

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027308.D
 Acq On : 29 Sep 2018 06:11
 Operator : MD/SY
 Sample : J5135-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

Quant Time: Sep 29 07:05:47 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	80145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140844	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73244	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	76520	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	4.88	113	55973	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	7.57	98	202020	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	
62) 4-Bromofluorobenzene	10.31	95	76588	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	51999	49.693	ug/l	99
3) Chloromethane	1.33	50	83742	46.418	ug/l	100
4) Vinyl Chloride	1.40	62	81333	48.296	ug/l	100
5) Bromomethane	1.62	94	61002	63.610	ug/l	97
6) Chloroethane	1.69	64	49967	46.438	ug/l	99
7) Trichlorofluoromethane	1.88	101	89045	46.555	ug/l	99
8) Diethyl Ether	2.10	74	45000	48.879	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50788	43.185	ug/l	100
10) Methyl Iodide	2.41	142	46252	31.710	ug/l	99
11) Tert butyl alcohol	2.83	59	91779	248.237	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52319	47.265	ug/l	99
13) Acrolein	2.20	56	25345	127.167	ug/l	99
14) Allyl chloride	2.59	41	120264	53.567	ug/l	98
15) Acrylonitrile	2.94	53	244855	262.764	ug/l	99
16) Acetone	2.32	43	210260	245.063	ug/l	99
17) Carbon Disulfide	2.48	76	170454	47.270	ug/l	100
18) Methyl Acetate	2.62	43	121516	52.927	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221661	54.493	ug/l	100
20) Methylene Chloride	2.70	84	69389	48.033	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59342	50.212	ug/l	99
22) Diisopropyl ether	3.57	45	267392	55.683	ug/l	98
23) Vinyl Acetate	3.53	43	1023376	250.007	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137150	51.857	ug/l	99
25) 2-Butanone	4.26	43	343831	253.640	ug/l	98
26) 2,2-Dichloropropane	4.23	77	82546	40.020	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	69462	52.045	ug/l	99
28) Bromochloromethane	4.55	49	68816	53.977	ug/l	96
29) Tetrahydrofuran	4.64	42	224988	274.362	ug/l	97
30) Chloroform	4.67	83	122254	49.798	ug/l	98
31) Cyclohexane	5.00	56	121419	50.510	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	100077	51.056	ug/l	99
36) 1,1-Dichloropropene	5.14	75	90287	48.032	ug/l	98
37) Ethyl Acetate	4.38	43	115203	45.272	ug/l	98
38) Carbon Tetrachloride	5.14	117	84550	47.266	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98554	48.246	ug/l	98
40) Benzene	5.39	78	277997	48.649	ug/l	100
41) Methacrylonitrile	4.54	41	72843	55.119	ug/l	97
42) 1,2-Dichloroethane	5.40	62	105796	49.003	ug/l	100
43) Isopropyl Acetate	5.55	43	185533	49.995	ug/l	99
44) Trichloroethene	6.19	130	58873	48.394	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81441	50.019	ug/l	97
46) Dibromomethane	6.56	93	47842	48.652	ug/l	99
47) Bromodichloromethane	6.76	83	95534	48.046	ug/l	97
48) Methyl methacrylate	6.62	41	101290	50.144	ug/l	97
49) 1,4-Dioxane	6.61	88	35376	881.692	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	655004	262.431	ug/l	100
52) Toluene	7.64	92	165204	50.437	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	108736	50.898	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	114123	48.584	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	67767	48.827	ug/l	98
56) Ethyl methacrylate	8.02	69	115193	47.930	ug/l	97
57) 1,3-Dichloropropane	8.24	76	129667	50.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	613	5.301	ug/l #	52
59) 2-Hexanone	8.36	43	501620	256.748	ug/l	100
60) Dibromochloromethane	8.48	129	67828	49.823	ug/l	99
61) 1,2-Dibromoethane	8.59	107	69671	48.247	ug/l	99
64) Tetrachloroethene	8.23	164	46846	44.639	ug/l	98
65) Chlorobenzene	9.12	112	168709	46.720	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61460	49.414	ug/l	99
67) Ethyl Benzene	9.25	91	308409	51.938	ug/l	100
68) m/p-Xylenes	9.38	106	226700	94.356	ug/l	99
69) o-Xylene	9.78	106	111295	52.899	ug/l	100
70) Styrene	9.79	104	184291	47.025	ug/l	99
71) Bromoform	9.96	173	48998	50.943	ug/l #	99
73) Isopropylbenzene	10.17	105	293362	52.653	ug/l	100
74) N-amyl acetate	10.01	43	159215	49.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	117100	45.712	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	135804	61.032	ug/l	83
77) Bromobenzene	10.45	156	68670	50.436	ug/l	98
78) n-propylbenzene	10.59	91	350257	53.130	ug/l	99
79) 2-Chlorotoluene	10.66	91	209343	50.555	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	241794	52.573	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	135804	195.313	ug/l #	100
82) 4-Chlorotoluene	10.77	91	239884	51.664	ug/l	99
83) tert-Butylbenzene	11.10	119	237303	52.188	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	249044	53.208	ug/l	99
85) sec-Butylbenzene	11.32	105	291329	52.486	ug/l	100
86) p-Isopropyltoluene	11.48	119	244328	46.969	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	123180	48.618	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	124971	45.257	ug/l	100
89) n-Butylbenzene	11.89	91	217785	43.464	ug/l	99
90) Hexachloroethane	12.14	117	46785	46.351	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	126345	46.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26197	50.129	ug/l	99

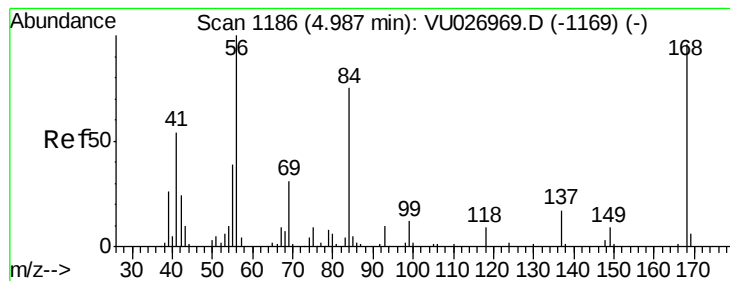
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	78547	50.645	ug/l	99
94) Hexachlorobutadiene	13.69	225	36646	44.656	ug/l	99
95) Naphthalene	13.74	128	293800	48.503	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	84245	50.652	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

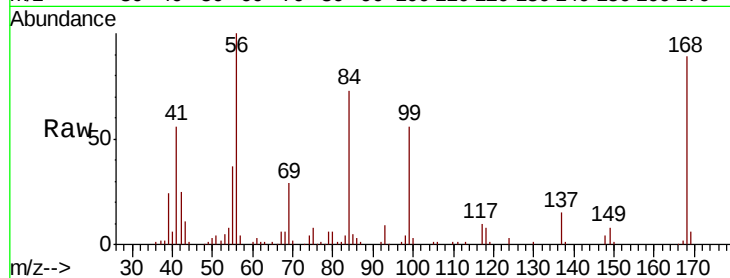
SA-TW502-0913MSD

Tgt Ion:168 Resp: 80145

Ion Ratio Lower Upper

168 100

99 61.4 48.1 72.1



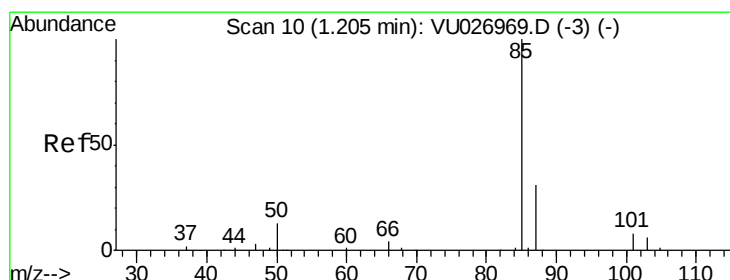
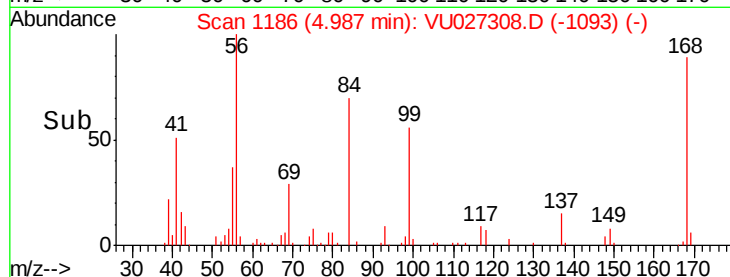
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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: 49.693 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027308.D

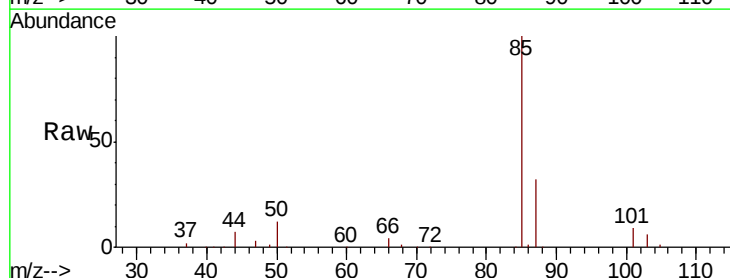
Acq: 29 Sep 2018 06:11

Tgt Ion: 85 Resp: 51999

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.7



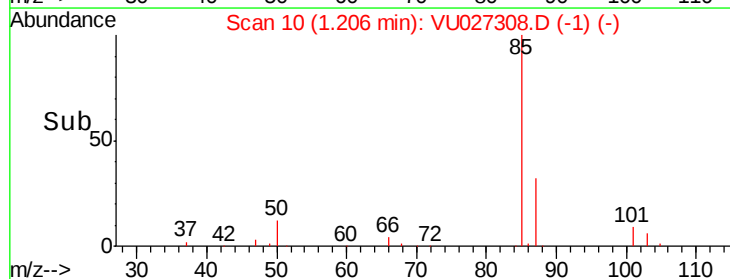
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

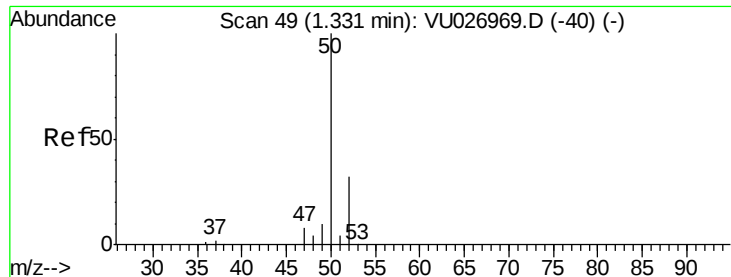
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.418 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

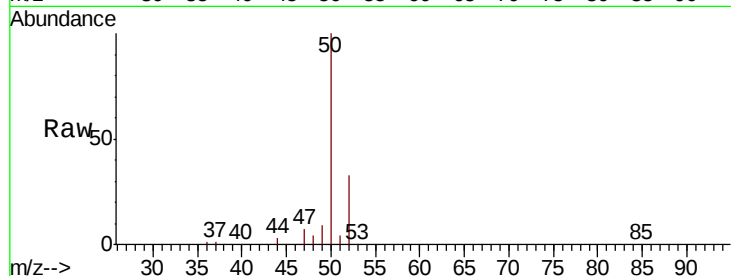
SA-TW502-0913MSD

Tgt Ion: 50 Resp: 83742

Ion Ratio Lower Upper

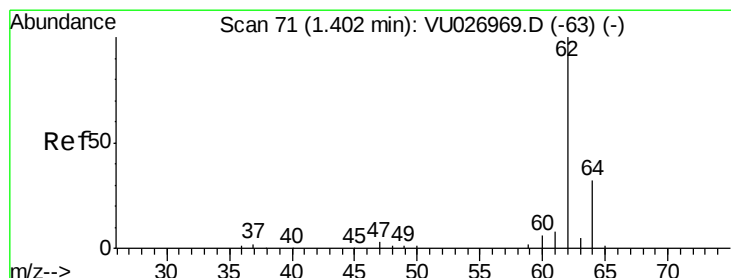
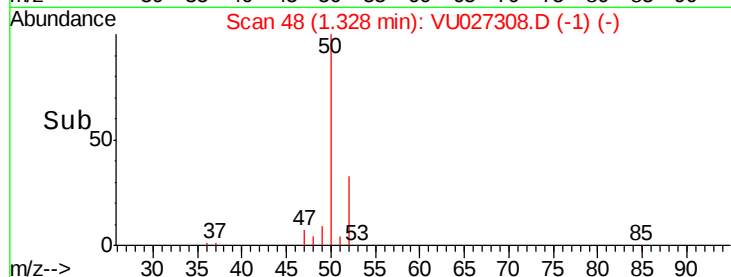
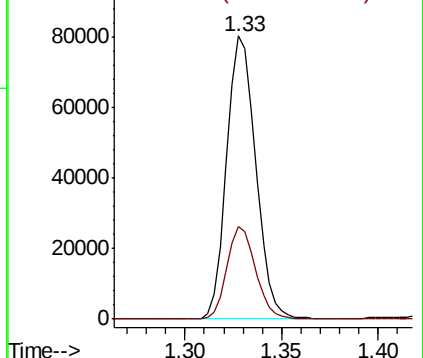
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.296 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027308.D

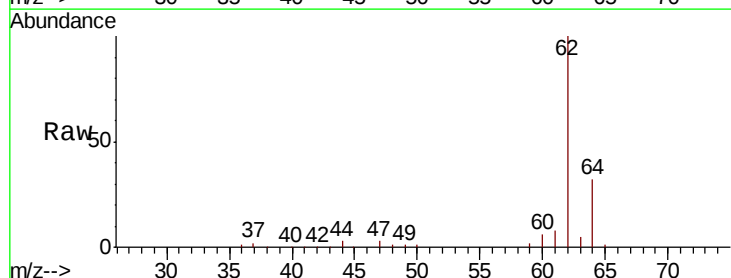
Acq: 29 Sep 2018 06:11

Tgt Ion: 62 Resp: 81333

Ion Ratio Lower Upper

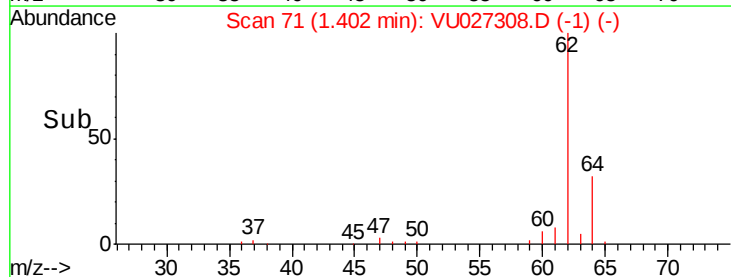
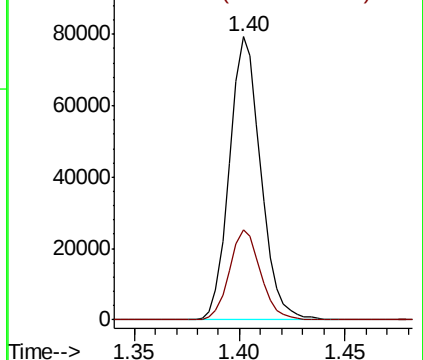
62 100

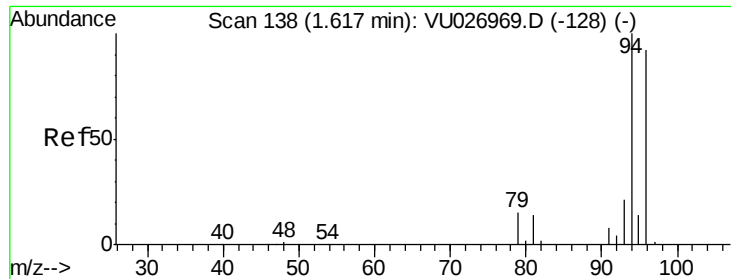
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

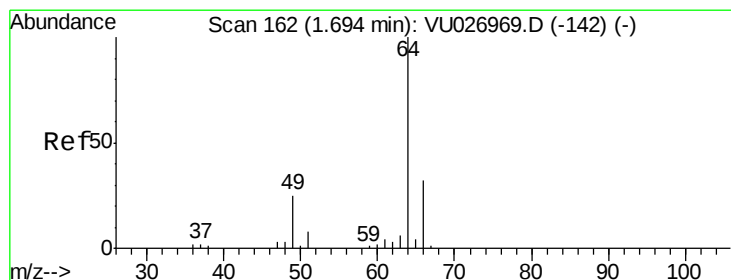
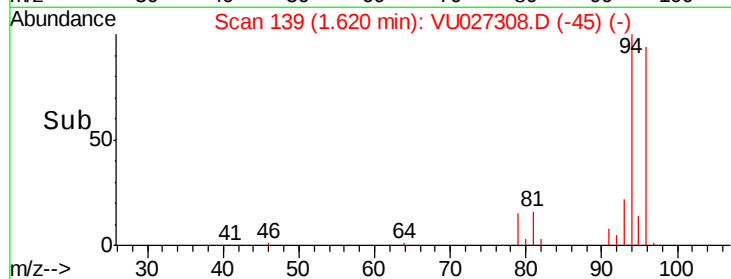
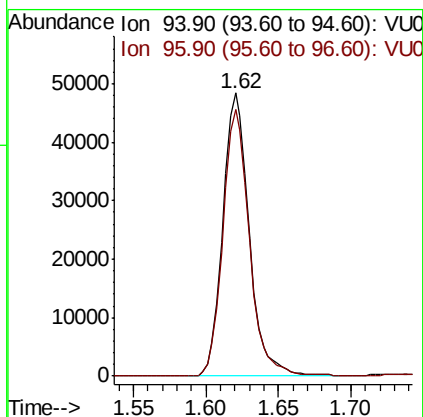
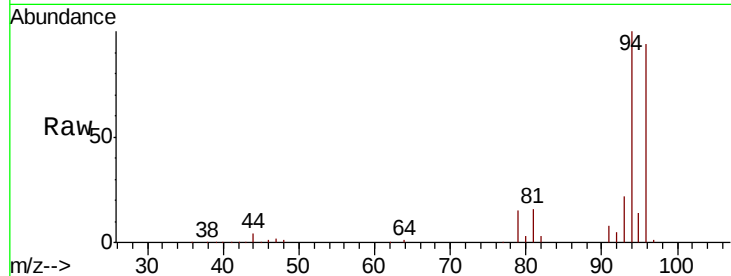




#5
Bromomethane
Concen: 63.610 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

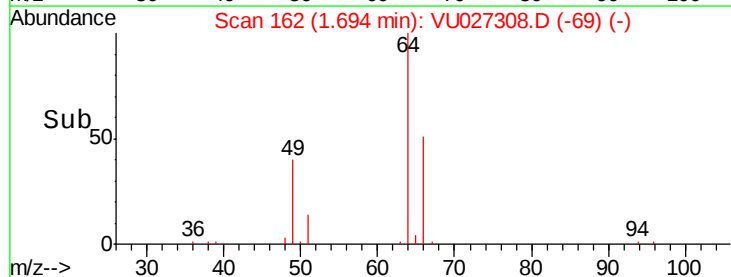
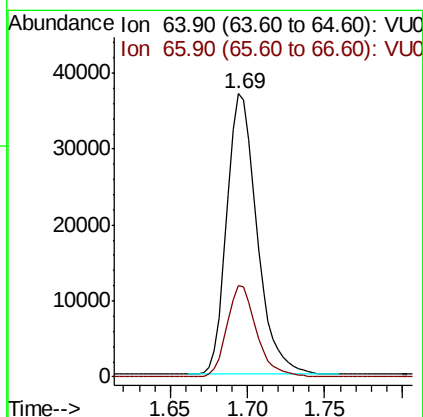
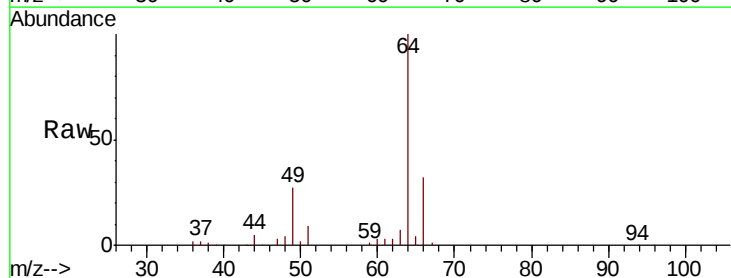
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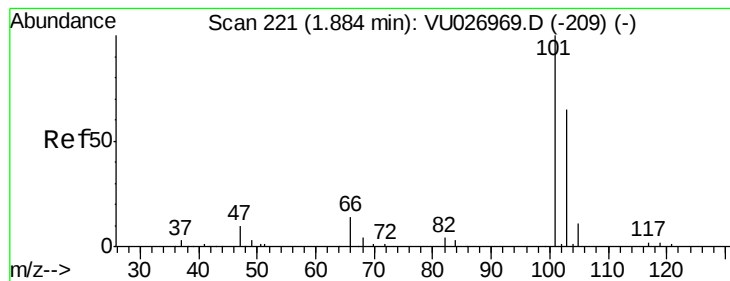
Tgt Ion: 94 Resp: 61002
Ion Ratio Lower Upper
94 100
96 94.3 73.2 109.8



#6
Chloroethane
Concen: 46.438 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 64 Resp: 49967
Ion Ratio Lower Upper
64 100
66 32.4 25.3 37.9





#7

Trichlorofluoromethane

Concen: 46.555 ug/l

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

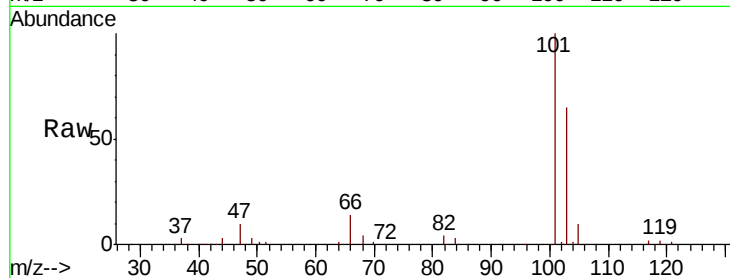
SA-TW502-0913MSD

Tgt Ion:101 Resp: 89045

Ion Ratio Lower Upper

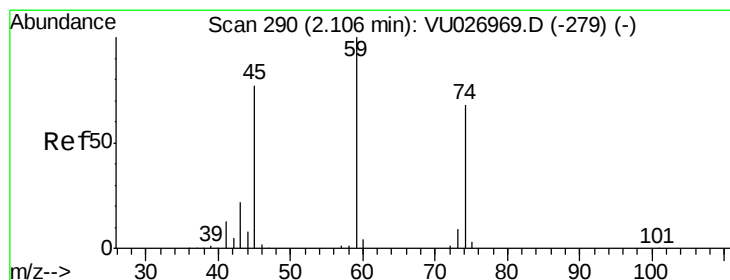
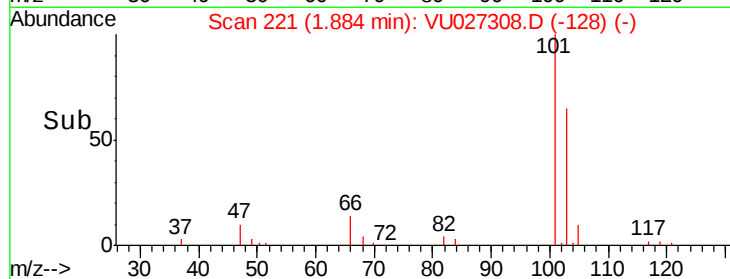
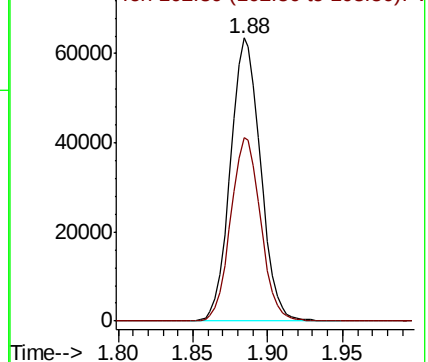
101 100

103 64.7 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.879 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU027308.D

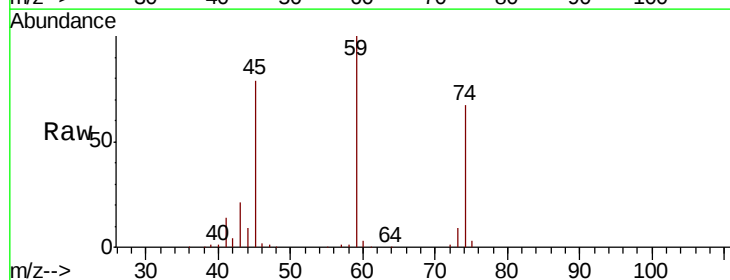
Acq: 29 Sep 2018 06:11

Tgt Ion: 74 Resp: 45000

Ion Ratio Lower Upper

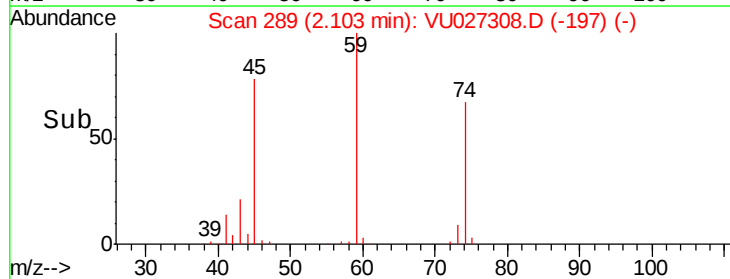
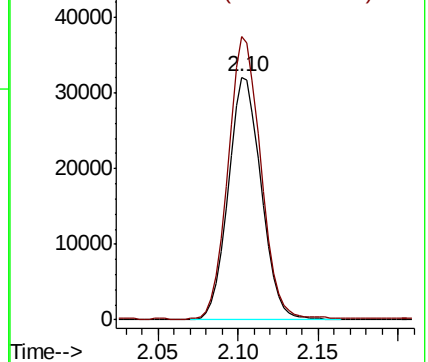
74 100

45 115.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.185 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

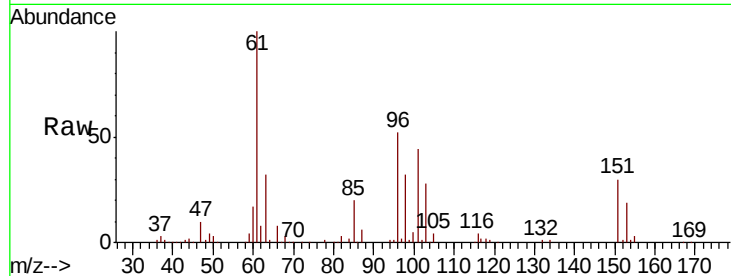
Tgt Ion:101 Resp: 50788

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

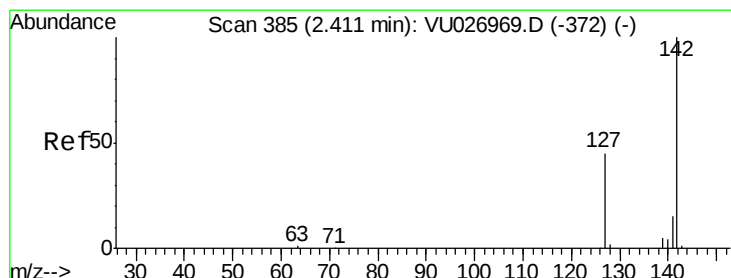
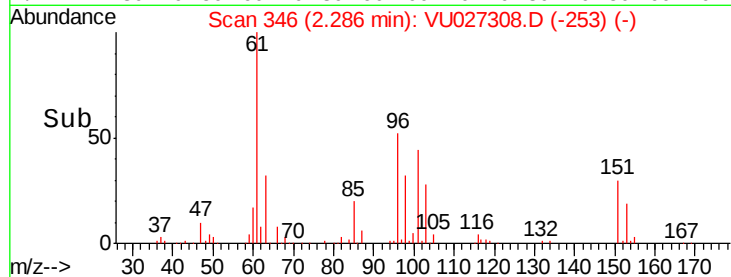
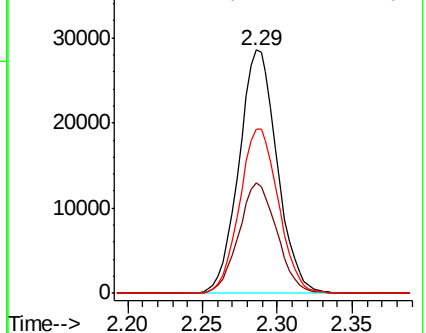
151 68.8 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 31.710 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

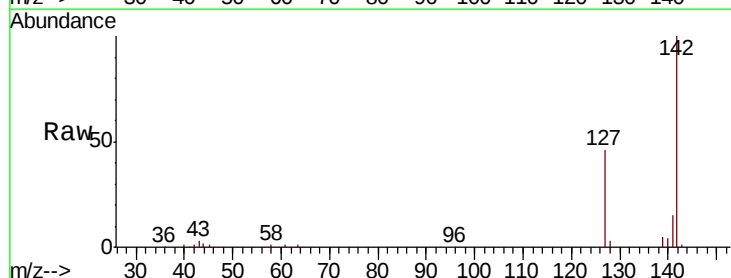
Tgt Ion:142 Resp: 46252

Ion Ratio Lower Upper

142 100

127 45.1 36.7 55.1

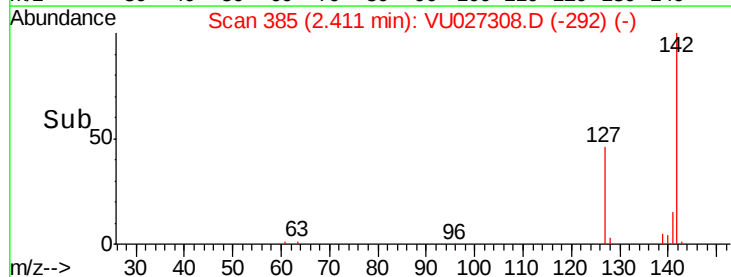
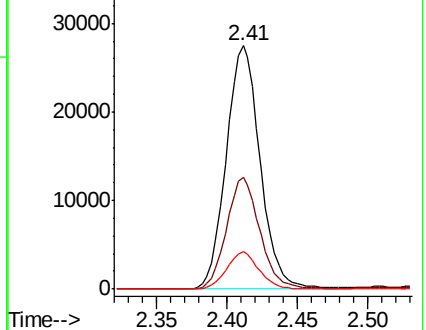
141 14.4 11.8 17.6

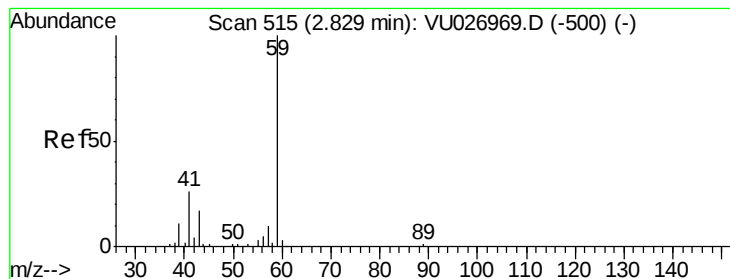


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



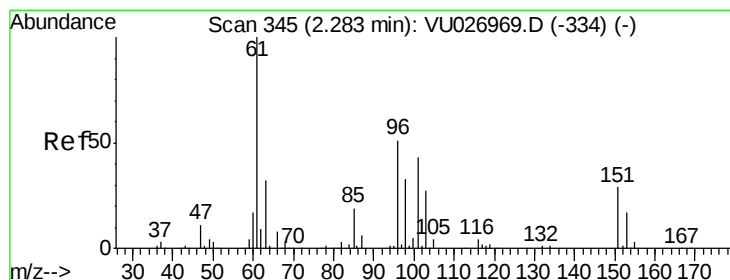
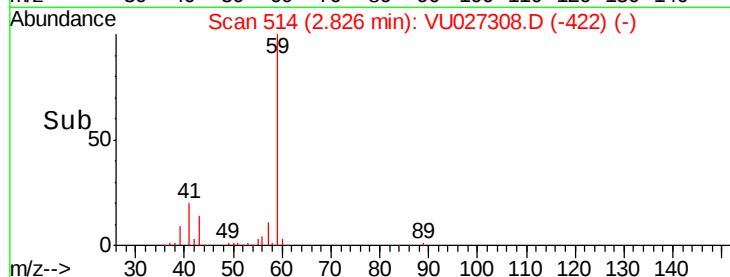
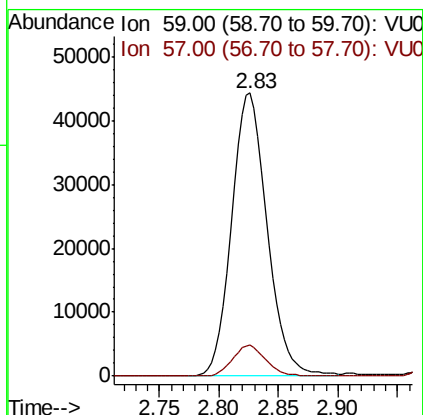
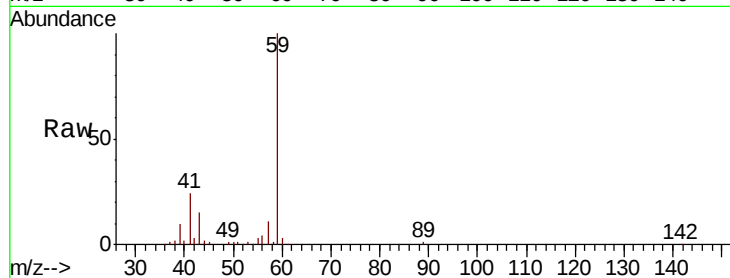


#11

Tert butyl alcohol
 Concen: 248.237 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

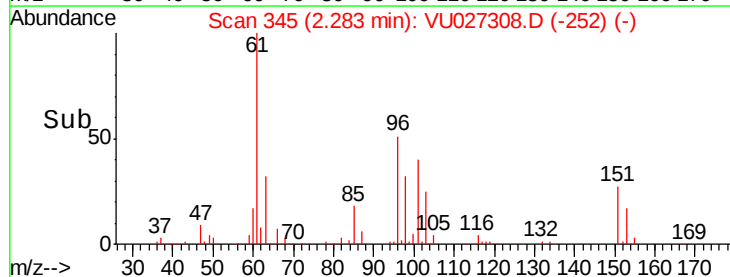
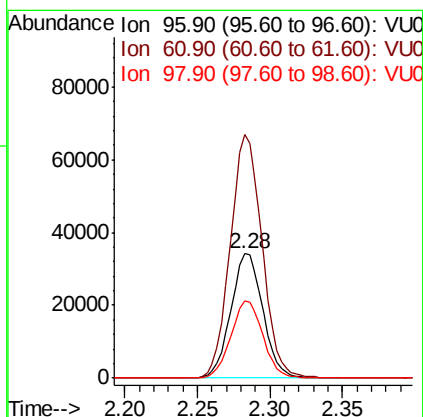
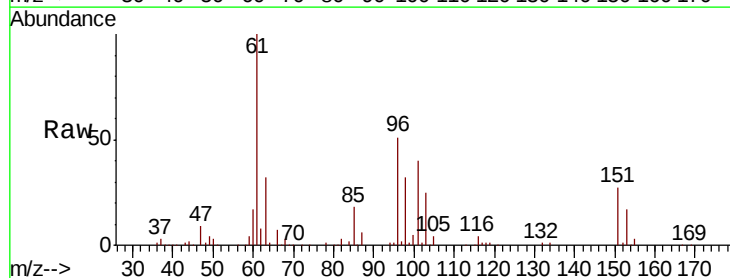
Tgt Ion: 59 Resp: 91779
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

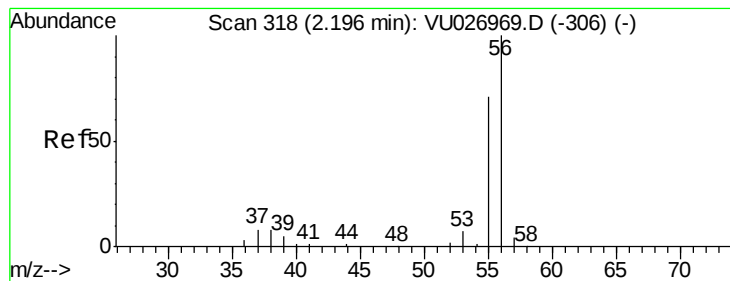


#12

1,1-Dichloroethene
 Concen: 47.265 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 96 Resp: 52319
 Ion Ratio Lower Upper
 96 100
 61 195.6 156.1 234.1
 98 61.6 51.4 77.0





#13

Acrolein

Concen: 127.167 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

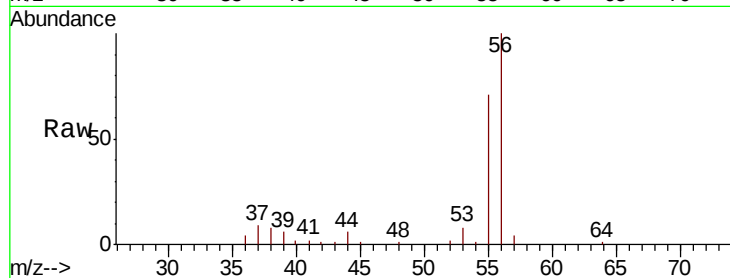
SA-TW502-0913MSD

Tgt Ion: 56 Resp: 25345

Ion Ratio Lower Upper

56 100

55 70.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

15000

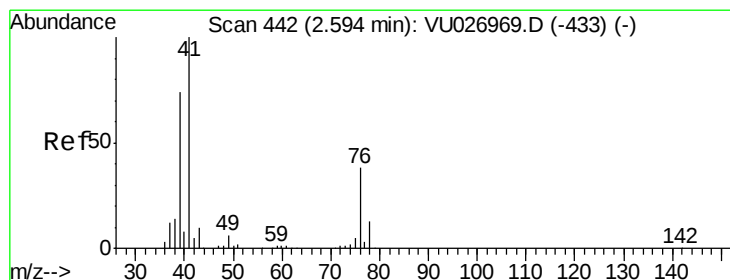
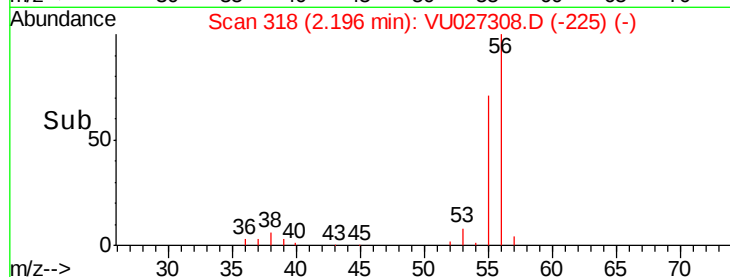
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 53.567 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

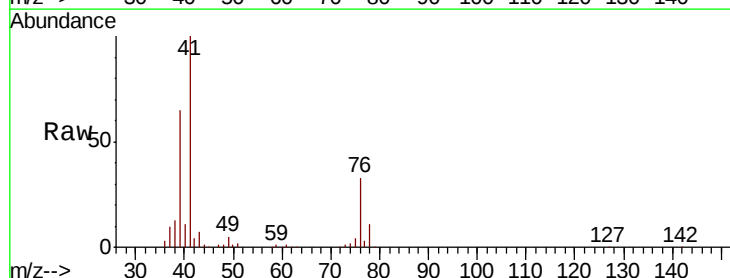
Tgt Ion: 41 Resp: 120264

Ion Ratio Lower Upper

41 100

39 66.7 55.7 83.5

76 33.3 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

80000

60000

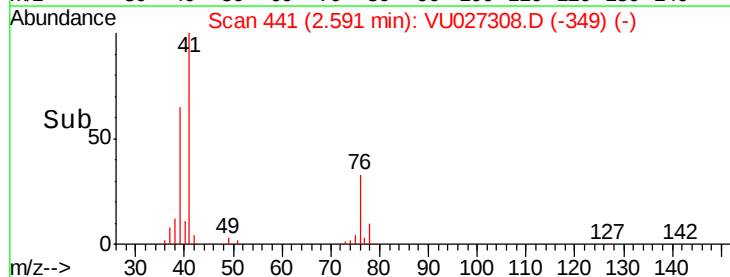
40000

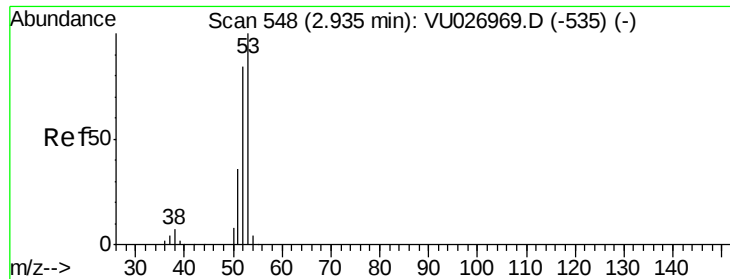
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 262.764 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

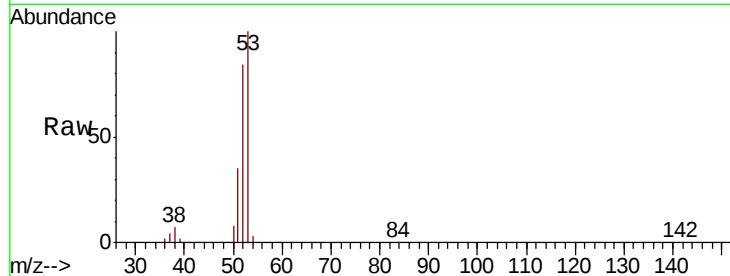
Tgt Ion: 53 Resp: 244855

Ion Ratio Lower Upper

53 100

52 81.4 65.7 98.5

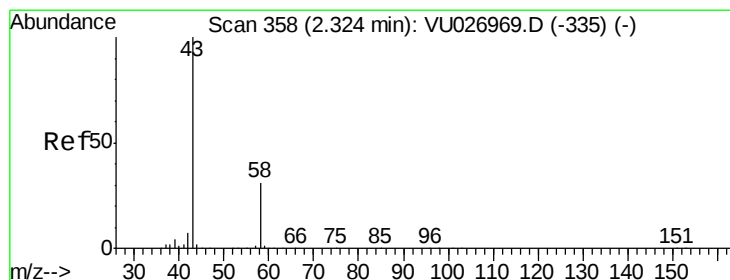
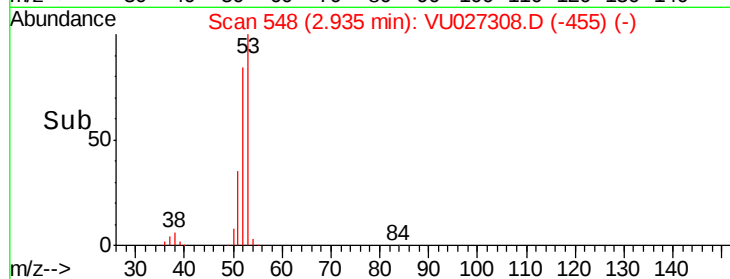
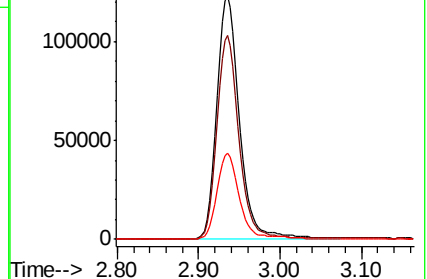
51 34.2 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU027308.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027308.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027308.D (-535) (-)



#16

Acetone

Concen: 245.063 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027308.D

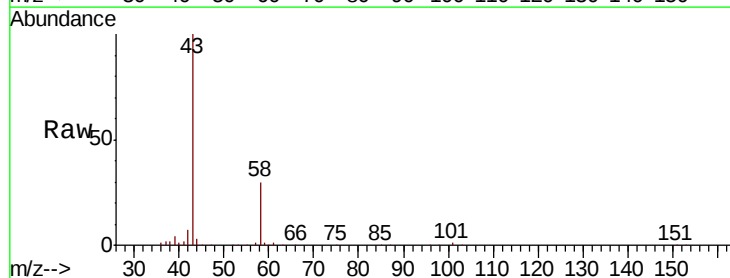
Acq: 29 Sep 2018 06:11

Tgt Ion: 43 Resp: 210260

Ion Ratio Lower Upper

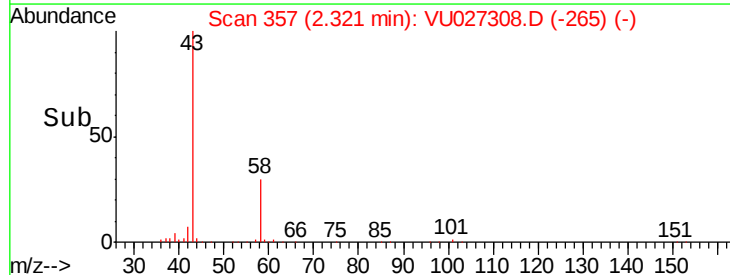
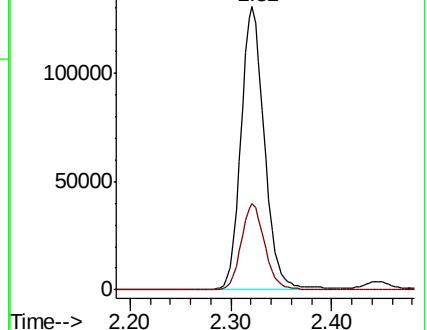
43 100

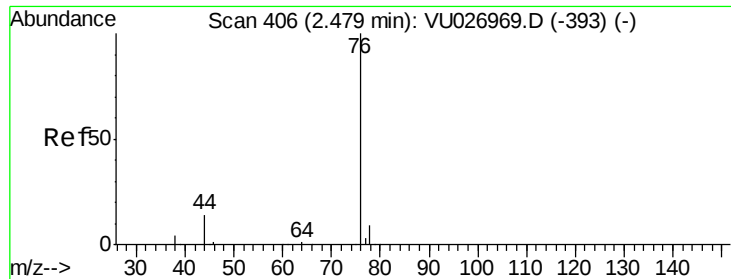
58 30.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027308.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027308.D (-265) (-)

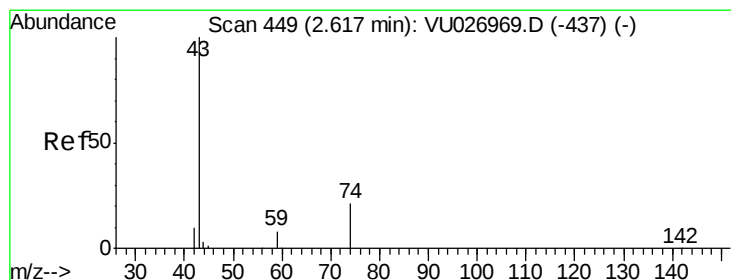
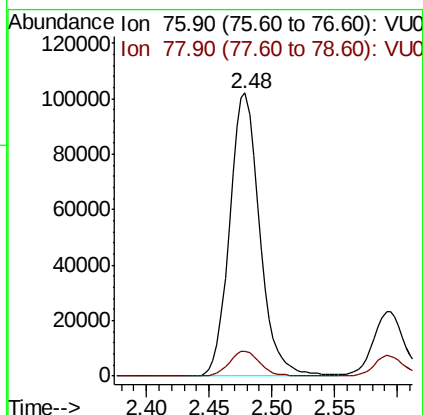
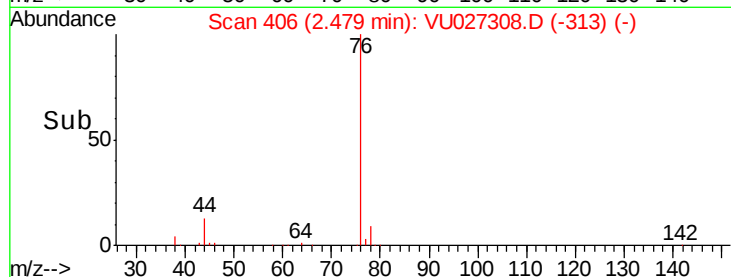
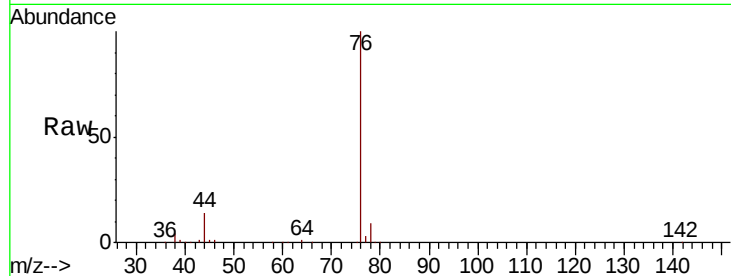




#17
Carbon Disulfide
Concen: 47.270 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

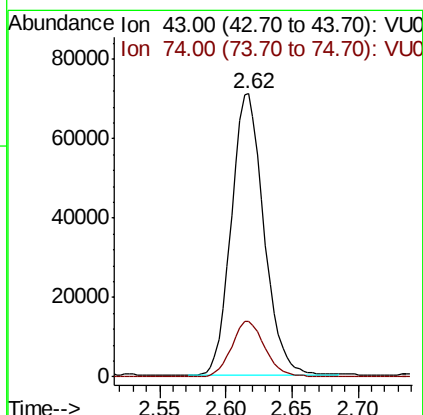
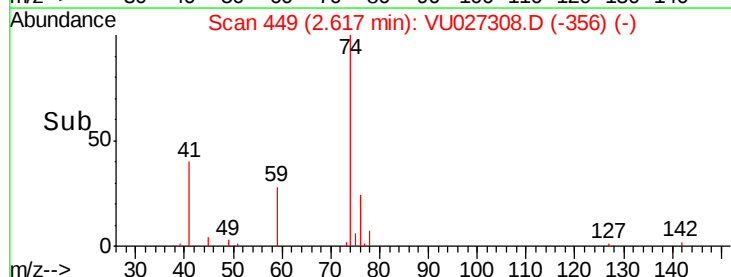
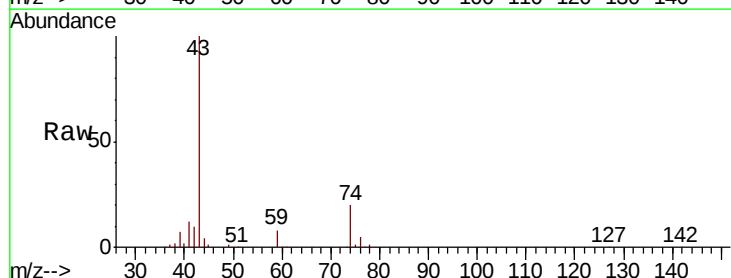
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

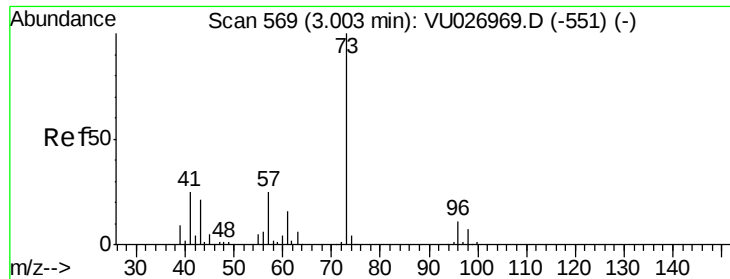
Tgt Ion: 76 Resp: 170454
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 52.927 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 43 Resp: 121516
Ion Ratio Lower Upper
43 100
74 20.4 16.6 25.0

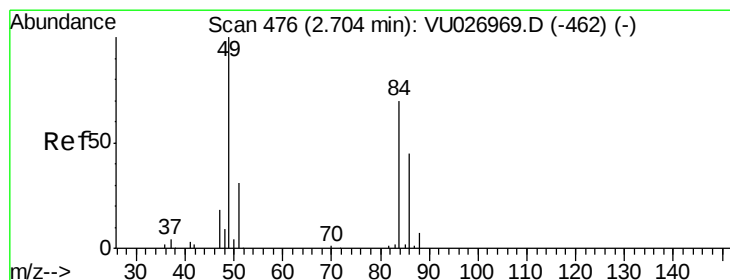
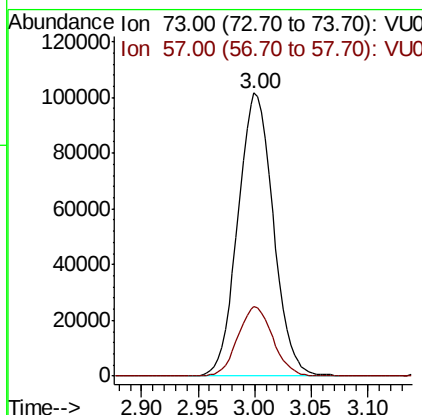
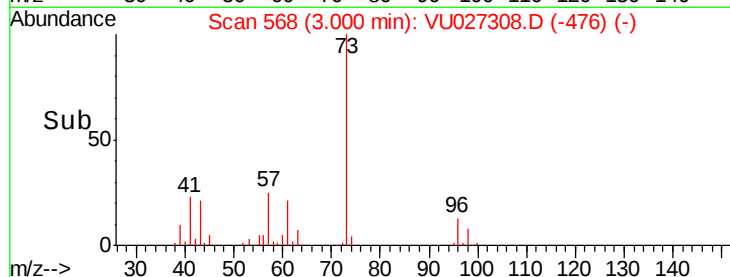
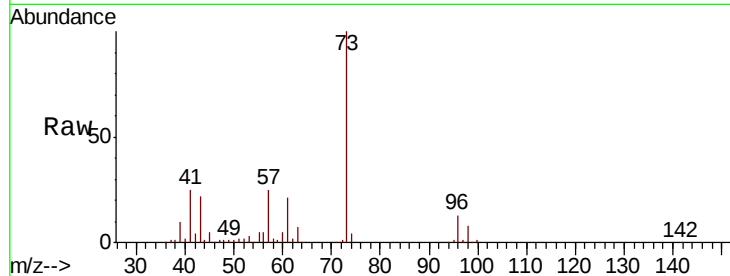




#19
Methyl tert-butyl Ether
Concen: 54.493 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

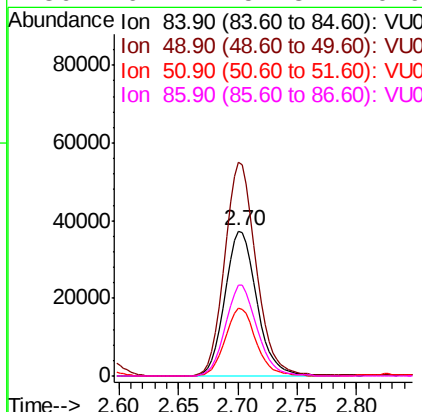
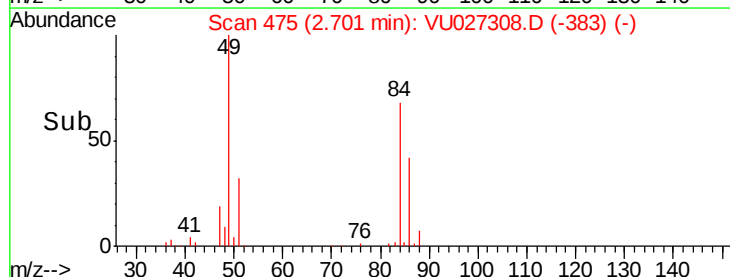
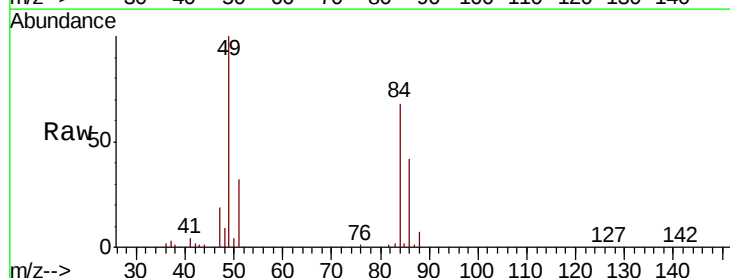
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

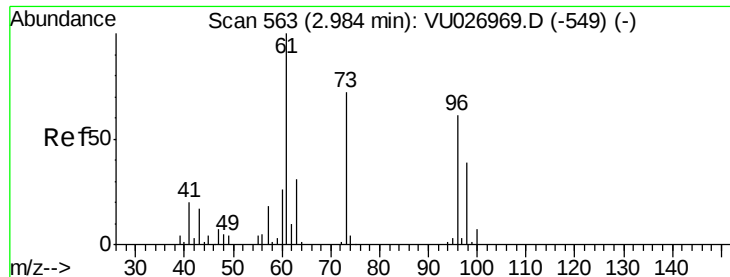
Tgt Ion: 73 Resp: 221661
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6



#20
Methylene Chloride
Concen: 48.033 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 84 Resp: 69389
Ion Ratio Lower Upper
84 100
49 147.1 114.9 172.3
51 46.4 35.8 53.8
86 62.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.212 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

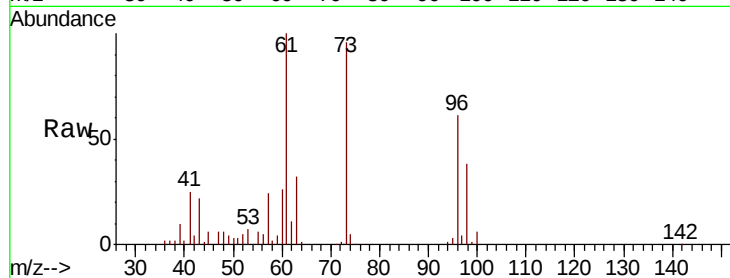
Tgt Ion: 96 Resp: 59342

Ion Ratio Lower Upper

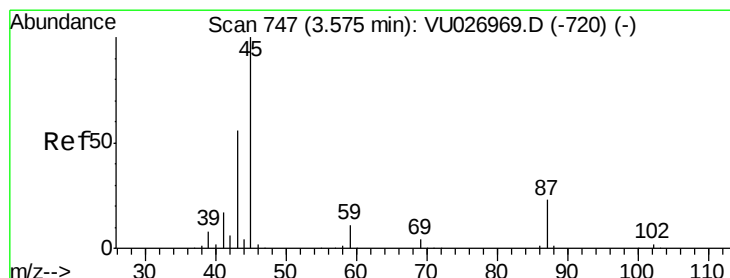
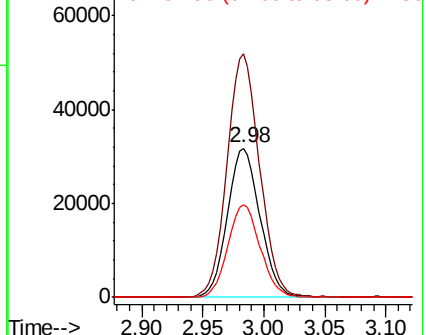
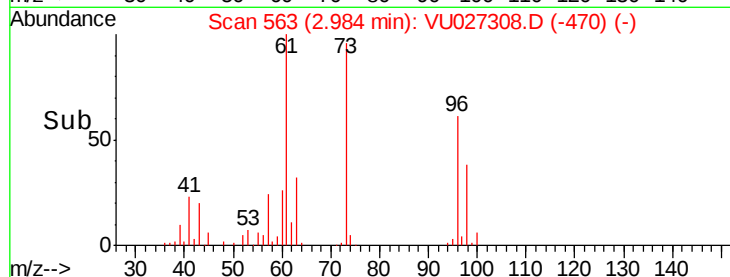
96 100

61 162.8 131.8 197.6

98 62.3 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027308.D (-470) (-)



#22

Diisopropyl ether

Concen: 55.683 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Tgt Ion: 45 Resp: 267392

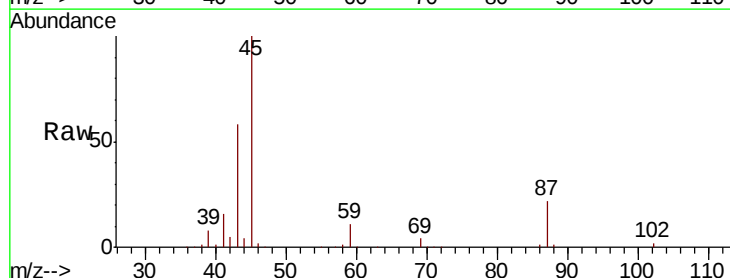
Ion Ratio Lower Upper

45 100

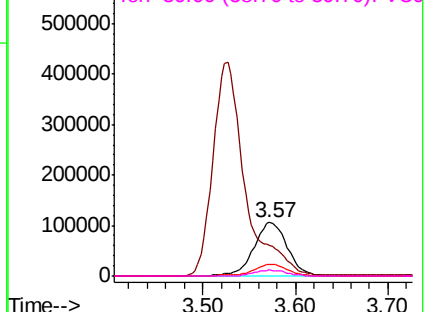
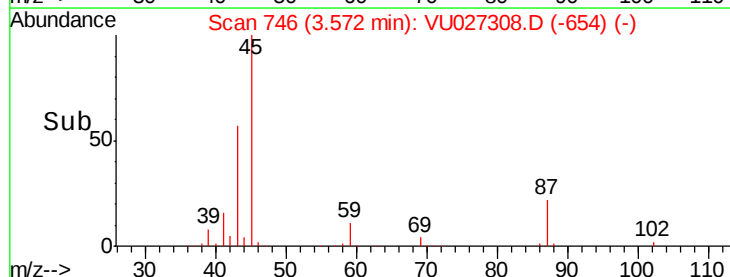
43 55.8 45.8 68.6

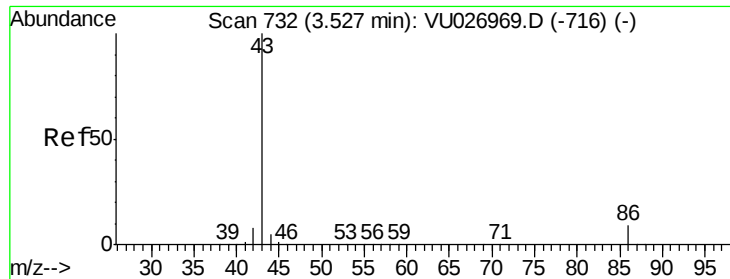
87 21.9 18.6 28.0

59 10.8 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027308.D (-654) (-)





#23

Vinyl Acetate

Concen: 250.007 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

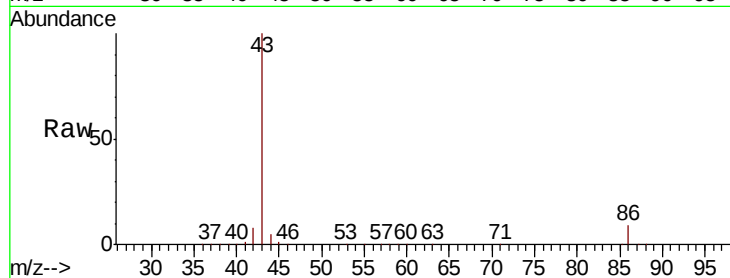
SA-TW502-0913MSD

Tgt Ion: 43 Resp: 1023376

Ion Ratio Lower Upper

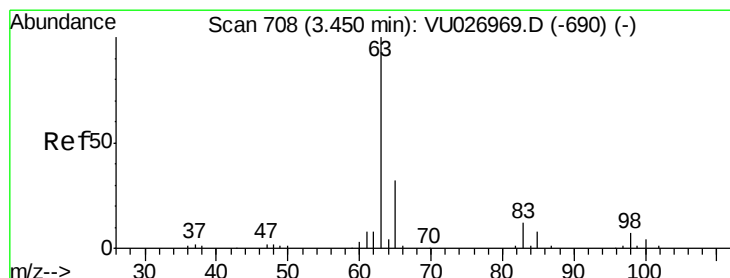
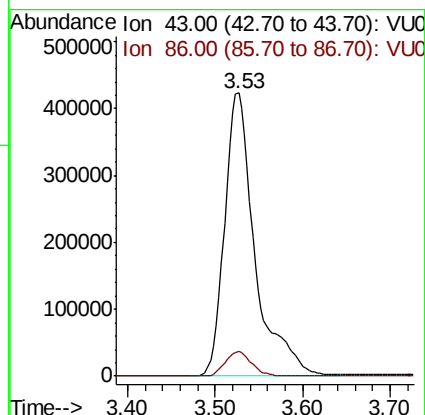
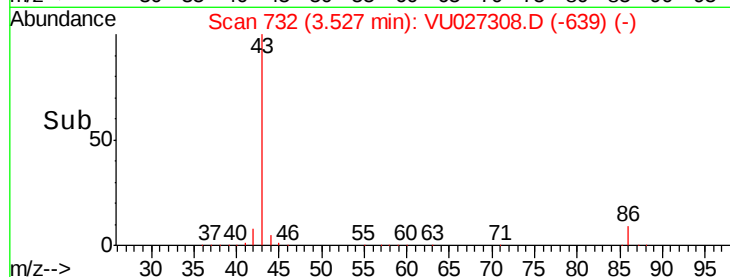
43 100

86 8.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU027308.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027308.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 51.857 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

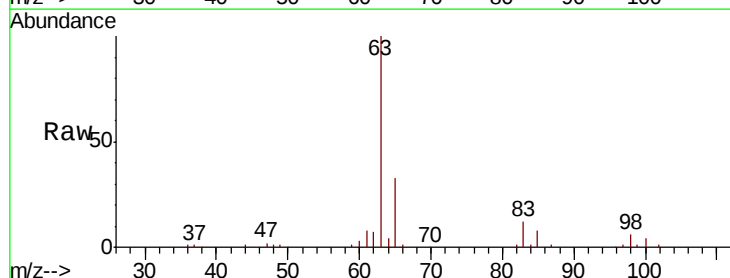
Tgt Ion: 63 Resp: 137150

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

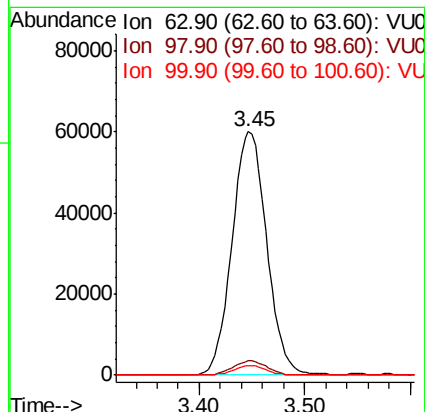
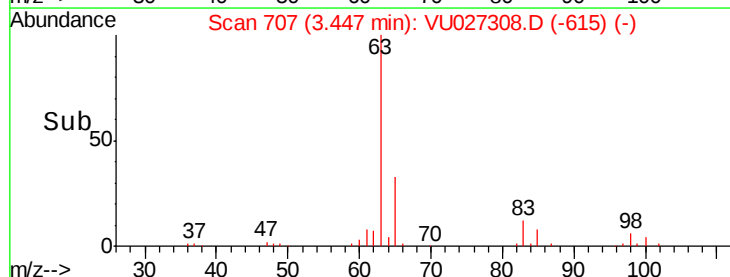
100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027308.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027308.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027308.D (-615) (-)





#25

2-Butanone

Concen: 253.640 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

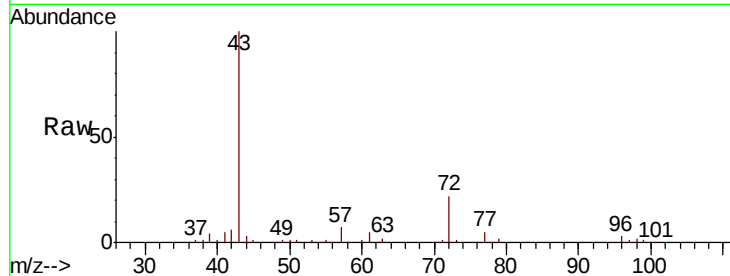
SA-TW502-0913MSD

Tgt Ion: 43 Resp: 343831

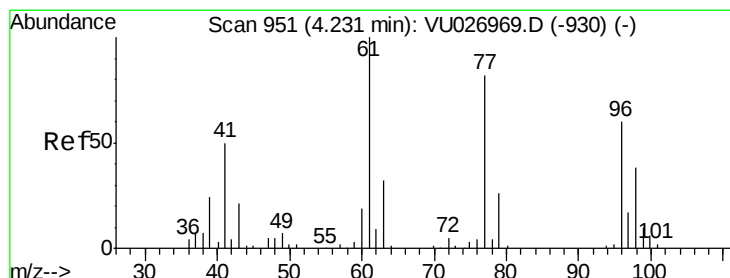
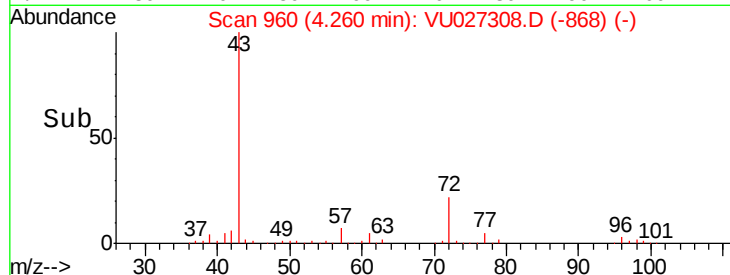
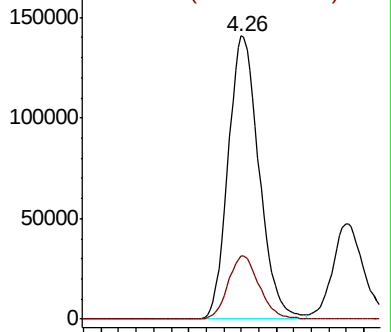
Ion Ratio Lower Upper

43 100

72 22.2 18.4 27.6



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



#26

2,2-Dichloropropane

Concen: 40.020 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027308.D

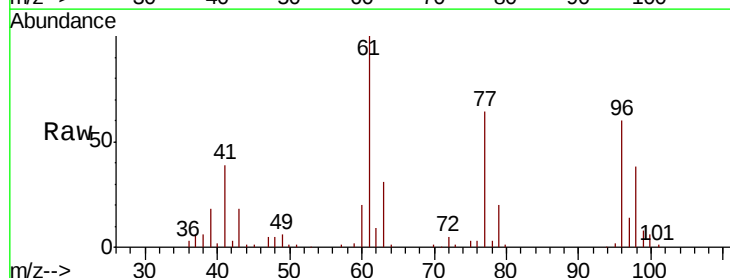
Acq: 29 Sep 2018 06:11

Tgt Ion: 77 Resp: 82546

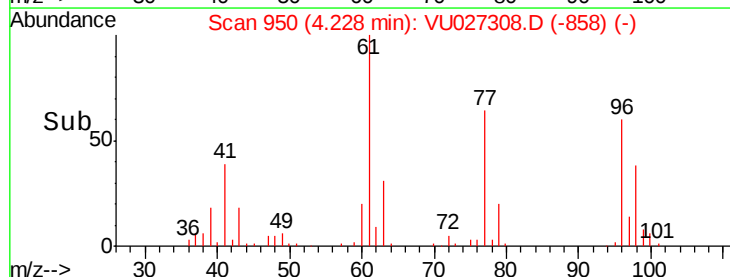
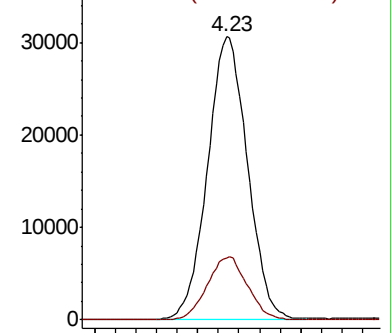
Ion Ratio Lower Upper

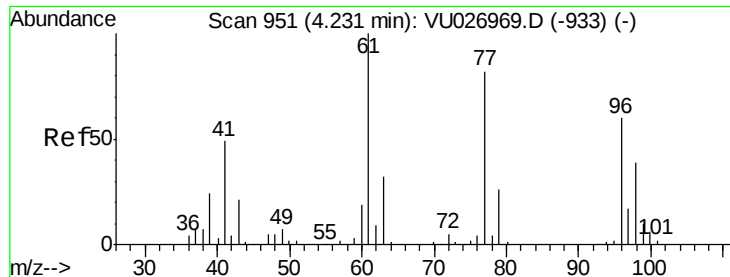
77 100

97 22.2 10.5 31.5



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



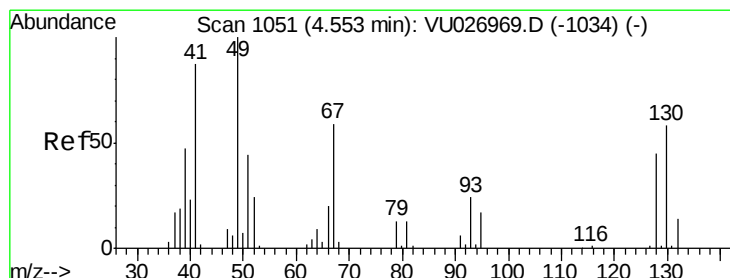
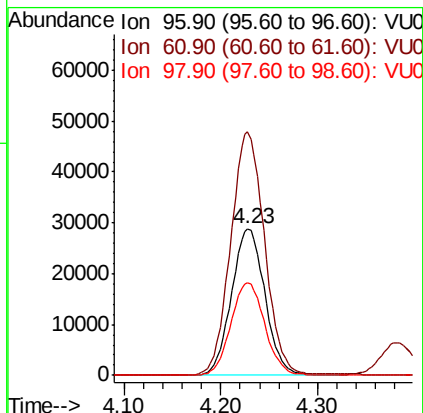
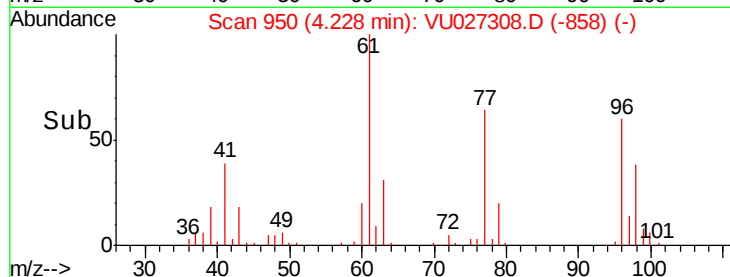
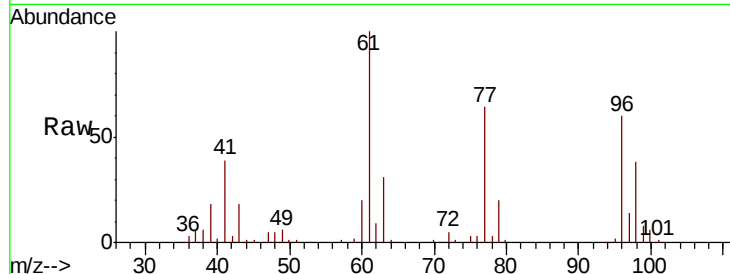


#27

cis-1,2-Dichloroethene
 Concen: 52.045 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

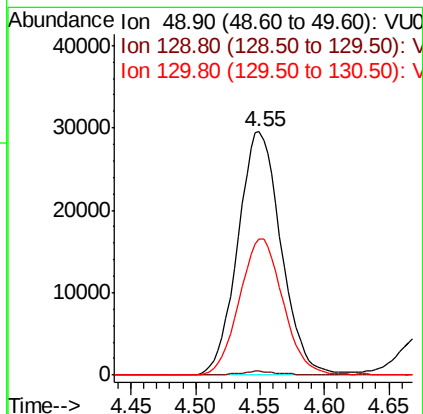
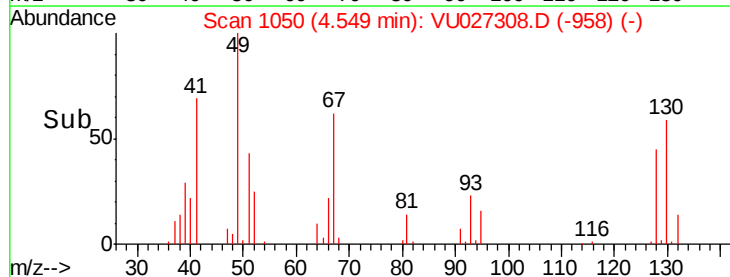
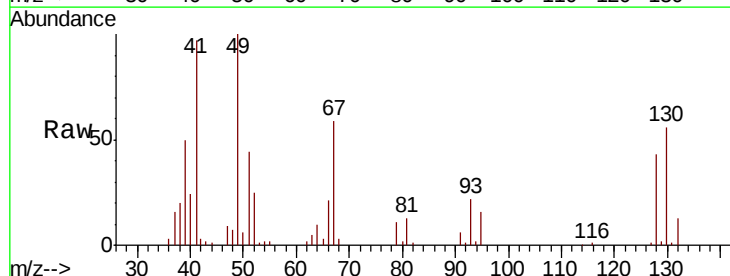
Tgt Ion: 96 Resp: 69462
 Ion Ratio Lower Upper
 96 100
 61 167.5 0.0 337.2
 98 63.9 0.0 127.6

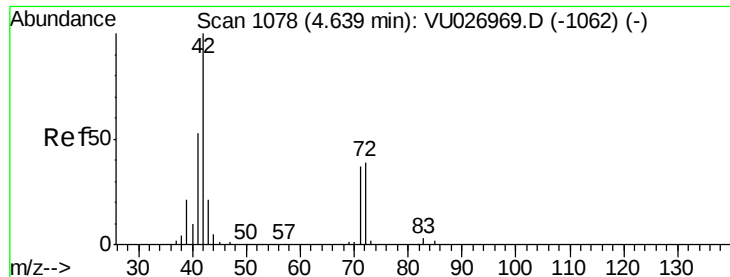


#28

Bromochloromethane
 Concen: 53.977 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 49 Resp: 68816
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.0
 130 56.7 47.8 71.8





#29

Tetrahydrofuran

Concen: 274.362 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

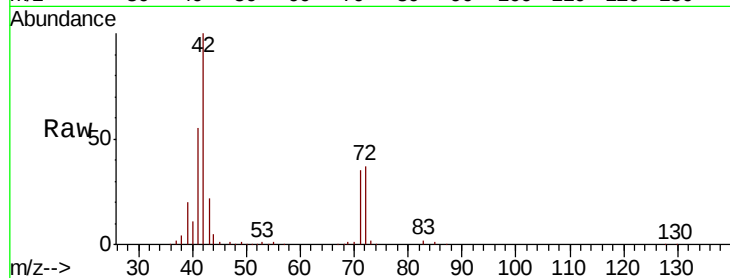
Tgt Ion: 42 Resp: 224988

Ion Ratio Lower Upper

42 100

72 38.1 31.7 47.5

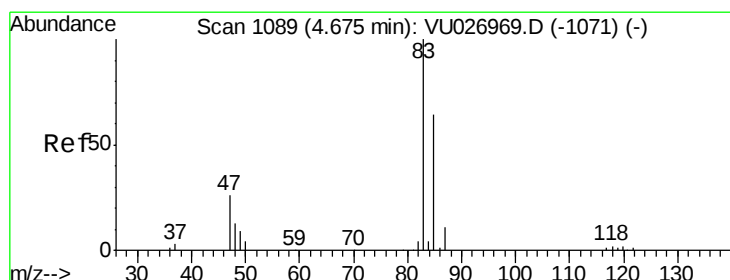
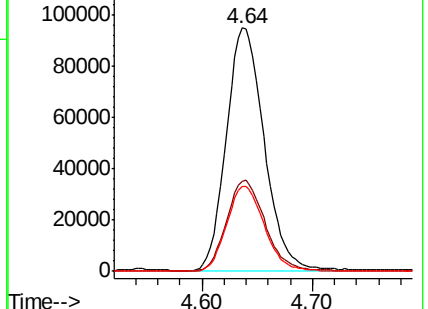
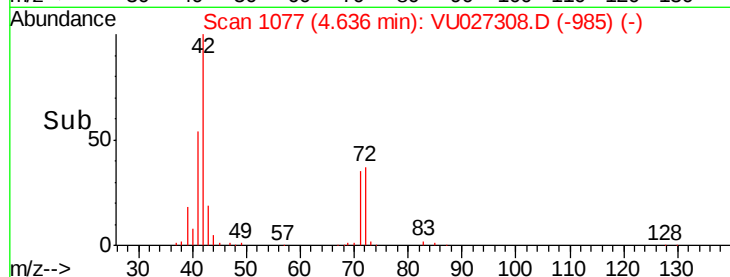
71 35.2 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VU027308.D (-985) (-)

Ion 72.00 (71.70 to 72.70): VU027308.D (-985) (-)

Ion 71.00 (70.70 to 71.70): VU027308.D (-985) (-)



#30

Chloroform

Concen: 49.798 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027308.D

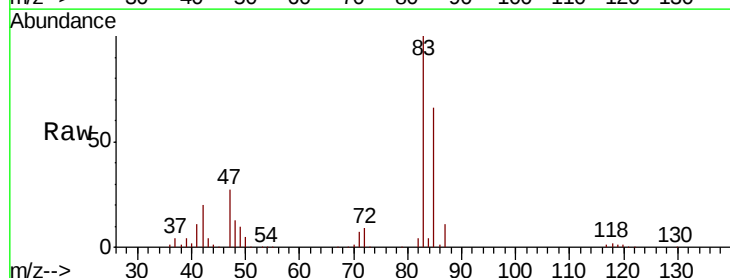
Acq: 29 Sep 2018 06:11

Tgt Ion: 83 Resp: 122254

Ion Ratio Lower Upper

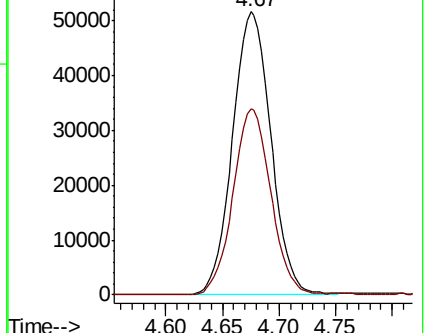
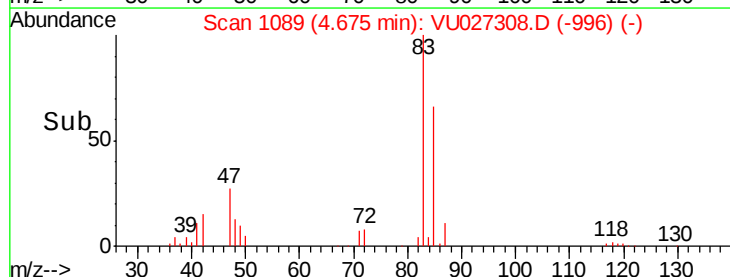
83 100

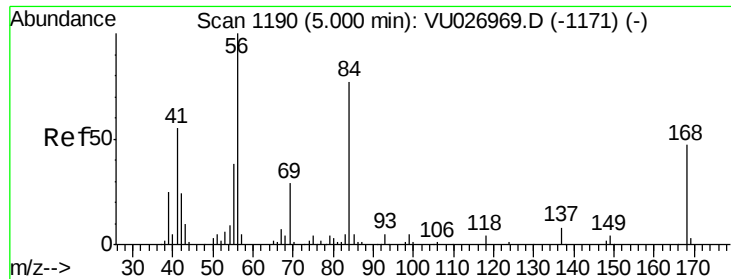
85 65.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU027308.D (-996) (-)

Ion 84.90 (84.60 to 85.60): VU027308.D (-996) (-)

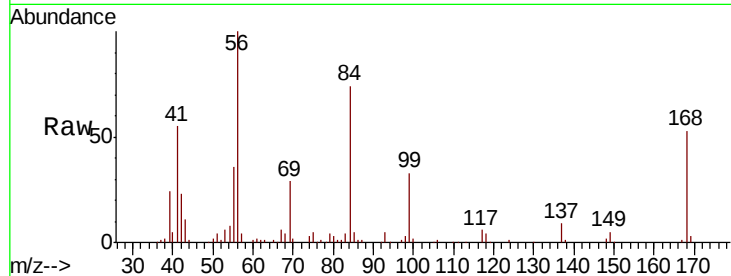




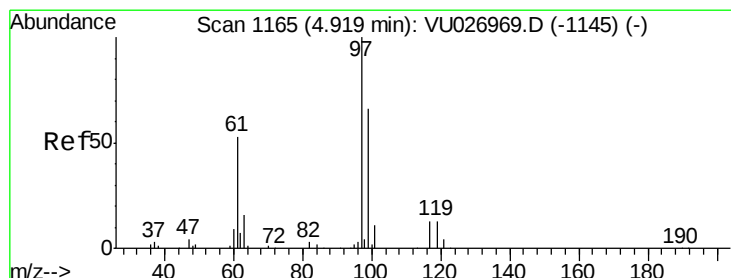
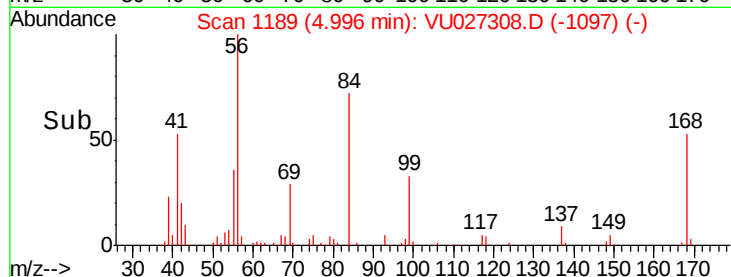
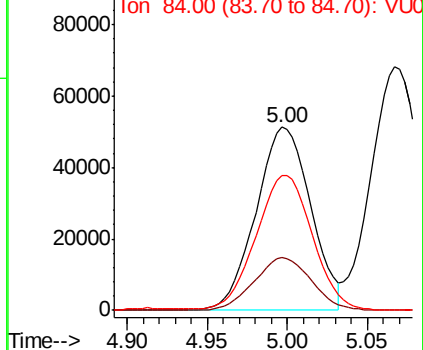
#31
Cyclohexane
Concen: 50.510 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 56 Resp: 121419
Ion Ratio Lower Upper
56 100
69 28.7 23.0 34.4
84 72.9 61.4 92.2

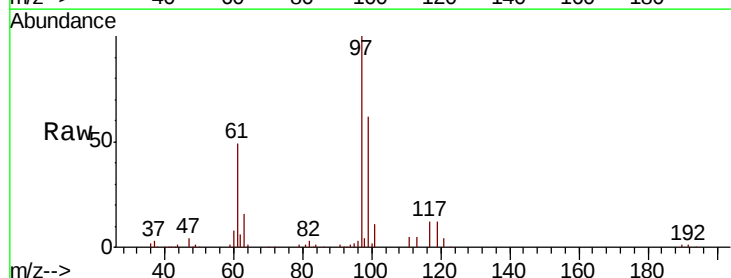


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

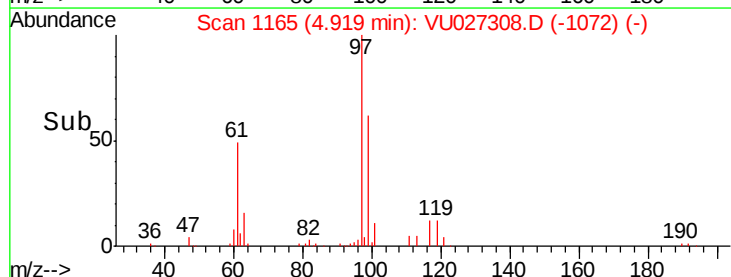
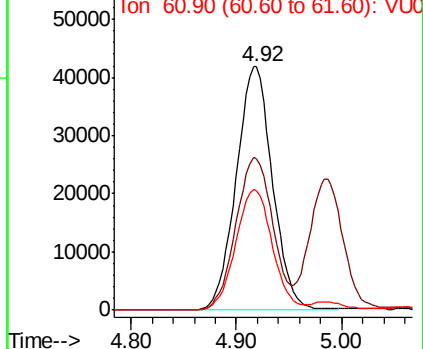


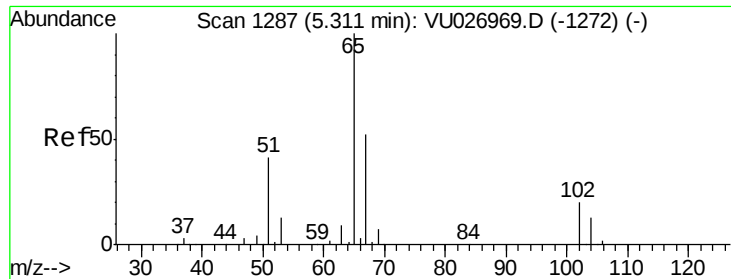
#32
1,1,1-Trichloroethane
Concen: 51.056 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 97 Resp: 100077
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 50.0 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

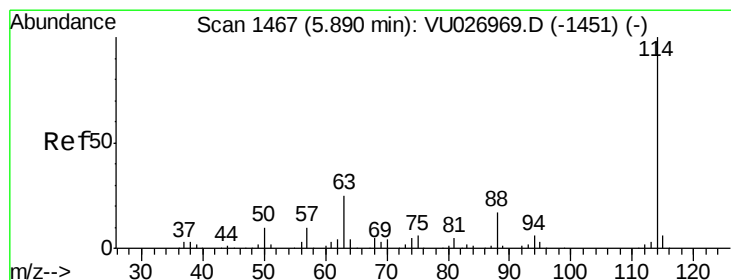
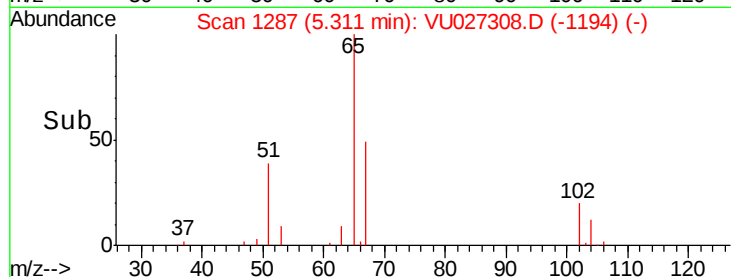
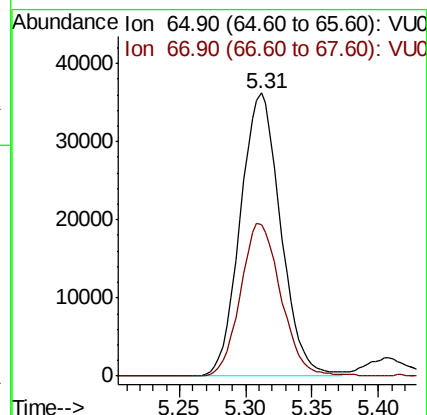
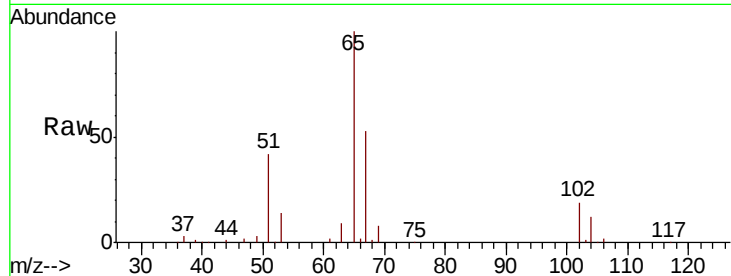




#33
 1,2-Dichloroethane-d4
 Concen: 47.438 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

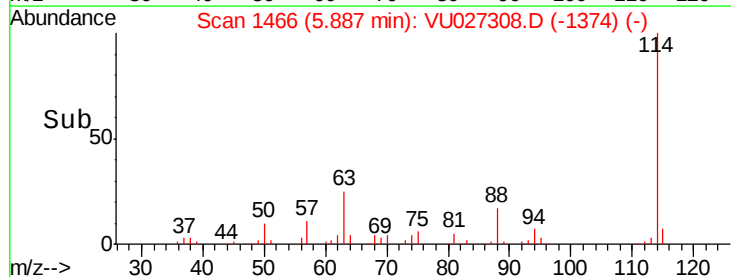
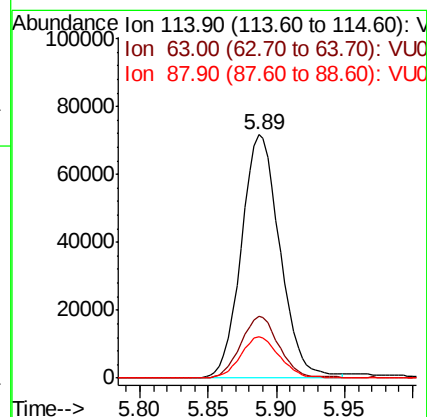
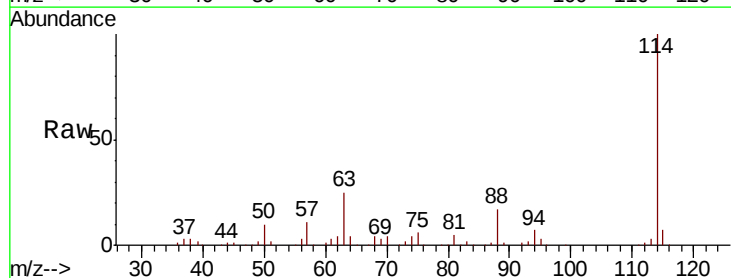
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

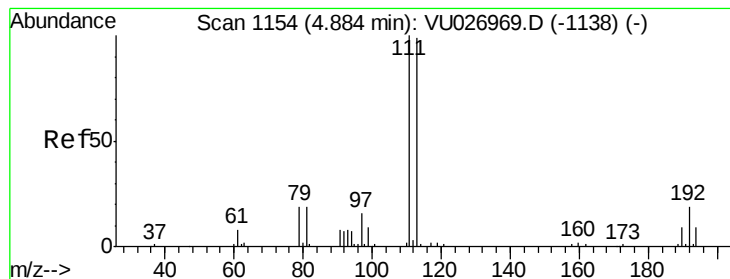
Tgt Ion: 65 Resp: 76520
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 114 Resp: 140844
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.848 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

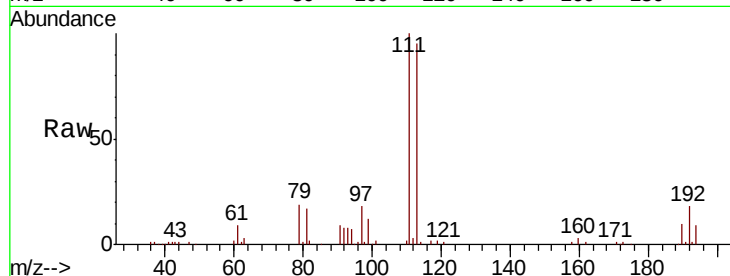
Tgt Ion:113 Resp: 55973

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

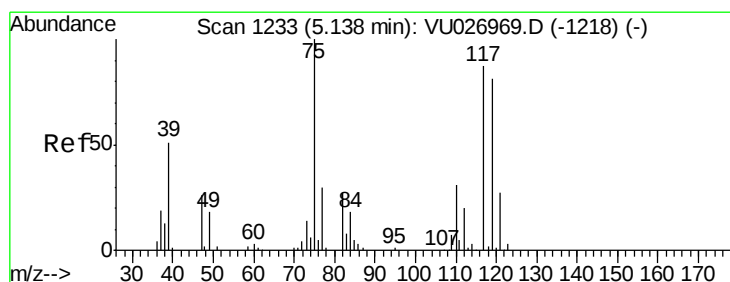
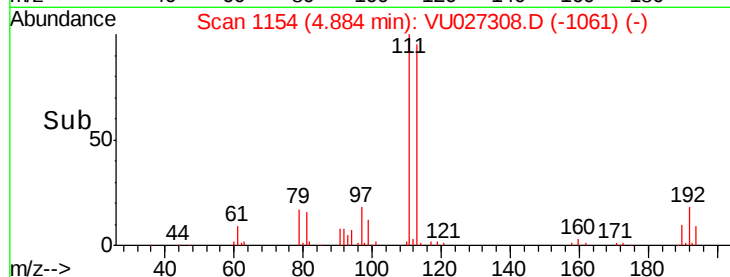
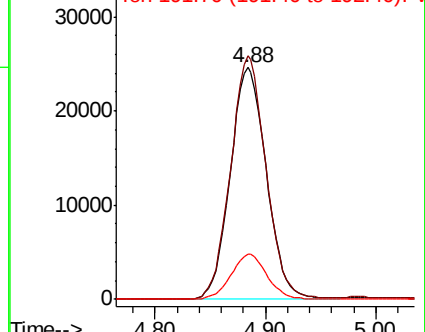
192 19.0 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.032 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

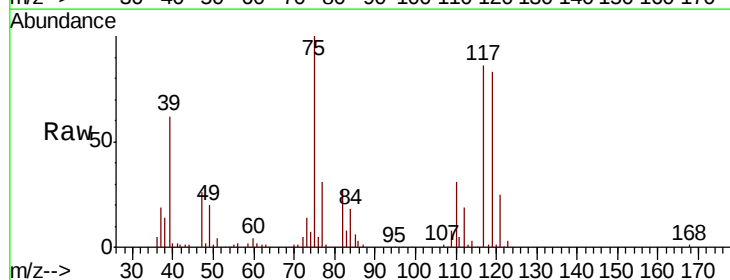
Tgt Ion: 75 Resp: 90287

Ion Ratio Lower Upper

75 100

110 31.2 16.1 48.2

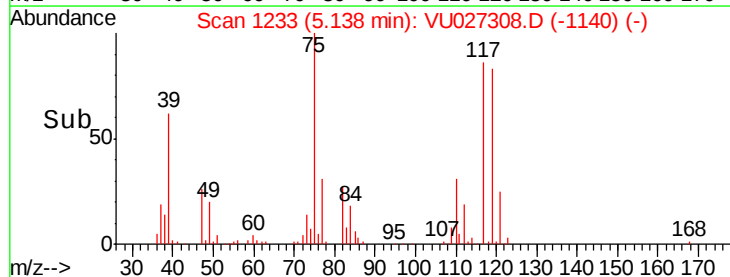
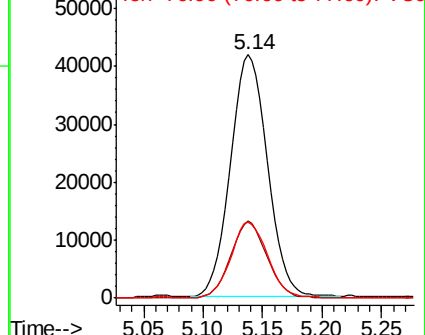
77 31.5 24.6 36.8

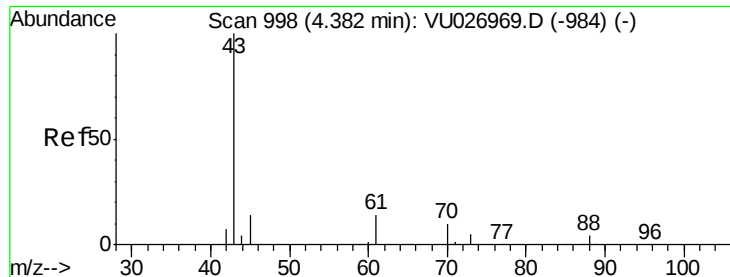


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

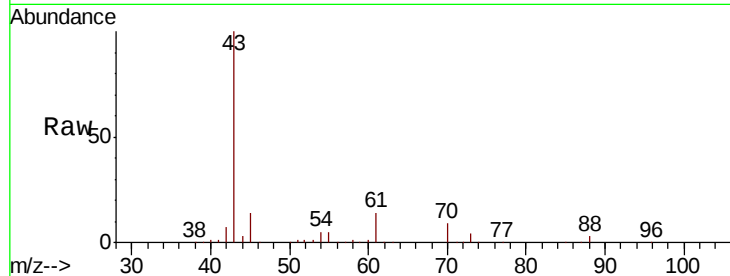




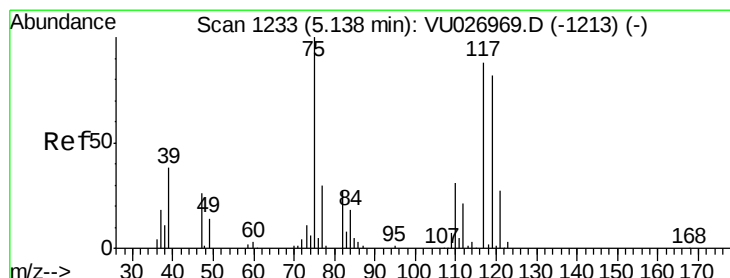
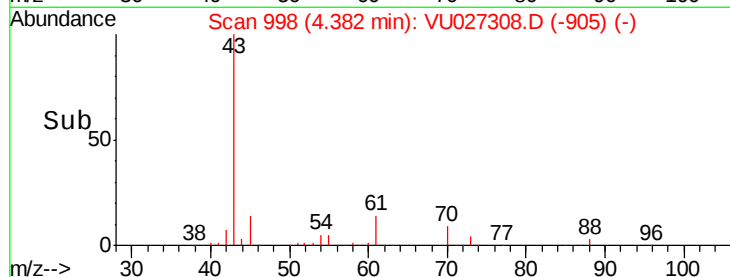
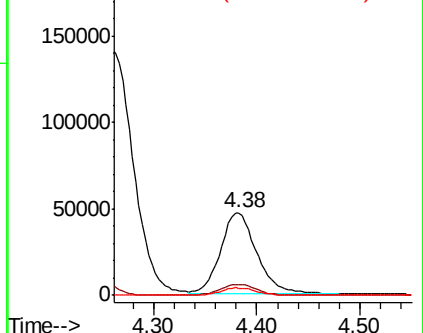
#37
Ethyl Acetate
Concen: 45.272 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 43 Resp: 115203
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.0 7.4 11.0

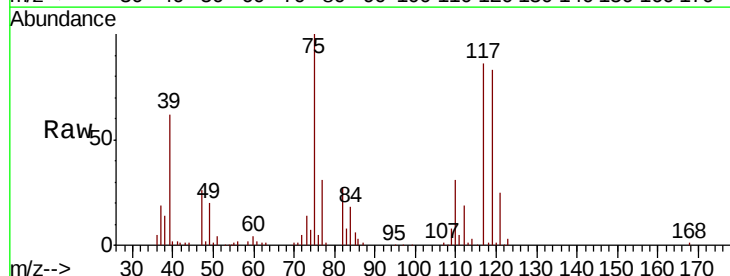


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

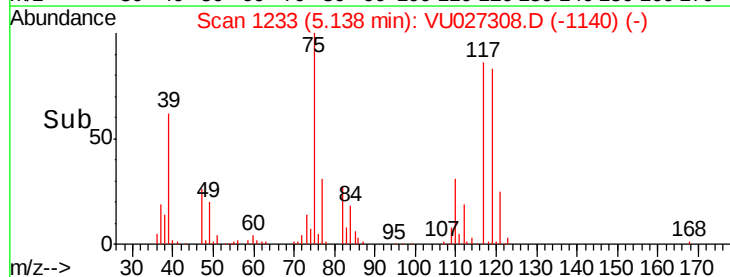
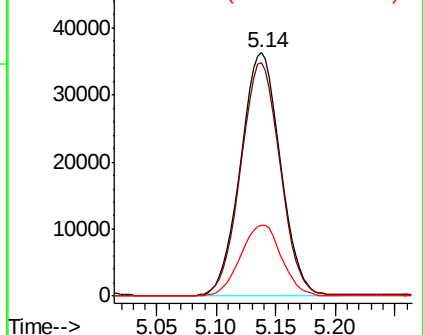


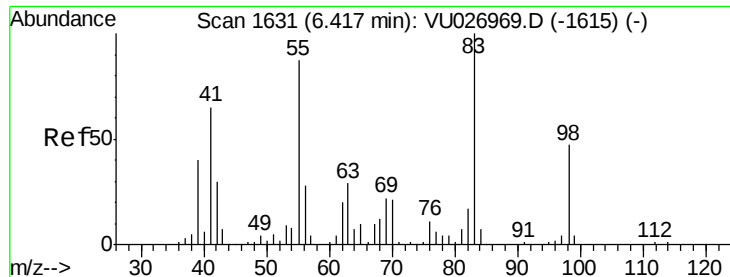
#38
Carbon Tetrachloride
Concen: 47.266 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 117 Resp: 84550
Ion Ratio Lower Upper
117 100
119 95.9 74.4 111.6
121 29.3 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

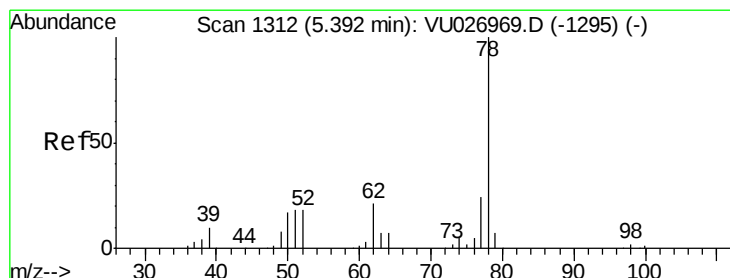
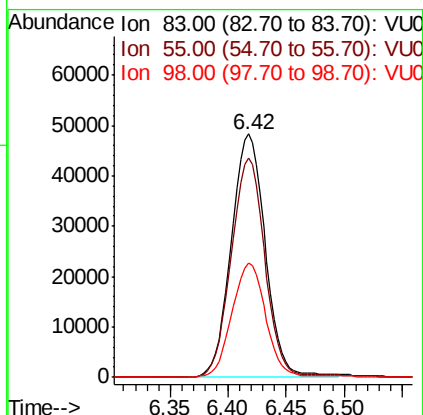
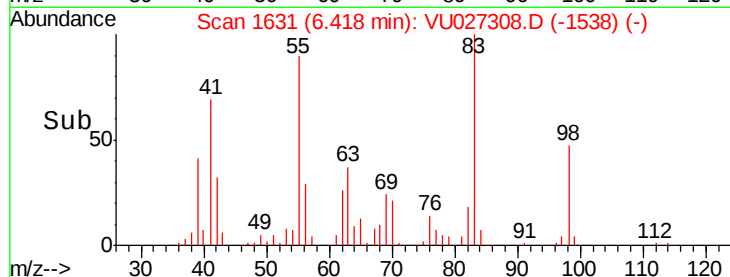
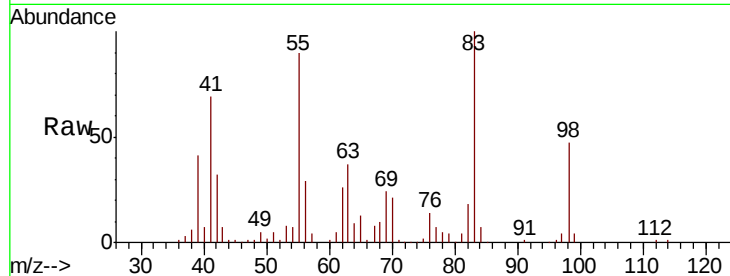




#39
Methylcyclohexane
Concen: 48.246 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

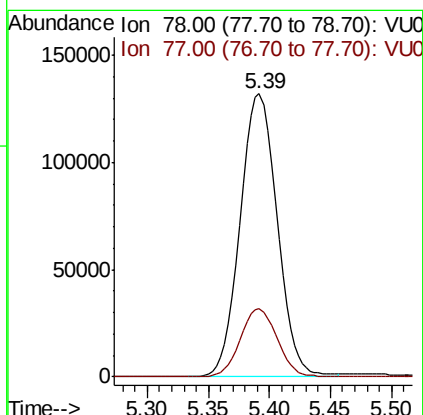
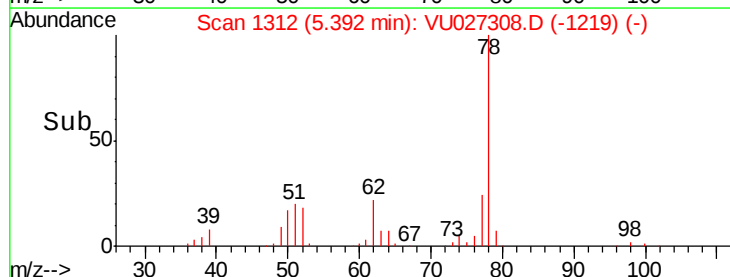
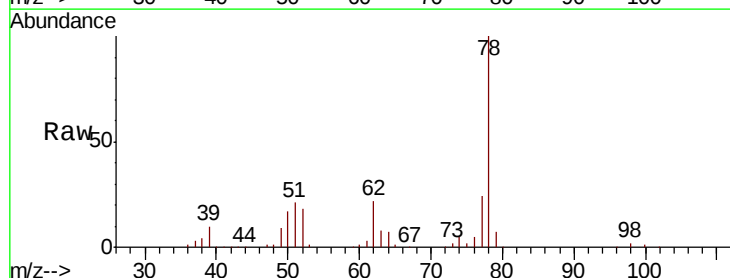
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 83 Resp: 98554
Ion Ratio Lower Upper
83 100
55 90.3 69.9 104.9
98 47.1 37.5 56.3



#40
Benzene
Concen: 48.649 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 78 Resp: 277997
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

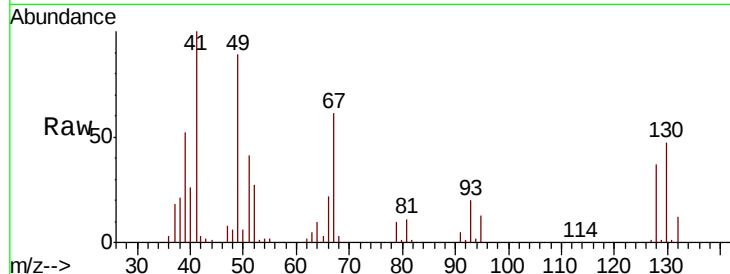




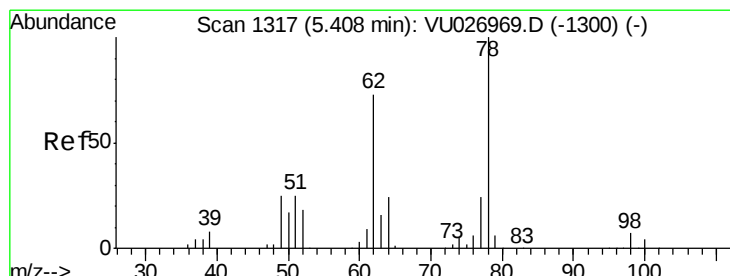
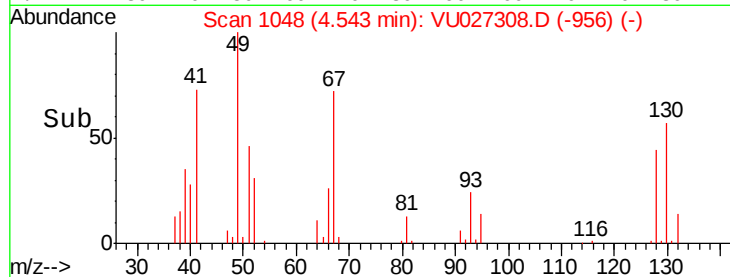
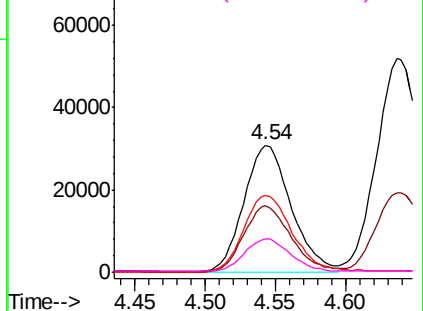
#41
Methacrylonitrile
Concen: 55.119 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 41 Resp: 72843
Ion Ratio Lower Upper
41 100
39 51.6 42.9 64.3
67 62.5 52.4 78.6
52 25.0 21.3 31.9

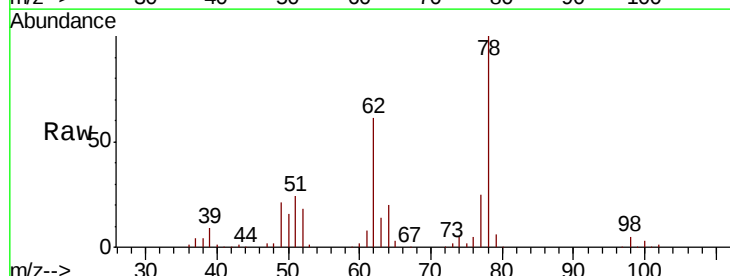


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

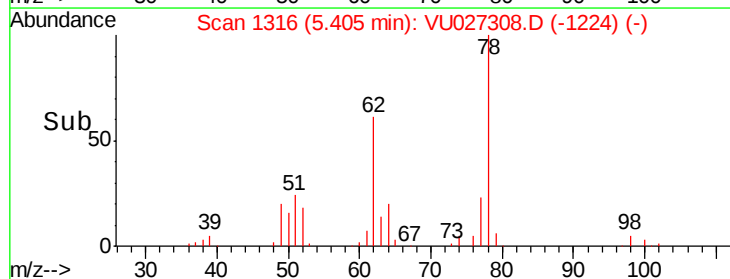
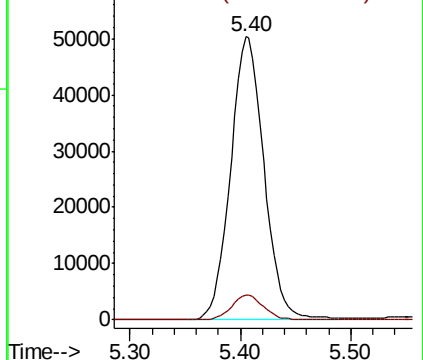


#42
1,2-Dichloroethane
Concen: 49.003 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 62 Resp: 105796
Ion Ratio Lower Upper
62 100
98 8.4 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: 49.995 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

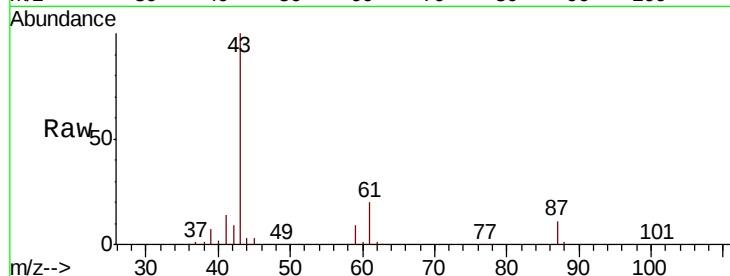
Tgt Ion: 43 Resp: 185533

Ion Ratio Lower Upper

43 100

61 19.4 15.7 23.5

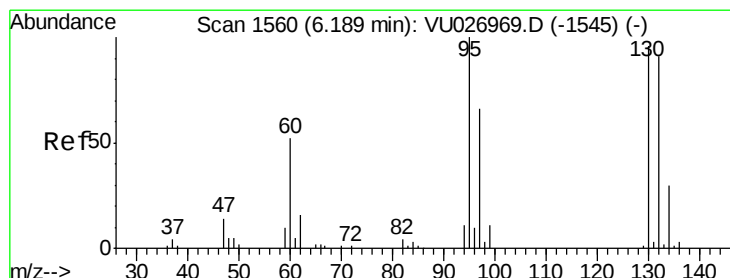
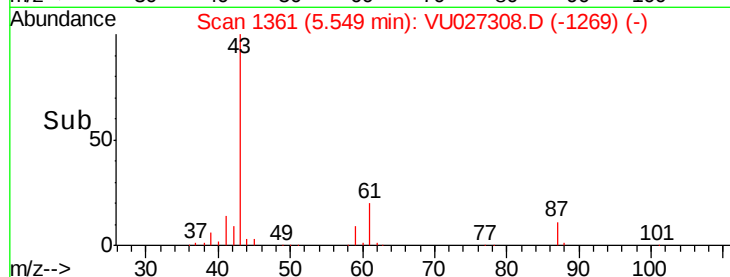
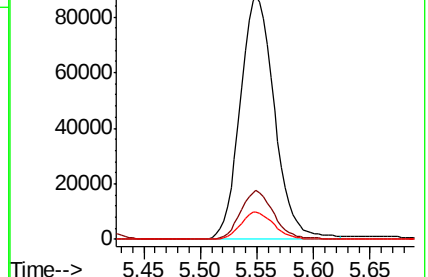
87 10.9 9.0 13.4



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: 48.394 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027308.D

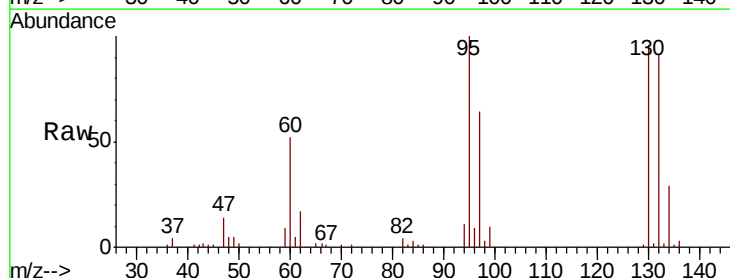
Acq: 29 Sep 2018 06:11

Tgt Ion: 130 Resp: 58873

Ion Ratio Lower Upper

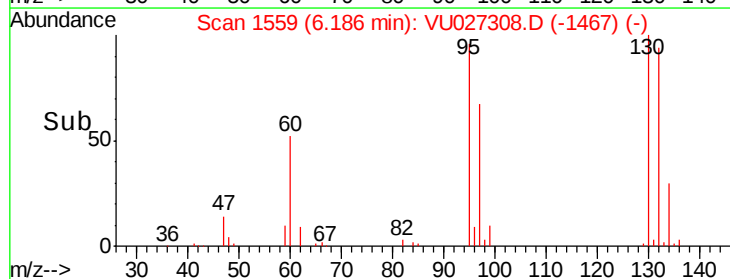
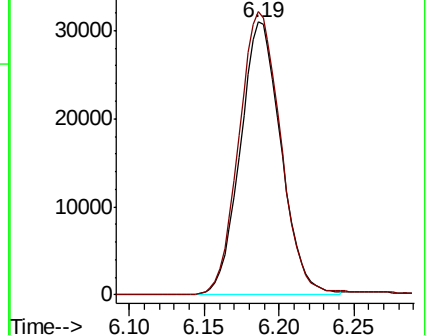
130 100

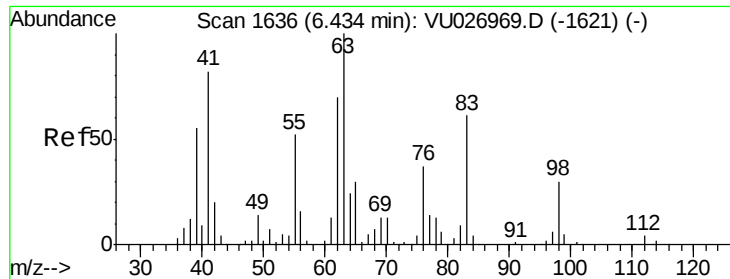
95 103.7 0.0 208.8



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

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

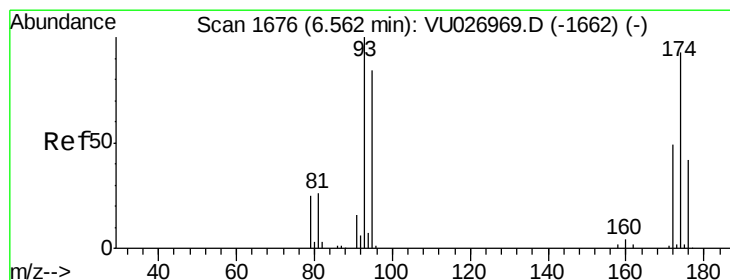
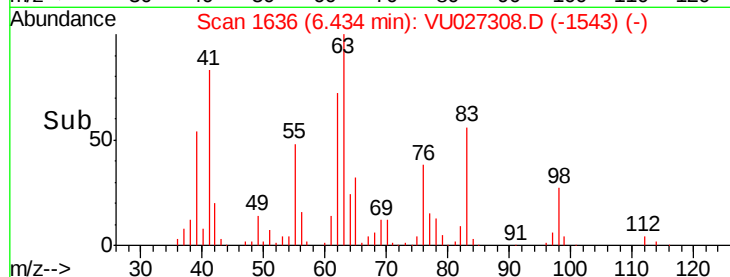
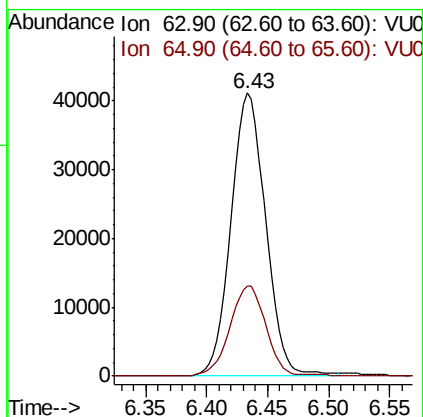
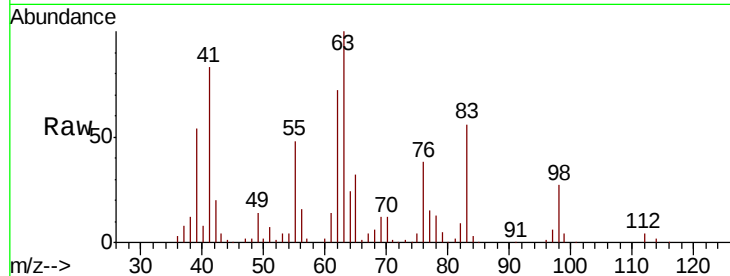




#45
 1,2-Dichloropropane
 Concen: 50.019 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

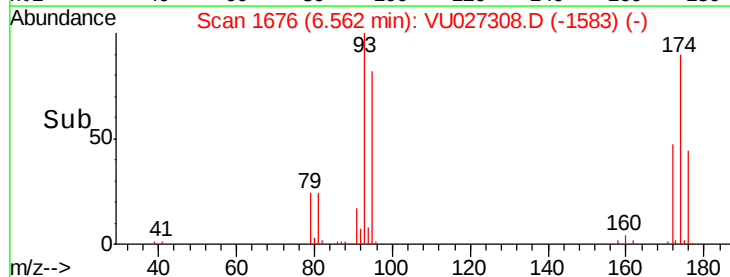
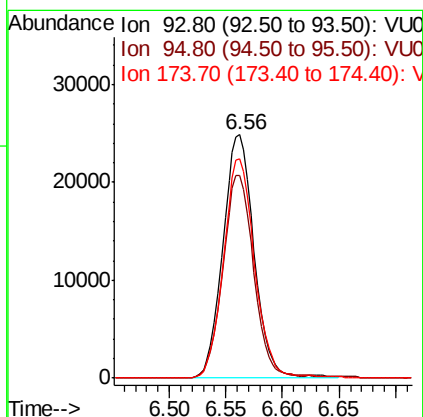
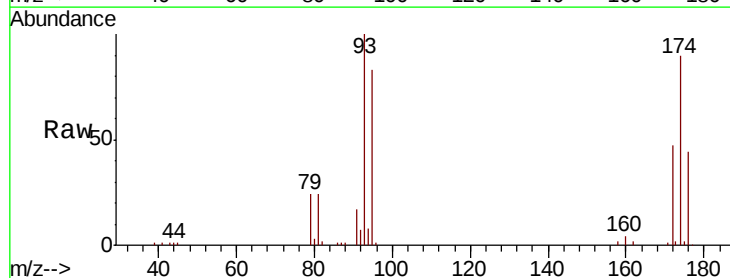
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

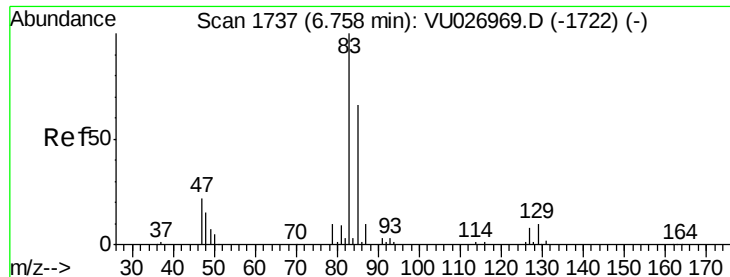
Tgt Ion: 63 Resp: 81441
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.3 36.5



#46
 Dibromomethane
 Concen: 48.652 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 93 Resp: 47842
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.4
 174 89.8 71.7 107.5





#47

Bromodichloromethane

Concen: 48.046 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

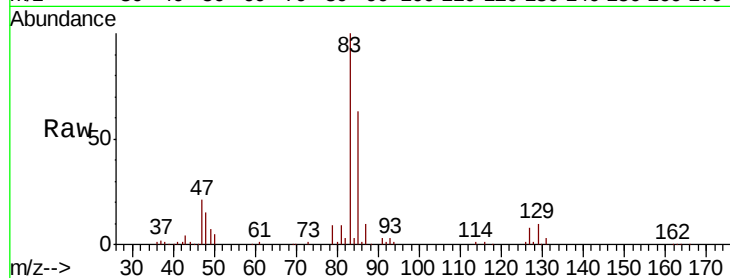
Tgt Ion: 83 Resp: 95534

Ion Ratio Lower Upper

83 100

85 63.0 52.5 78.7

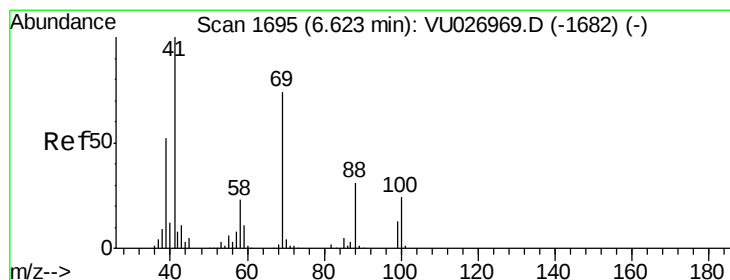
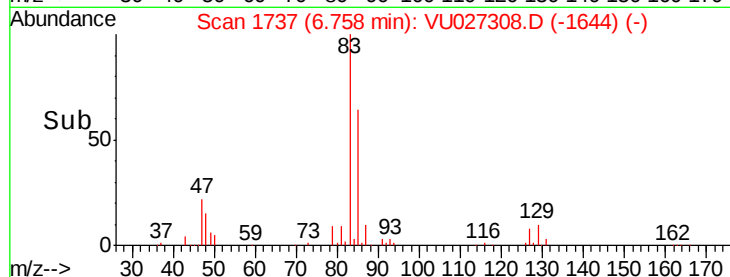
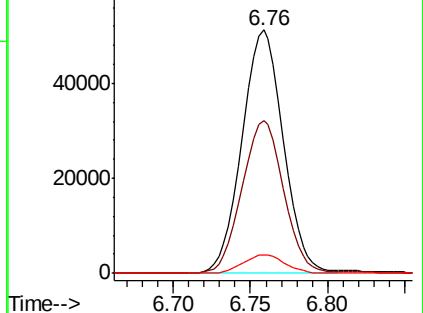
127 7.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.144 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

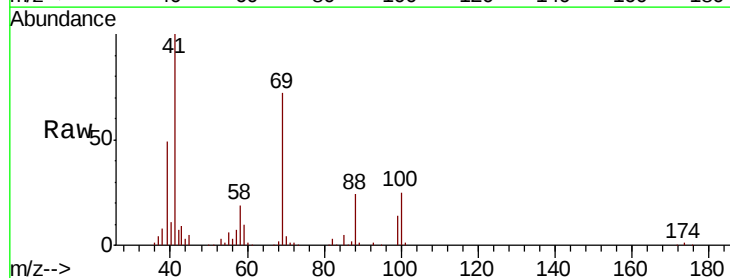
Tgt Ion: 41 Resp: 101290

Ion Ratio Lower Upper

41 100

69 74.9 60.6 90.8

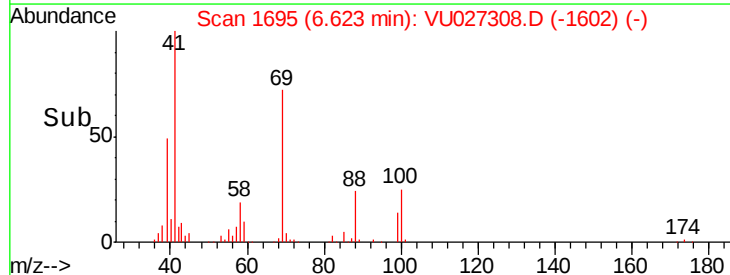
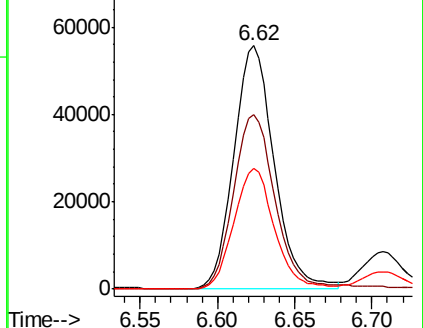
39 49.6 42.8 64.2

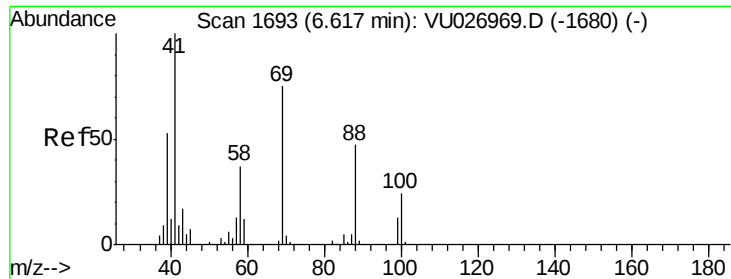


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

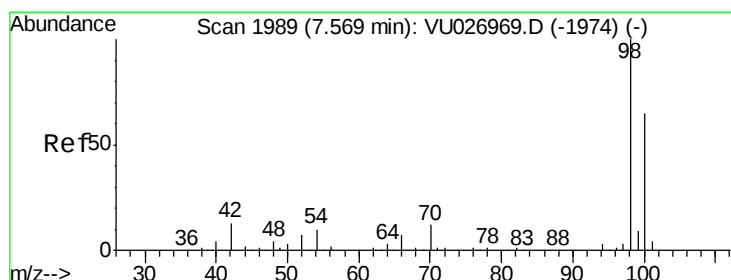
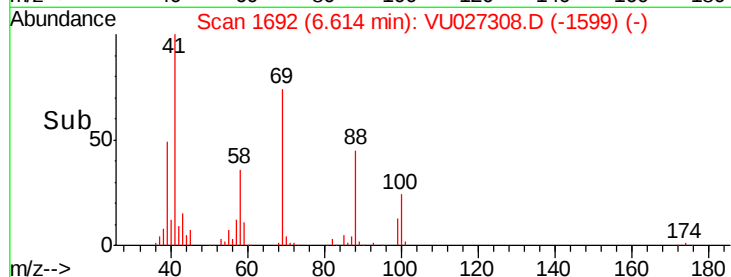
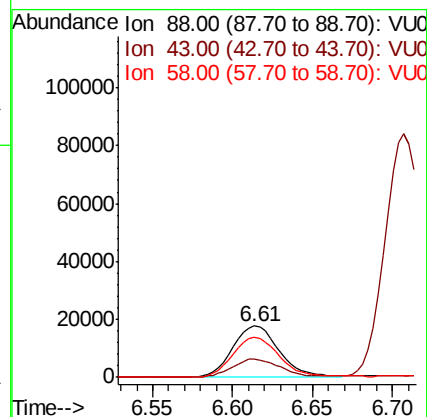
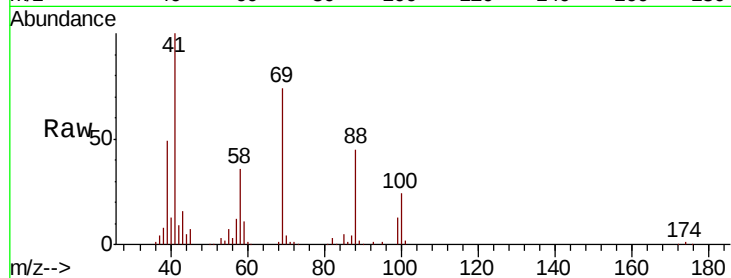




#49
1,4-Dioxane
Concen: 881.692 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

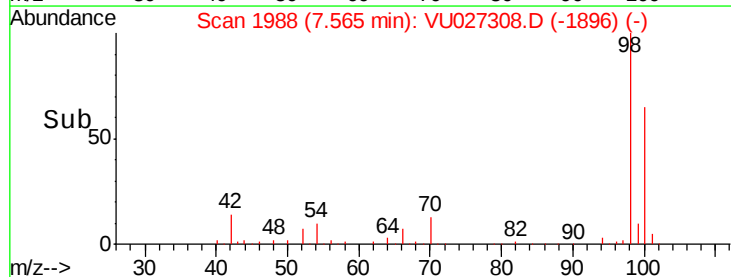
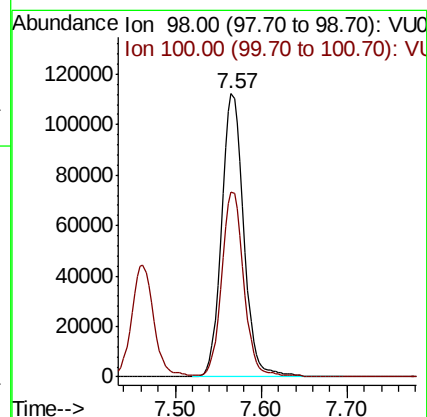
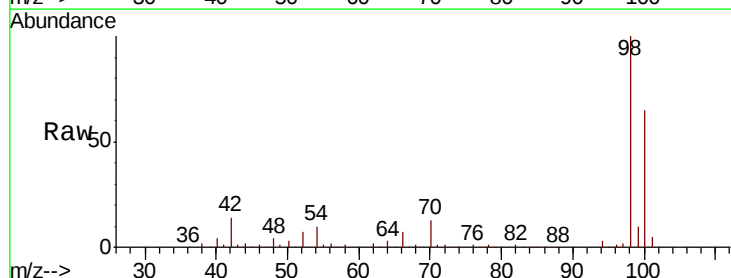
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

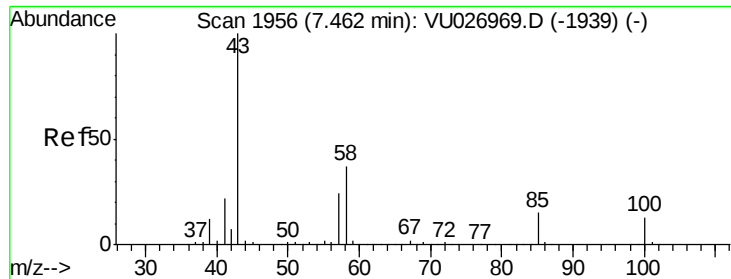
Tgt Ion: 88 Resp: 35376
Ion Ratio Lower Upper
88 100
43 36.3 29.8 44.8
58 79.7 63.9 95.9



#50
Toluene-d8
Concen: 43.420 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 98 Resp: 202020
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 262.431 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

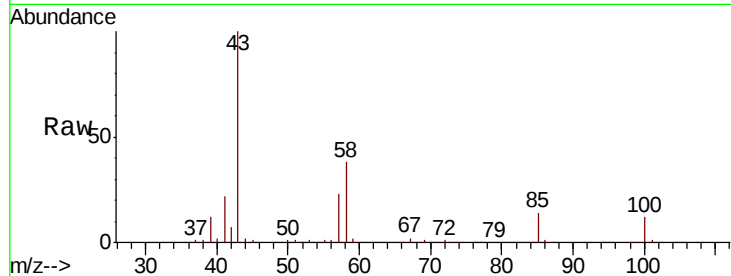
SA-TW502-0913MSD

Tgt Ion: 43 Resp: 655004

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

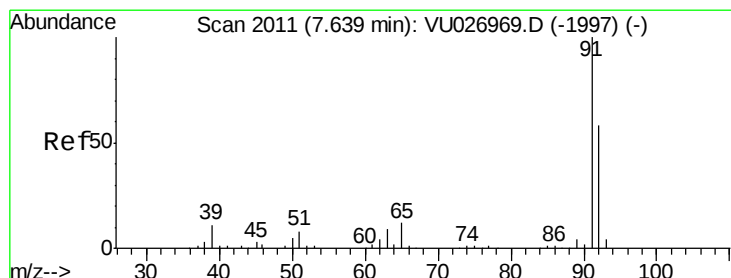
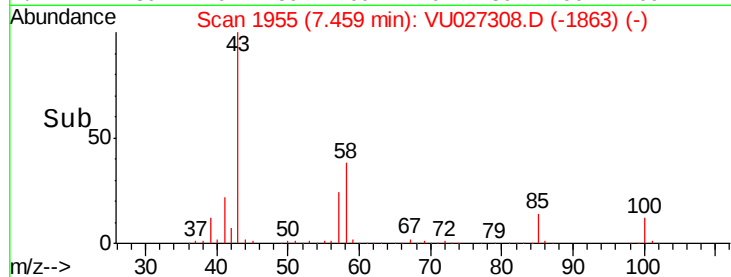
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.437 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027308.D

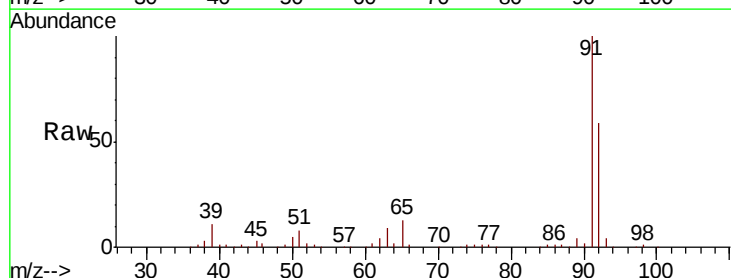
Acq: 29 Sep 2018 06:11

Tgt Ion: 92 Resp: 165204

Ion Ratio Lower Upper

92 100

91 171.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

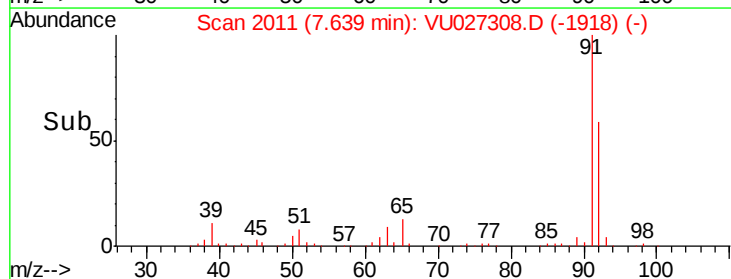
150000

100000

50000

0

Time-->

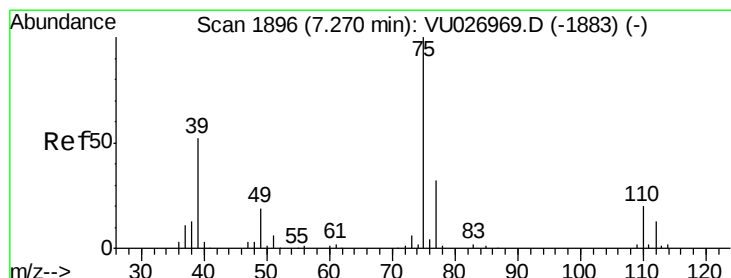
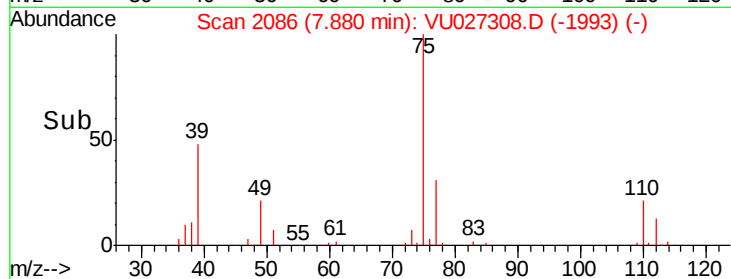
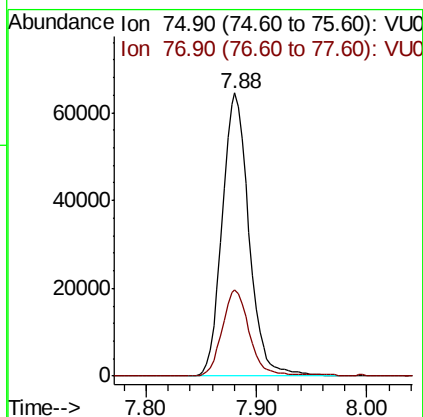
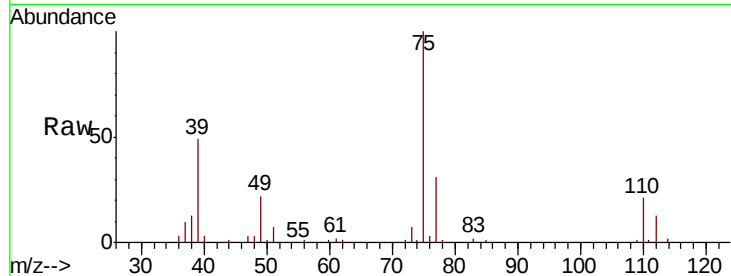




#53
t-1,3-Dichloropropene
Concen: 50.898 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

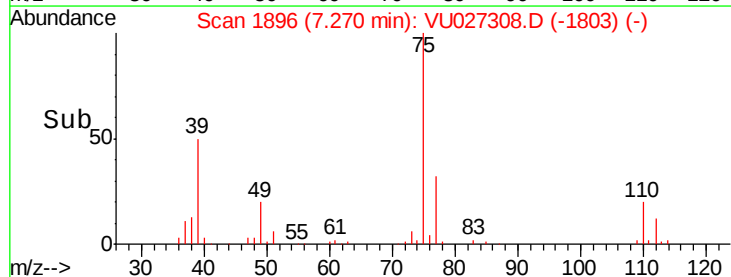
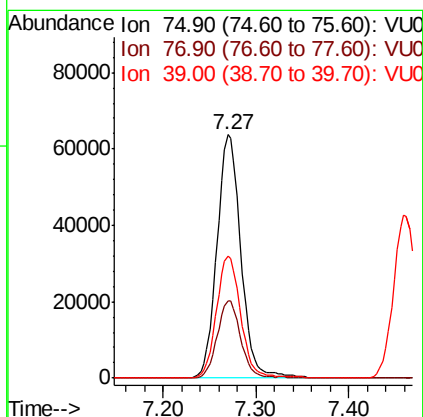
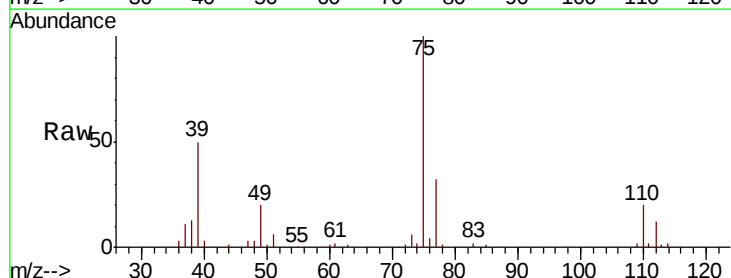
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 75 Resp: 108736
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 48.584 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 75 Resp: 114123
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 50.3 41.6 62.4

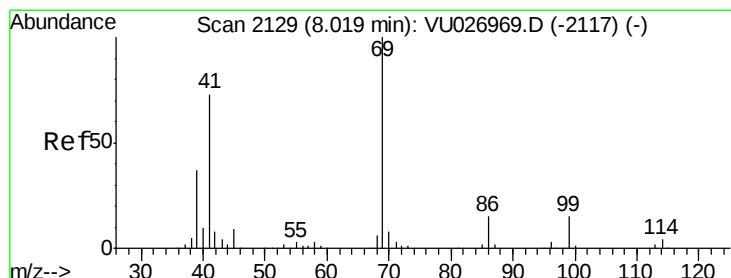
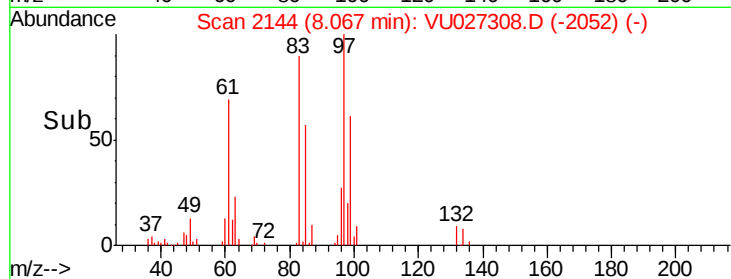
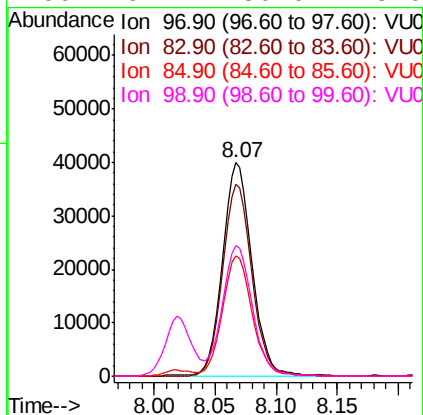
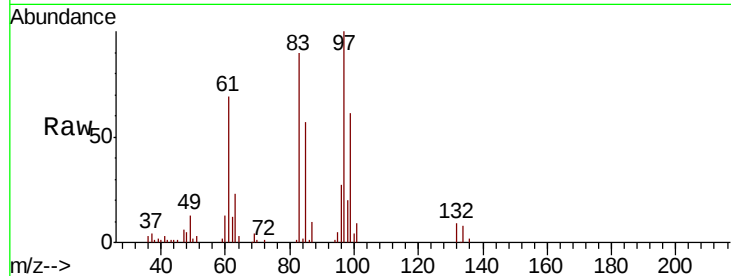




#55
 1,1,2-Trichloroethane
 Concen: 48.827 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

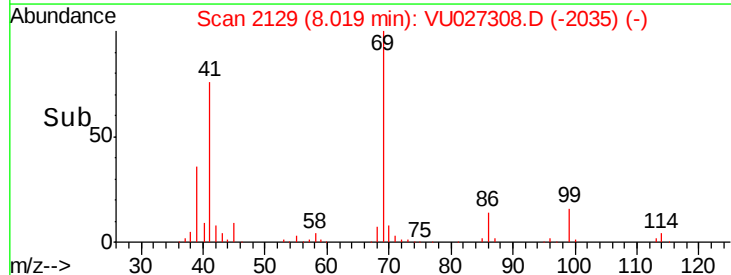
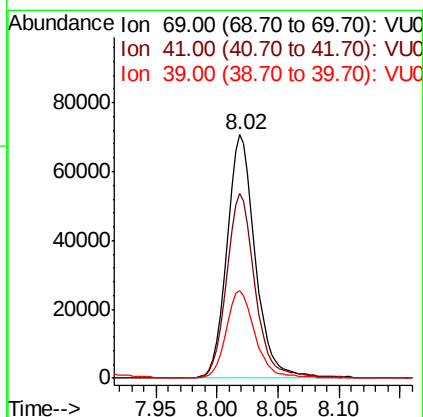
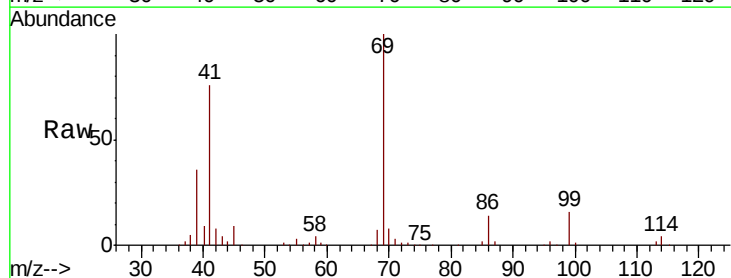
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

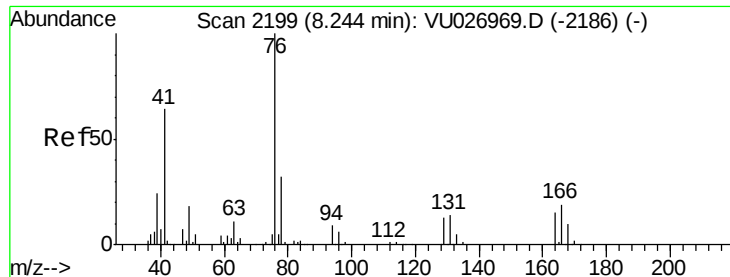
Tgt Ion:	97	Resp:	67767
Ion	Ratio	Lower	Upper
97	100		
83	89.7	73.1	109.7
85	56.6	46.7	70.1
99	61.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 47.930 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion:	69	Resp:	115193
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.0	88.4
39	36.5	30.2	45.4

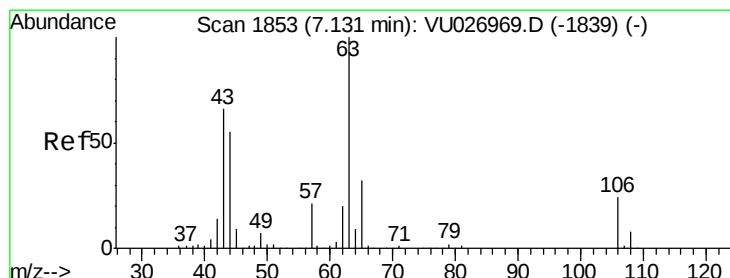
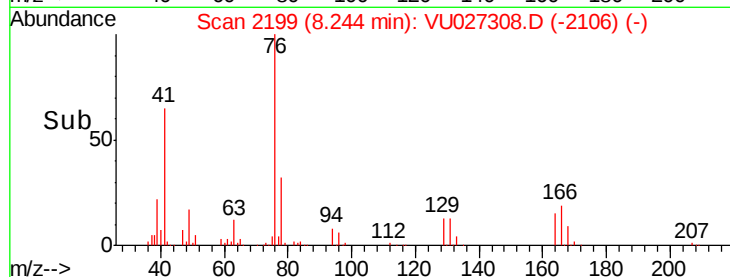
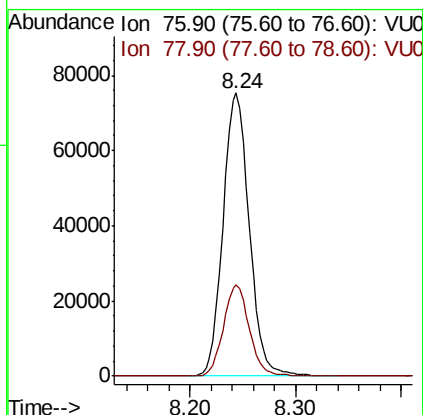
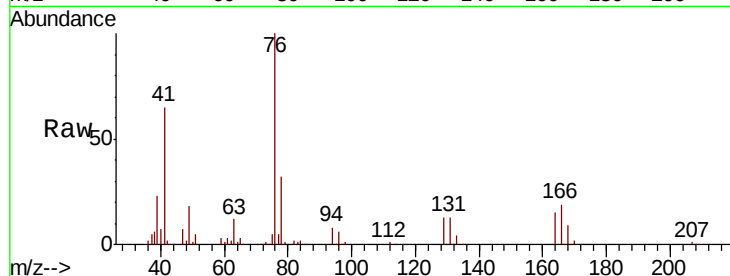




#57
 1,3-Dichloropropane
 Concen: 50.232 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

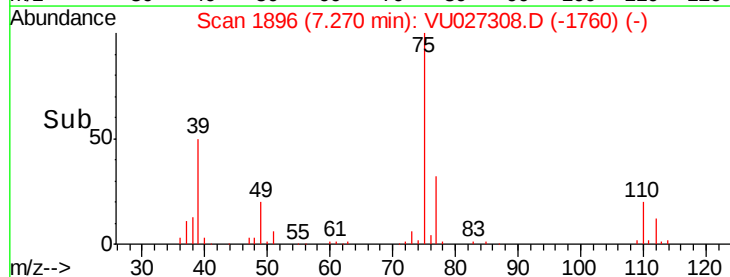
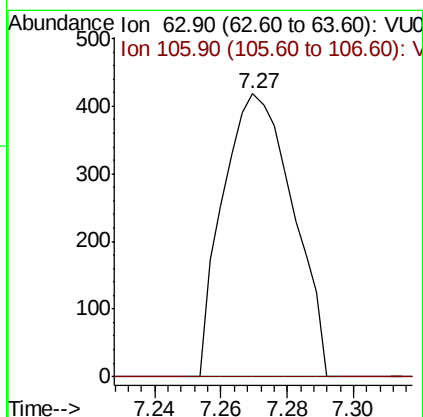
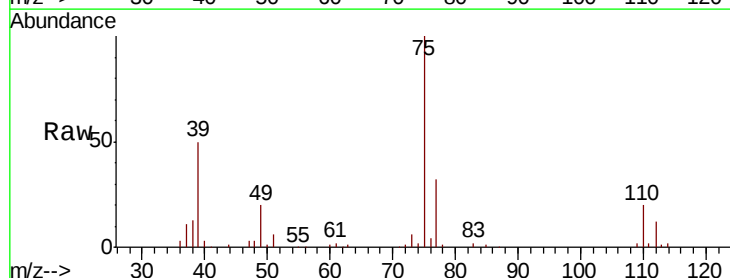
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

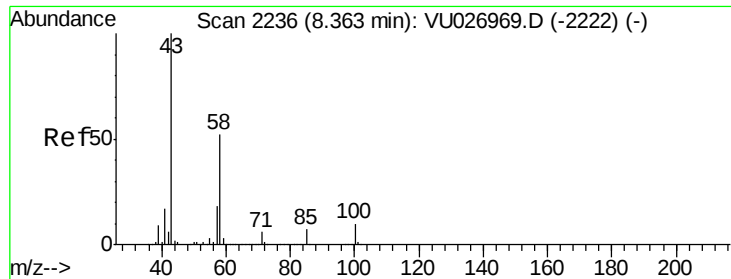
Tgt Ion: 76 Resp: 129667
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.301 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.14 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 63 Resp: 613
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.7 28.1#

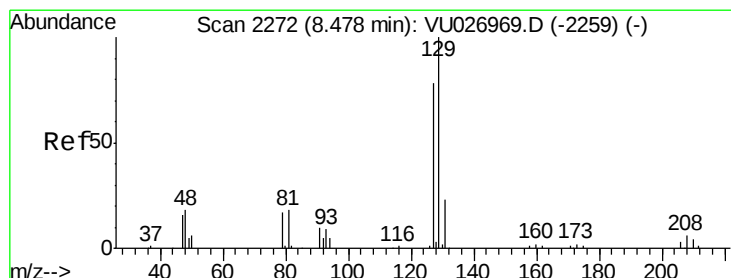
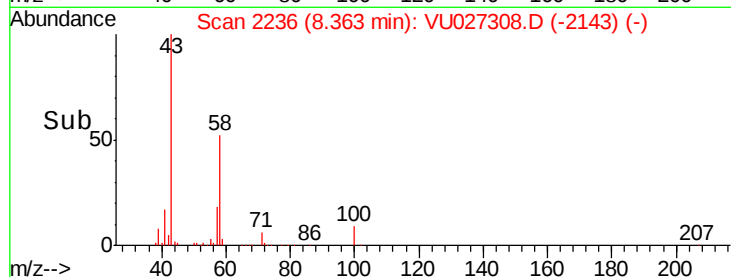
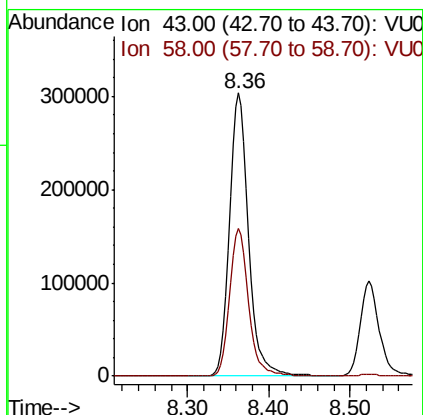
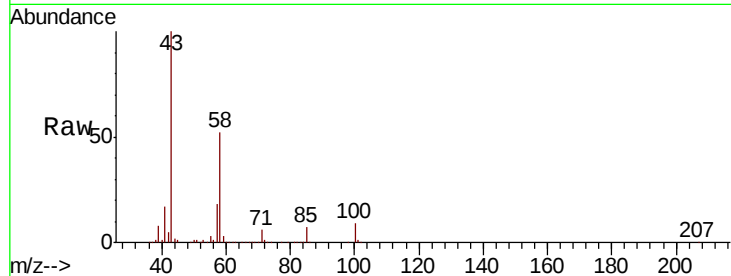




#59
2-Hexanone
Concen: 256.748 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

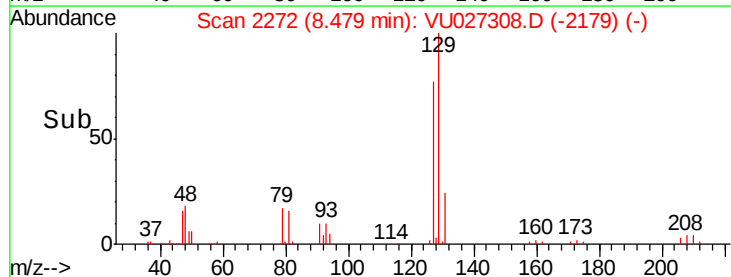
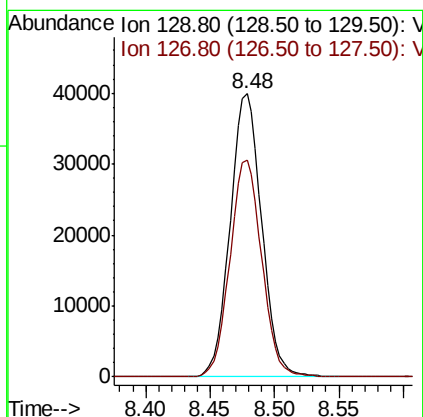
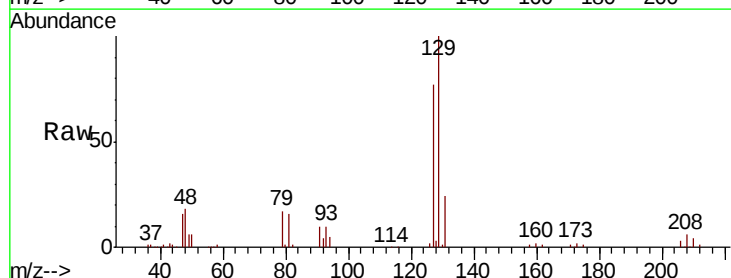
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

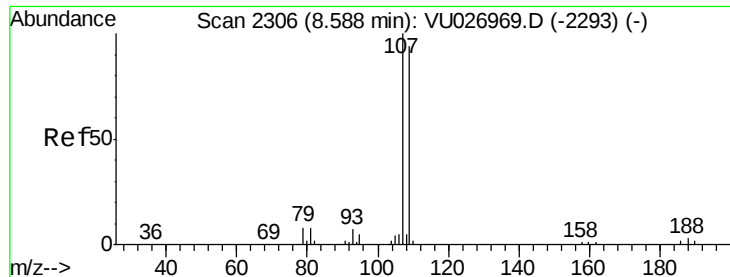
Tgt Ion: 43 Resp: 501620
Ion Ratio Lower Upper
43 100
58 52.1 26.1 78.2



#60
Dibromochloromethane
Concen: 49.823 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 129 Resp: 67828
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5

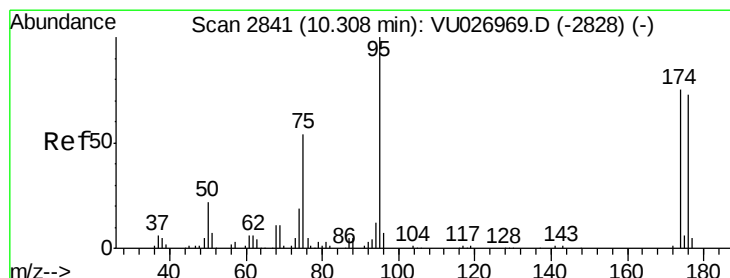
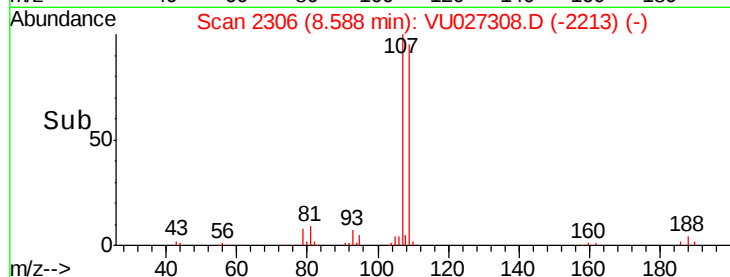
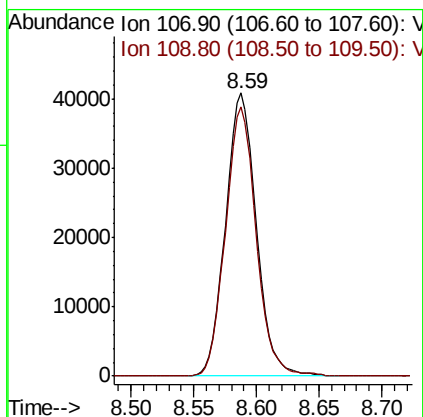
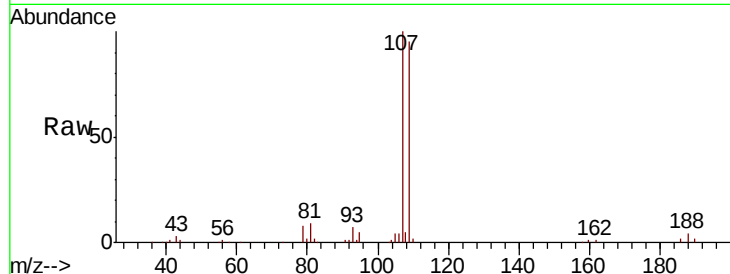




#61
 1,2-Dibromoethane
 Concen: 48.247 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

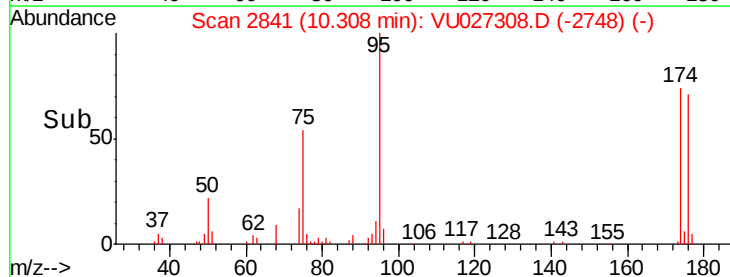
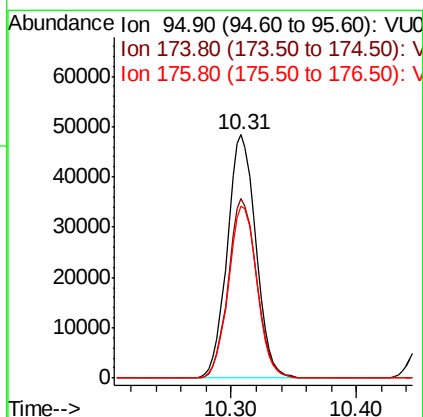
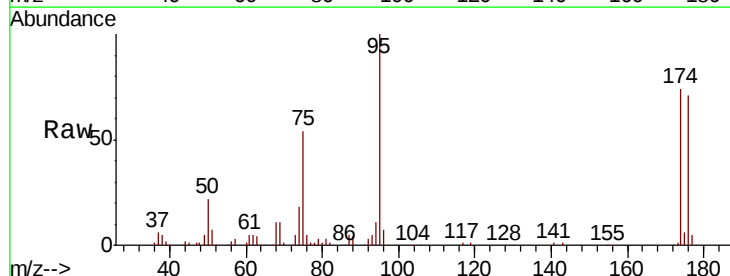
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

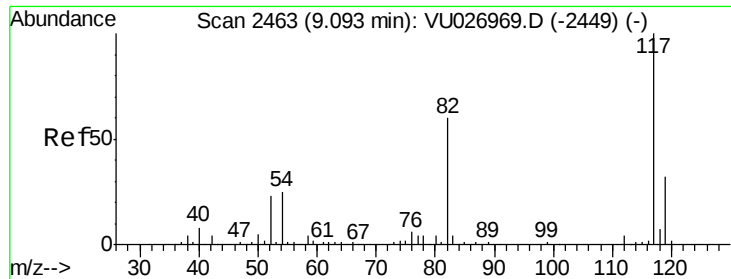
Tgt Ion: 107 Resp: 69671
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.973 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 95 Resp: 76588
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 150.2
 176 70.4 0.0 145.2

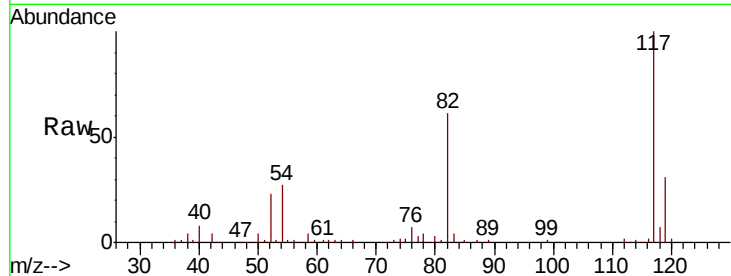




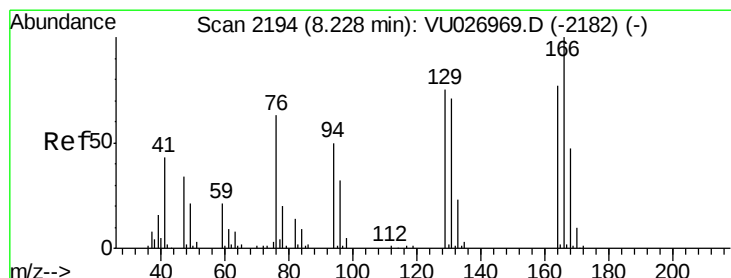
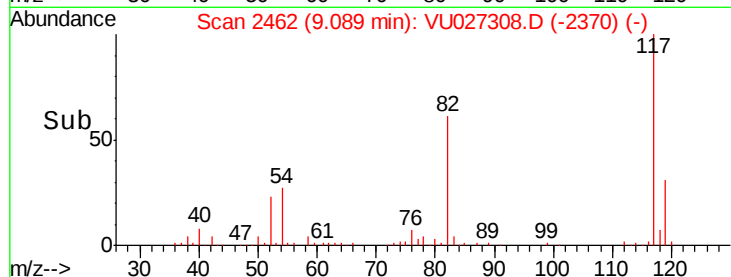
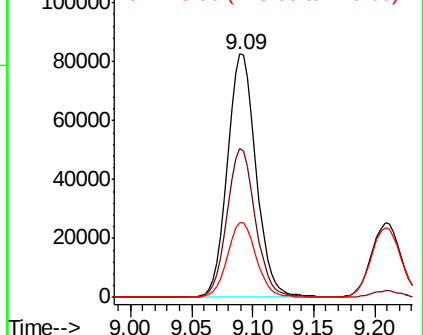
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion:117 Resp: 136189
Ion Ratio Lower Upper
117 100
82 61.1 48.0 72.0
119 30.7 25.8 38.8



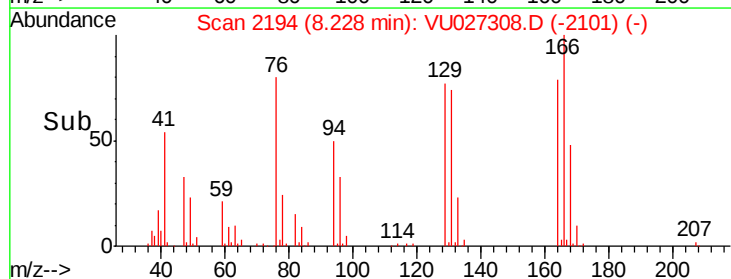
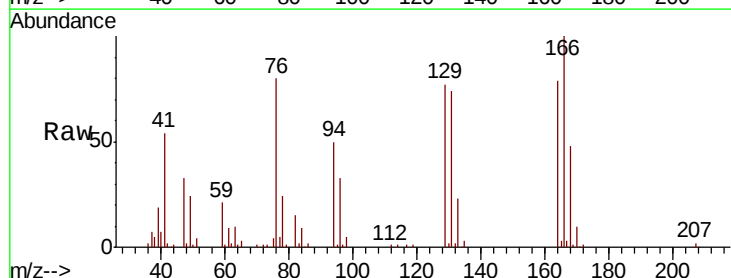
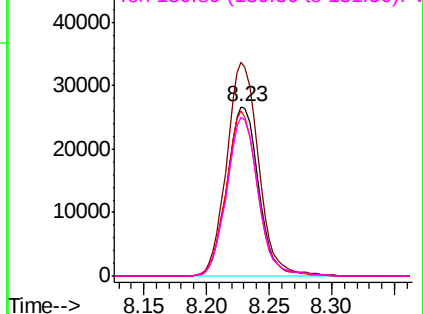
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027308.D (-2370) (-)
Ion 118.90 (118.60 to 119.60): V

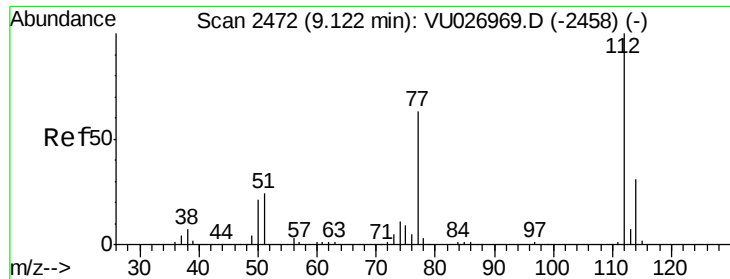


#64
Tetrachloroethene
Concen: 44.639 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion:164 Resp: 46846
Ion Ratio Lower Upper
164 100
166 126.3 104.4 156.6
129 97.5 78.7 118.1
131 94.0 73.9 110.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

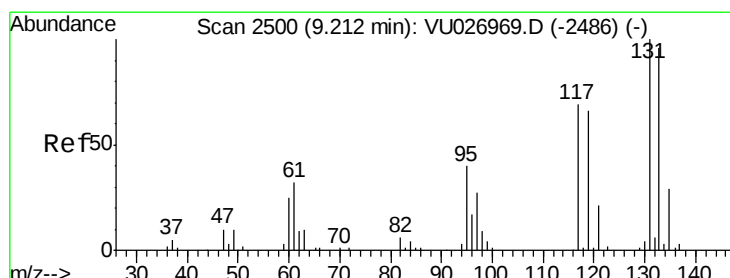
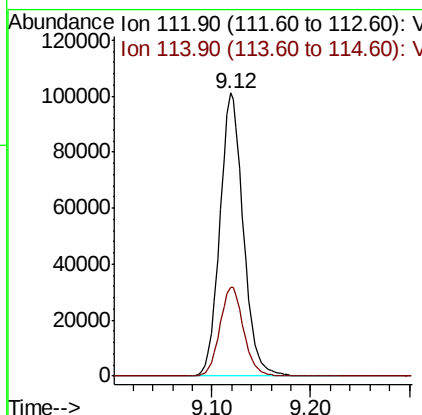
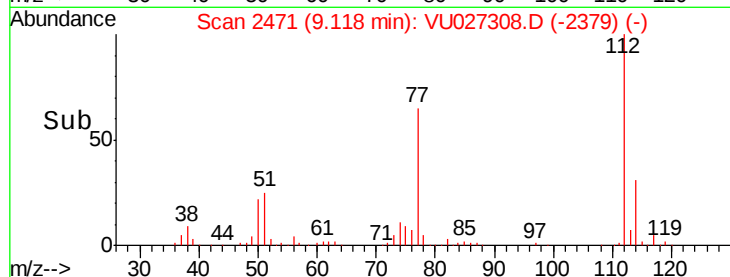
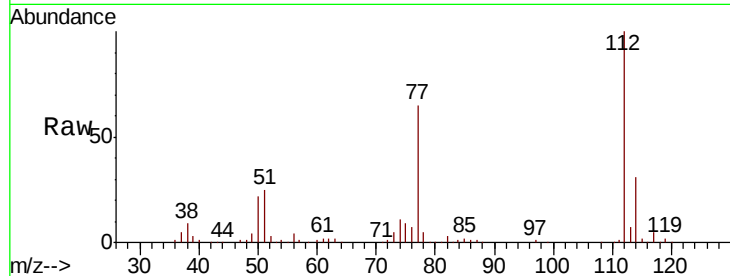




#65
Chlorobenzene
Concen: 46.720 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

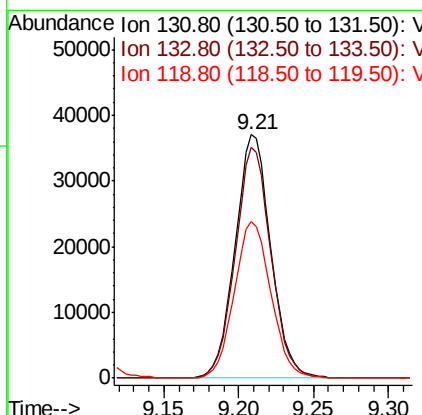
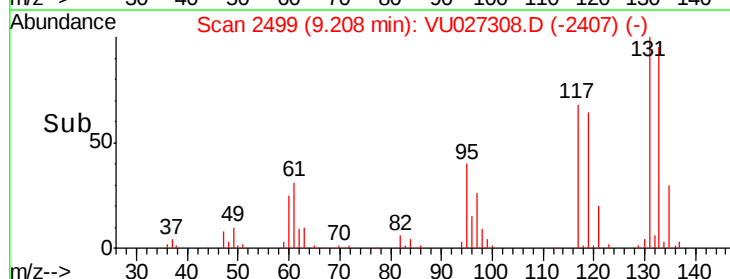
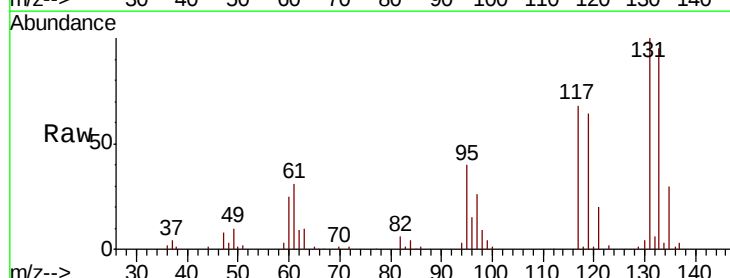
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

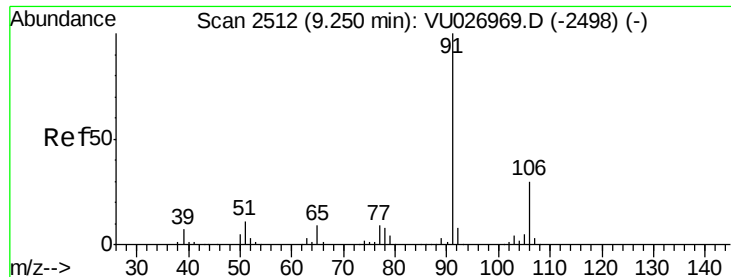
Tgt Ion:112 Resp: 168709
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.414 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion:131 Resp: 61460
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 66.0 33.4 100.1

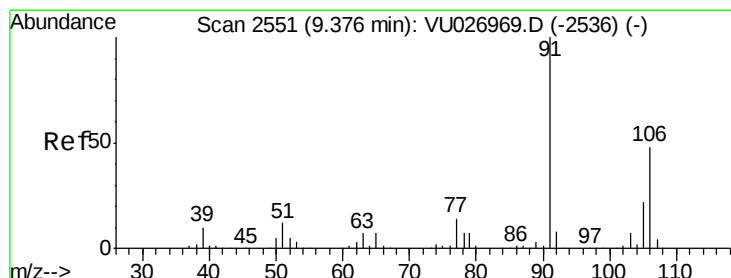
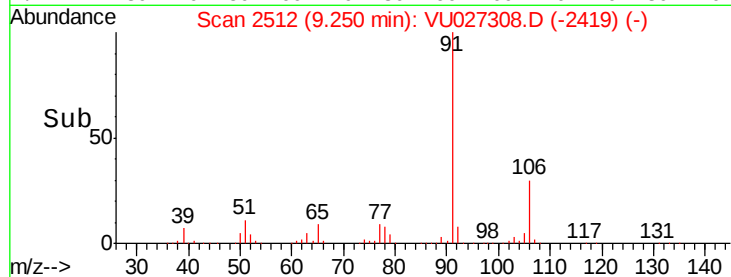
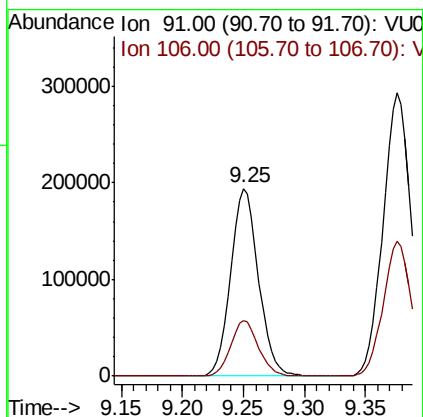
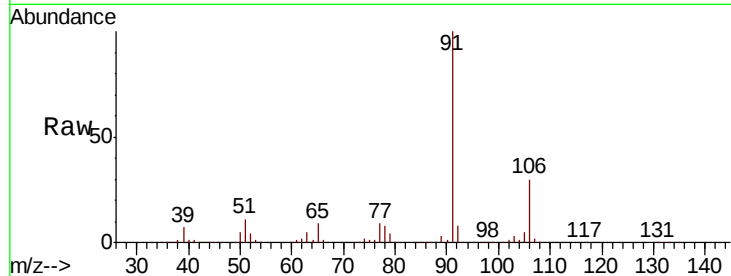




#67
 Ethyl Benzene
 Concen: 51.938 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

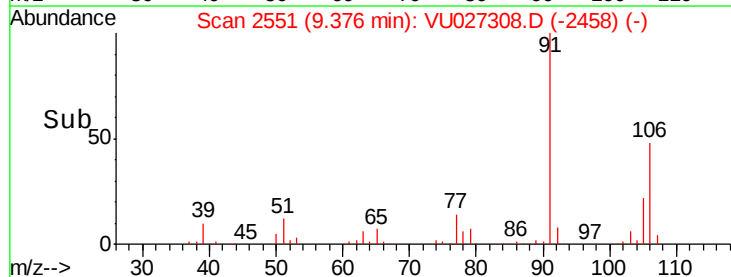
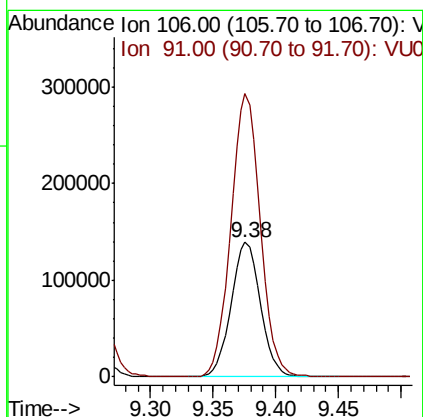
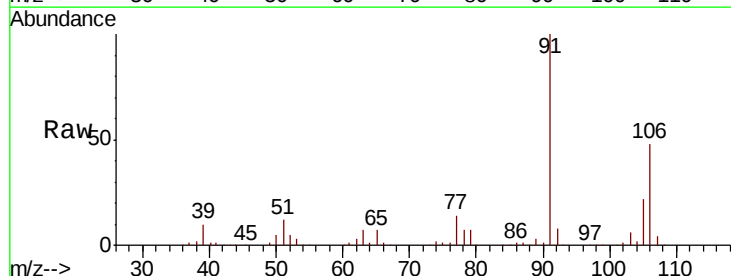
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

Tgt Ion: 91 Resp: 308409
 Ion Ratio Lower Upper
 91 100
 106 29.8 23.8 35.8



#68
 m/p-Xylenes
 Concen: 94.356 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 106 Resp: 226700
 Ion Ratio Lower Upper
 106 100
 91 209.9 166.5 249.7

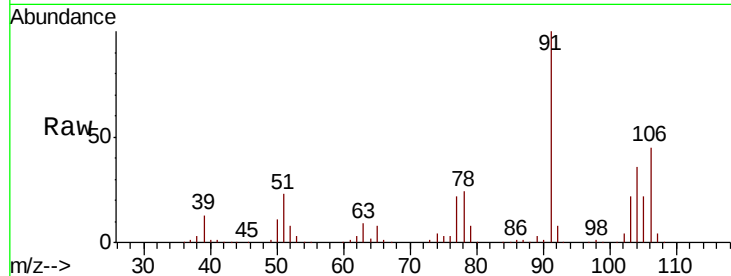




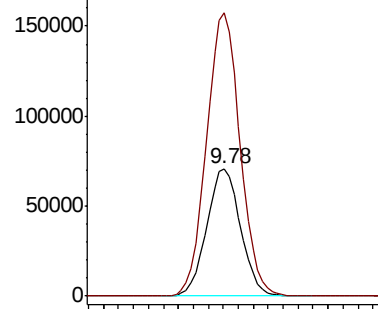
#69
o-Xylene
Concen: 52.899 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

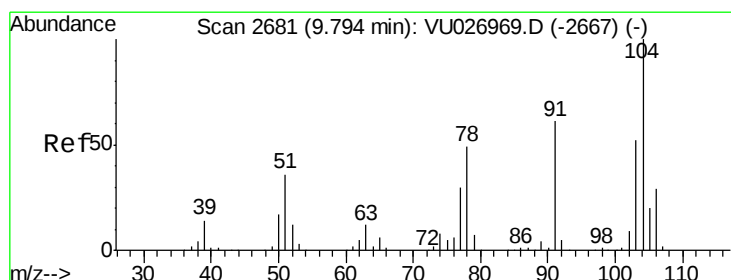
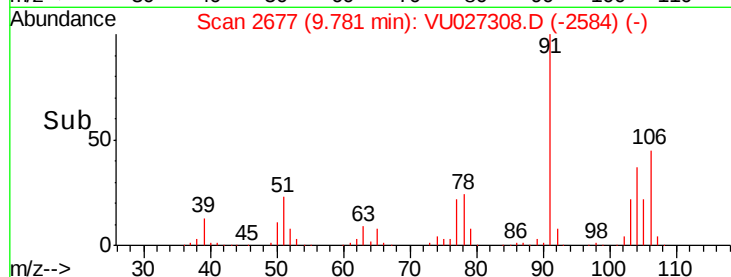
Tgt Ion:106 Resp: 111295
Ion Ratio Lower Upper
106 100
91 220.5 110.2 330.6



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

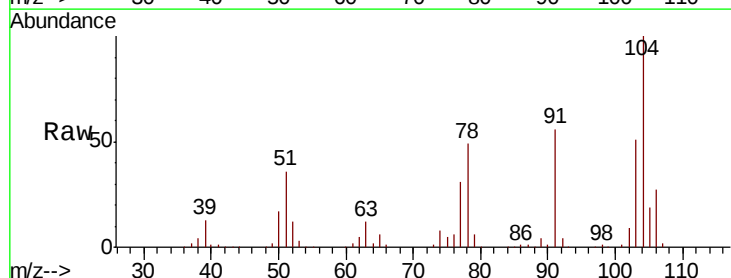


Time-->

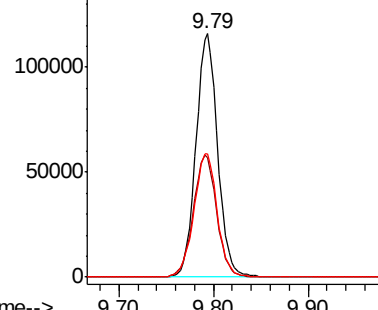


#70
Styrene
Concen: 47.025 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

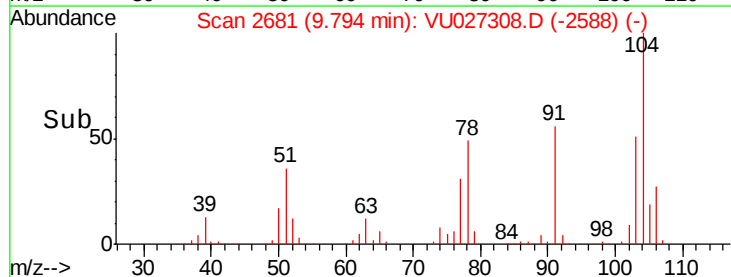
Tgt Ion:104 Resp: 184291
Ion Ratio Lower Upper
104 100
78 54.1 43.0 64.4
103 54.6 44.1 66.1

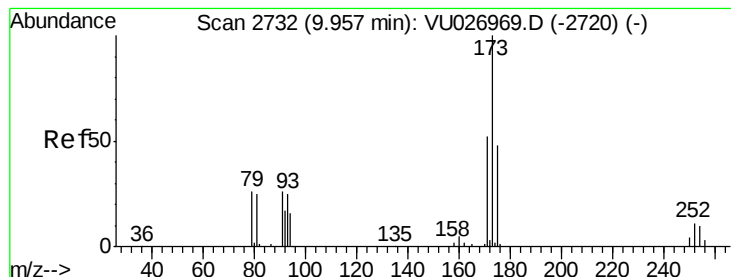


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 50.943 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

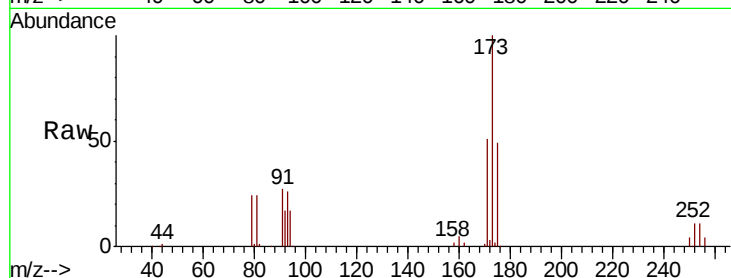
Tgt Ion:173 Resp: 48998

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

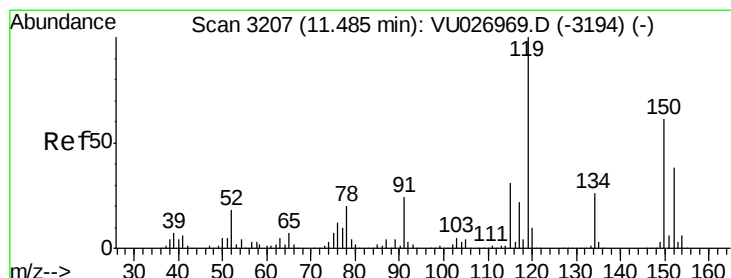
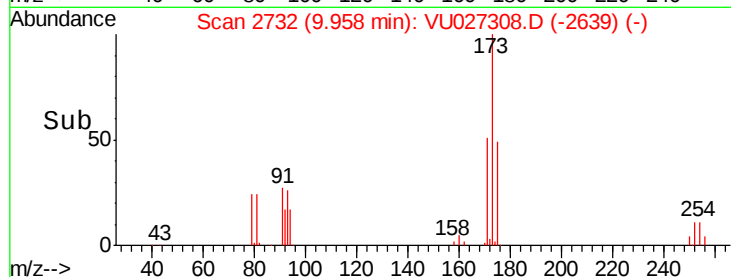
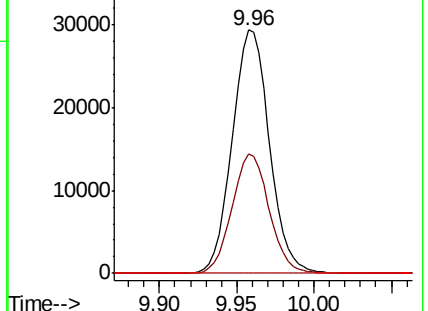
254 0.0 0.0 0.0



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# 3207

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

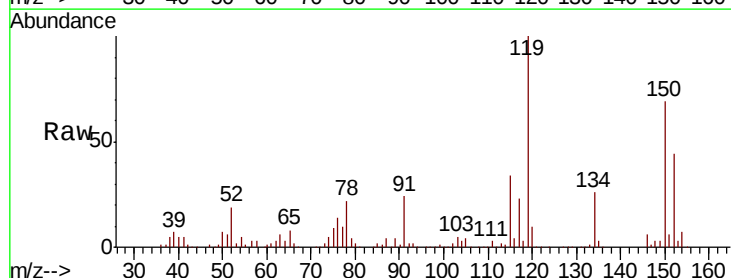
Tgt Ion:152 Resp: 73244

Ion Ratio Lower Upper

152 100

115 86.2 44.9 134.5

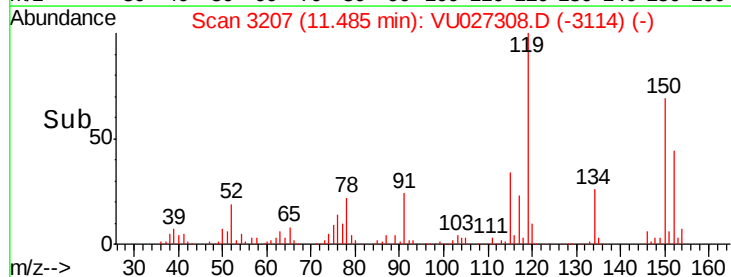
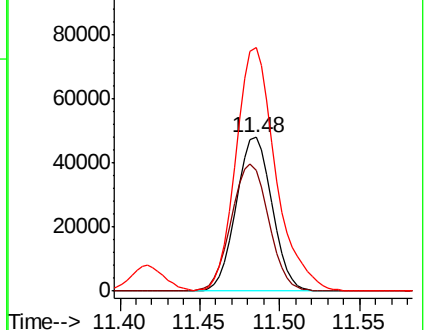
150 174.6 0.0 355.8

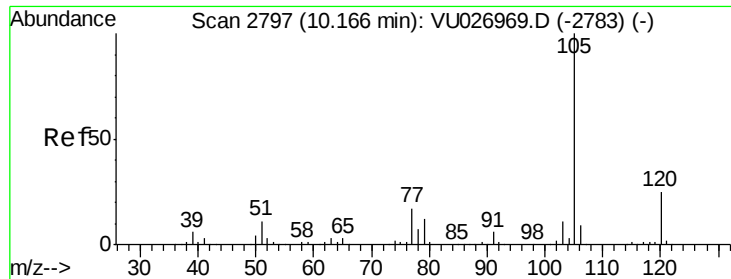


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.653 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

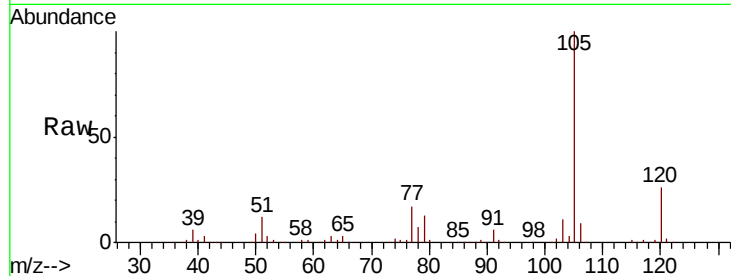
SA-TW502-0913MSD

Tgt Ion: 105 Resp: 293362

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

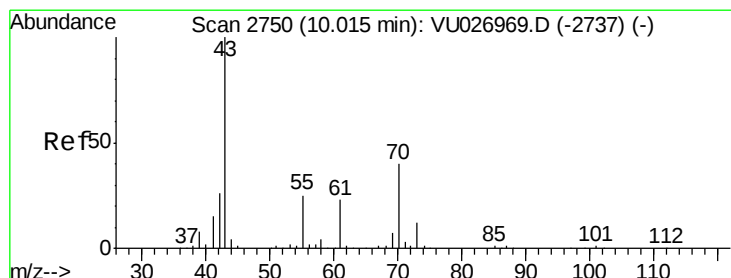
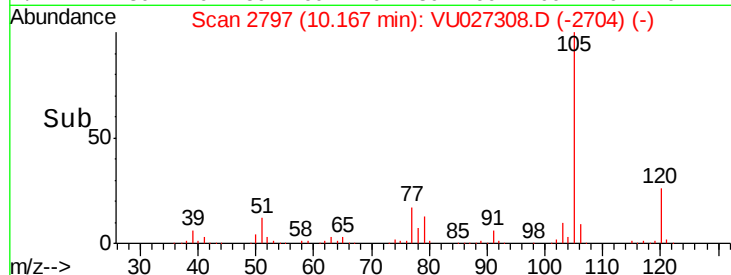
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 49.368 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Tgt Ion: 43 Resp: 159215

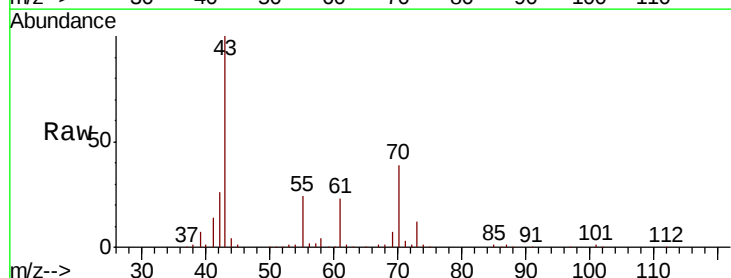
Ion Ratio Lower Upper

43 100

70 38.8 31.8 47.8

55 24.2 19.9 29.9

61 23.2 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

150000

100000

50000

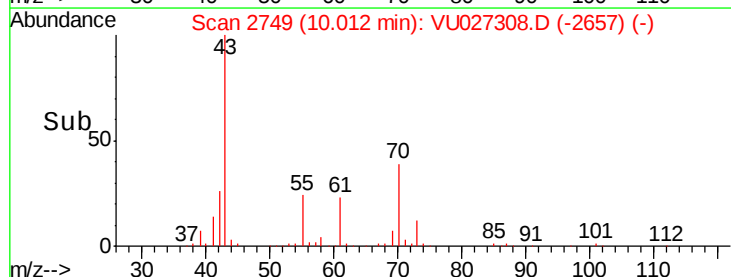
0

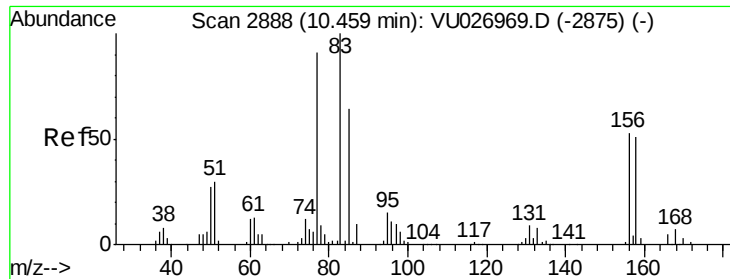
10.00

10.01

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.712 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

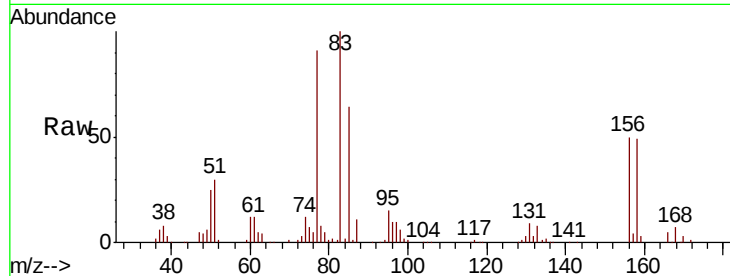
Tgt Ion: 83 Resp: 117100

Ion Ratio Lower Upper

83 100

131 8.6 4.3 12.8

85 64.4 31.9 95.7

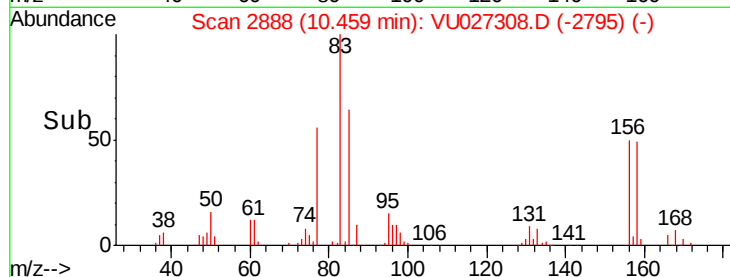


Abundance Ion 82.90 (82.60 to 83.60): VU027308.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027308.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027308.D (-2795) (-)

Time-->



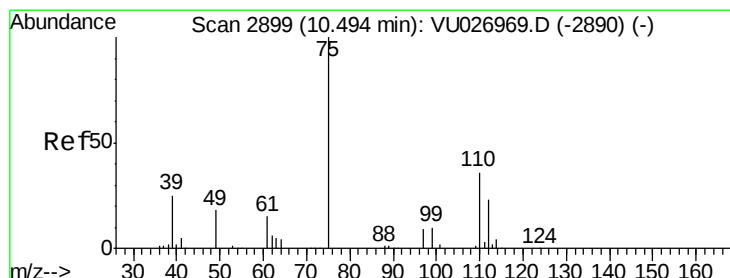
Abundance

Ion 82.90 (82.60 to 83.60): VU027308.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027308.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027308.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 61.032 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027308.D

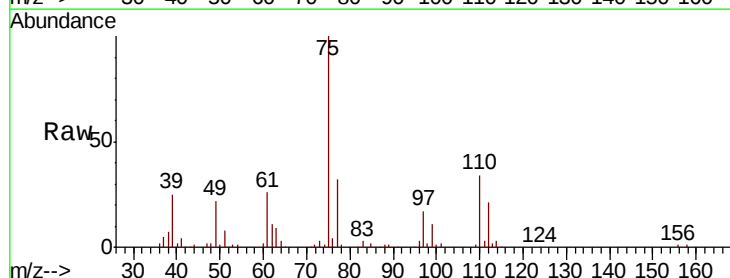
Acq: 29 Sep 2018 06:11

Tgt Ion: 75 Resp: 135804

Ion Ratio Lower Upper

75 100

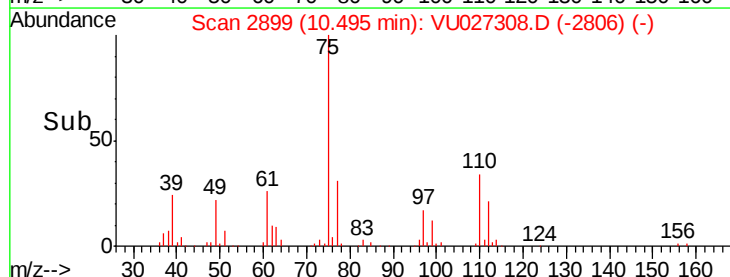
77 31.3 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU027308.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027308.D (-2806) (-)

Time-->

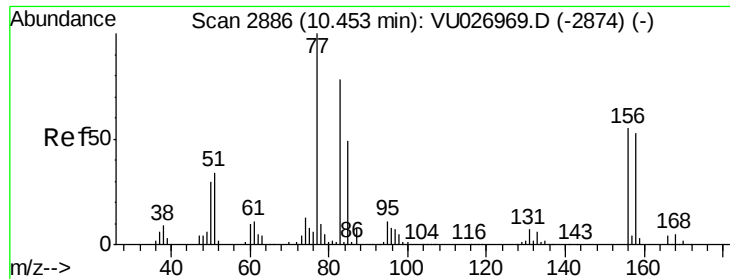


Abundance

Ion 74.90 (74.60 to 75.60): VU027308.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027308.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 50.436 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MSD

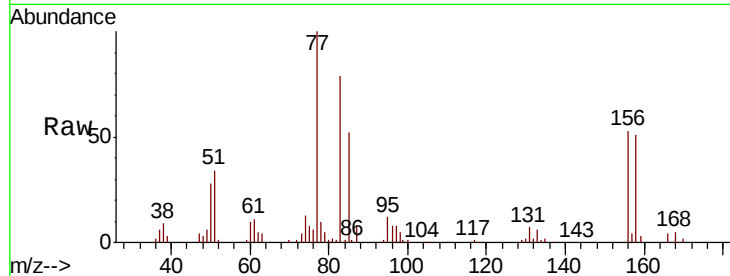
Tgt Ion:156 Resp: 68670

Ion Ratio Lower Upper

156 100

77 188.5 92.3 276.9

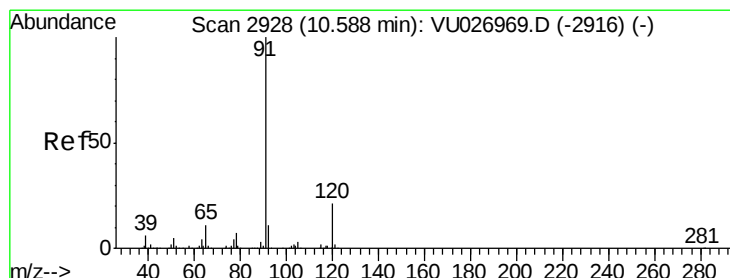
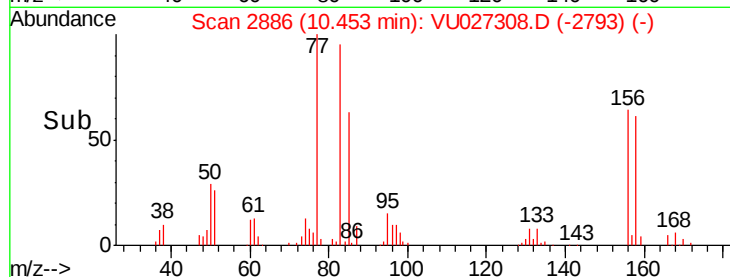
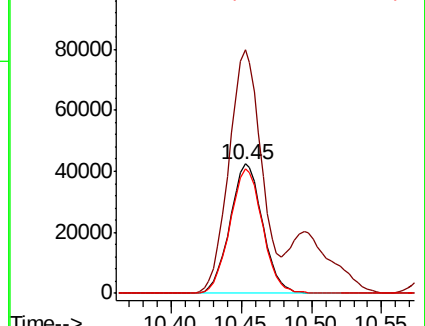
158 96.2 48.1 144.3



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: 53.130 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027308.D

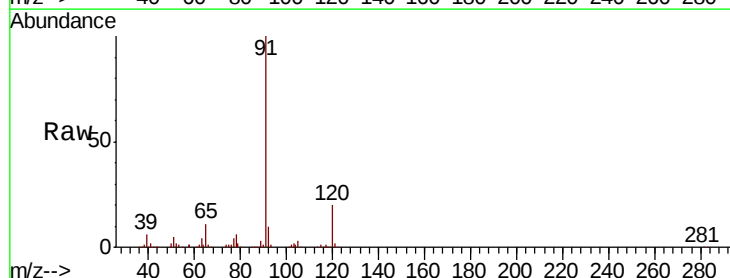
Acq: 29 Sep 2018 06:11

Tgt Ion: 91 Resp: 350257

Ion Ratio Lower Upper

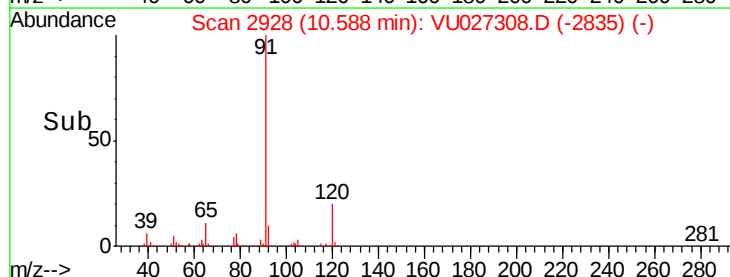
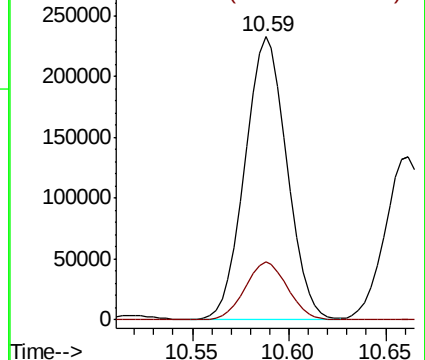
91 100

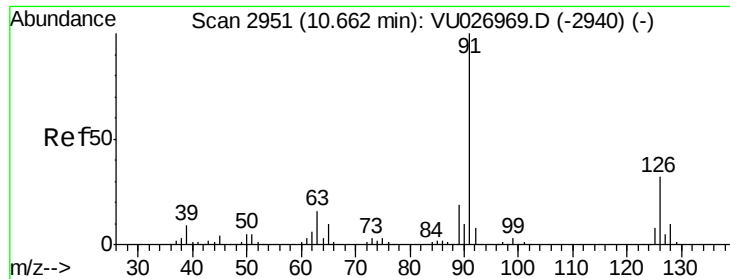
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.555 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027308.D

Acq: 29 Sep 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

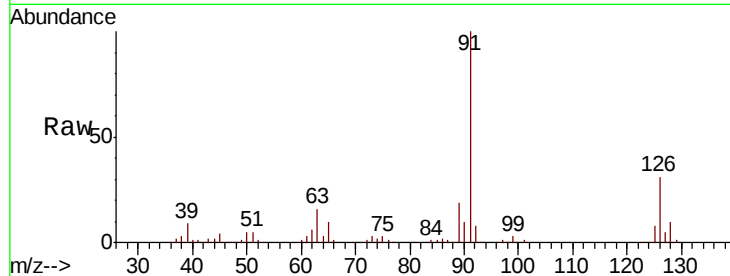
SA-TW502-0913MSD

Tgt Ion: 91 Resp: 209343

Ion Ratio Lower Upper

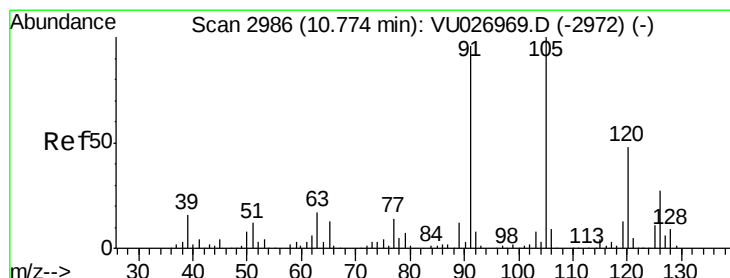
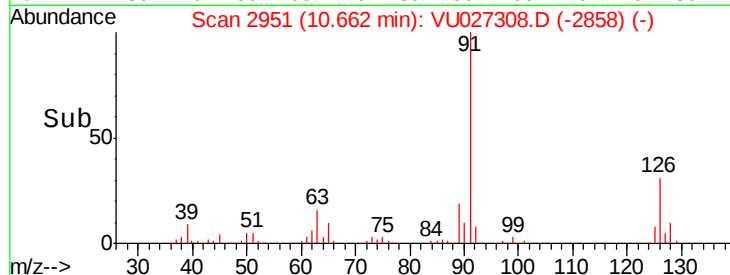
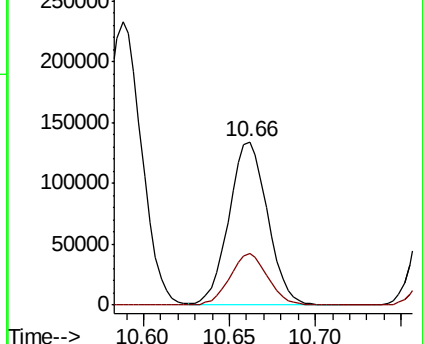
91 100

126 31.1 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.573 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027308.D

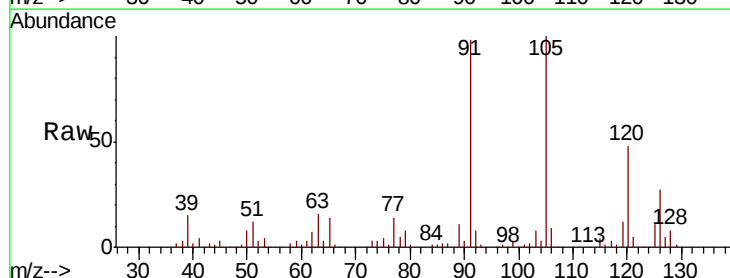
Acq: 29 Sep 2018 06:11

Tgt Ion: 105 Resp: 241794

Ion Ratio Lower Upper

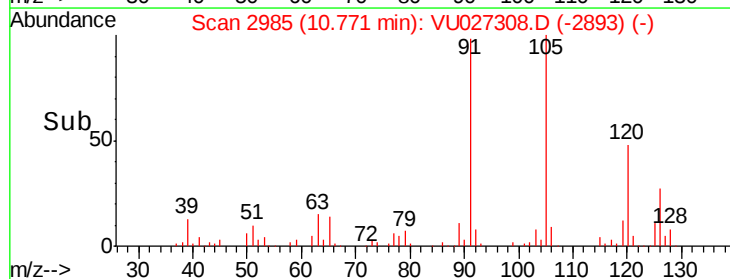
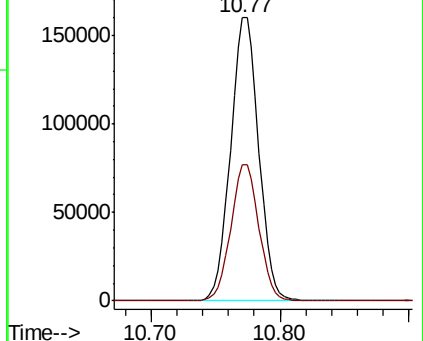
105 100

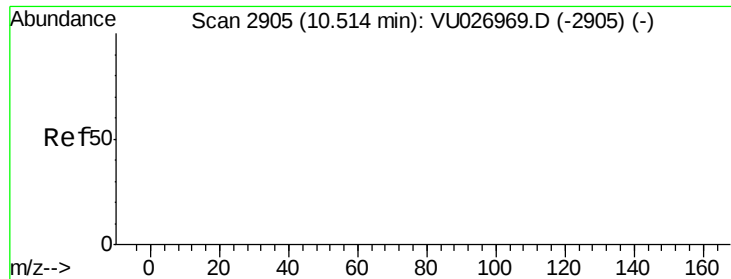
120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

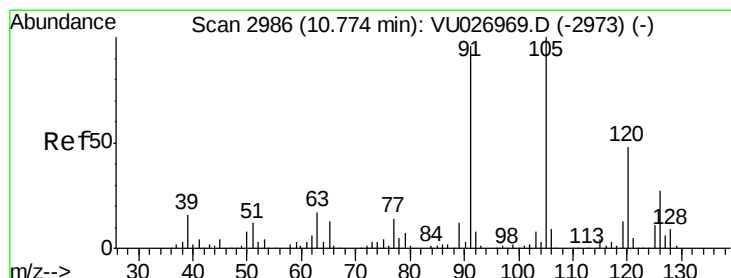
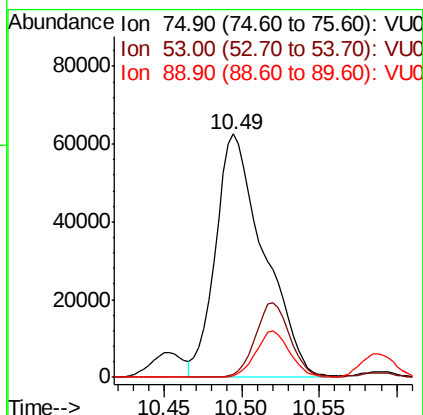
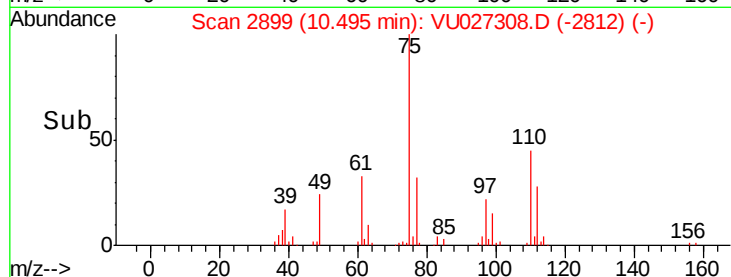
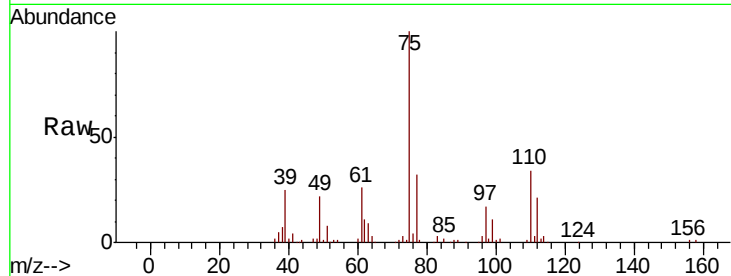




#81
trans-1,4-Dichloro-2-butene
Concen: 195.313 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

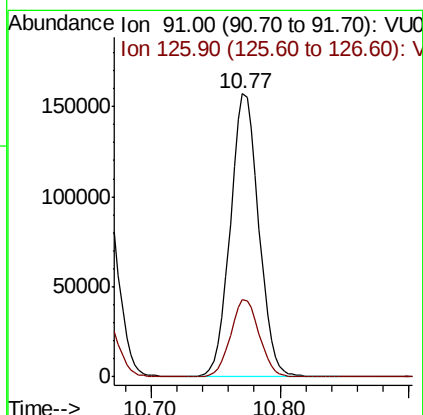
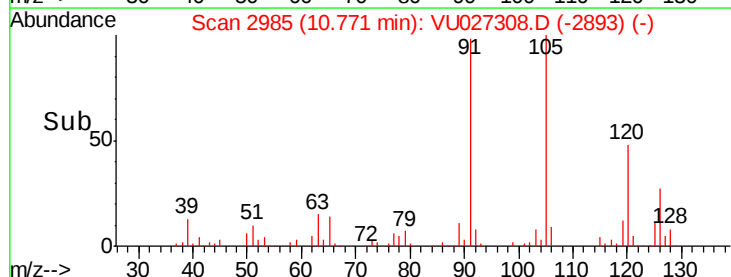
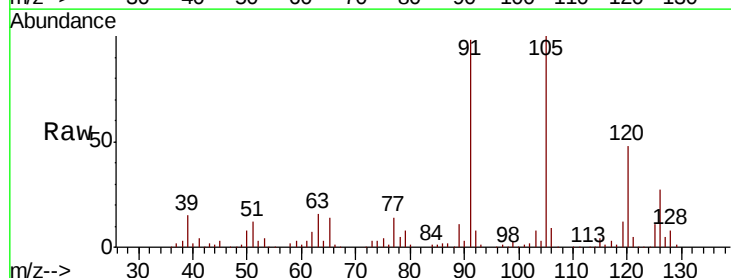
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion: 75 Resp: 135804
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.664 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 91 Resp: 239884
Ion Ratio Lower Upper
91 100
126 27.5 14.1 42.2

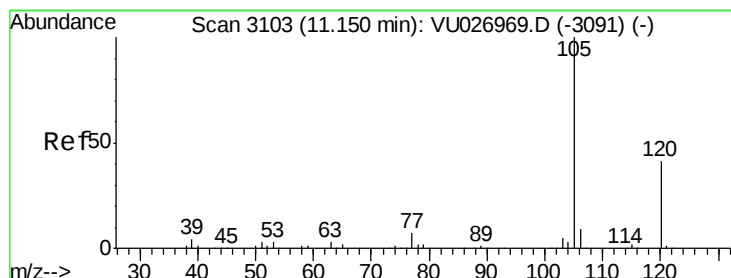
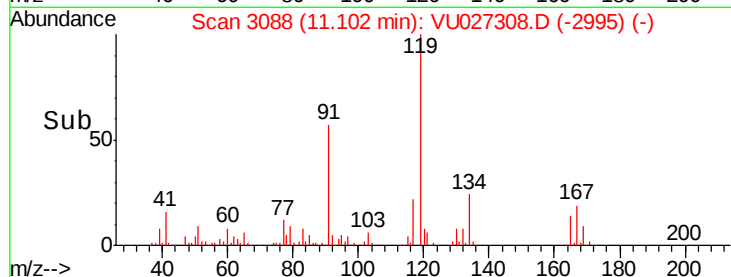
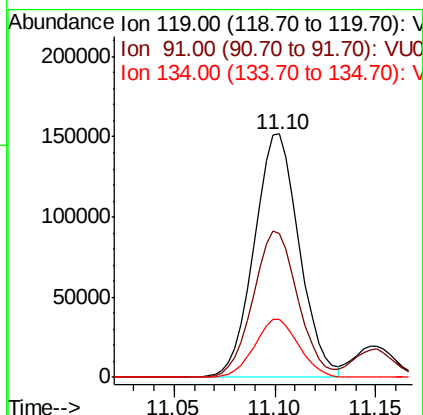
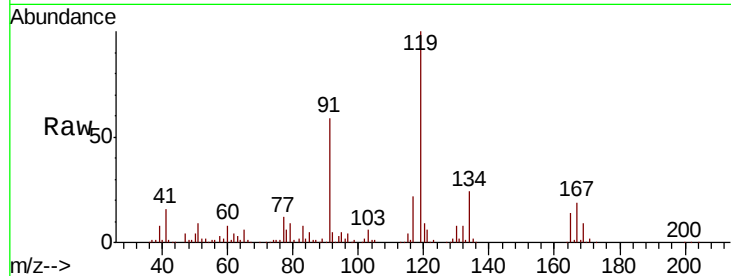




#83
 tert-Butylbenzene
 Concen: 52.188 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

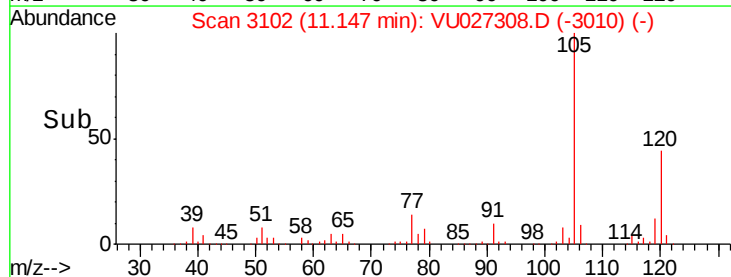
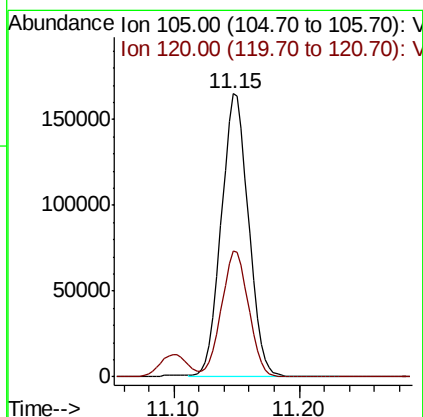
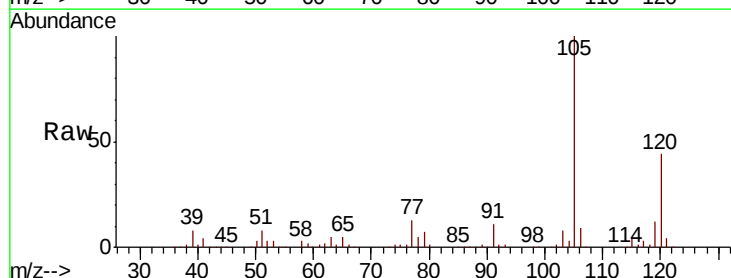
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

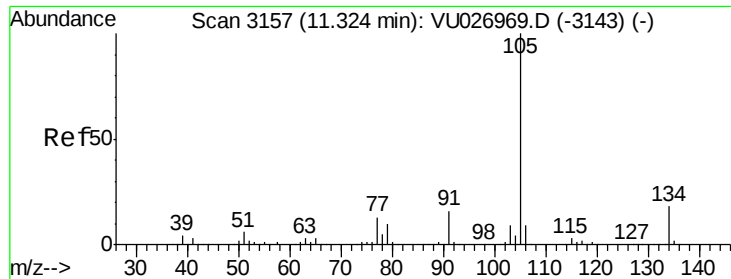
Tgt Ion:119 Resp: 237303
 Ion Ratio Lower Upper
 119 100
 91 59.6 29.8 89.4
 134 23.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.208 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion:105 Resp: 249044
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2

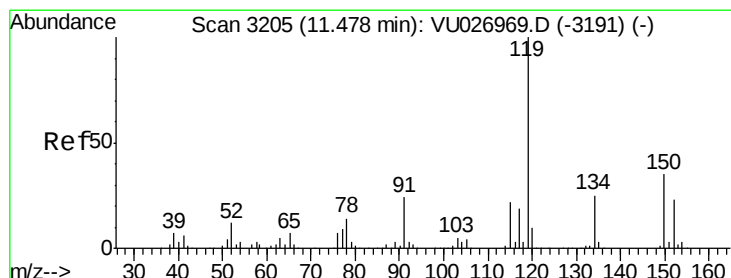
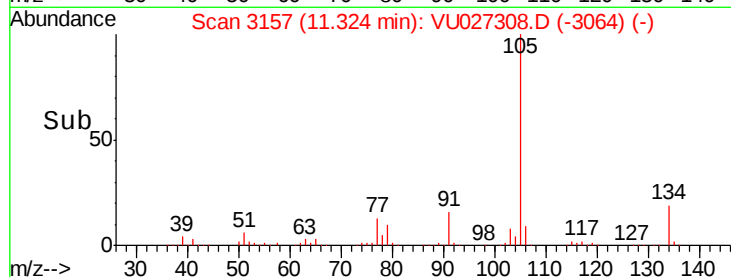
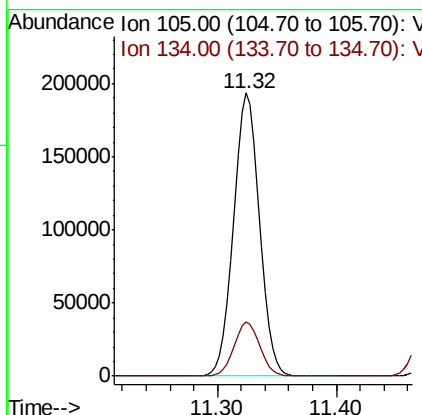
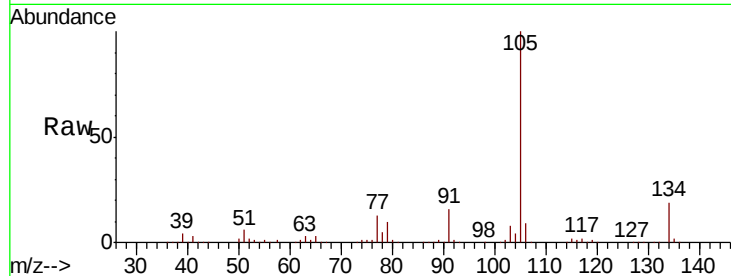




#85
 sec-Butylbenzene
 Concen: 52.486 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

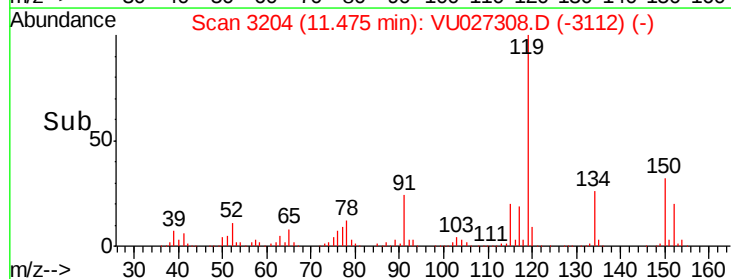
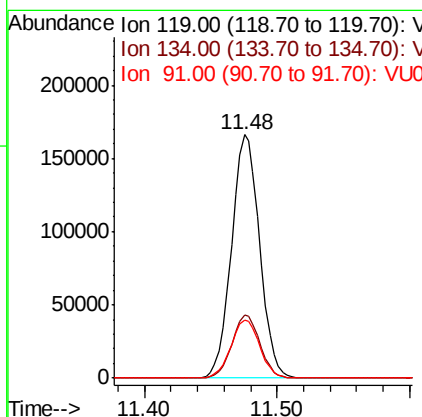
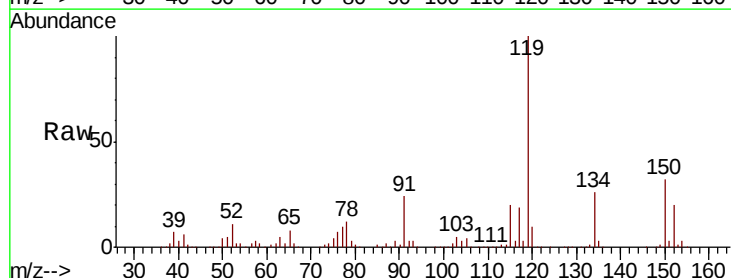
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

Tgt Ion:105 Resp: 291329
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 46.969 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion:119 Resp: 244328
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 24.4 12.3 36.8

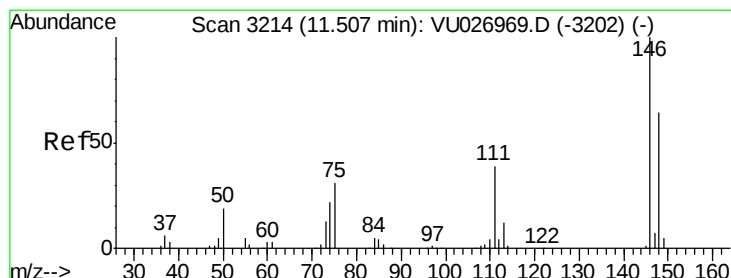
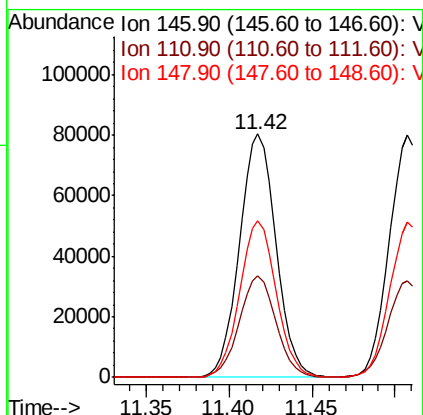
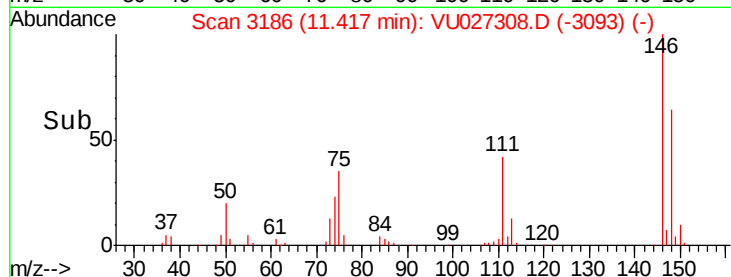
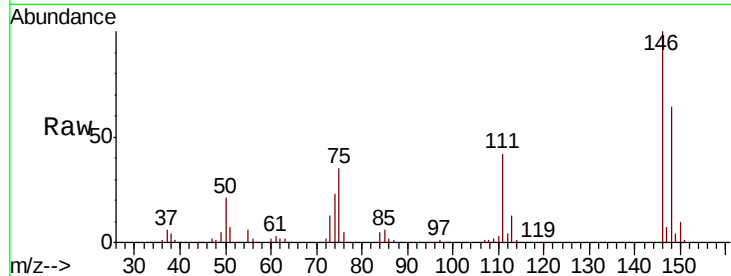




#87
 1,3-Dichlorobenzene
 Concen: 48.618 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

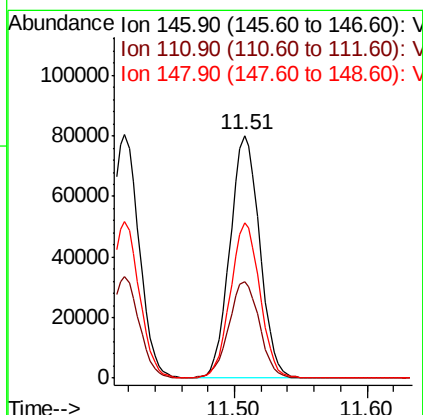
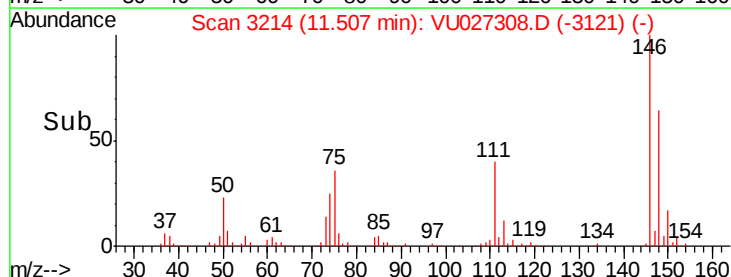
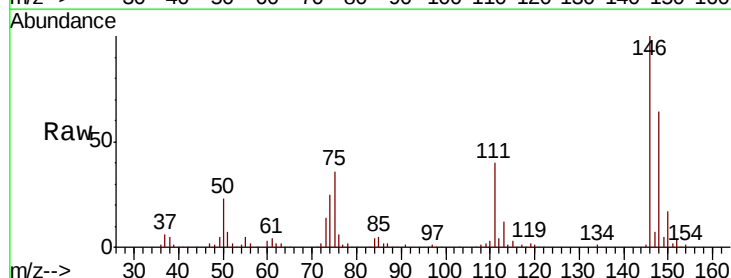
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

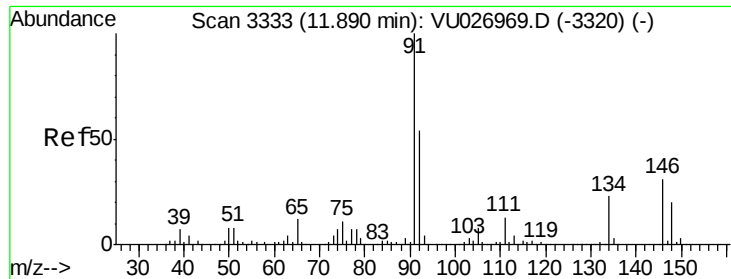
Tgt Ion:146 Resp: 123180
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.2
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 45.257 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion:146 Resp: 124971
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.9
 148 63.6 31.9 95.9

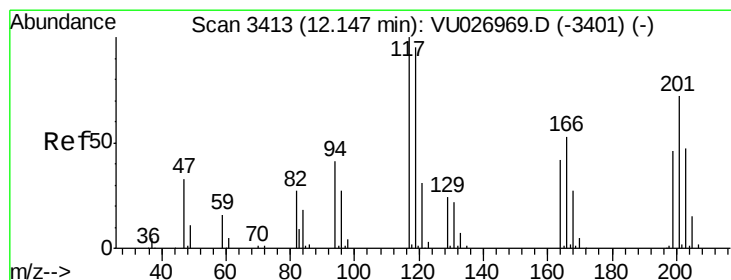
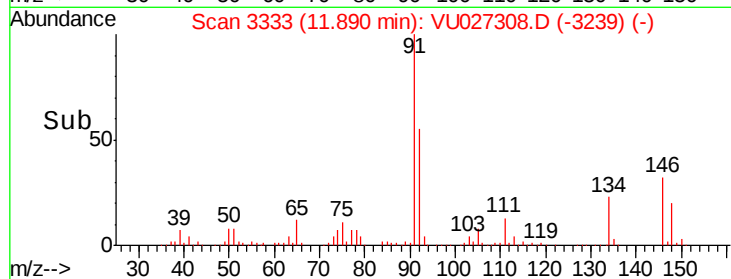
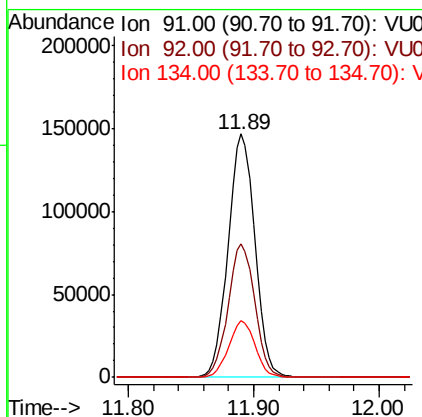
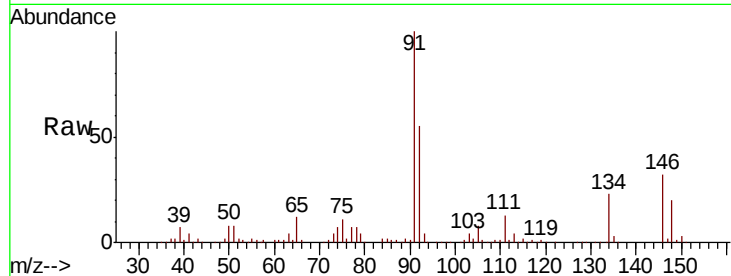




#89
n-Butylbenzene
Concen: 43.464 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

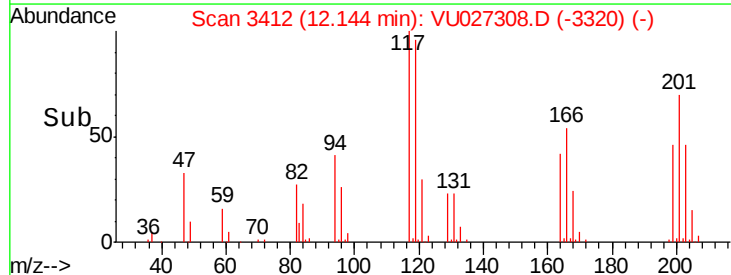
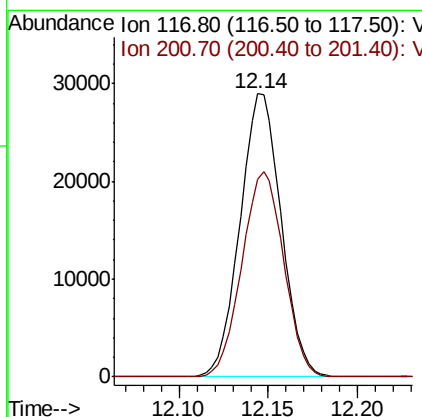
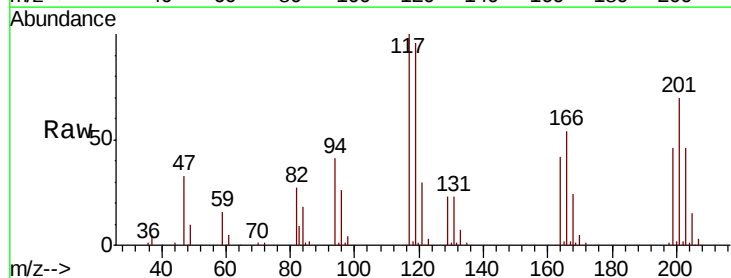
Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

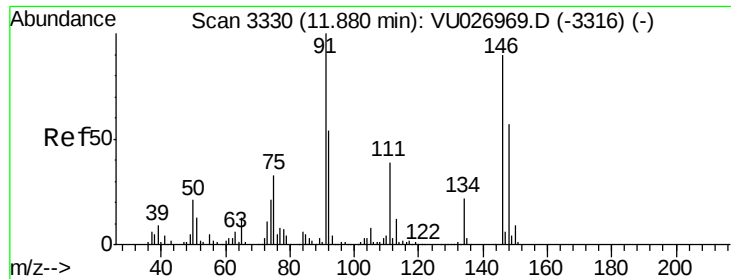
Tgt Ion: 91 Resp: 217785
Ion Ratio Lower Upper
91 100
92 54.3 27.1 81.2
134 22.8 11.7 35.0



#90
Hexachloroethane
Concen: 46.351 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion: 117 Resp: 46785
Ion Ratio Lower Upper
117 100
201 73.7 36.8 110.3

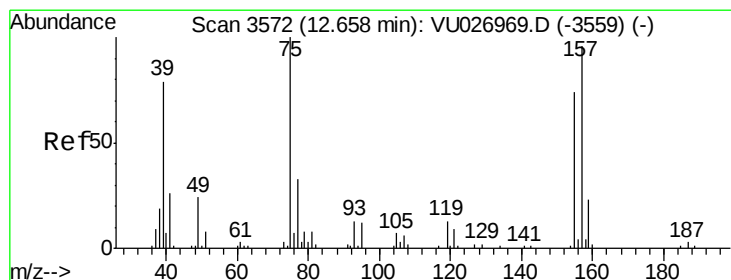
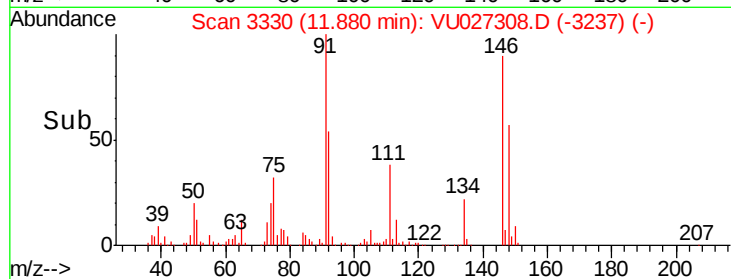
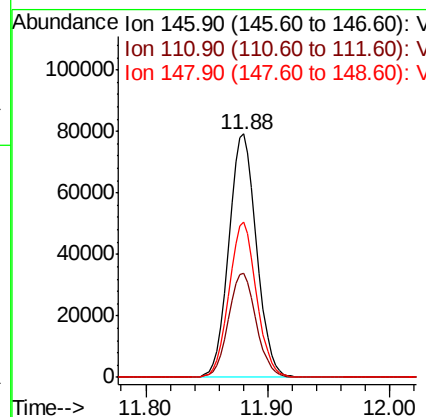
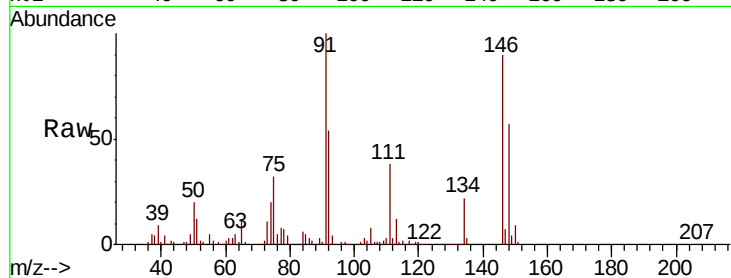




#91
 1,2-Dichlorobenzene
 Concen: 46.945 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

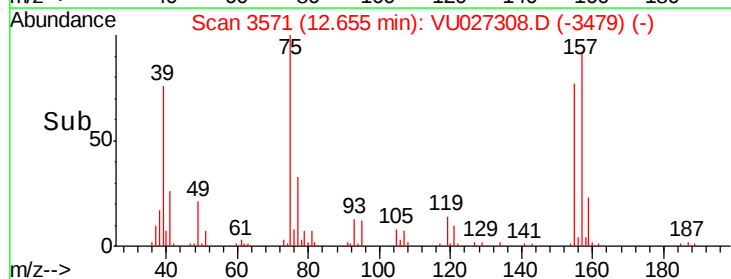
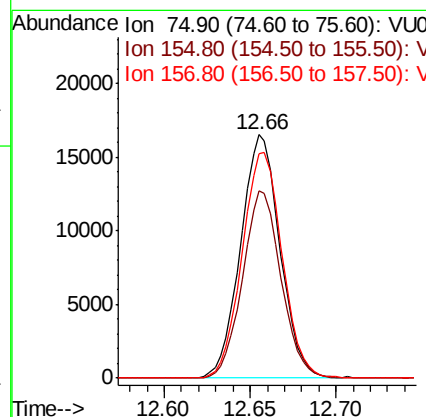
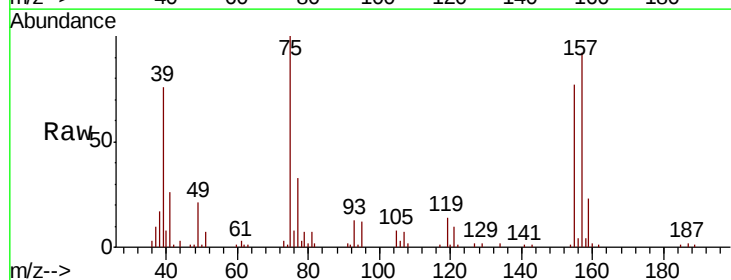
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

Tgt Ion: 146 Resp: 126345
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.8 65.3
 148 63.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.129 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion: 75 Resp: 26197
 Ion Ratio Lower Upper
 75 100
 155 75.0 36.6 109.8
 157 94.2 47.4 142.2

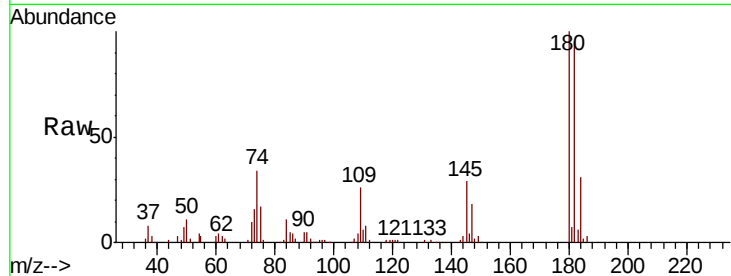




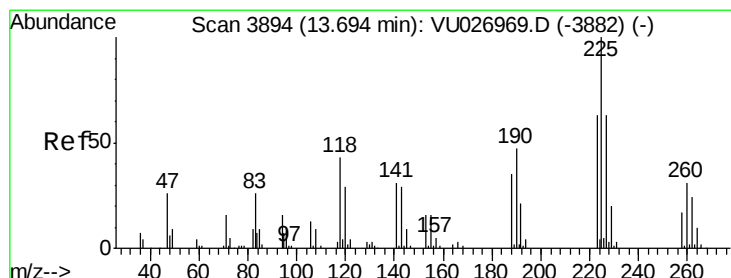
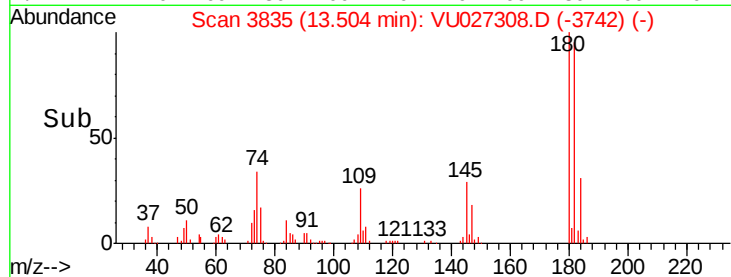
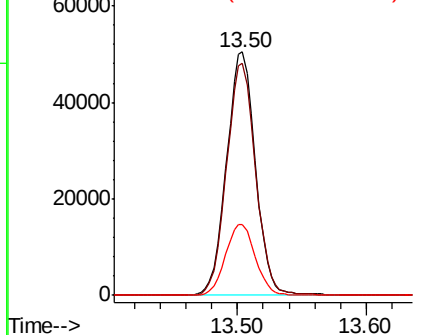
#93
 1,2,4-Trichlorobenzene
 Concen: 50.645 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MSD

Tgt Ion:180 Resp: 78547
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.4 142.2
 145 30.0 14.9 44.5

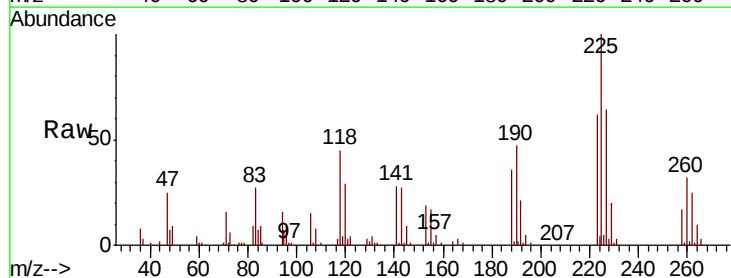


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

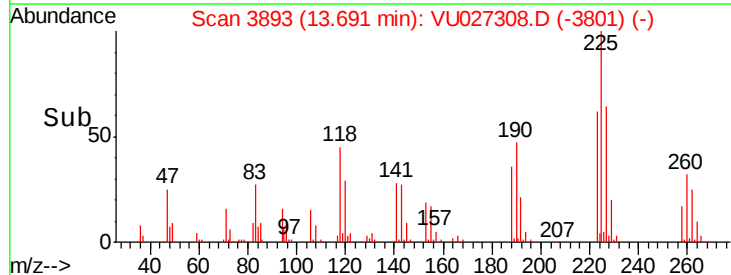
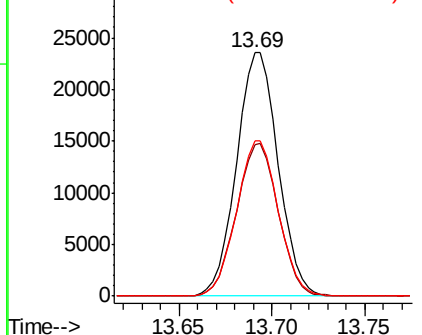


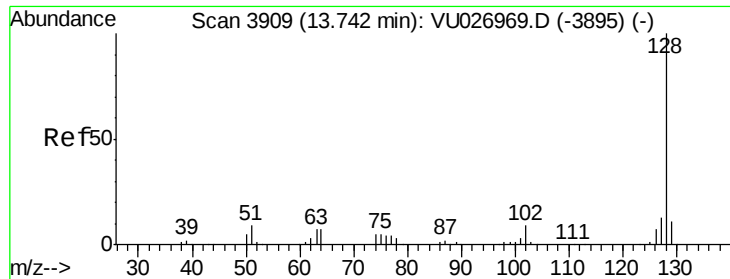
#94
 Hexachlorobutadiene
 Concen: 44.656 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027308.D
 Acq: 29 Sep 2018 06:11

Tgt Ion:225 Resp: 36646
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.9 95.7
 227 63.8 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

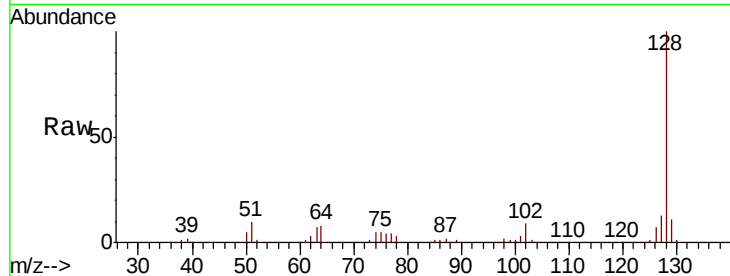




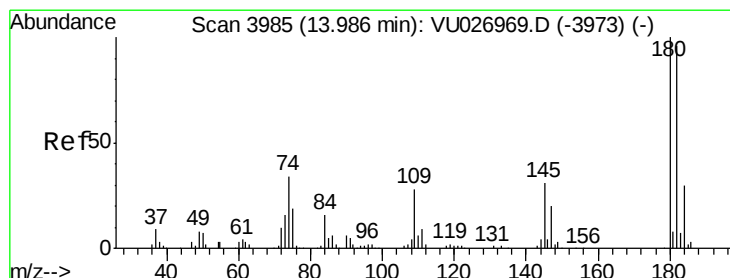
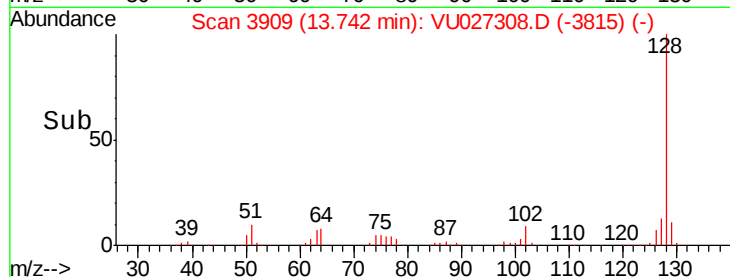
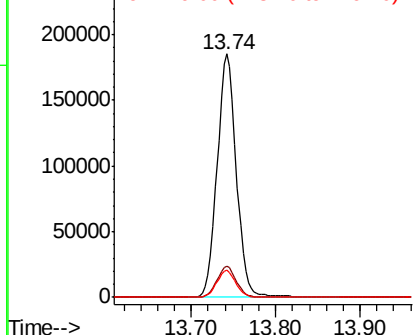
#95
Naphthalene
Concen: 48.503 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MSD

Tgt Ion:128 Resp: 293800
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.6 12.8

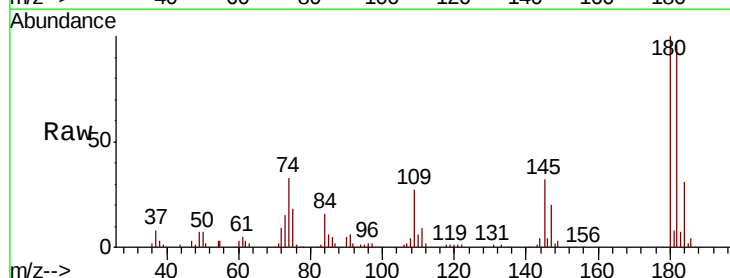


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.652 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027308.D
Acq: 29 Sep 2018 06:11

Tgt Ion:180 Resp: 84245
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.5
145 31.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

