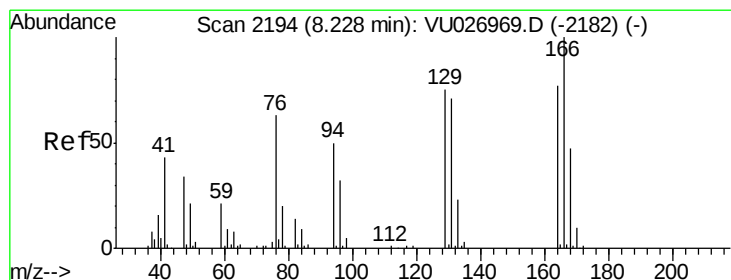
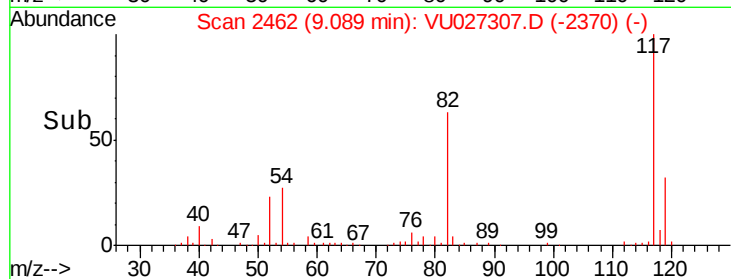
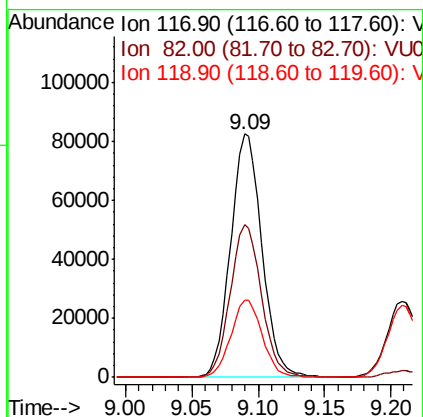
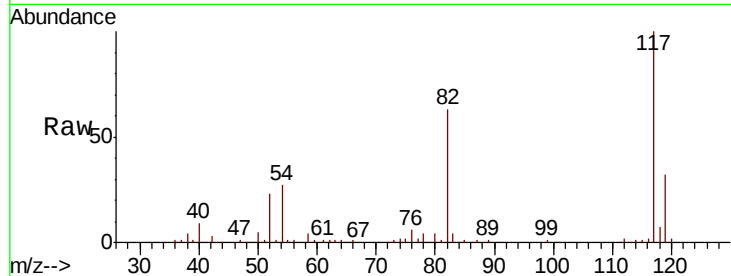




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

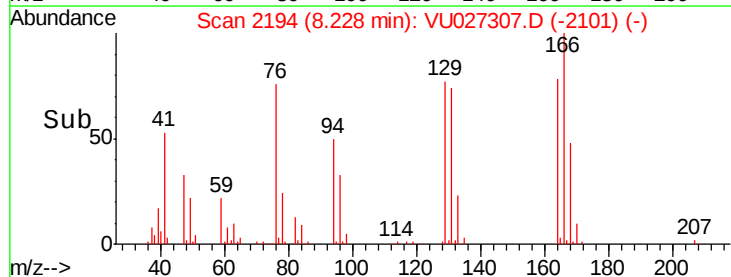
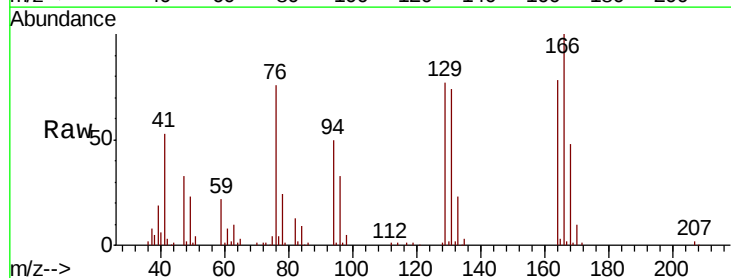
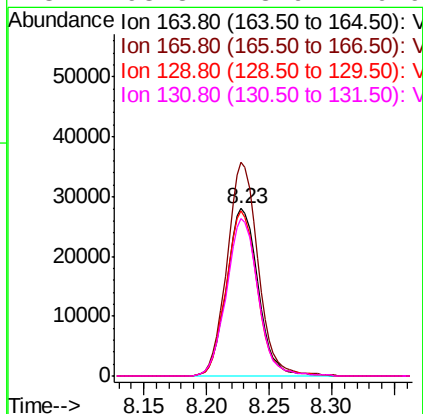
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

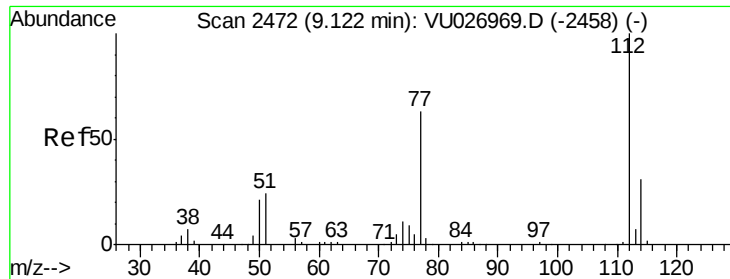
Tgt Ion:117 Resp: 135827
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 46.776 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:164 Resp: 48958
Ion Ratio Lower Upper
164 100
166 127.6 104.4 156.6
129 98.7 78.7 118.1
131 93.8 73.9 110.9

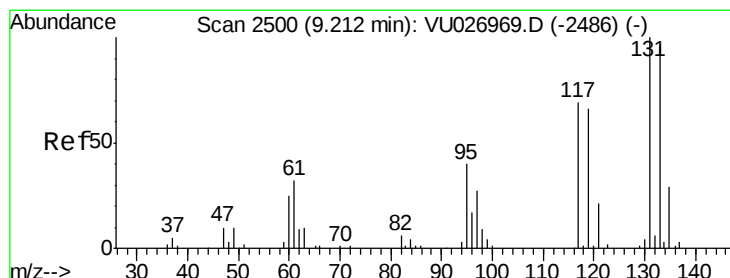
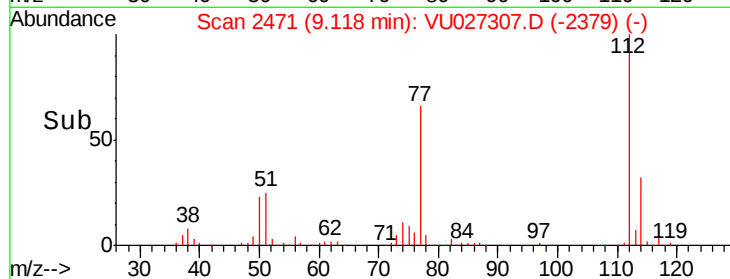
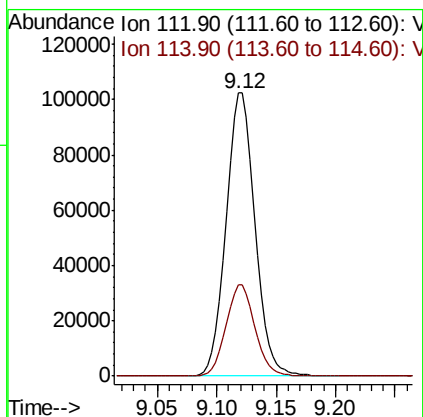
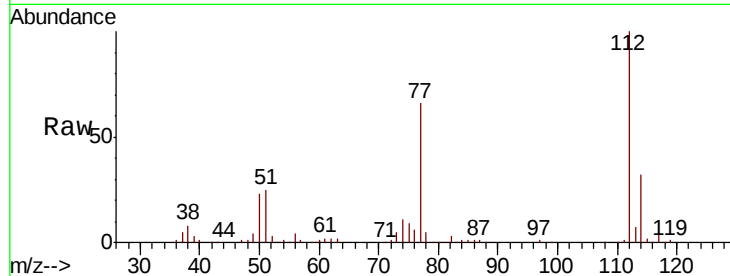




#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

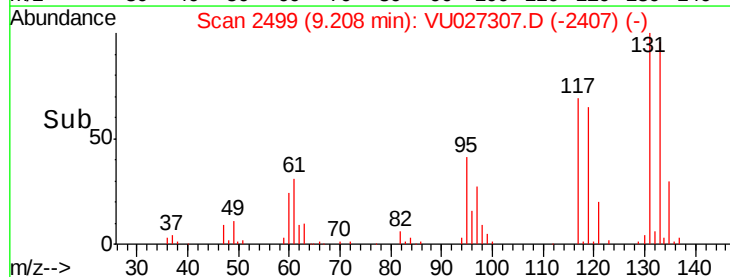
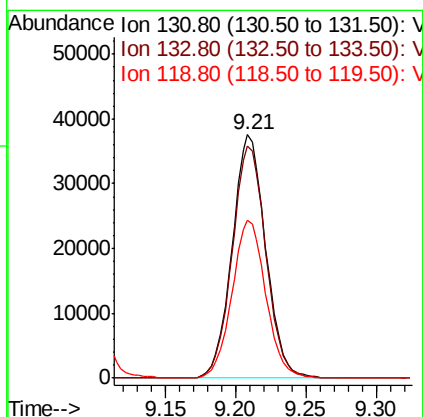
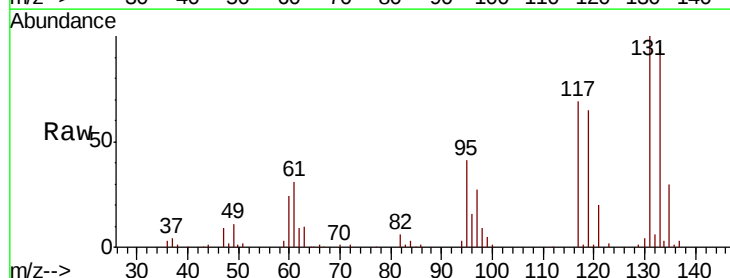
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

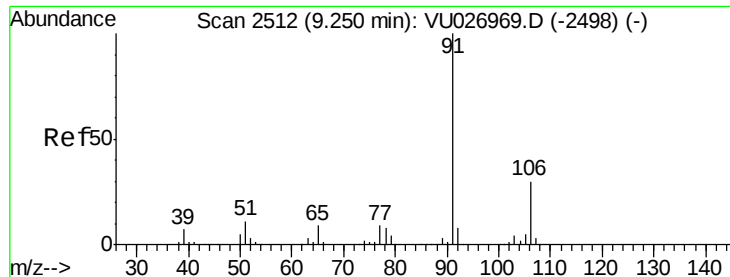
Tgt Ion:112 Resp: 172792
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.398 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:131 Resp: 62517
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.2 33.4 100.1

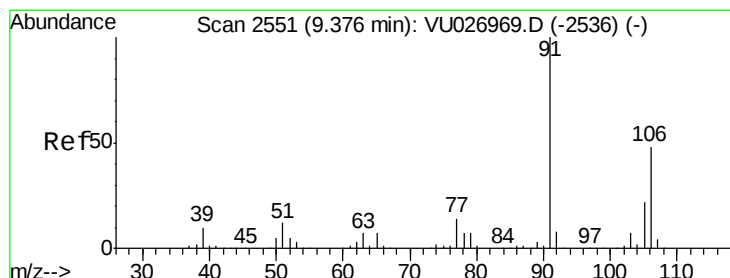
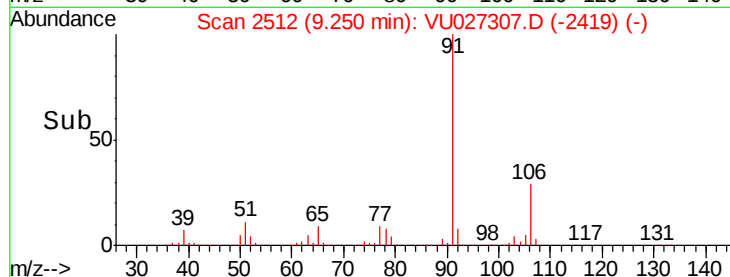
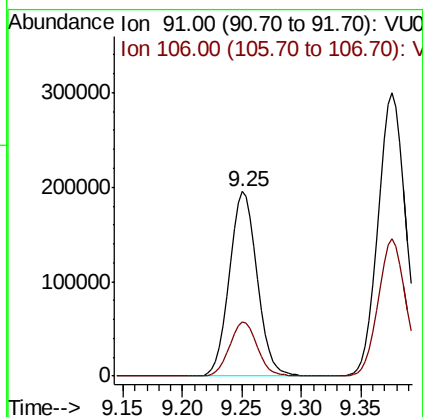
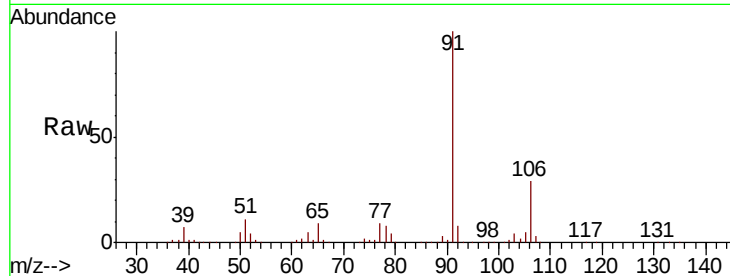




#67
 Ethyl Benzene
 Concen: 53.398 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

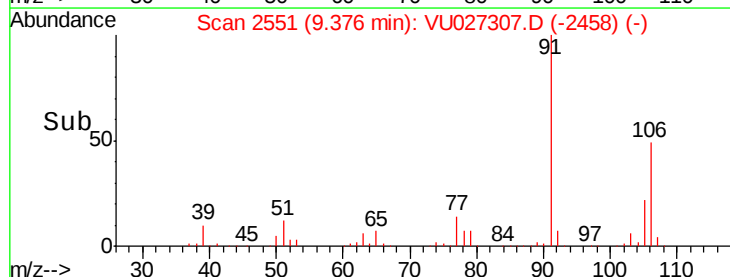
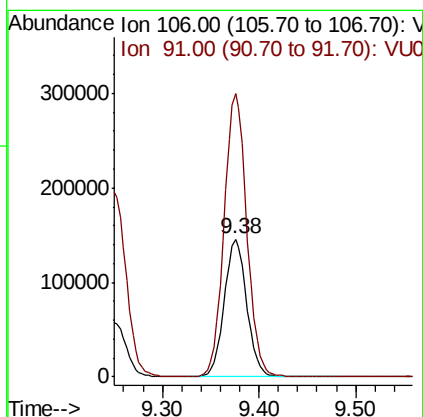
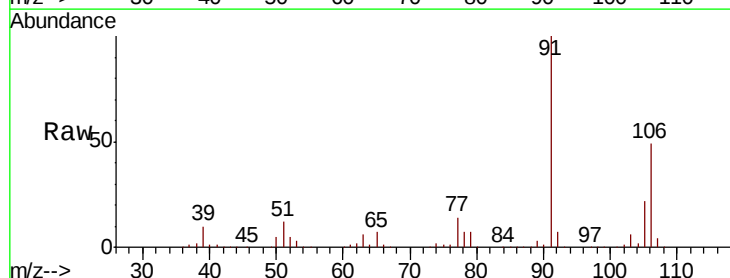
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tgt Ion: 91 Resp: 316232
 Ion Ratio Lower Upper
 91 100
 106 29.2 23.8 35.8



#68
 m/p-Xylenes
 Concen: 98.248 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 106 Resp: 235574
 Ion Ratio Lower Upper
 106 100
 91 207.1 166.5 249.7

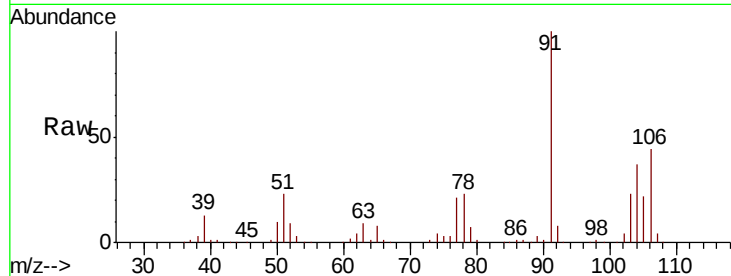




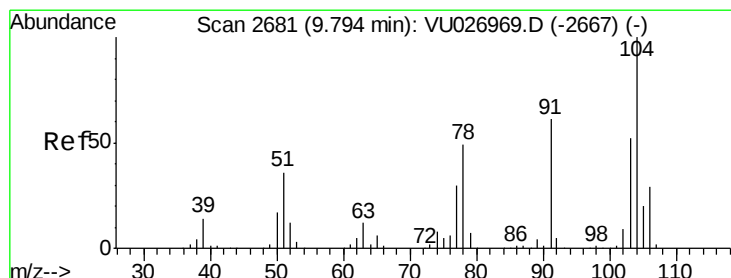
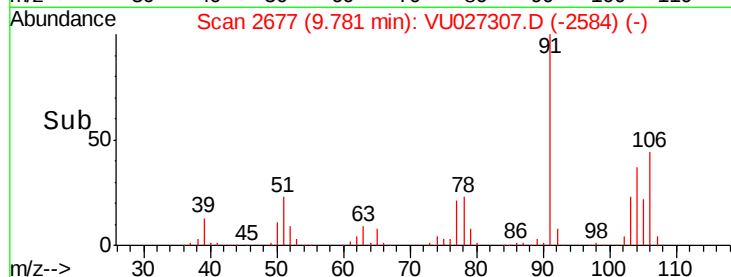
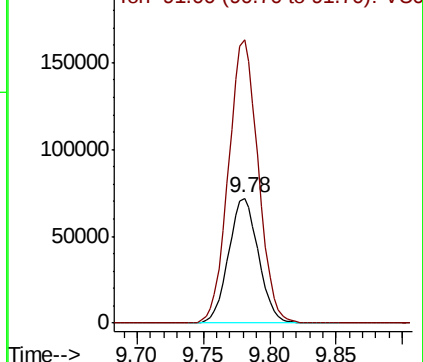
#69
o-Xylene
Concen: 53.575 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion:106 Resp: 112416
Ion Ratio Lower Upper
106 100
91 225.5 110.2 330.6

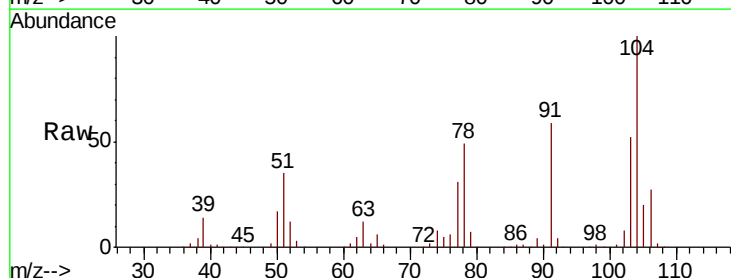


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

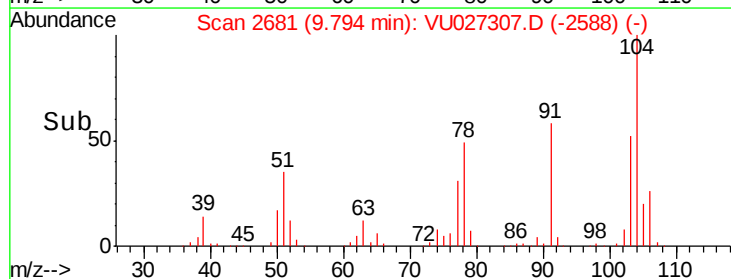
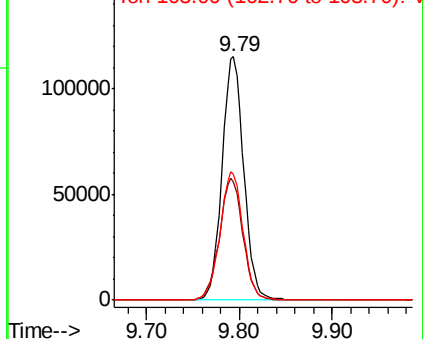


#70
Styrene
Concen: 47.802 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:104 Resp: 186960
Ion Ratio Lower Upper
104 100
78 53.7 43.0 64.4
103 55.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.628 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

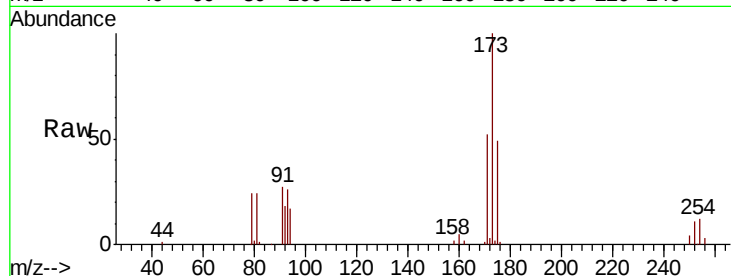
Tgt Ion:173 Resp: 48566

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

254 0.0 0.0 0.0

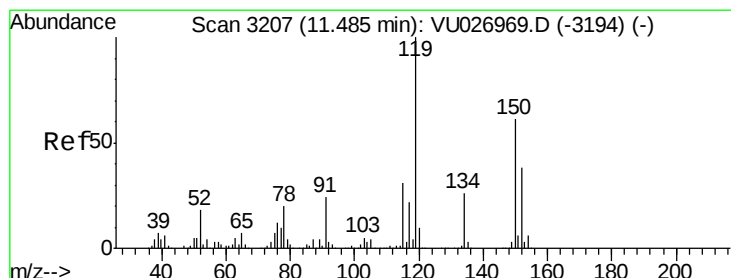
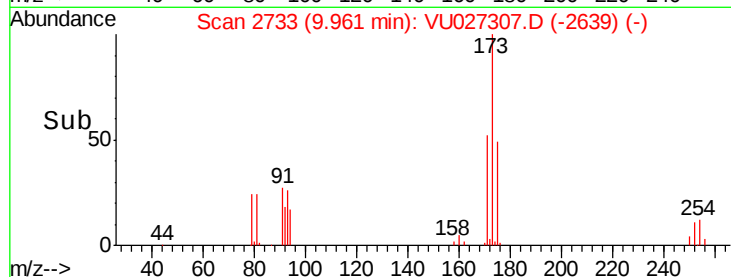
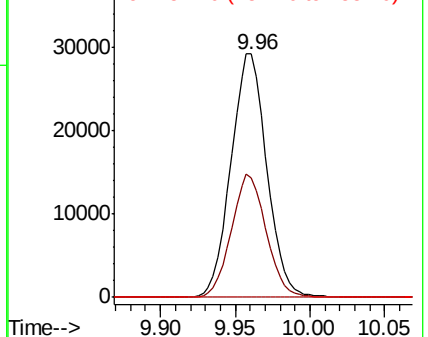


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

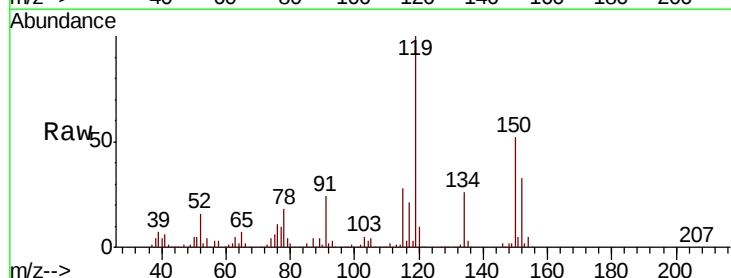
Tgt Ion:152 Resp: 73707

Ion Ratio Lower Upper

152 100

115 85.7 44.9 134.5

150 174.6 0.0 355.8

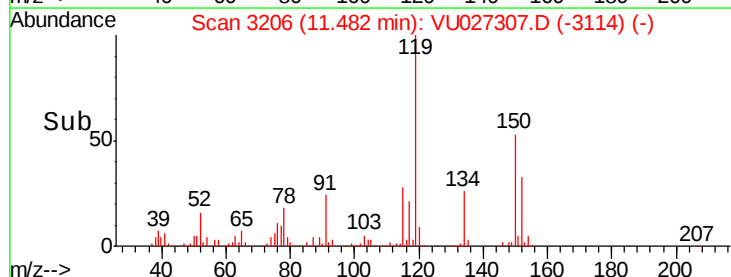
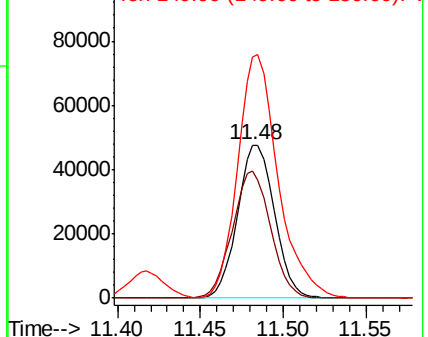


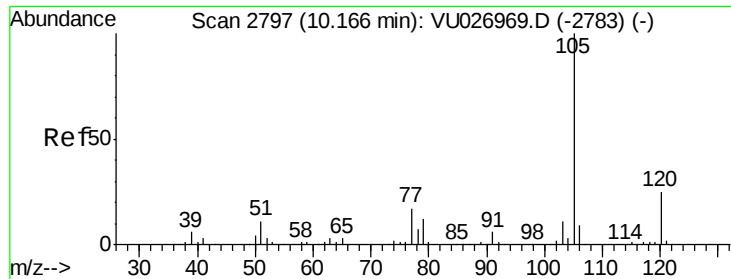
Abundance

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: 54.445 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

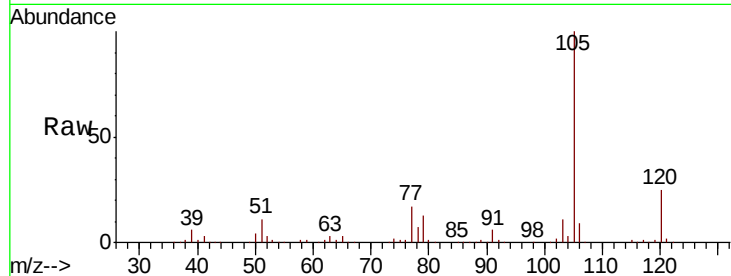
SA-TW502-0913MS

Tgt Ion: 105 Resp: 305264

Ion Ratio Lower Upper

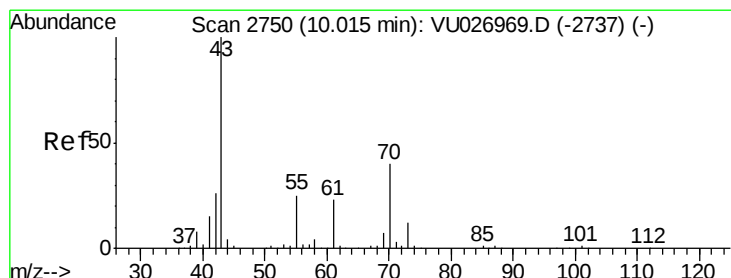
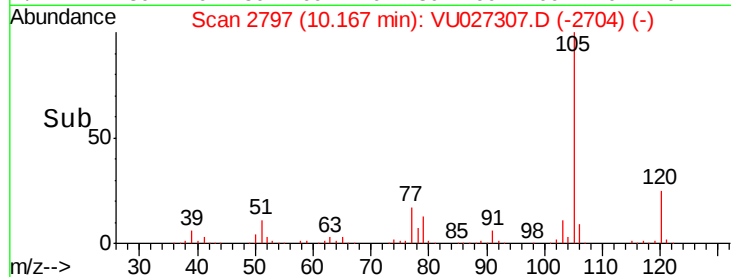
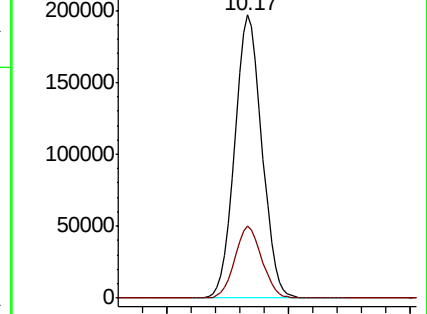
105 100

120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.663 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion: 43 Resp: 161180

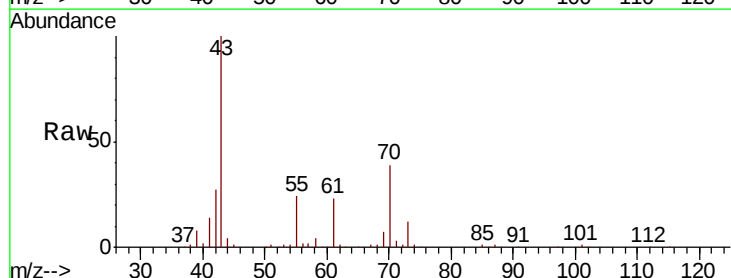
Ion Ratio Lower Upper

43 100

70 38.9 31.8 47.8

55 24.2 19.9 29.9

61 22.9 18.4 27.6

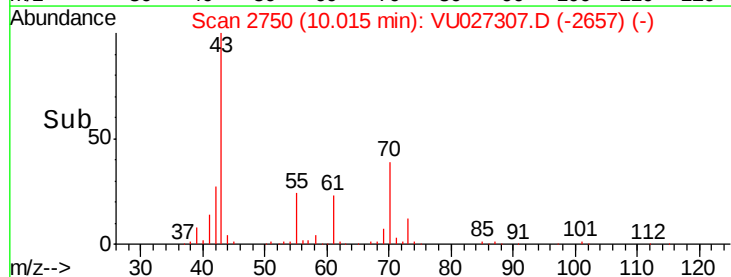
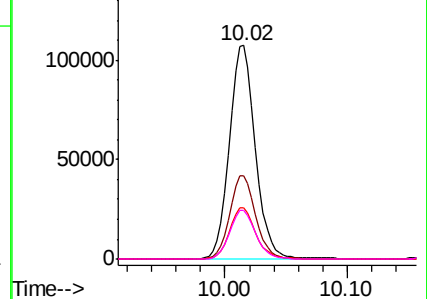


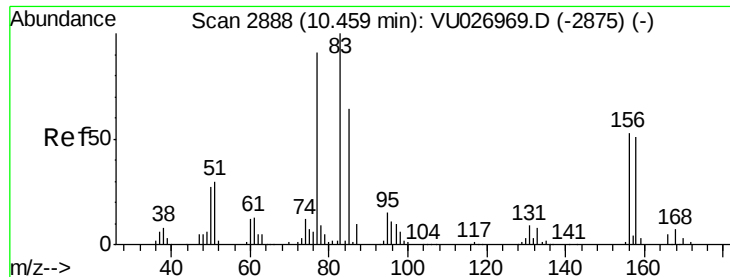
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.399 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

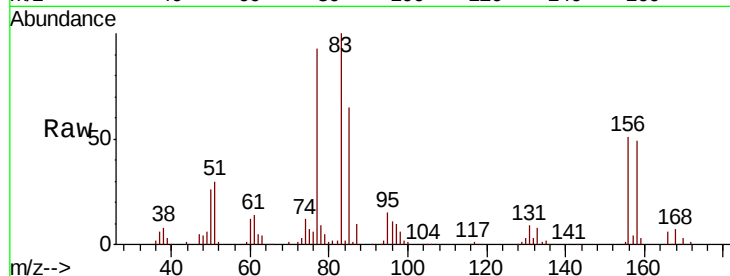
Tgt Ion: 83 Resp: 119609

Ion Ratio Lower Upper

83 100

131 8.5 4.3 12.8

85 63.6 31.9 95.7

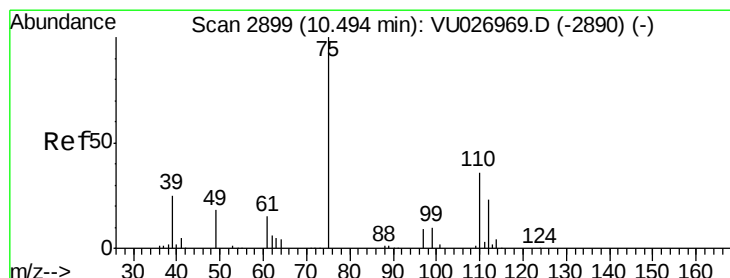
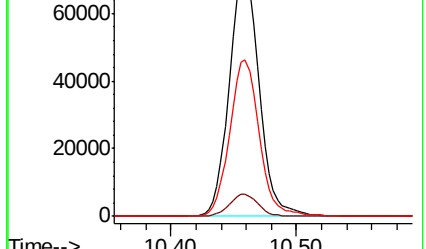
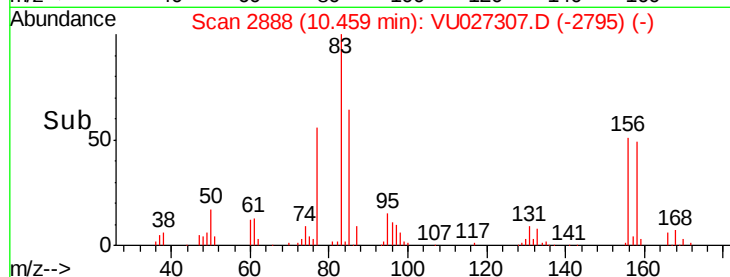


Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026969.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2875) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 59.536 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027307.D

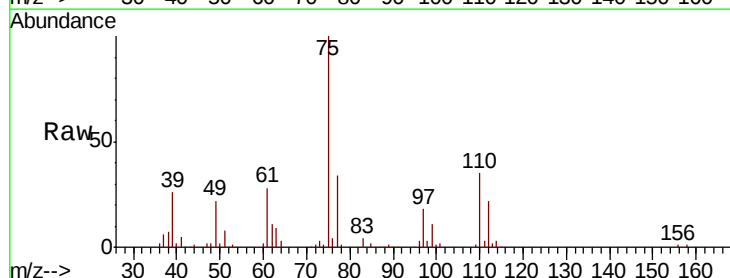
Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 133313

Ion Ratio Lower Upper

75 100

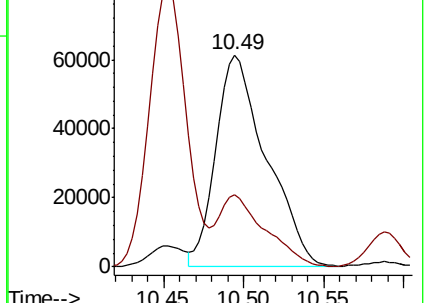
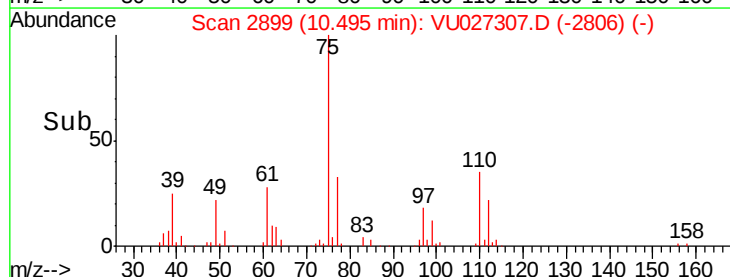
77 31.7 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)

Time-->





#77

Bromobenzene

Concen: 50.755 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

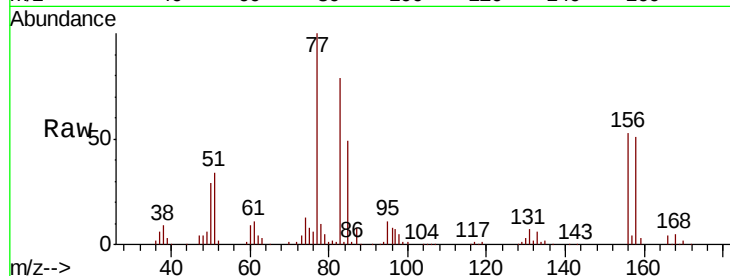
Tgt Ion:156 Resp: 69541

Ion Ratio Lower Upper

156 100

77 190.5 92.3 276.9

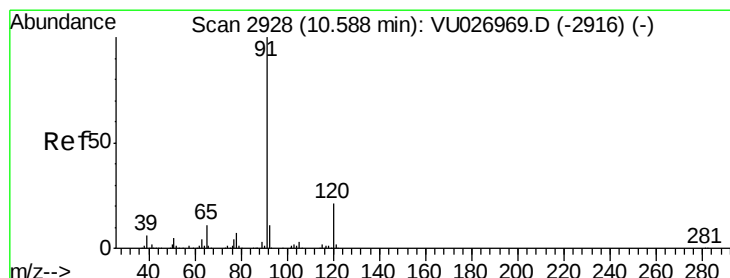
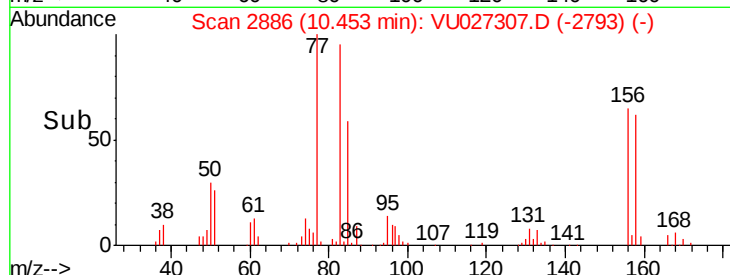
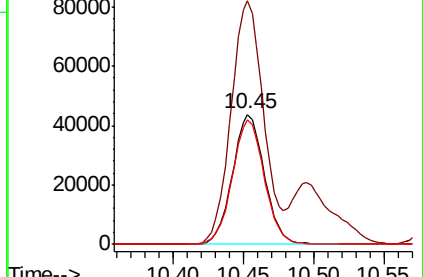
158 95.5 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.466 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027307.D

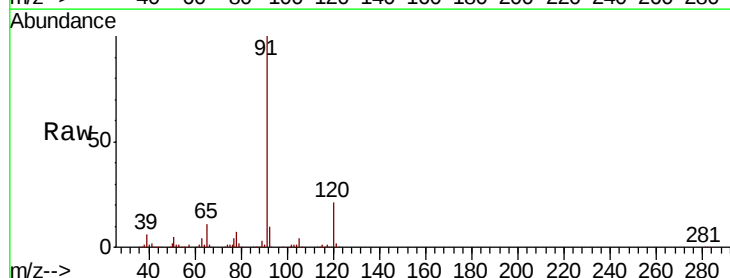
Acq: 29 Sep 2018 05:48

Tgt Ion: 91 Resp: 361334

Ion Ratio Lower Upper

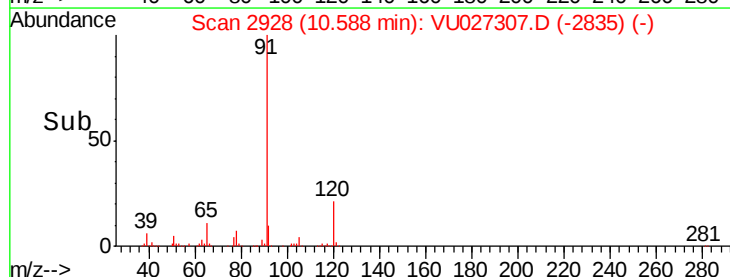
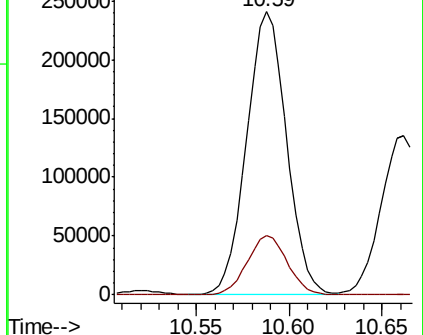
91 100

120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

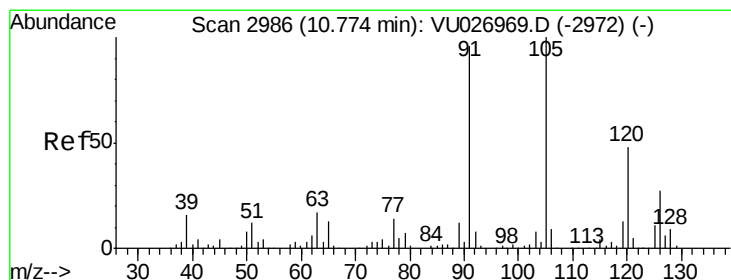
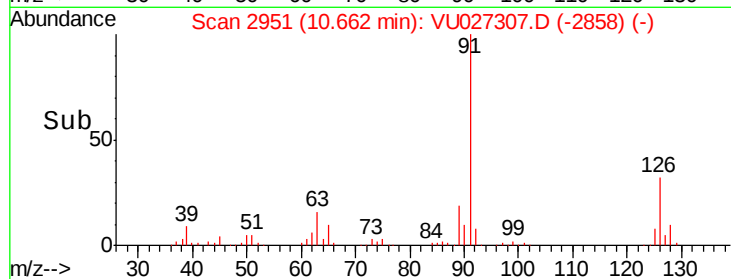
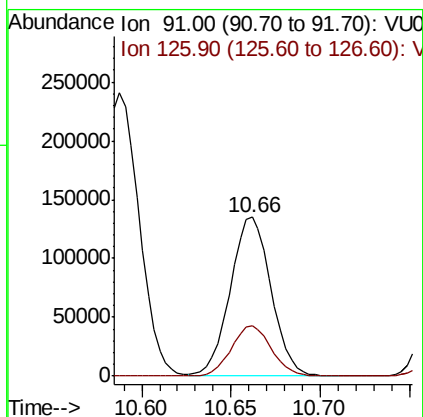
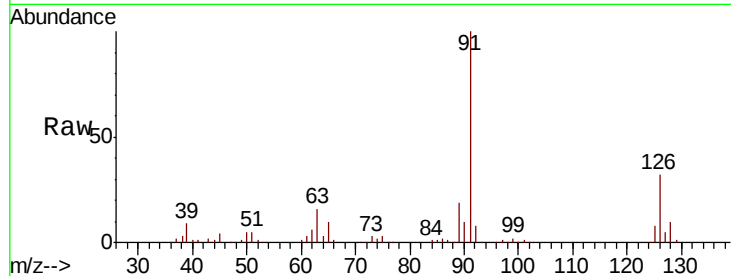




#79
 2-Chlorotoluene
 Concen: 51.411 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

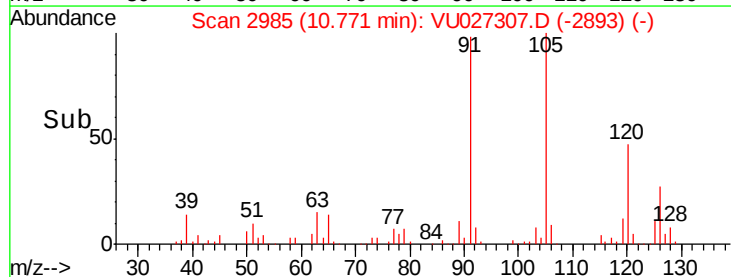
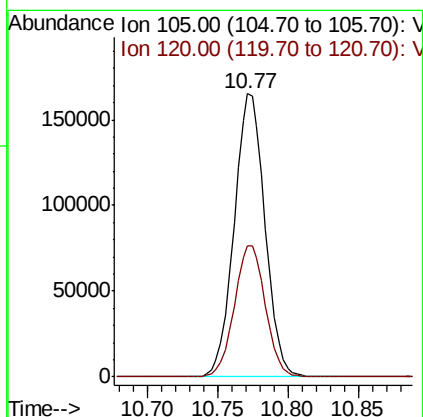
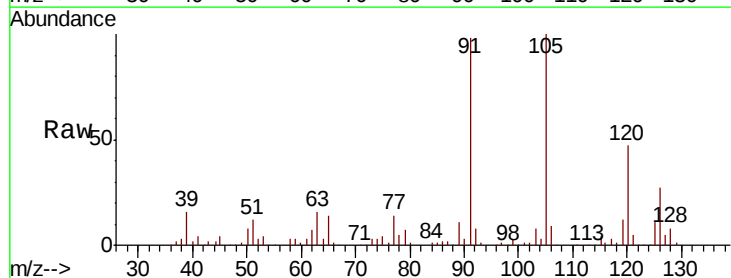
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

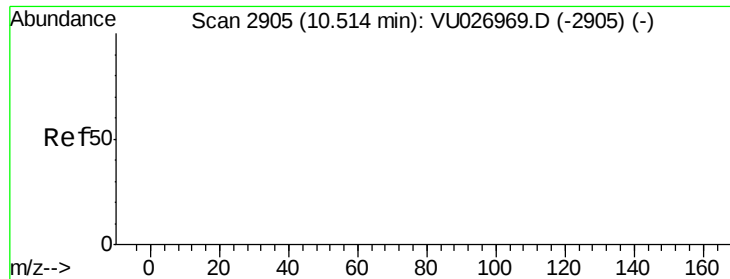
Tgt Ion: 91 Resp: 214235
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 54.472 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 105 Resp: 252110
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 190.526 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

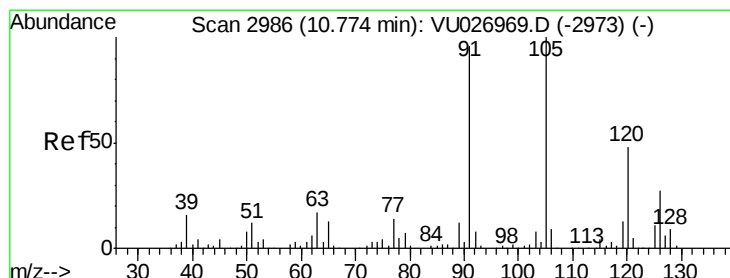
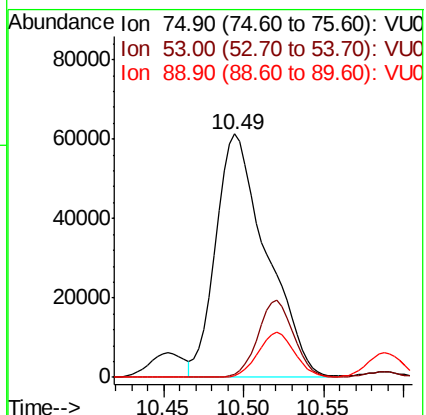
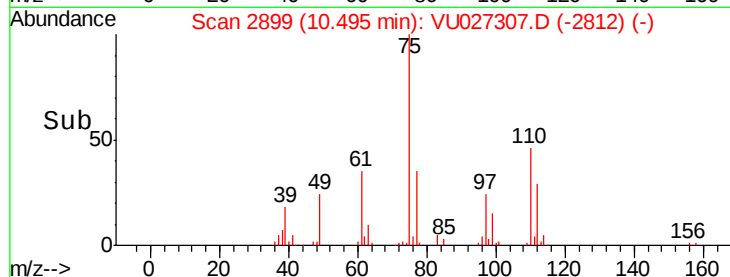
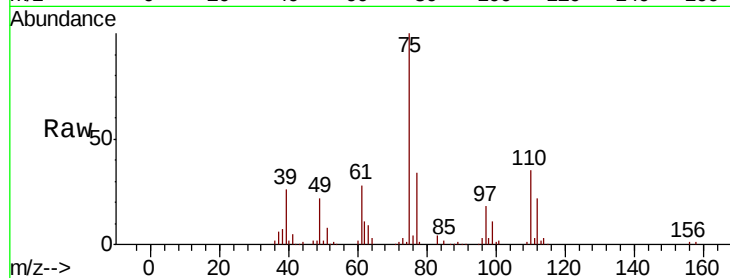
Tgt Ion: 75 Resp: 133313

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 53.204 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027307.D

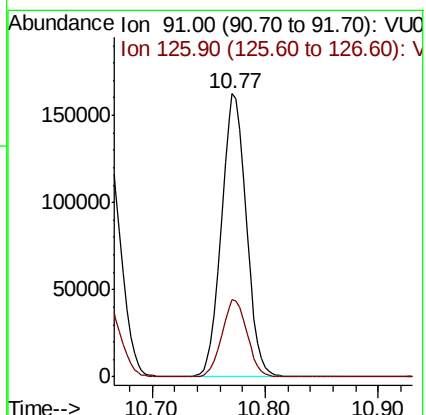
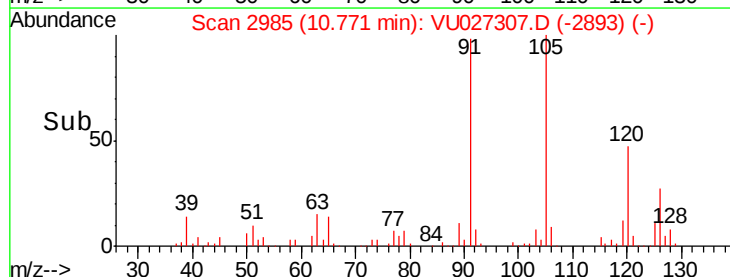
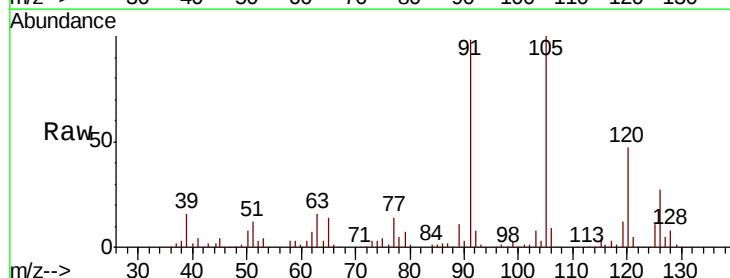
Acq: 29 Sep 2018 05:48

Tgt Ion: 91 Resp: 248596

Ion Ratio Lower Upper

91 100

126 27.7 14.1 42.2

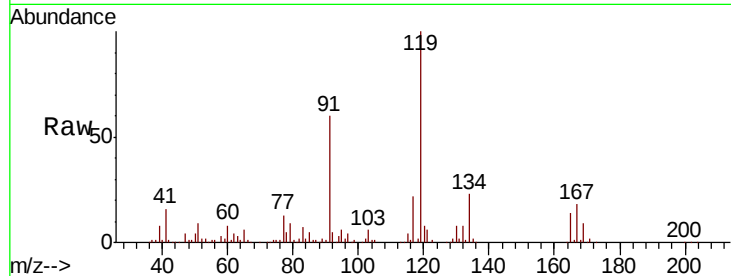




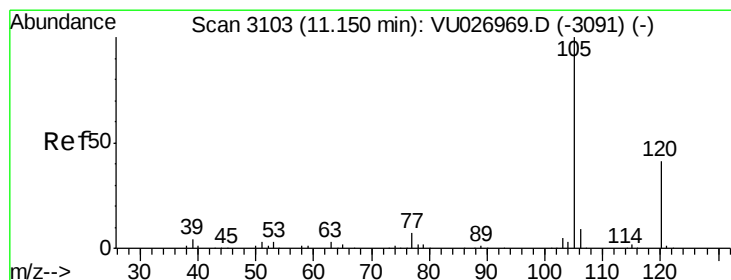
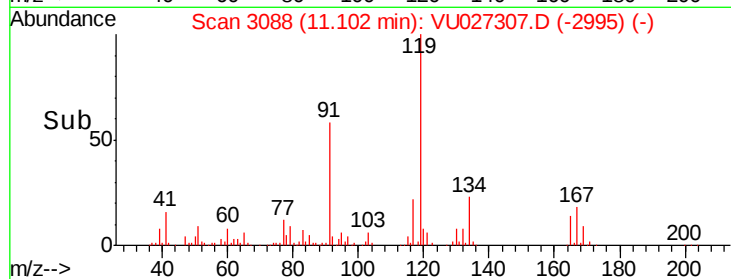
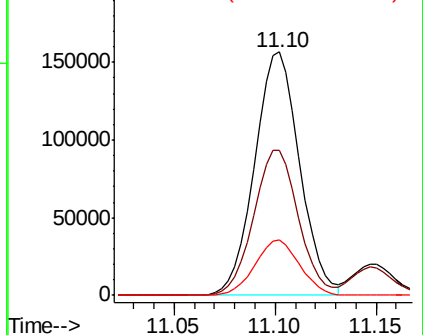
#83
 tert-Butylbenzene
 Concen: 53.267 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tgt Ion:119 Resp: 243739
 Ion Ratio Lower Upper
 119 100
 91 59.4 29.8 89.4
 134 22.6 11.5 34.4

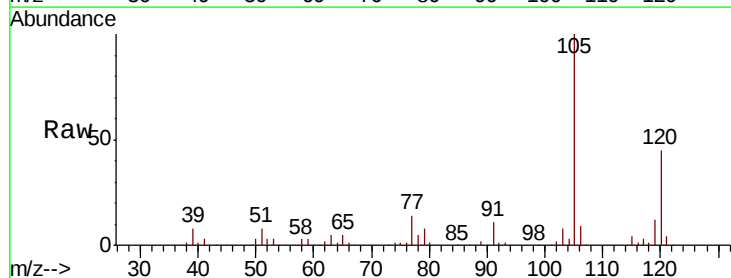


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

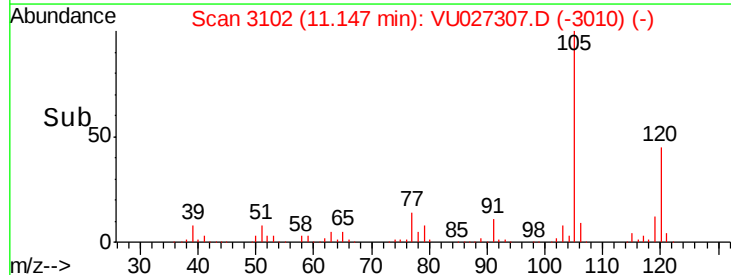
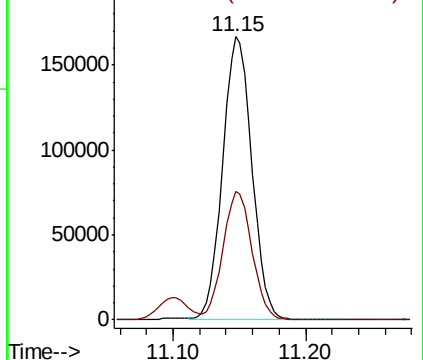


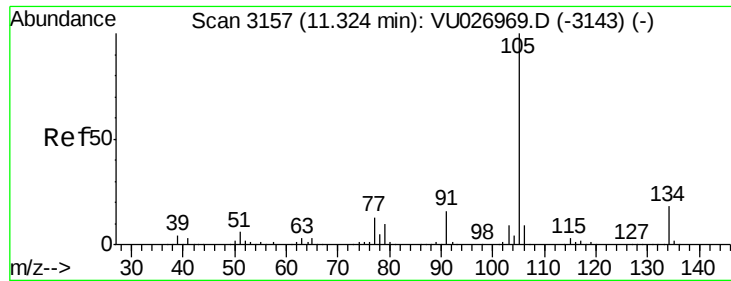
#84
 1,2,4-Trimethylbenzene
 Concen: 54.160 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion:105 Resp: 255101
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.2



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





#85

sec-Butylbenzene

Concen: 53.910 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

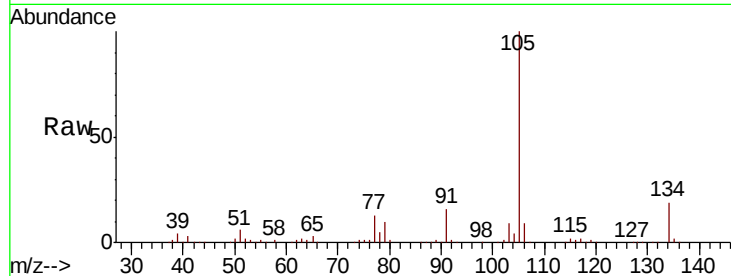
SA-TW502-0913MS

Tgt Ion:105 Resp: 301126

Ion Ratio Lower Upper

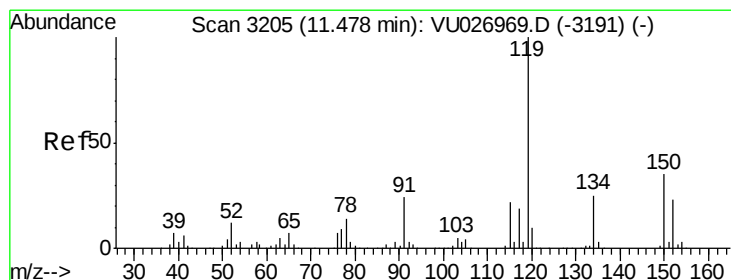
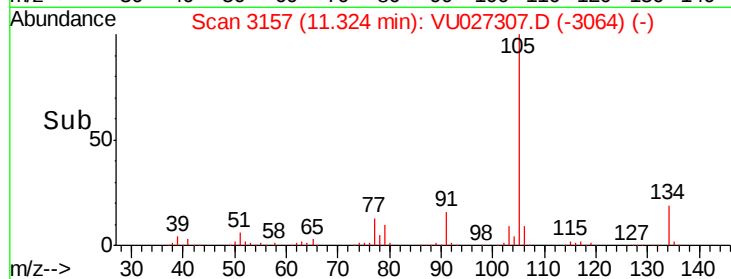
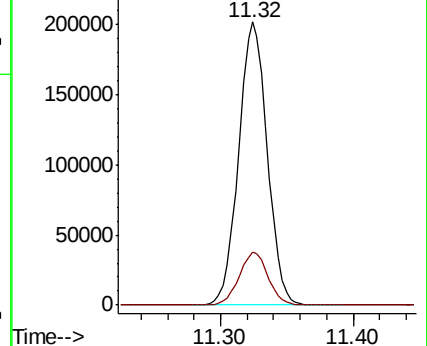
105 100

134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.605 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

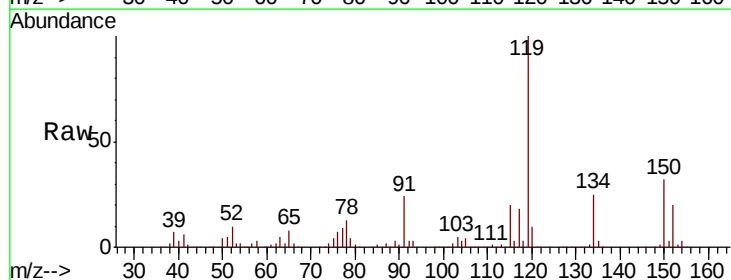
Tgt Ion:119 Resp: 254611

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

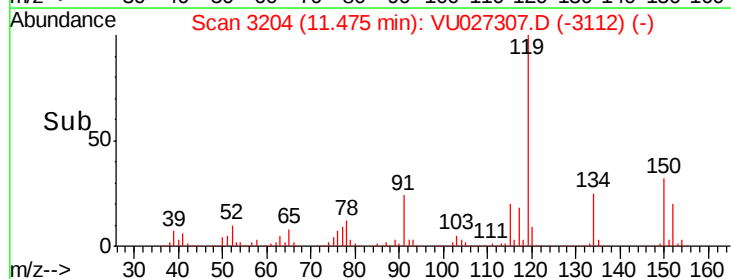
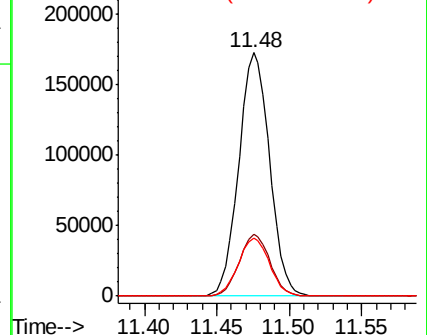
91 24.1 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

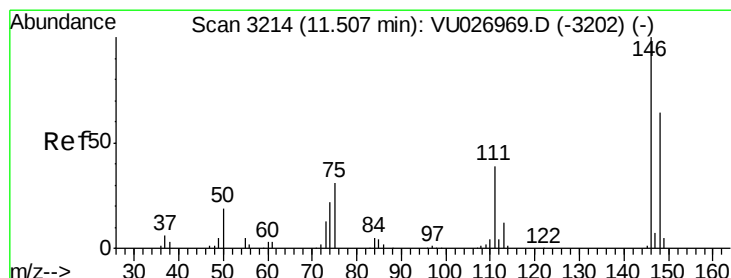
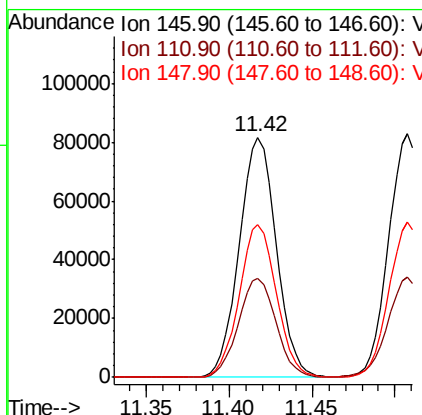
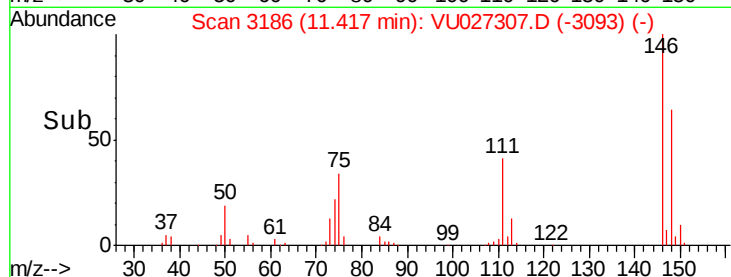
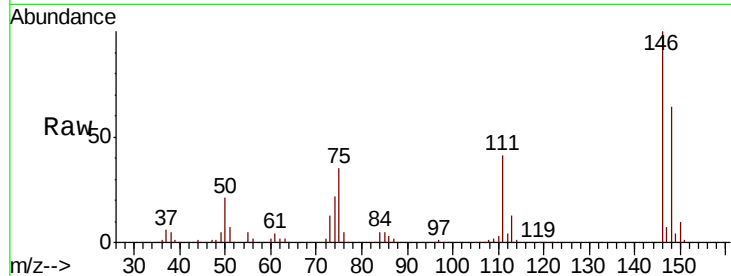




#87
 1,3-Dichlorobenzene
 Concen: 49.909 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

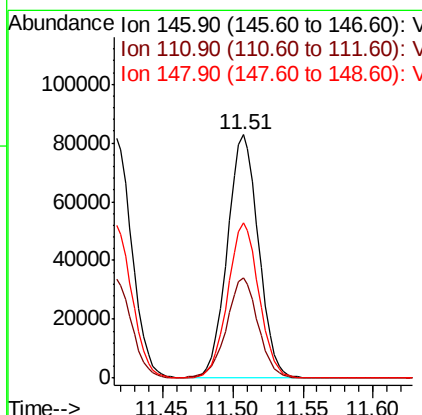
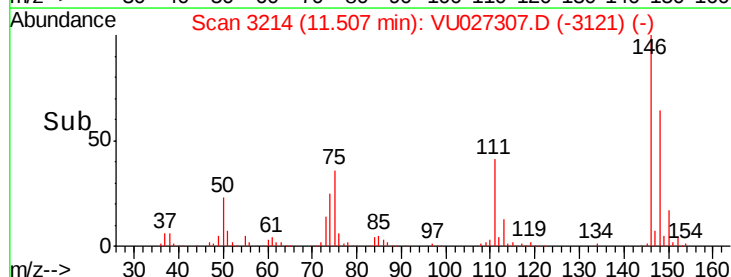
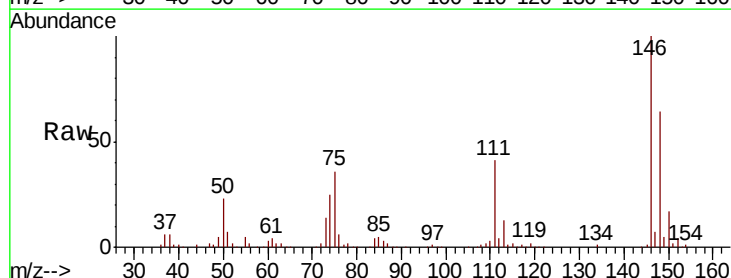
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

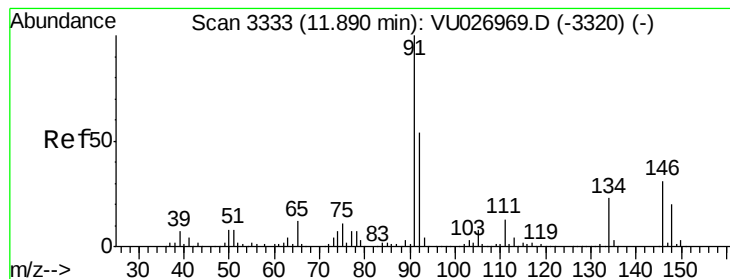
Tgt Ion:146 Resp: 127251
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.2
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 46.237 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion:146 Resp: 128484
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 60.9
 148 63.6 31.9 95.9





#89

n-Butylbenzene

Concen: 45.822 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

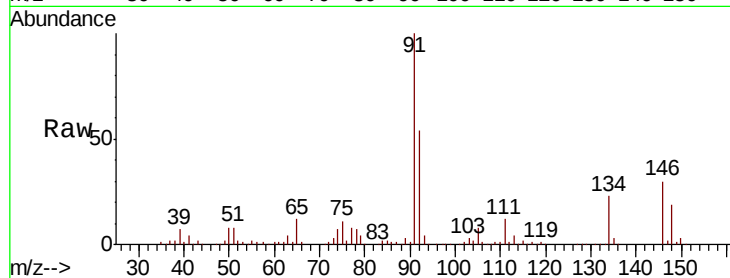
Tgt Ion: 91 Resp: 231741

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

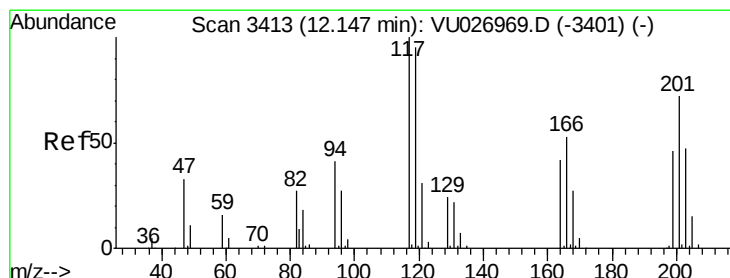
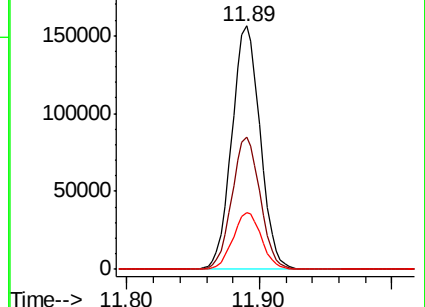
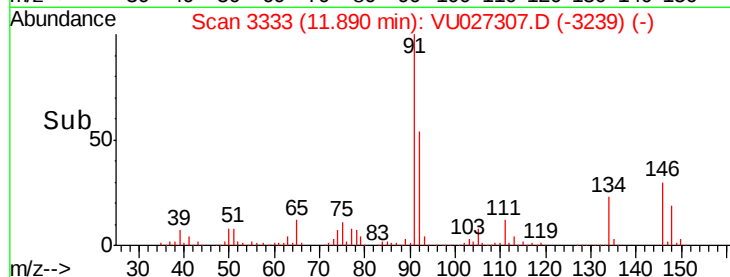
134 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#90

Hexachloroethane

Concen: 46.492 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027307.D

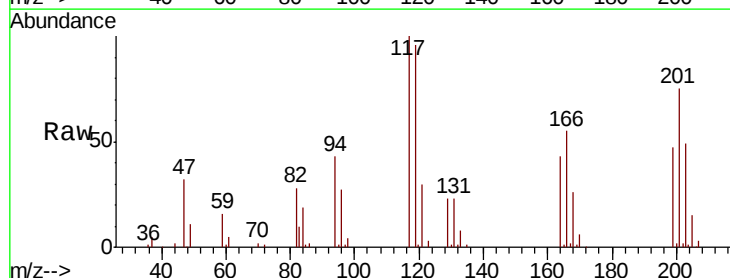
Acq: 29 Sep 2018 05:48

Tgt Ion: 117 Resp: 47224

Ion Ratio Lower Upper

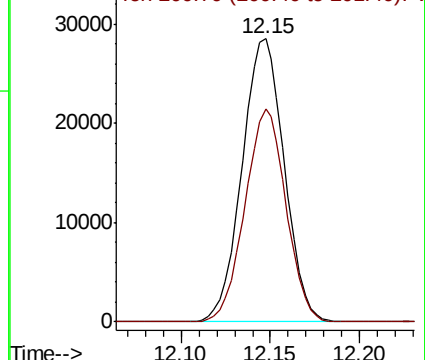
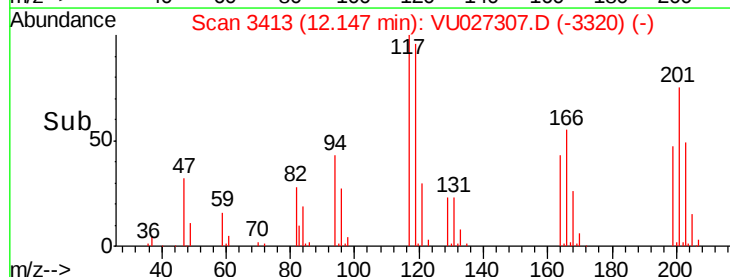
117 100

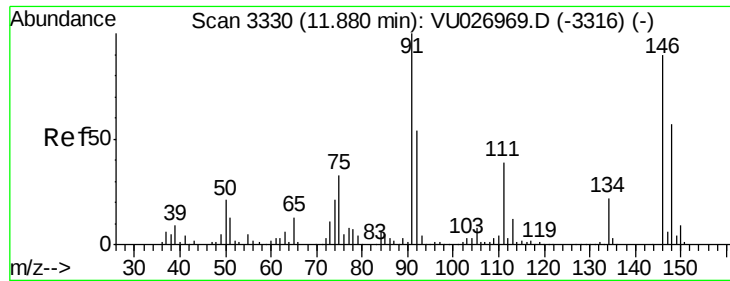
201 73.0 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)

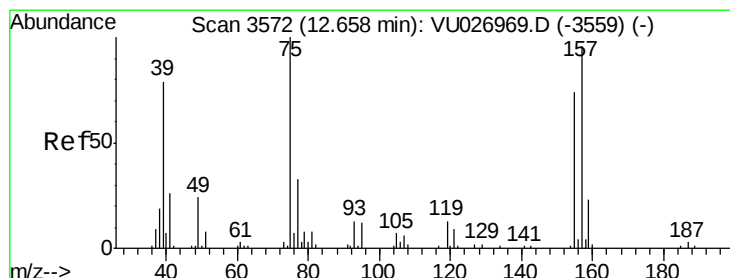
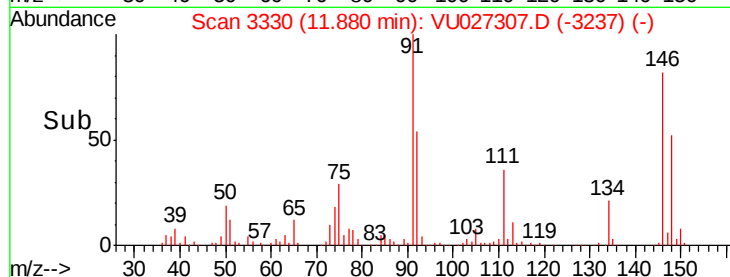
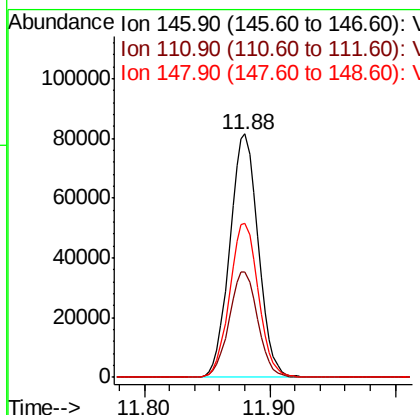
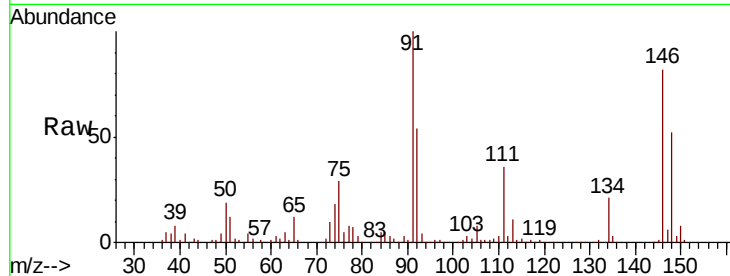




#91
 1,2-Dichlorobenzene
 Concen: 47.283 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

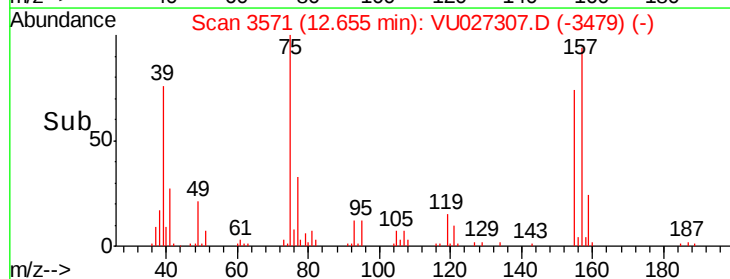
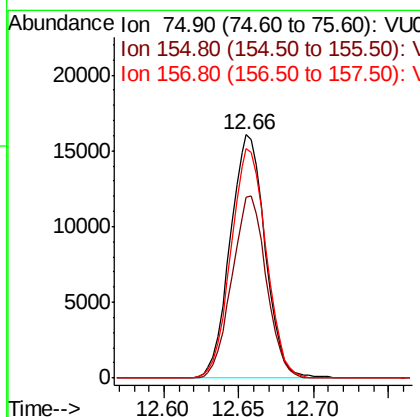
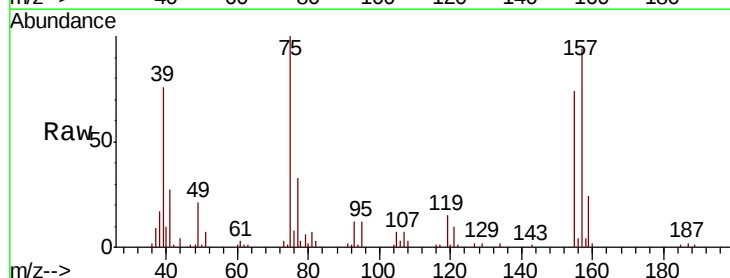
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tgt Ion: 146 Resp: 128058
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.8 65.3
 148 63.9 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.721 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 26148
 Ion Ratio Lower Upper
 75 100
 155 73.4 36.6 109.8
 157 94.6 47.4 142.2

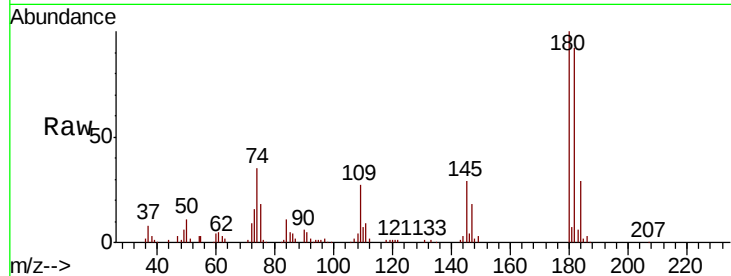




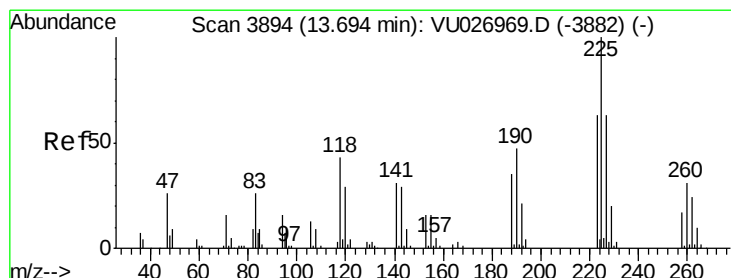
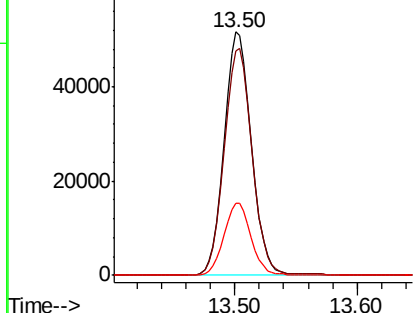
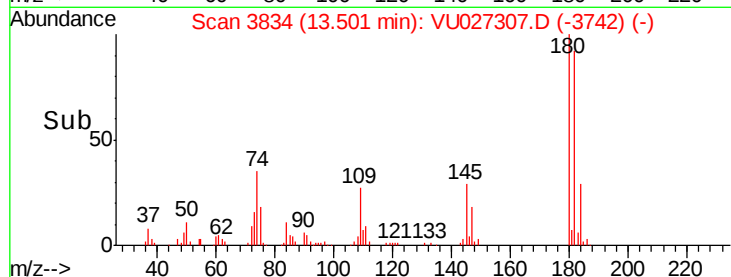
#93
 1,2,4-Trichlorobenzene
 Concen: 52.151 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tgt Ion:180 Resp: 81394
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.4 142.2
 145 29.3 14.9 44.5

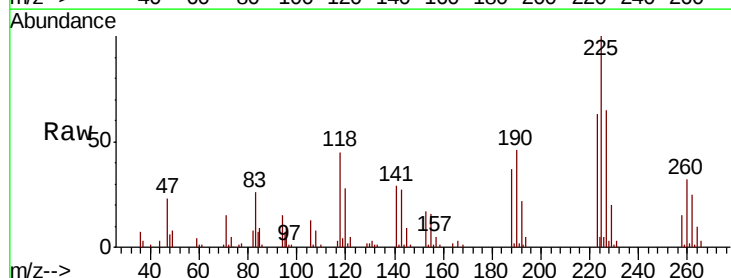


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

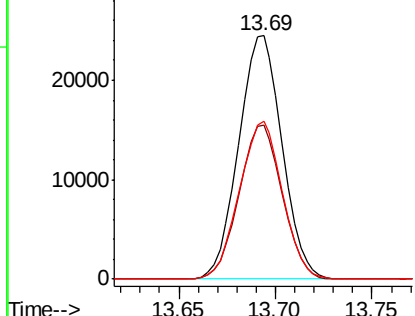
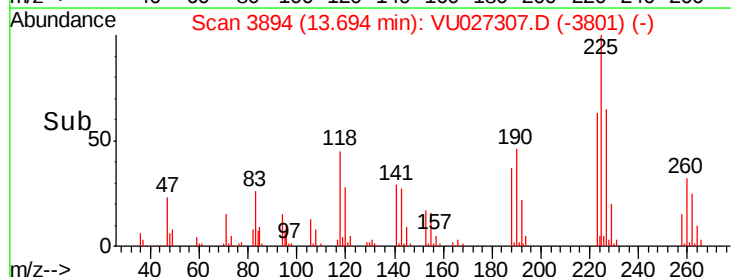


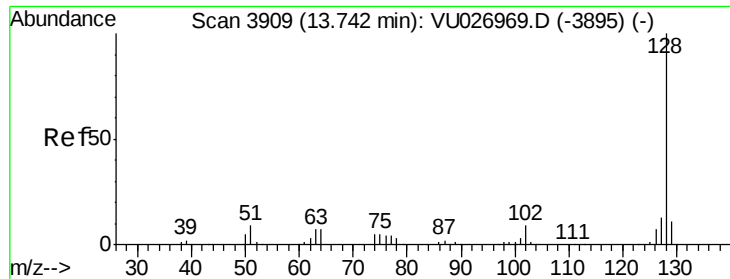
#94
 Hexachlorobutadiene
 Concen: 46.288 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion:225 Resp: 38225
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.7
 227 64.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

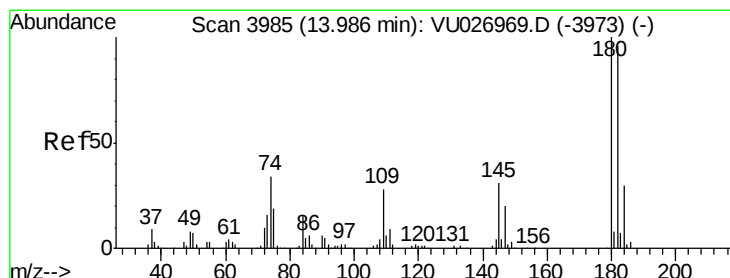
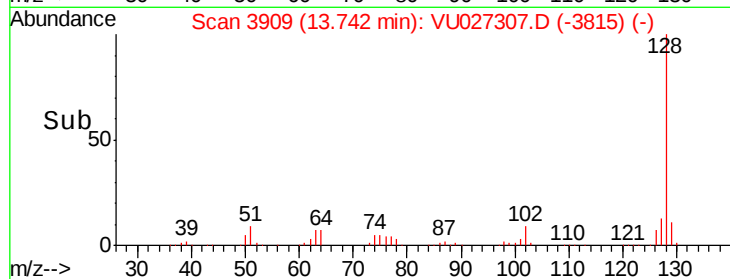
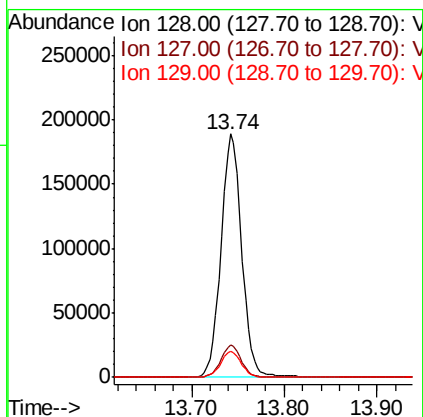
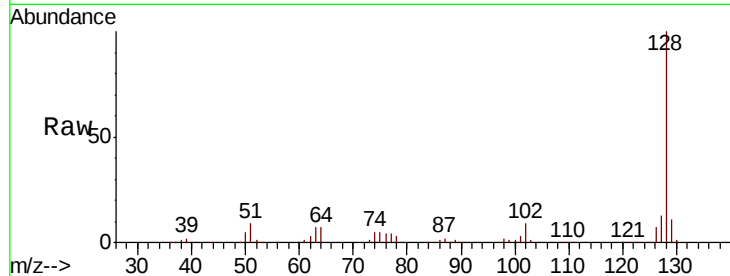




#95
Naphthalene
Concen: 48.182 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tgt Ion:128 Resp: 293632
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.768 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:180 Resp: 84971
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.5
145 32.3 15.4 46.4

