

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026967.D
 Acq On : 21 Sep 2018 14:51
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 22 00:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	78396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61845	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	8765	6.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.82%	
35) Dibromofluoromethane	4.89	113	6180	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
50) Toluene-d8	7.57	98	22327	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
62) 4-Bromofluorobenzene	10.31	95	6442	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	5699	6.519 ug/l	98
3) Chloromethane	1.33	50	9249	7.284 ug/l	100
4) Vinyl Chloride	1.40	62	8647	6.716 ug/l	100
5) Bromomethane	1.61	94	4838	6.125 ug/l	96
6) Chloroethane	1.69	64	6102	7.418 ug/l	99
7) Trichlorofluoromethane	1.88	101	10153	6.192 ug/l	99
8) Diethyl Ether	2.11	74	4616	6.277 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6182	6.321 ug/l	98
10) Methyl Iodide	2.41	142	6979	8.175 ug/l	97
11) Tert butyl alcohol	2.83	59	9250	30.296 ug/l	98
12) 1,1-Dichloroethene	2.28	96	5622	6.063 ug/l	98
13) Acrolein	2.20	56	3823	19.246 ug/l	99
14) Allyl chloride	2.59	41	11492	6.650 ug/l	99
15) Acrylonitrile	2.94	53	22820	34.143 ug/l	98
16) Acetone	2.32	43	30203	42.375 ug/l	100
17) Carbon Disulfide	2.48	76	17656	5.945 ug/l	100
18) Methyl Acetate	2.62	43	11059	6.990 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	19513	5.998 ug/l	100
20) Methylene Chloride	2.70	84	7516	6.627 ug/l	93
21) trans-1,2-Dichloroethene	2.98	96	5767	5.859 ug/l	98
22) Diisopropyl ether	3.57	45	23197	6.410 ug/l #	88
23) Vinyl Acetate	3.53	43	95891	31.214 ug/l	100
24) 1,1-Dichloroethane	3.45	63	13907	6.901 ug/l	98
25) 2-Butanone	4.27	43	35007	35.993 ug/l	98
26) 2,2-Dichloropropane	4.23	77	10898	6.658 ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	6668	5.916 ug/l	99
28) Bromochloromethane	4.55	49	6648	6.847 ug/l #	99
29) Tetrahydrofuran	4.64	42	19211	32.447 ug/l	99
30) Chloroform	4.68	83	12614	6.437 ug/l	92
31) Cyclohexane	4.99	56	13066	6.287 ug/l #	85
32) 1,1,1-Trichloroethane	4.92	97	10256	6.373 ug/l	99
36) 1,1-Dichloropropene	5.14	75	8764	5.707 ug/l	97
37) Ethyl Acetate	4.39	43	11242	5.927 ug/l	99
38) Carbon Tetrachloride	5.14	117	8910	5.577 ug/l	93

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 22 00:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	8438	4.665	ug/l	96
40) Benzene	5.39	78	27562	5.803	ug/l	92
41) Methacrylonitrile	4.55	41	5999	6.070	ug/l	99
42) 1,2-Dichloroethane	5.41	62	10518	6.108	ug/l	99
43) Isopropyl Acetate	5.55	43	16918	5.904	ug/l	98
44) Trichloroethene	6.19	130	5854	5.098	ug/l	98
45) 1,2-Dichloropropane	6.44	63	8090	6.208	ug/l	97
46) Dibromomethane	6.57	93	4896	5.920	ug/l	96
47) Bromodichloromethane	6.76	83	9662	5.899	ug/l	98
48) Methyl methacrylate	6.63	41	7746	5.456	ug/l	99
49) 1,4-Dioxane	6.62	88	3364	105.441	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	55717	28.827	ug/l	99
52) Toluene	7.64	92	14661	5.166	ug/l	94
53) t-1,3-Dichloropropene	7.88	75	9098	4.981	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	10464	5.314	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	6842	5.668	ug/l	99
56) Ethyl methacrylate	8.02	69	8326	4.681	ug/l	99
57) 1,3-Dichloropropane	8.25	76	12247	5.847	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	22558	24.743	ug/l	99
59) 2-Hexanone	8.37	43	42541	28.123	ug/l	94
60) Dibromochloromethane	8.48	129	6172	4.821	ug/l	97
61) 1,2-Dibromoethane	8.59	107	7018	5.380	ug/l	99
64) Tetrachloroethene	8.23	164	4987	4.975	ug/l	92
65) Chlorobenzene	9.12	112	17445	5.499	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	6169	5.308	ug/l	98
67) Ethyl Benzene	9.25	91	24765	4.692	ug/l	99
68) m/p-Xylenes	9.38	106	18314	9.177	ug/l	96
69) o-Xylene	9.78	106	8904	4.600	ug/l	96
70) Styrene	9.79	104	13171	4.151	ug/l	99
71) Bromoform	9.96	173	4498	4.547	ug/l #	96
73) Isopropylbenzene	10.17	105	22743	5.268	ug/l	98
74) N-amyl acetate	10.02	43	12531	5.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	12101	6.800	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	12912	8.917	ug/l	85
77) Bromobenzene	10.46	156	5746	4.997	ug/l	95
78) n-propylbenzene	10.59	91	25289	5.007	ug/l	99
79) 2-Chlorotoluene	10.66	91	17499	5.599	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	17917	4.946	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	12912	26.061	ug/l #	100
82) 4-Chlorotoluene	10.77	91	19361	5.516	ug/l	98
83) tert-Butylbenzene	11.10	119	18009	4.944	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	17911	4.893	ug/l	99
85) sec-Butylbenzene	11.32	105	21538	4.942	ug/l	99
86) p-Isopropyltoluene	11.48	119	17308	4.581	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	10721	4.995	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	11415	5.111	ug/l	94
89) n-Butylbenzene	11.89	91	14981	4.485	ug/l	93
90) Hexachloroethane	12.15	117	4316	5.657	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	11256	5.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2356	6.605	ug/l	94

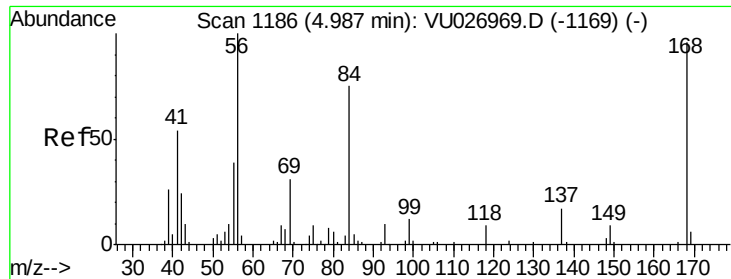
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
Data File : VU026967.D
Acq On : 21 Sep 2018 14:51
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Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 00:46:22 2018
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 00:44:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	5390	3.822	ug/l	97
94) Hexachlorobutadiene	13.69	225	3534	4.874	ug/l	98
95) Naphthalene	13.75	128	17279	3.960	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	6127	4.139	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

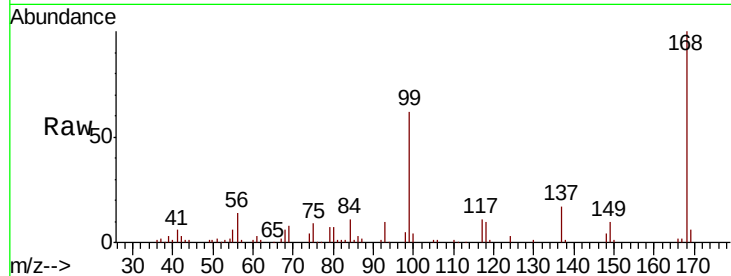
VSTDIC005

Tgt Ion:168 Resp: 78396

Ion Ratio Lower Upper

168 100

99 60.9 48.1 72.1



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

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

4.99

30000

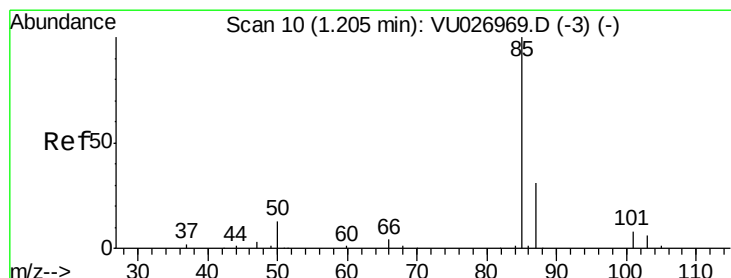
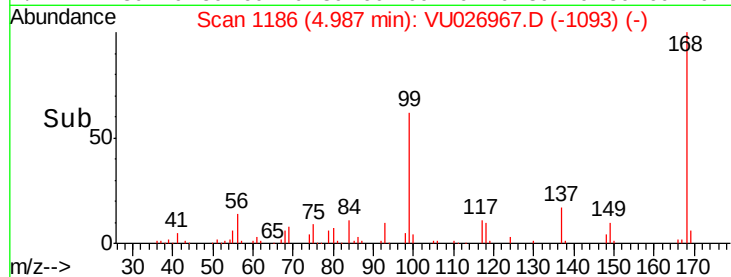
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 6.519 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU026967.D

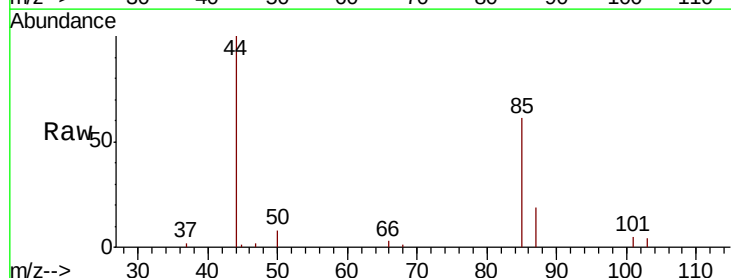
Acq: 21 Sep 2018 14:51

Tgt Ion: 85 Resp: 5699

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7



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

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

1.21

6000

5000

4000

3000

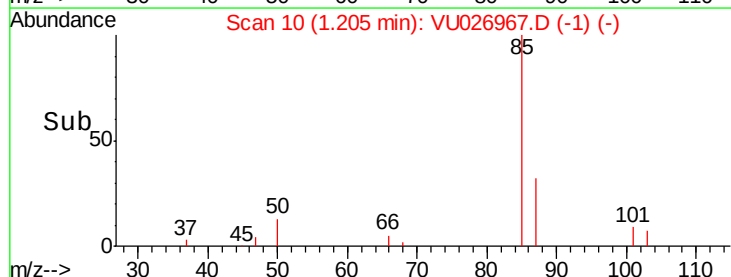
2000

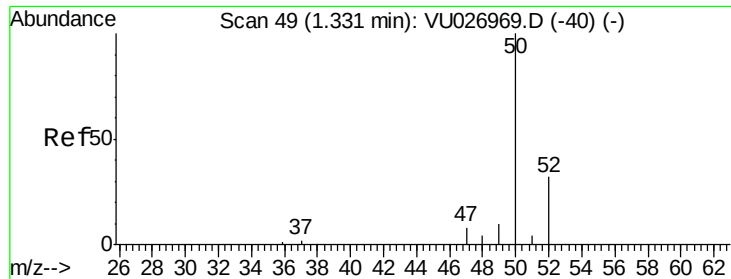
1000

0

1.20 1.25

Time-->

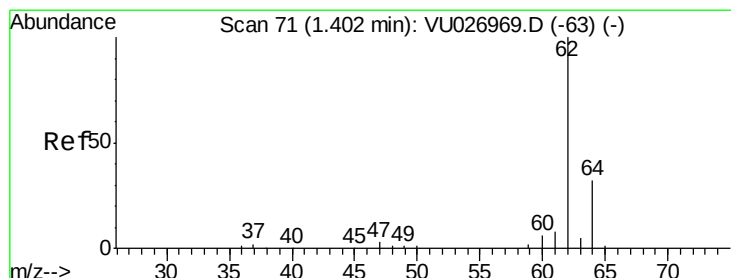
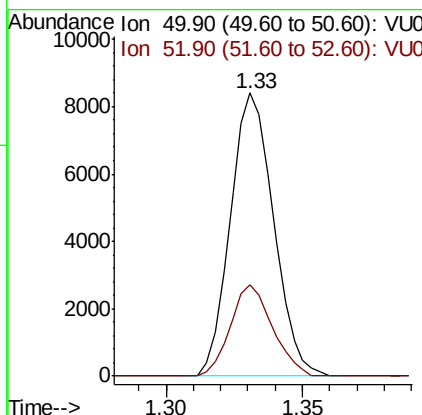
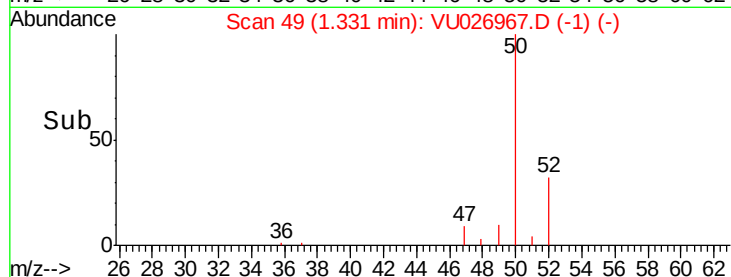
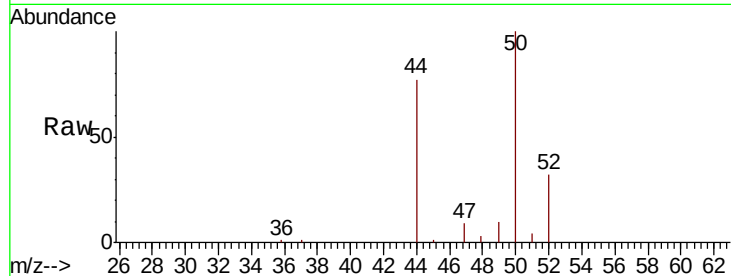




#3
 Chloromethane
 Concen: 7.284 ug/l
 RT: 1.33 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

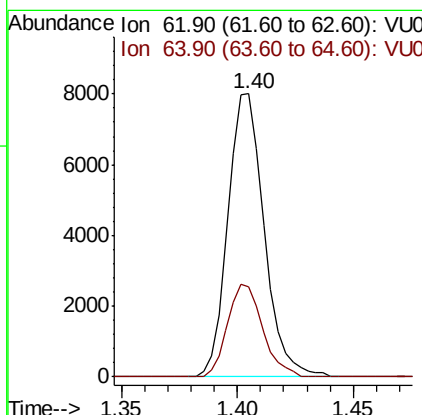
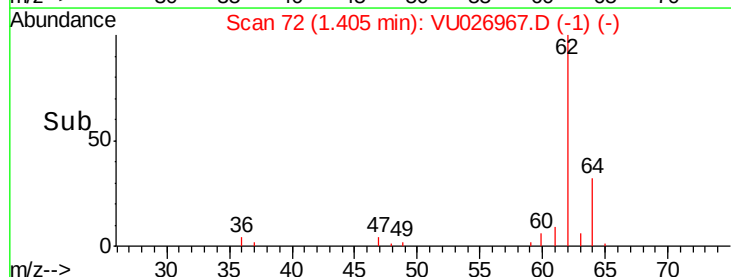
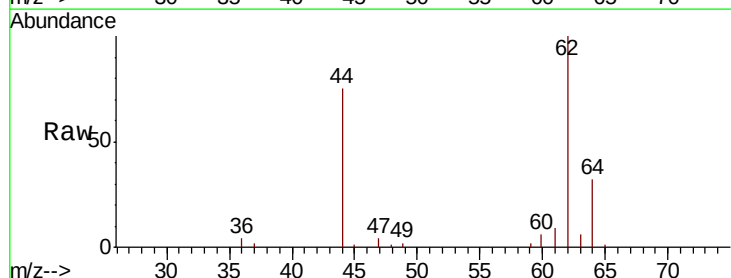
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

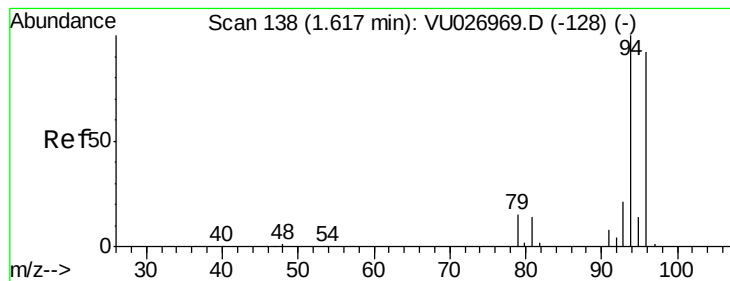
Tgt Ion: 50 Resp: 9249
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.9 38.9



#4
 Vinyl Chloride
 Concen: 6.716 ug/l
 RT: 1.40 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 62 Resp: 8647
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.5 38.3





#5

Bromomethane

Concen: 6.125 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

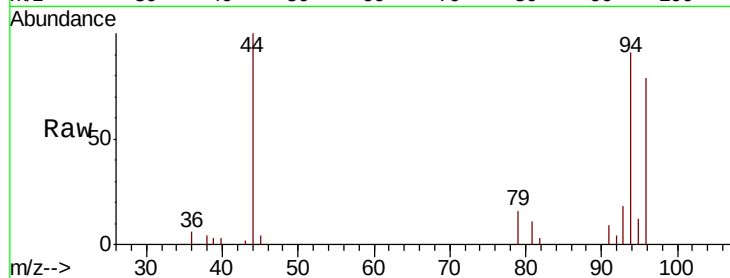
VSTDIC005

Tgt Ion: 94 Resp: 4838

Ion Ratio Lower Upper

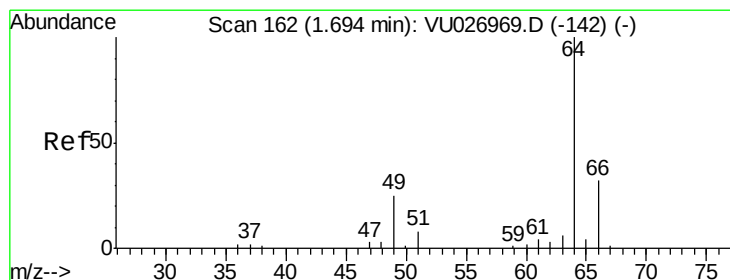
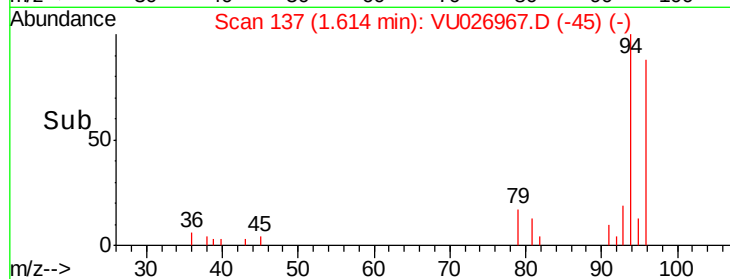
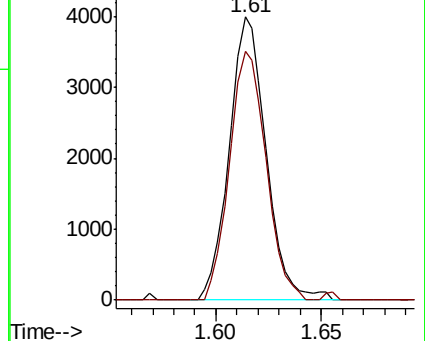
94 100

96 87.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 7.418 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU026967.D

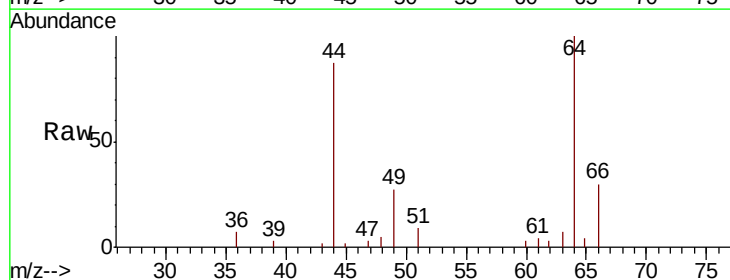
Acq: 21 Sep 2018 14:51

Tgt Ion: 64 Resp: 6102

Ion Ratio Lower Upper

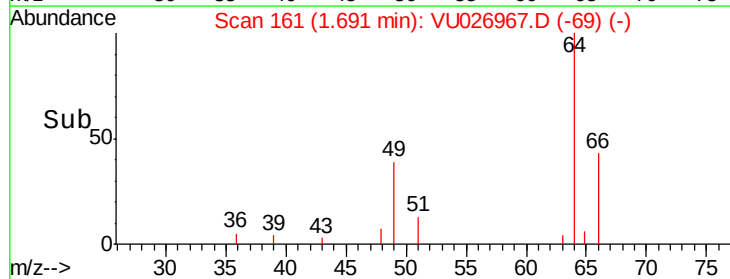
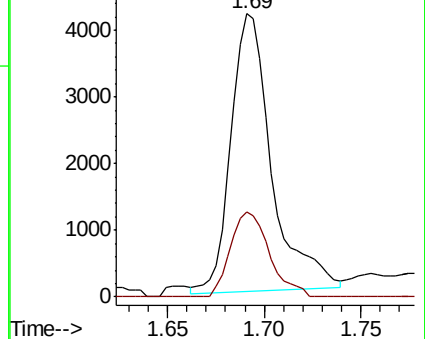
64 100

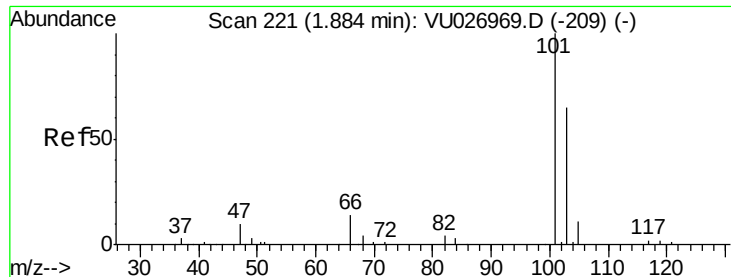
66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



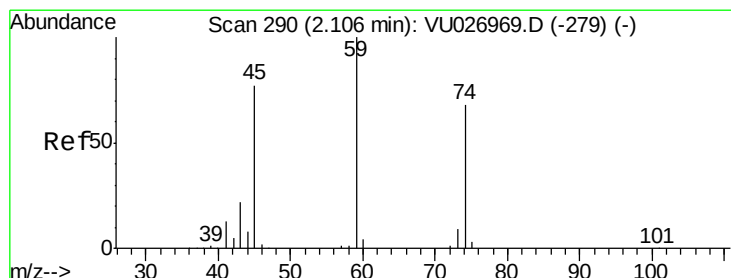
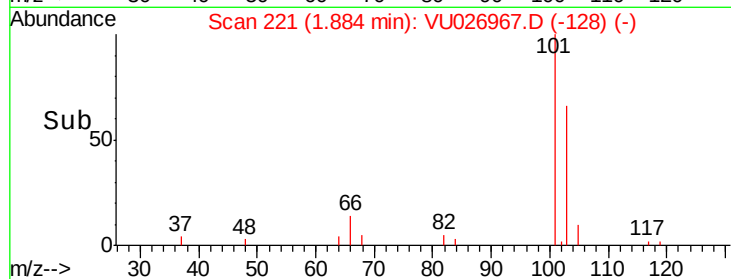
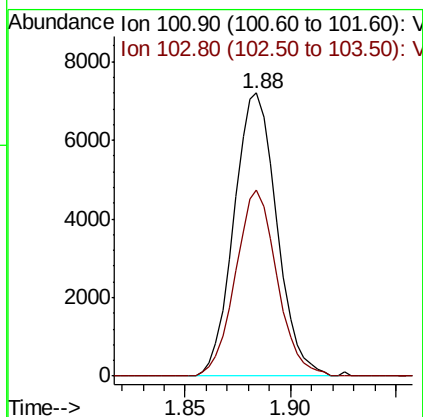
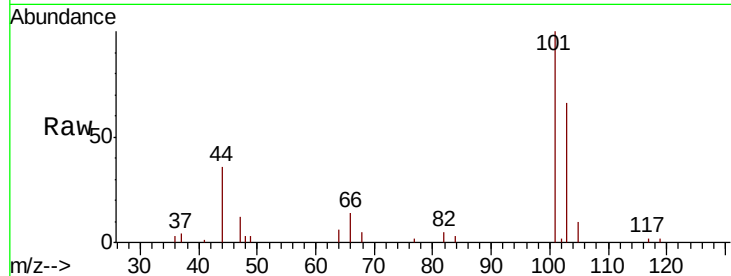


#7

Trichlorofluoromethane
 Concen: 6.192 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

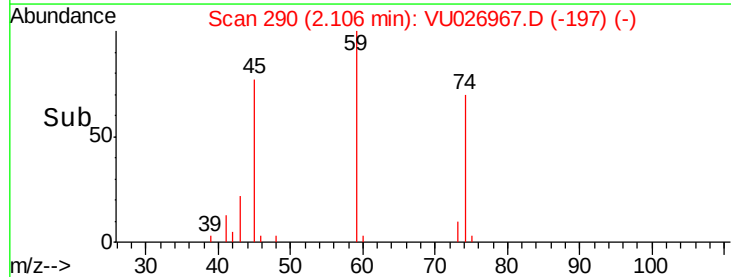
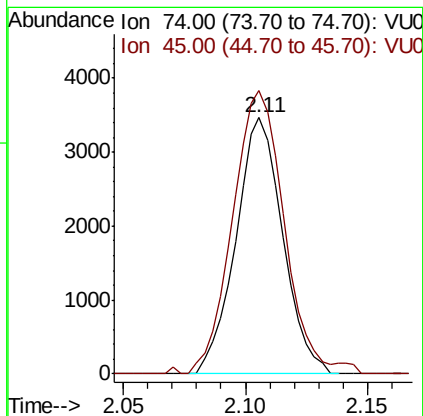
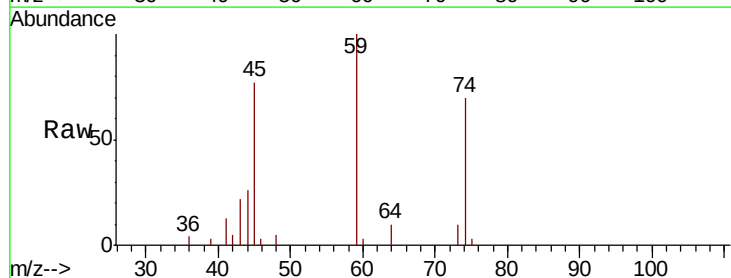
Tgt Ion: 101 Resp: 10153
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.2

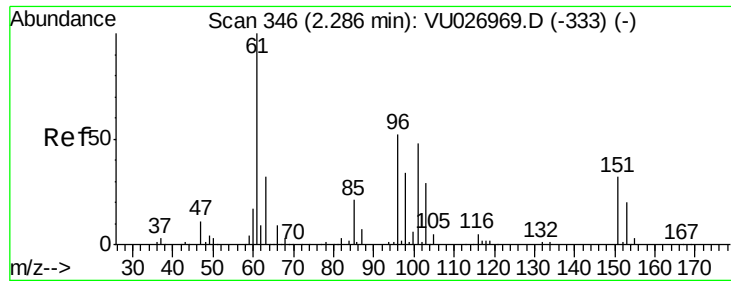


#8

Diethyl Ether
 Concen: 6.277 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 74 Resp: 4616
 Ion Ratio Lower Upper
 74 100
 45 122.2 56.9 170.7

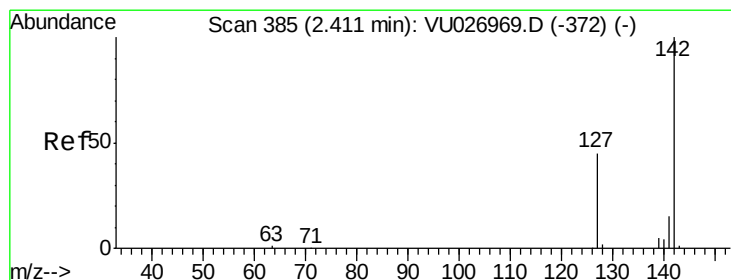
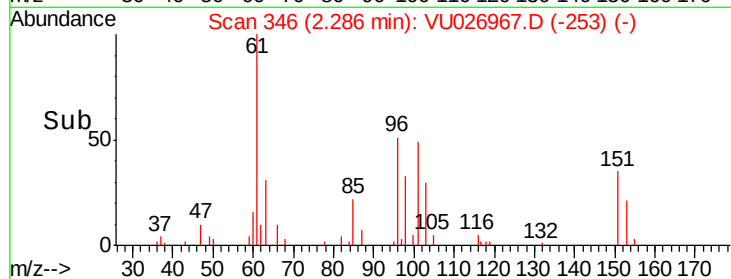
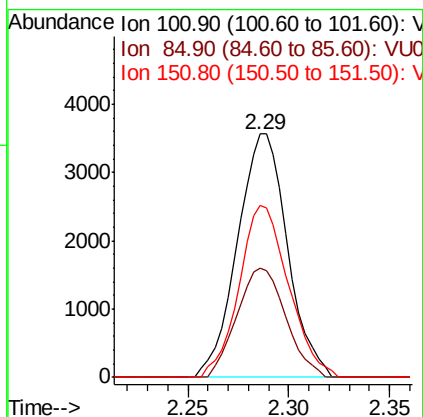
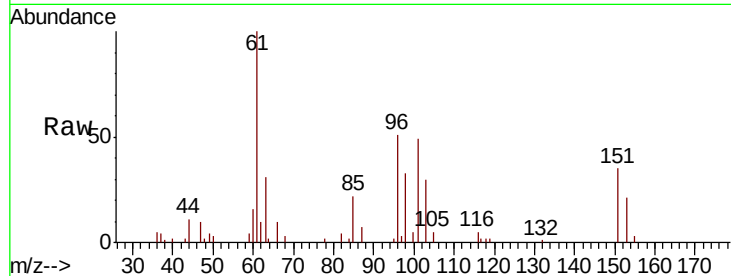




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.321 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

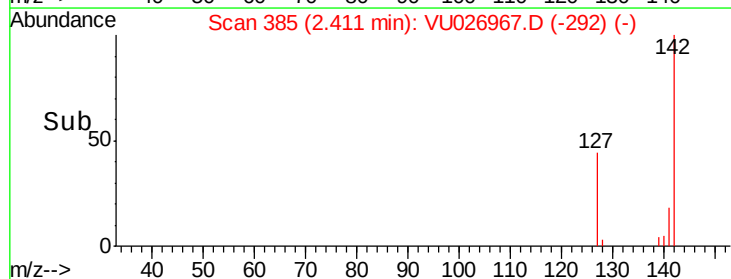
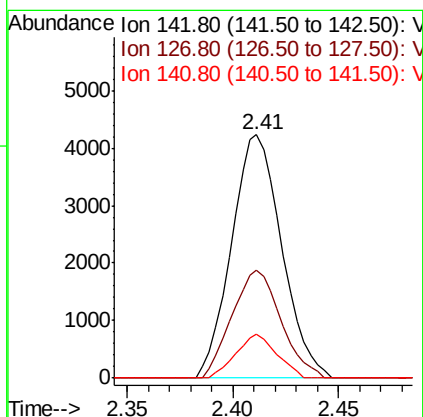
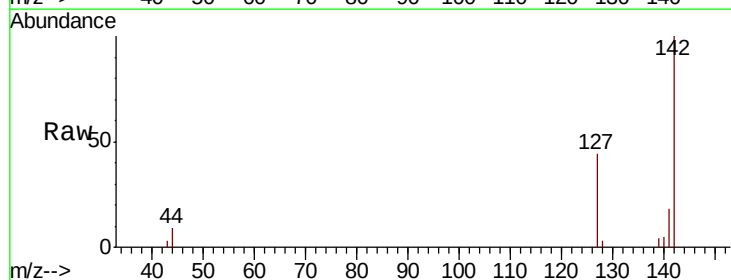
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

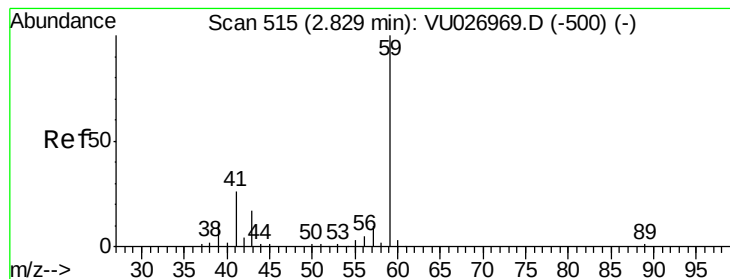
Tgt Ion:101 Resp: 6182
 Ion Ratio Lower Upper
 101 100
 85 43.8 36.2 54.2
 151 69.7 54.5 81.7



#10
 Methyl Iodide
 Concen: 8.175 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion:142 Resp: 6979
 Ion Ratio Lower Upper
 142 100
 127 43.4 36.7 55.1
 141 14.8 11.8 17.6



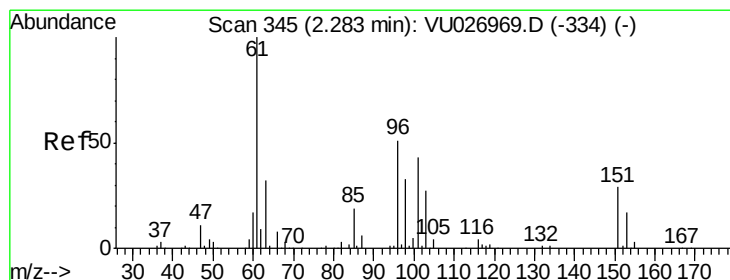
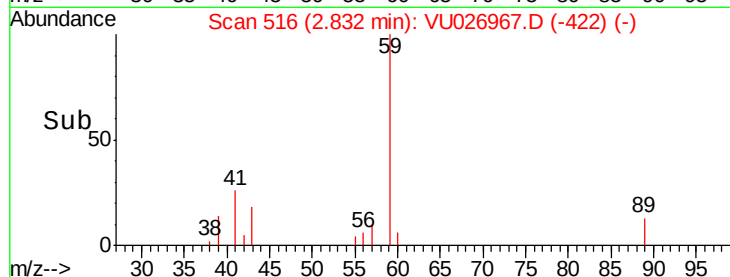
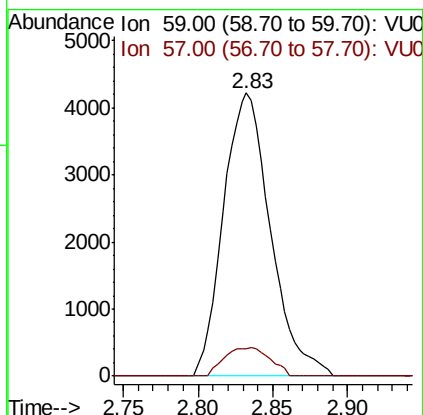
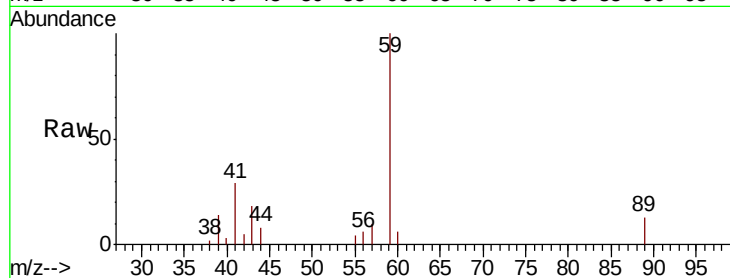


#11

Tert butyl alcohol
 Concen: 30.296 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

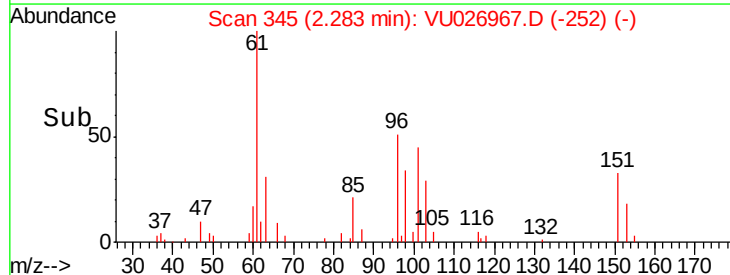
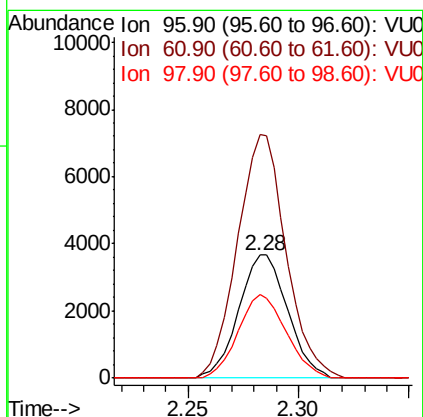
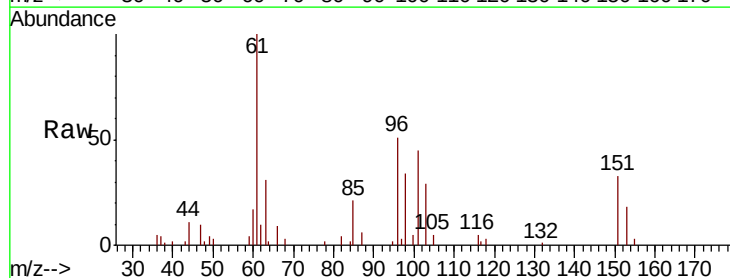
Tgt Ion: 59 Resp: 9250
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.5 12.7

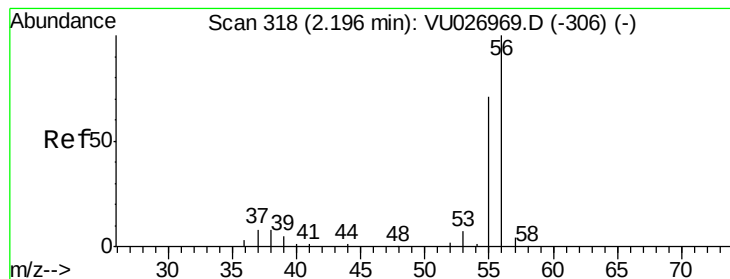


#12

1,1-Dichloroethene
 Concen: 6.063 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 96 Resp: 5622
 Ion Ratio Lower Upper
 96 100
 61 197.7 156.1 234.1
 98 67.4 51.4 77.0





#13

Acrolein

Concen: 19.246 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

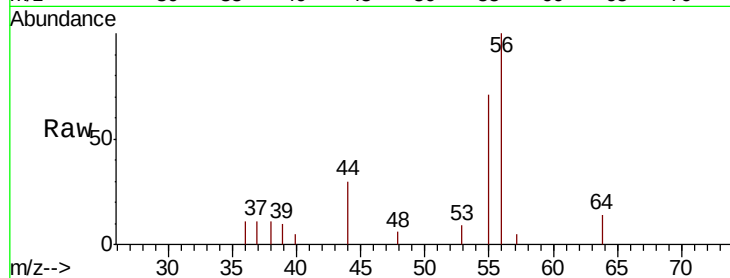
VSTDIC005

Tgt Ion: 56 Resp: 3823

Ion Ratio Lower Upper

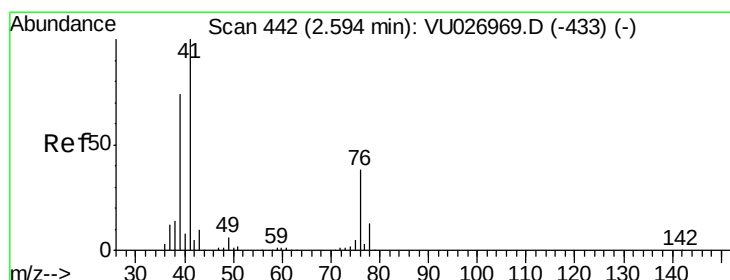
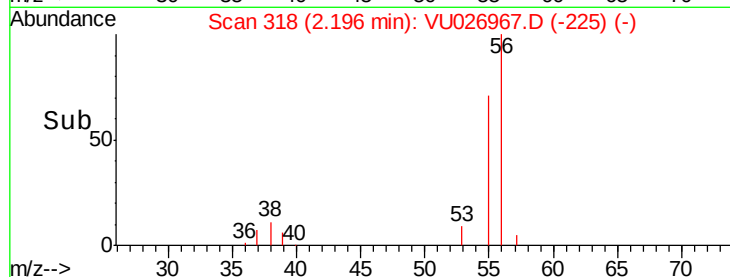
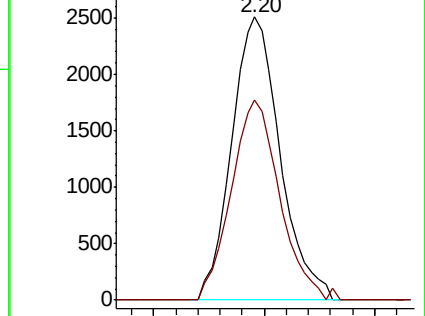
56 100

55 70.6 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 6.650 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

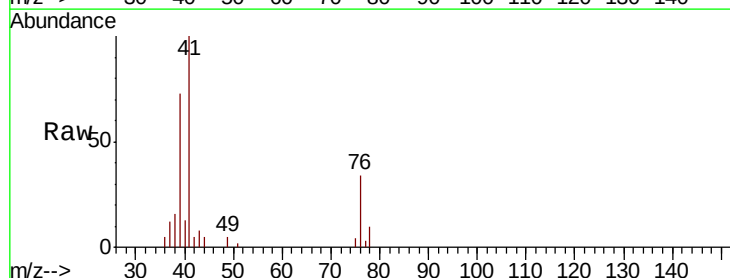
Tgt Ion: 41 Resp: 11492

Ion Ratio Lower Upper

41 100

39 68.7 55.7 83.5

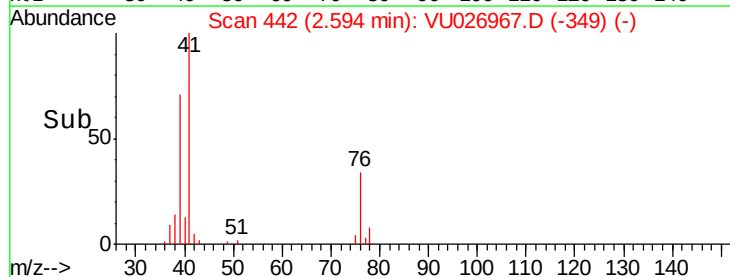
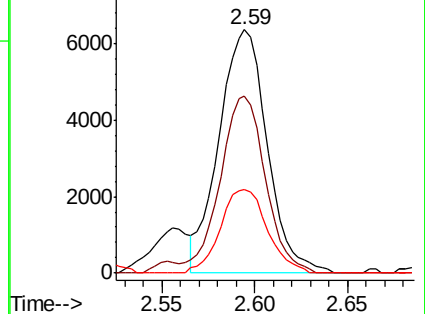
76 33.3 26.5 39.7

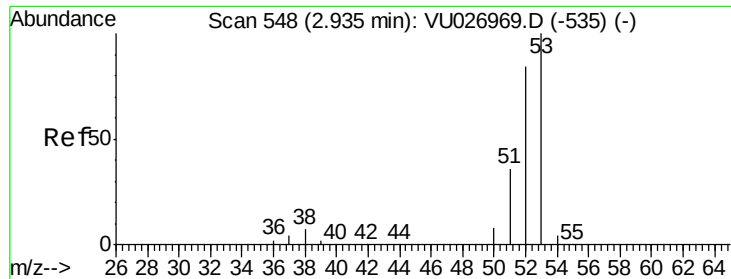


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 34.143 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

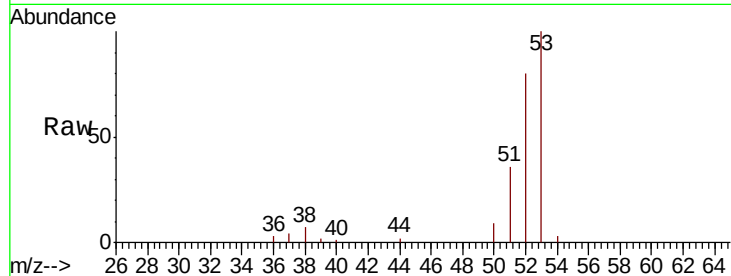
Tgt Ion: 53 Resp: 22820

Ion Ratio Lower Upper

53 100

52 83.7 65.7 98.5

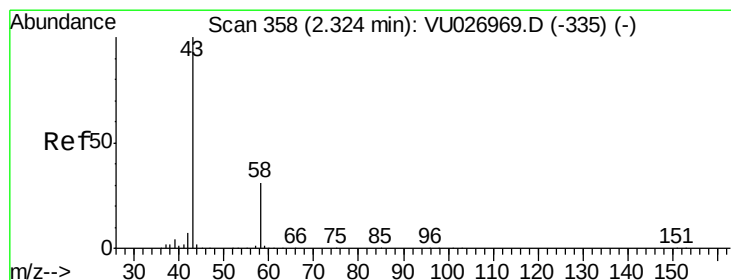
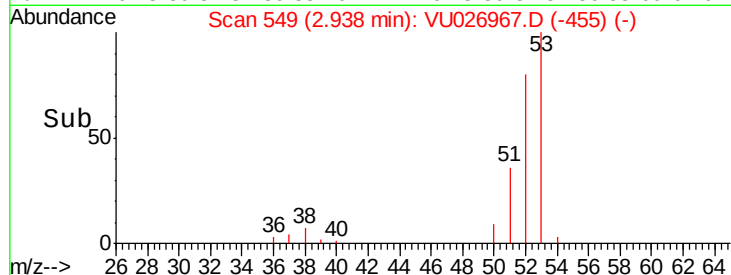
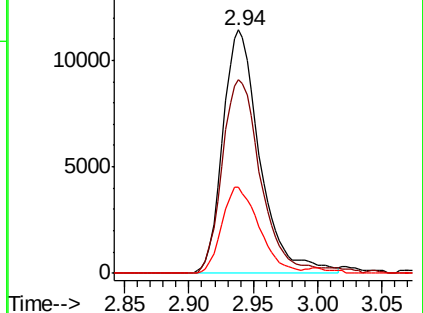
51 35.6 27.4 41.2



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: 42.375 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026967.D

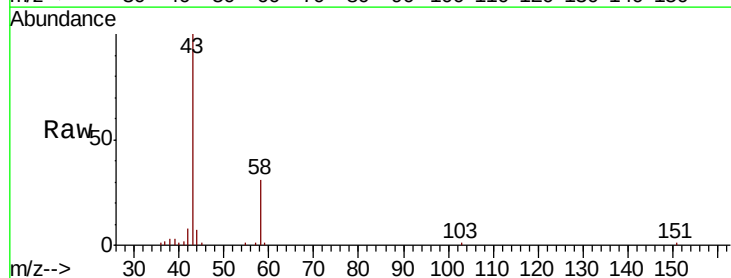
Acq: 21 Sep 2018 14:51

Tgt Ion: 43 Resp: 30203

Ion Ratio Lower Upper

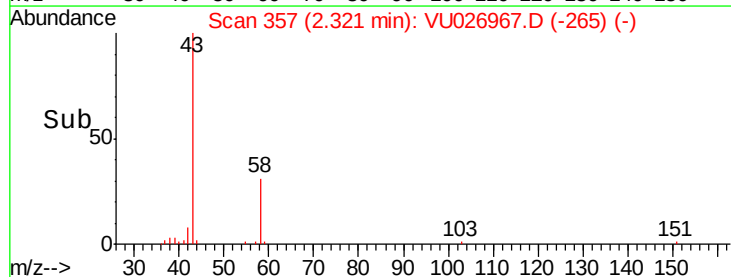
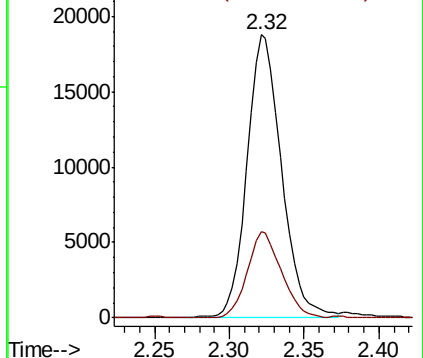
43 100

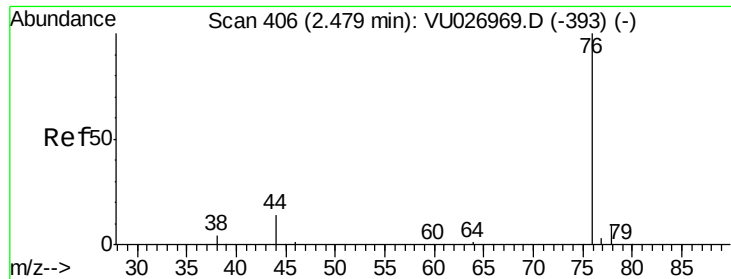
58 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 5.945 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

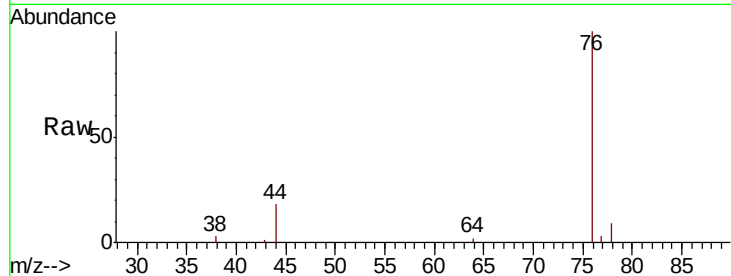
VSTDIC005

Tgt Ion: 76 Resp: 17656

Ion Ratio Lower Upper

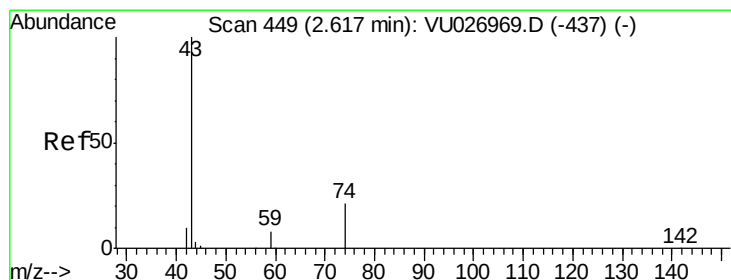
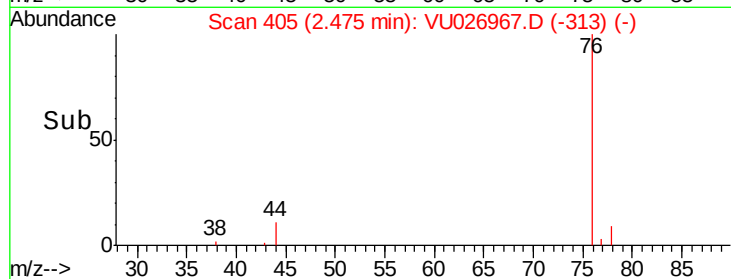
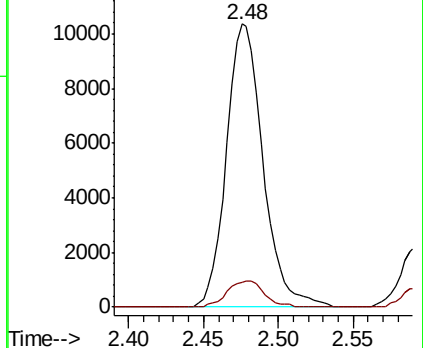
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU026967.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU026967.D (-313) (-)



#18

Methyl Acetate

Concen: 6.990 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU026967.D

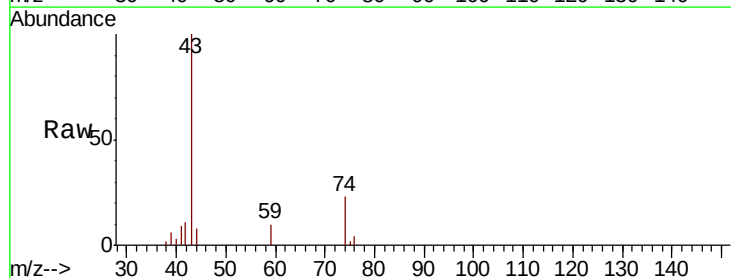
Acq: 21 Sep 2018 14:51

Tgt Ion: 43 Resp: 11059

Ion Ratio Lower Upper

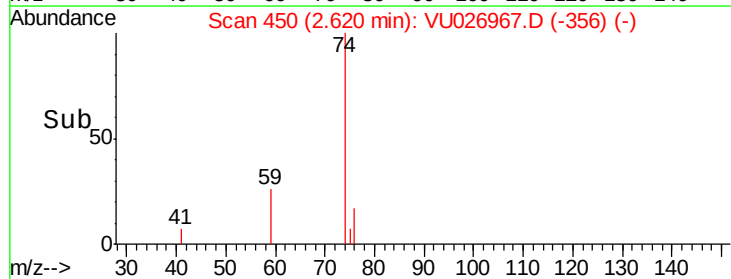
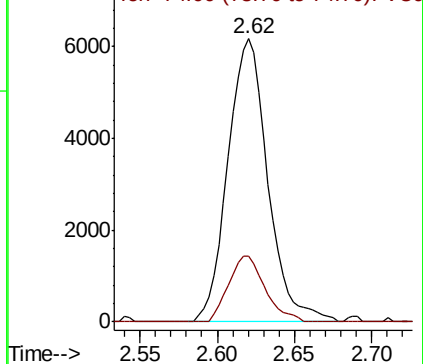
43 100

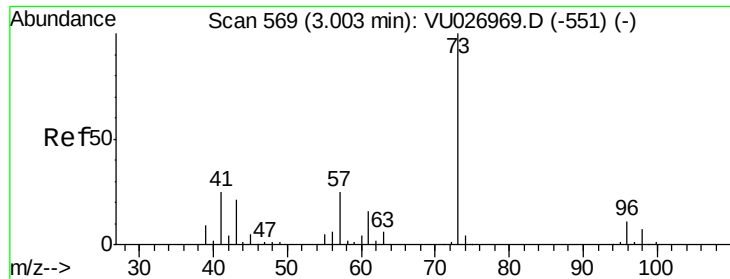
74 21.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026967.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU026967.D (-356) (-)

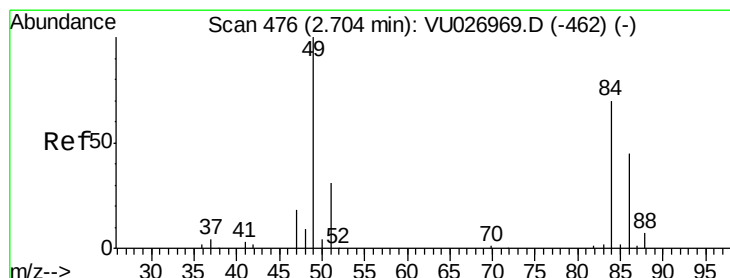
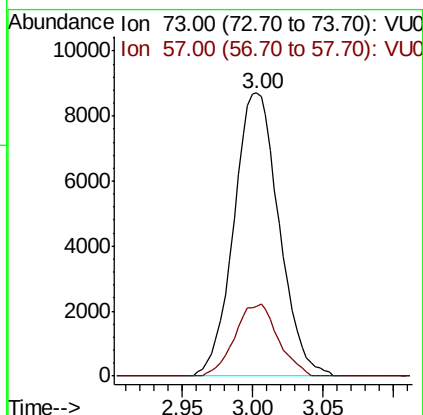
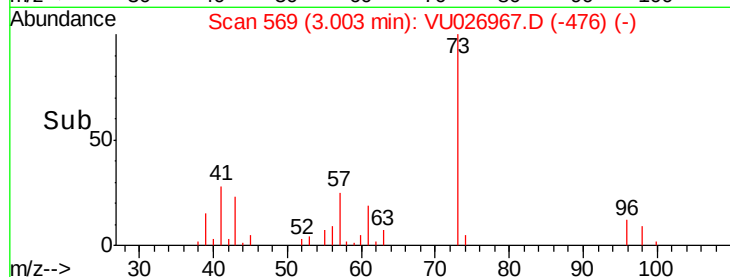
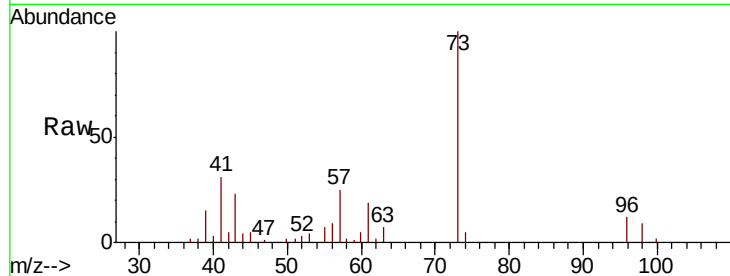




#19
Methyl tert-butyl Ether
Concen: 5.998 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

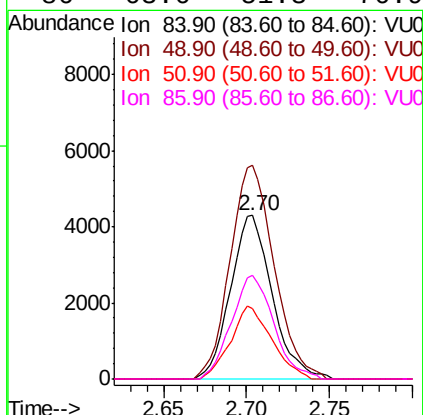
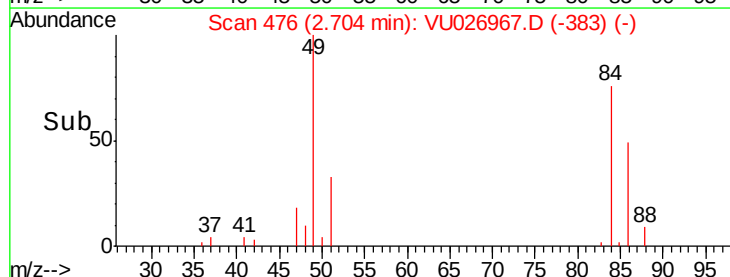
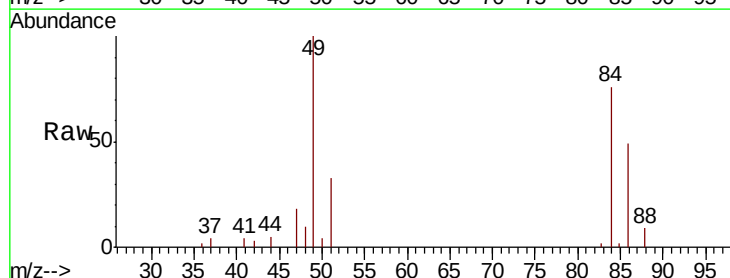
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

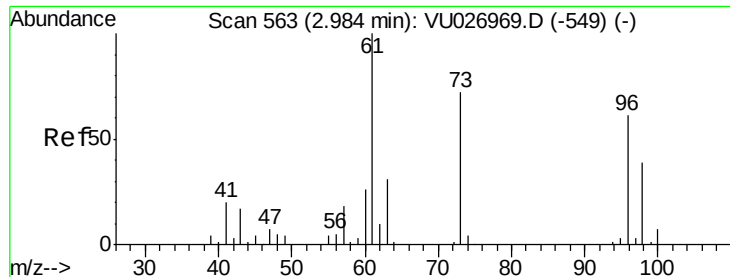
Tgt Ion: 73 Resp: 19513
Ion Ratio Lower Upper
73 100
57 24.8 19.8 29.6



#20
Methylene Chloride
Concen: 6.627 ug/l
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 84 Resp: 7516
Ion Ratio Lower Upper
84 100
49 130.7 114.9 172.3
51 43.0 35.8 53.8
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.859 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

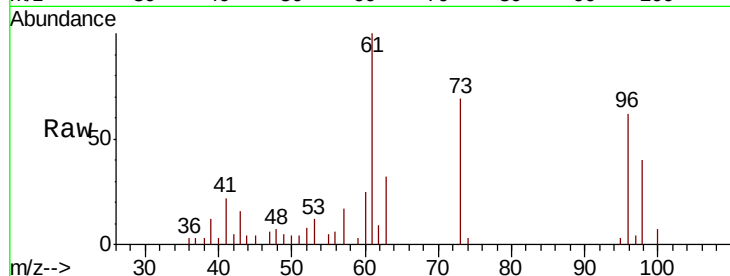
Tgt Ion: 96 Resp: 5767

Ion Ratio Lower Upper

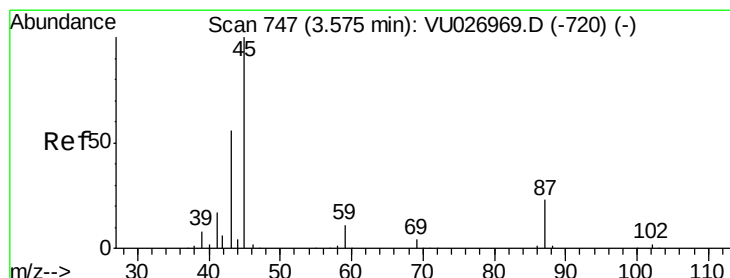
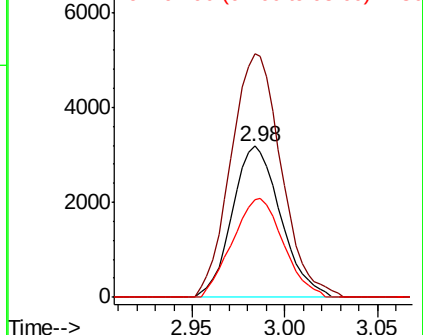
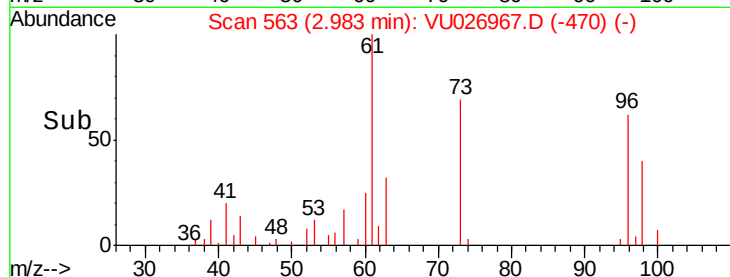
96 100

61 160.9 131.8 197.6

98 64.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU026967.D (-470) (-)



#22

Diisopropyl ether

Concen: 6.410 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion: 45 Resp: 23197

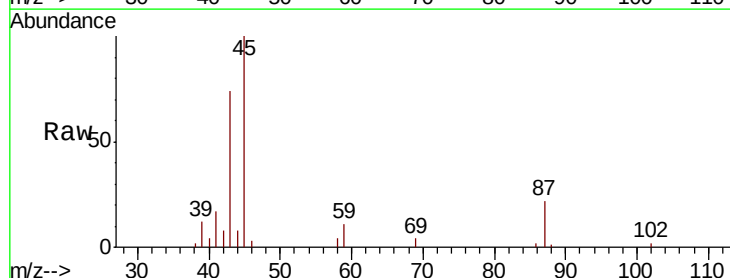
Ion Ratio Lower Upper

45 100

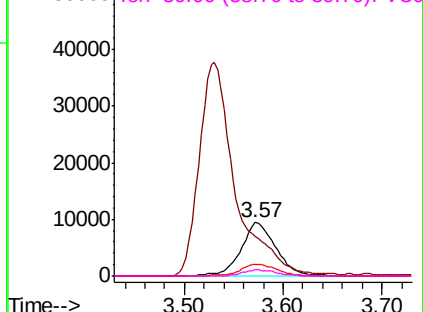
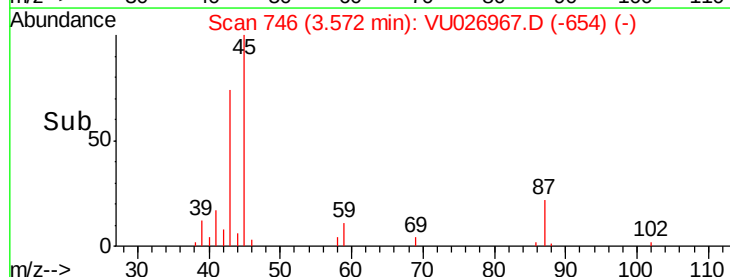
43 70.4 45.8 68.6#

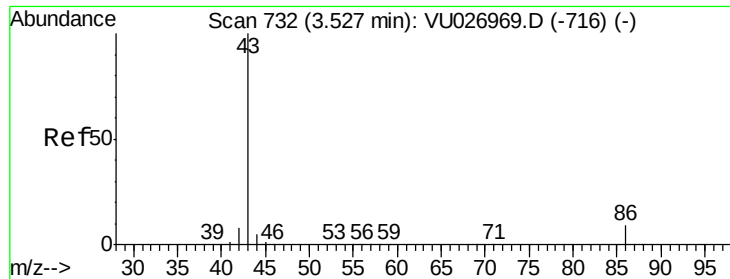
87 22.3 18.6 28.0

59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU026967.D (-654) (-)





#23

Vinyl Acetate

Concen: 31.214 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

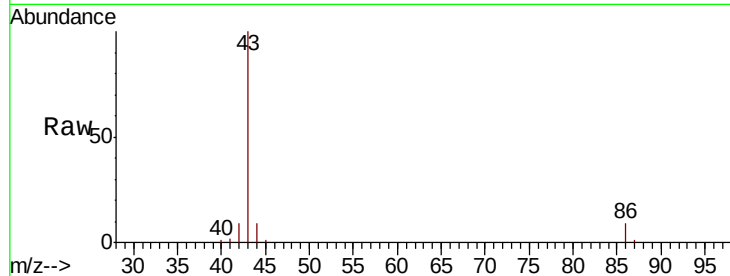
VSTDIC005

Tgt Ion: 43 Resp: 95891

Ion Ratio Lower Upper

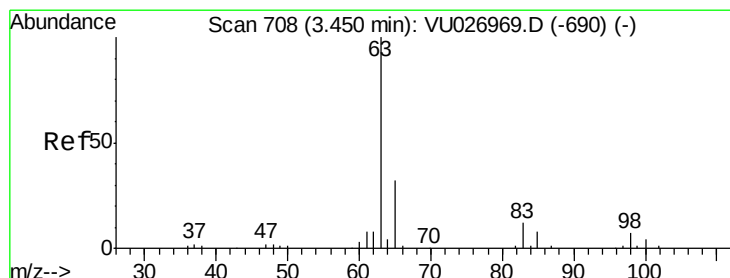
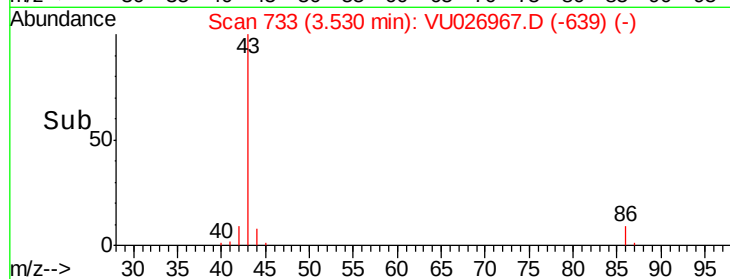
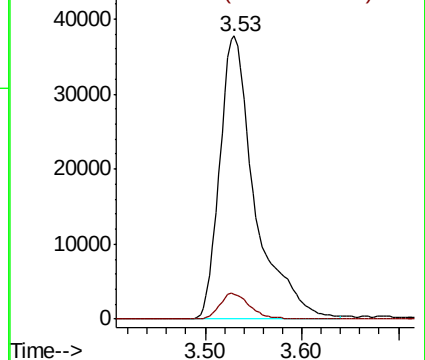
43 100

86 9.0 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU026967.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026967.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 6.901 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

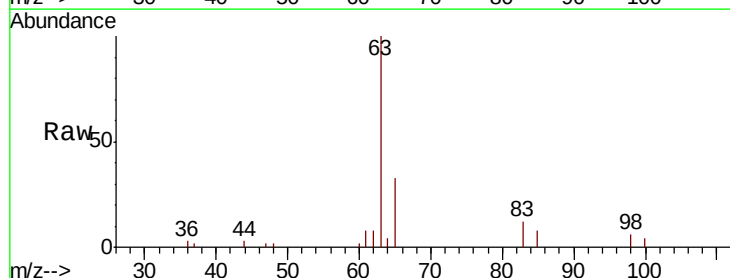
Tgt Ion: 63 Resp: 13907

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

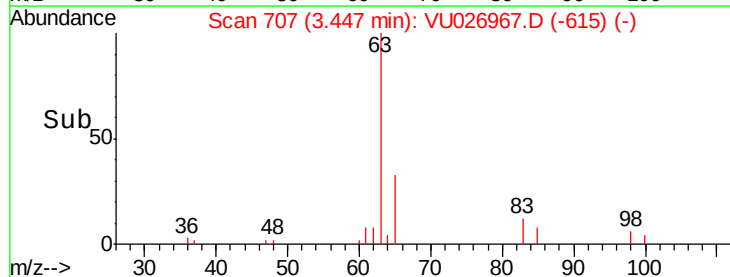
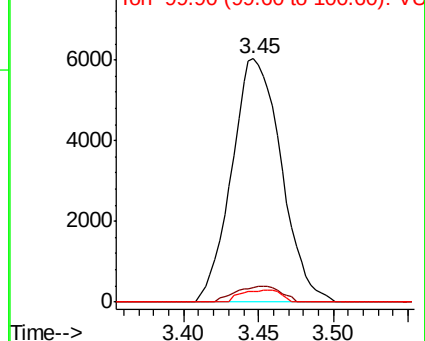
100 4.5 2.0 5.8

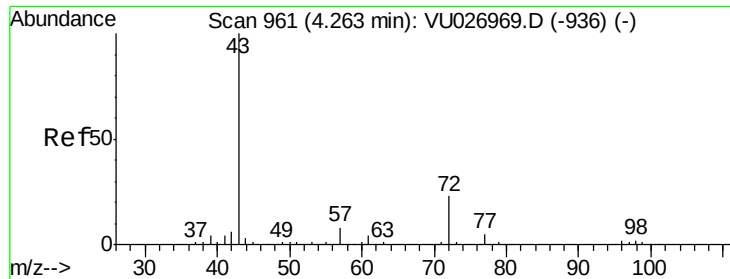


Abundance Ion 62.90 (62.60 to 63.60): VU026967.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU026967.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU026967.D (-615) (-)





#25

2-Butanone

Concen: 35.993 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

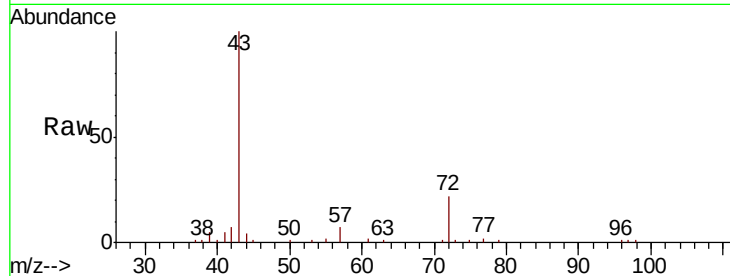
VSTDIC005

Tgt Ion: 43 Resp: 35007

Ion Ratio Lower Upper

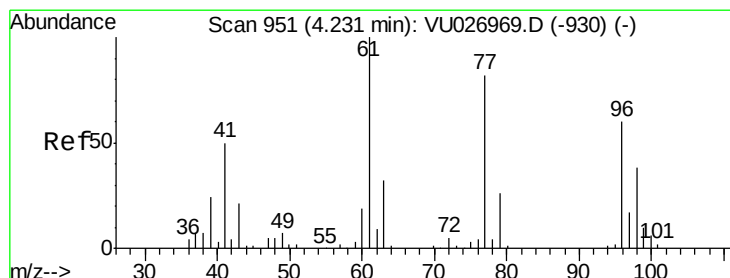
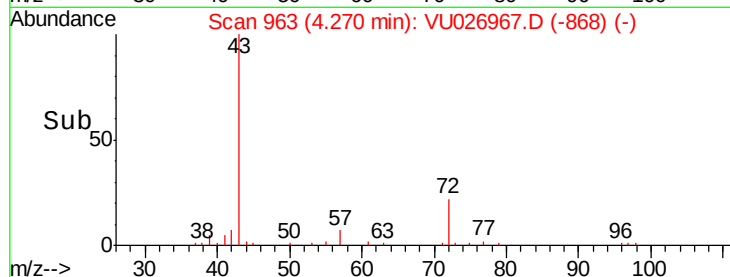
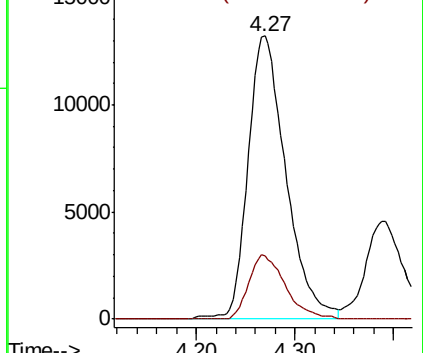
43 100

72 22.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU026967.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU026967.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 6.658 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026967.D

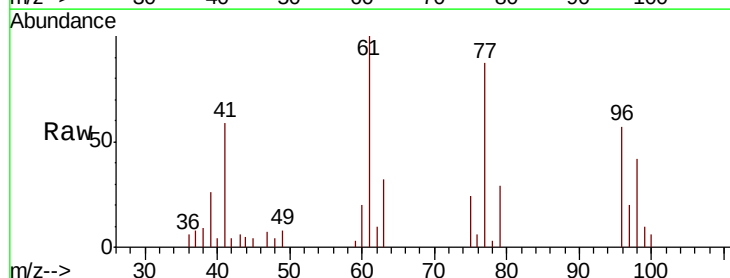
Acq: 21 Sep 2018 14:51

Tgt Ion: 77 Resp: 10898

Ion Ratio Lower Upper

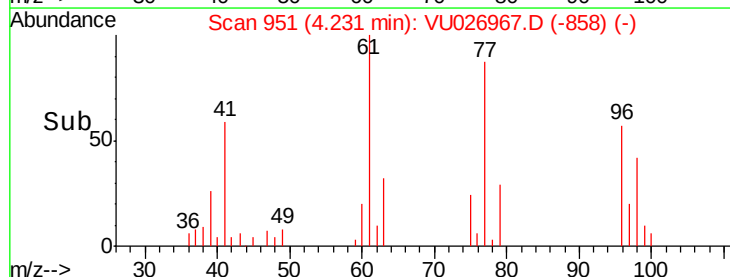
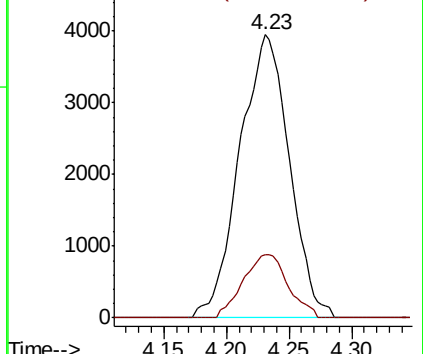
77 100

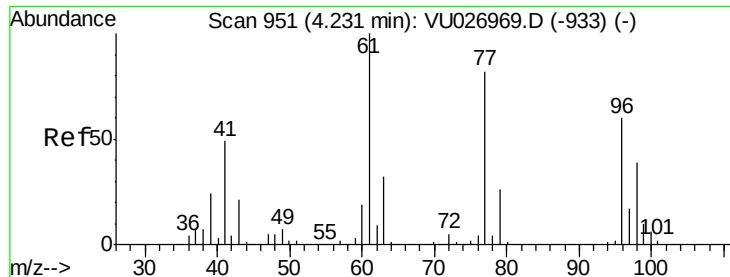
97 20.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026967.D (-858) (-)

Ion 96.90 (96.60 to 97.60): VU026967.D (-858) (-)



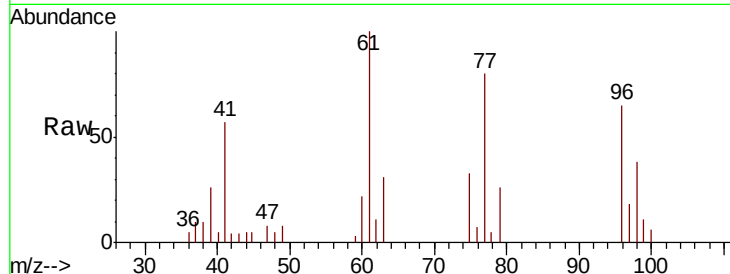


#27

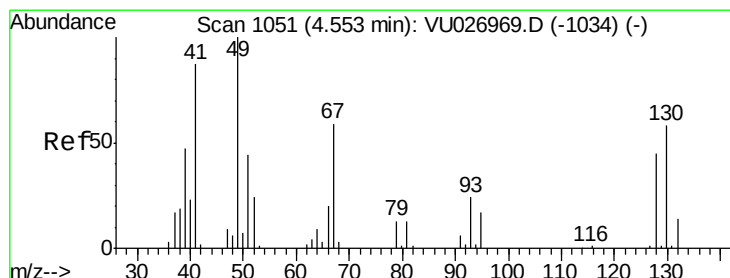
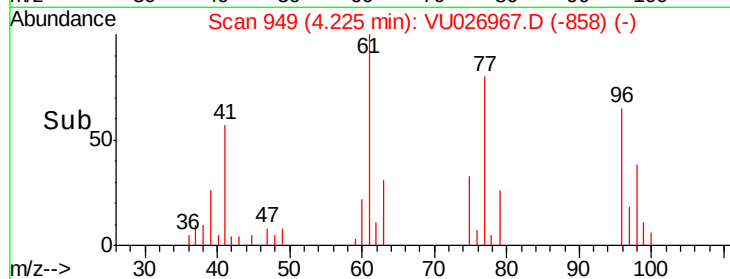
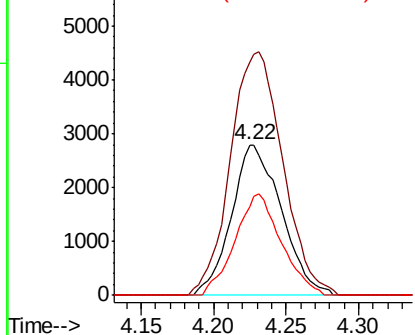
cis-1,2-Dichloroethene
 Concen: 5.916 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 6668
 Ion Ratio Lower Upper
 96 100
 61 170.1 0.0 337.2
 98 62.3 0.0 127.6



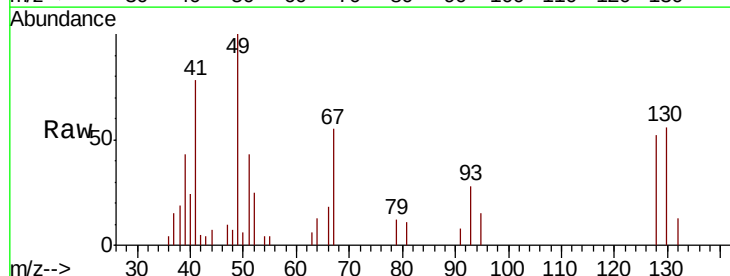
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



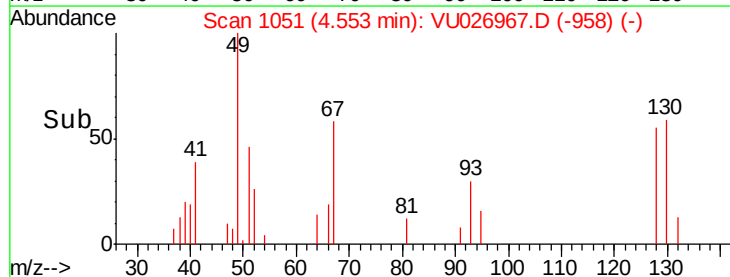
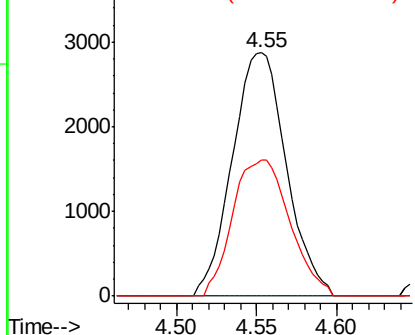
#28

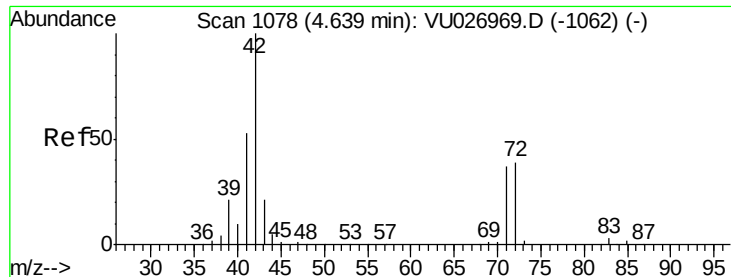
Bromochloromethane
 Concen: 6.847 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 49 Resp: 6648
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.0
 130 59.1 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: 32.447 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

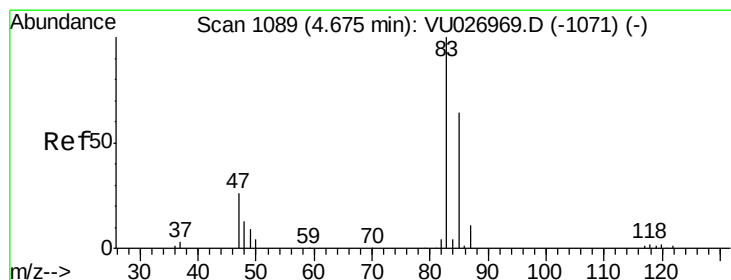
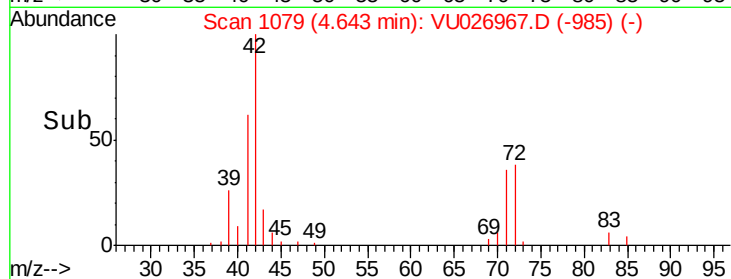
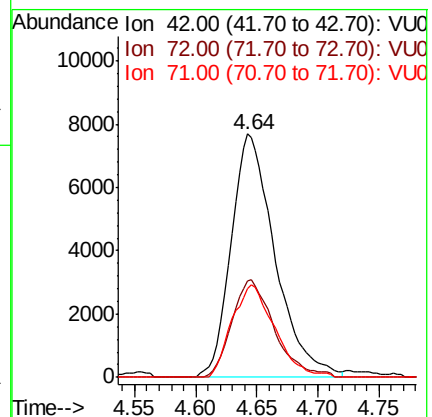
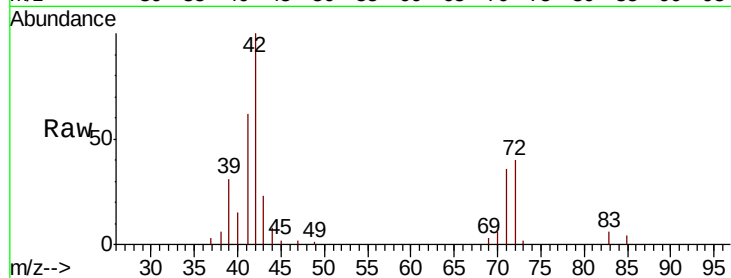
Tgt Ion: 42 Resp: 19211

Ion Ratio Lower Upper

42 100

72 38.7 31.7 47.5

71 37.1 29.6 44.4



#30

Chloroform

Concen: 6.437 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026967.D

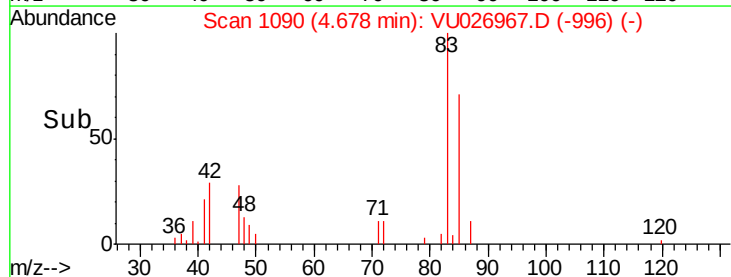
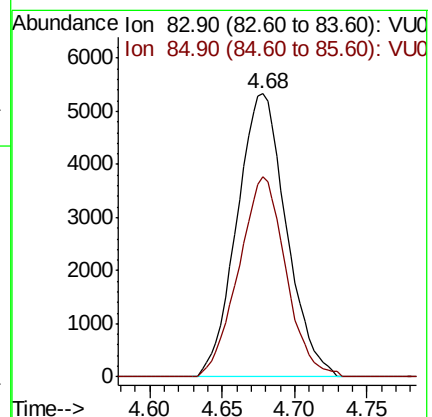
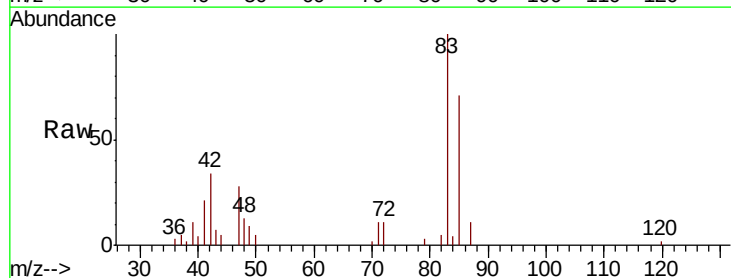
Acq: 21 Sep 2018 14:51

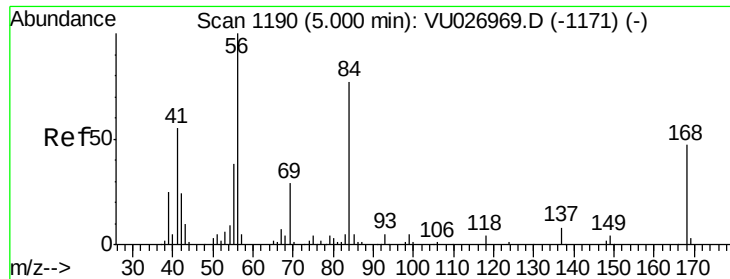
Tgt Ion: 83 Resp: 12614

Ion Ratio Lower Upper

83 100

85 70.7 51.5 77.3

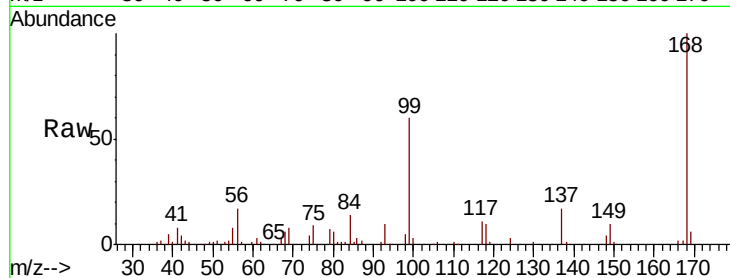




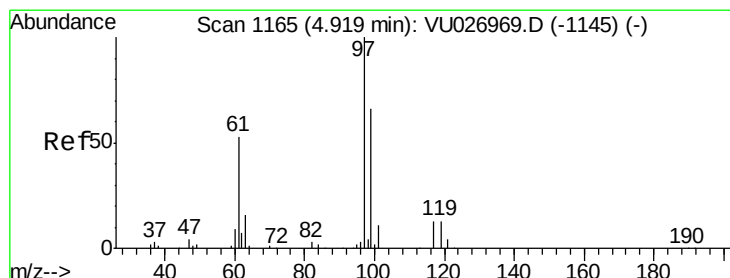
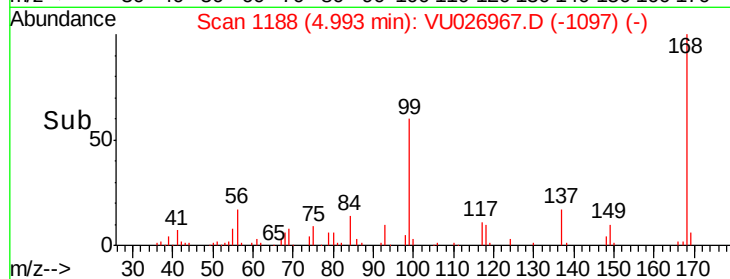
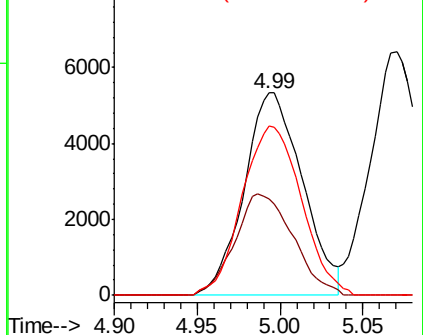
#31
Cyclohexane
Concen: 6.287 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 13066
Ion Ratio Lower Upper
56 100
69 47.6 23.0 34.4#
84 83.6 61.4 92.2

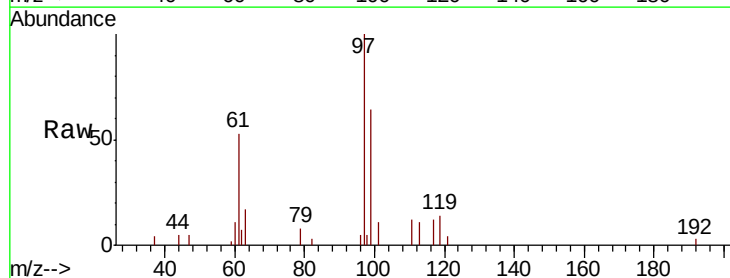


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

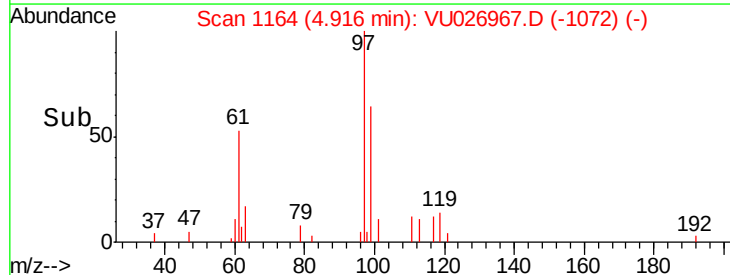
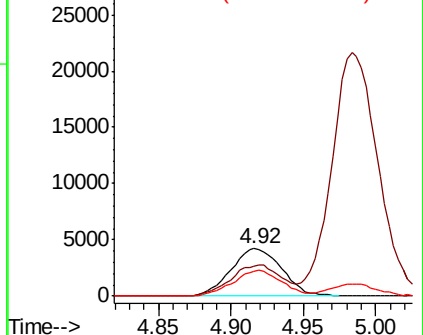


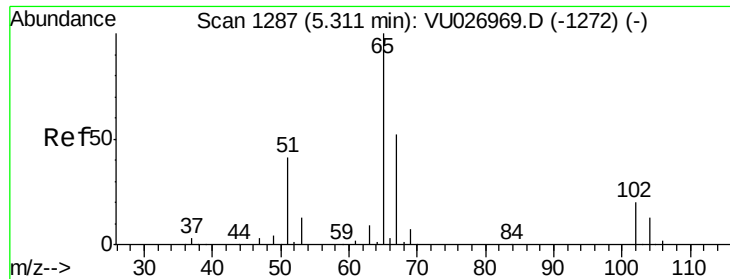
#32
1,1,1-Trichloroethane
Concen: 6.373 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 97 Resp: 10256
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 52.0 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

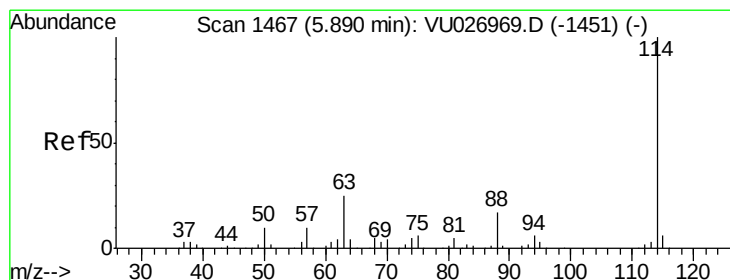
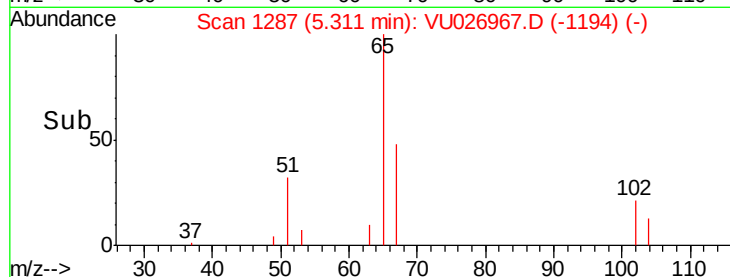
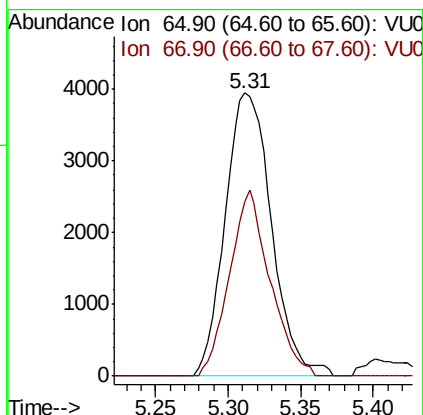
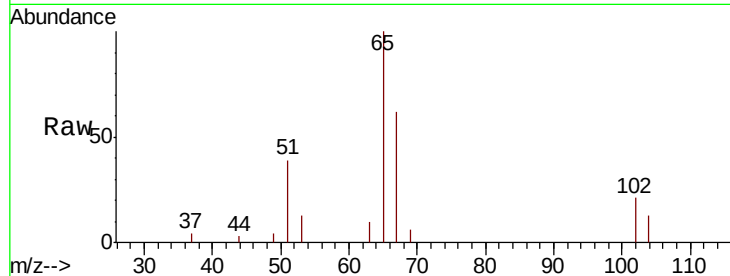




#33
 1,2-Dichloroethane-d4
 Concen: 6.913 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

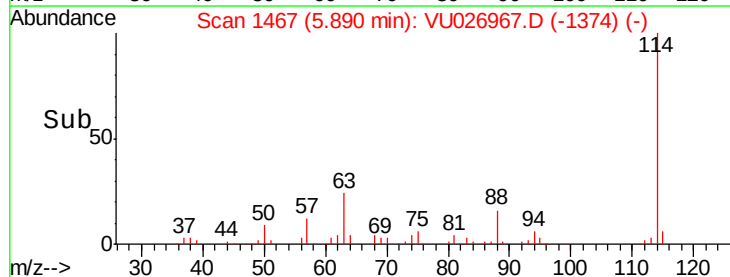
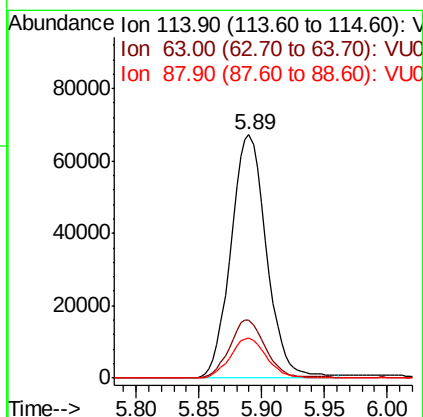
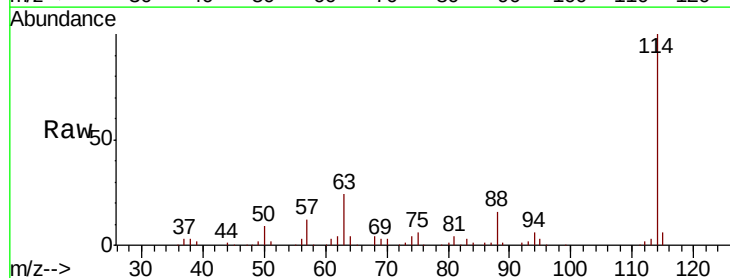
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

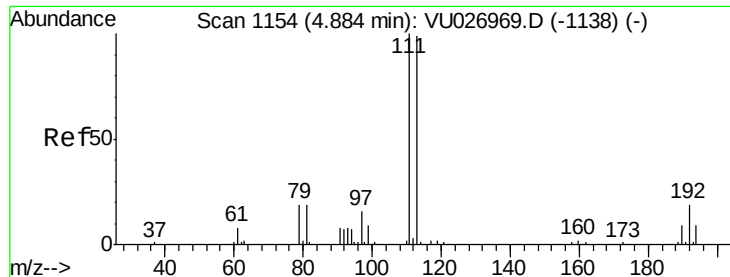
Tgt Ion: 65 Resp: 8765
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 114 Resp: 132995
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 16.2 0.0 33.8

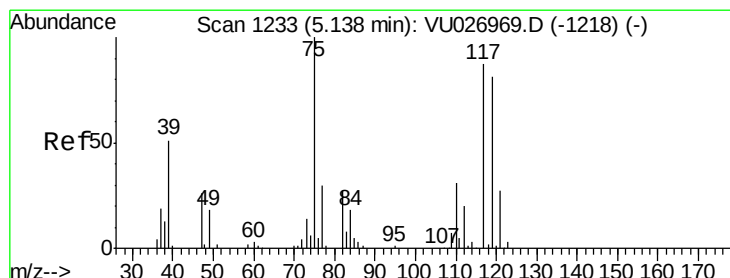
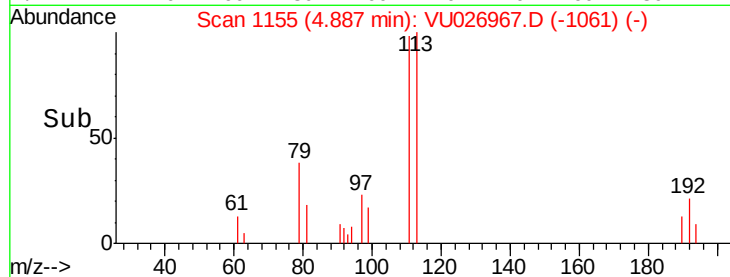
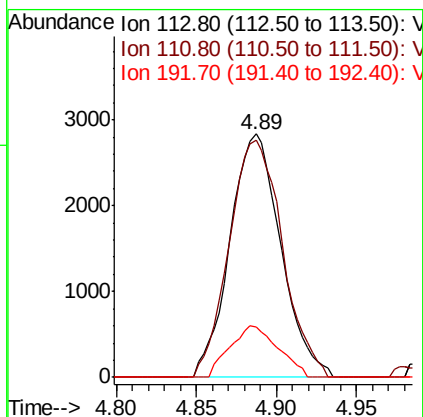
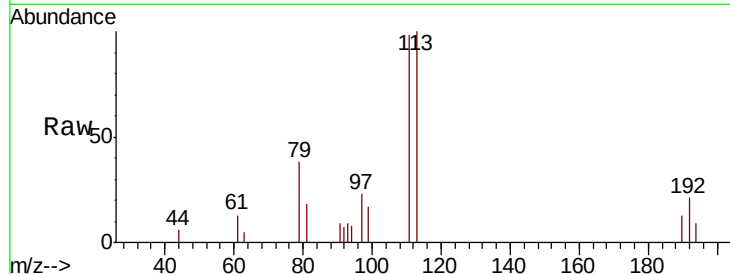




#35
 Dibromofluoromethane
 Concen: 5.597 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

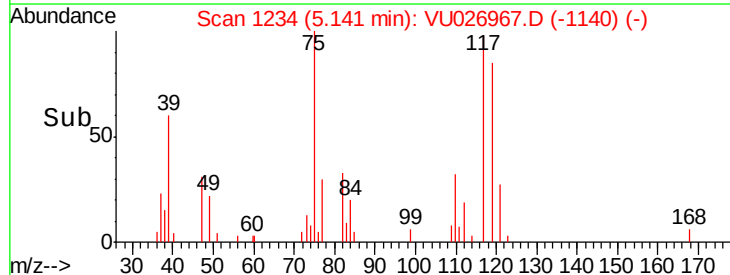
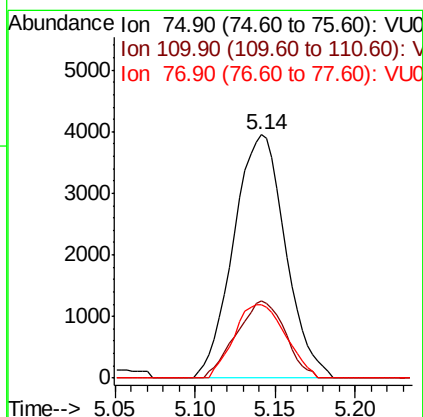
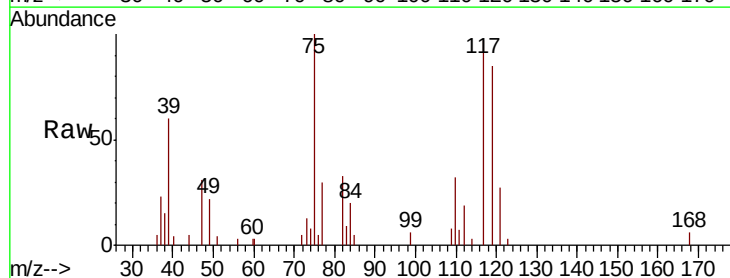
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

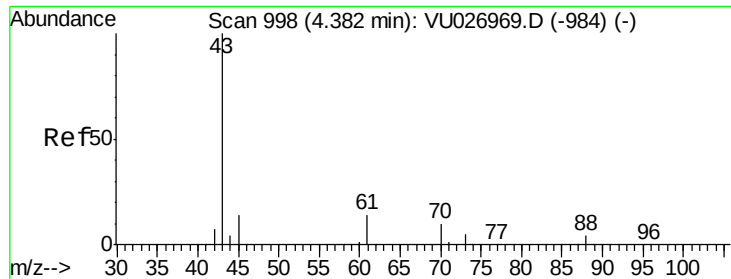
Tgt Ion: 113 Resp: 6180
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 20.0 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 5.707 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 75 Resp: 8764
 Ion Ratio Lower Upper
 75 100
 110 29.8 16.1 48.2
 77 29.9 24.6 36.8

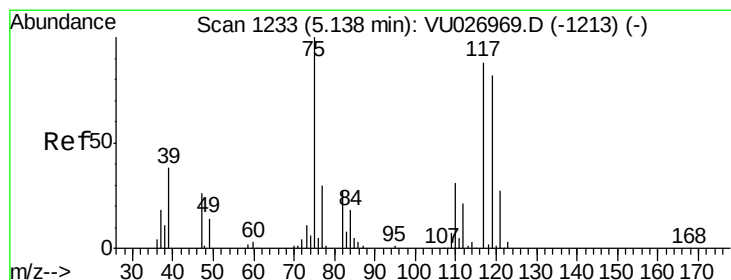
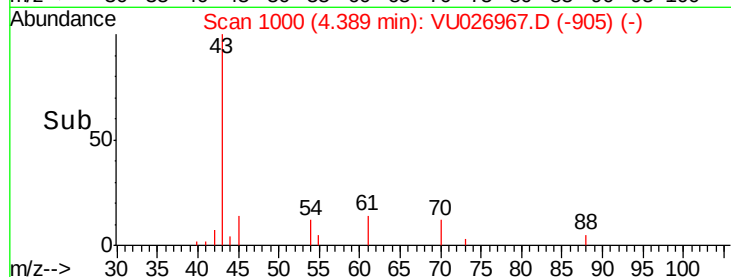
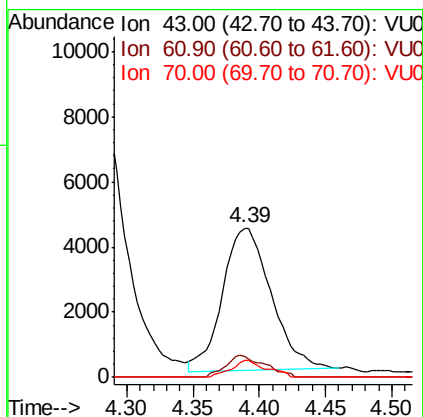
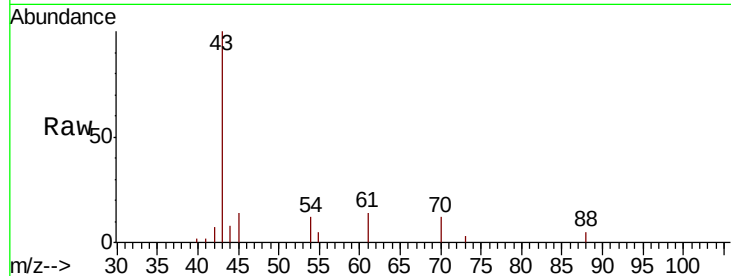




#37
Ethyl Acetate
Concen: 5.927 ug/l
RT: 4.39 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

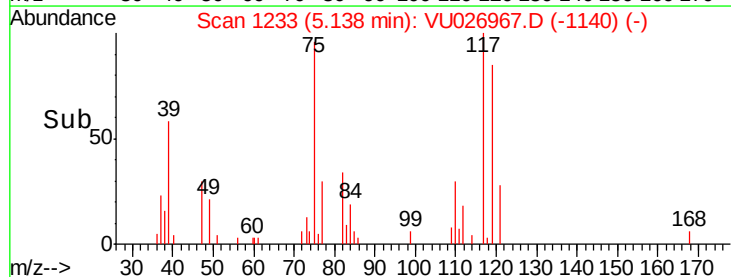
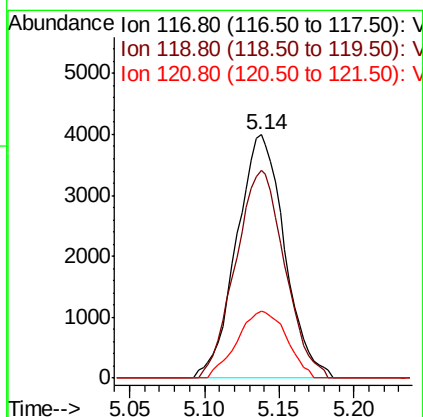
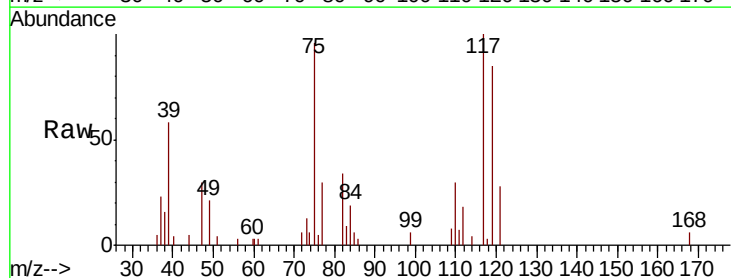
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

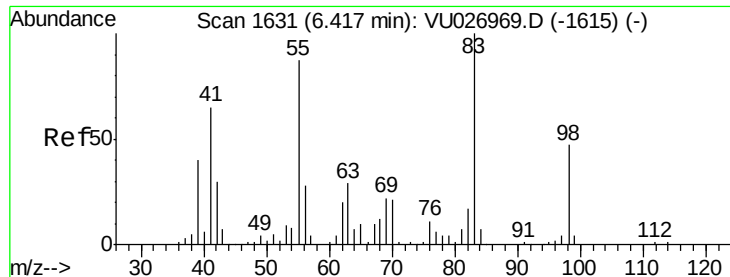
Tgt Ion: 43 Resp: 11242
Ion Ratio Lower Upper
43 100
61 12.5 10.5 15.7
70 8.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 117 Resp: 8910
Ion Ratio Lower Upper
117 100
119 85.2 74.4 111.6
121 27.6 24.2 36.4

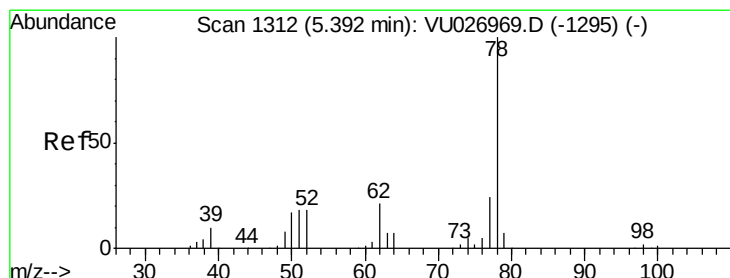
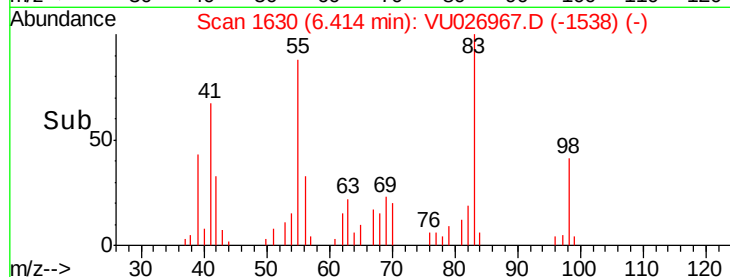
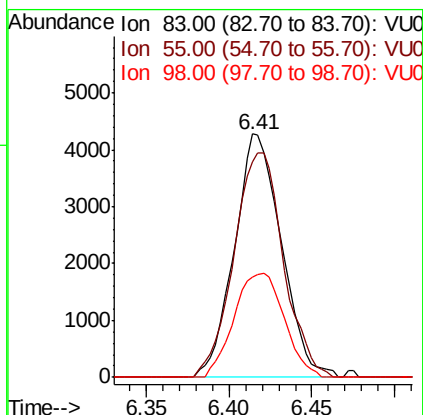
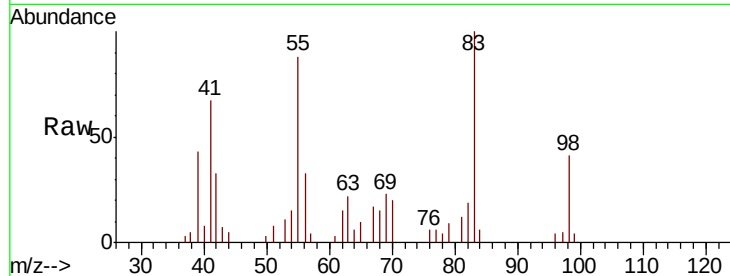




#39
Methylcyclohexane
Concen: 4.665 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

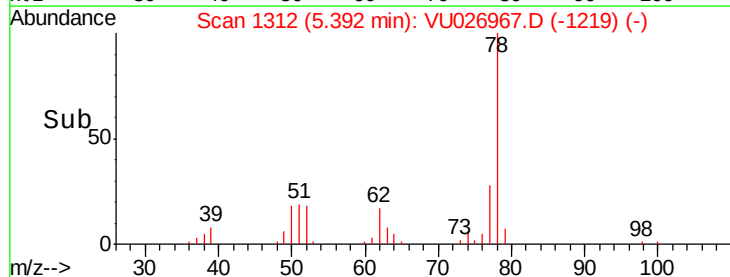
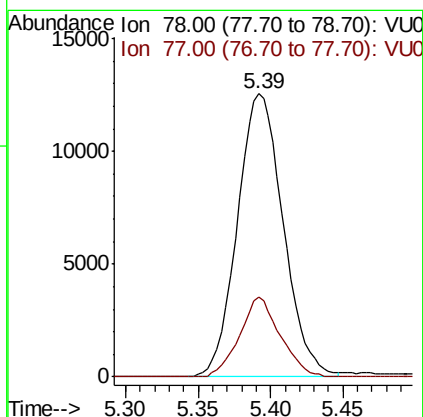
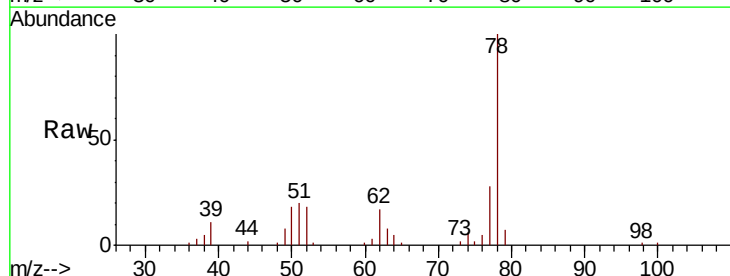
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

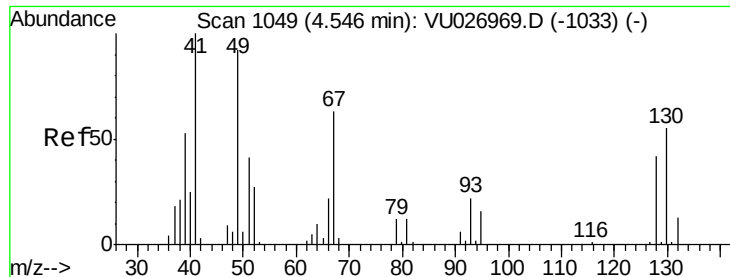
Tgt Ion: 83 Resp: 8438
Ion Ratio Lower Upper
83 100
55 88.5 69.9 104.9
98 41.1 37.5 56.3



#40
Benzene
Concen: 5.803 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 78 Resp: 27562
Ion Ratio Lower Upper
78 100
77 28.2 19.4 29.0





#41

Methacrylonitrile

Concen: 6.070 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5999

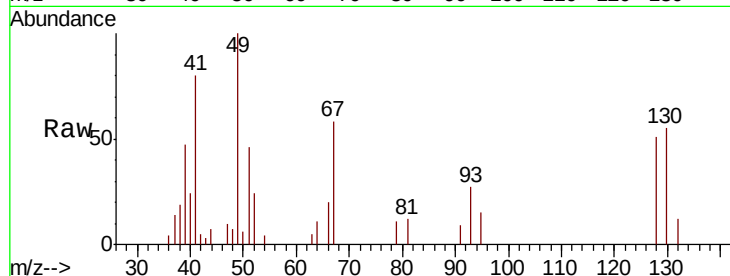
Ion Ratio Lower Upper

41 100

39 54.9 42.9 64.3

67 65.0 52.4 78.6

52 27.2 21.3 31.9

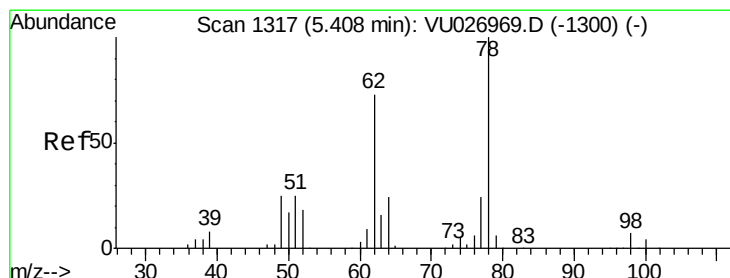
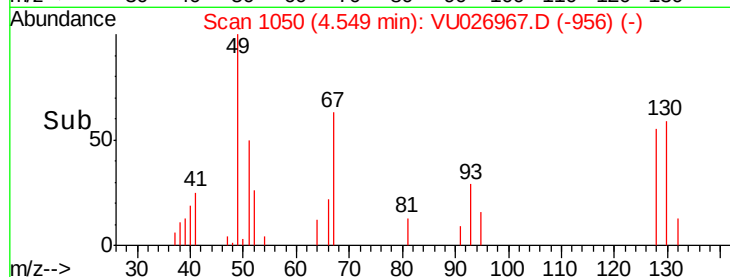
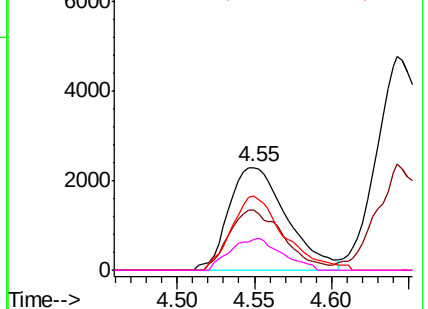


Abundance Ion 41.00 (40.70 to 41.70): VU026967.D (-1033) (-)

Ion 39.00 (38.70 to 39.70): VU026967.D (-1033) (-)

Ion 67.00 (66.70 to 67.70): VU026967.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VU026967.D (-1033) (-)



#42

1,2-Dichloroethane

Concen: 6.108 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU026967.D

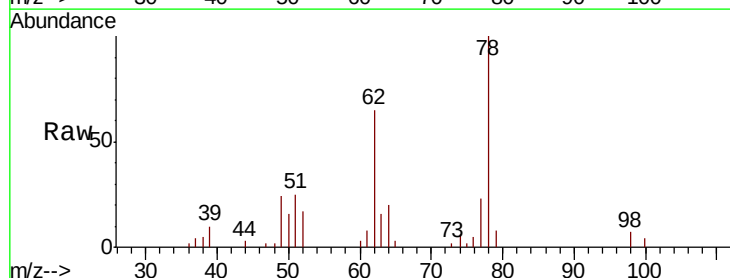
Acq: 21 Sep 2018 14:51

Tgt Ion: 62 Resp: 10518

Ion Ratio Lower Upper

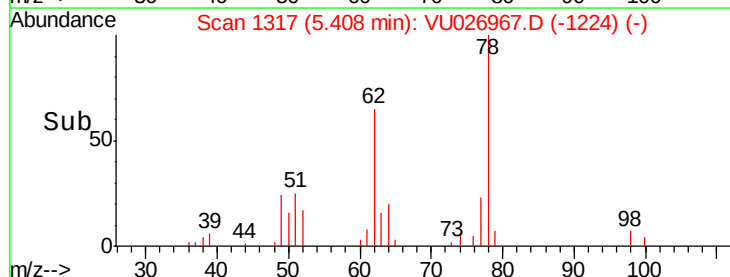
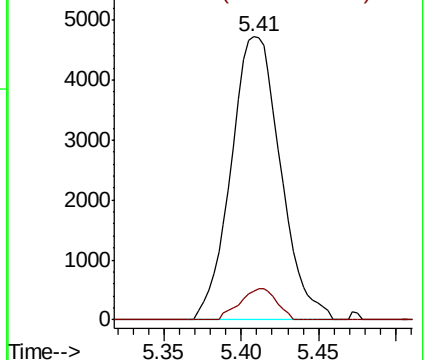
62 100

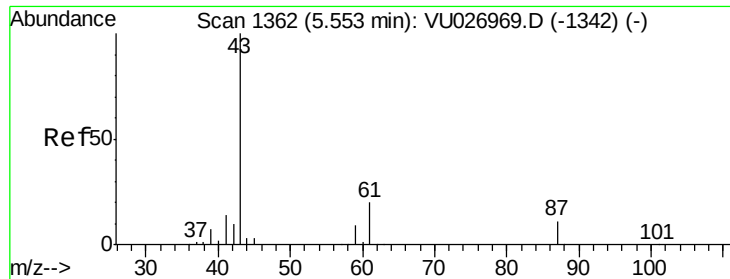
98 8.2 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU026967.D (-1224) (-)

Ion 97.90 (97.60 to 98.60): VU026967.D (-1224) (-)

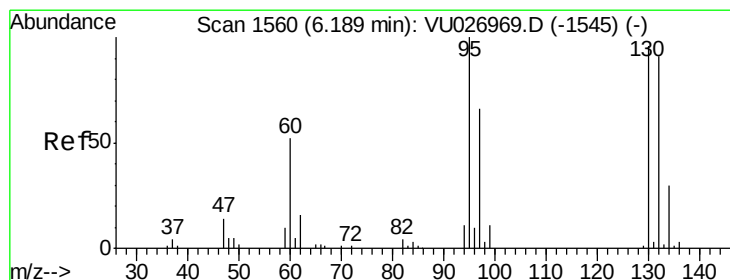
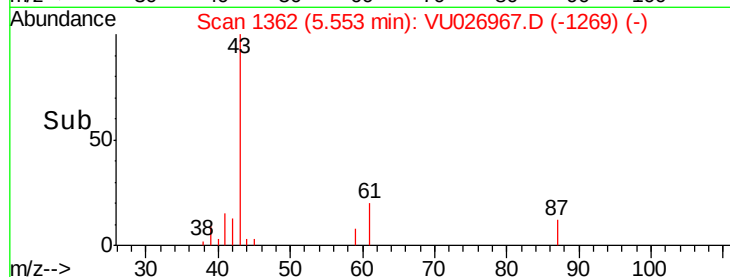
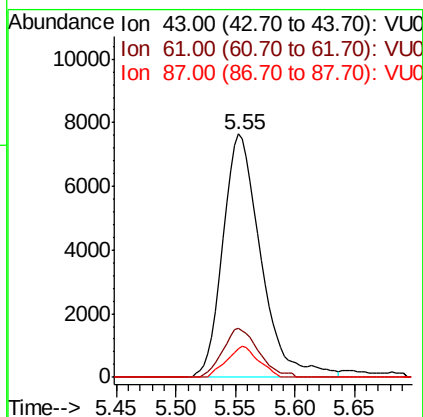
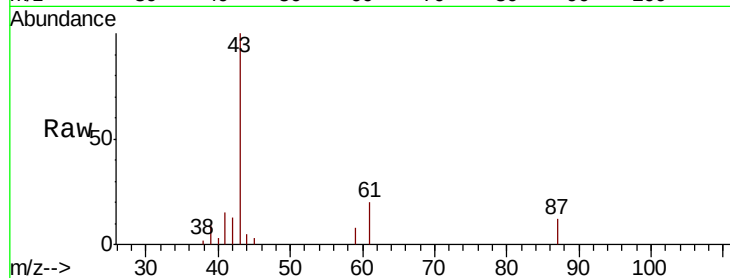




#43
Isopropyl Acetate
Concen: 5.904 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

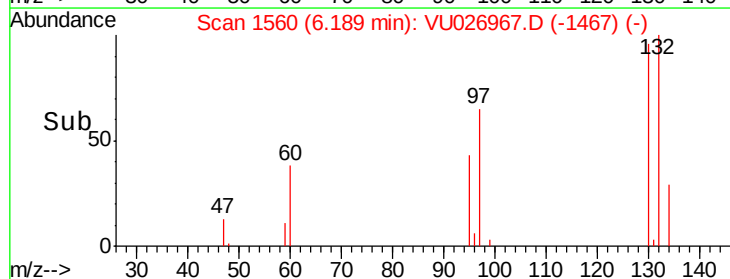
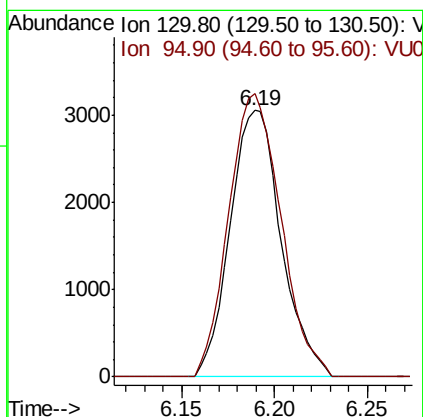
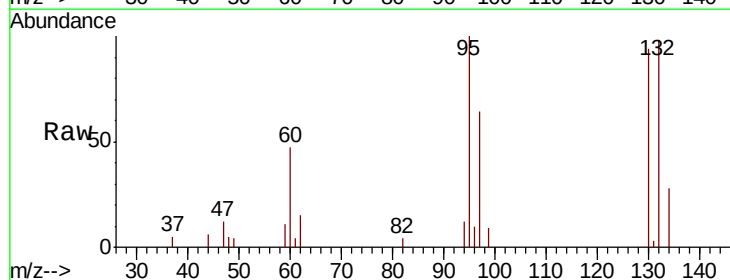
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

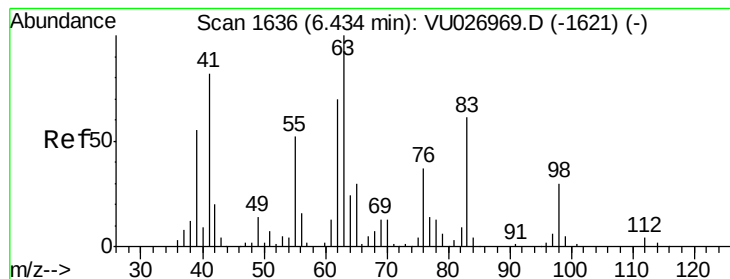
Tgt Ion: 43 Resp: 16918
Ion Ratio Lower Upper
43 100
61 18.8 15.7 23.5
87 10.6 9.0 13.4



#44
Trichloroethene
Concen: 5.098 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 130 Resp: 5854
Ion Ratio Lower Upper
130 100
95 106.3 0.0 208.8





#45

1,2-Dichloropropane

Concen: 6.208 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

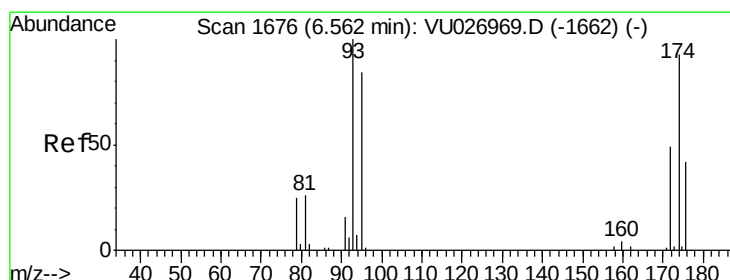
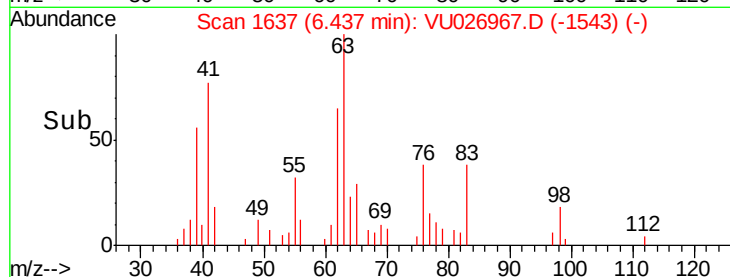
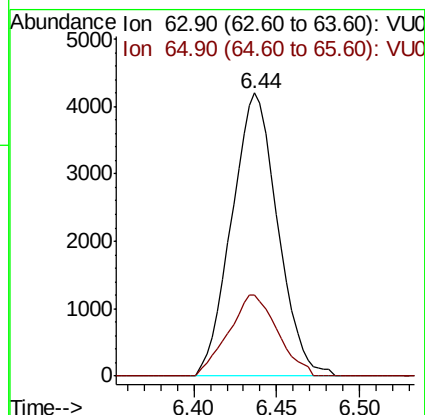
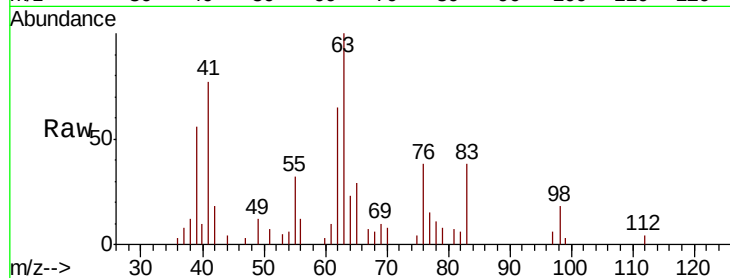
VSTDIC005

Tgt Ion: 63 Resp: 8090

Ion Ratio Lower Upper

63 100

65 28.6 24.3 36.5



#46

Dibromomethane

Concen: 5.920 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

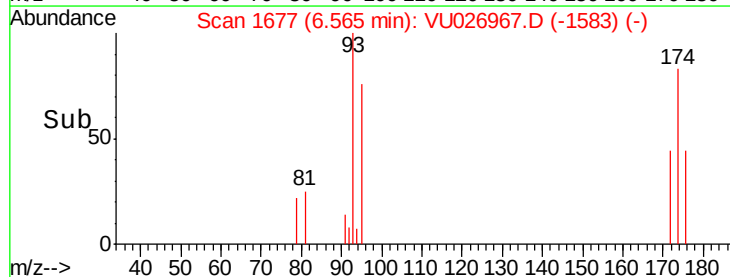
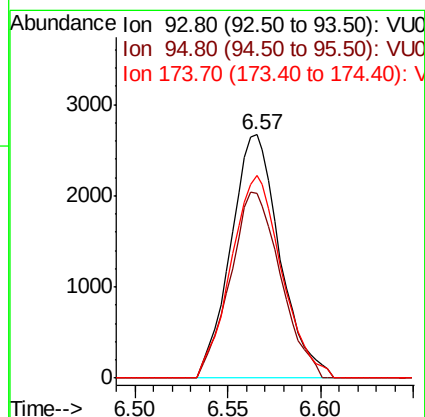
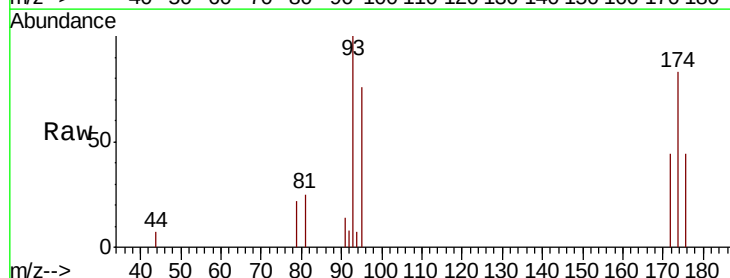
Tgt Ion: 93 Resp: 4896

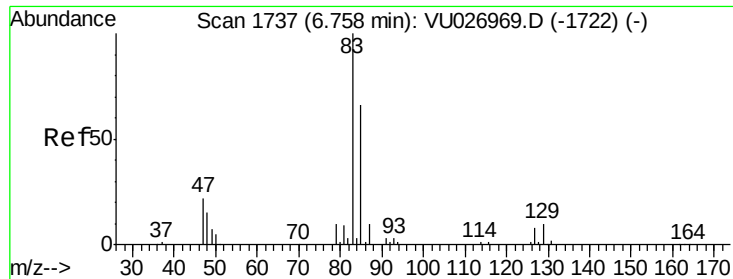
Ion Ratio Lower Upper

93 100

95 78.3 66.2 99.4

174 86.1 71.7 107.5





#47

Bromodichloromethane

Concen: 5.899 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

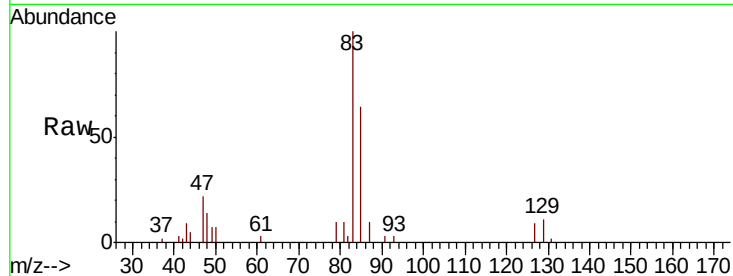
Tgt Ion: 83 Resp: 9662

Ion Ratio Lower Upper

83 100

85 64.3 52.5 78.7

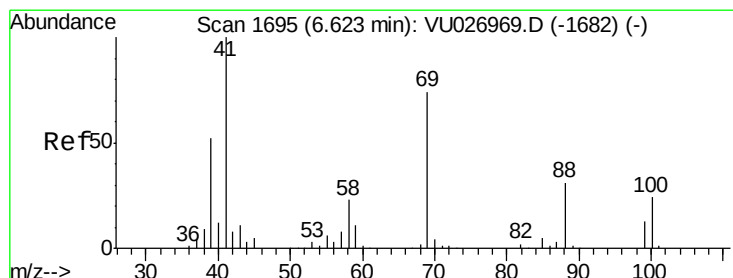
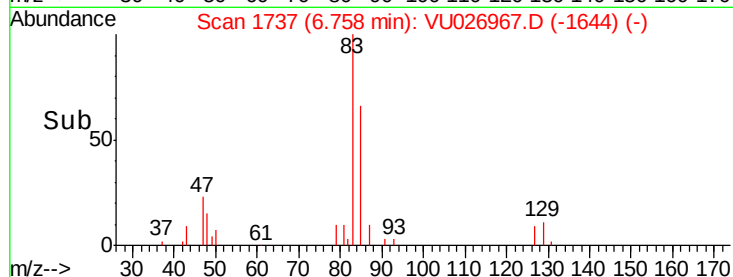
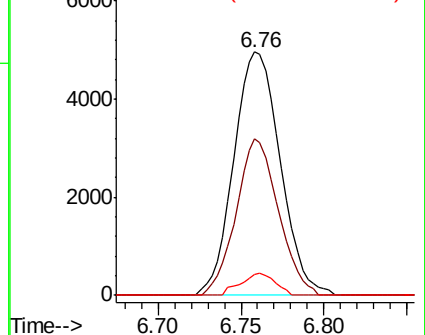
127 8.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): VU0



#48

Methyl methacrylate

Concen: 5.456 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

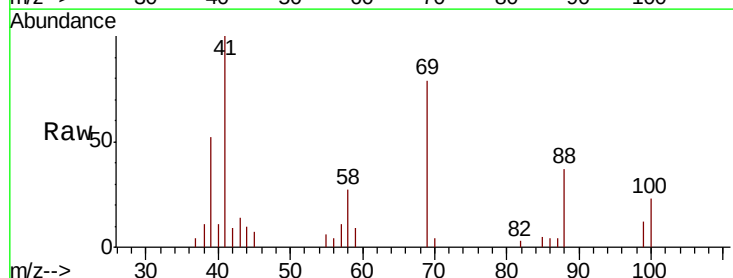
Tgt Ion: 41 Resp: 7746

Ion Ratio Lower Upper

41 100

69 75.7 60.6 90.8

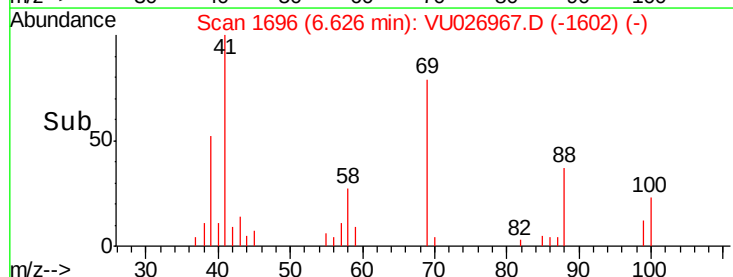
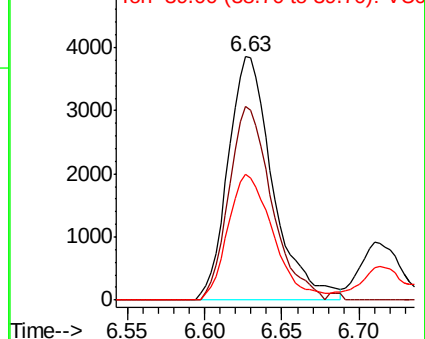
39 52.4 42.8 64.2

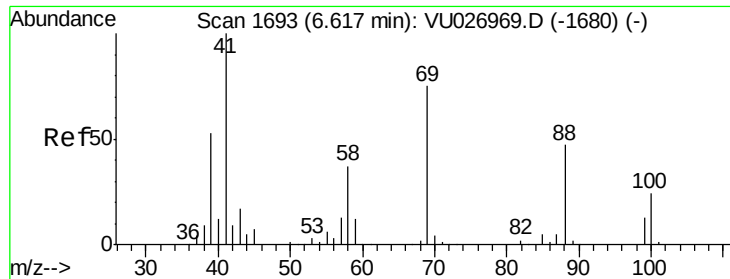


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

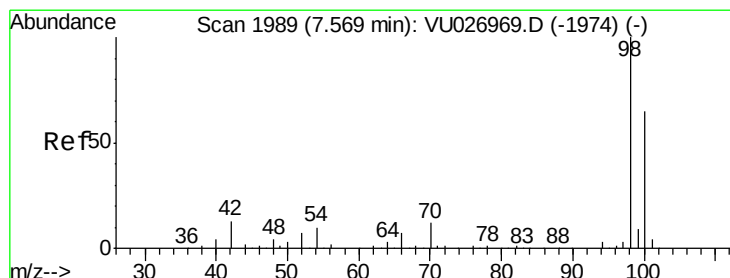
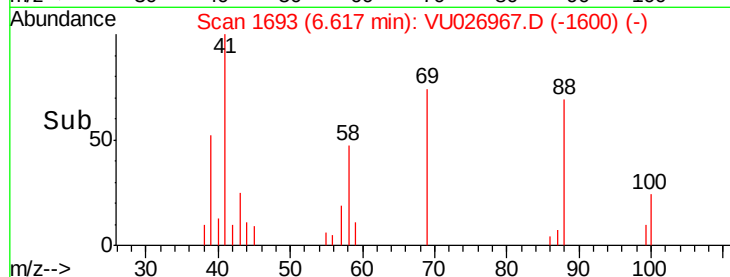
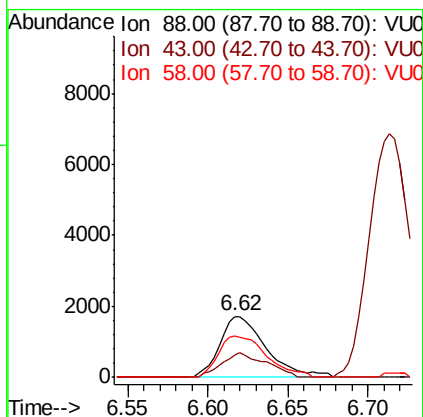
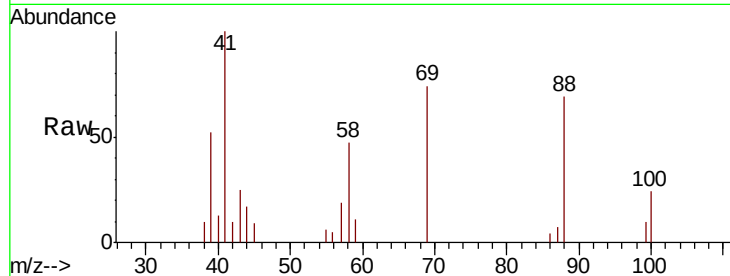




#49
1,4-Dioxane
Concen: 105.441 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

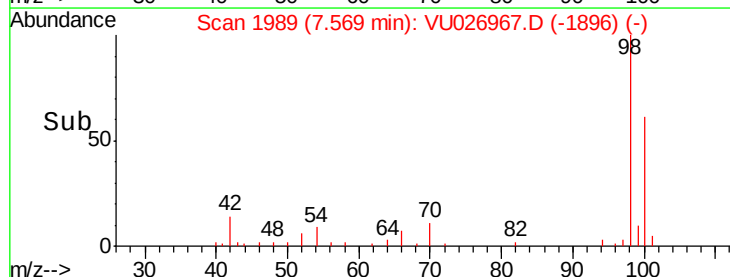
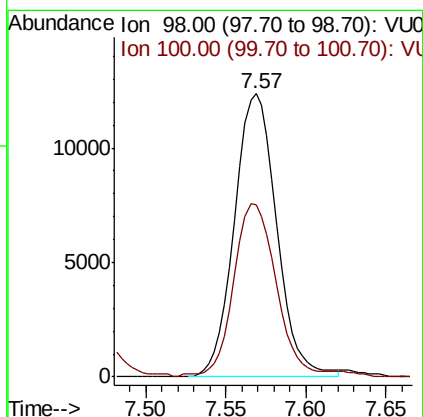
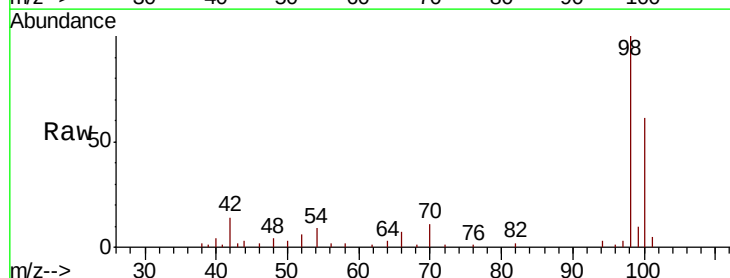
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

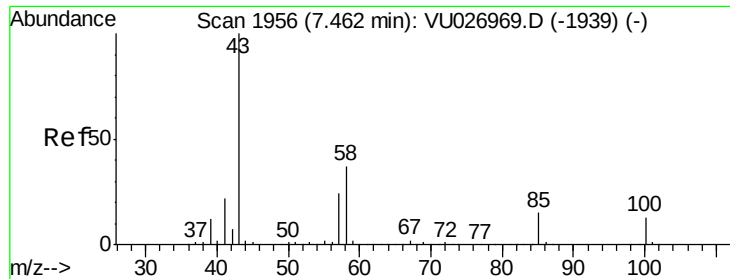
Tgt Ion: 88 Resp: 3364
Ion Ratio Lower Upper
88 100
43 39.3 29.8 44.8
58 71.1 63.9 95.9



#50
Toluene-d8
Concen: 5.420 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 98 Resp: 22327
Ion Ratio Lower Upper
98 100
100 61.3 52.1 78.1

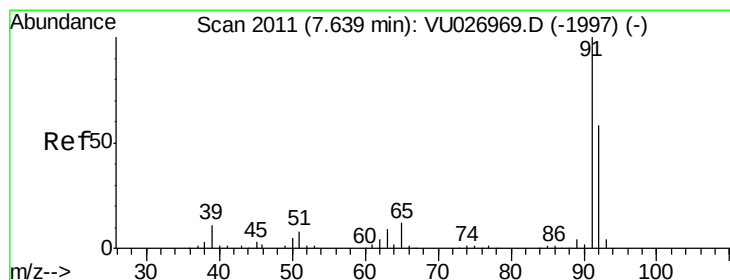
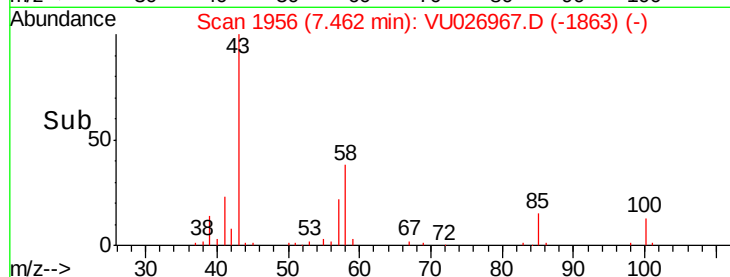
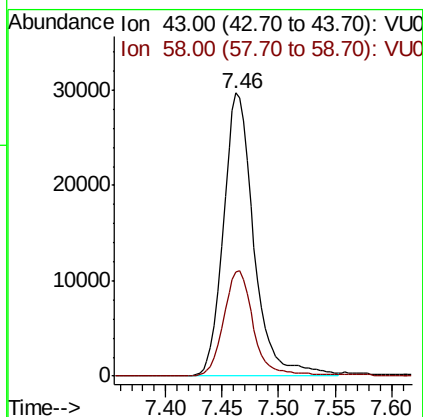
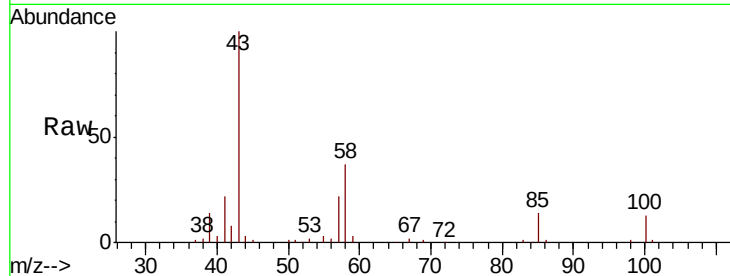




#51
4-Methyl-2-Pentanone
Concen: 28.827 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

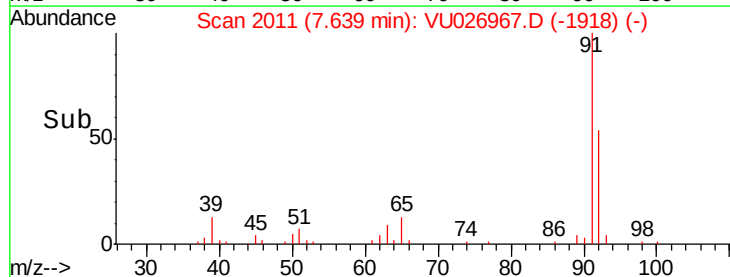
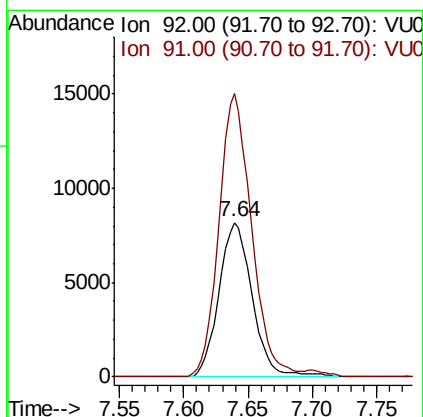
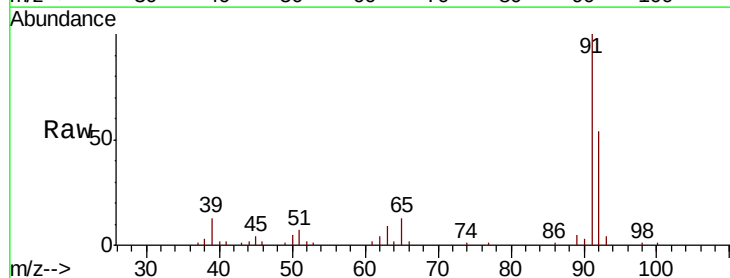
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

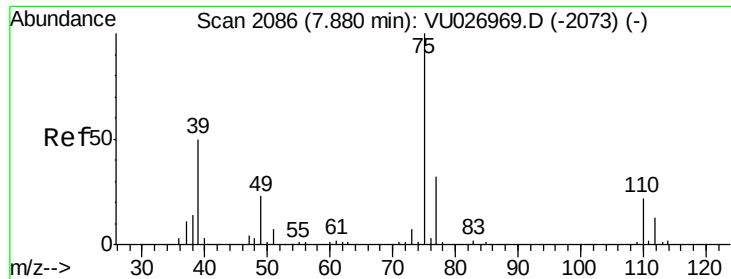
Tgt Ion: 43 Resp: 55717
Ion Ratio Lower Upper
43 100
58 36.6 29.8 44.6



#52
Toluene
Concen: 5.166 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 92 Resp: 14661
Ion Ratio Lower Upper
92 100
91 179.1 136.4 204.6

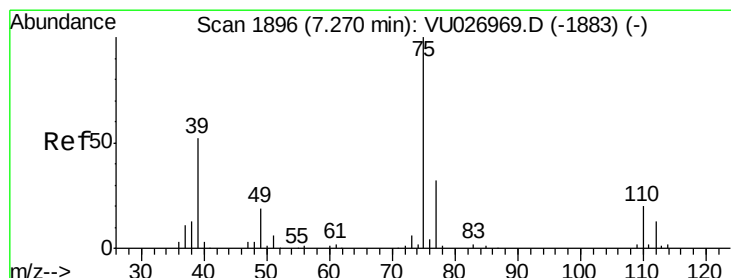
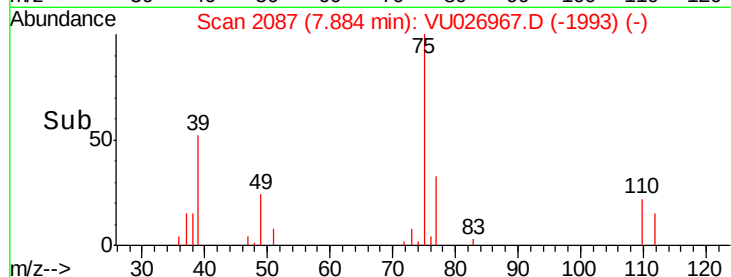
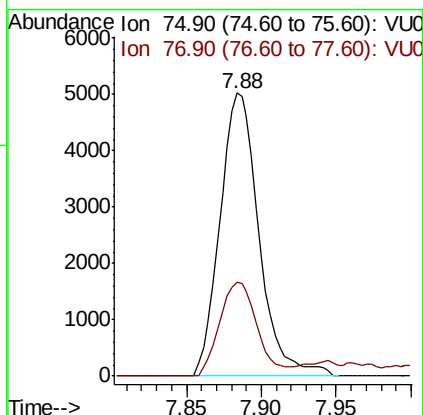
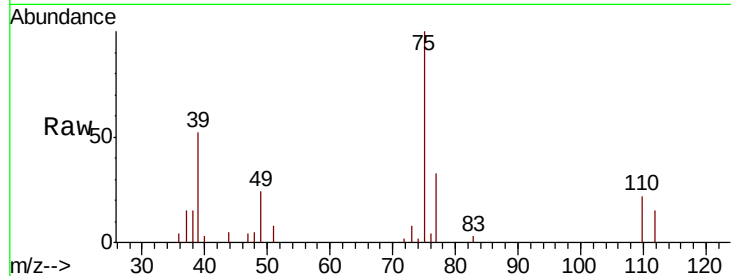




#53
t-1,3-Dichloropropene
Concen: 4.981 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

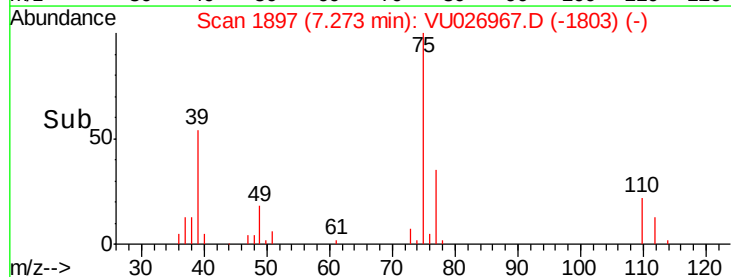
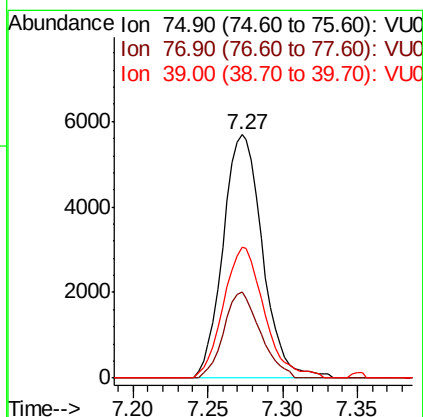
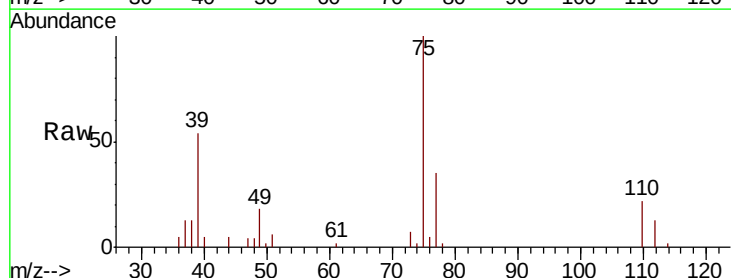
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

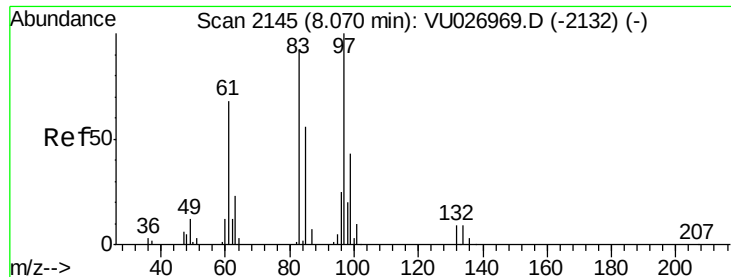
Tgt Ion: 75 Resp: 9098
Ion Ratio Lower Upper
75 100
77 33.0 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 5.314 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 75 Resp: 10464
Ion Ratio Lower Upper
75 100
77 35.3 25.4 38.0
39 53.7 41.6 62.4

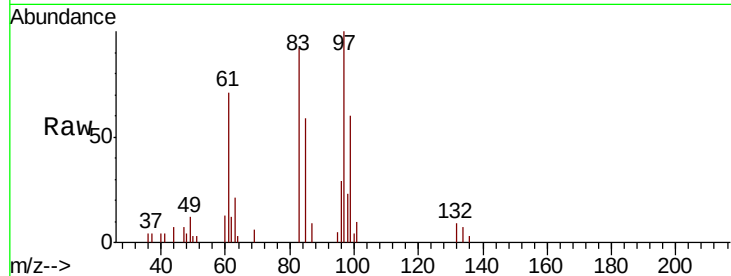




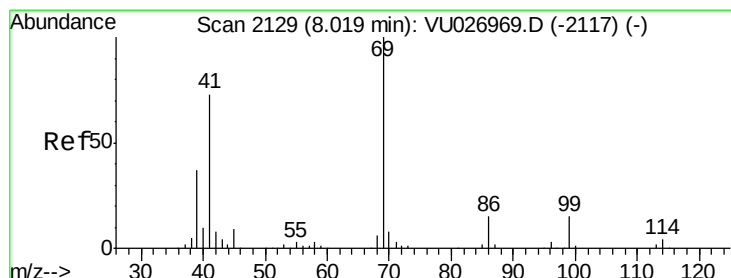
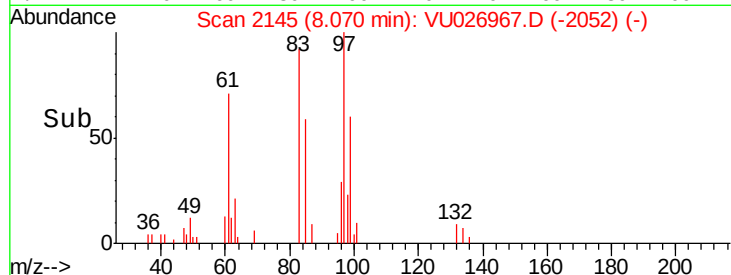
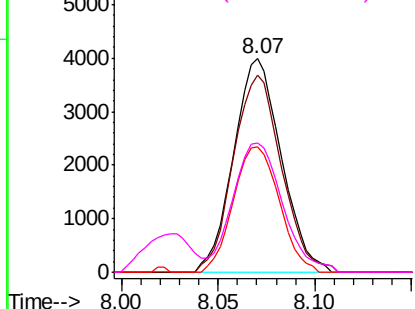
#55
 1,1,2-Trichloroethane
 Concen: 5.668 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 6842
 Ion Ratio Lower Upper
 97 100
 83 92.2 73.1 109.7
 85 58.6 46.7 70.1
 99 60.4 50.0 75.0

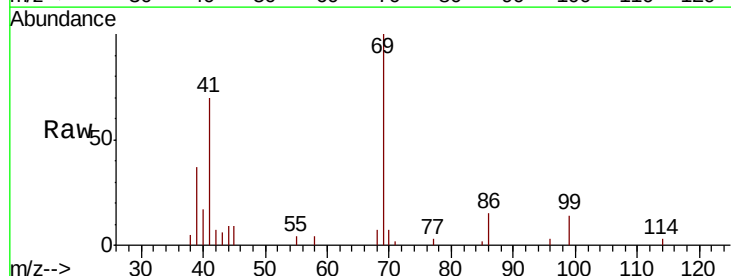


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

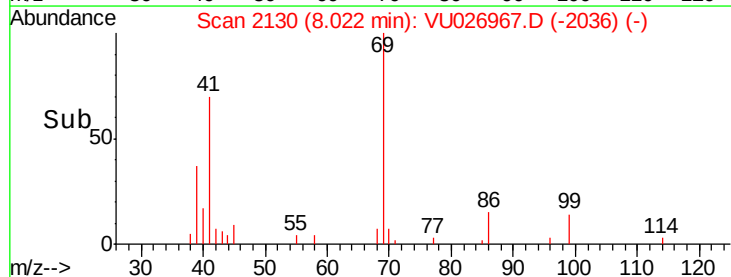
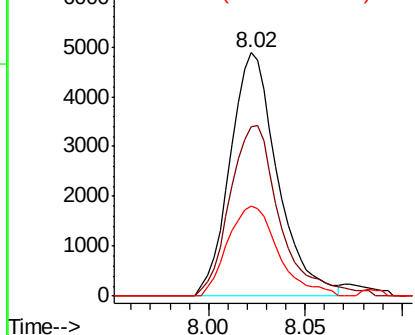


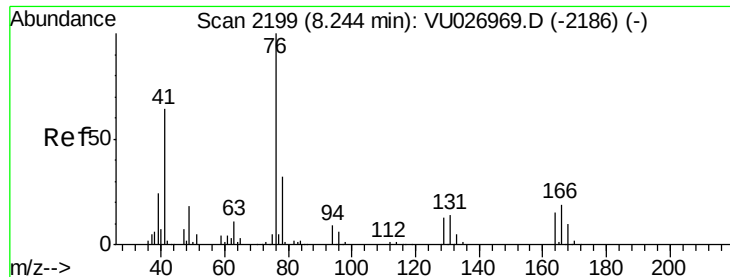
#56
 Ethyl methacrylate
 Concen: 4.681 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 69 Resp: 8326
 Ion Ratio Lower Upper
 69 100
 41 74.0 59.0 88.4
 39 39.3 30.2 45.4



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

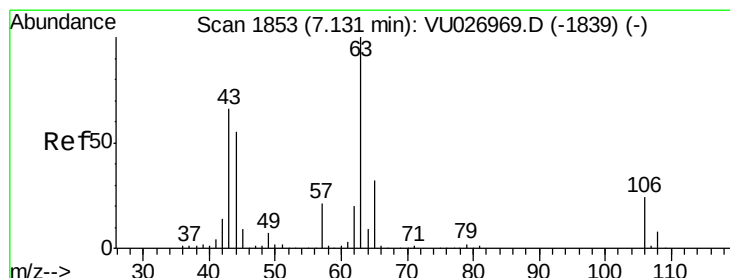
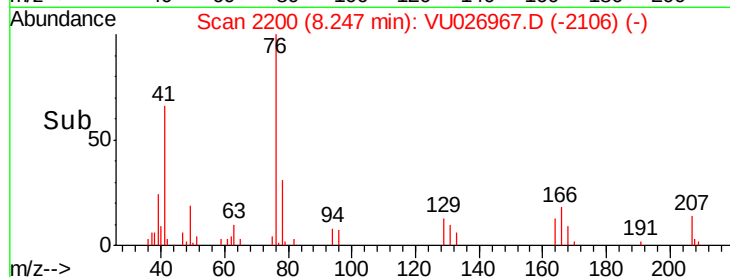
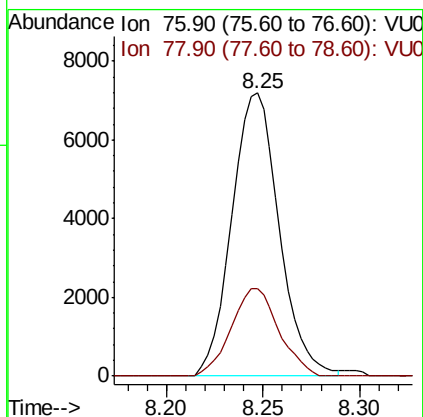
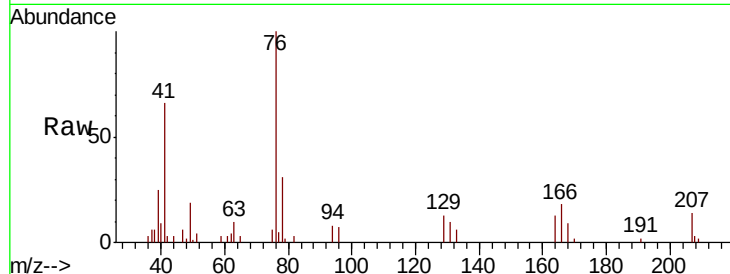




#57
 1,3-Dichloropropane
 Concen: 5.847 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

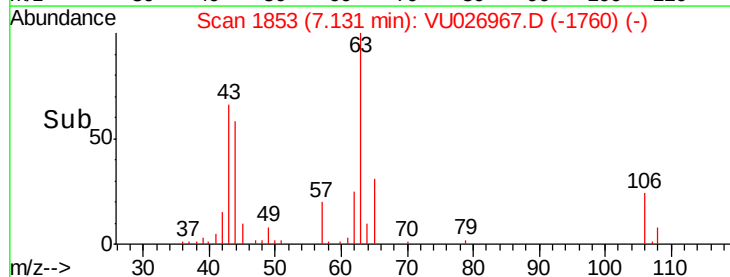
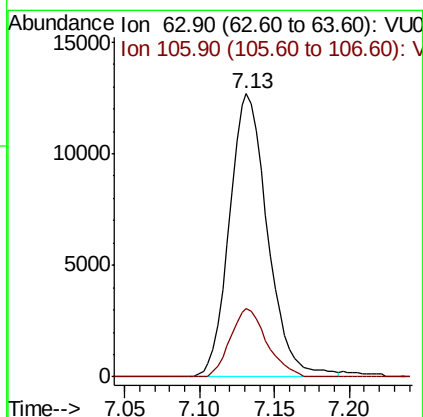
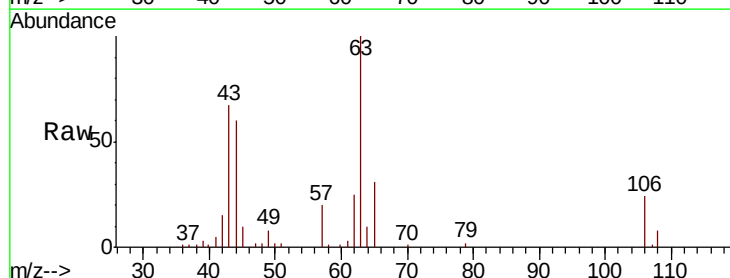
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

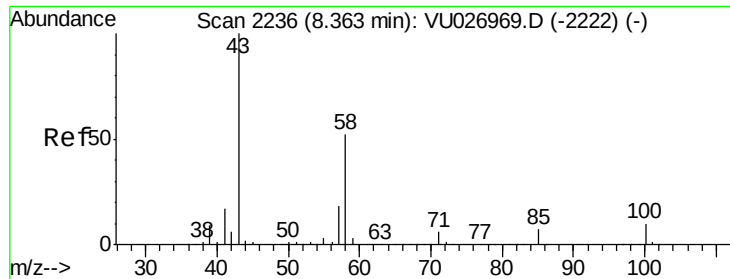
Tgt Ion: 76 Resp: 12247
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.743 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 63 Resp: 22558
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.7 28.1

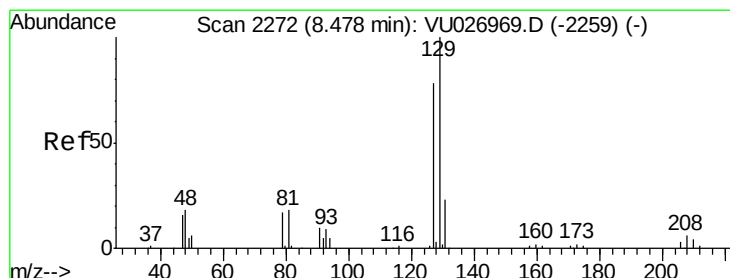
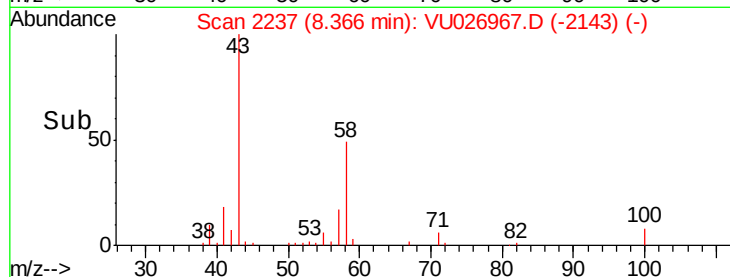
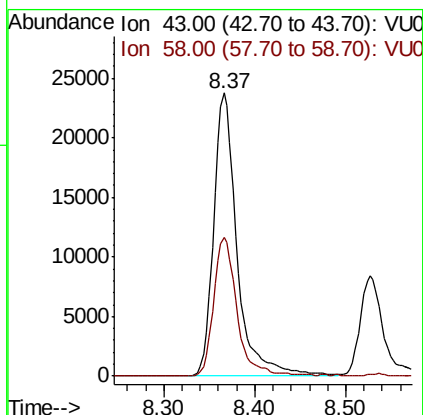
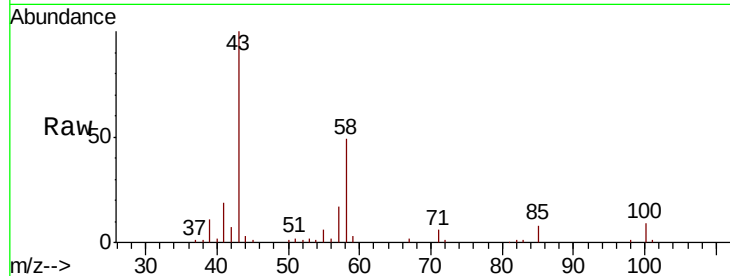




#59
2-Hexanone
Concen: 28.123 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

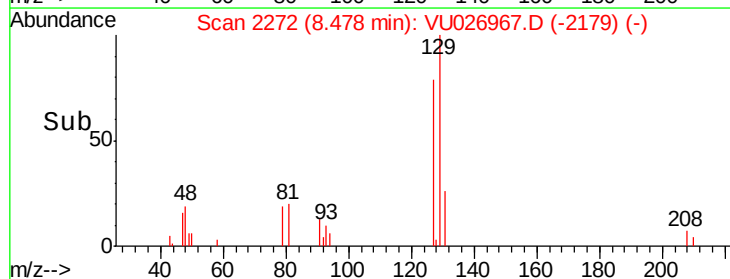
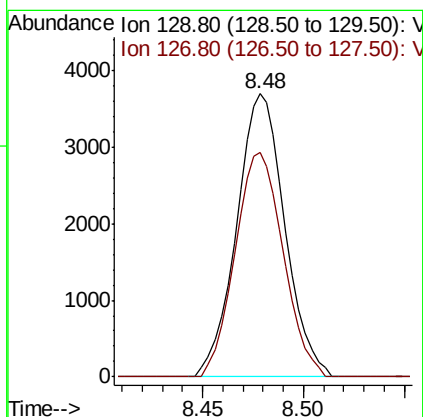
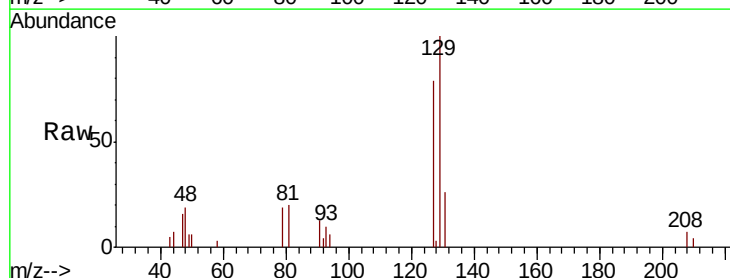
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

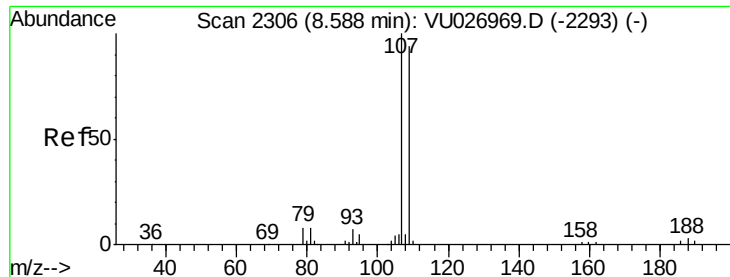
Tgt Ion: 43 Resp: 42541
Ion Ratio Lower Upper
43 100
58 47.9 26.1 78.2



#60
Dibromochloromethane
Concen: 4.821 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 129 Resp: 6172
Ion Ratio Lower Upper
129 100
127 79.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 5.380 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

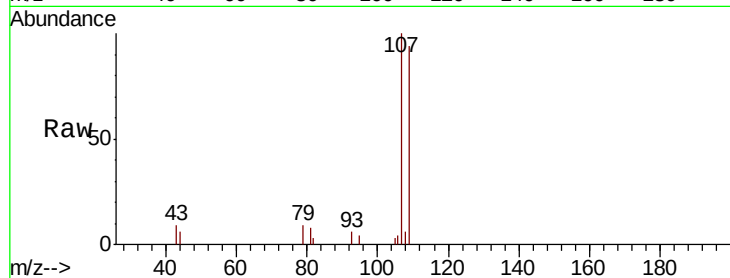
VSTDIC005

Tgt Ion: 107 Resp: 7018

Ion Ratio Lower Upper

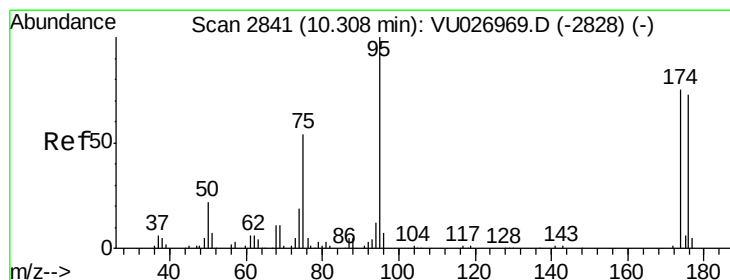
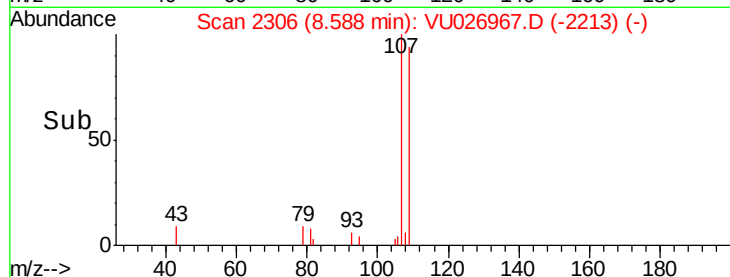
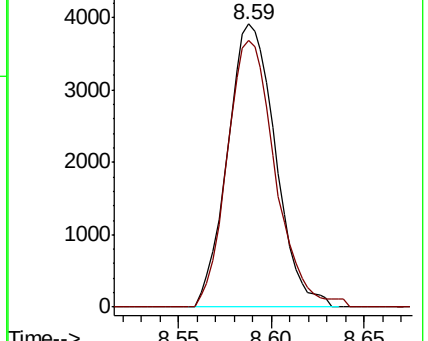
107 100

109 94.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.361 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

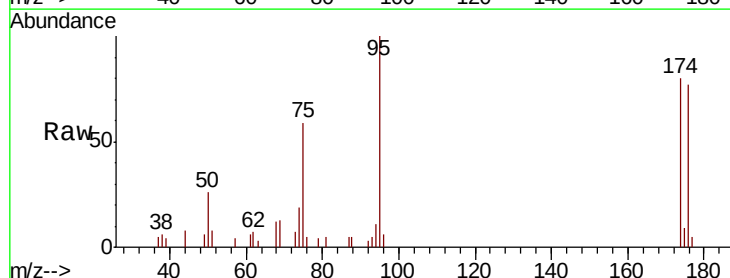
Tgt Ion: 95 Resp: 6442

Ion Ratio Lower Upper

95 100

174 78.7 0.0 150.2

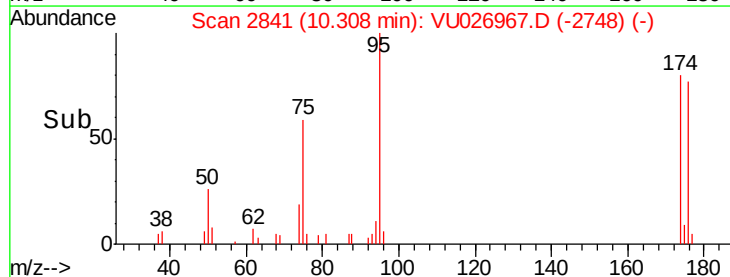
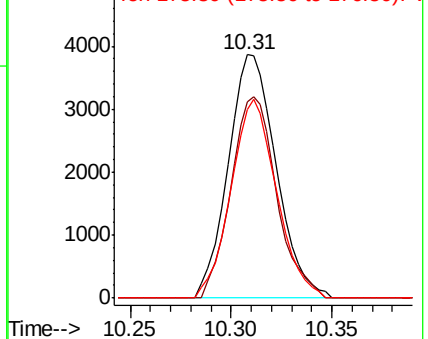
176 77.5 0.0 145.2

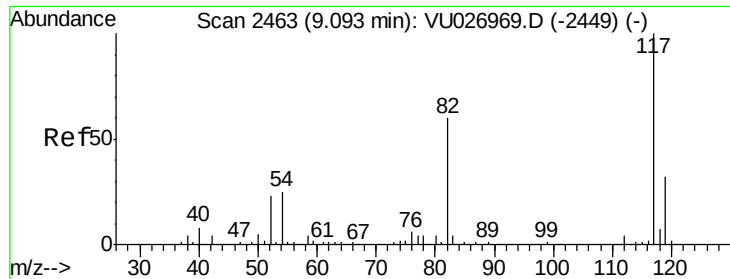


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

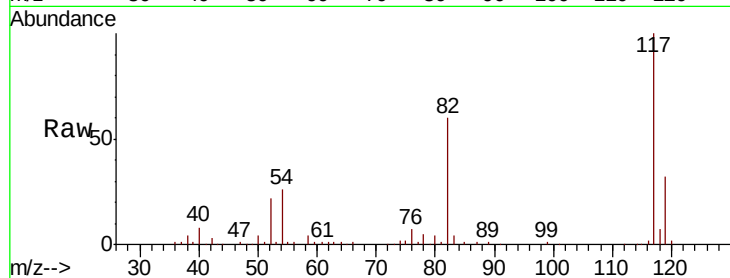




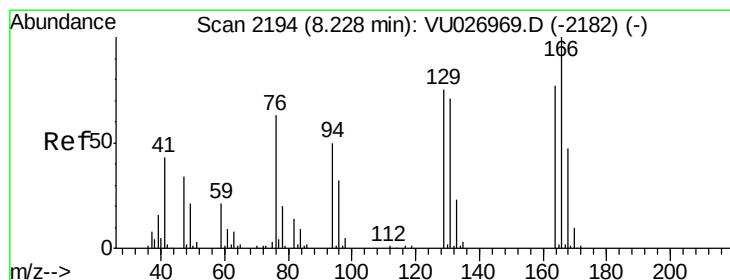
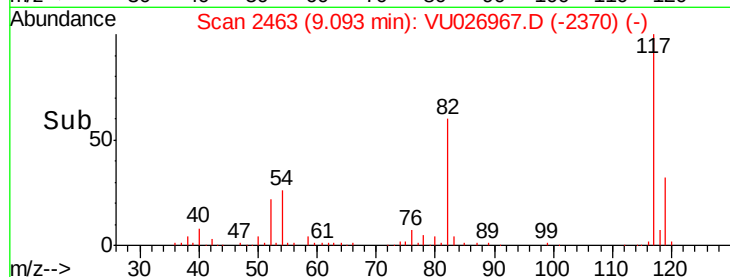
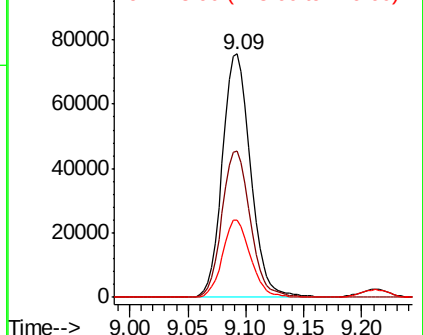
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 127510
Ion Ratio Lower Upper
117 100
82 60.0 48.0 72.0
119 31.8 25.8 38.8

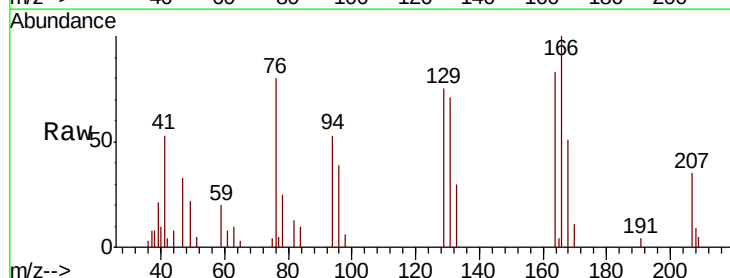


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

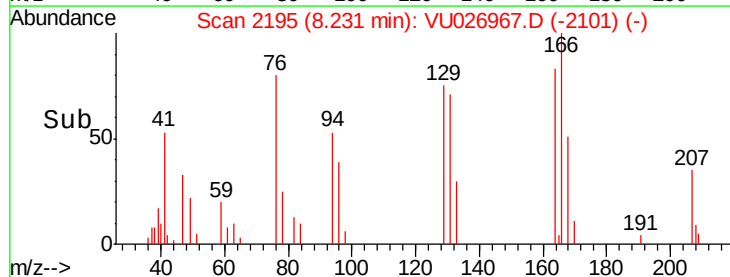
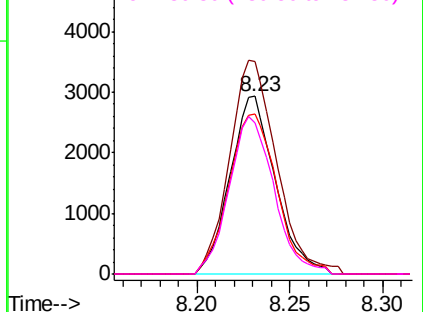


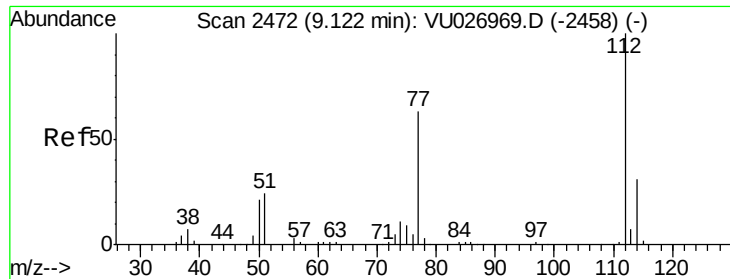
#64
Tetrachloroethene
Concen: 4.975 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:164 Resp: 4987
Ion Ratio Lower Upper
164 100
166 120.1 104.4 156.6
129 90.2 78.7 118.1
131 85.5 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

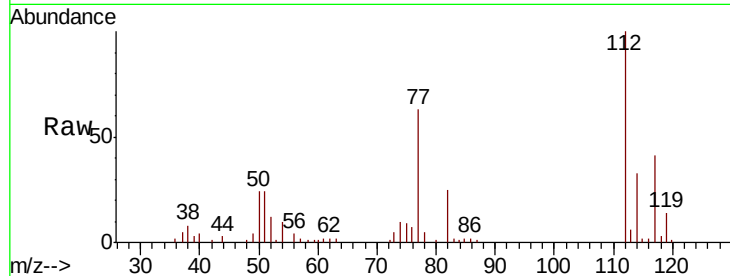




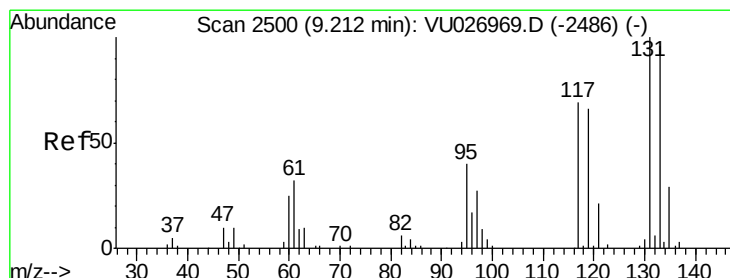
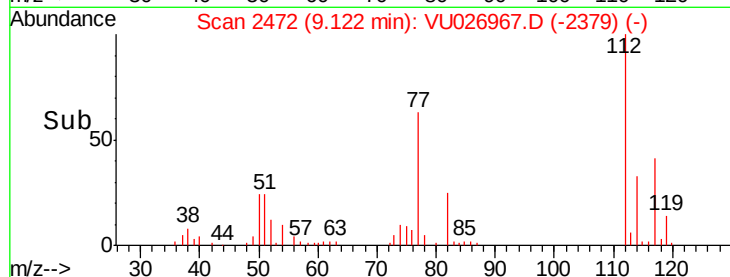
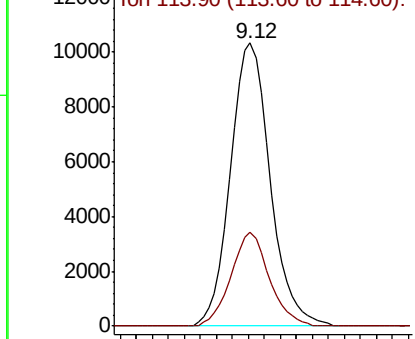
#65
Chlorobenzene
Concen: 5.499 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 17445
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6

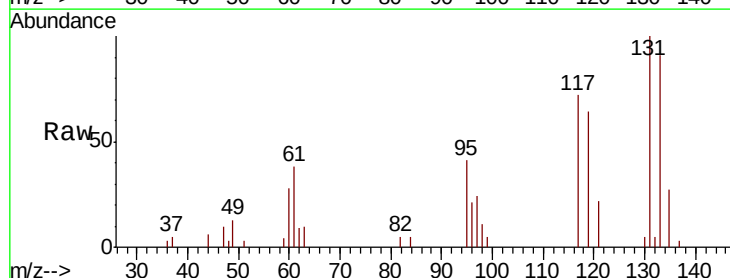


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

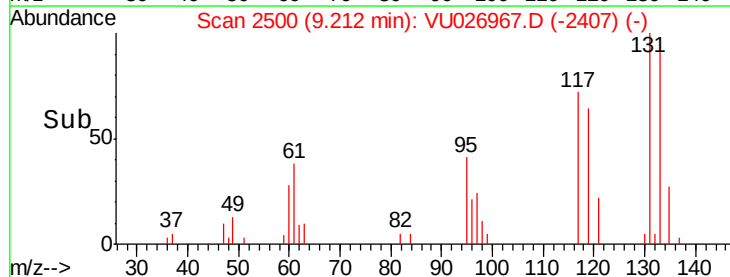
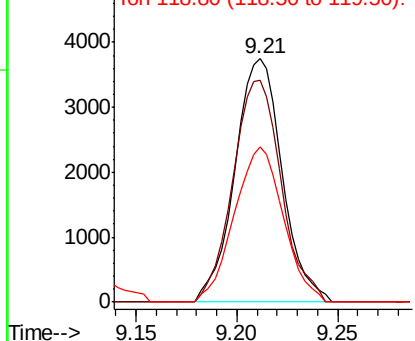


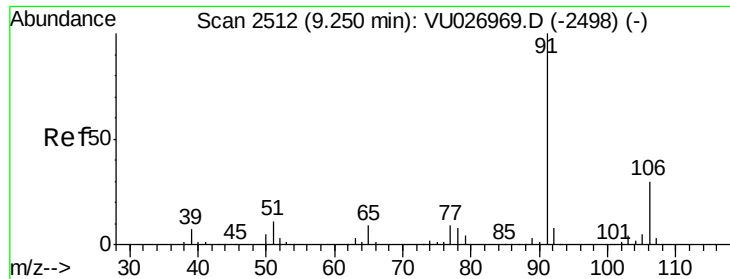
#66
1,1,1,2-Tetrachloroethane
Concen: 5.308 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:131 Resp: 6169
Ion Ratio Lower Upper
131 100
133 93.1 48.0 144.2
119 65.8 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

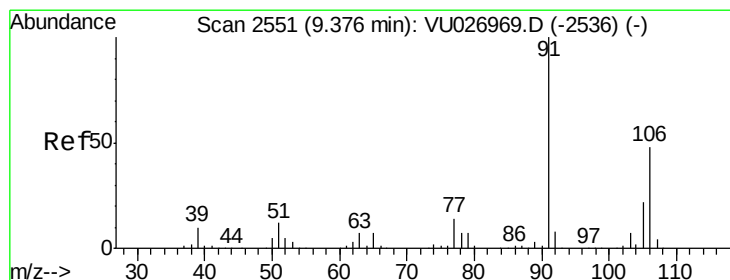
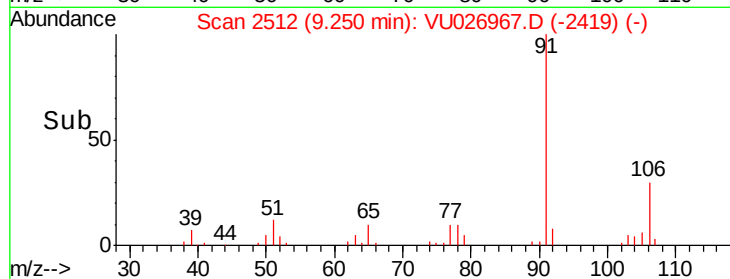
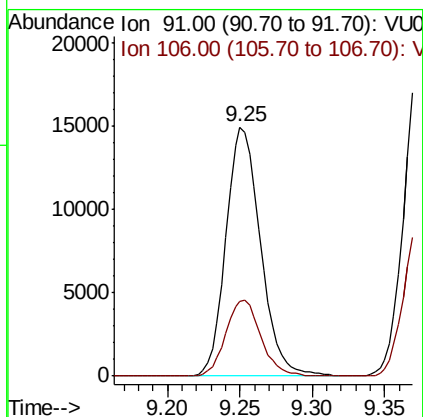
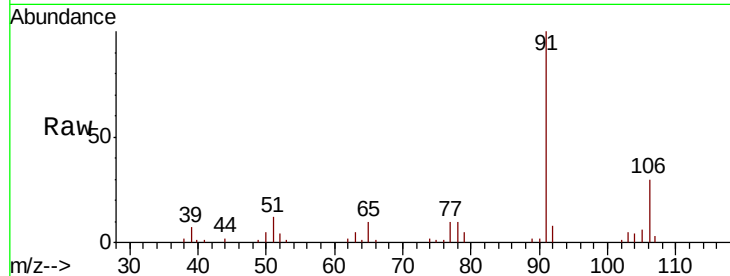




#67
Ethyl Benzene
Concen: 4.692 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

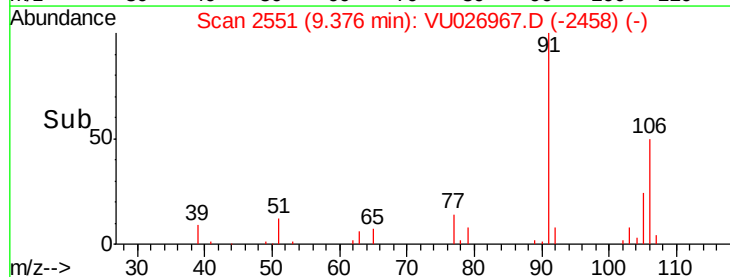
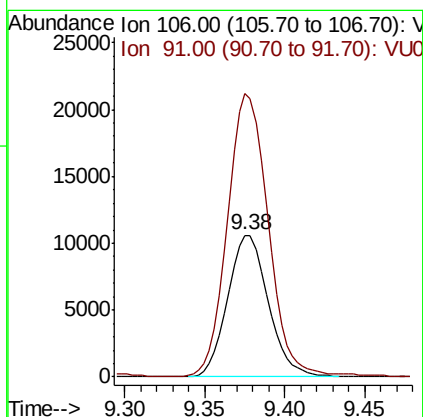
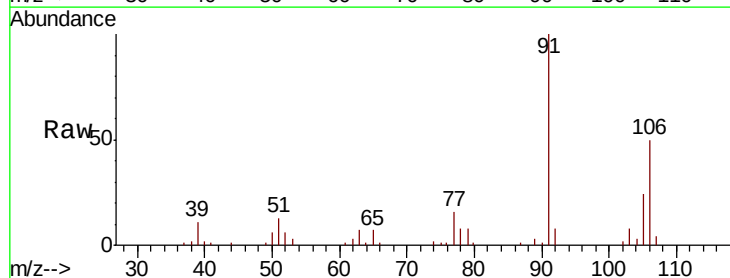
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

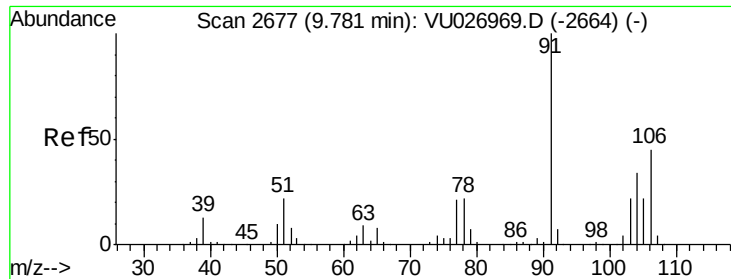
Tgt Ion: 91 Resp: 24765
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8



#68
m/p-Xylenes
Concen: 9.177 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 106 Resp: 18314
Ion Ratio Lower Upper
106 100
91 202.0 166.5 249.7

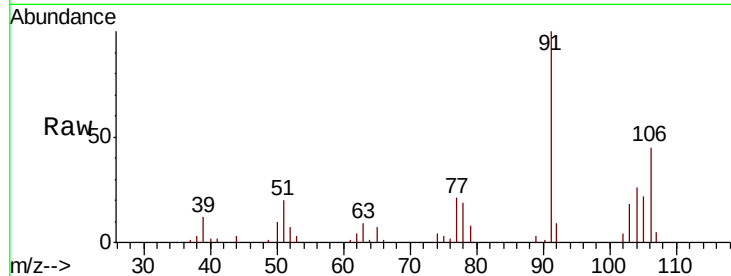




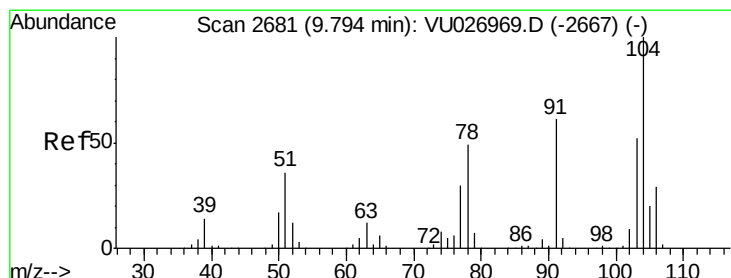
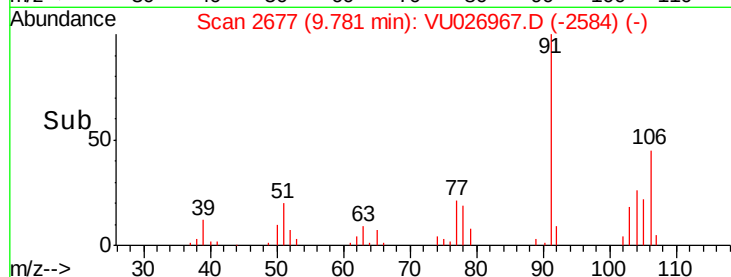
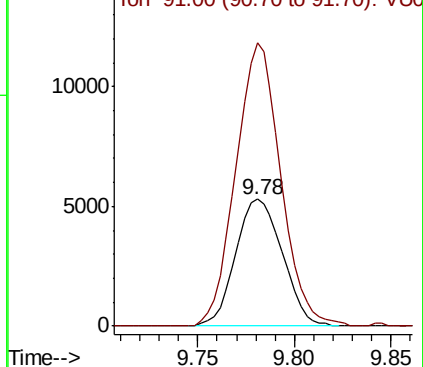
#69
o-Xylene
Concen: 4.600 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 8904
Ion Ratio Lower Upper
106 100
91 214.5 110.2 330.6

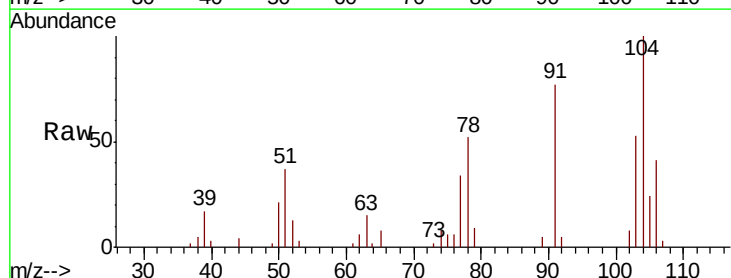


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

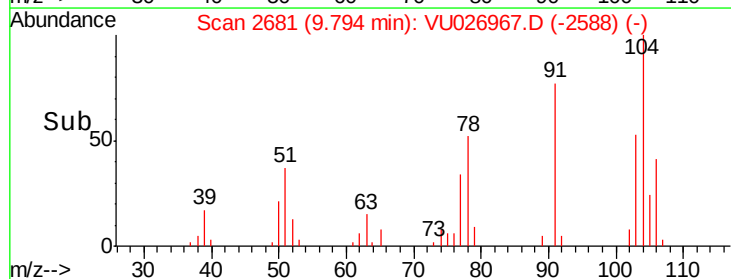
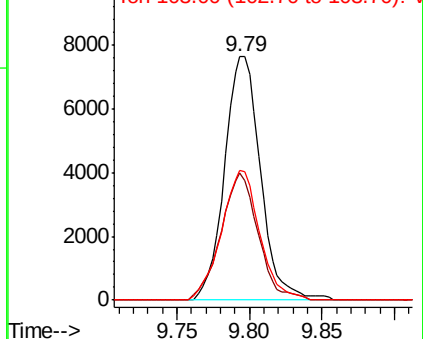


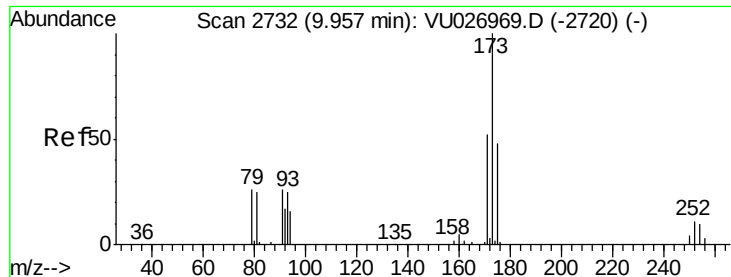
#70
Styrene
Concen: 4.151 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:104 Resp: 13171
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.4
103 56.6 44.1 66.1



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





#71

Bromoform

Concen: 4.547 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

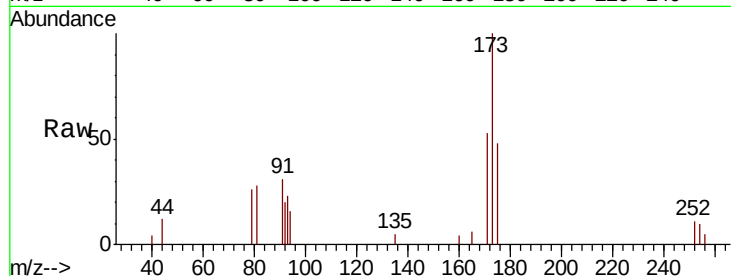
Tgt Ion:173 Resp: 4498

Ion Ratio Lower Upper

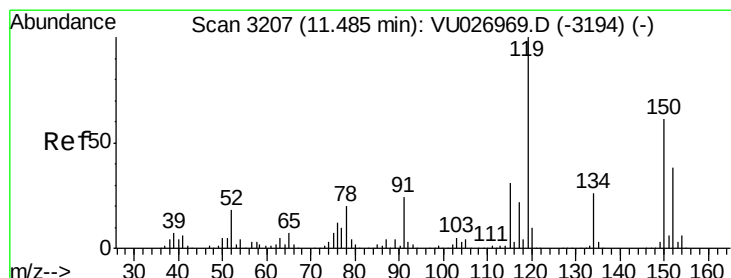
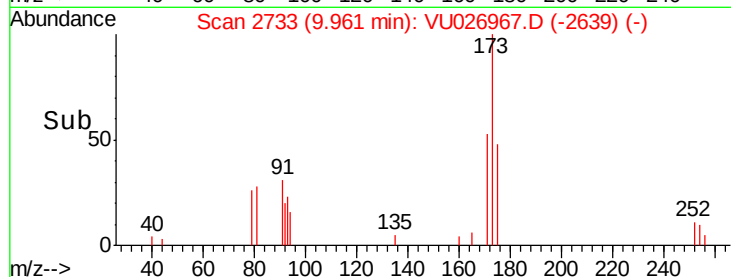
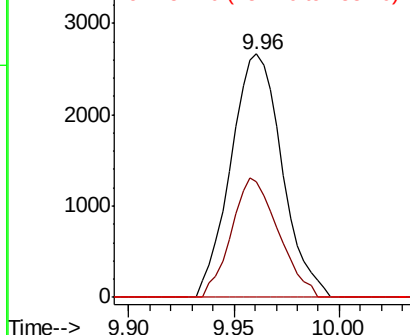
173 100

175 44.9 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

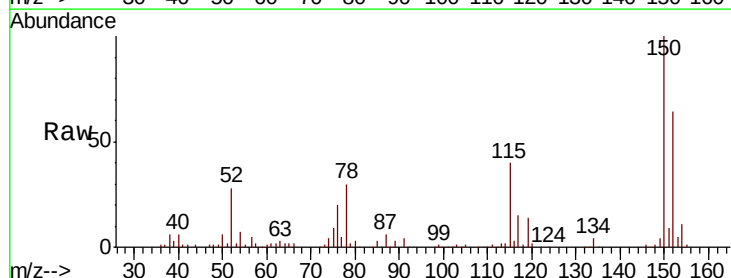
Tgt Ion:152 Resp: 61845

Ion Ratio Lower Upper

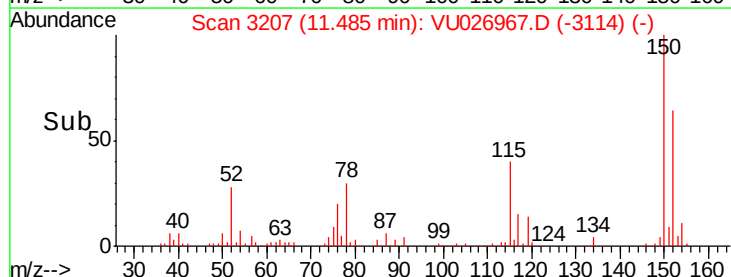
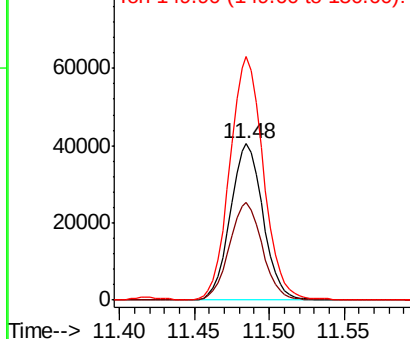
152 100

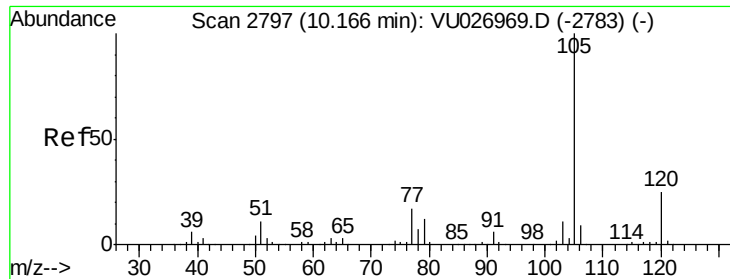
115 62.9 44.9 134.5

150 159.8 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: 5.268 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

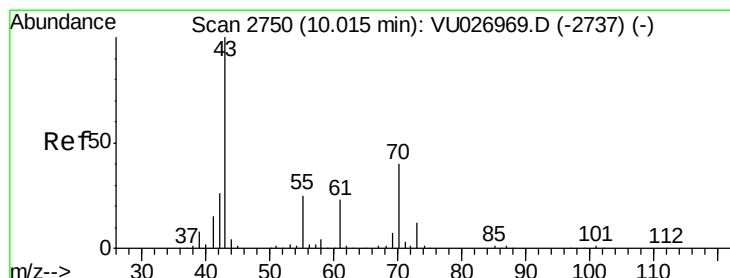
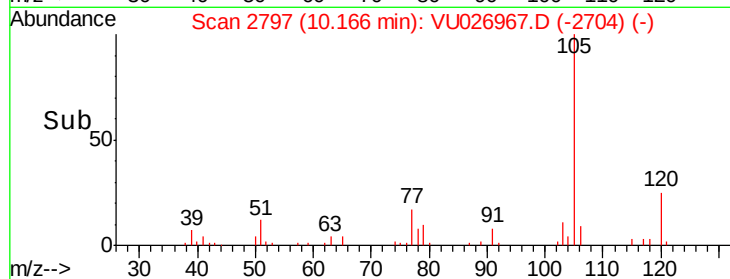
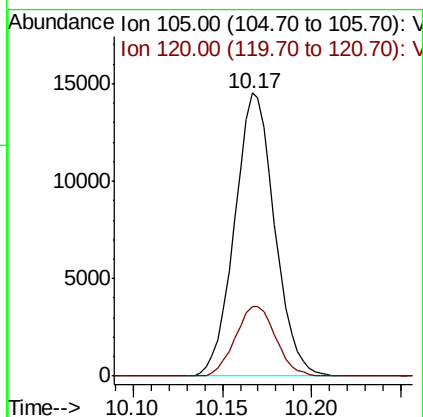
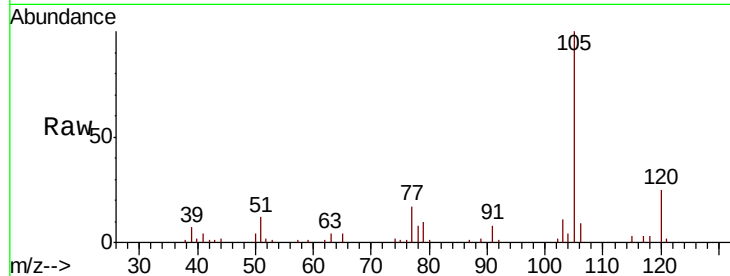
VSTDIC005

Tgt Ion: 105 Resp: 22743

Ion Ratio Lower Upper

105 100

120 24.8 12.8 38.4



#74

N-ethyl acetate

Concen: 5.952 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Tgt Ion: 43 Resp: 12531

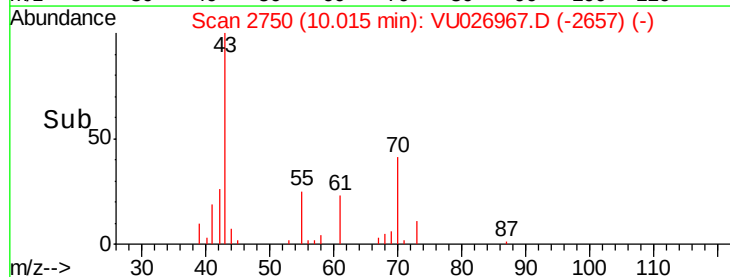
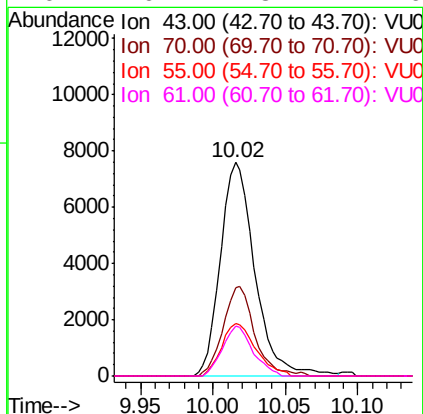
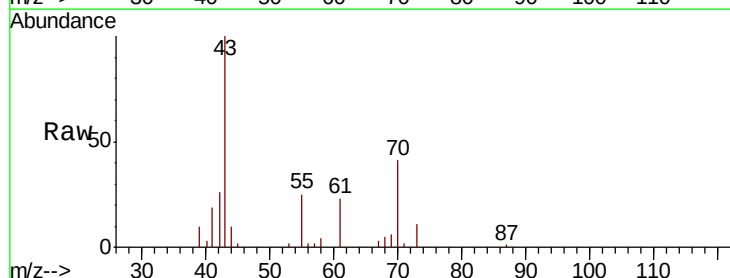
Ion Ratio Lower Upper

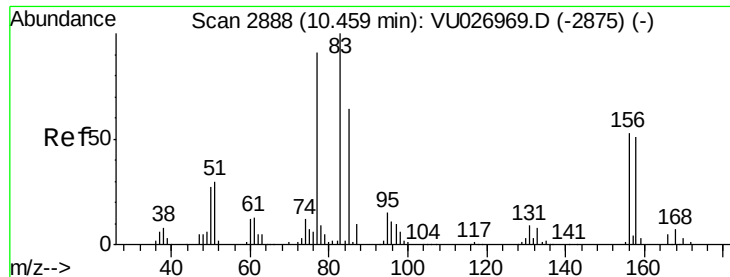
43 100

70 38.2 31.8 47.8

55 24.2 19.9 29.9

61 20.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 6.800 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

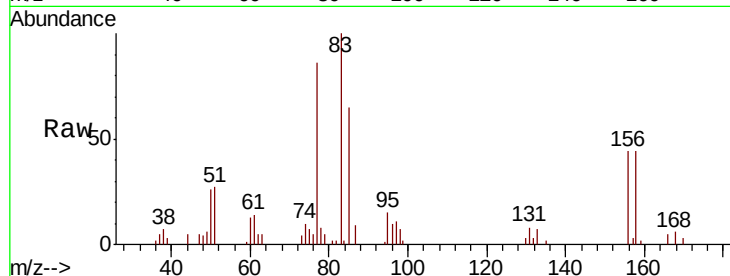
Tgt Ion: 83 Resp: 12101

Ion Ratio Lower Upper

83 100

131 7.5 4.3 12.8

85 62.2 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) (-)

10000

8000

6000

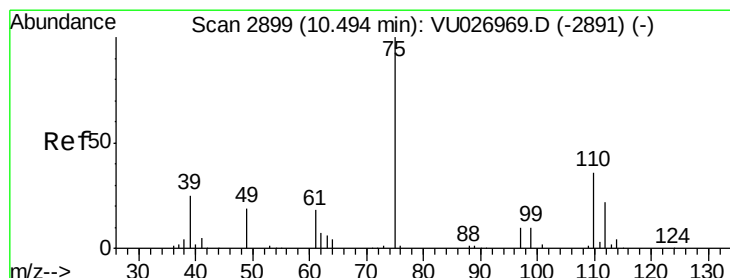
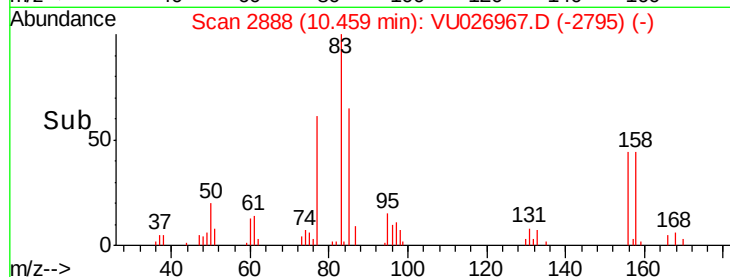
4000

2000

0

10.40 10.45 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 8.917 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026967.D

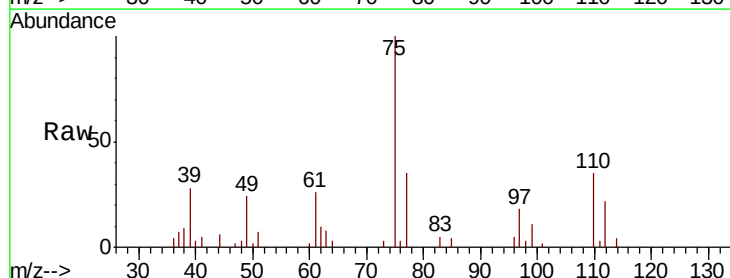
Acq: 21 Sep 2018 14:51

Tgt Ion: 75 Resp: 12912

Ion Ratio Lower Upper

75 100

77 32.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2891) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2891) (-)

8000

6000

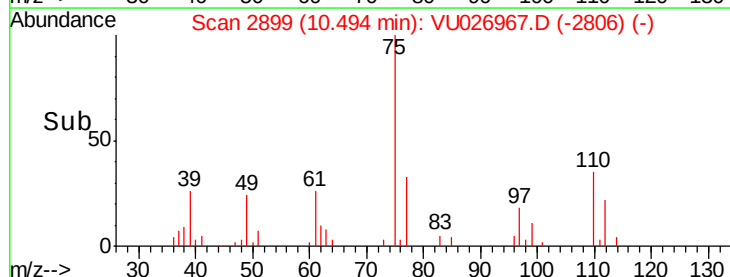
4000

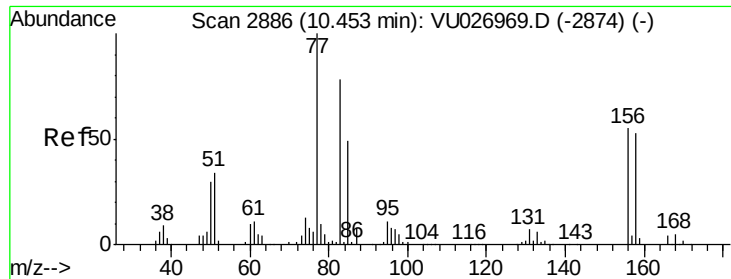
2000

0

10.45 10.50 10.55

Time-->





#77

Bromobenzene

Concen: 4.997 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

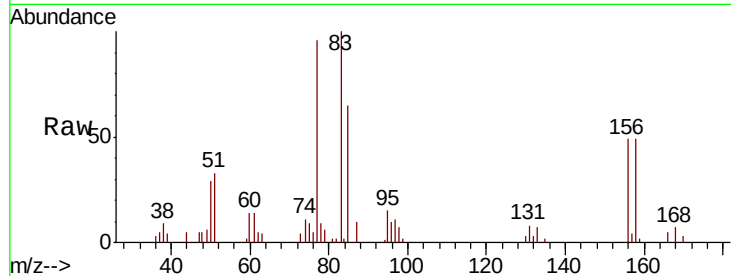
Tgt Ion:156 Resp: 5746

Ion Ratio Lower Upper

156 100

77 193.4 92.3 276.9

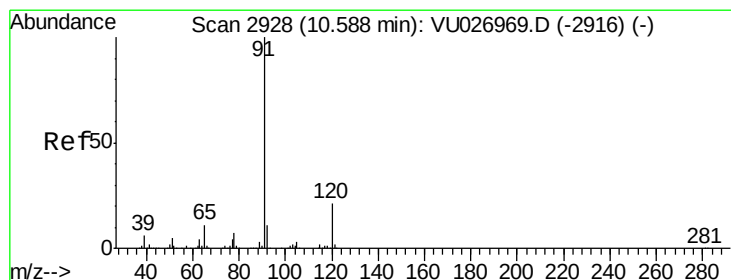
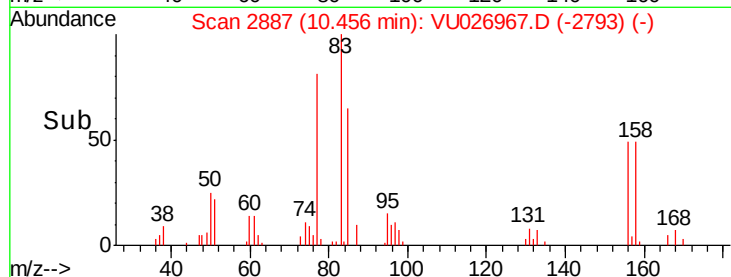
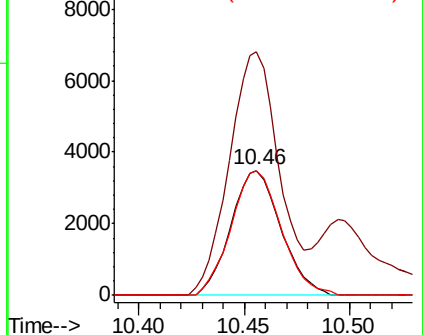
158 99.9 48.1 144.3



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: 5.007 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026967.D

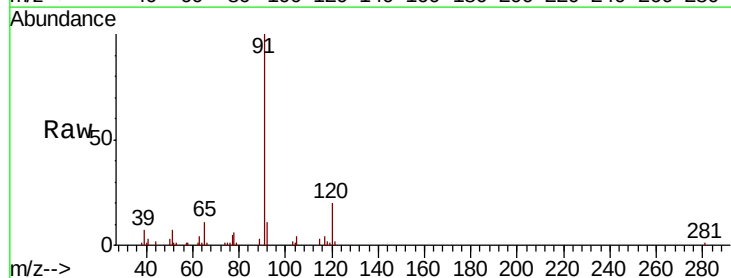
Acq: 21 Sep 2018 14:51

Tgt Ion: 91 Resp: 25289

Ion Ratio Lower Upper

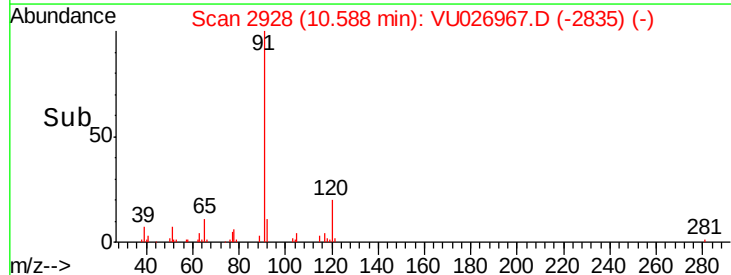
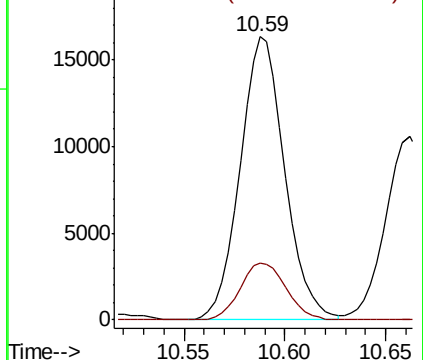
91 100

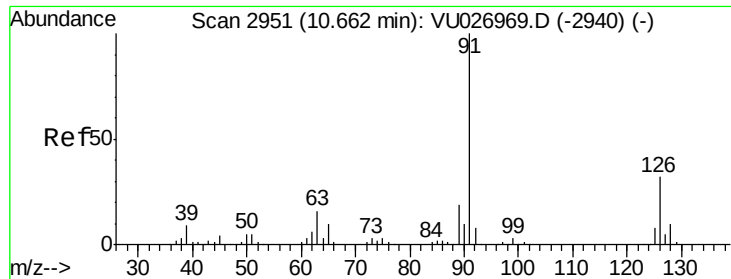
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

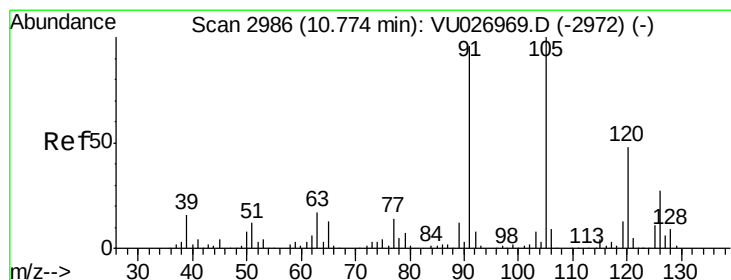
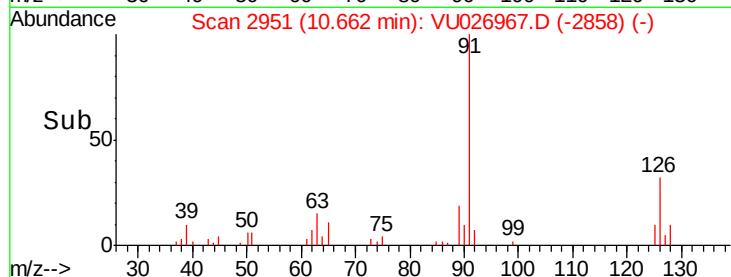
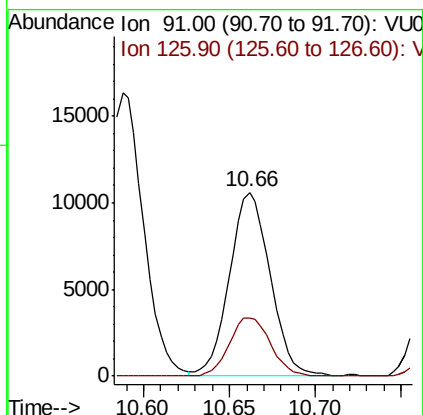
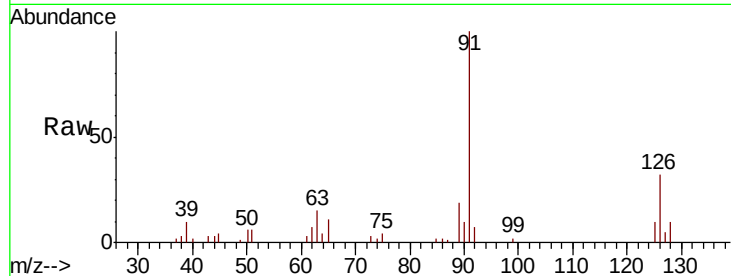




#79
 2-Chlorotoluene
 Concen: 5.599 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

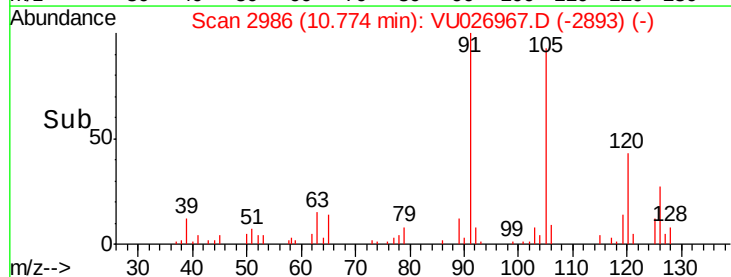
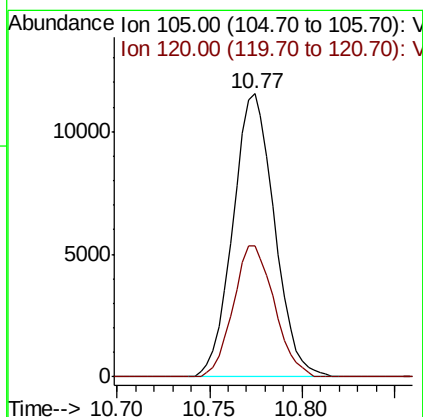
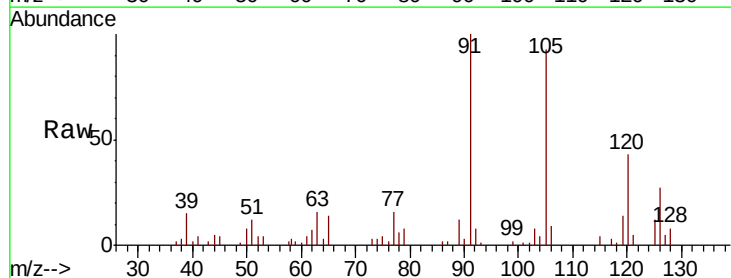
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

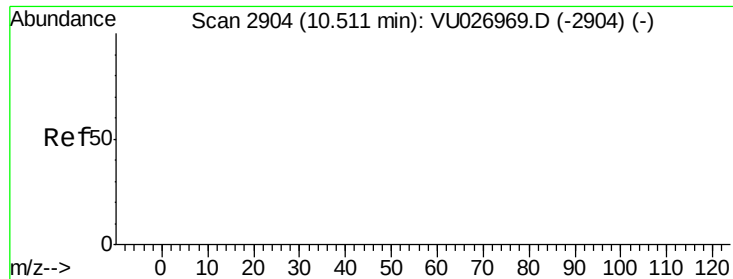
Tgt Ion: 91 Resp: 17499
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 4.946 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 105 Resp: 17917
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.9 71.7

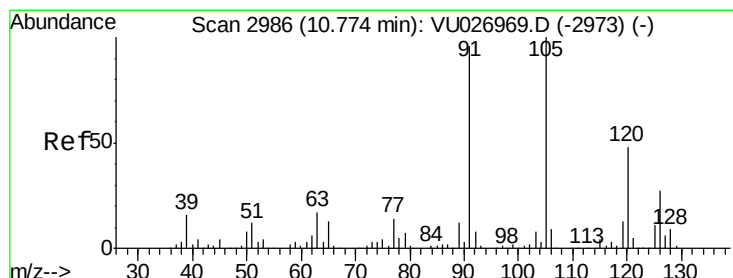
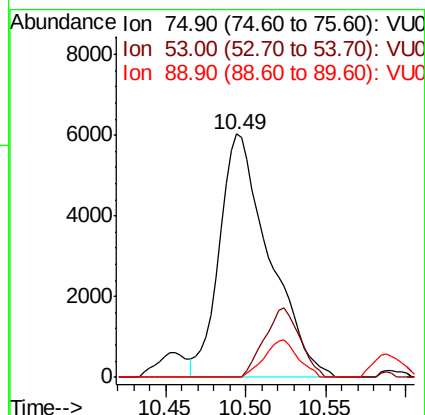
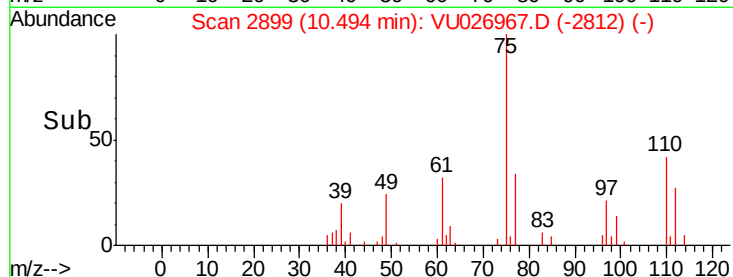
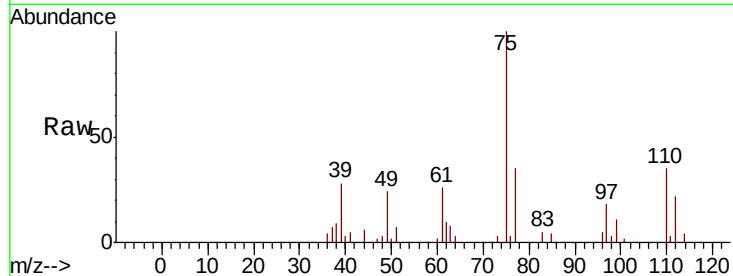




#81
trans-1,4-Dichloro-2-butene
Concen: 26.061 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

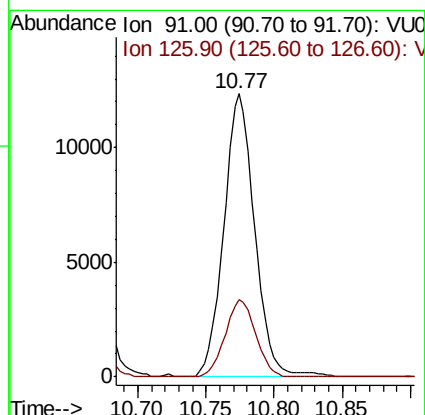
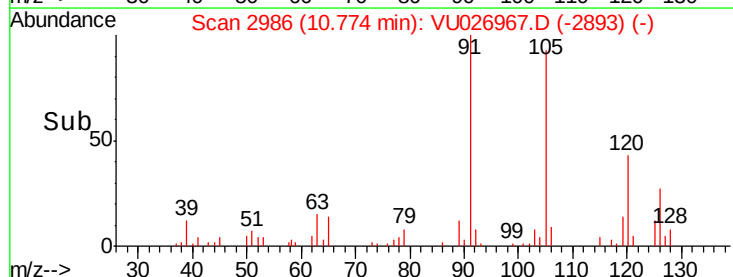
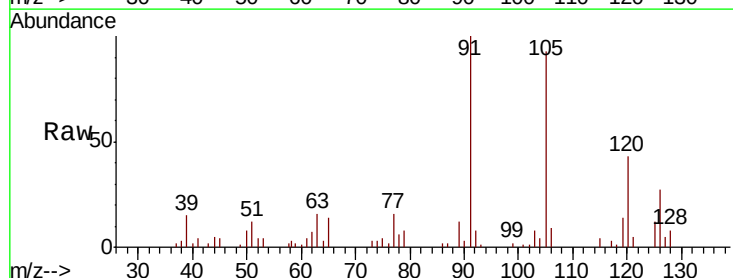
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

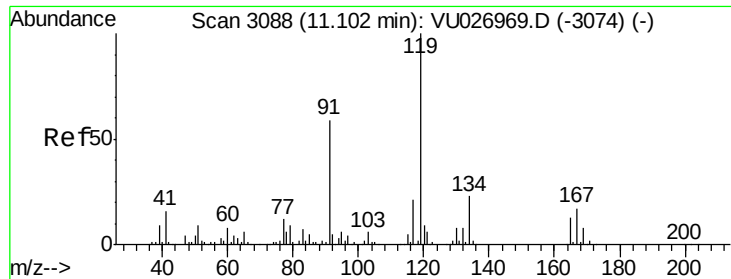
Tgt Ion: 75 Resp: 12912
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 5.516 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion: 91 Resp: 19361
Ion Ratio Lower Upper
91 100
126 26.9 14.1 42.2

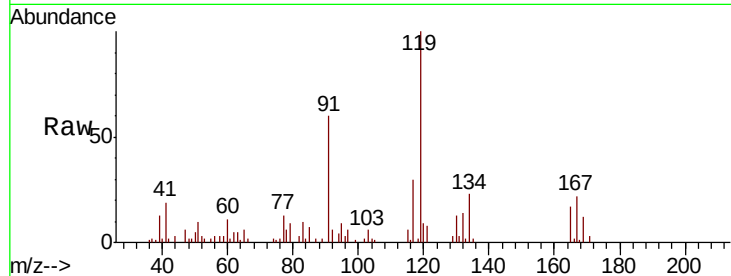




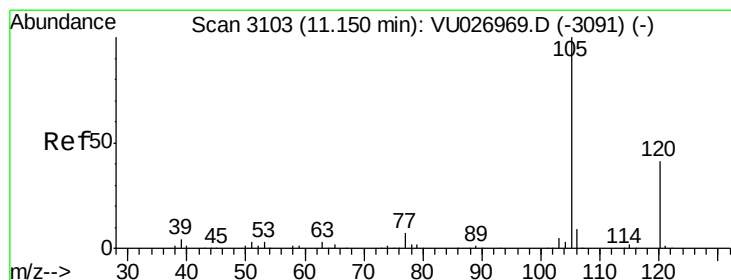
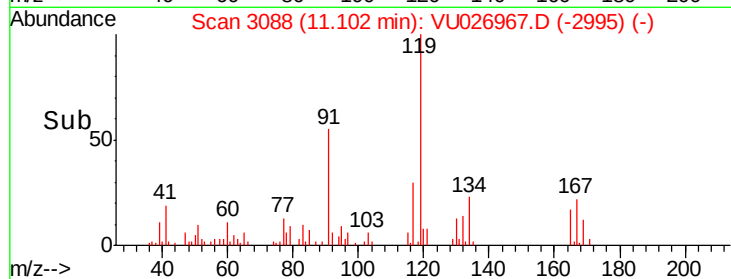
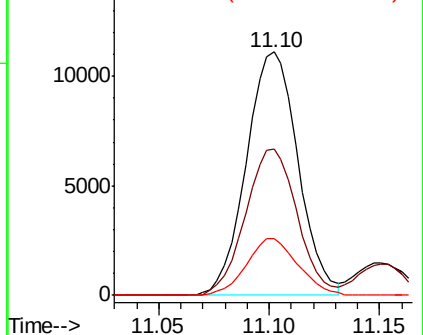
#83
 tert-Butylbenzene
 Concen: 4.944 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.8	89.4
134	23.3	11.5	34.4

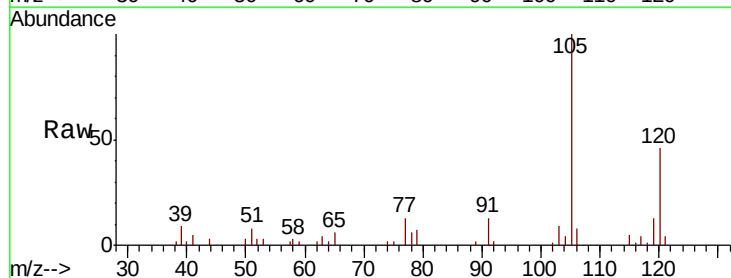


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

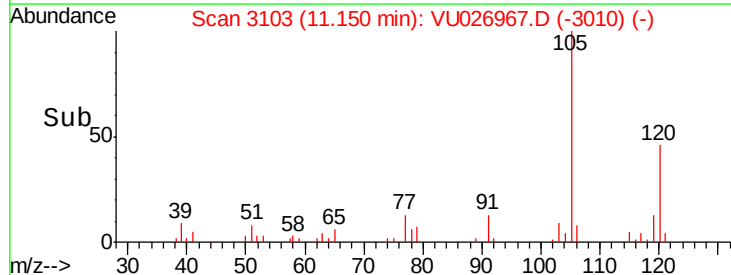
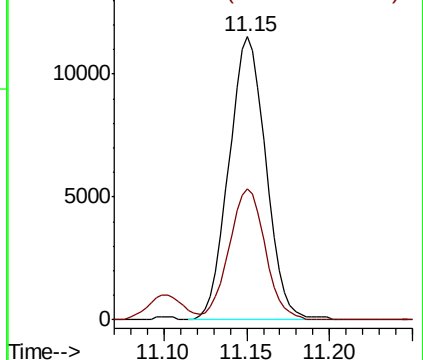


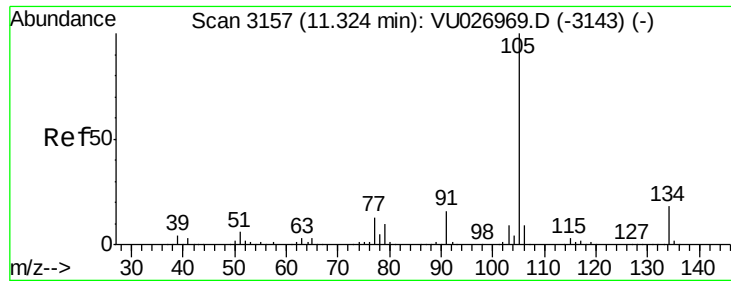
#84
 1,2,4-Trimethylbenzene
 Concen: 4.893 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.2



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

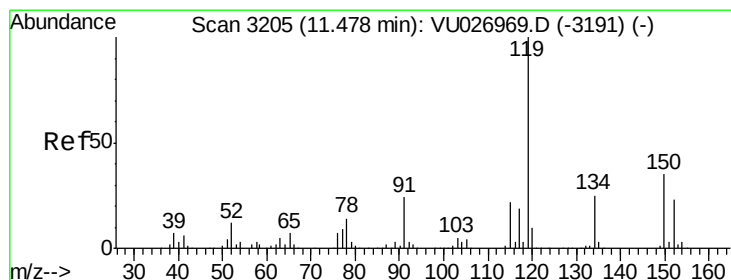
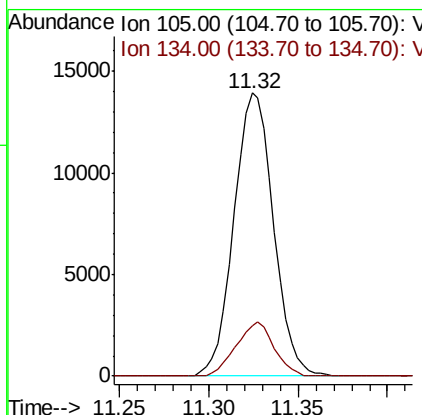
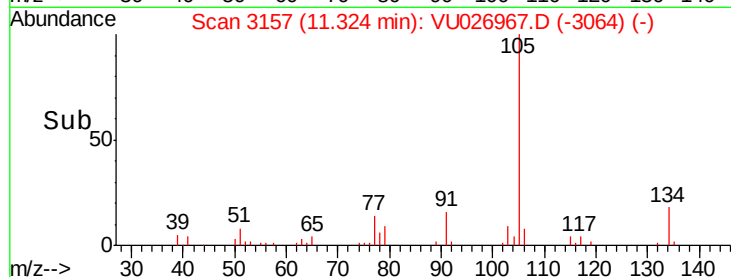
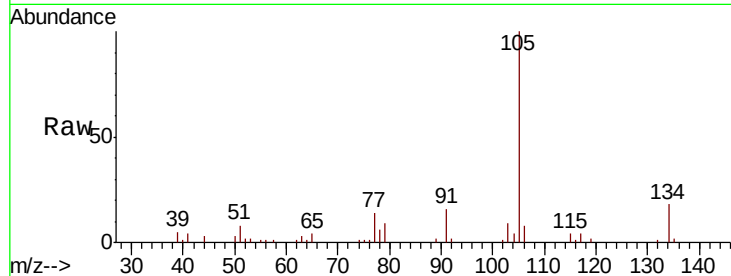




#85
 sec-Butylbenzene
 Concen: 4.942 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

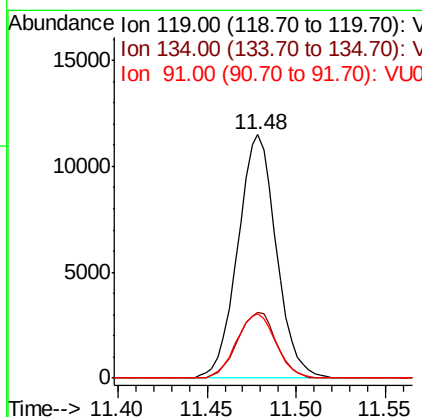
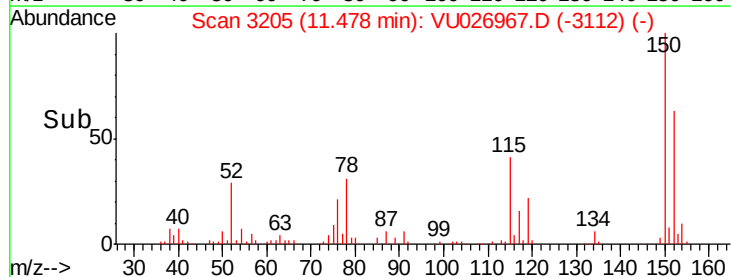
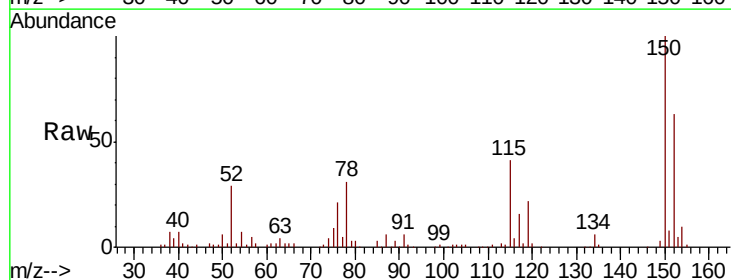
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

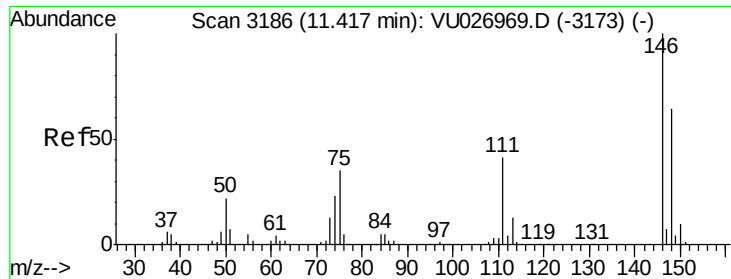
Tgt Ion:105 Resp: 21538
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 4.581 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion:119 Resp: 17308
 Ion Ratio Lower Upper
 119 100
 134 27.2 12.8 38.3
 91 27.2 12.3 36.8

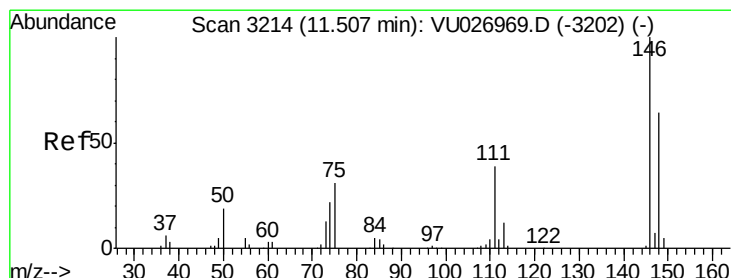
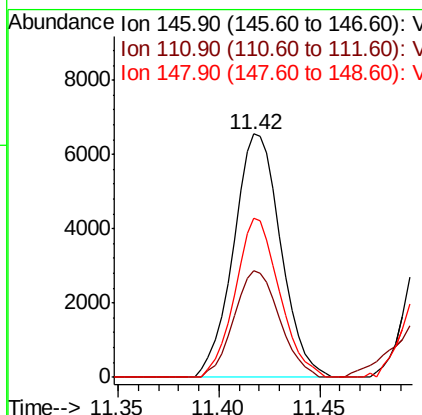
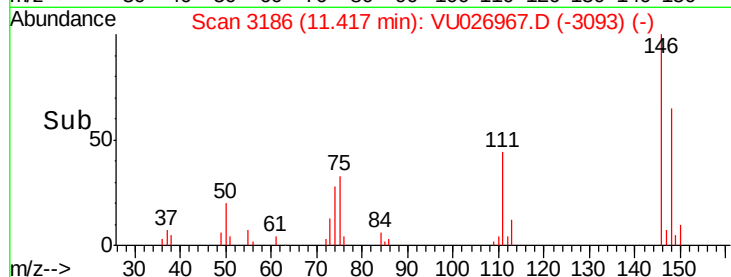
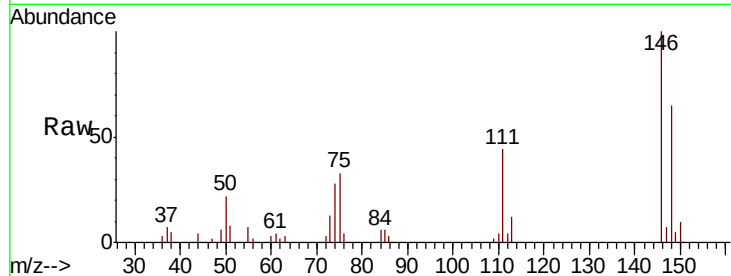




#87
 1,3-Dichlorobenzene
 Concen: 4.995 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

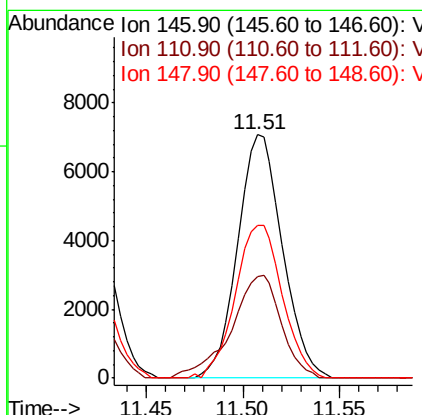
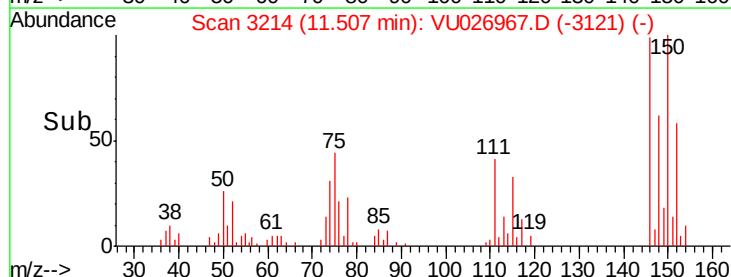
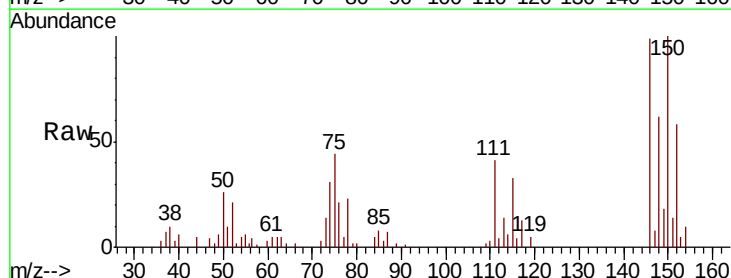
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

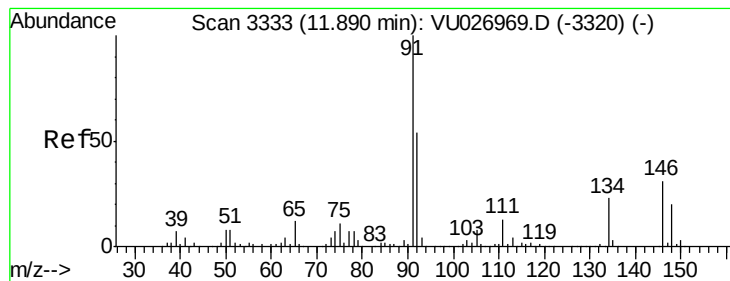
Tgt Ion:146 Resp: 10721
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.8 62.2
 148 61.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.111 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion:146 Resp: 11415
 Ion Ratio Lower Upper
 146 100
 111 47.1 20.3 60.9
 148 66.1 31.9 95.9





#89

n-Butylbenzene

Concen: 4.485 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU026967.D

Acq: 21 Sep 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

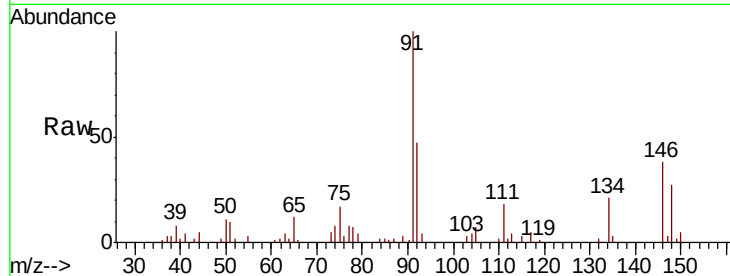
Tgt Ion: 91 Resp: 14981

Ion Ratio Lower Upper

91 100

92 48.3 27.1 81.2

134 21.3 11.7 35.0

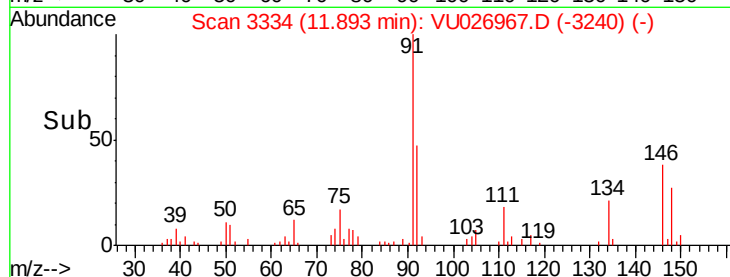


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->

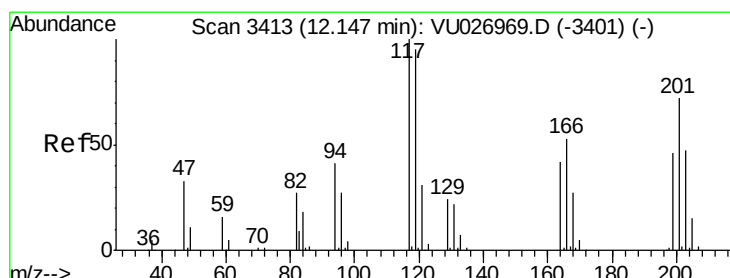


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 5.657 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU026967.D

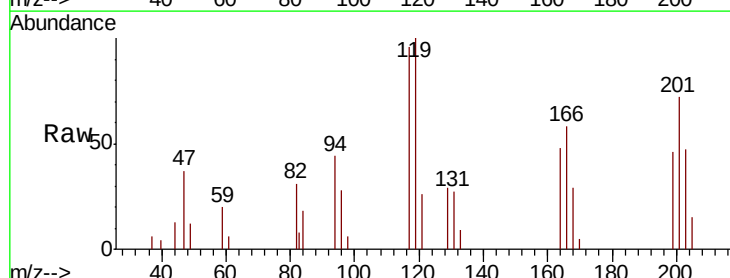
Acq: 21 Sep 2018 14:51

Tgt Ion: 117 Resp: 4316

Ion Ratio Lower Upper

117 100

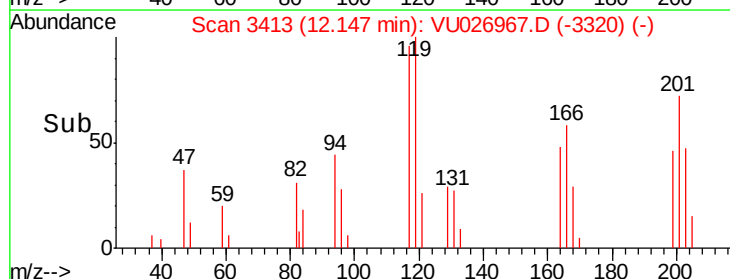
201 76.9 36.8 110.3



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

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

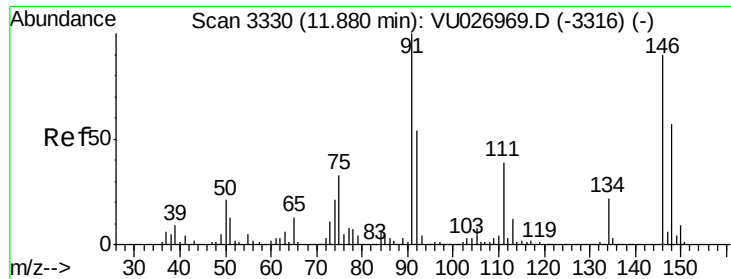
Time-->



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

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

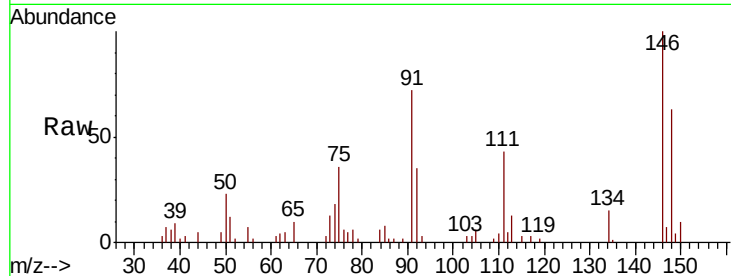
Time-->



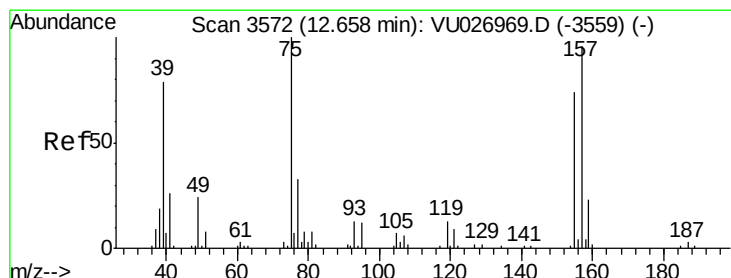
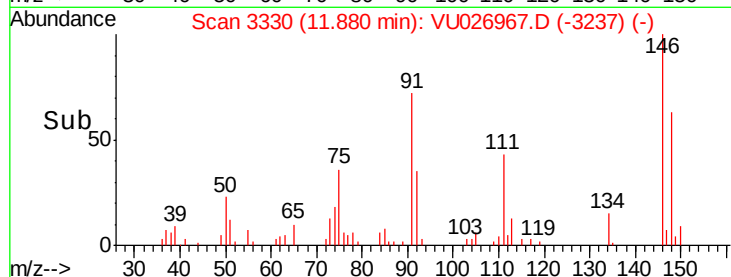
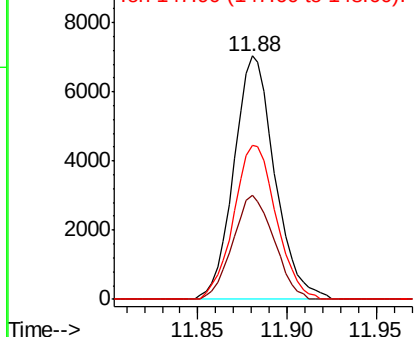
#91
 1,2-Dichlorobenzene
 Concen: 5.218 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 146 Resp: 11256
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.8 65.3
 148 65.6 31.9 95.7

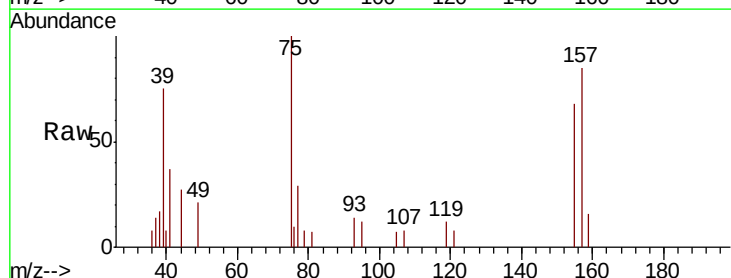


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

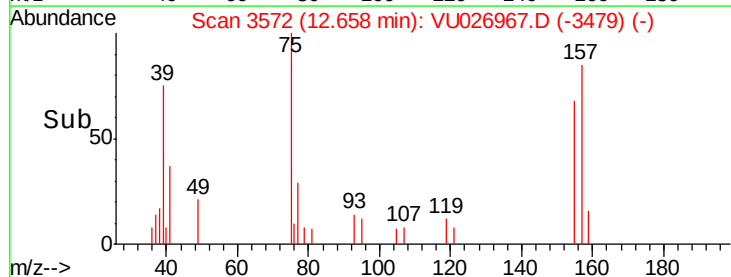
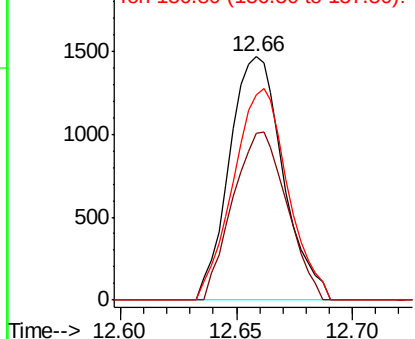


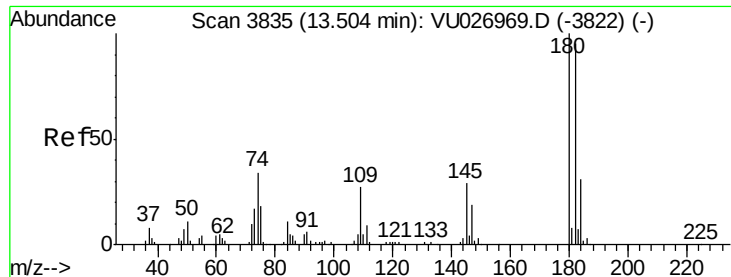
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.605 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion: 75 Resp: 2356
 Ion Ratio Lower Upper
 75 100
 155 69.4 36.6 109.8
 157 88.3 47.4 142.2



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

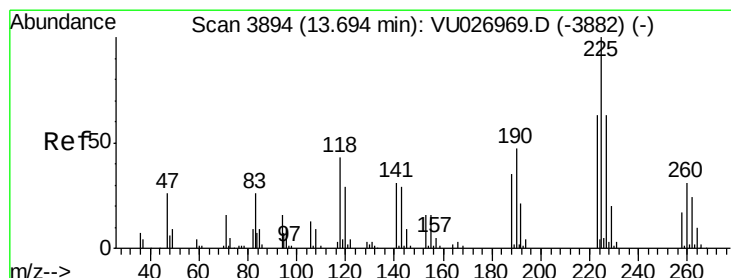
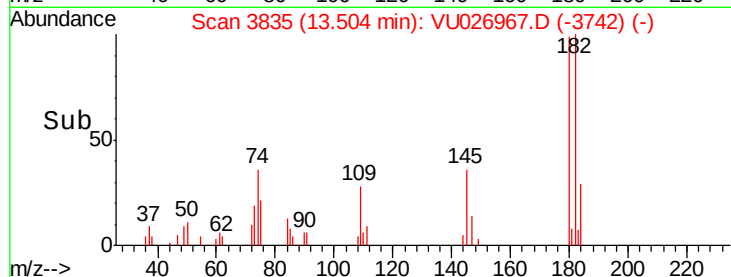
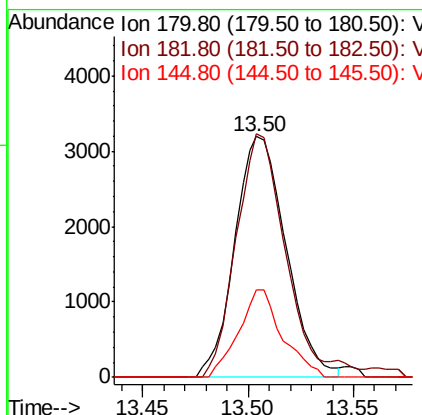
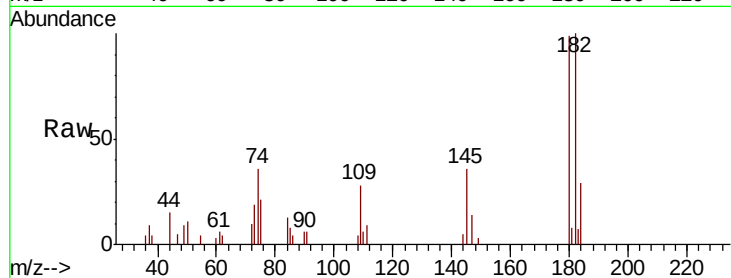




#93
 1,2,4-Trichlorobenzene
 Concen: 3.822 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

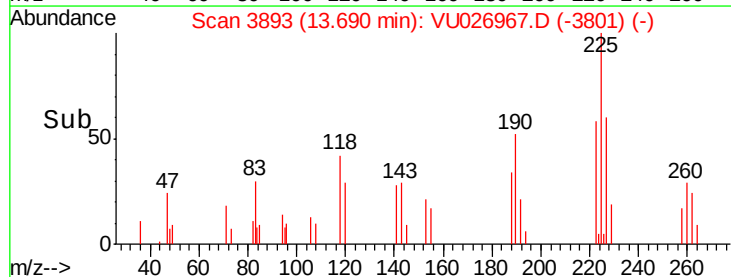
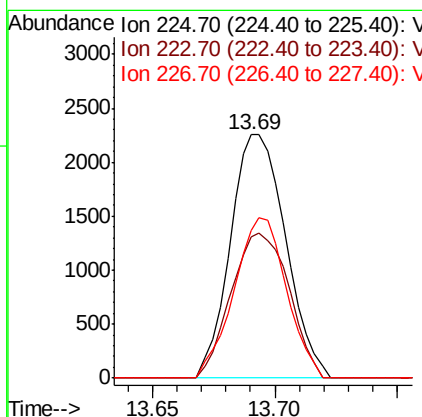
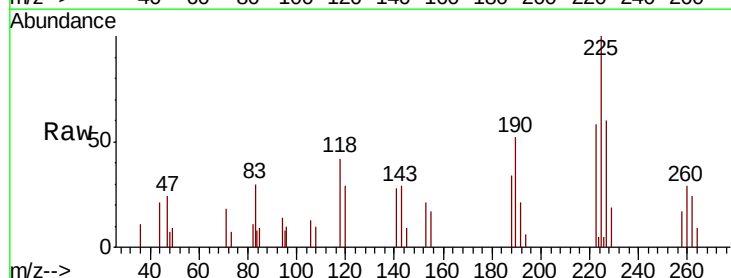
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

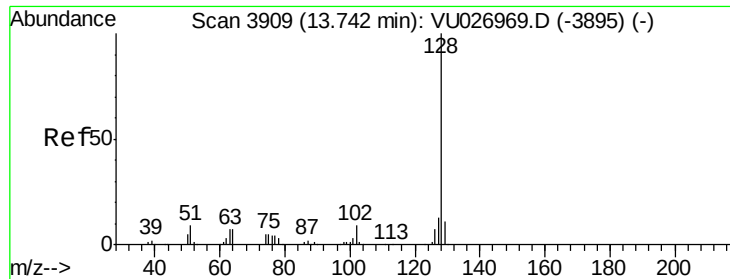
Tgt Ion:180 Resp: 5390
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.4 142.2
 145 30.8 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 4.874 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026967.D
 Acq: 21 Sep 2018 14:51

Tgt Ion:225 Resp: 3534
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.7
 227 62.5 32.1 96.5

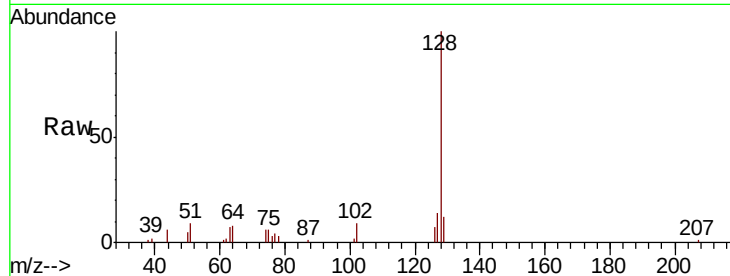




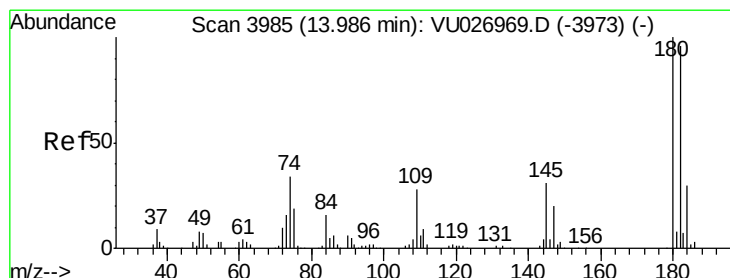
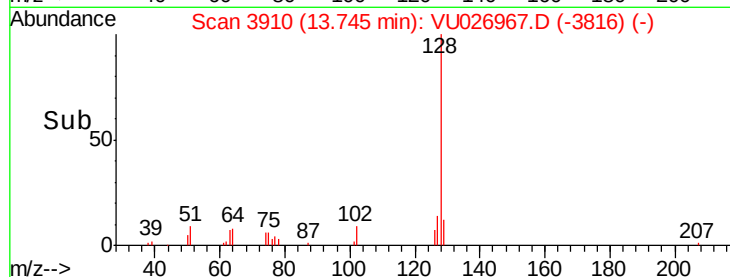
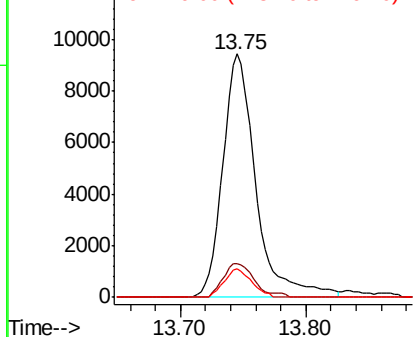
#95
Naphthalene
Concen: 3.960 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 17279
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 9.6 8.6 12.8

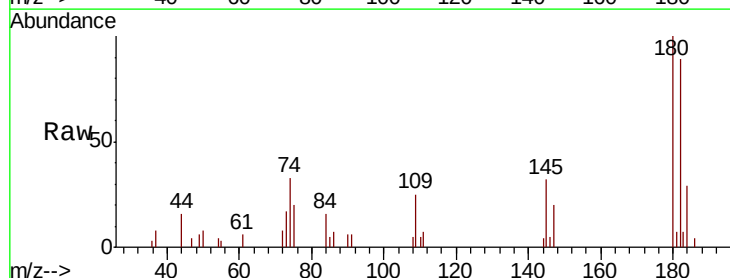


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.139 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026967.D
Acq: 21 Sep 2018 14:51

Tgt Ion:180 Resp: 6127
Ion Ratio Lower Upper
180 100
182 93.2 47.5 142.5
145 32.2 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

