

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027286.D
 Acq On : 28 Sep 2018 21:41
 Operator : MD/SY
 Sample : VU0929WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Quant Time: Sep 29 00:10:16 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	4.98	168	98593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	86328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86593	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
35) Dibromofluoromethane	4.88	113	65135	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	
50) Toluene-d8	7.57	98	239128	43.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.38%	
62) 4-Bromofluorobenzene	10.31	95	88714	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	27442	21.318	ug/l	97
3) Chloromethane	1.33	50	39391	17.749	ug/l	99
4) Vinyl Chloride	1.40	62	42167	20.354	ug/l	100
5) Bromomethane	1.62	94	17945	15.211	ug/l	98
6) Chloroethane	1.70	64	25861	19.537	ug/l	99
7) Trichlorofluoromethane	1.89	101	46804	19.892	ug/l	99
8) Diethyl Ether	2.10	74	23650	20.882	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28634	19.792	ug/l	97
10) Methyl Iodide	2.41	142	8781	4.894	ug/l	98
11) Tert butyl alcohol	2.83	59	43062	94.678	ug/l	99
12) 1,1-Dichloroethene	2.28	96	26983	19.815	ug/l	99
13) Acrolein	2.20	56	11158	45.509	ug/l	96
14) Allyl chloride	2.59	41	61241	22.174	ug/l	94
15) Acrylonitrile	2.94	53	115882	101.089	ug/l	98
16) Acetone	2.32	43	101717	85.589	ug/l	98
17) Carbon Disulfide	2.48	76	90870	20.485	ug/l	98
18) Methyl Acetate	2.62	43	65323	23.128	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	113414	22.665	ug/l	97
20) Methylene Chloride	2.70	84	35428	19.935	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	31211	21.468	ug/l	98
22) Diisopropyl ether	3.58	45	133887	22.664	ug/l	98
23) Vinyl Acetate	3.53	43	560021	111.212	ug/l	99
24) 1,1-Dichloroethane	3.45	63	69650	21.407	ug/l	100
25) 2-Butanone	4.26	43	163899	98.283	ug/l	99
26) 2,2-Dichloropropane	4.23	77	50992	20.096	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	36385	22.161	ug/l	98
28) Bromochloromethane	4.55	49	28690	18.293	ug/l	99
29) Tetrahydrofuran	4.64	42	107804	106.864	ug/l	100
30) Chloroform	4.68	83	62486	20.690	ug/l	99
31) Cyclohexane	5.00	56	66399	22.130	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	51899	21.523	ug/l	97
36) 1,1-Dichloropropene	5.14	75	46493	20.787	ug/l	98
37) Ethyl Acetate	4.38	43	59824	19.758	ug/l	99
38) Carbon Tetrachloride	5.14	117	43893	20.622	ug/l	96

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Quant Time: Sep 29 00:10:16 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)
39) Methylcyclohexane	6.42	83	54390	22.377	ug/l	99
40) Benzene	5.39	78	144136	21.198	ug/l	99
41) Methacrylonitrile	4.55	41	34531	21.959	ug/l	99
42) 1,2-Dichloroethane	5.41	62	52756	20.536	ug/l	99
43) Isopropyl Acetate	5.55	43	93545	21.184	ug/l	99
44) Trichloroethene	6.19	130	31738	21.926	ug/l	99
45) 1,2-Dichloropropane	6.43	63	41226	21.279	ug/l	98
46) Dibromomethane	6.56	93	23991	20.504	ug/l	98
47) Bromodichloromethane	6.76	83	47866	20.231	ug/l	98
48) Methyl methacrylate	6.62	41	47363	20.320	ug/l	96
49) 1,4-Dioxane	6.61	88	16541	345.417	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	318694	107.309	ug/l	99
52) Toluene	7.64	92	86255	22.131	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	55469	21.821	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	60147	21.519	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	34662	20.989	ug/l	99
56) Ethyl methacrylate	8.02	69	57206	21.282	ug/l	98
57) 1,3-Dichloropropane	8.24	76	65482	21.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	127992	82.038	ug/l	99
59) 2-Hexanone	8.36	43	236184	101.596	ug/l	99
60) Dibromochloromethane	8.48	129	34284	21.164	ug/l	99
61) 1,2-Dibromoethane	8.59	107	36585	21.292	ug/l	100
64) Tetrachloroethene	8.23	164	27441	22.093	ug/l	99
65) Chlorobenzene	9.12	112	89451	20.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	31833	21.624	ug/l	99
67) Ethyl Benzene	9.25	91	158767	22.591	ug/l	100
68) m/p-Xylenes	9.38	106	120213	43.102	ug/l	99
69) o-Xylene	9.78	106	58160	23.356	ug/l	98
70) Styrene	9.79	104	92838	21.055	ug/l	99
71) Bromoform	9.96	173	24585	21.596	ug/l #	100
73) Isopropylbenzene	10.17	105	155676	23.706	ug/l	99
74) N-amyl acetate	10.01	43	82860	21.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	59523	19.714	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	66240	25.257	ug/l	84
77) Bromobenzene	10.45	156	36083	22.485	ug/l	99
78) n-propylbenzene	10.59	91	180693	23.255	ug/l	100
79) 2-Chlorotoluene	10.66	91	108437	22.218	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	126341	23.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	66240	80.827	ug/l #	100
82) 4-Chlorotoluene	10.77	91	122972	22.471	ug/l	100
83) tert-Butylbenzene	11.10	119	121614	22.692	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	129659	23.503	ug/l	99
85) sec-Butylbenzene	11.32	105	152187	23.263	ug/l	100
86) p-Isopropyltoluene	11.48	119	128726	21.508	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	64554	21.617	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	65944	20.262	ug/l	99
89) n-Butylbenzene	11.89	91	112151	20.337	ug/l	100
90) Hexachloroethane	12.15	117	22759	19.131	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	65910	20.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12367	20.078	ug/l	97

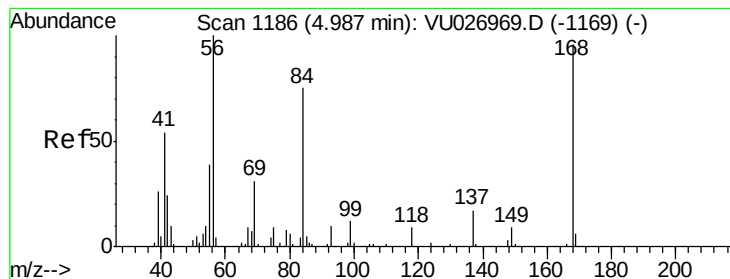
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	40704	22.267	ug/l	98
94) Hexachlorobutadiene	13.69	225	19815	20.487	ug/l	97
95) Naphthalene	13.74	128	140997	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	42417	21.638	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

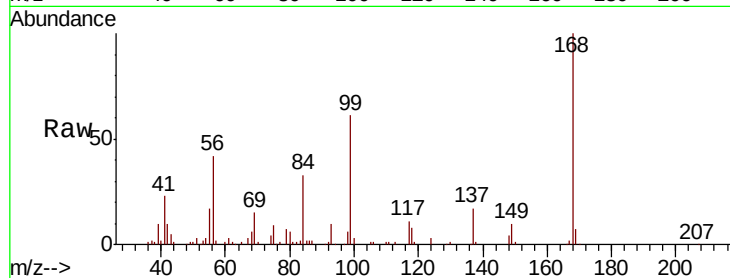
VU0928WBS03

Tgt Ion:168 Resp: 98593

Ion Ratio Lower Upper

168 100

99 60.3 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027286.D (-1093) (-)

4.98

50000

40000

30000

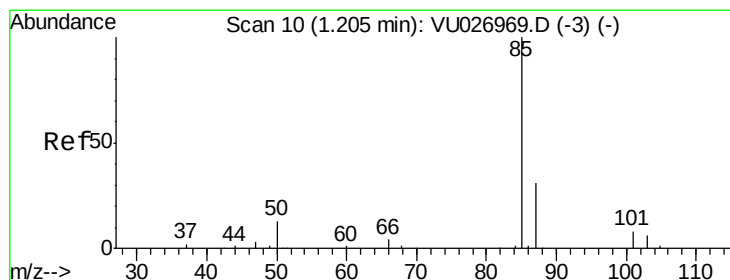
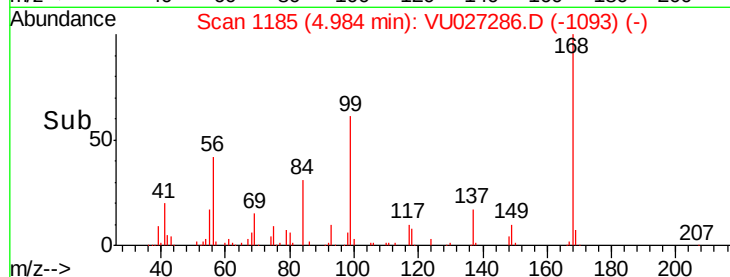
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.318 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027286.D

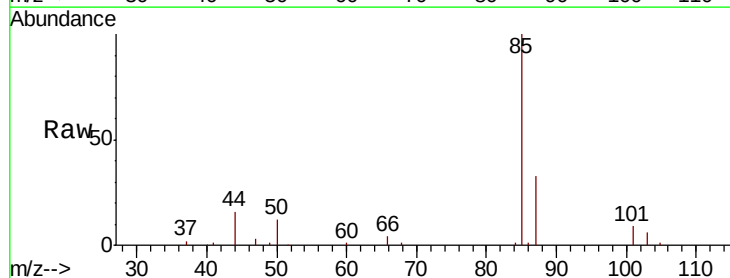
Acq: 28 Sep 2018 21:41

Tgt Ion: 85 Resp: 27442

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.7



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

Ion 86.90 (86.60 to 87.60): VU027286.D (-1) (-)

1.21

30000

25000

20000

15000

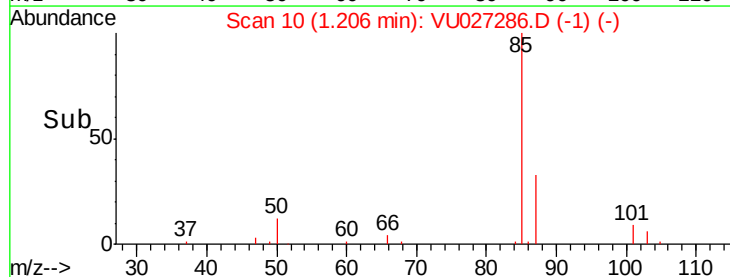
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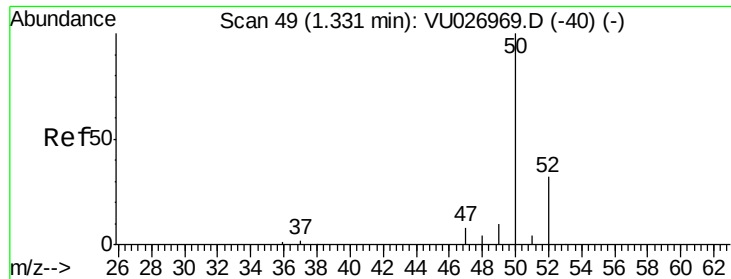
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.749 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

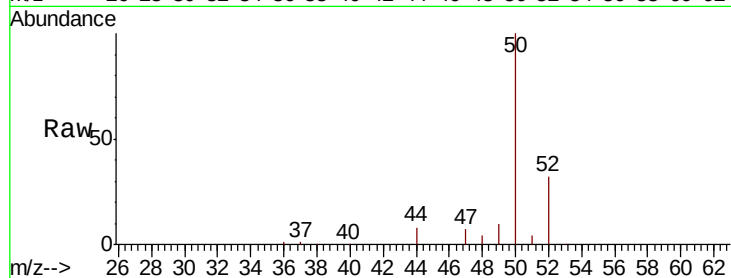
VU0928WBS03

Tgt Ion: 50 Resp: 39391

Ion Ratio Lower Upper

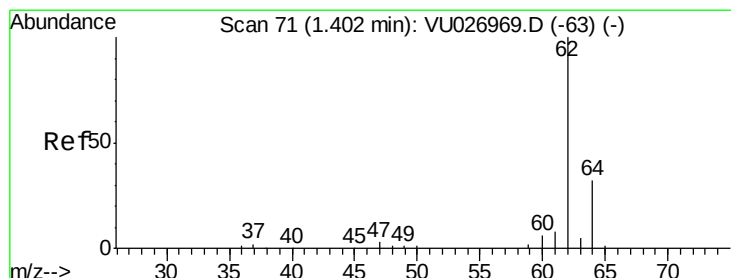
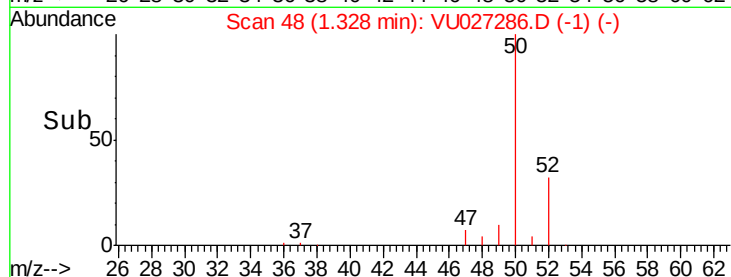
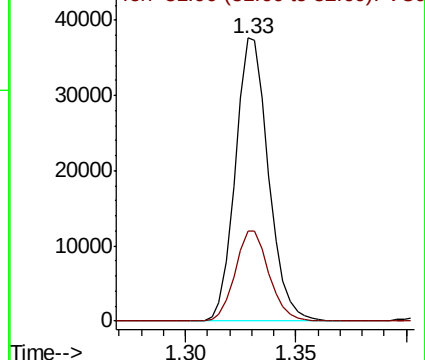
50 100

52 32.0 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: 20.354 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027286.D

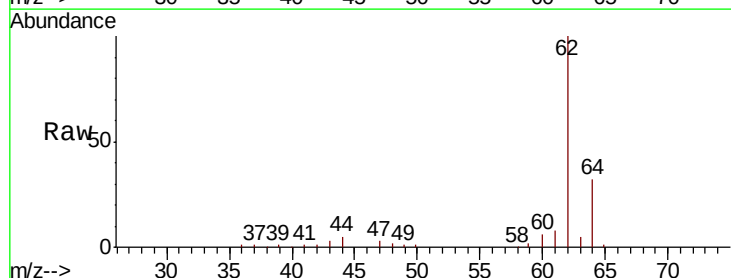
Acq: 28 Sep 2018 21:41

Tgt Ion: 62 Resp: 42167

Ion Ratio Lower Upper

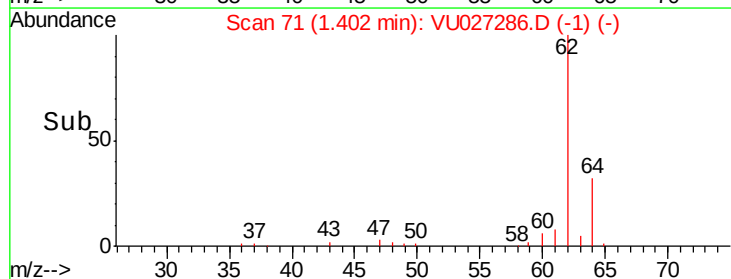
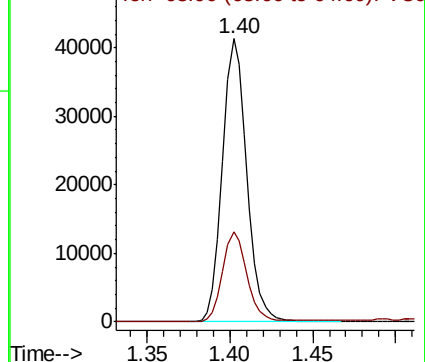
62 100

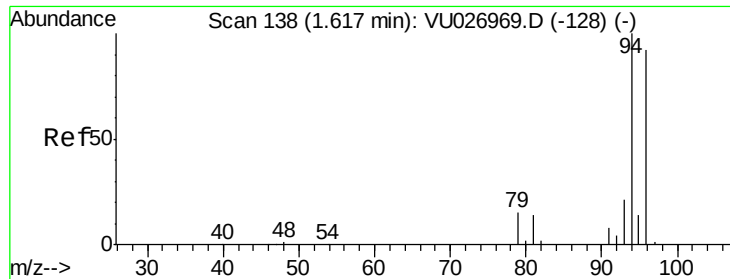
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

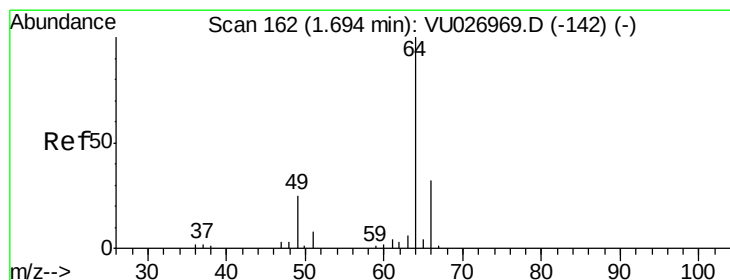
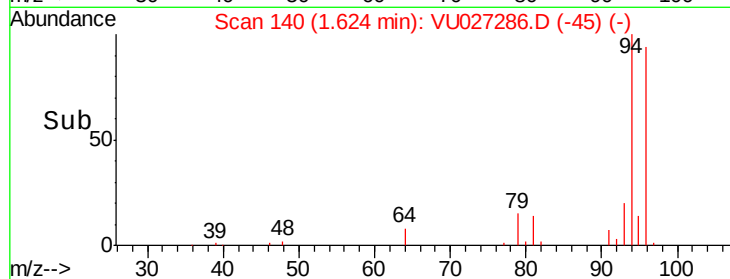
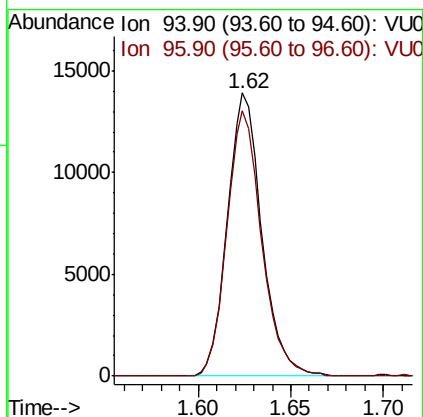
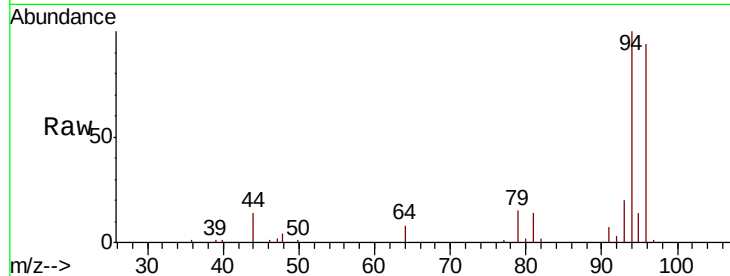




#5
Bromomethane
Concen: 15.211 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

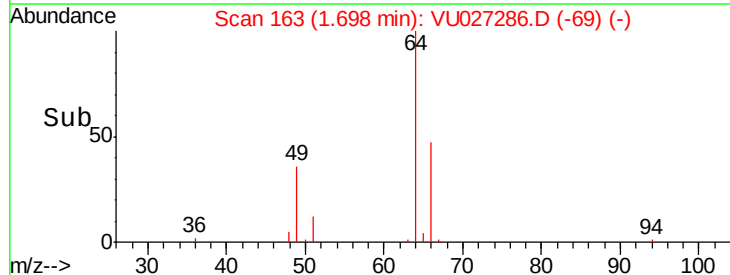
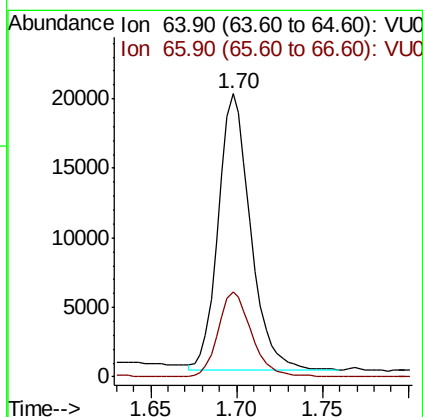
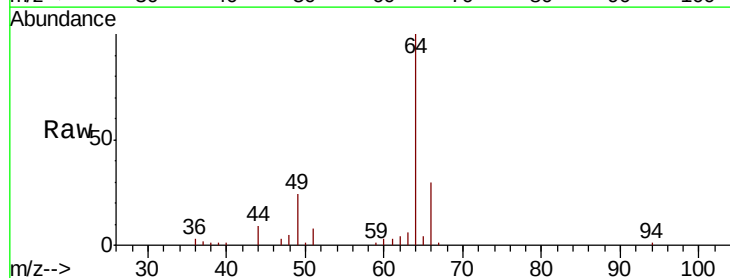
Instrument :
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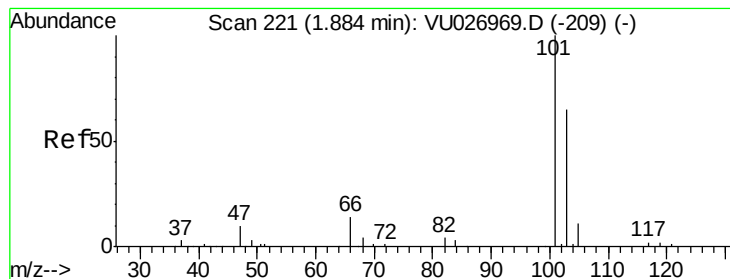
Tgt Ion: 94 Resp: 17945
Ion Ratio Lower Upper
94 100
96 93.8 73.2 109.8



#6
Chloroethane
Concen: 19.537 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 64 Resp: 25861
Ion Ratio Lower Upper
64 100
66 31.0 25.3 37.9



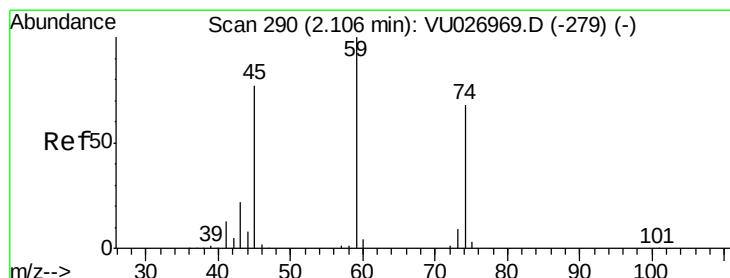
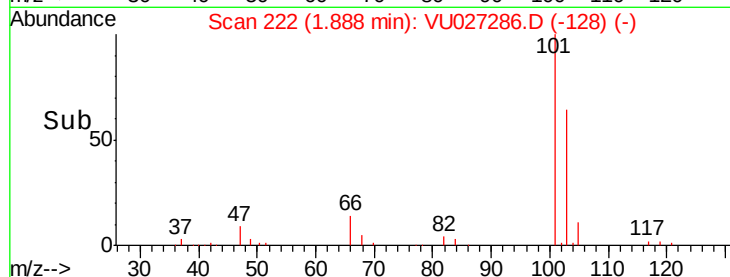
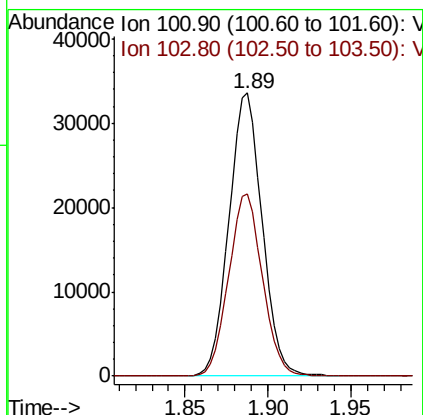
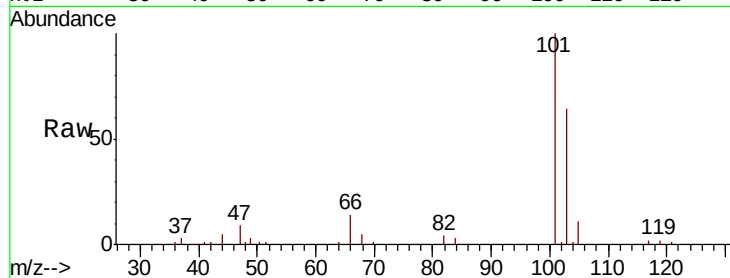


#7

Trichlorofluoromethane
 Concen: 19.892 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

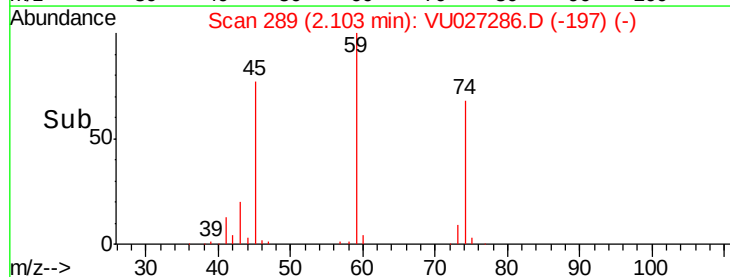
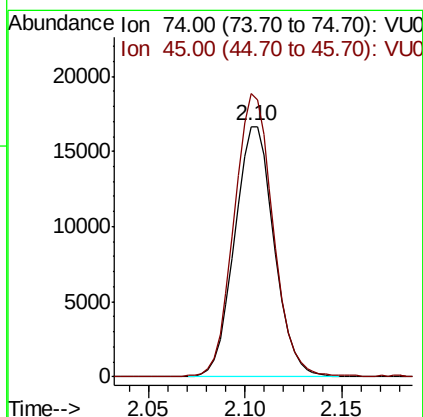
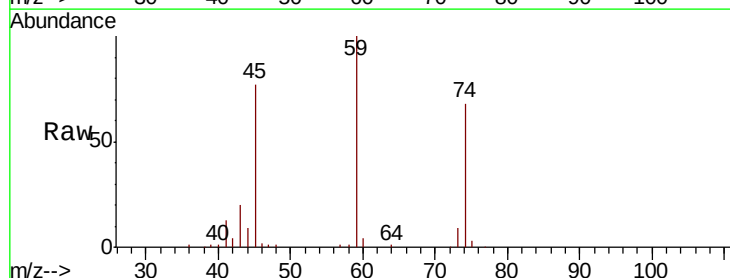
Tgt Ion:101 Resp: 46804
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.2

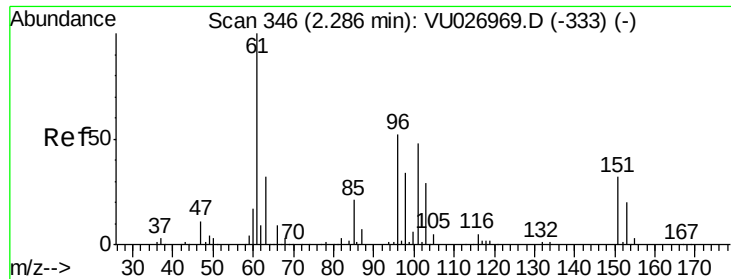


#8

Diethyl Ether
 Concen: 20.882 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 74 Resp: 23650
 Ion Ratio Lower Upper
 74 100
 45 111.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.792 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

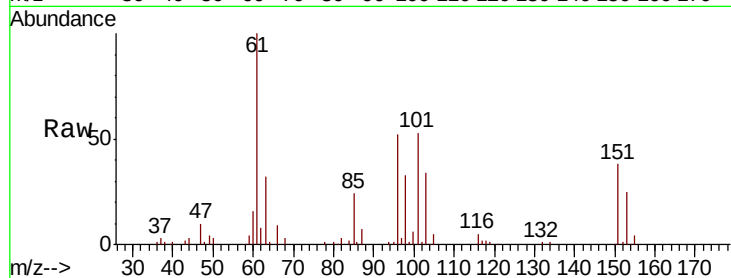
Tgt Ion:101 Resp: 28634

Ion Ratio Lower Upper

101 100

85 45.7 36.2 54.2

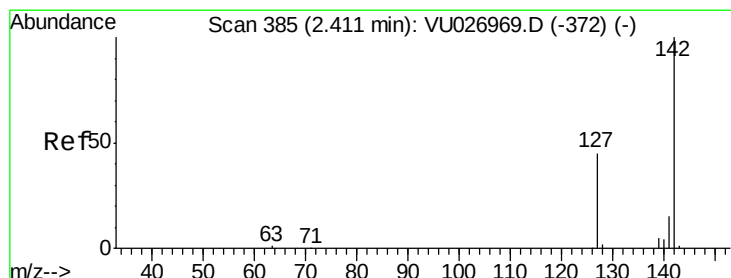
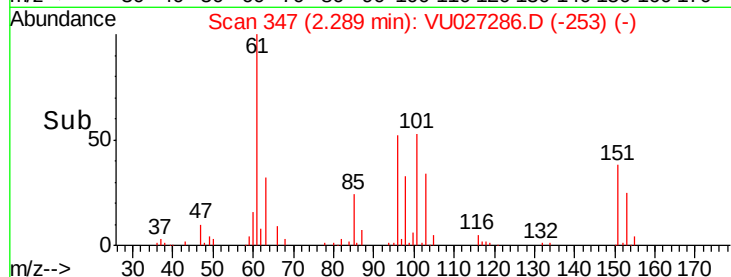
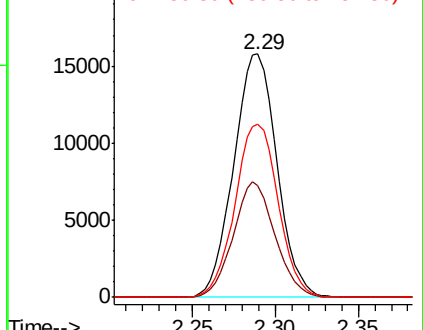
151 71.1 54.5 81.7



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: 4.894 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

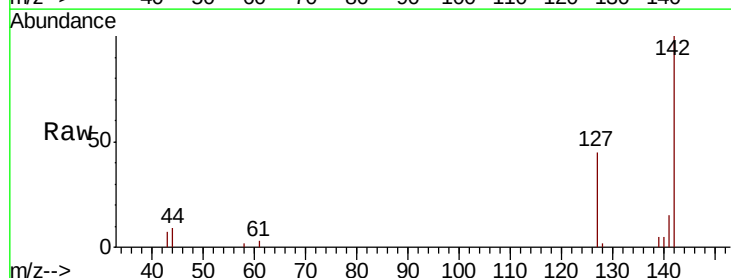
Tgt Ion:142 Resp: 8781

Ion Ratio Lower Upper

142 100

127 44.2 36.7 55.1

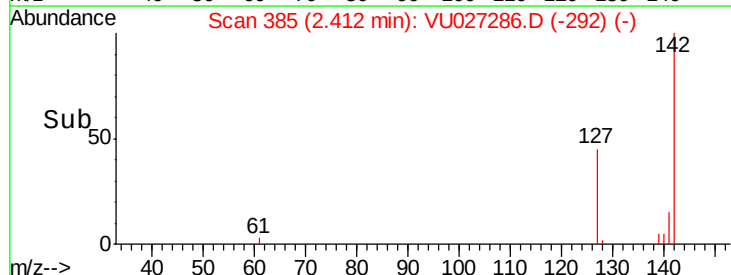
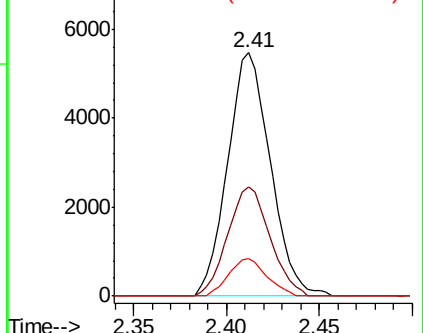
141 13.8 11.8 17.6

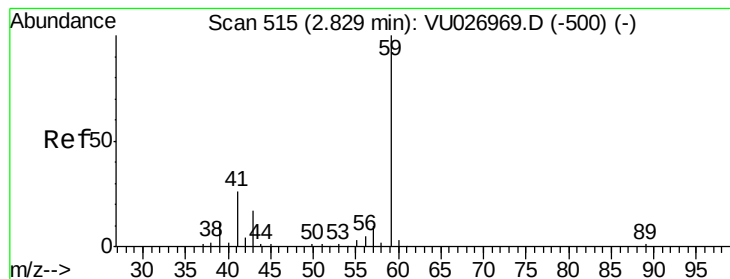


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



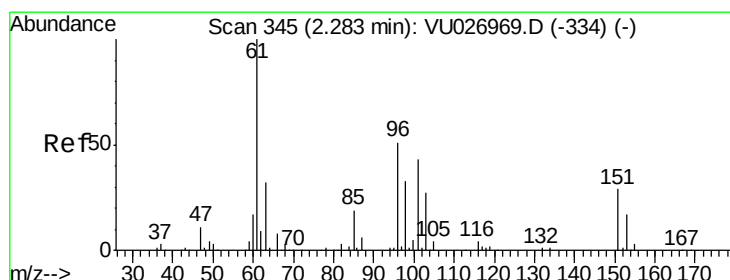
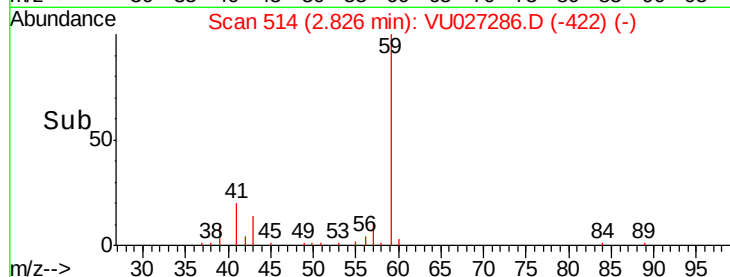
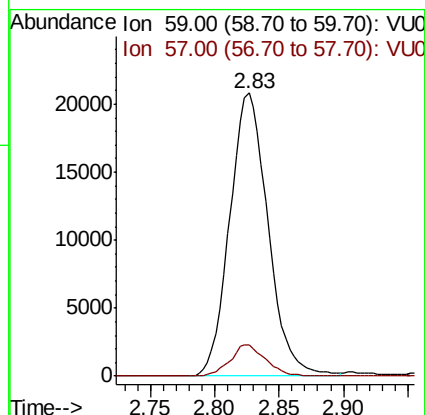
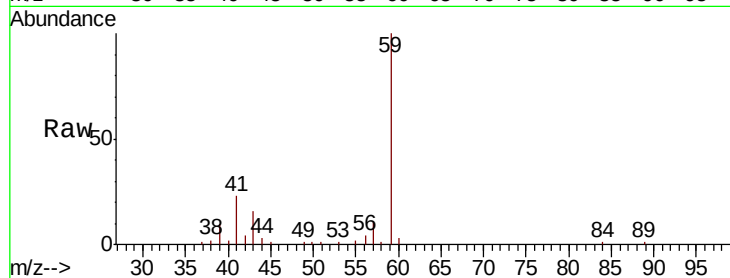


#11

Tert butyl alcohol
 Concen: 94.678 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

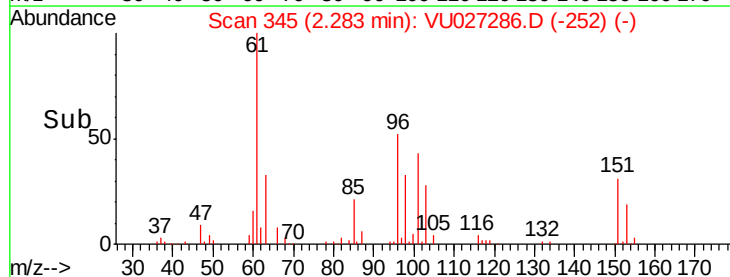
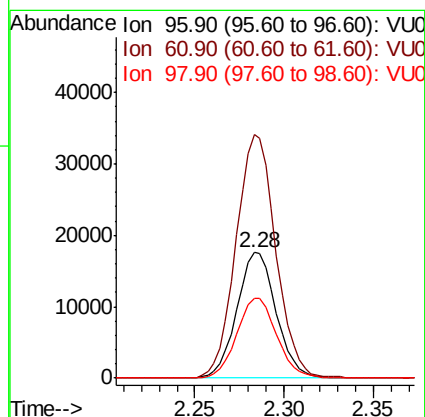
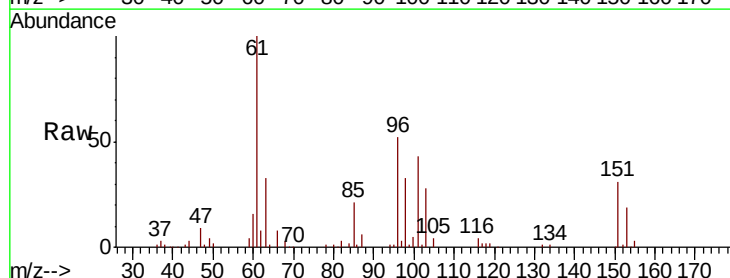
Tgt Ion: 59 Resp: 43062
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

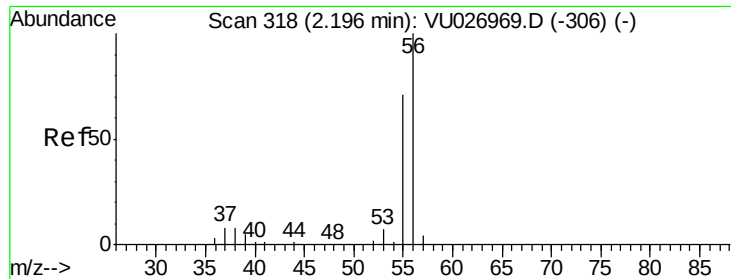


#12

1,1-Dichloroethene
 Concen: 19.815 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 96 Resp: 26983
 Ion Ratio Lower Upper
 96 100
 61 193.5 156.1 234.1
 98 63.5 51.4 77.0

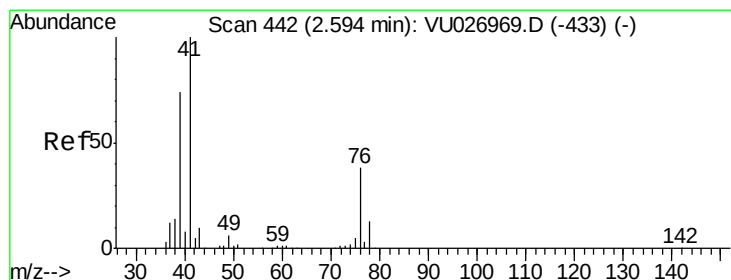
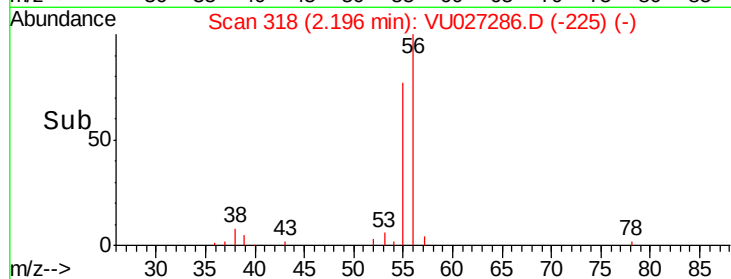
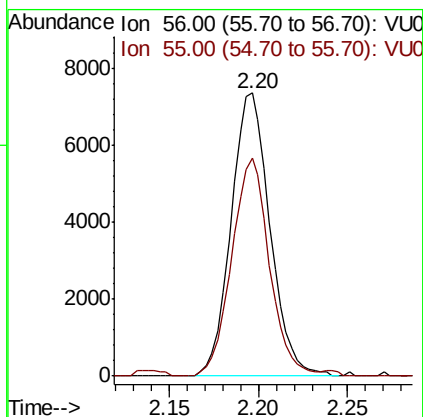
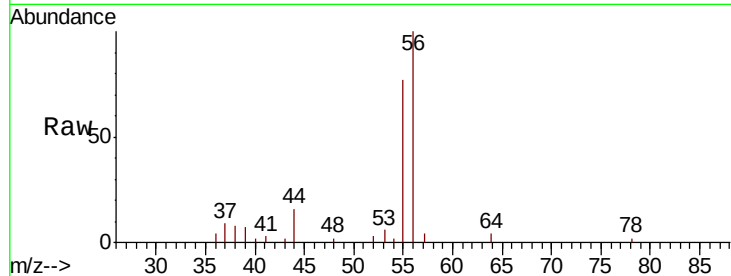




#13
Acrolein
Concen: 45.509 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

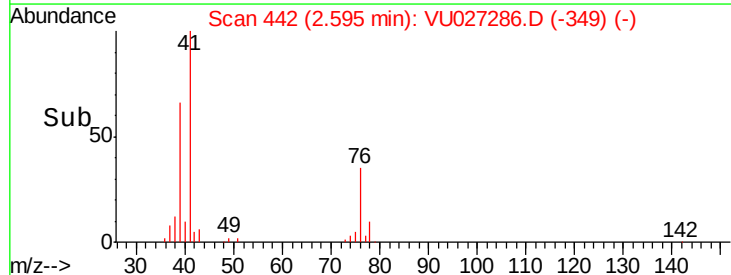
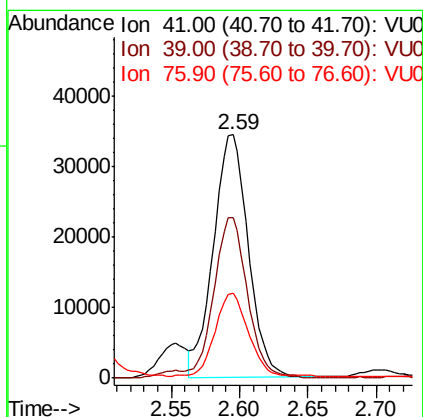
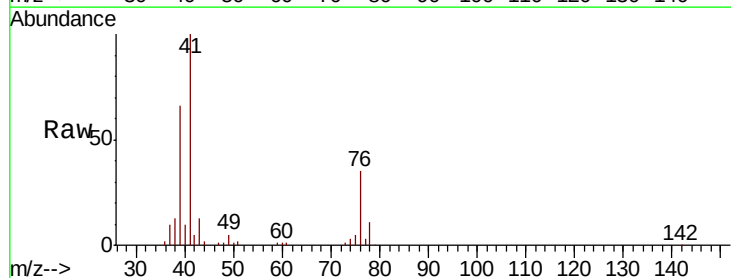
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

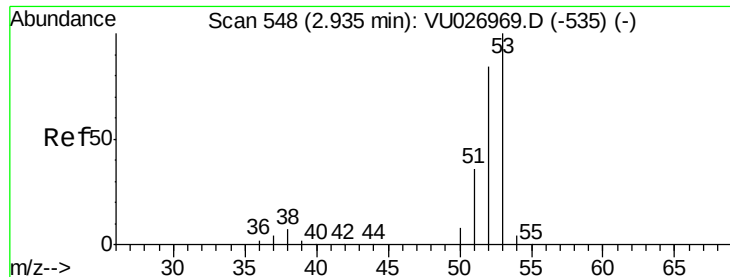
Tgt Ion: 56 Resp: 11158
Ion Ratio Lower Upper
56 100
55 74.6 57.1 85.7



#14
Allyl chloride
Concen: 22.174 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 41 Resp: 61241
Ion Ratio Lower Upper
41 100
39 62.8 55.7 83.5
76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 101.089 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

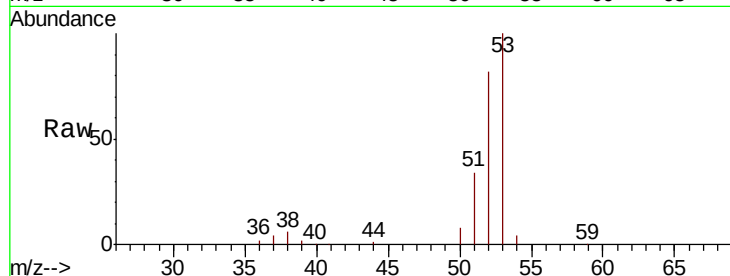
Tgt Ion: 53 Resp: 115882

Ion Ratio Lower Upper

53 100

52 83.4 65.7 98.5

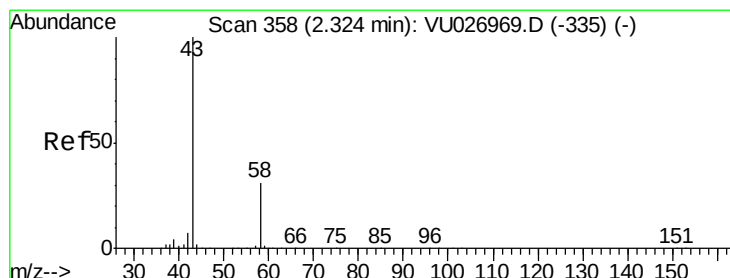
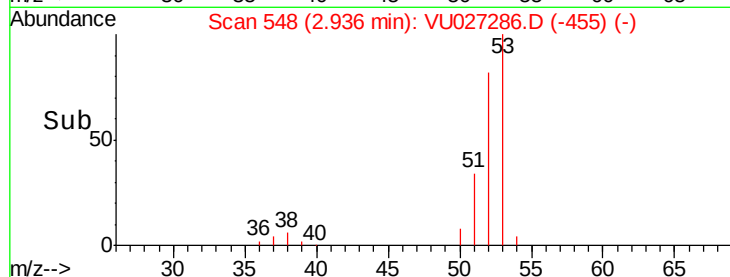
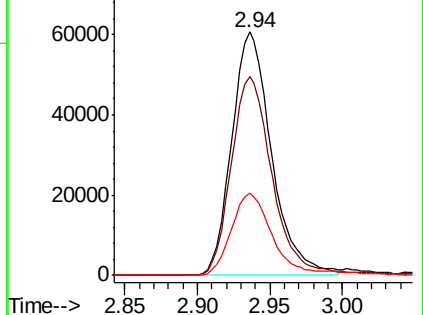
51 35.7 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 85.589 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027286.D

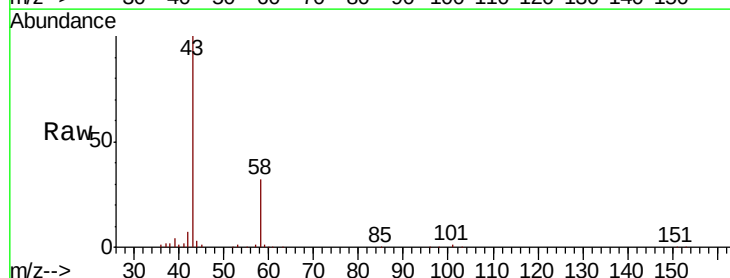
Acq: 28 Sep 2018 21:41

Tgt Ion: 43 Resp: 101717

Ion Ratio Lower Upper

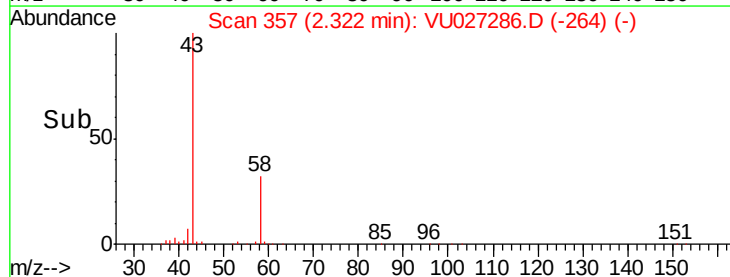
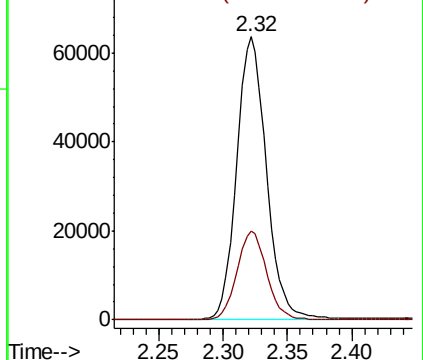
43 100

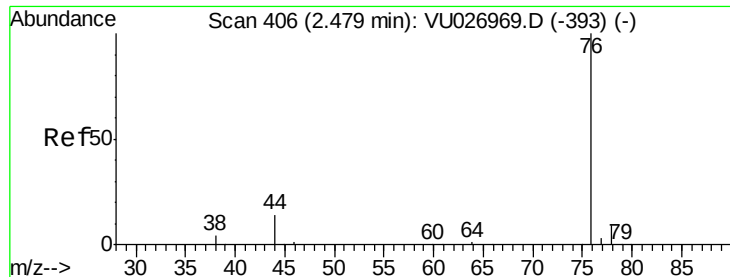
58 31.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 20.485 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

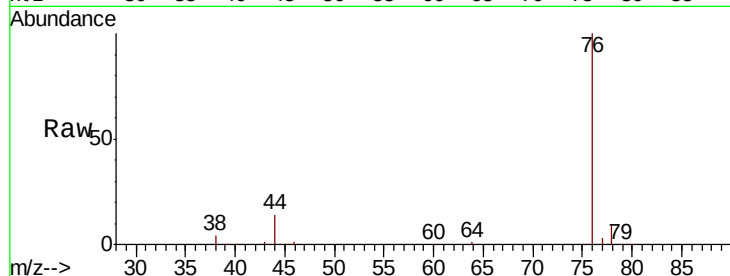
VU0928WBS03

Tgt Ion: 76 Resp: 90870

Ion Ratio Lower Upper

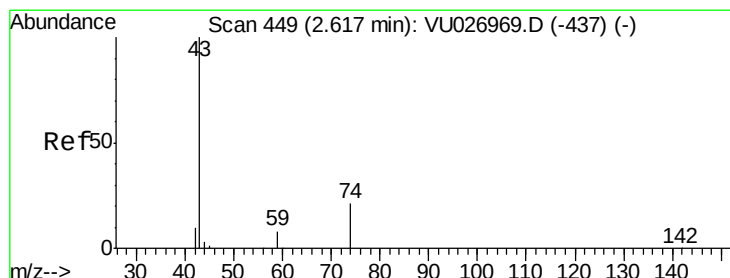
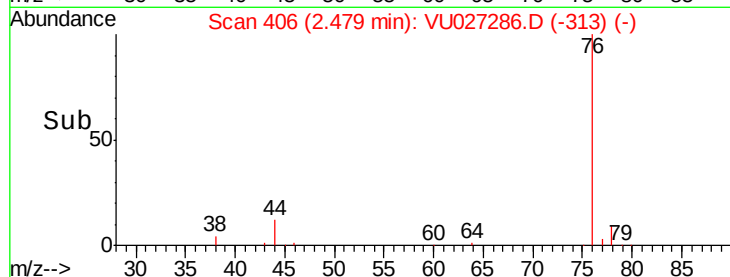
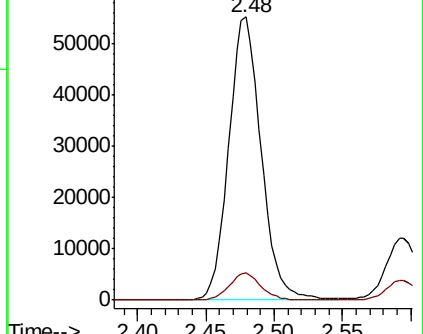
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU027286.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027286.D (-313) (-)



#18

Methyl Acetate

Concen: 23.128 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027286.D

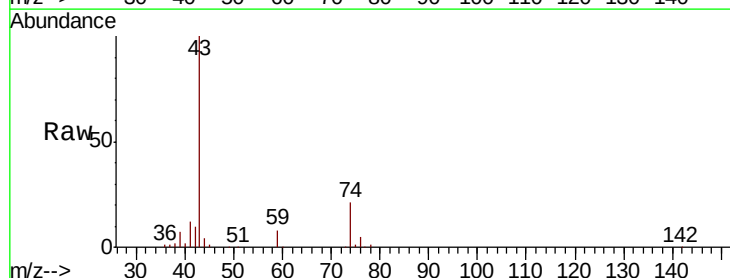
Acq: 28 Sep 2018 21:41

Tgt Ion: 43 Resp: 65323

Ion Ratio Lower Upper

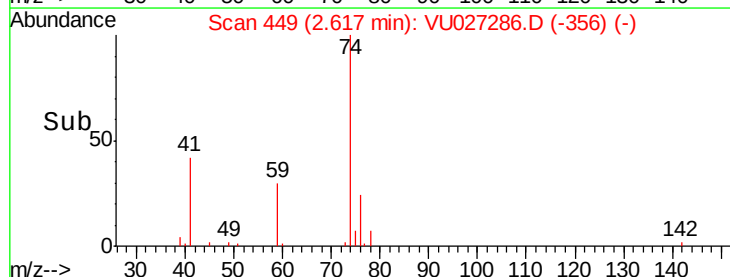
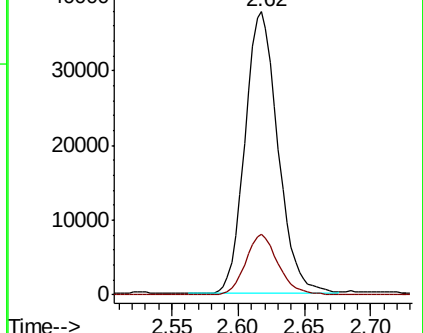
43 100

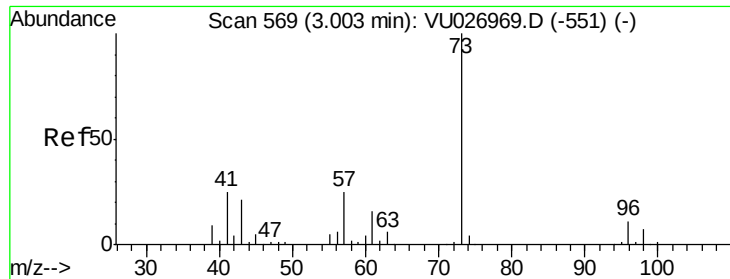
74 21.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027286.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027286.D (-356) (-)

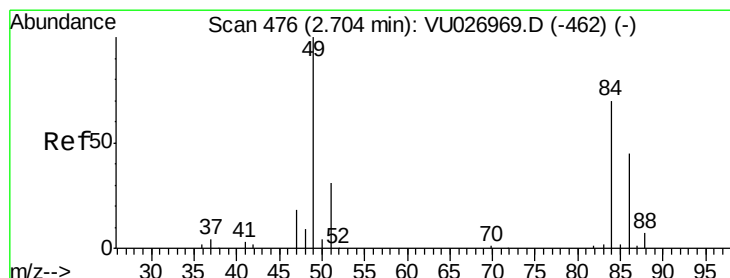
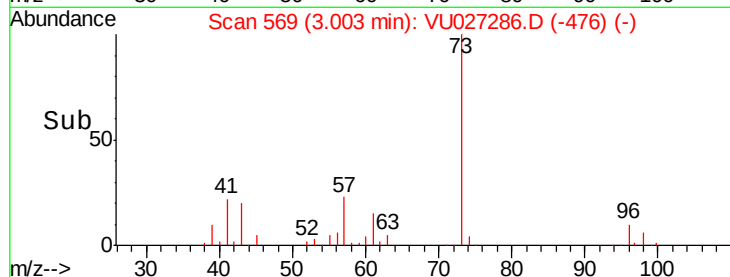
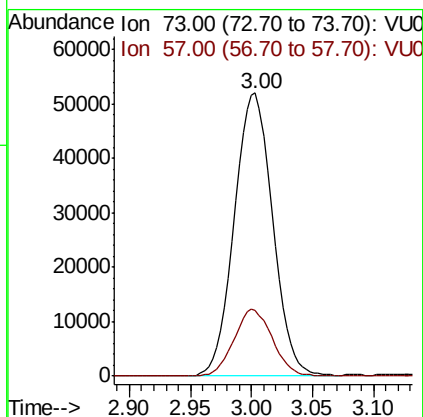
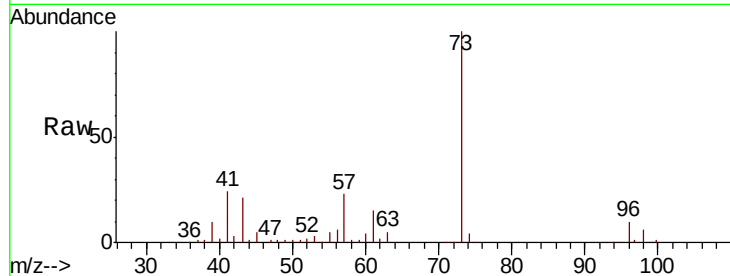




#19
Methyl tert-butyl Ether
Concen: 22.665 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

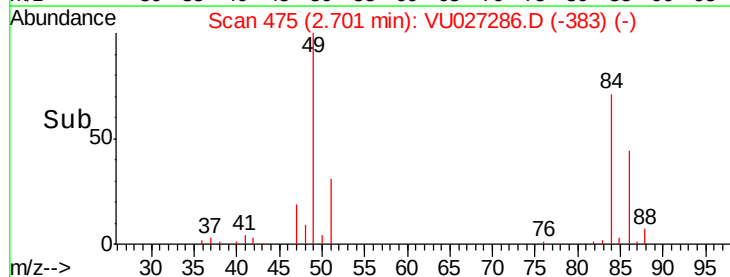
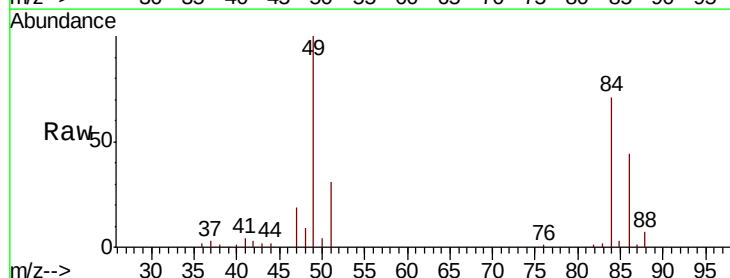
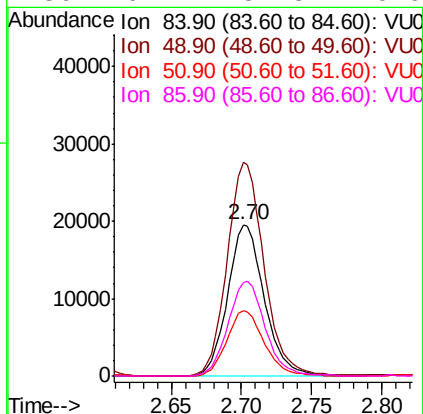
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

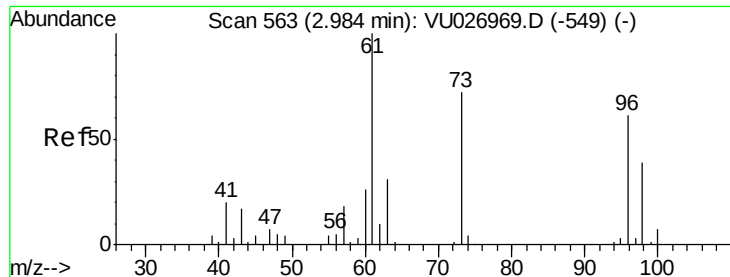
Tgt Ion: 73 Resp: 113414
Ion Ratio Lower Upper
73 100
57 23.1 19.8 29.6



#20
Methylene Chloride
Concen: 19.935 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 84 Resp: 35428
Ion Ratio Lower Upper
84 100
49 141.4 114.9 172.3
51 43.7 35.8 53.8
86 61.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 21.468 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

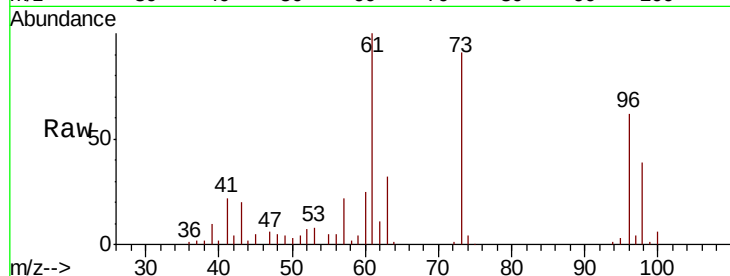
Tgt Ion: 96 Resp: 31211

Ion Ratio Lower Upper

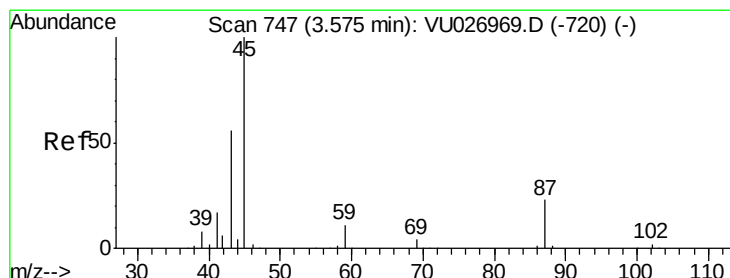
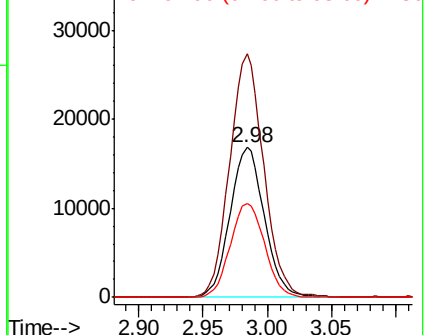
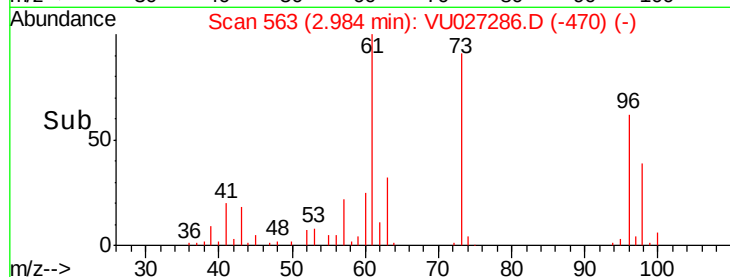
96 100

61 162.3 131.8 197.6

98 62.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027286.D (-470) (-)



#22

Diisopropyl ether

Concen: 22.664 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion: 45 Resp: 133887

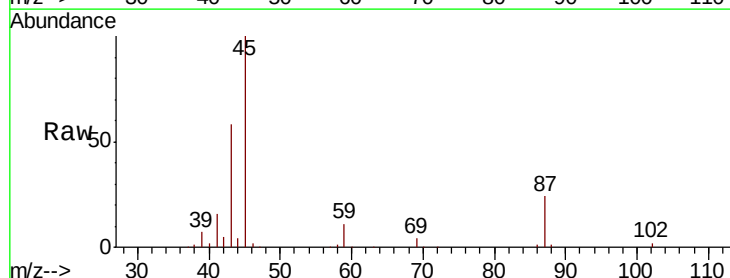
Ion Ratio Lower Upper

45 100

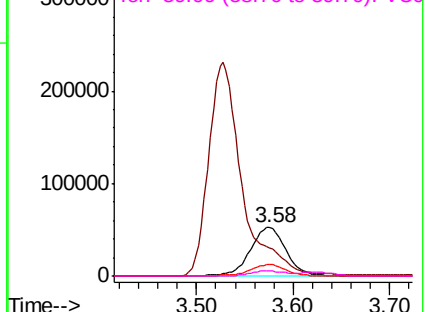
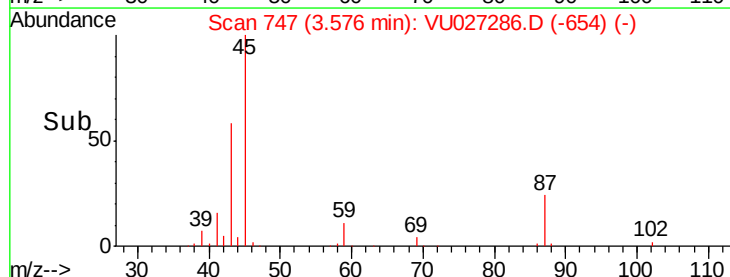
43 54.7 45.8 68.6

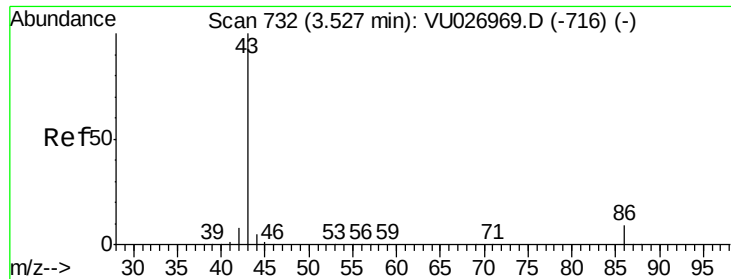
87 23.5 18.6 28.0

59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027286.D (-654) (-)





#23

Vinyl Acetate

Concen: 111.212 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

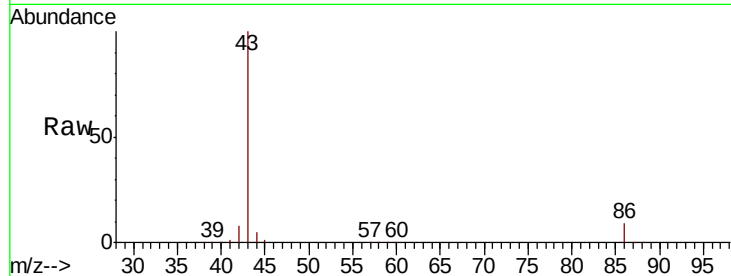
VU0928WBS03

Tgt Ion: 43 Resp: 560021

Ion Ratio Lower Upper

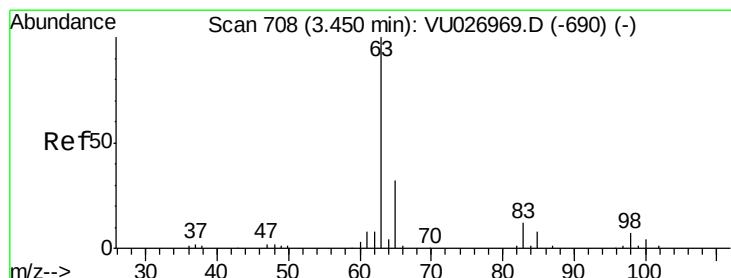
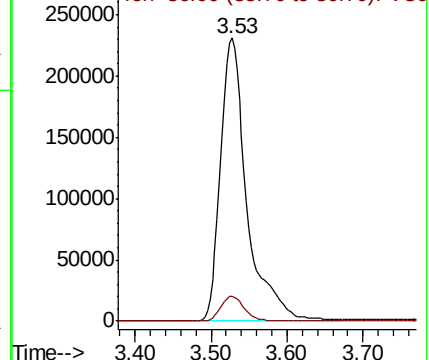
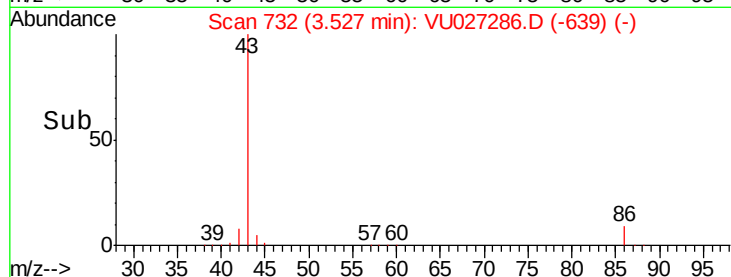
43 100

86 8.8 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU027286.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027286.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 21.407 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

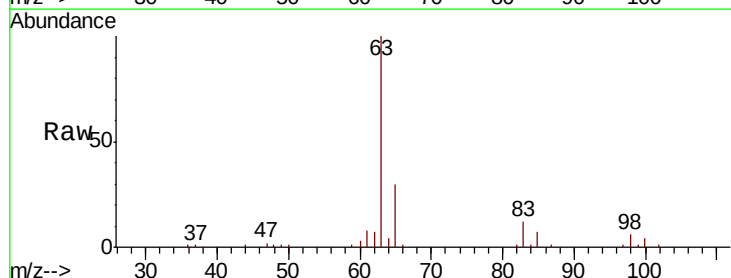
Tgt Ion: 63 Resp: 69650

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

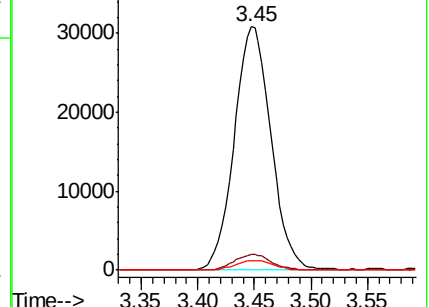
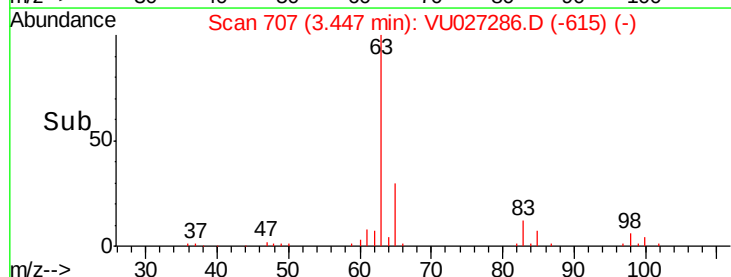
100 3.9 2.0 5.8

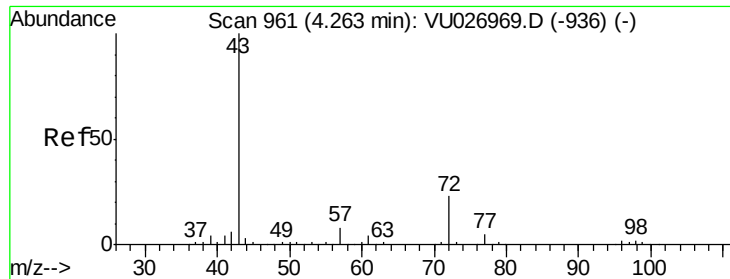


Abundance Ion 62.90 (62.60 to 63.60): VU027286.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027286.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027286.D (-615) (-)





#25

2-Butanone

Concen: 98.283 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

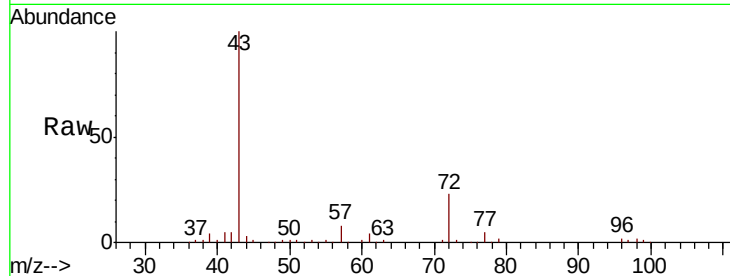
VU0928WBS03

Tgt Ion: 43 Resp: 163899

Ion Ratio Lower Upper

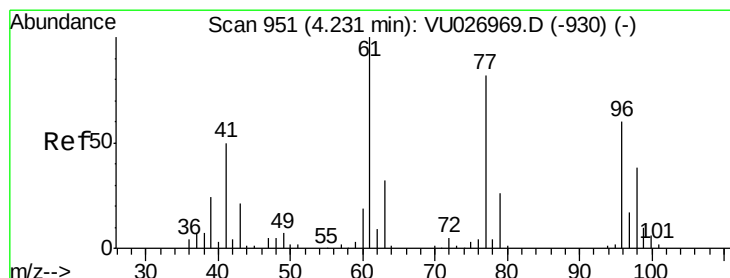
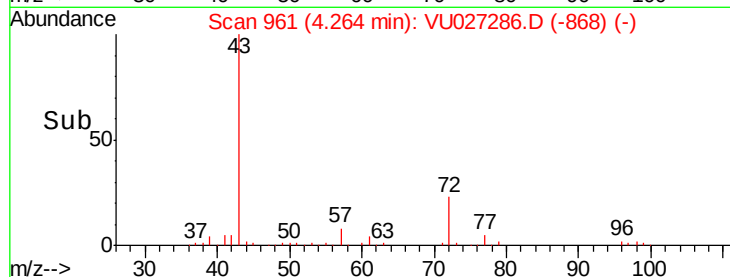
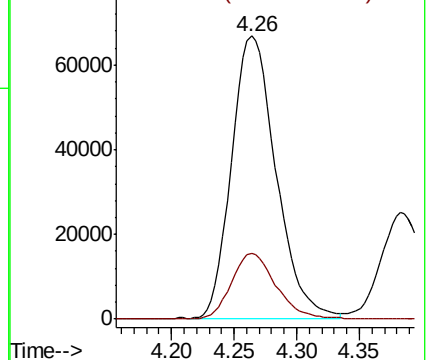
43 100

72 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.096 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027286.D

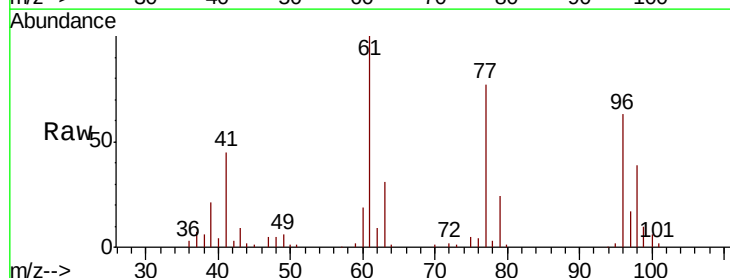
Acq: 28 Sep 2018 21:41

Tgt Ion: 77 Resp: 50992

Ion Ratio Lower Upper

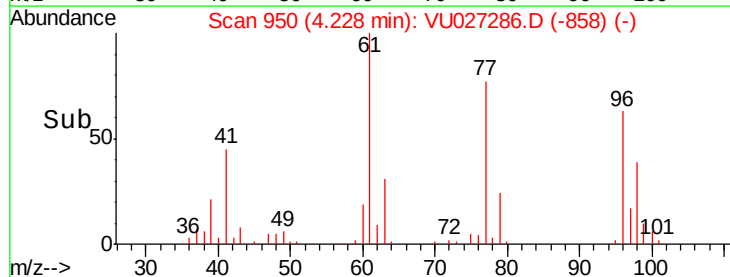
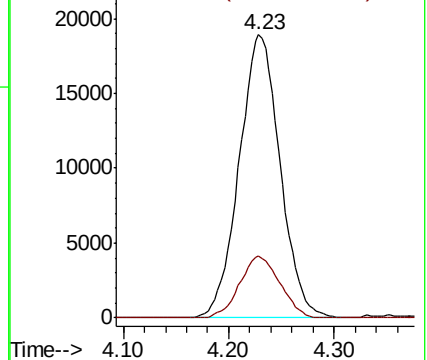
77 100

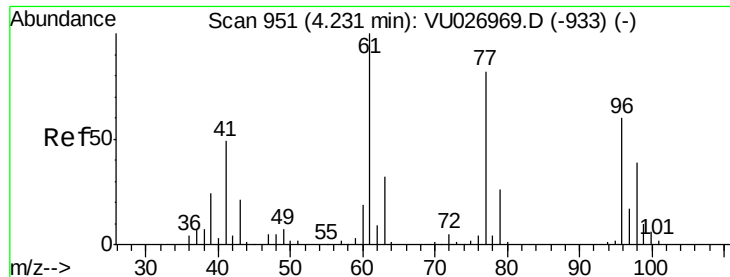
97 21.4 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



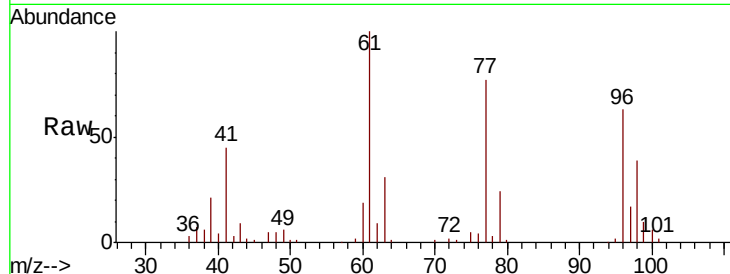


#27

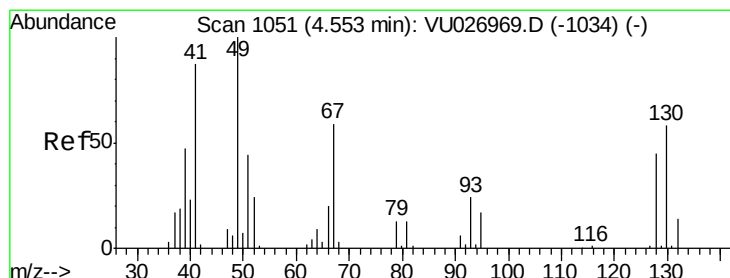
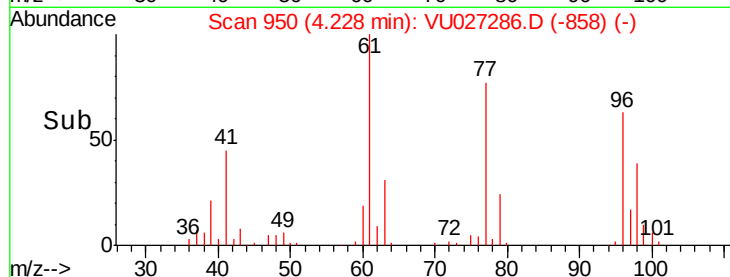
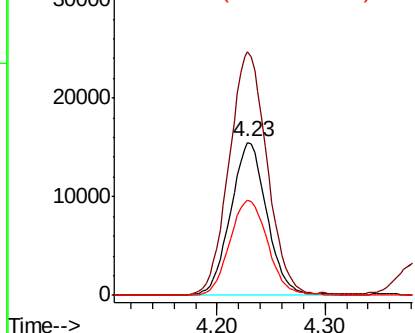
cis-1,2-Dichloroethene
 Concen: 22.161 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tgt Ion: 96 Resp: 36385
 Ion Ratio Lower Upper
 96 100
 61 166.4 0.0 337.2
 98 64.8 0.0 127.6



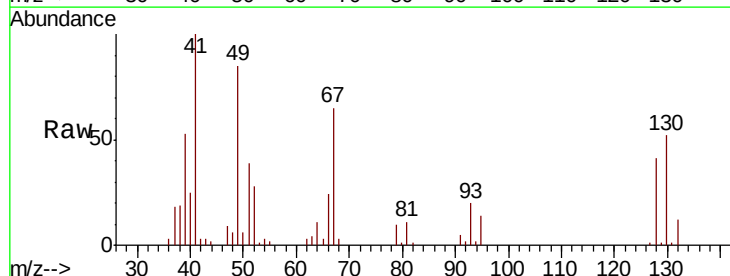
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



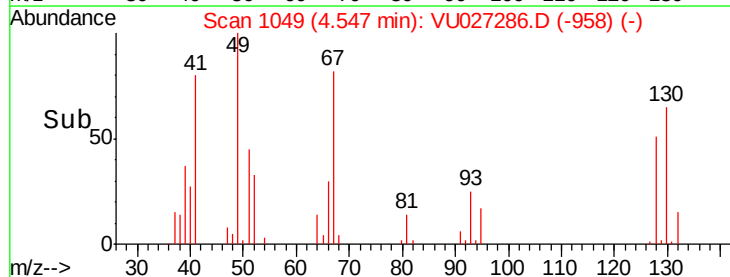
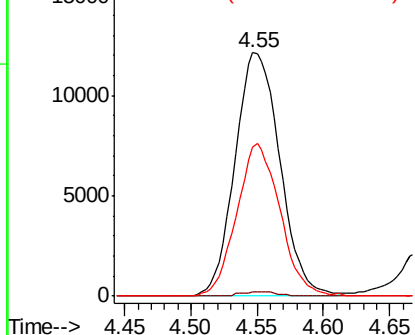
#28

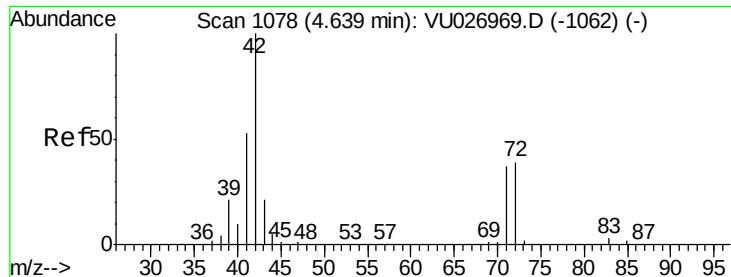
Bromochloromethane
 Concen: 18.293 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 49 Resp: 28690
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.0
 130 60.3 47.8 71.8



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





#29

Tetrahydrofuran

Concen: 106.864 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

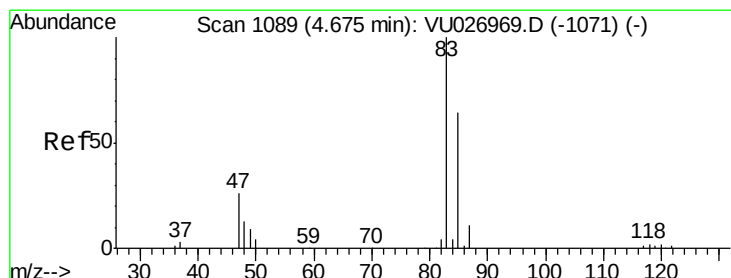
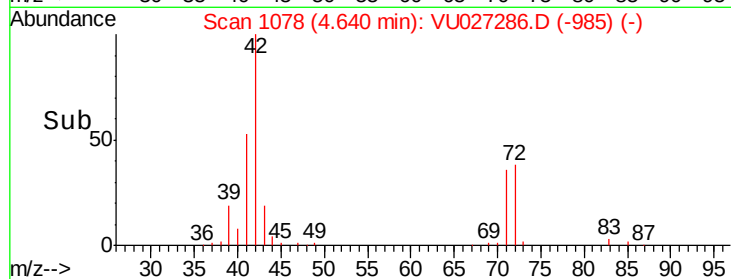
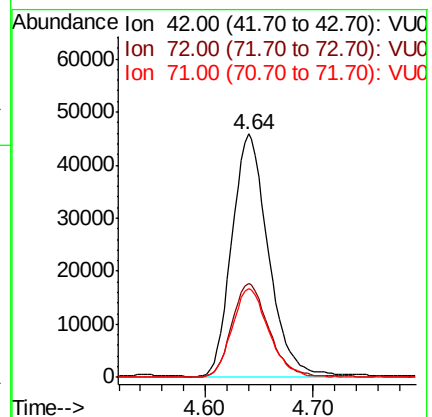
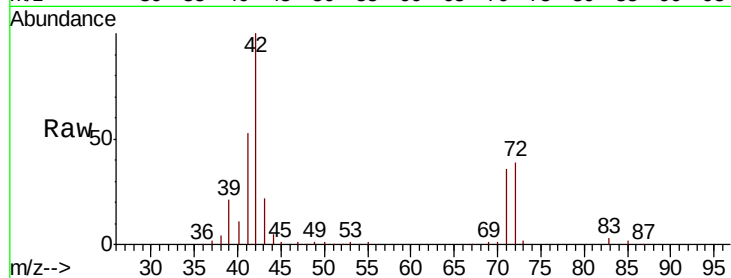
Tgt Ion: 42 Resp: 107804

Ion Ratio Lower Upper

42 100

72 39.6 31.7 47.5

71 36.9 29.6 44.4



#30

Chloroform

Concen: 20.690 ug/l

RT: 4.68 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027286.D

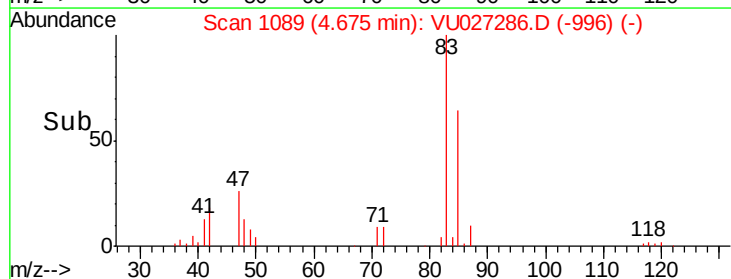
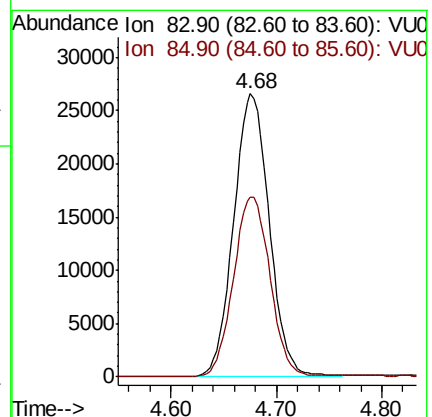
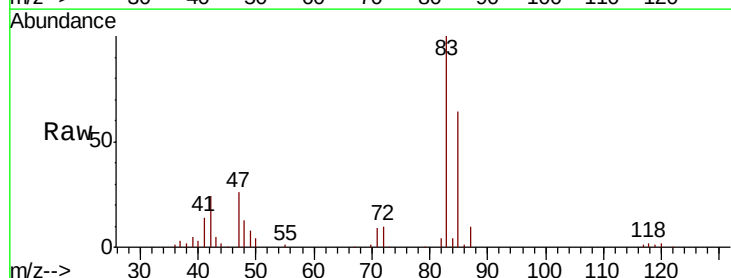
Acq: 28 Sep 2018 21:41

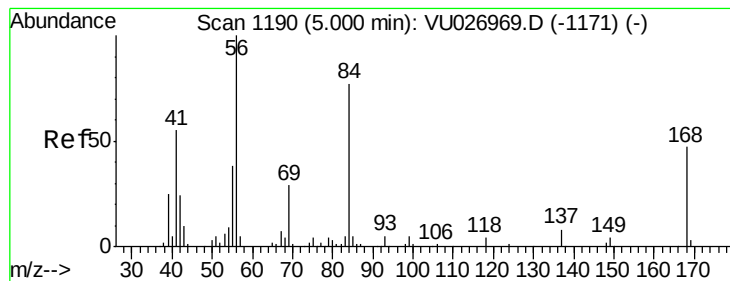
Tgt Ion: 83 Resp: 62486

Ion Ratio Lower Upper

83 100

85 63.7 51.5 77.3





#31

Cyclohexane

Concen: 22.130 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

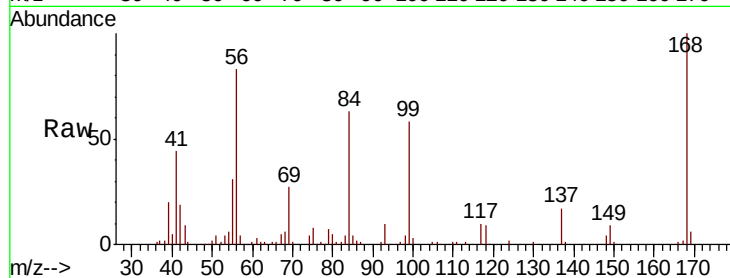
Tgt Ion: 56 Resp: 66399

Ion Ratio Lower Upper

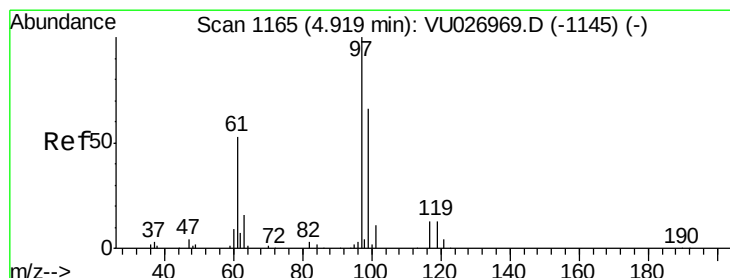
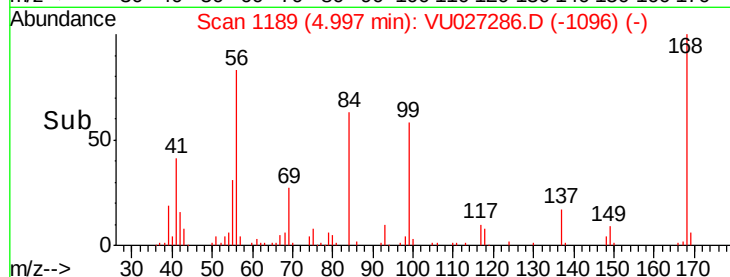
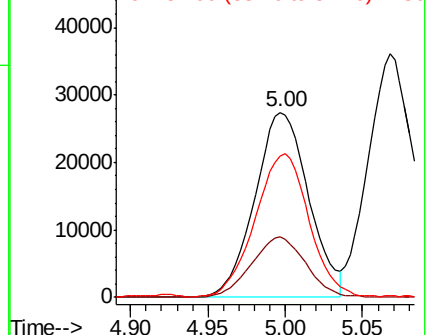
56 100

69 32.4 23.0 34.4

84 76.3 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: 21.523 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

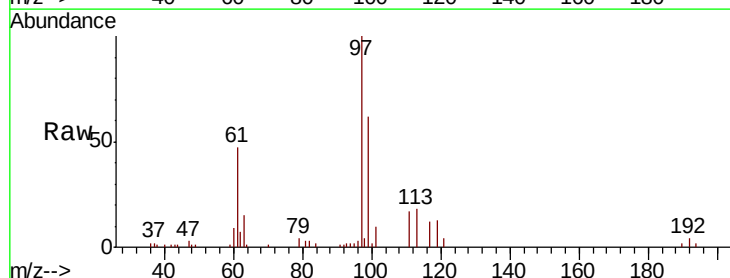
Tgt Ion: 97 Resp: 51899

Ion Ratio Lower Upper

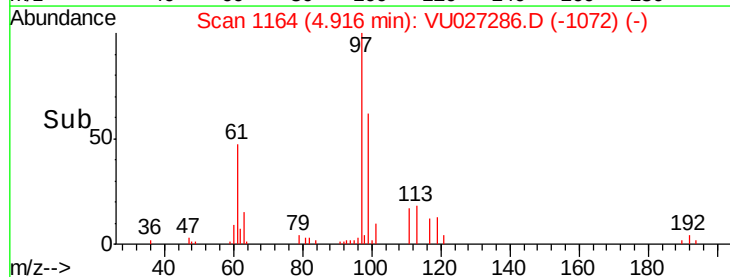
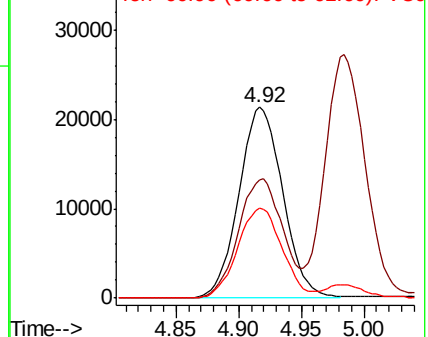
97 100

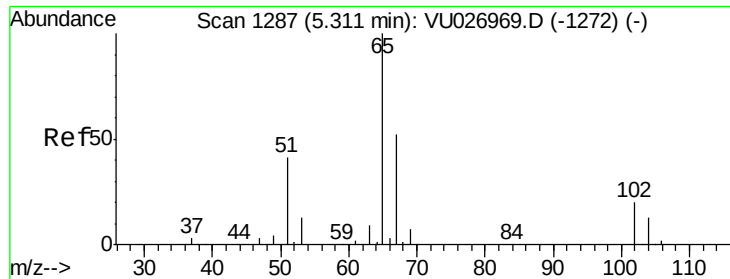
99 63.0 51.8 77.6

61 48.0 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

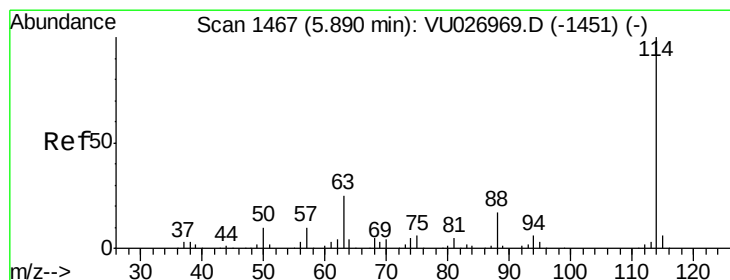
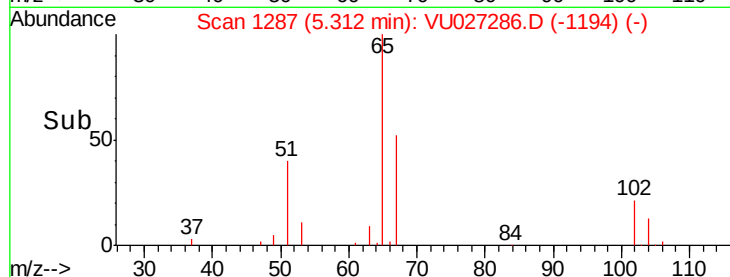
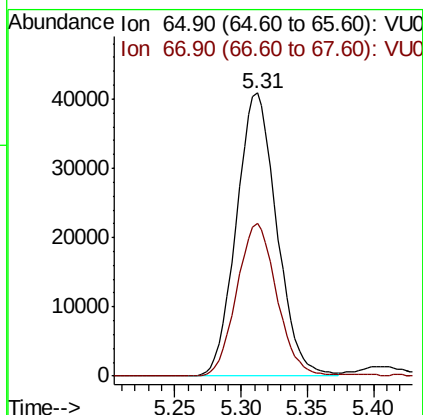
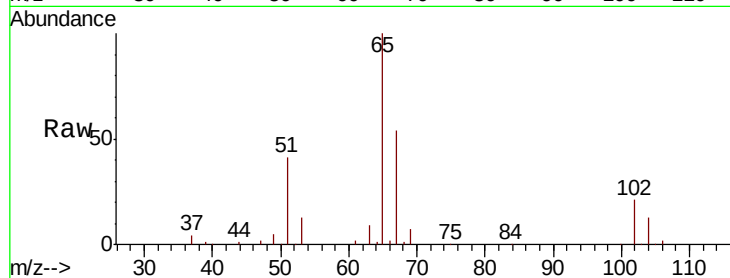




#33
 1,2-Dichloroethane-d4
 Concen: 43.638 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

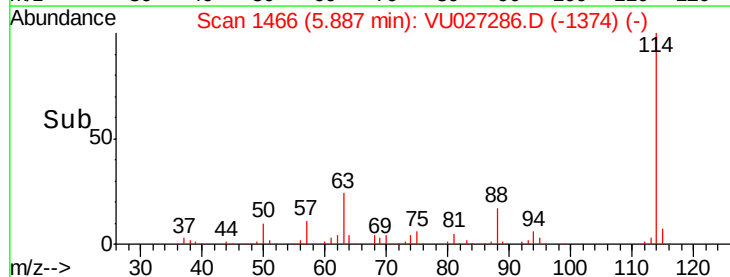
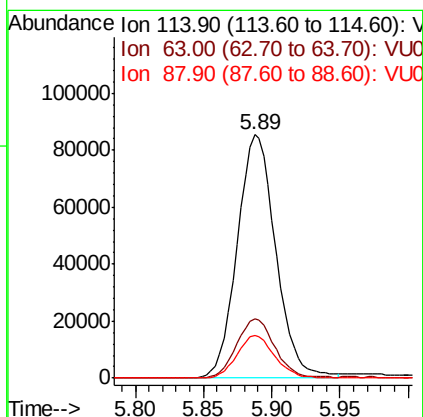
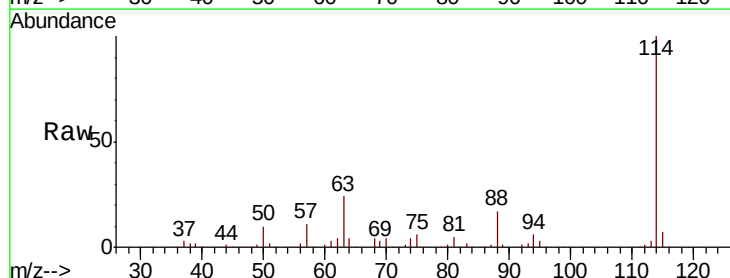
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

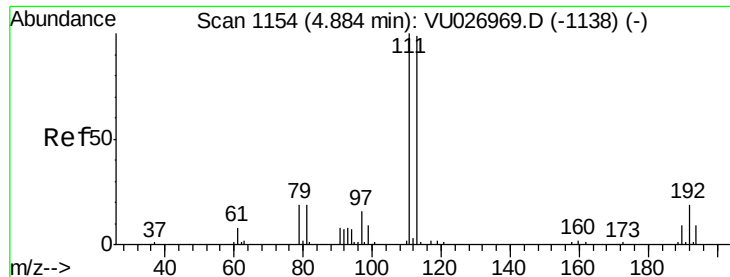
Tgt Ion: 65 Resp: 86593
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 114 Resp: 167589
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.5 0.0 33.8

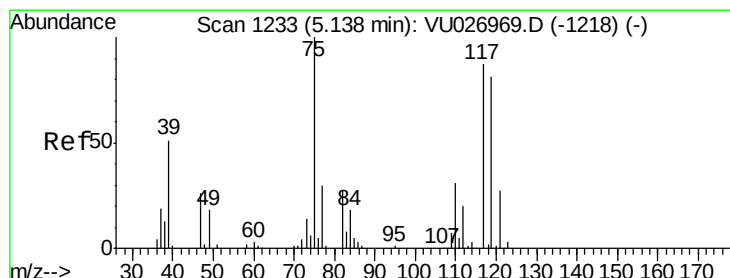
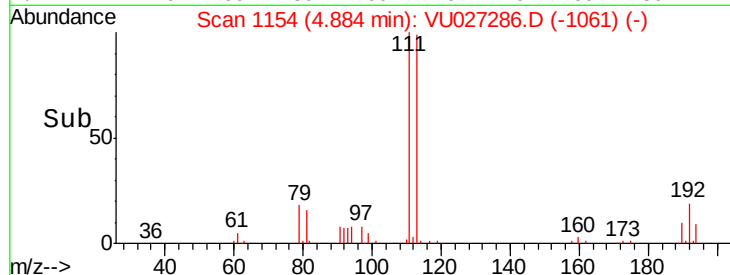
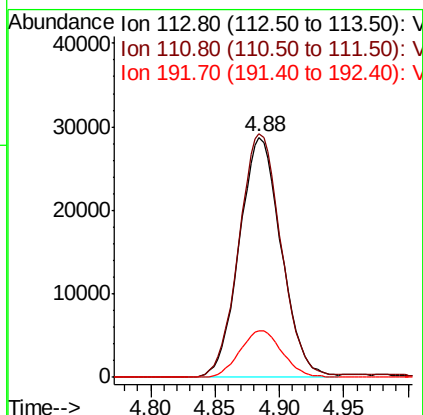
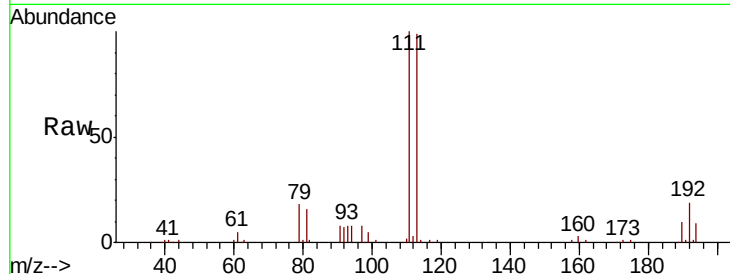




#35
 Dibromofluoromethane
 Concen: 44.838 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

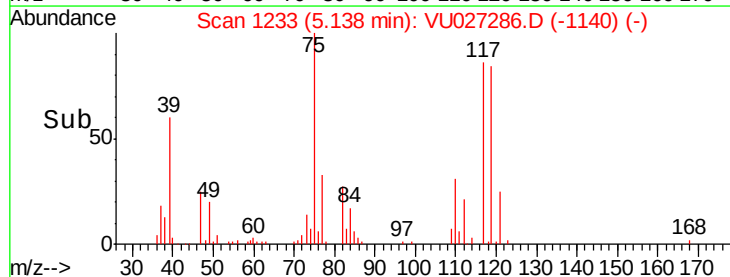
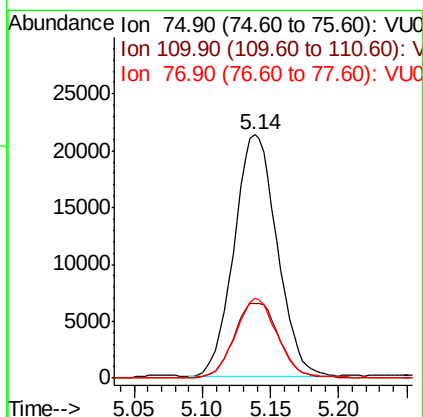
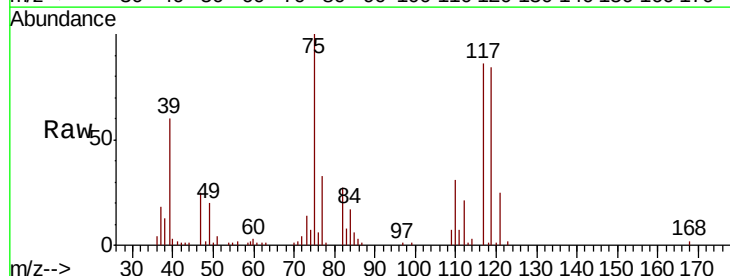
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

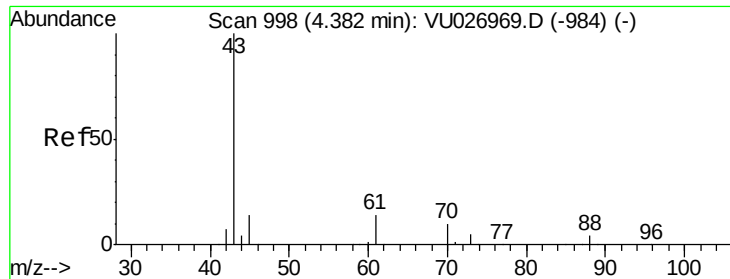
Tgt Ion: 113 Resp: 65135
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 19.6 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 20.787 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 75 Resp: 46493
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.1 48.2
 77 32.5 24.6 36.8

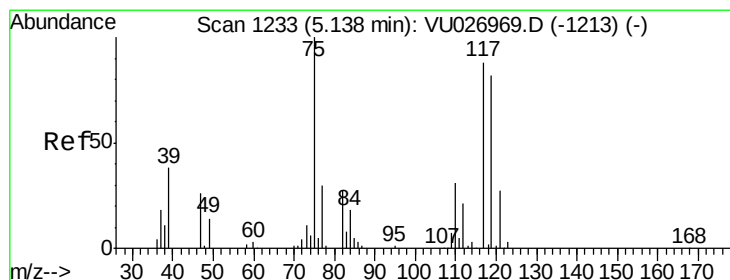
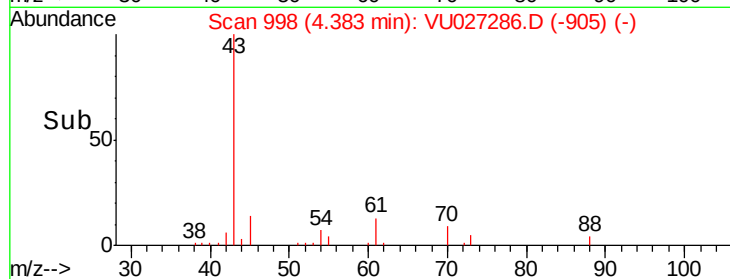
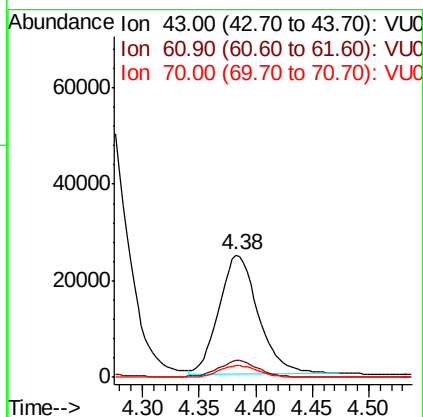
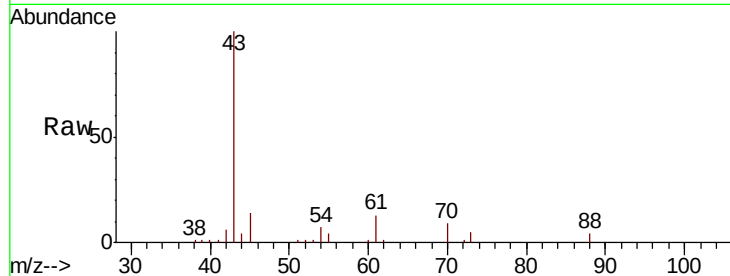




#37
Ethyl Acetate
Concen: 19.758 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

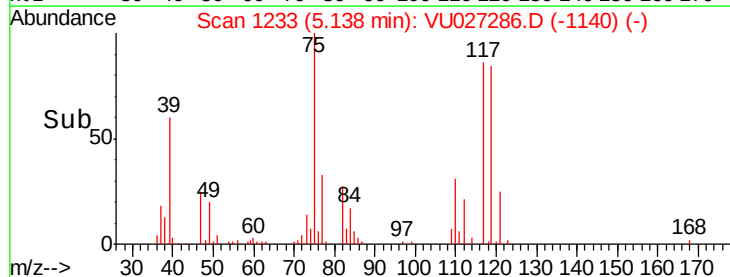
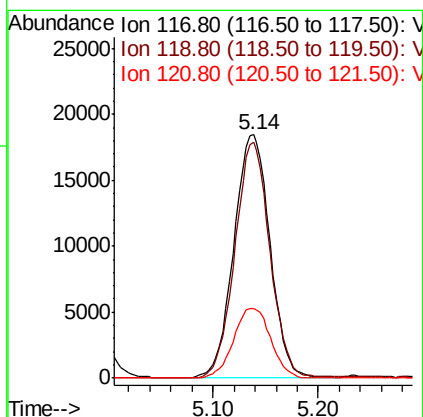
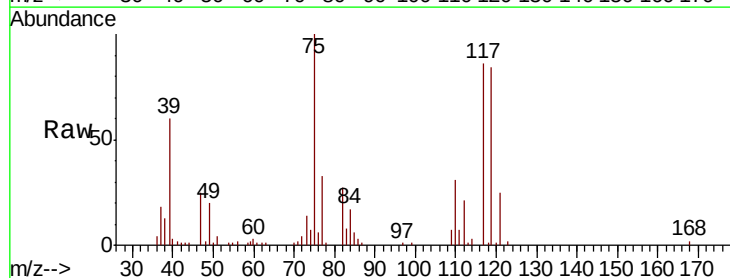
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

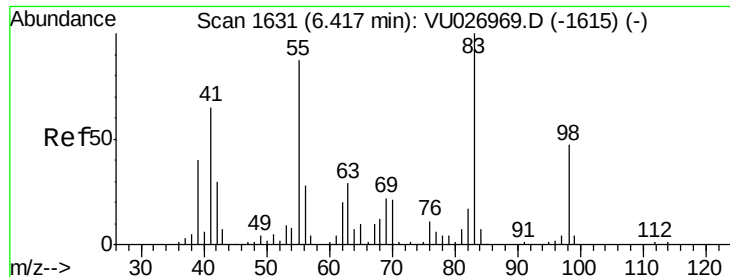
Tgt Ion: 43 Resp: 59824
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.622 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 117 Resp: 43893
Ion Ratio Lower Upper
117 100
119 97.0 74.4 111.6
121 28.4 24.2 36.4

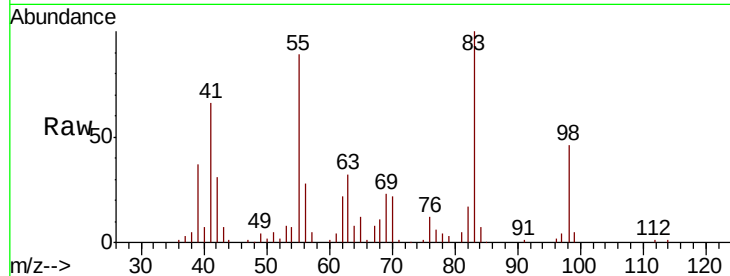




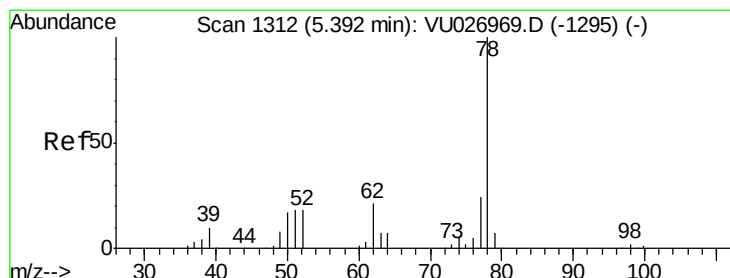
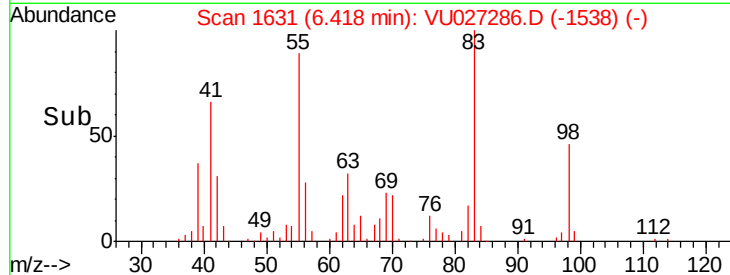
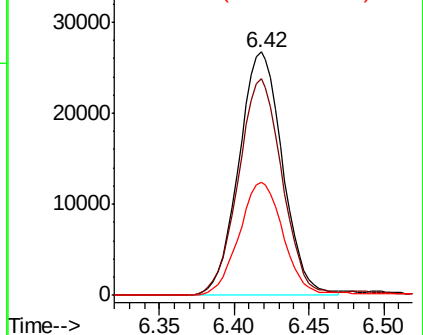
#39
Methylcyclohexane
Concen: 22.377 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tgt Ion: 83 Resp: 54390
Ion Ratio Lower Upper
83 100
55 88.8 69.9 104.9
98 46.3 37.5 56.3

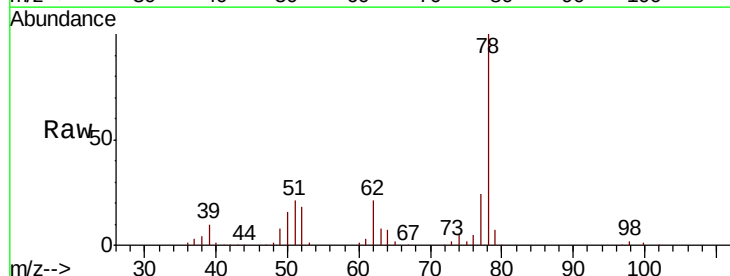


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

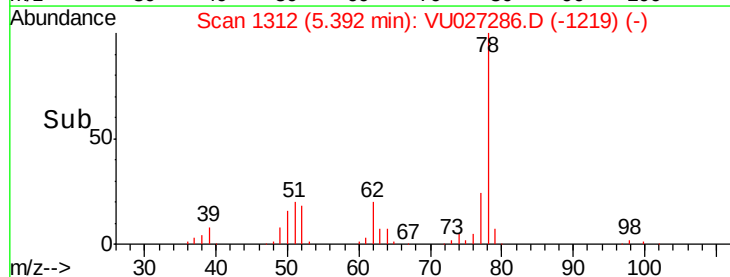
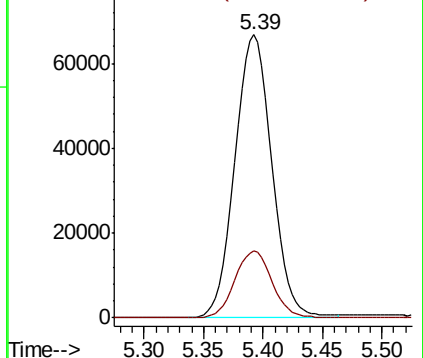


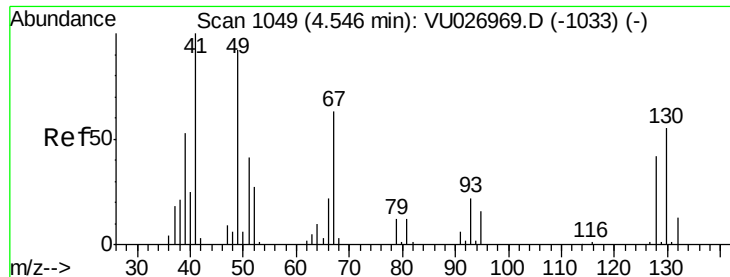
#40
Benzene
Concen: 21.198 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 78 Resp: 144136
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0



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

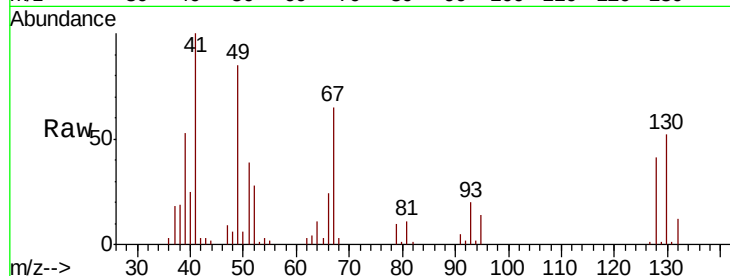




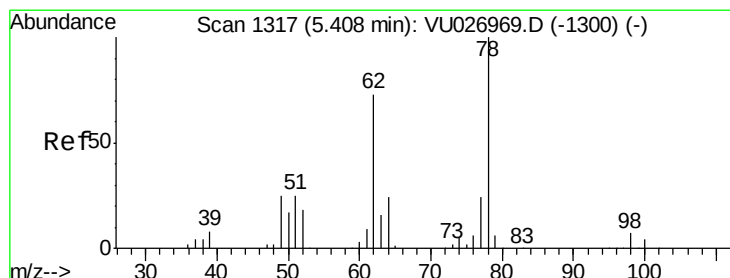
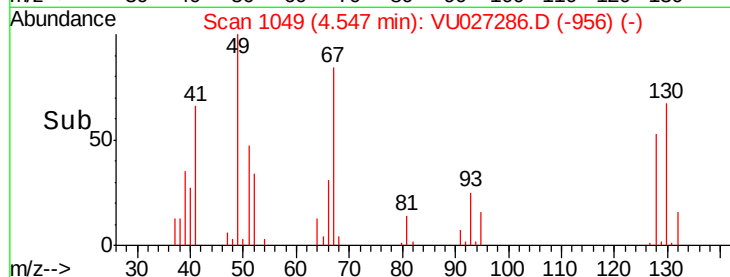
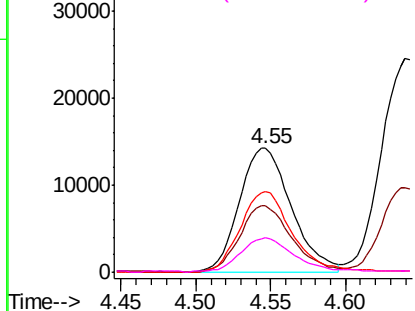
#41
Methacrylonitrile
Concen: 21.959 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tgt Ion: 41 Resp: 34531
Ion Ratio Lower Upper
41 100
39 53.7 42.9 64.3
67 65.9 52.4 78.6
52 29.3 21.3 31.9

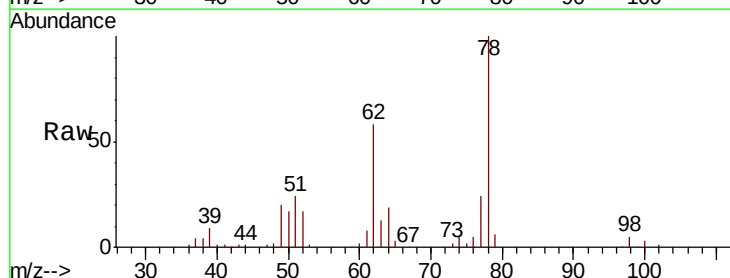


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

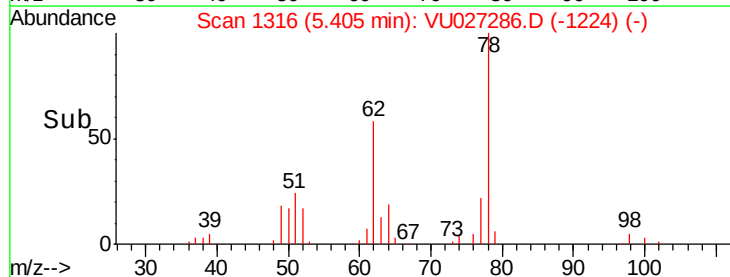
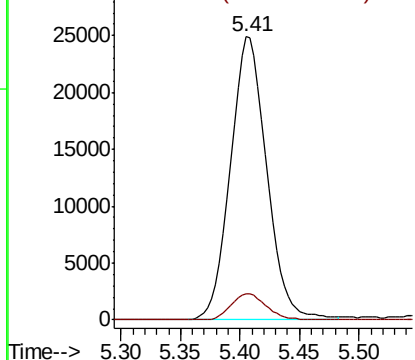


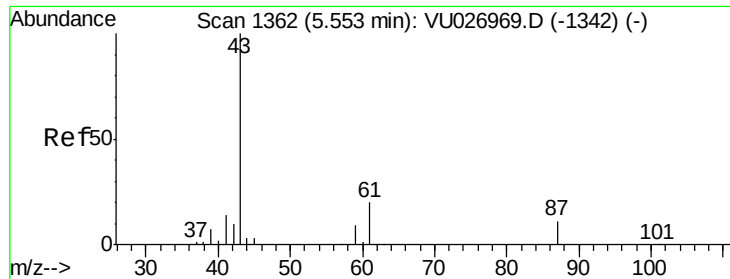
#42
1,2-Dichloroethane
Concen: 20.536 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 62 Resp: 52756
Ion Ratio Lower Upper
62 100
98 8.8 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: 21.184 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

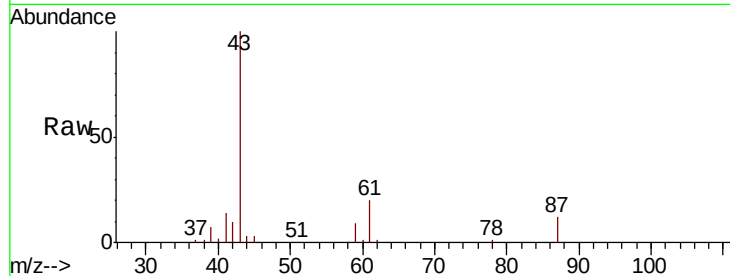
Tgt Ion: 43 Resp: 93545

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

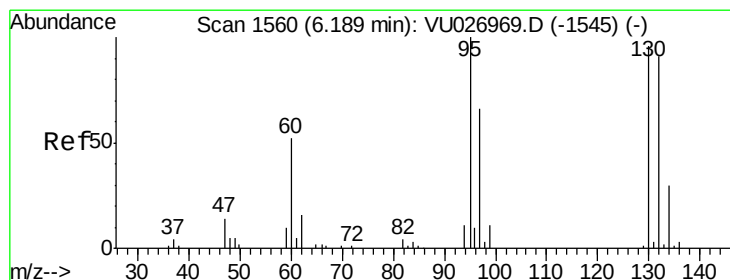
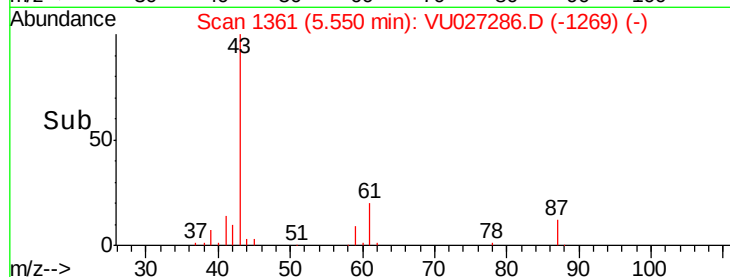
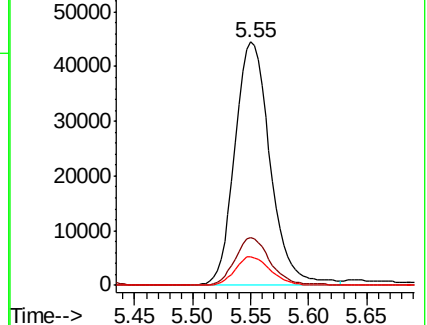
87 11.7 9.0 13.4



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: 21.926 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027286.D

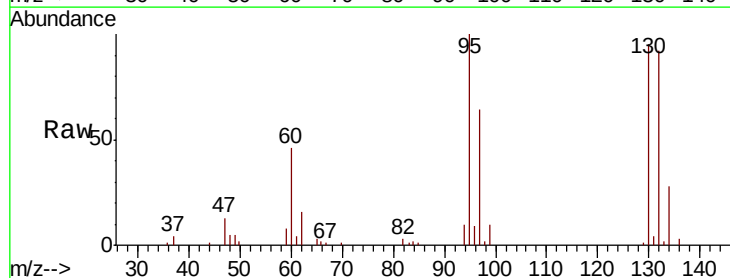
Acq: 28 Sep 2018 21:41

Tgt Ion: 130 Resp: 31738

Ion Ratio Lower Upper

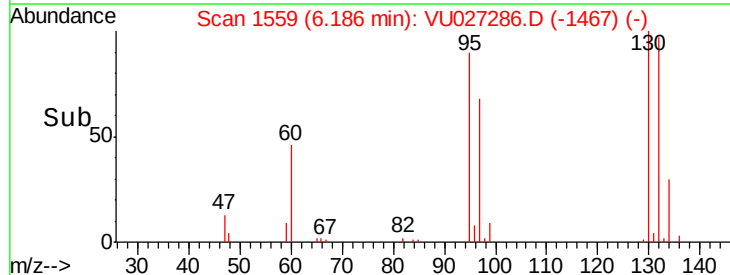
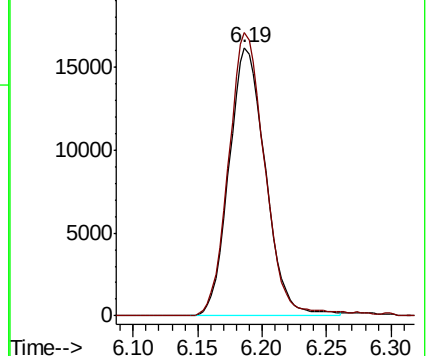
130 100

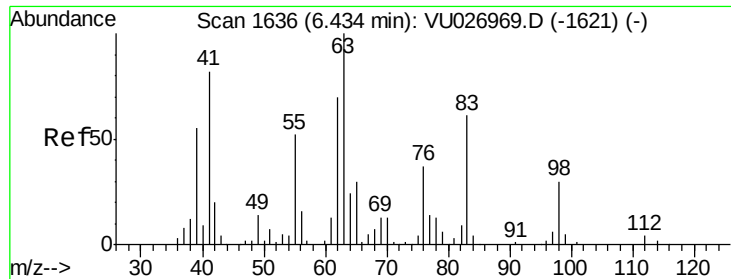
95 105.4 0.0 208.8



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

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

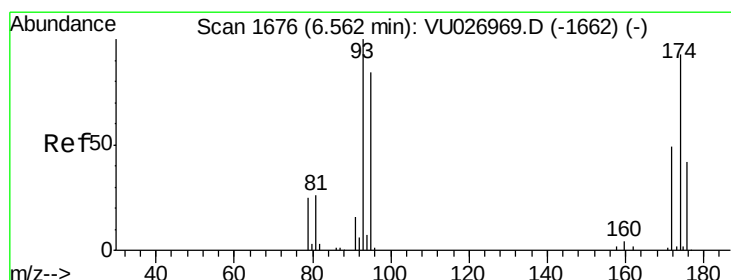
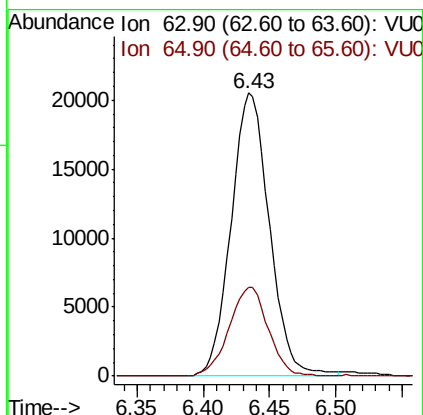
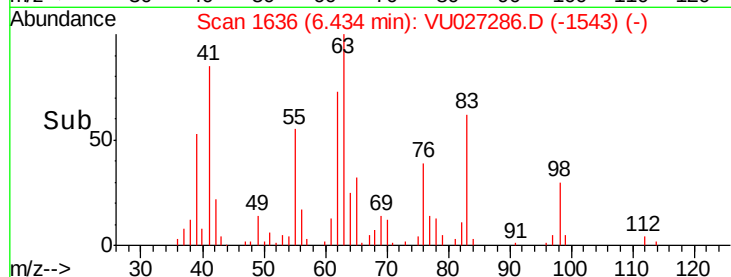
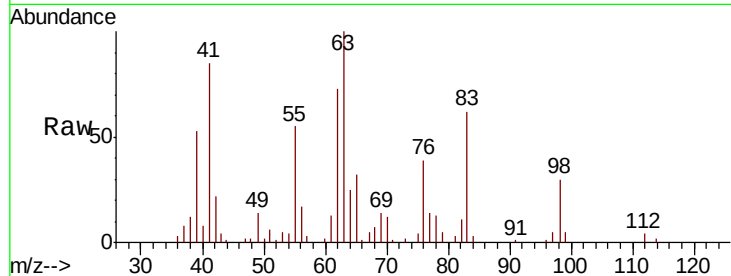




#45
 1,2-Dichloropropane
 Concen: 21.279 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

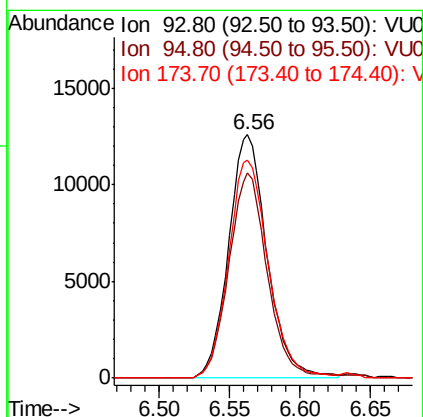
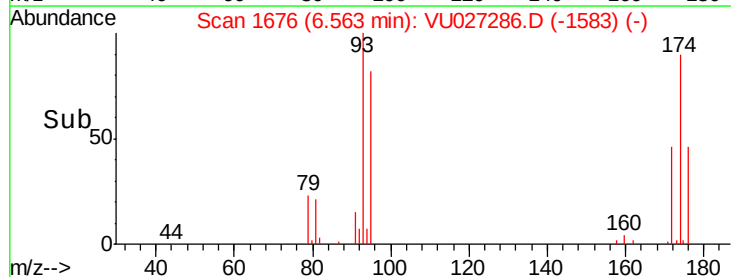
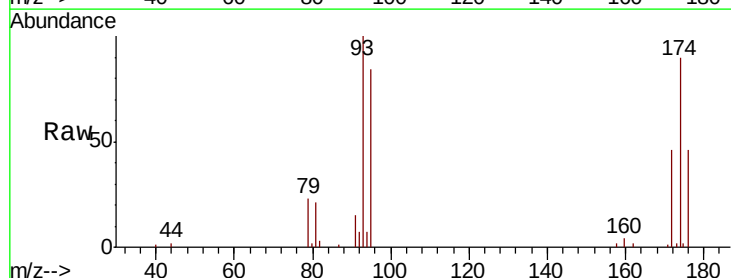
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

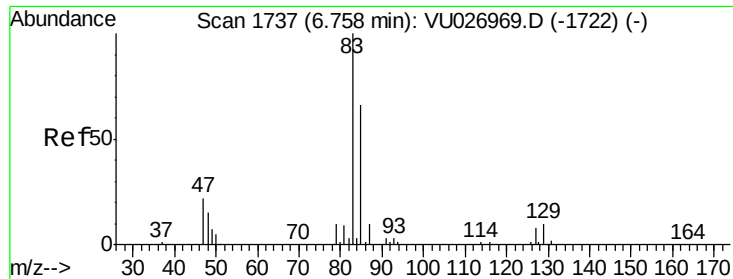
Tgt Ion: 63 Resp: 41226
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5



#46
 Dibromomethane
 Concen: 20.504 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 93 Resp: 23991
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.2 99.4
 174 92.7 71.7 107.5

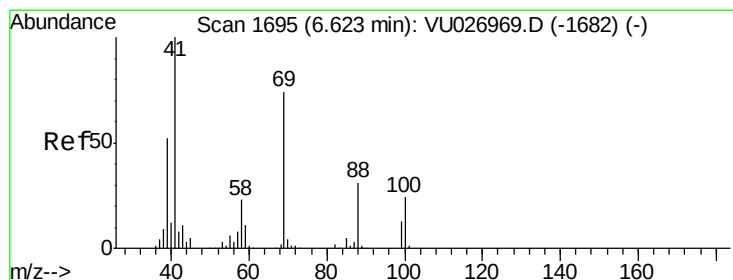
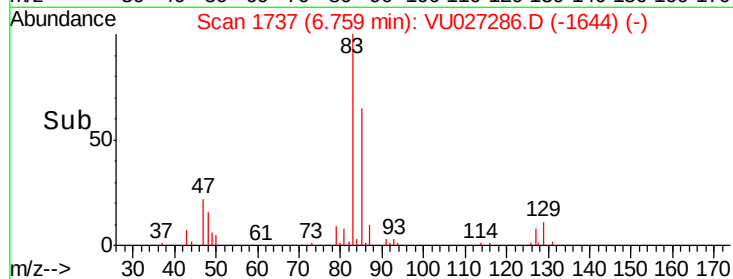
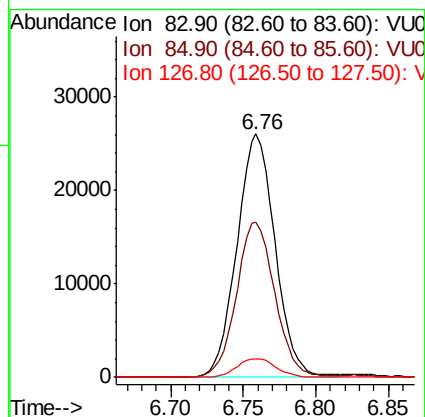
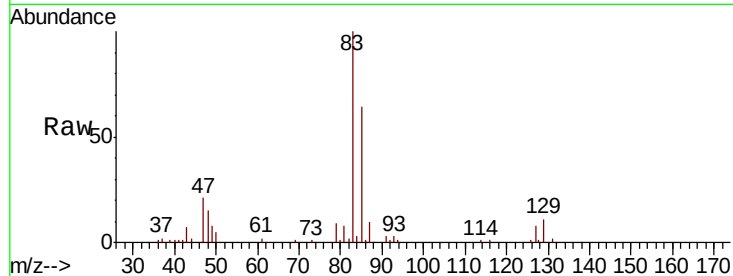




#47
 Bromodichloromethane
 Concen: 20.231 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

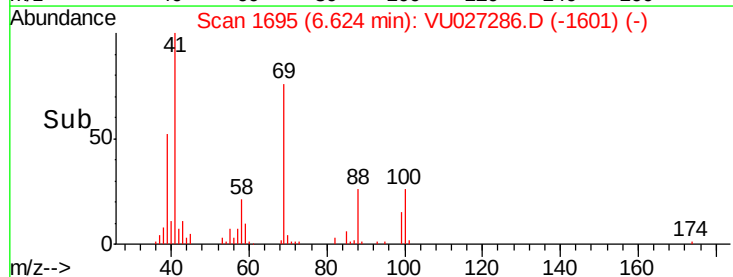
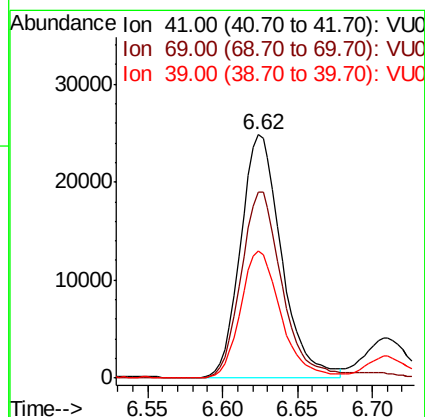
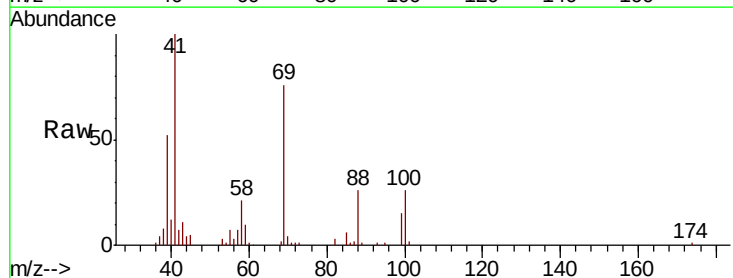
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

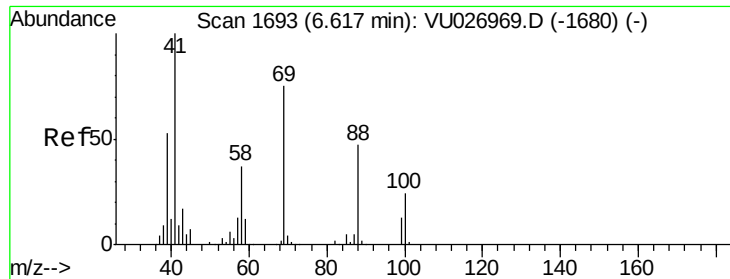
Tgt Ion: 83 Resp: 47866
 Ion Ratio Lower Upper
 83 100
 85 63.9 52.5 78.7
 127 7.8 6.3 9.5



#48
 Methyl methacrylate
 Concen: 20.320 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 41 Resp: 47363
 Ion Ratio Lower Upper
 41 100
 69 79.3 60.6 90.8
 39 51.3 42.8 64.2

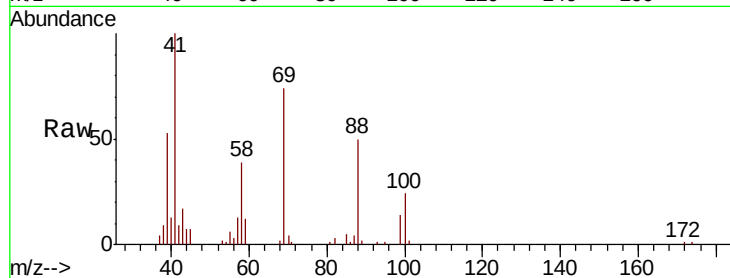




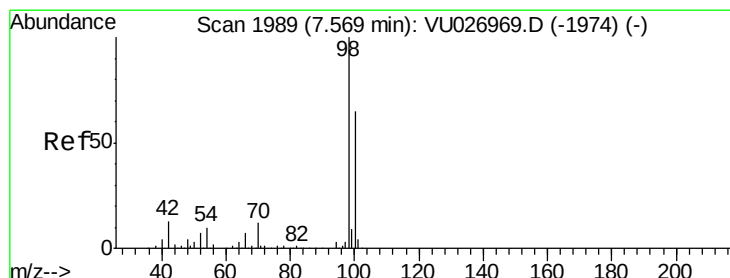
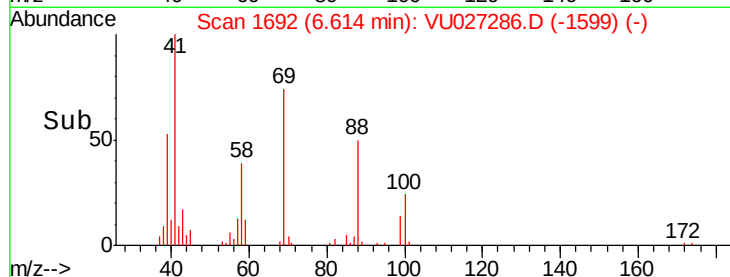
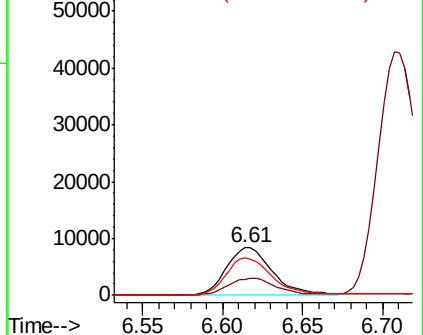
#49
1,4-Dioxane
Concen: 345.417 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tgt Ion: 88 Resp: 16541
Ion Ratio Lower Upper
88 100
43 38.5 29.8 44.8
58 79.3 63.9 95.9

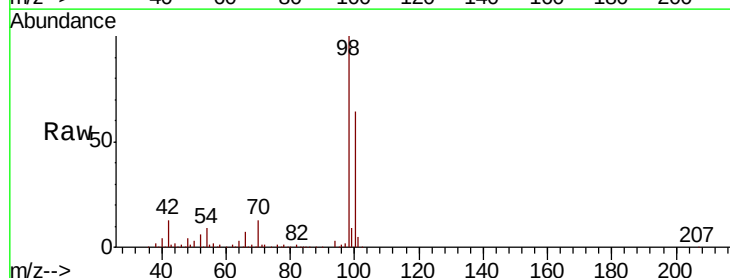


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

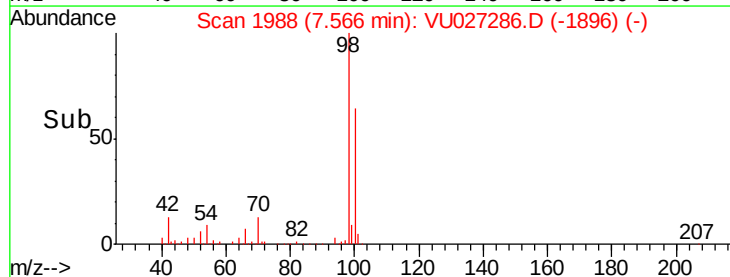
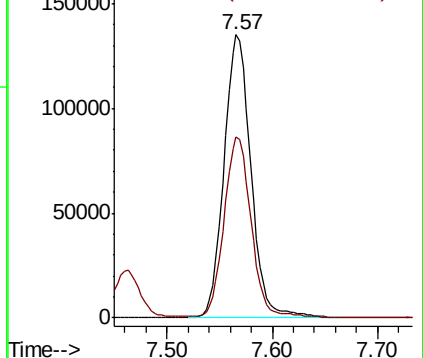


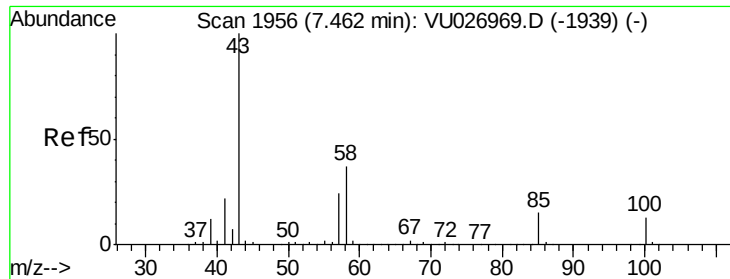
#50
Toluene-d8
Concen: 43.194 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 98 Resp: 239128
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 107.309 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

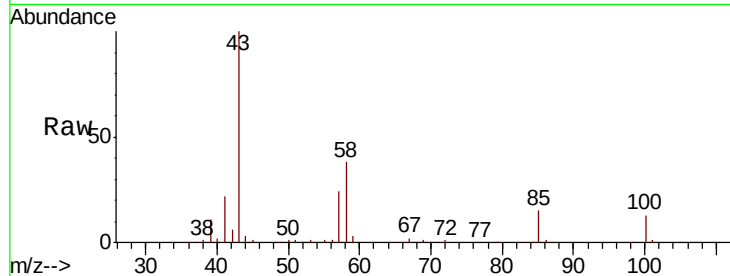
VU0928WBS03

Tgt Ion: 43 Resp: 318694

Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

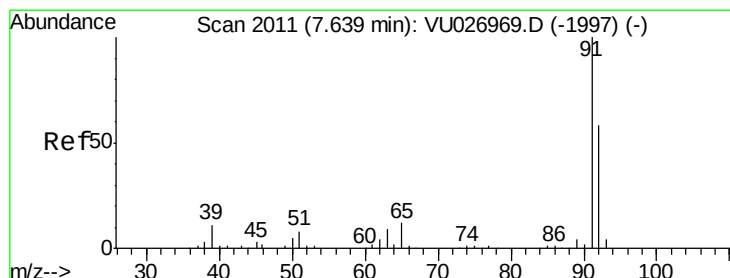
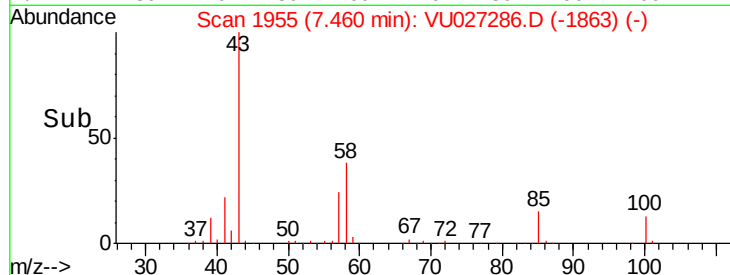
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.131 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027286.D

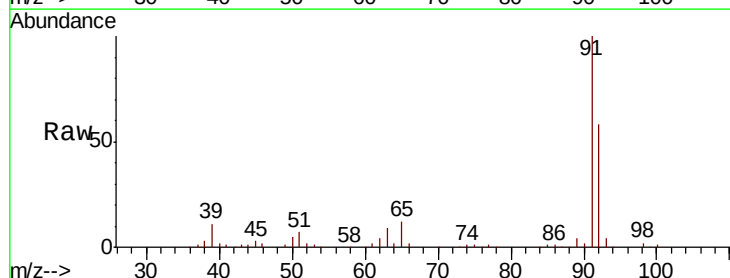
Acq: 28 Sep 2018 21:41

Tgt Ion: 92 Resp: 86255

Ion Ratio Lower Upper

92 100

91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

100000

80000

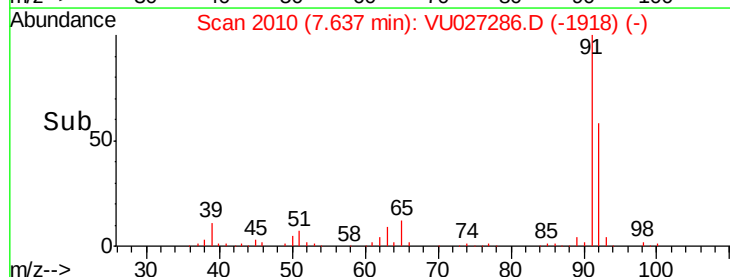
60000

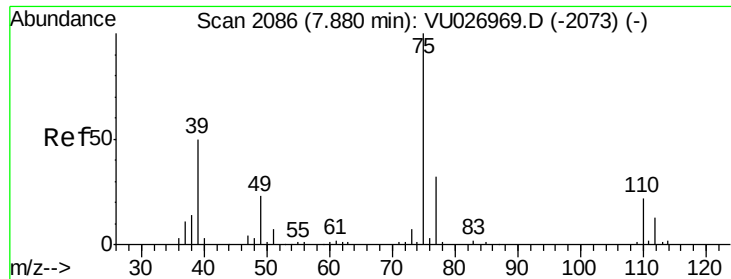
40000

20000

0

Time-->

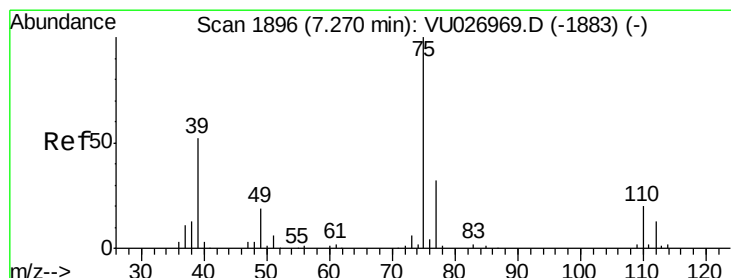
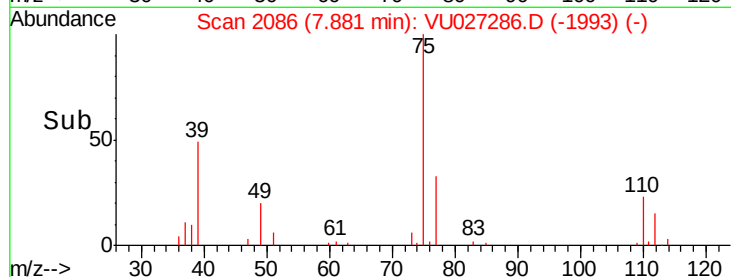
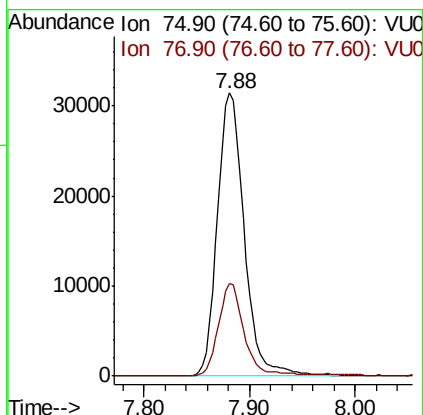
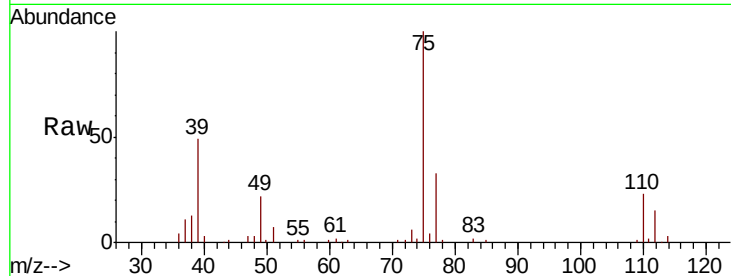




#53
t-1,3-Dichloropropene
Concen: 21.821 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

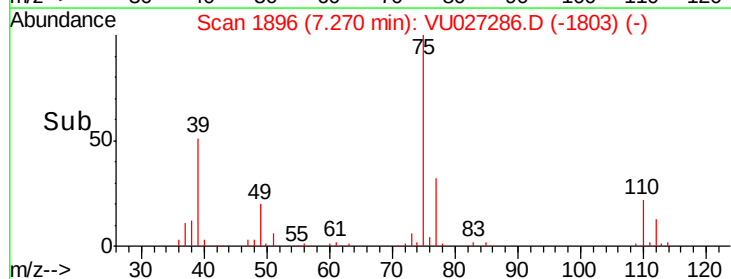
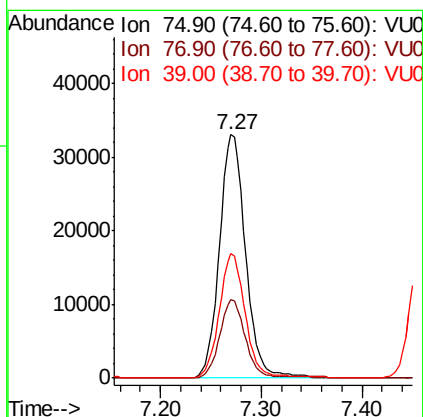
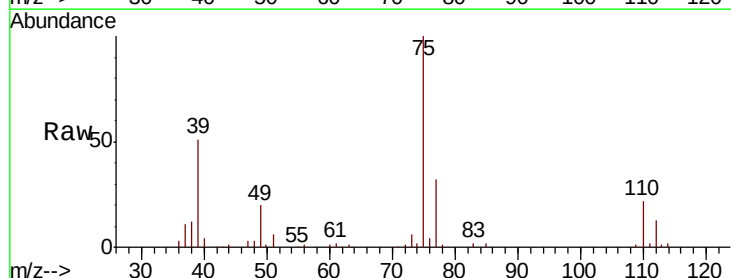
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

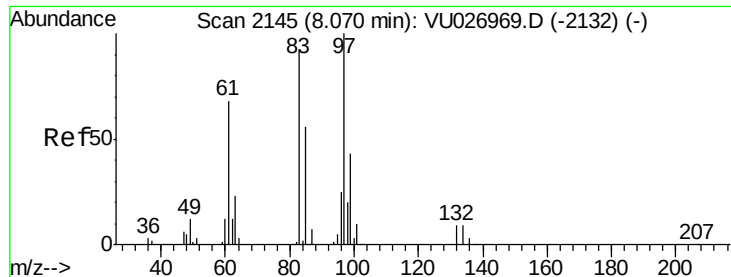
Tgt Ion: 75 Resp: 55469
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 21.519 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 75 Resp: 60147
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 51.1 41.6 62.4

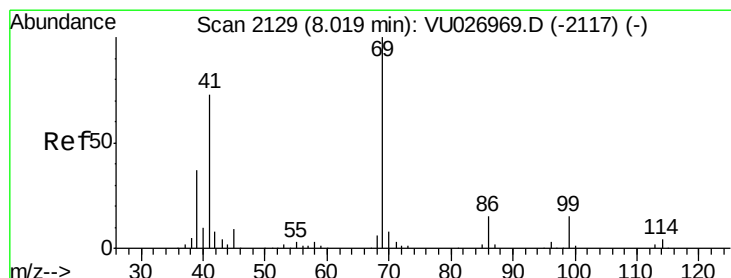
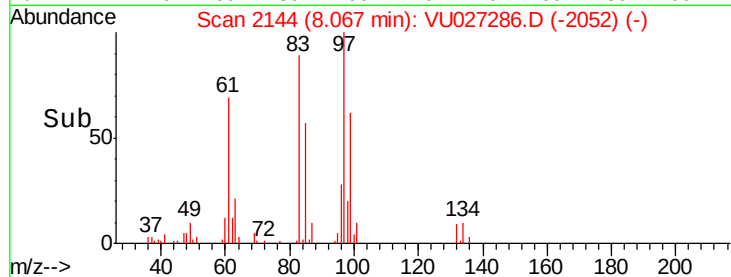
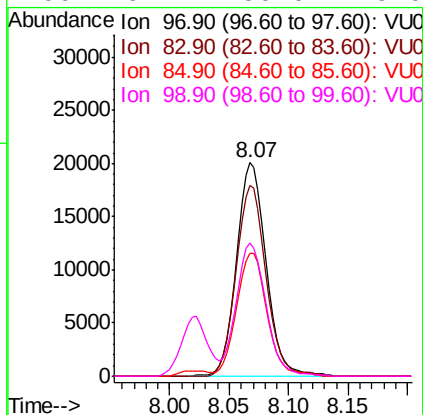
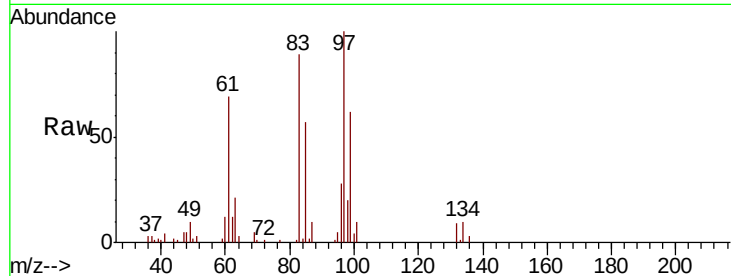




#55
 1,1,2-Trichloroethane
 Concen: 20.989 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

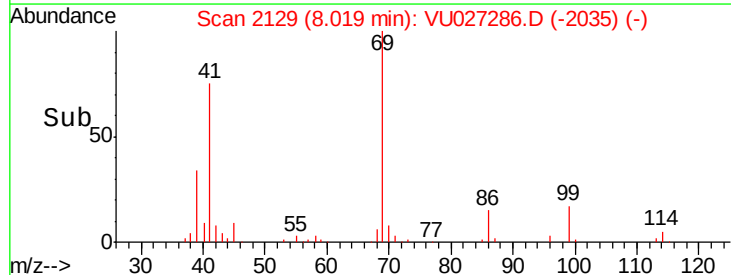
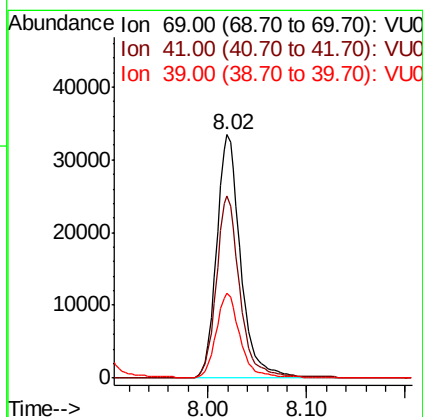
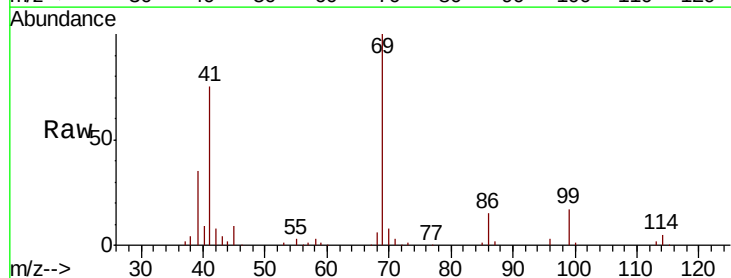
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

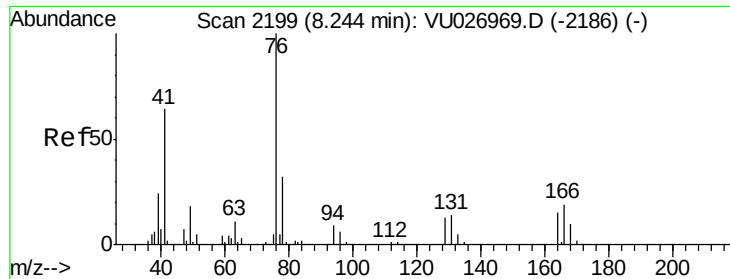
Tgt Ion:	97	Resp:	34662
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.1	109.7
85	57.5	46.7	70.1
99	62.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 21.282 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:	69	Resp:	57206
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.0	88.4
39	35.1	30.2	45.4





#57

1,3-Dichloropropane

Concen: 21.319 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

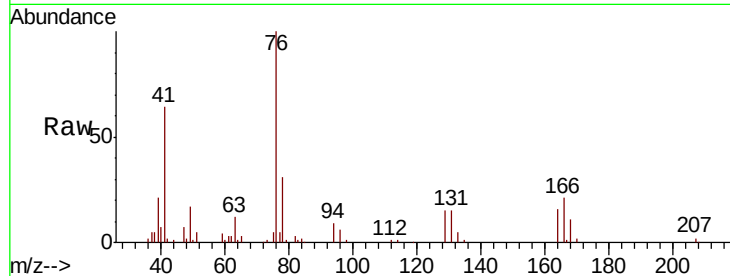
VU0928WBS03

Tgt Ion: 76 Resp: 65482

Ion Ratio Lower Upper

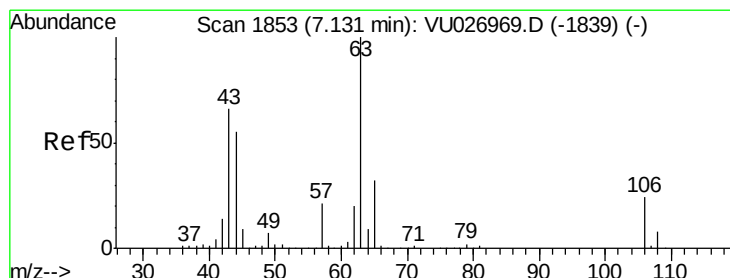
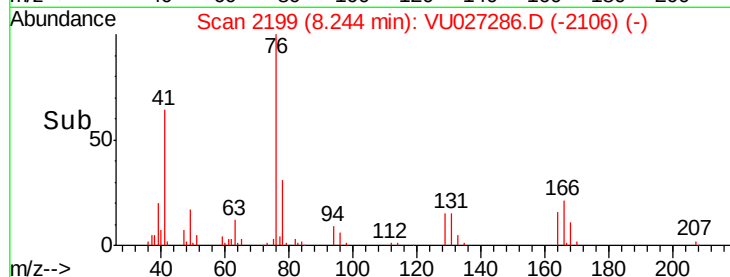
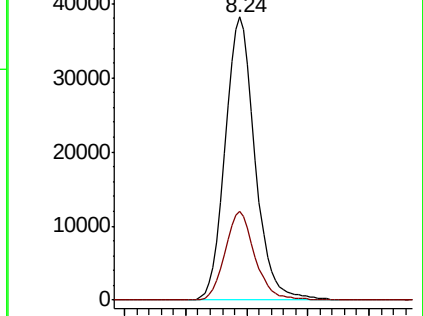
76 100

78 31.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 82.038 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027286.D

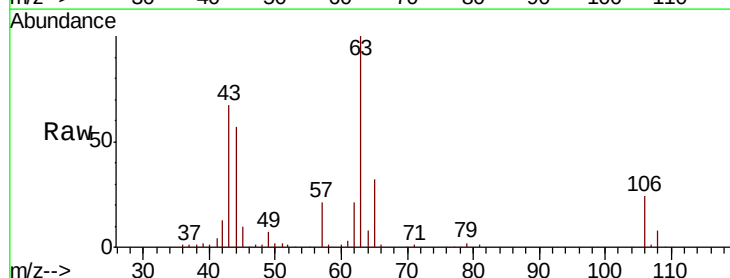
Acq: 28 Sep 2018 21:41

Tgt Ion: 63 Resp: 127992

Ion Ratio Lower Upper

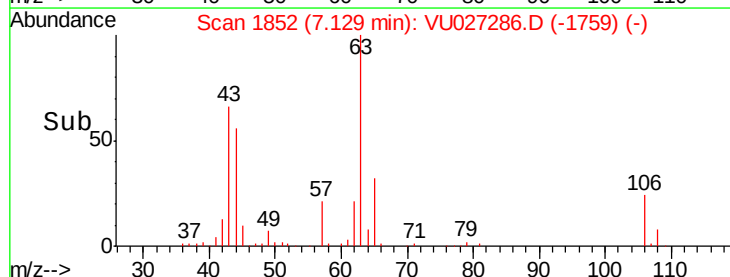
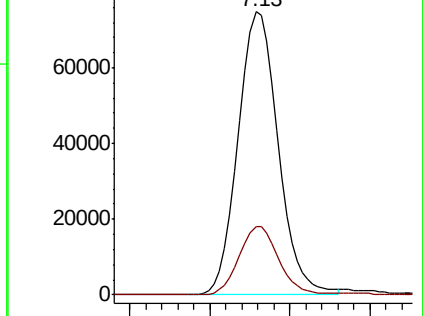
63 100

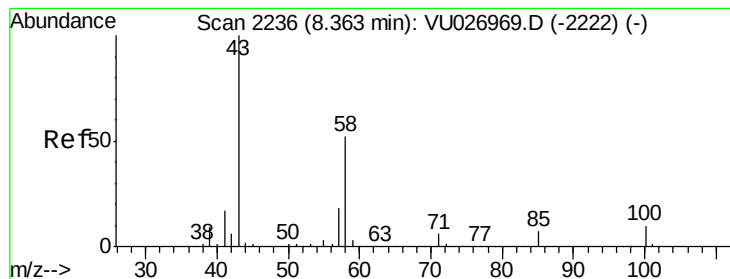
106 24.1 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 101.596 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

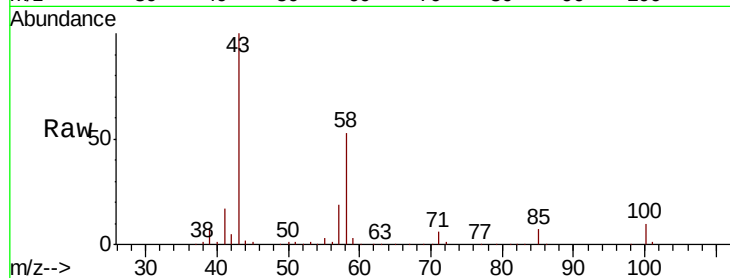
VU0928WBS03

Tgt Ion: 43 Resp: 236184

Ion Ratio Lower Upper

43 100

58 53.1 26.1 78.2



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-2222) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-2222) (-)

8.36

150000

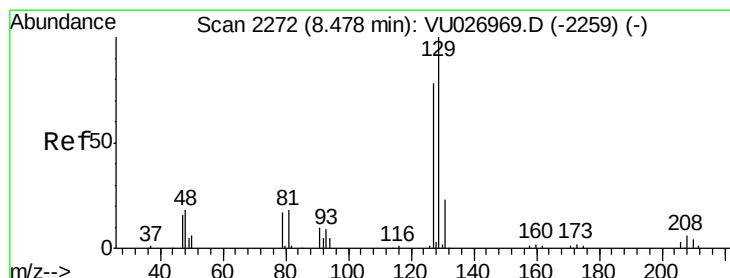
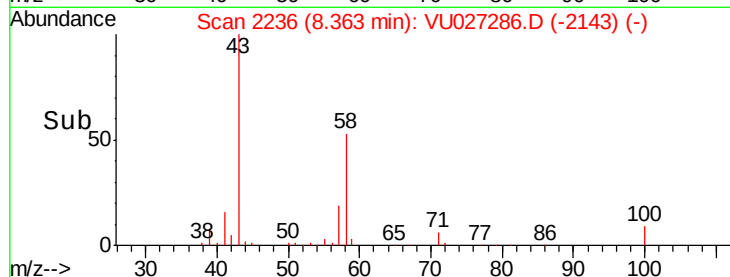
100000

50000

0

8.30 8.40 8.50

Time-->



#60

Dibromochloromethane

Concen: 21.164 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027286.D

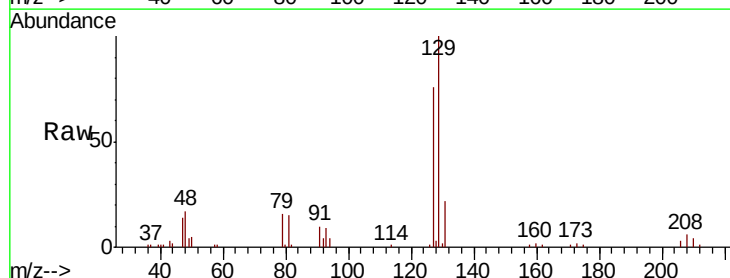
Acq: 28 Sep 2018 21:41

Tgt Ion: 129 Resp: 34284

Ion Ratio Lower Upper

129 100

127 77.4 38.1 114.5



Abundance Ion 128.80 (128.50 to 129.50): VU026969.D (-2259) (-)

Ion 126.80 (126.50 to 127.50): VU026969.D (-2259) (-)

8.48

20000

15000

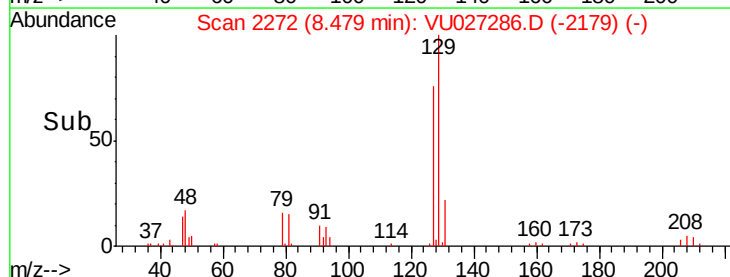
10000

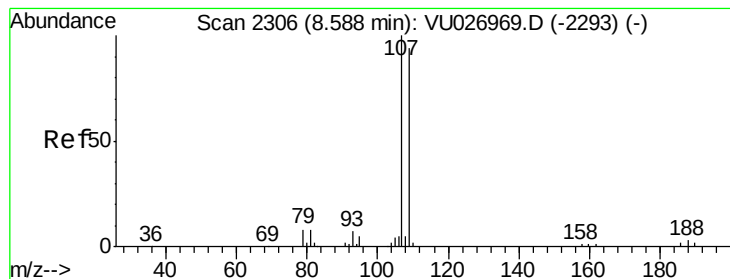
5000

0

8.40 8.45 8.50 8.55

Time-->





#61

1,2-Dibromoethane

Concen: 21.292 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

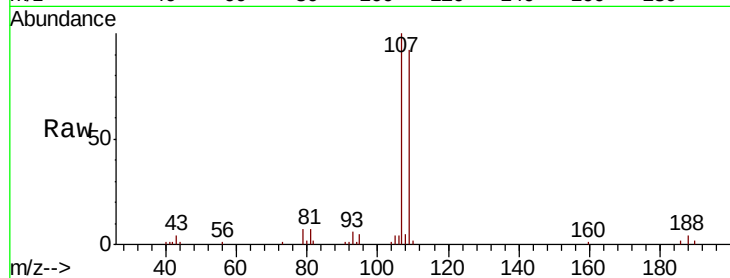
VU0928WBS03

Tgt Ion: 107 Resp: 36585

Ion Ratio Lower Upper

107 100

109 93.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

25000

20000

15000

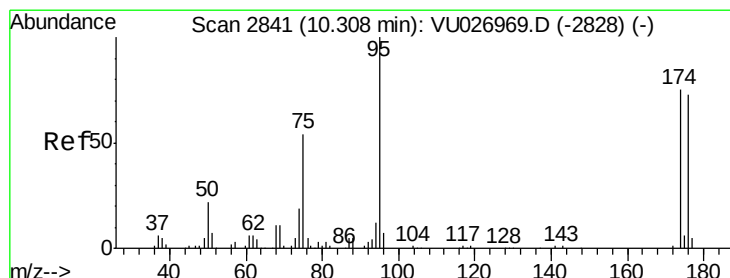
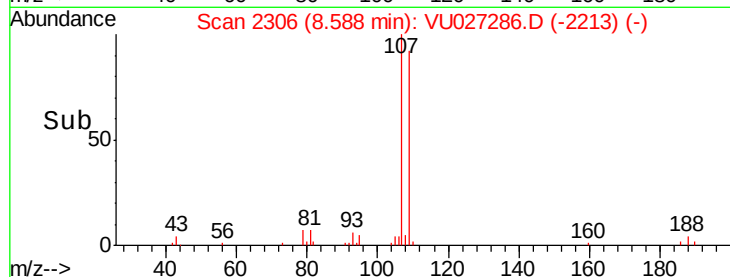
10000

5000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 46.701 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

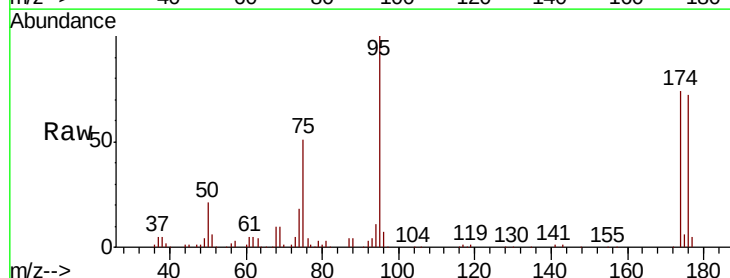
Tgt Ion: 95 Resp: 88714

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

176 73.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

60000

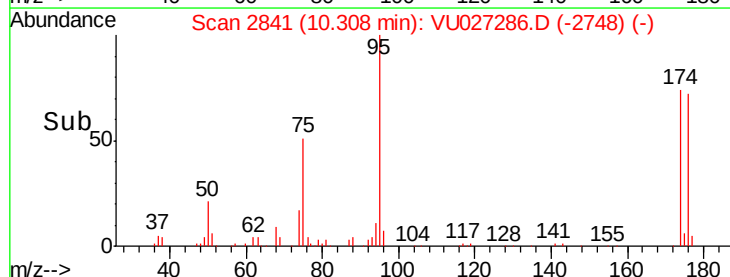
40000

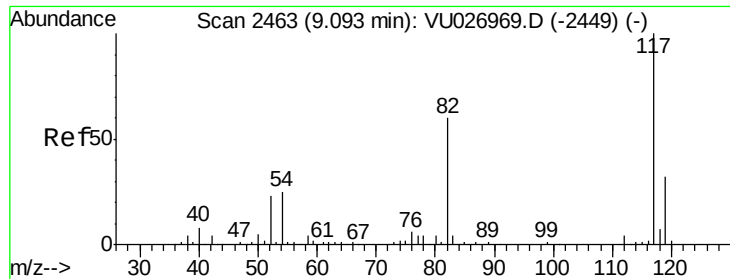
20000

0

Time-->

10.30 10.40

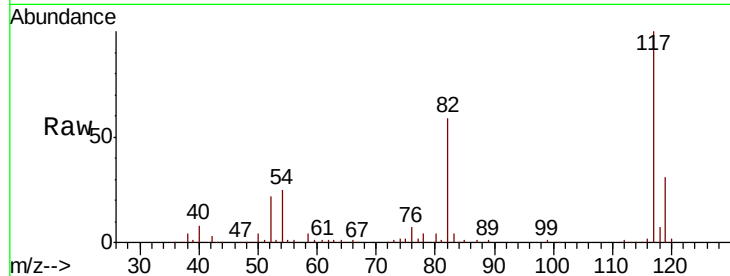




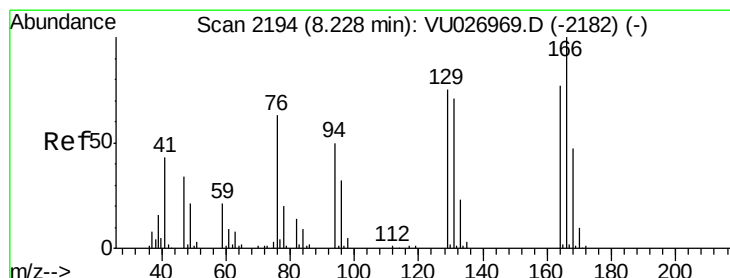
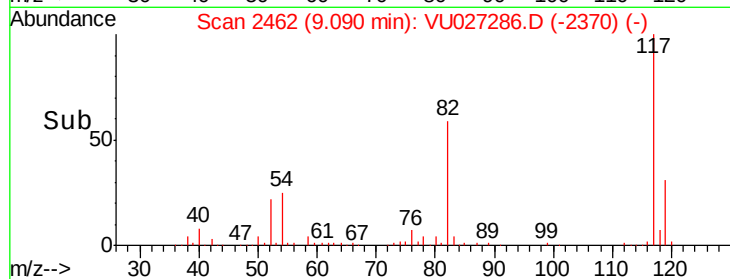
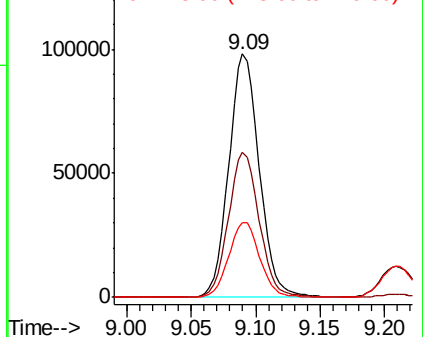
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tgt Ion:117 Resp: 161189
Ion Ratio Lower Upper
117 100
82 59.4 48.0 72.0
119 30.7 25.8 38.8



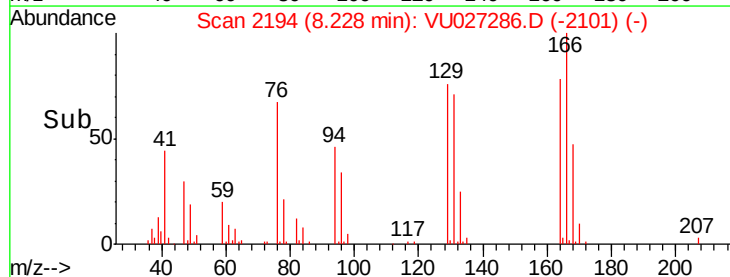
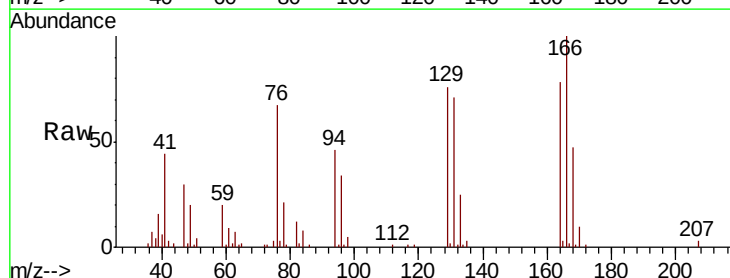
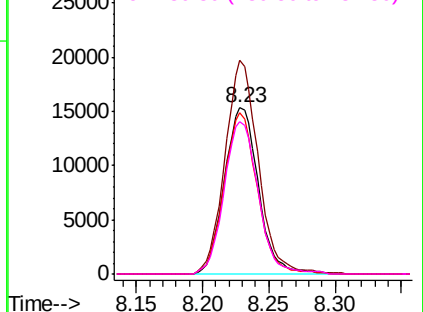
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

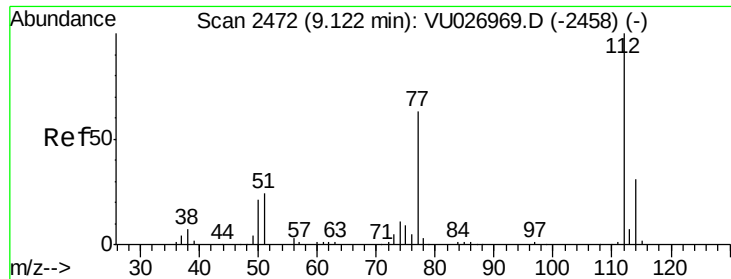


#64
Tetrachloroethene
Concen: 22.093 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:164 Resp: 27441
Ion Ratio Lower Upper
164 100
166 128.6 104.4 156.6
129 97.3 78.7 118.1
131 91.6 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

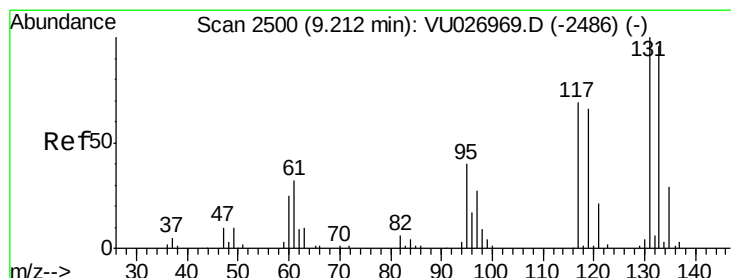
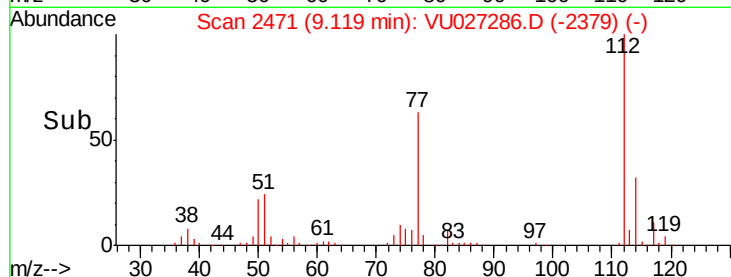
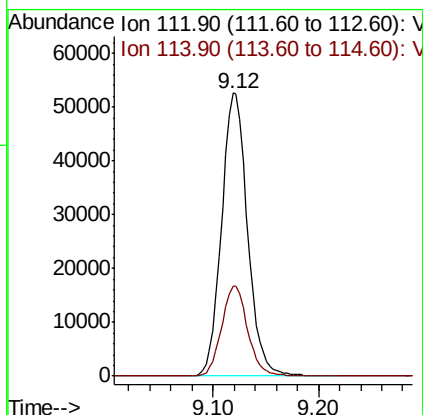
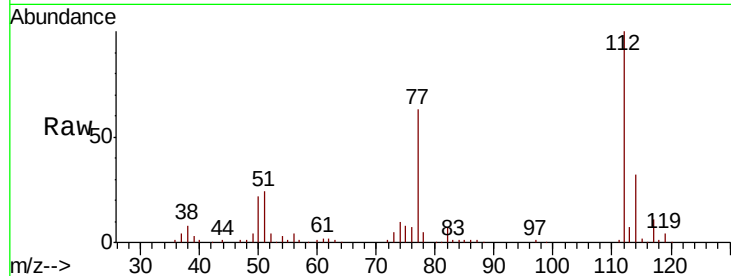




#65
Chlorobenzene
Concen: 20.929 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

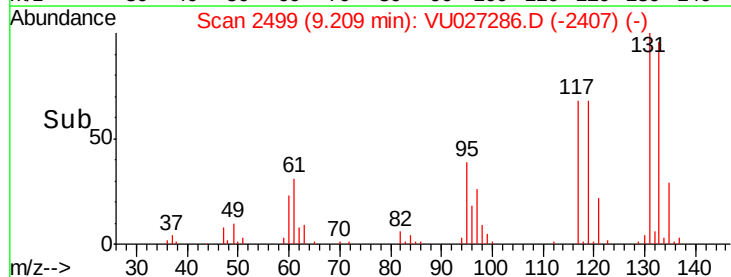
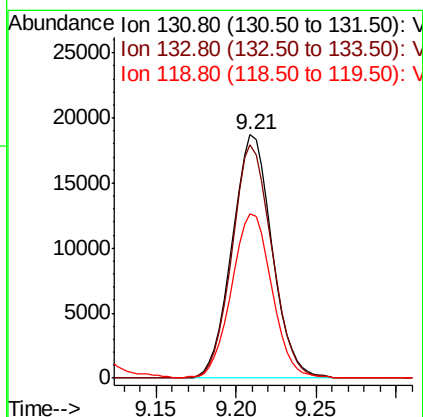
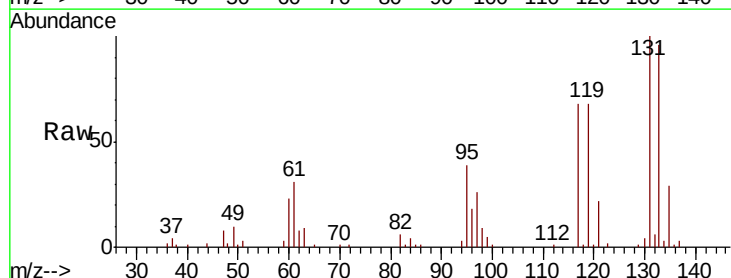
Instrument :
MSVOA_U
ClientSampled :
VU0928WBS03

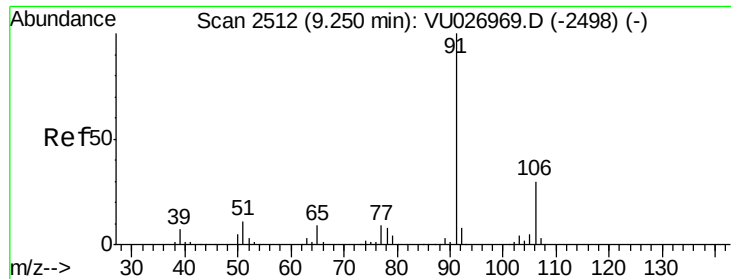
Tgt Ion:112 Resp: 89451
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.624 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:131 Resp: 31833
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.2
119 68.2 33.4 100.1

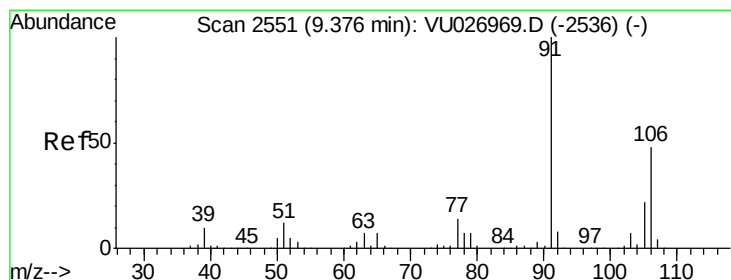
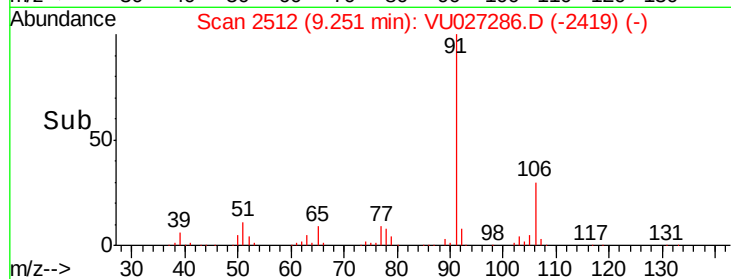
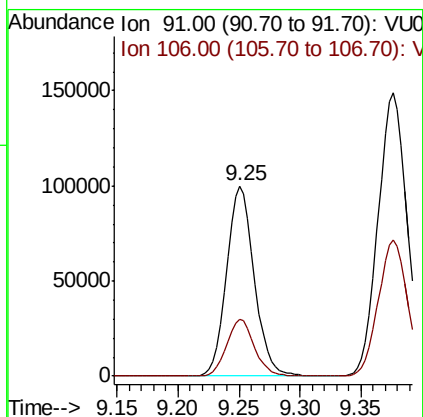
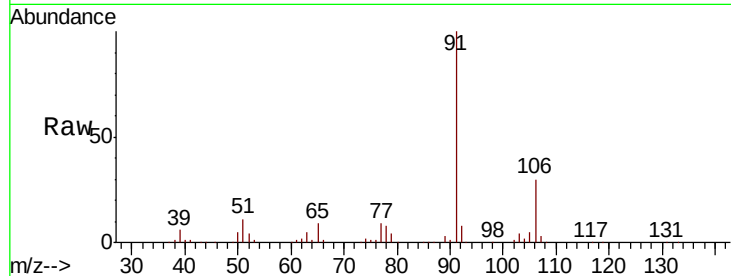




#67
Ethyl Benzene
Concen: 22.591 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

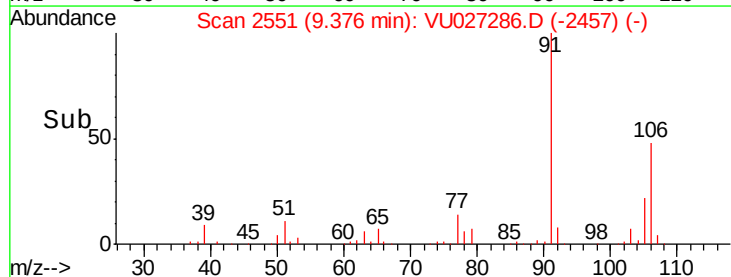
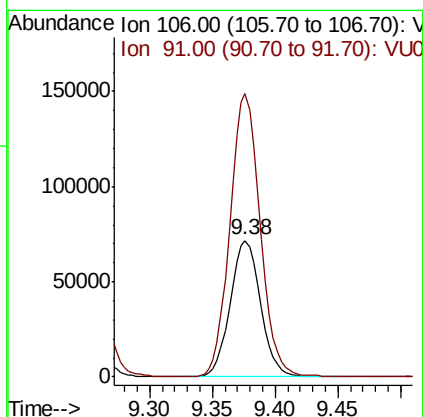
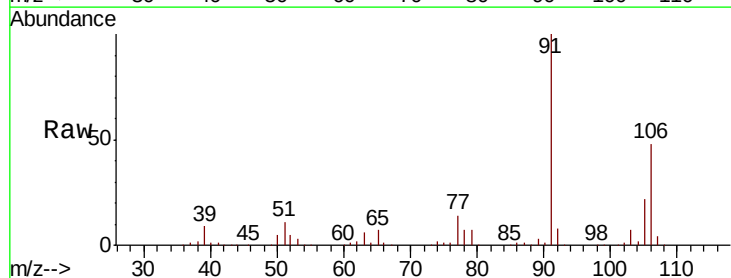
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

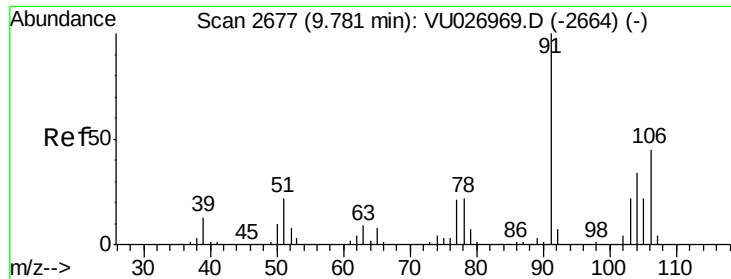
Tgt Ion: 91 Resp: 158767
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 43.102 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 106 Resp: 120213
Ion Ratio Lower Upper
106 100
91 206.3 166.5 249.7

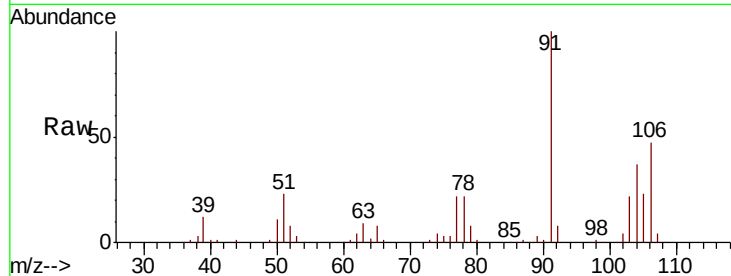




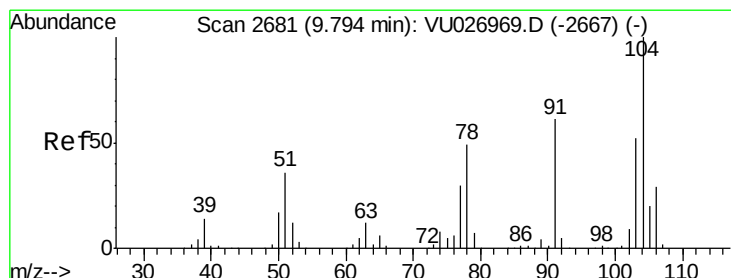
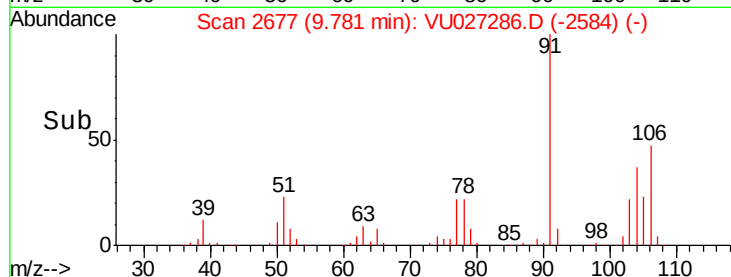
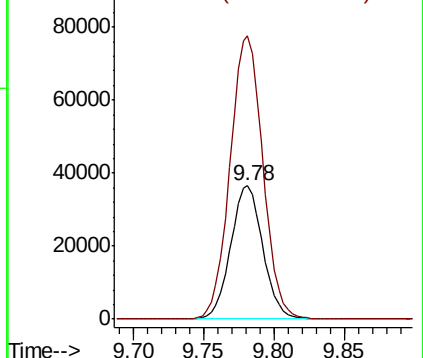
#69
o-Xylene
Concen: 23.356 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampled :
VU0928WBS03

Tgt Ion:106 Resp: 58160
Ion Ratio Lower Upper
106 100
91 217.1 110.2 330.6

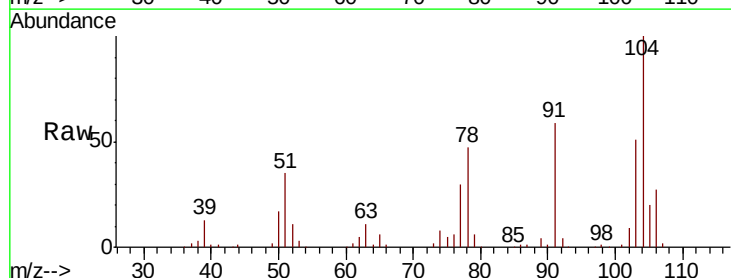


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

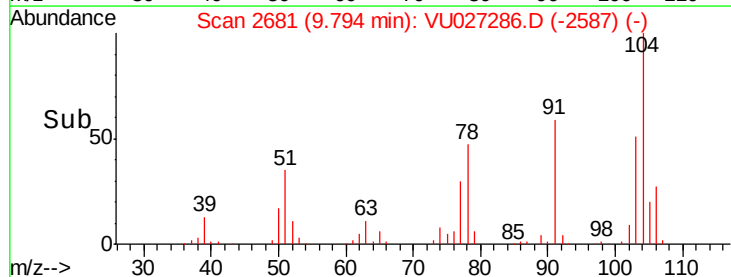
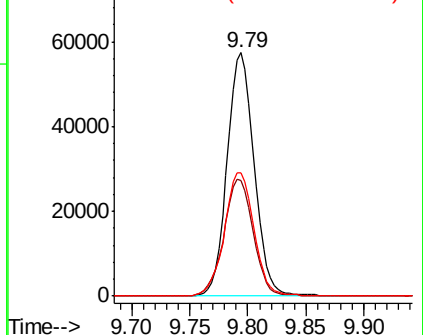


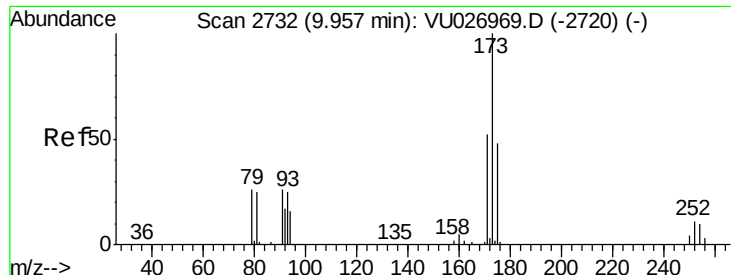
#70
Styrene
Concen: 21.055 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:104 Resp: 92838
Ion Ratio Lower Upper
104 100
78 52.3 43.0 64.4
103 55.5 44.1 66.1



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





#71

Bromoform

Concen: 21.596 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

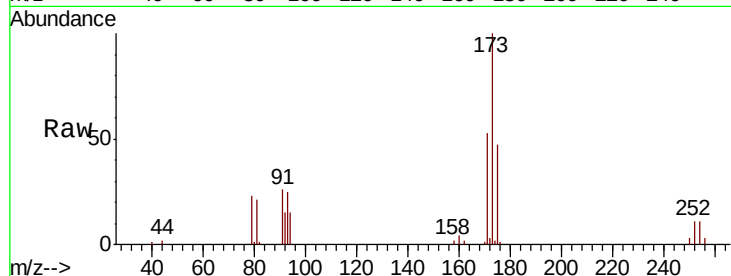
Tgt Ion:173 Resp: 24585

Ion Ratio Lower Upper

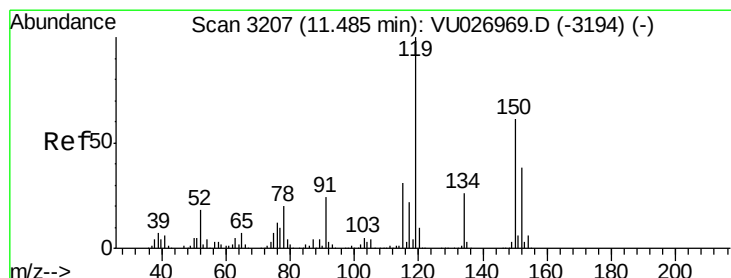
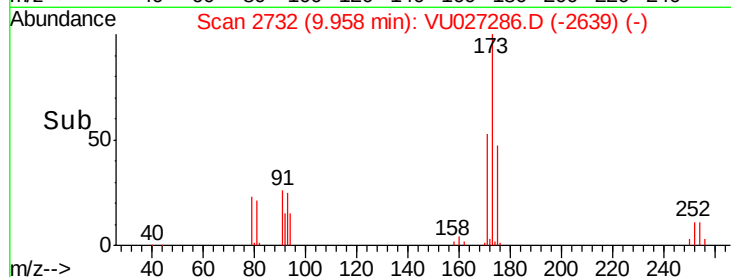
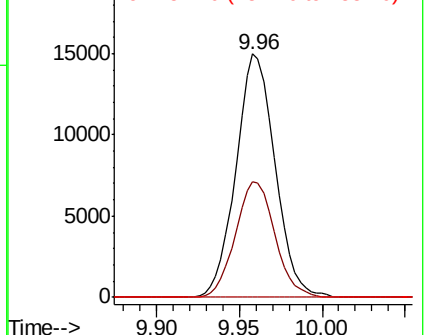
173 100

175 48.0 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: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

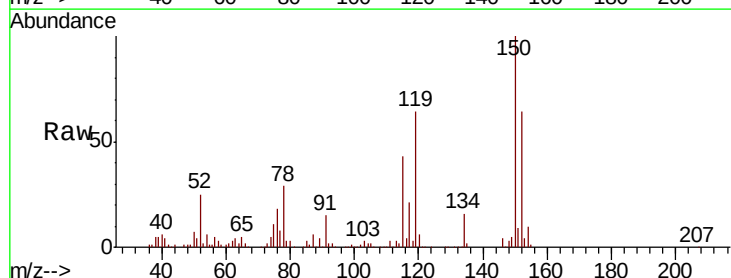
Tgt Ion:152 Resp: 86328

Ion Ratio Lower Upper

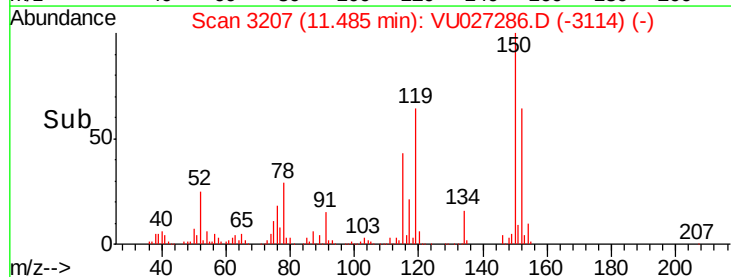
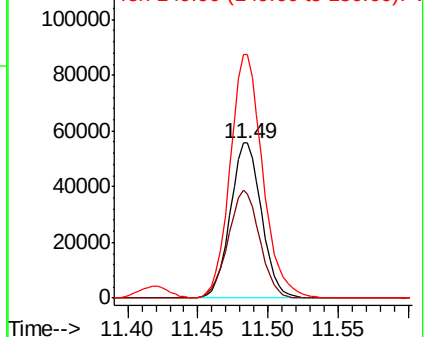
152 100

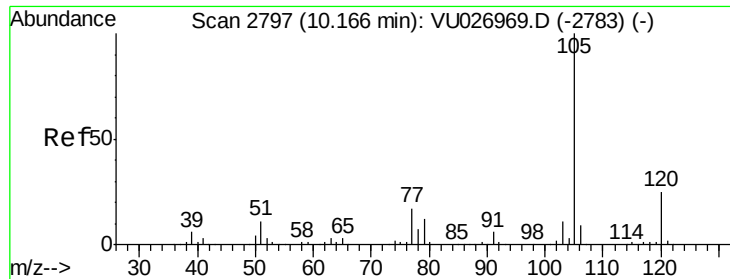
115 70.2 44.9 134.5

150 163.4 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: 23.706 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

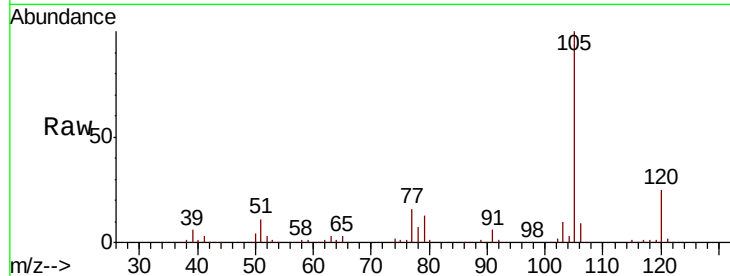
VU0928WBS03

Tgt Ion: 105 Resp: 155676

Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

100000

80000

60000

40000

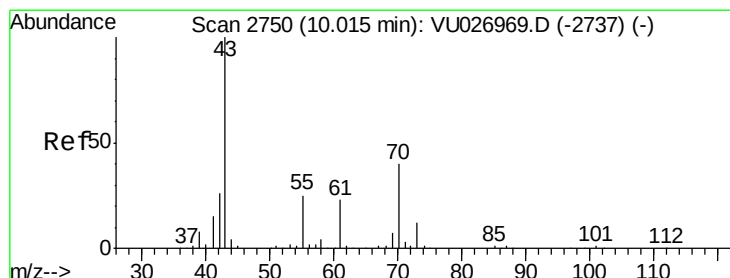
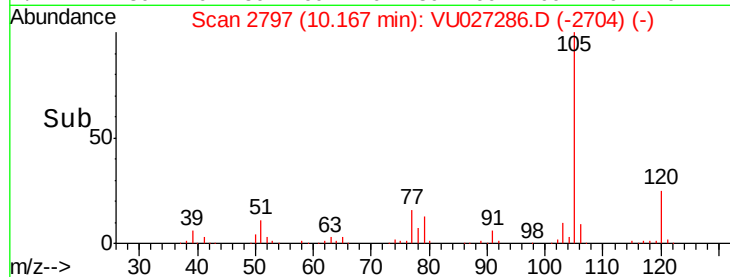
20000

0

Time-->

10.10

10.20



#74

N-ethyl acetate

Concen: 21.798 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion: 43 Resp: 82860

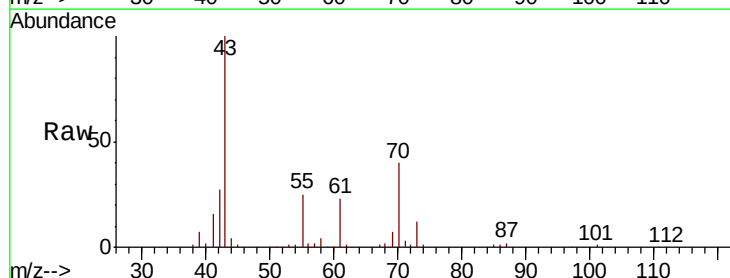
Ion Ratio Lower Upper

43 100

70 39.1 31.8 47.8

55 24.4 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

10.01

80000

60000

40000

20000

0

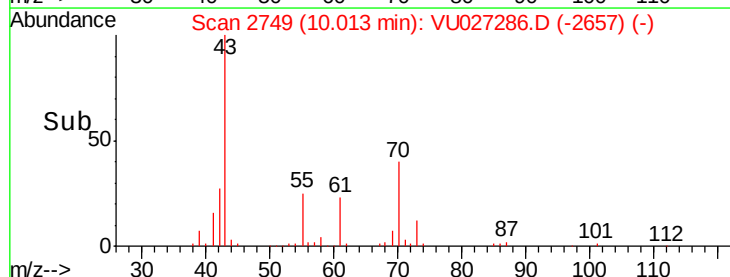
Time-->

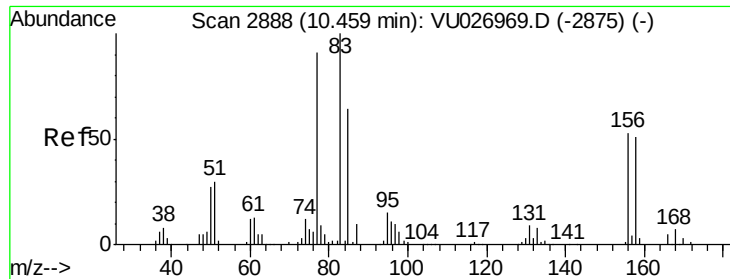
9.95

10.00

10.05

10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.714 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

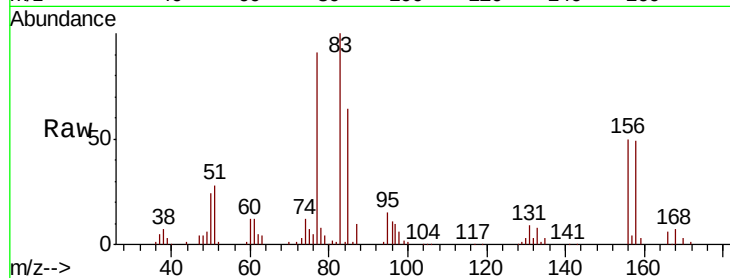
Tgt Ion: 83 Resp: 59523

Ion Ratio Lower Upper

83 100

131 8.7 4.3 12.8

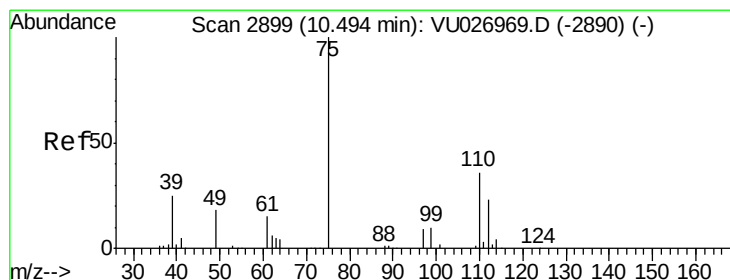
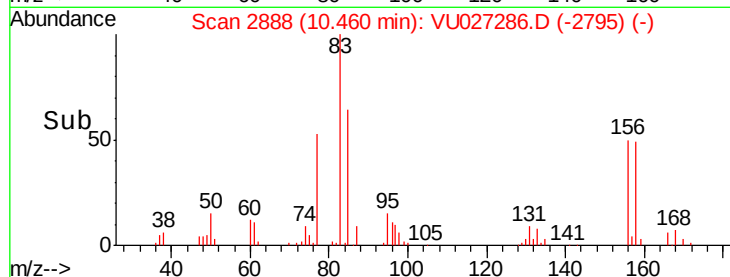
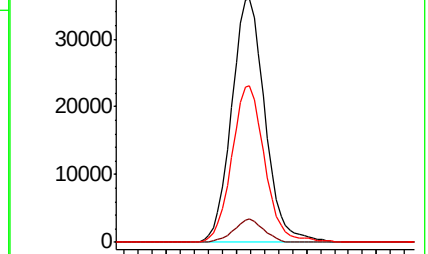
85 63.3 31.9 95.7



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

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

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



#76

1,2,3-Trichloropropane

Concen: 25.257 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027286.D

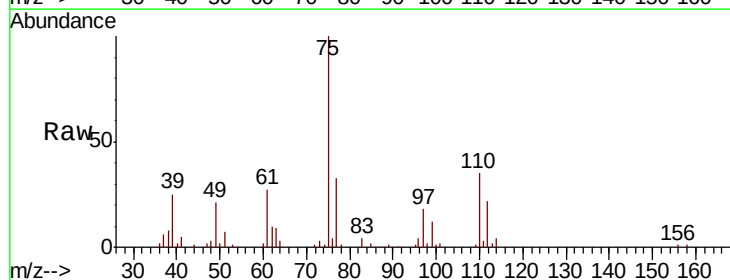
Acq: 28 Sep 2018 21:41

Tgt Ion: 75 Resp: 66240

Ion Ratio Lower Upper

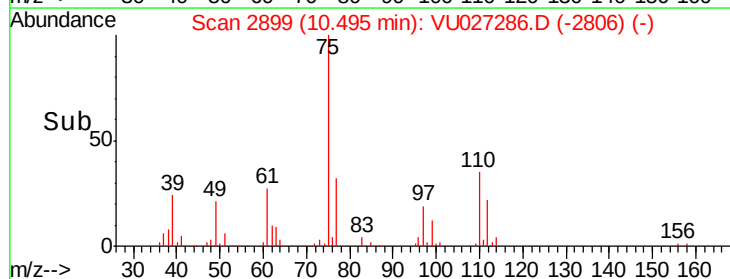
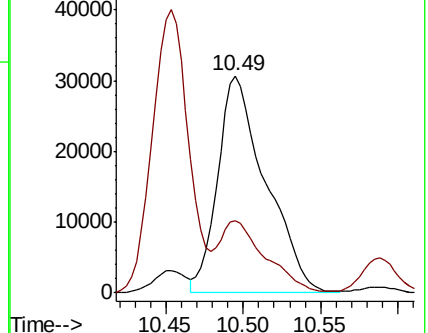
75 100

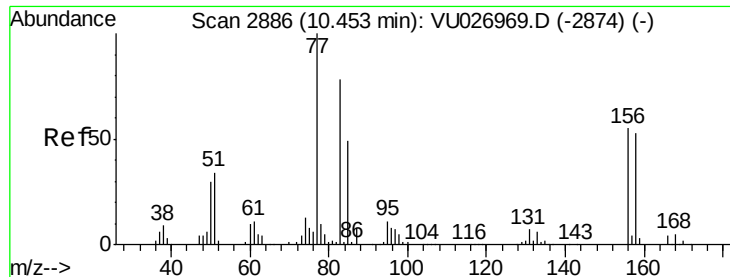
77 31.9 20.9 62.8



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

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





#77

Bromobenzene

Concen: 22.485 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

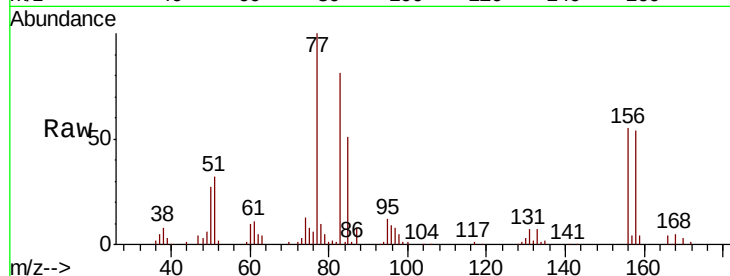
Tgt Ion:156 Resp: 36083

Ion Ratio Lower Upper

156 100

77 182.2 92.3 276.9

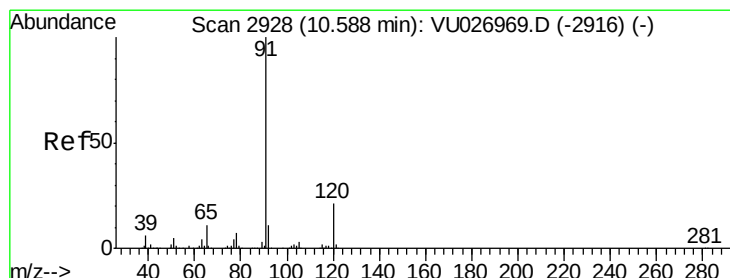
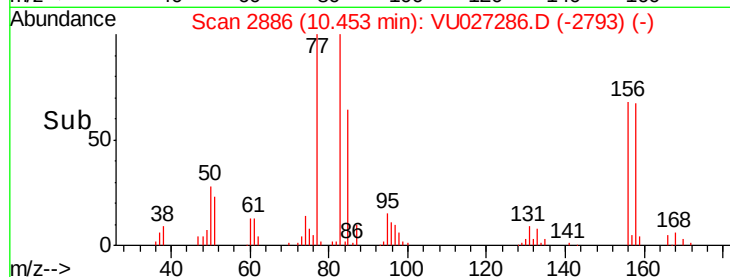
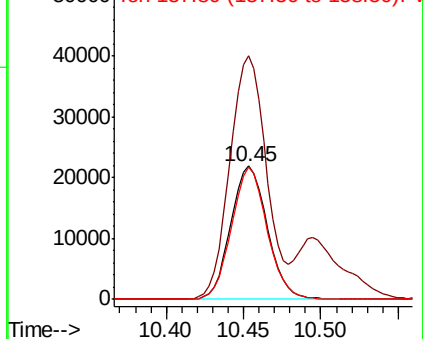
158 95.6 48.1 144.3



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: 23.255 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027286.D

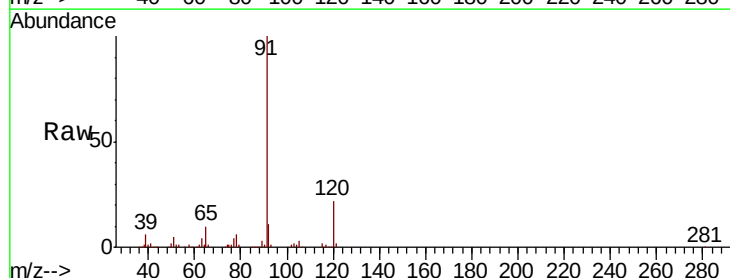
Acq: 28 Sep 2018 21:41

Tgt Ion: 91 Resp: 180693

Ion Ratio Lower Upper

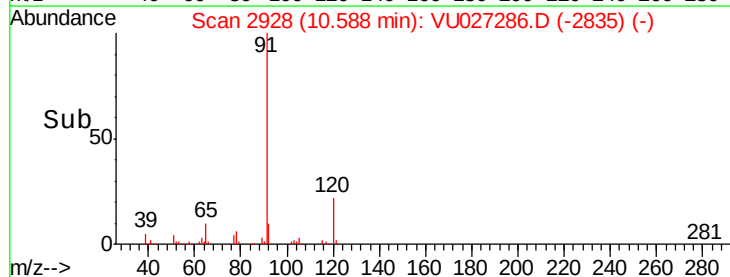
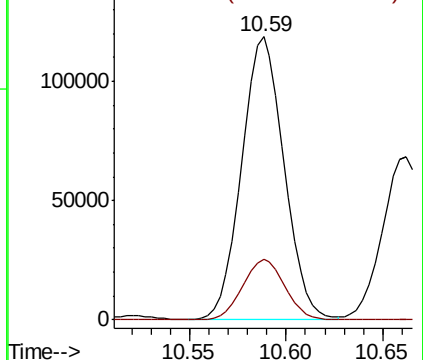
91 100

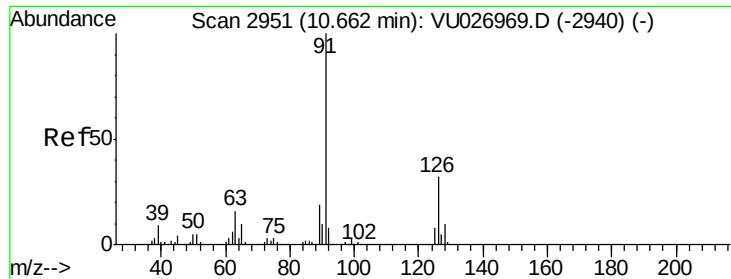
120 21.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

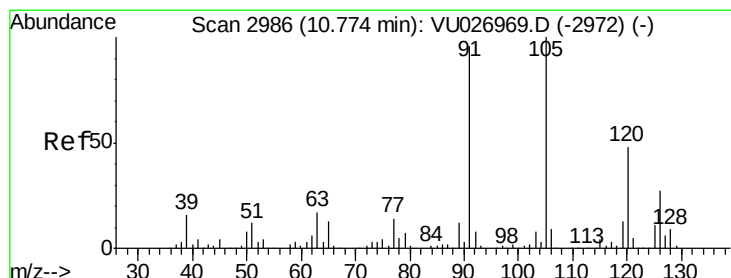
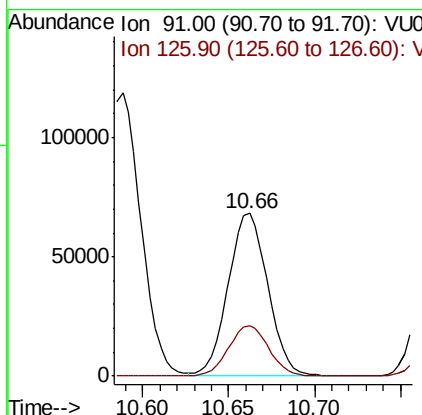
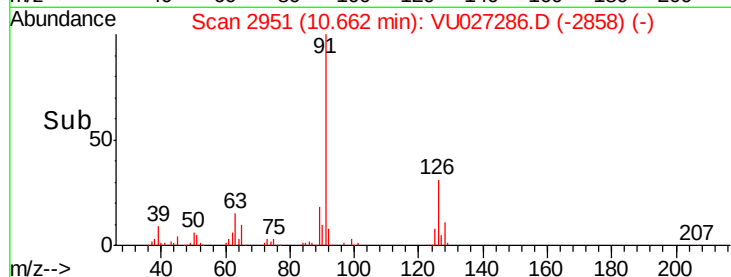
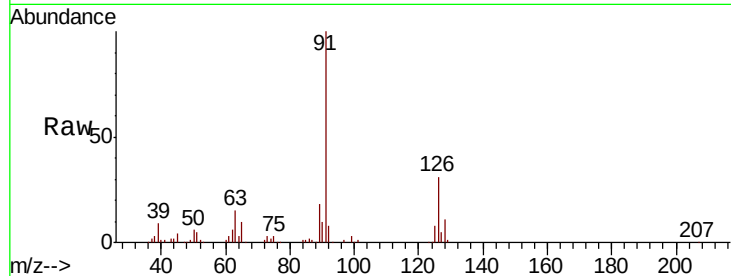




#79
 2-Chlorotoluene
 Concen: 22.218 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

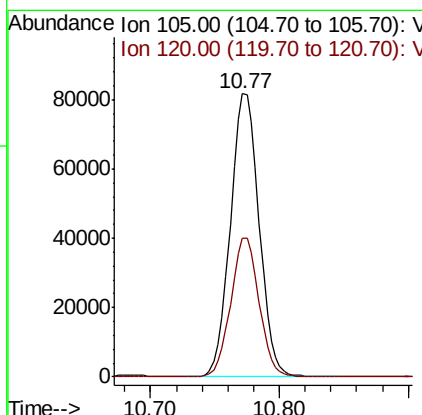
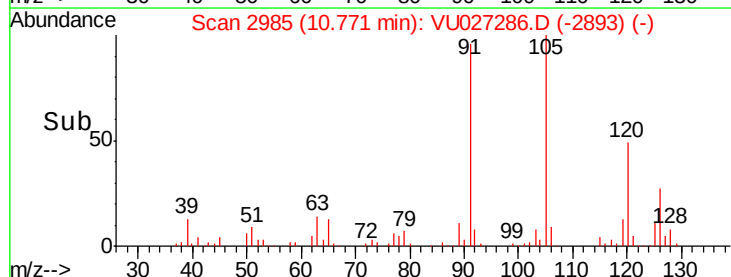
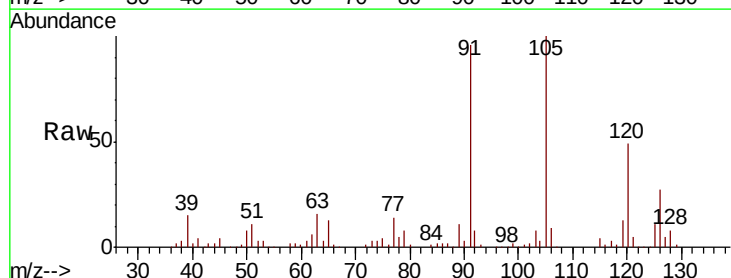
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

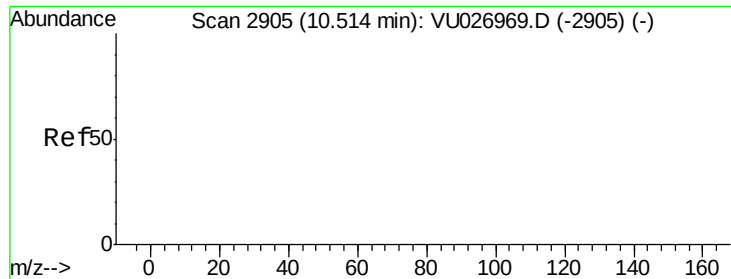
Tgt Ion: 91 Resp: 108437
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.307 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 105 Resp: 126341
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.9 71.7

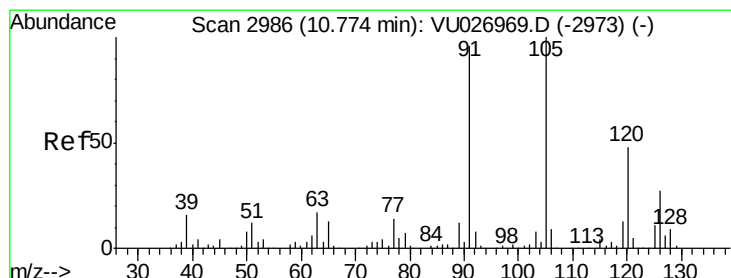
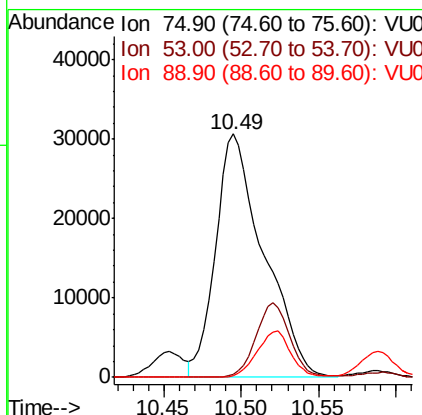
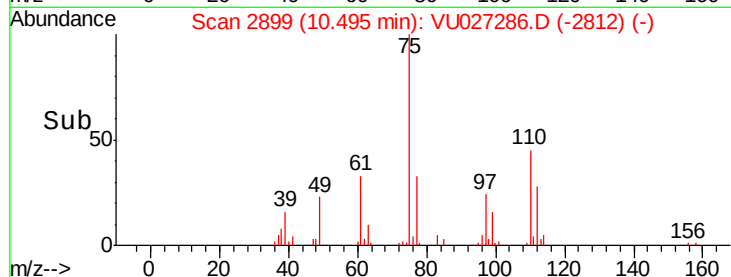
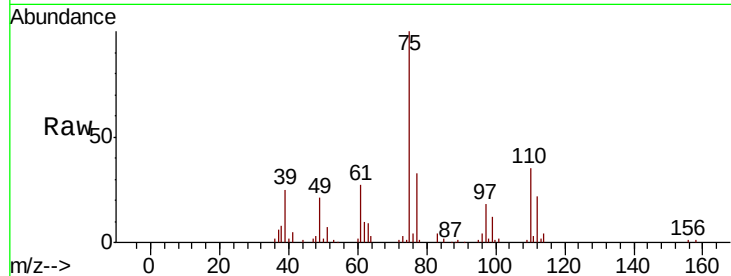




#81
trans-1,4-Dichloro-2-butene
Concen: 80.827 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

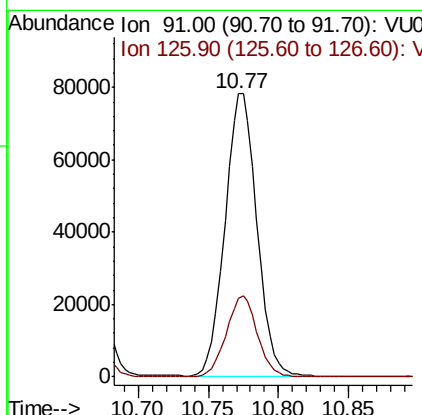
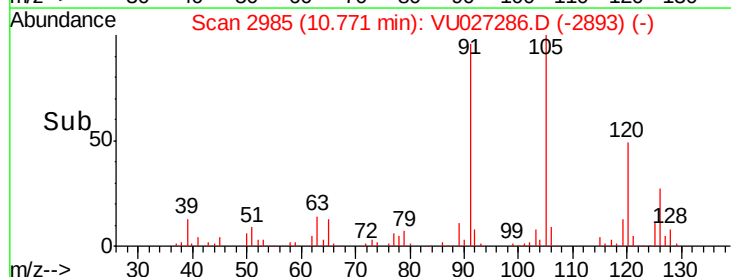
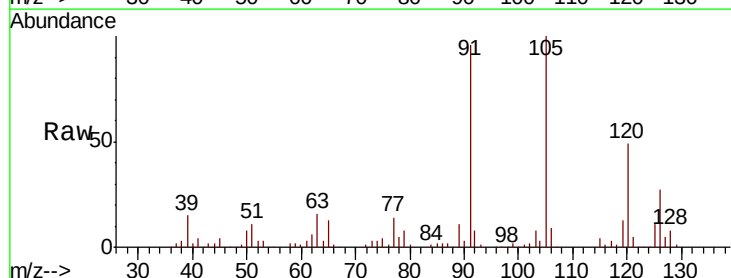
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

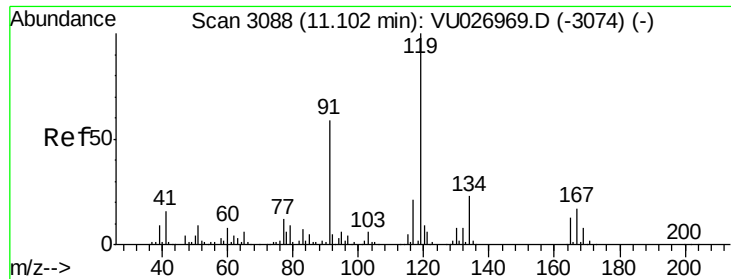
Tgt Ion: 75 Resp: 66240
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.471 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 91 Resp: 122972
Ion Ratio Lower Upper
91 100
126 28.0 14.1 42.2

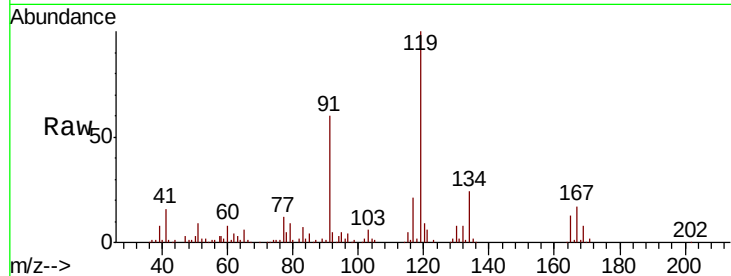




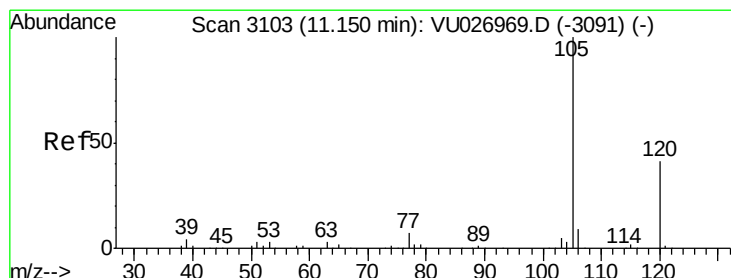
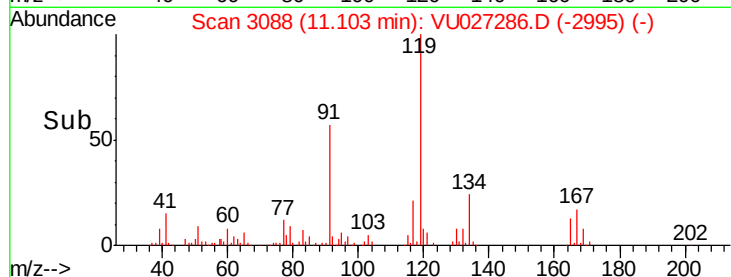
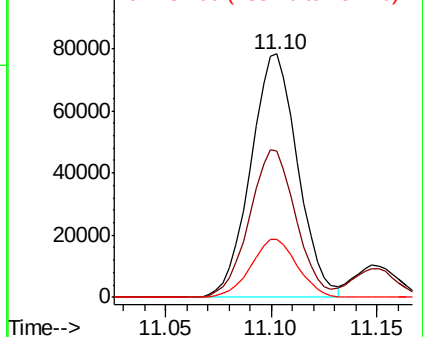
#83
 tert-Butylbenzene
 Concen: 22.692 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tgt Ion:119 Resp: 121614
 Ion Ratio Lower Upper
 119 100
 91 59.8 29.8 89.4
 134 23.5 11.5 34.4

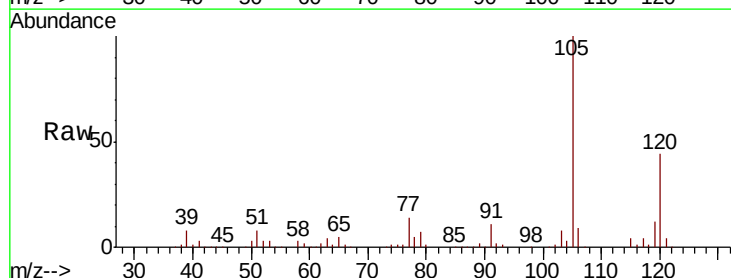


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

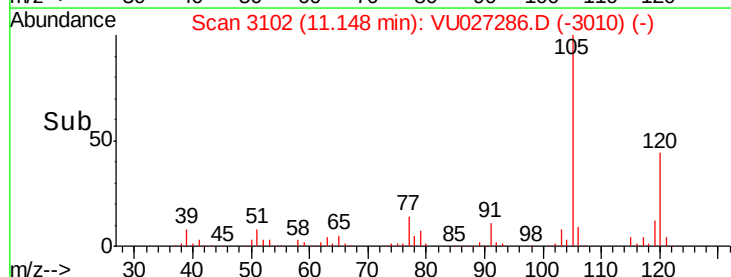
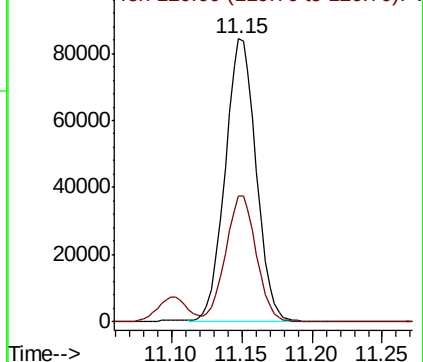


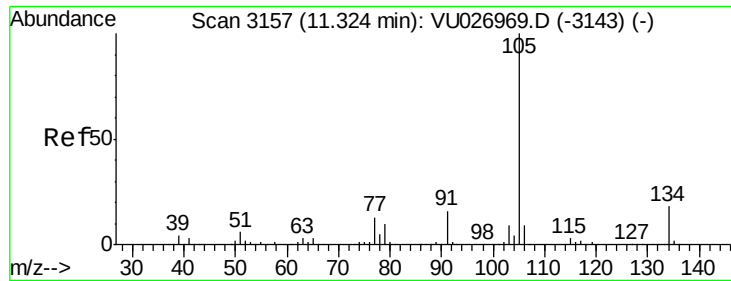
#84
 1,2,4-Trimethylbenzene
 Concen: 23.503 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:105 Resp: 129659
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2



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

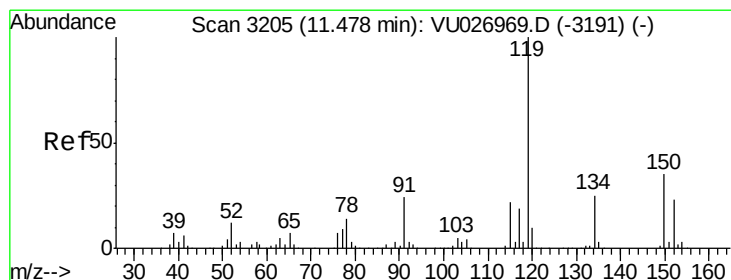
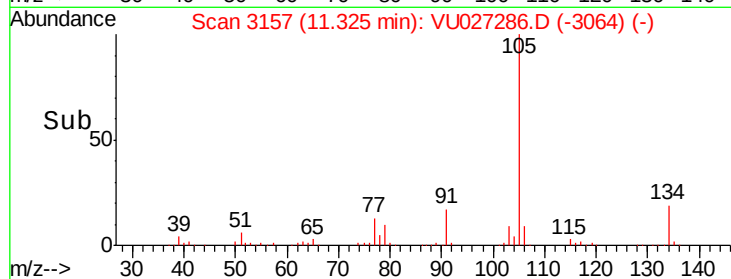
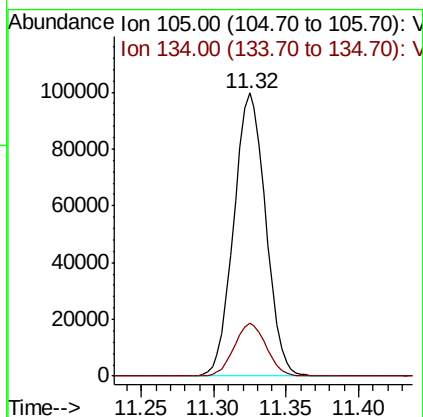
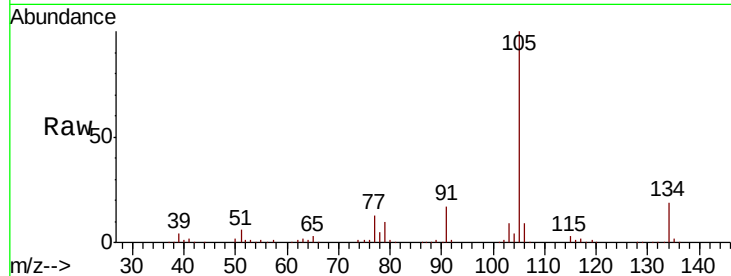




#85
 sec-Butylbenzene
 Concen: 23.263 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

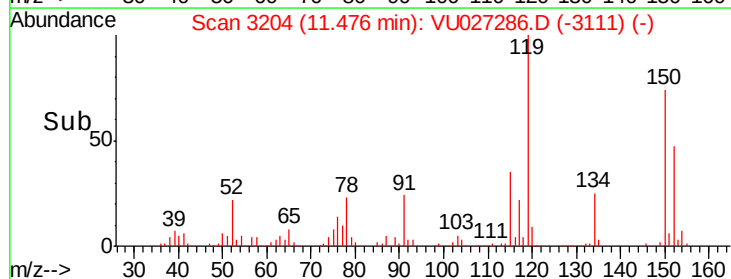
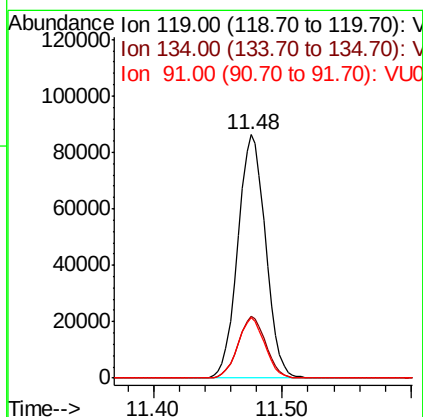
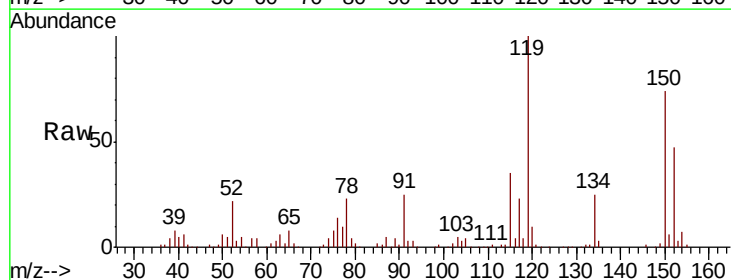
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

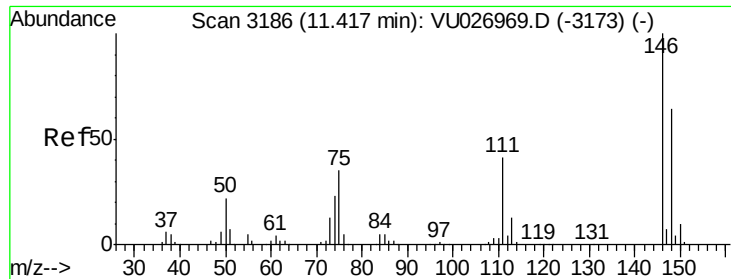
Tgt Ion:105 Resp: 152187
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.508 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:119 Resp: 128726
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.3 12.3 36.8

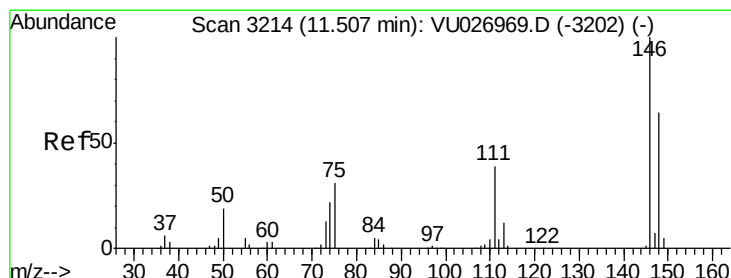
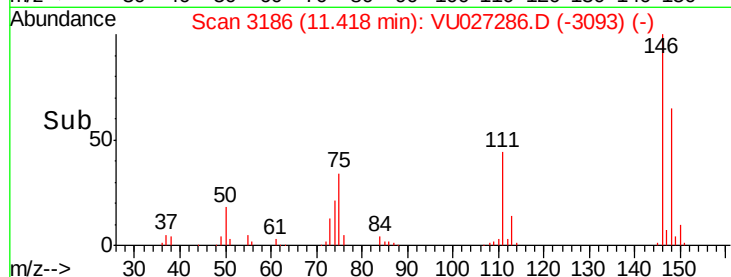
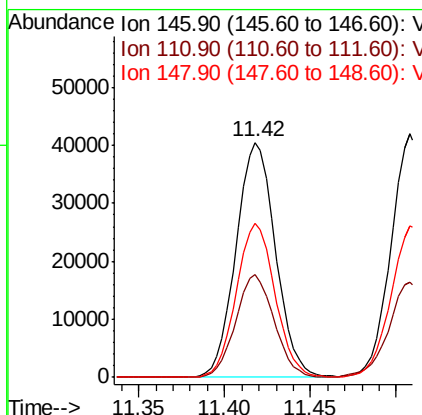
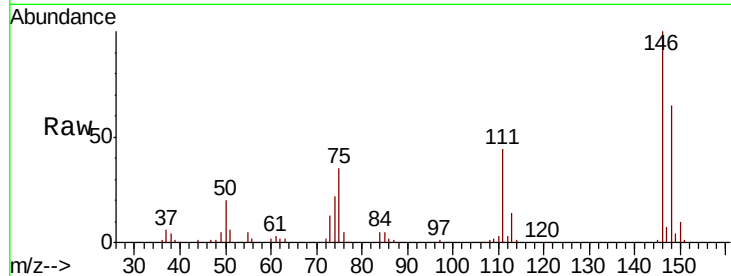




#87
 1,3-Dichlorobenzene
 Concen: 21.617 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

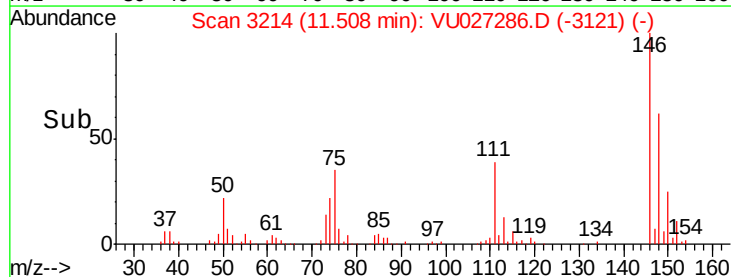
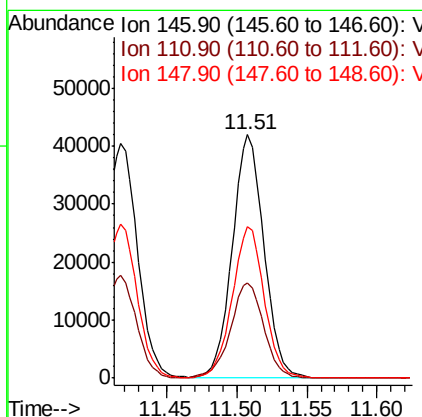
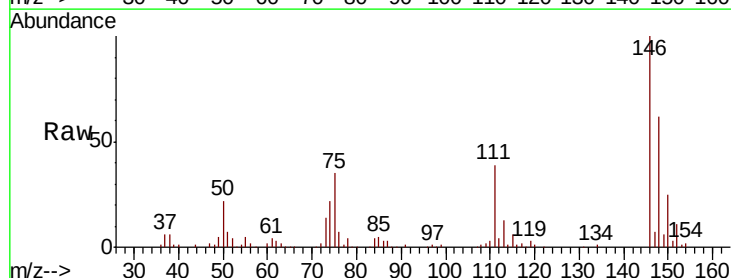
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

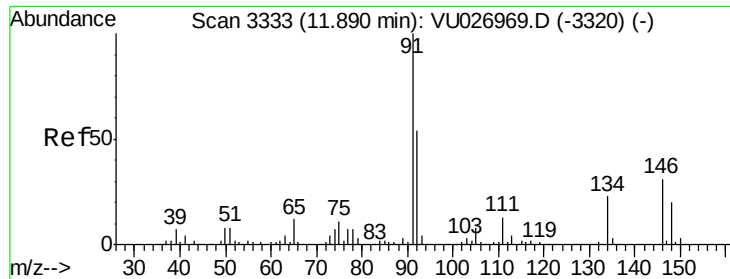
Tgt Ion:146 Resp: 64554
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.2
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.262 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:146 Resp: 65944
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 60.9
 148 63.1 31.9 95.9





#89

n-Butylbenzene

Concen: 20.337 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

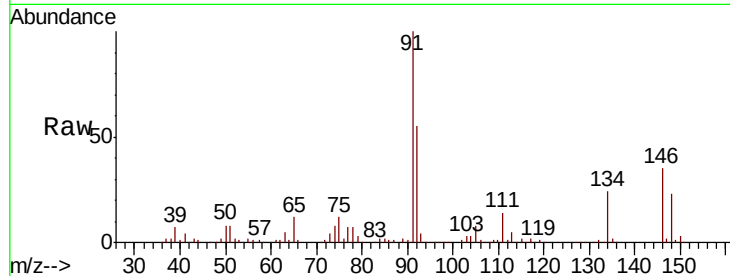
Tgt Ion: 91 Resp: 112151

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

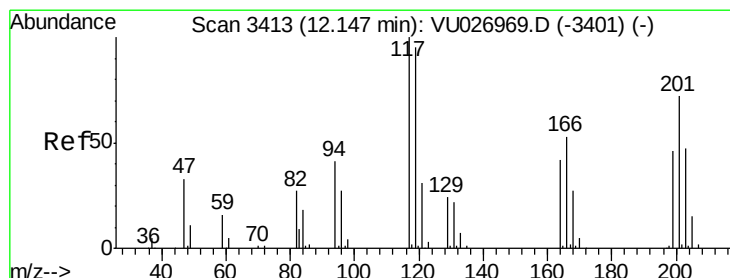
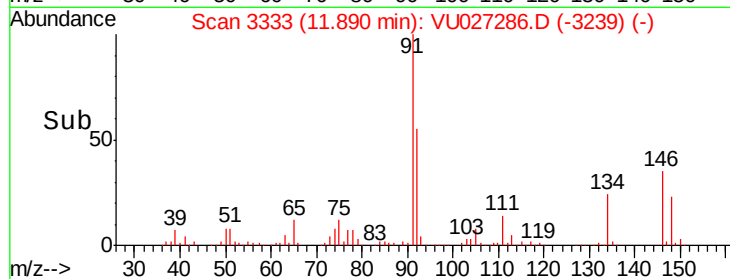
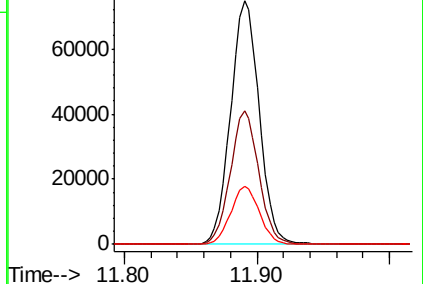
134 23.8 11.7 35.0



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

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

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



#90

Hexachloroethane

Concen: 19.131 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027286.D

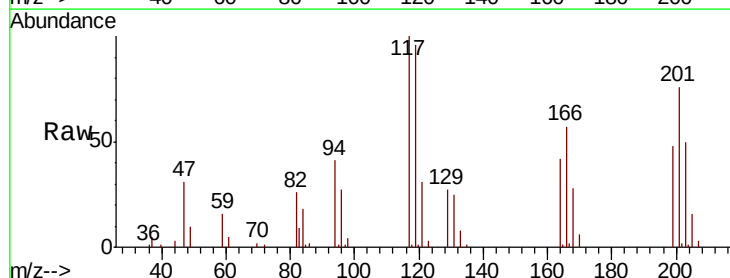
Acq: 28 Sep 2018 21:41

Tgt Ion: 117 Resp: 22759

Ion Ratio Lower Upper

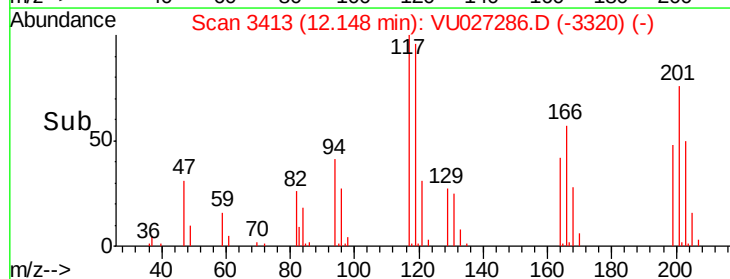
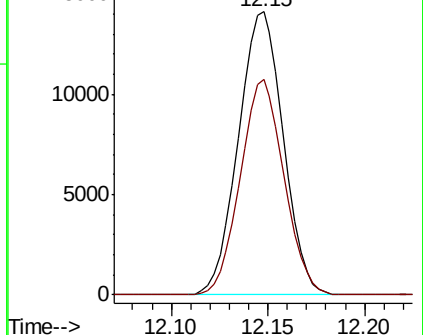
117 100

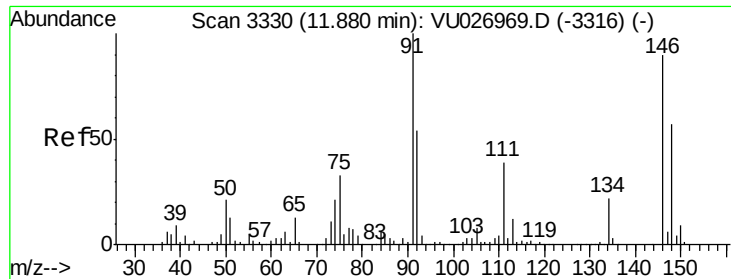
201 74.0 36.8 110.3



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

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

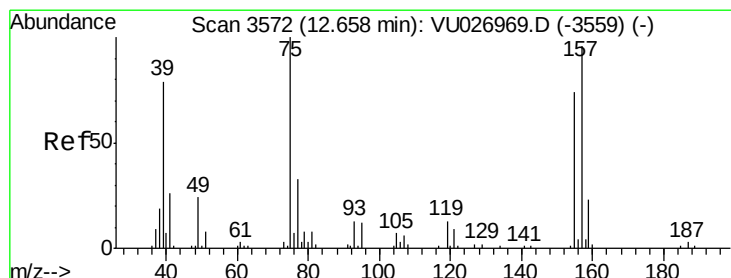
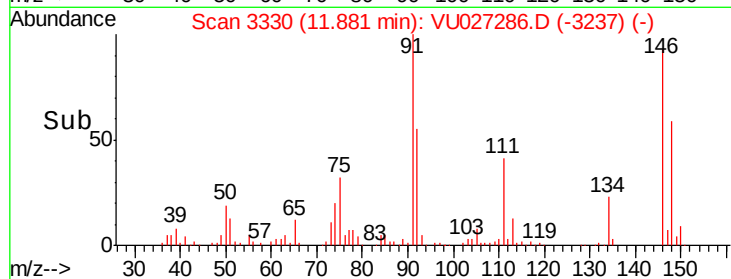
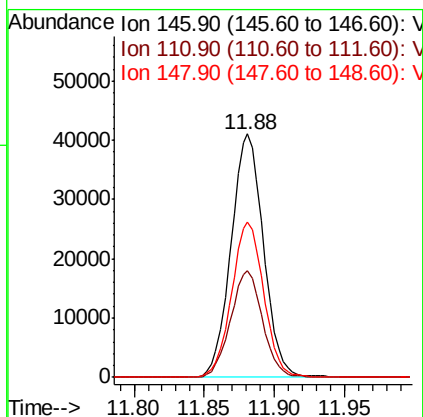
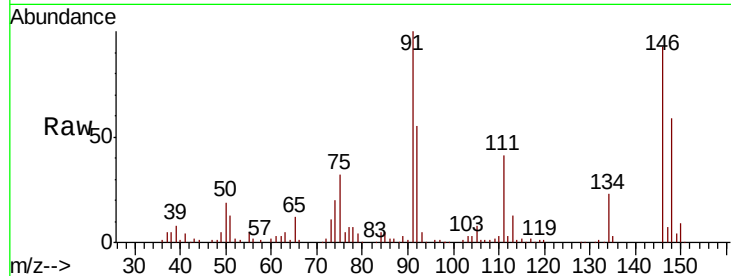




#91
 1,2-Dichlorobenzene
 Concen: 20.778 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

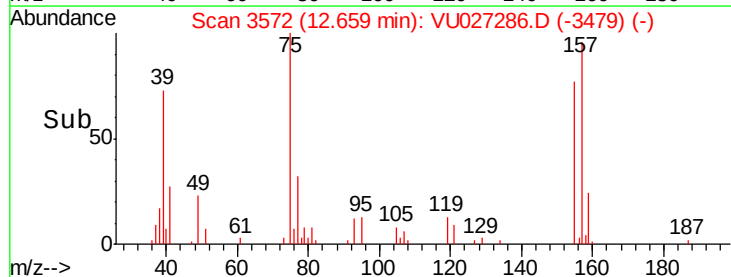
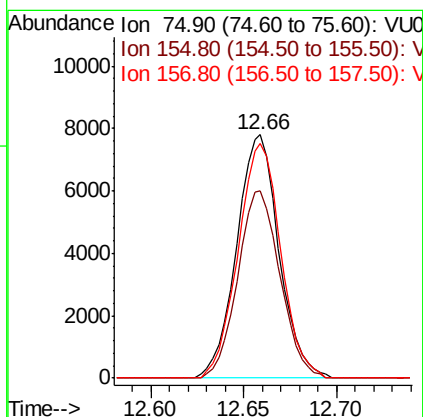
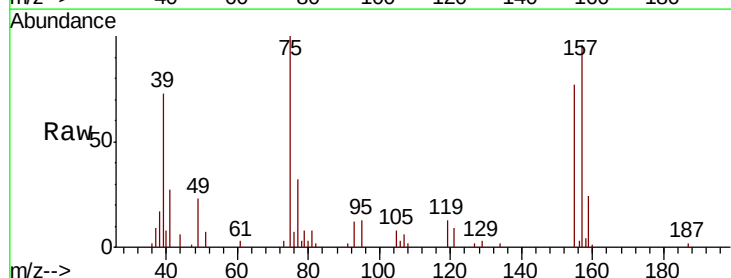
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

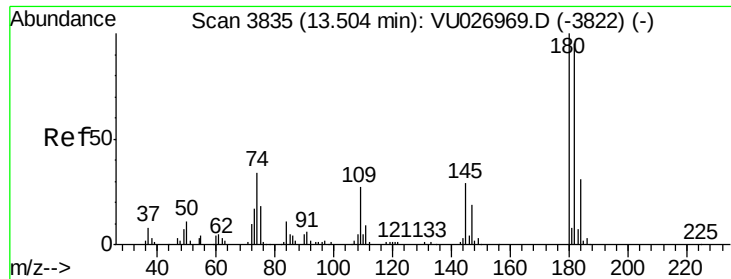
Tgt Ion: 146 Resp: 65910
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.8 65.3
 148 63.2 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.078 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 75 Resp: 12367
 Ion Ratio Lower Upper
 75 100
 155 76.6 36.6 109.8
 157 96.9 47.4 142.2

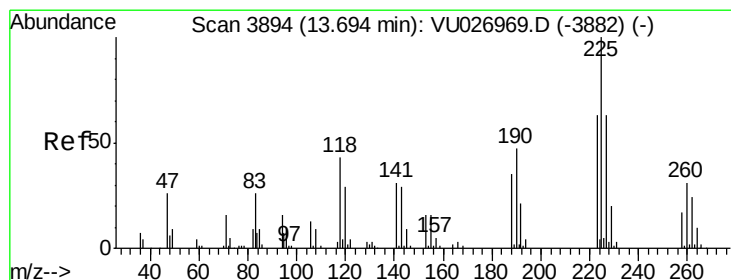
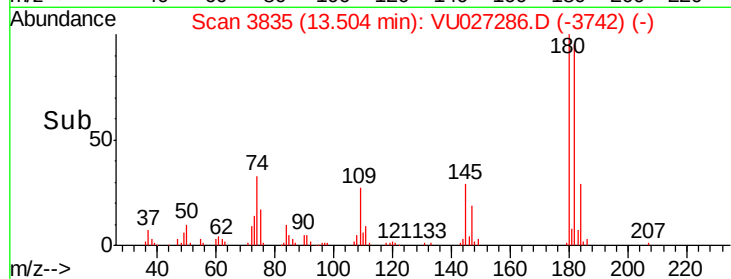
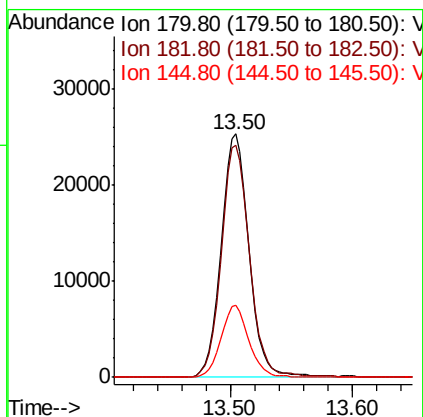
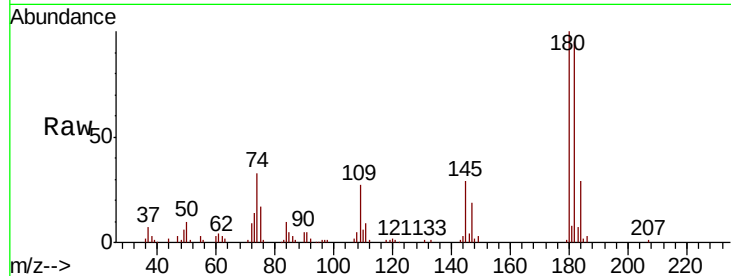




#93
 1,2,4-Trichlorobenzene
 Concen: 22.267 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

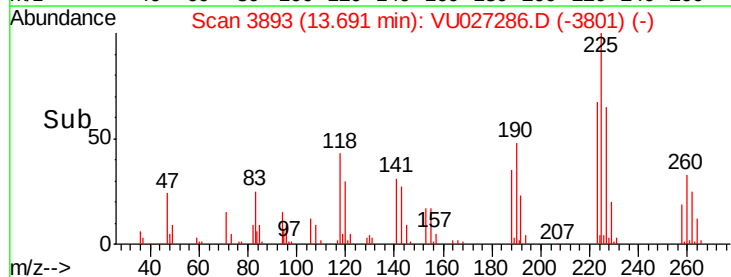
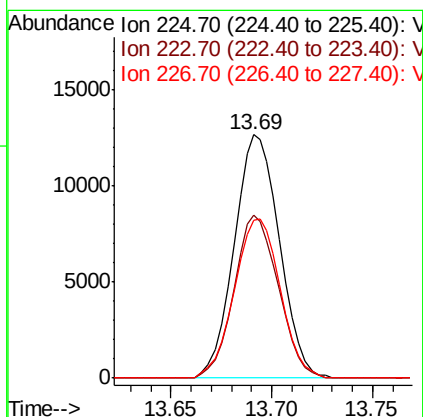
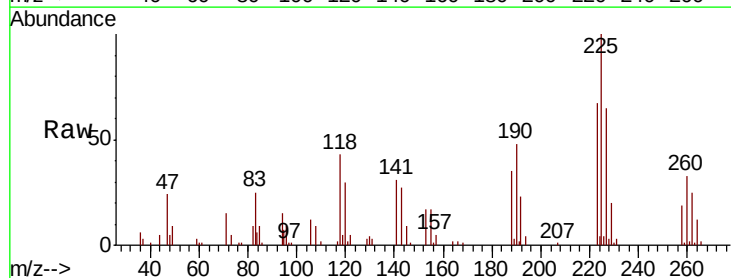
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

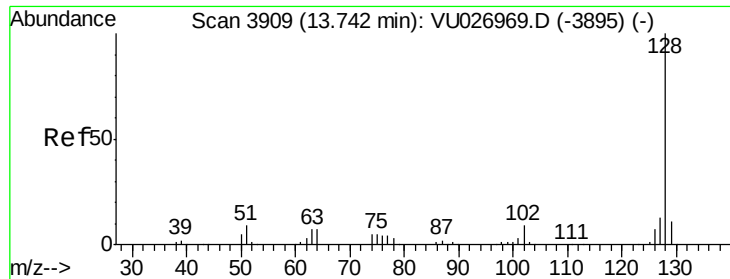
Tgt Ion:180 Resp: 40704
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.4 142.2
 145 29.4 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 20.487 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:225 Resp: 19815
 Ion Ratio Lower Upper
 225 100
 223 65.6 31.9 95.7
 227 66.5 32.1 96.5

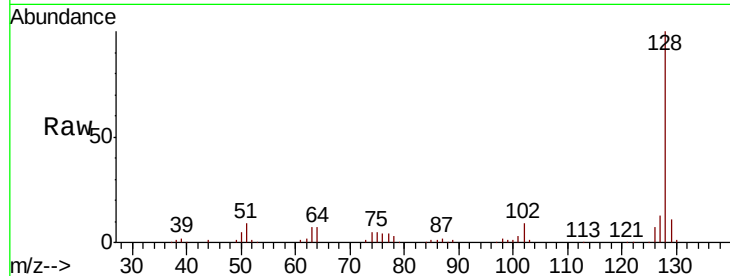




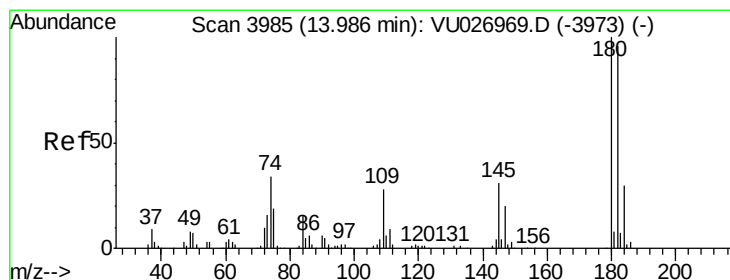
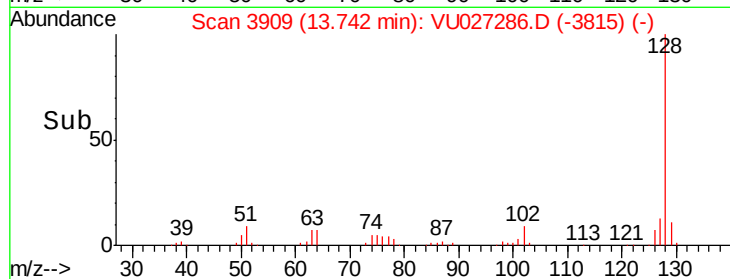
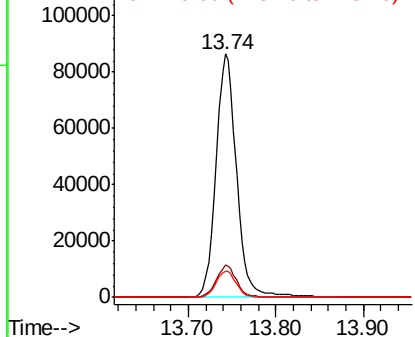
#95
Naphthalene
Concen: 20.750 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tgt Ion:128 Resp: 140997
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.8 8.6 12.8

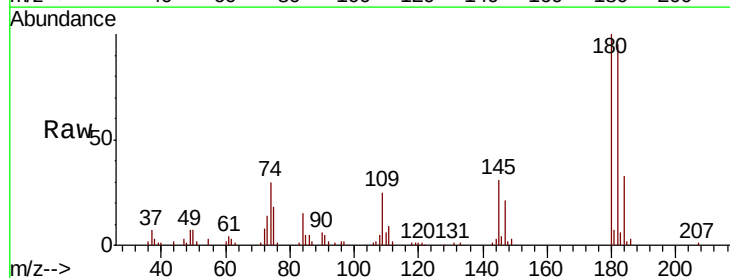


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.638 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:180 Resp: 42417
Ion Ratio Lower Upper
180 100
182 96.7 47.5 142.5
145 31.9 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

