

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028998.D
 Acq On : 03 Jan 2019 15:30
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 04 00:46:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	130172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214488	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	193552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	2284	1.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.84%	
35) Dibromofluoromethane	4.88	113	1738	1.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.50%	
50) Toluene-d8	7.57	98	6472	1.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.36%	
62) 4-Bromofluorobenzene	10.31	95	2364	1.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	1430	1.108	ug/l 88
3) Chloromethane	1.33	50	3356	1.453	ug/l 98
4) Vinyl Chloride	1.40	62	2036	1.070	ug/l 100
5) Bromomethane	1.61	94	1532	1.345	ug/l 85
6) Chloroethane	1.69	64	1191	1.051	ug/l 90
7) Trichlorofluoromethane	1.88	101	2188	1.055	ug/l 98
8) Diethyl Ether	2.10	74	1006	1.010	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	2.28	101	1658	1.195	ug/l # 95
10) Methyl Iodide	2.41	142	1234	0.946	ug/l # 90
11) Tert butyl alcohol	2.83	59	2232	5.457	ug/l # 73
12) 1,1-Dichloroethene	2.28	96	1458	1.080	ug/l 85
13) Acrolein	2.19	56	2129	6.932	ug/l 98
14) Allyl chloride	2.59	41	2523	1.019	ug/l 95
15) Acrylonitrile	2.94	53	4966	4.949	ug/l 96
16) Acetone	2.32	43	6210	6.126	ug/l 93
17) Carbon Disulfide	2.47	76	7406	1.474	ug/l 97
18) Methyl Acetate	2.62	43	2683	1.138	ug/l # 82
19) Methyl tert-butyl Ether	3.00	73	5163	1.088	ug/l # 86
20) Methylene Chloride	2.70	84	1983	1.152	ug/l 93
21) trans-1,2-Dichloroethene	2.98	96	1788	1.140	ug/l 91
22) Diisopropyl ether	3.57	45	4900	1.001	ug/l # 82
23) Vinyl Acetate	3.53	43	18545	4.634	ug/l 99
24) 1,1-Dichloroethane	3.44	63	2777	0.983	ug/l # 83
25) 2-Butanone	4.28	43	6554	4.787	ug/l 94
26) 2,2-Dichloropropane	4.23	77	2377	1.041	ug/l 93
27) cis-1,2-Dichloroethene	4.23	96	1708	0.996	ug/l 88
28) Bromochloromethane	4.55	49	1240	1.025	ug/l # 87
29) Tetrahydrofuran	4.65	42	3960	4.769	ug/l # 72
30) Chloroform	4.67	83	2681	0.996	ug/l 98
31) Cyclohexane	4.99	56	4988	1.595	ug/l # 42
32) 1,1,1-Trichloroethane	4.92	97	2289	1.029	ug/l # 50
36) 1,1-Dichloropropene	5.14	75	2357	1.099	ug/l # 90
37) Ethyl Acetate	4.40	43	1141	0.466	ug/l # 66
38) Carbon Tetrachloride	5.13	117	1704	0.953	ug/l 95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	2949	1.119	ug/l	90
40) Benzene	5.39	78	7030	1.051	ug/l	99
41) Methacrylonitrile	4.56	41	1175	0.933	ug/l #	76
42) 1,2-Dichloroethane	5.40	62	1814	0.903	ug/l #	73
43) Isopropyl Acetate	5.56	43	3240	0.898	ug/l #	88
44) Trichloroethene	6.19	130	1841	1.111	ug/l	89
45) 1,2-Dichloropropane	6.44	63	1780	1.008	ug/l #	85
46) Dibromomethane	6.56	93	1137	1.007	ug/l	96
47) Bromodichloromethane	6.76	83	2049	0.986	ug/l #	93
48) Methyl methacrylate	6.63	41	1320	0.751	ug/l	94
49) 1,4-Dioxane	6.62	88	731	17.548	ug/l #	88
51) 4-Methyl-2-Pentanone	7.46	43	11301	4.600	ug/l	98
52) Toluene	7.64	92	4011	0.985	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	2514	1.007	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	2583	0.957	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	1489	0.913	ug/l	95
56) Ethyl methacrylate	8.03	69	2117	0.843	ug/l	92
57) 1,3-Dichloropropane	8.24	76	2617	0.938	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	4450	4.027	ug/l	95
59) 2-Hexanone	8.37	43	8355	4.332	ug/l	99
60) Dibromochloromethane	8.48	129	1490	0.922	ug/l	89
61) 1,2-Dibromoethane	8.59	107	1728	0.977	ug/l	97
64) Tetrachloroethene	8.22	164	1488	1.067	ug/l	93
65) Chlorobenzene	9.12	112	4694	1.082	ug/l	90
66) 1,1,1,2-Tetrachloroethane	9.21	131	1350	0.959	ug/l #	61
67) Ethyl Benzene	9.25	91	7117	0.983	ug/l	96
68) m/p-Xylenes	9.37	106	5625	1.999	ug/l	99
69) o-Xylene	9.78	106	2540	0.937	ug/l	98
70) Styrene	9.79	104	4041	0.909	ug/l	97
71) Bromoform	9.96	173	1073	0.856	ug/l #	82
73) Isopropylbenzene	10.17	105	6875	1.084	ug/l	97
74) N-amyl acetate	10.02	43	2756	1.009	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	2848	1.121	ug/l	95
76) 1,2,3-Trichloropropane	10.22	75	744	0.342	ug/l	83
77) Bromobenzene	10.46	156	1800	1.089	ug/l	91
78) n-propylbenzene	10.58	91	7883	1.055	ug/l	99
79) 2-Chlorotoluene	10.66	91	5213	1.150	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	5623	1.062	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.49	75	3281	3.166	ug/l #	100
82) 4-Chlorotoluene	10.77	91	5862	1.128	ug/l	96
83) tert-Butylbenzene	11.10	119	5650	1.083	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	5159	0.976	ug/l	98
85) sec-Butylbenzene	11.32	105	6405	1.015	ug/l	98
86) p-Isopropyltoluene	11.48	119	5394	1.003	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	3607	1.190	ug/l	100
88) 1,4-Dichlorobenzene	11.42	146	3607	1.153	ug/l	100
89) n-Butylbenzene	11.89	91	4442	0.925	ug/l	97
90) Hexachloroethane	12.15	117	1032	1.141	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	3525	1.155	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	467	0.955	ug/l	96

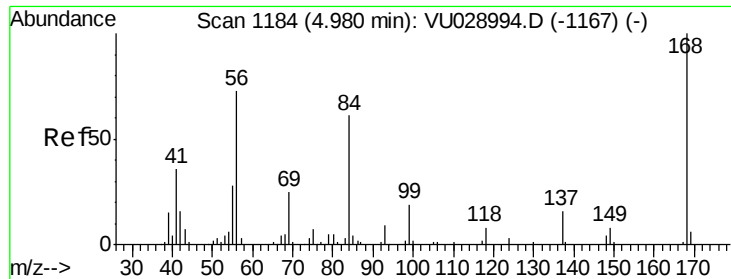
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 00:41:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	2206	1.132	ug/l	95
94) Hexachlorobutadiene	13.69	225	1033	1.159	ug/l	91
95) Naphthalene	13.75	128	8239	1.243	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.99	180	2709	1.307	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

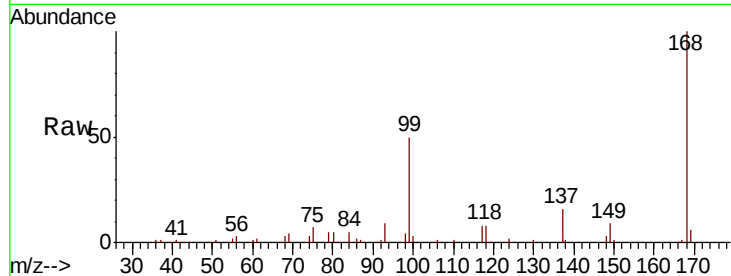
VSTDIC001

Tgt Ion:168 Resp: 130172

Ion Ratio Lower Upper

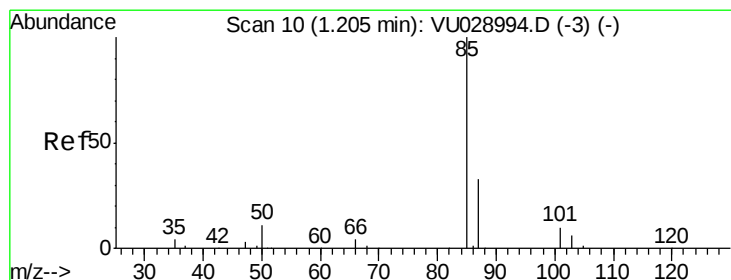
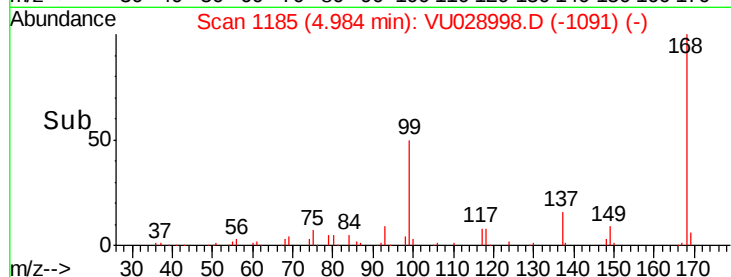
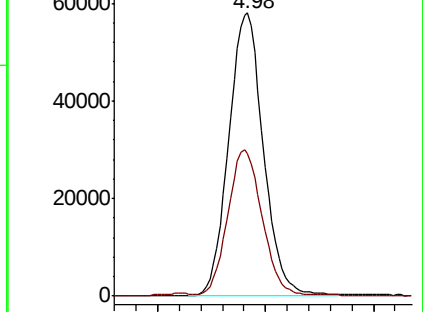
168 100

99 49.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1091) (-)



#2

Dichlorodifluoromethane

Concen: 1.108 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028998.D

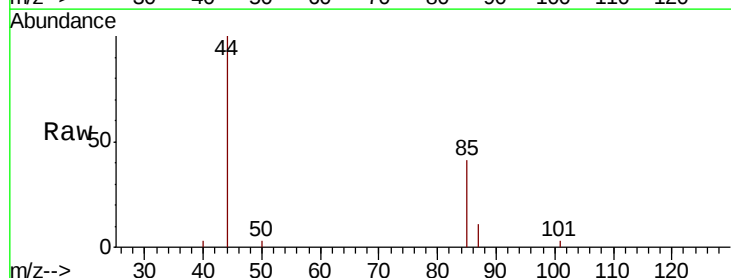
Acq: 03 Jan 2019 15:30

Tgt Ion: 85 Resp: 1430

Ion Ratio Lower Upper

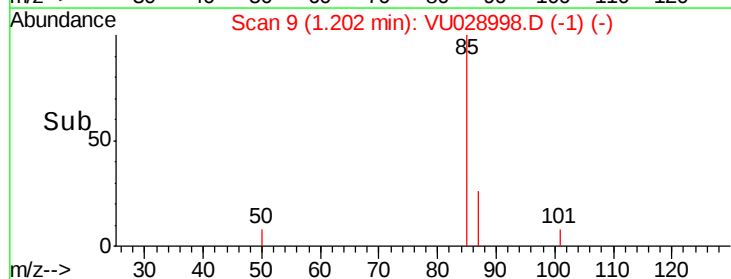
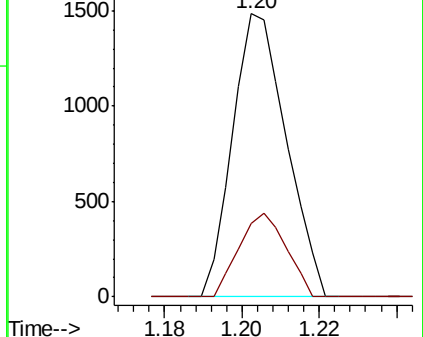
85 100

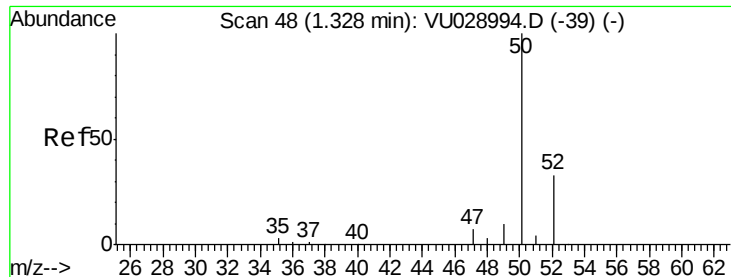
87 25.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-1) (-)





#3

Chloromethane

Concen: 1.453 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

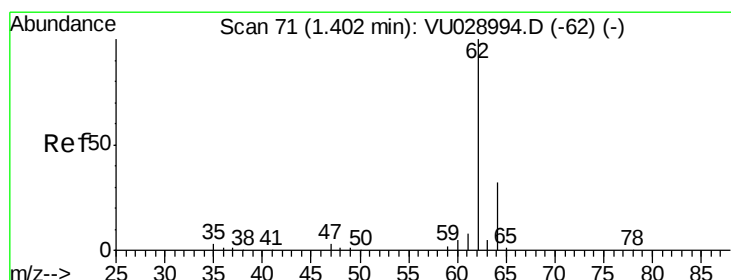
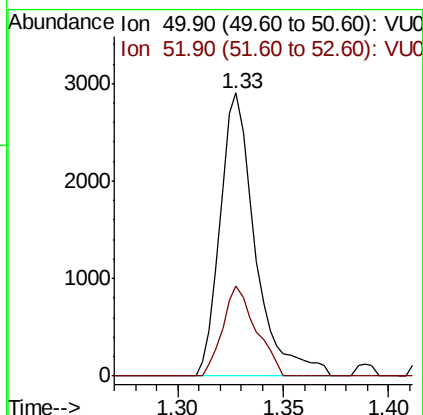
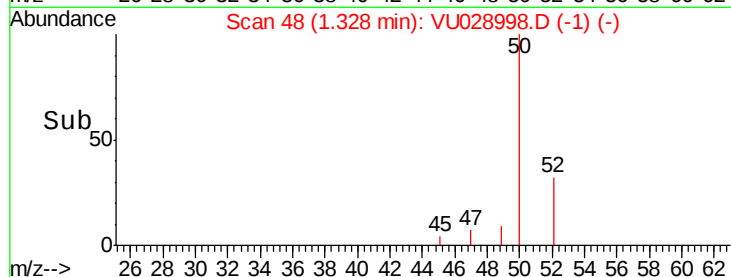
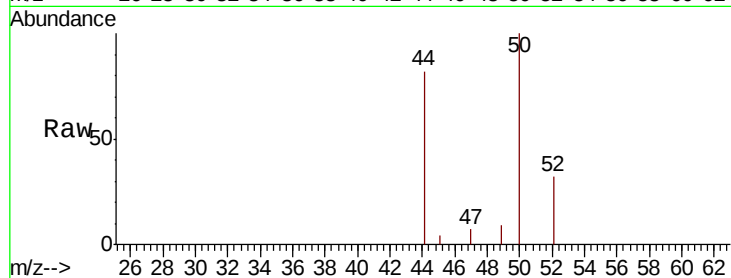
VSTDIC001

Tgt Ion: 50 Resp: 3356

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



#4

Vinyl Chloride

Concen: 1.070 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028998.D

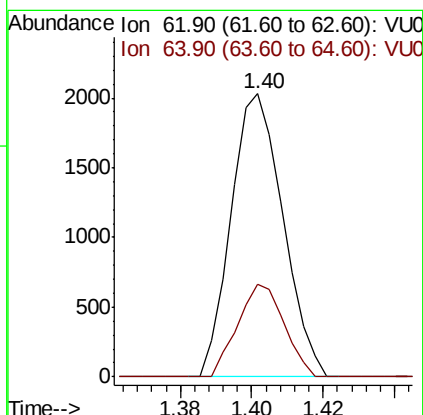
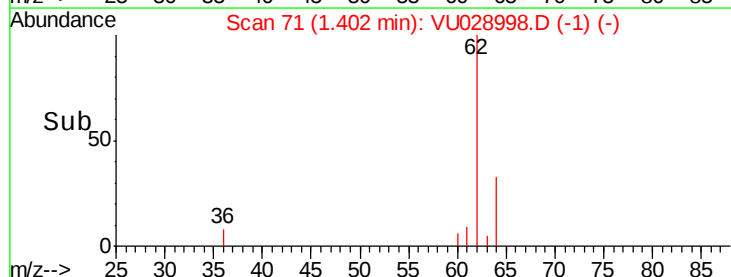
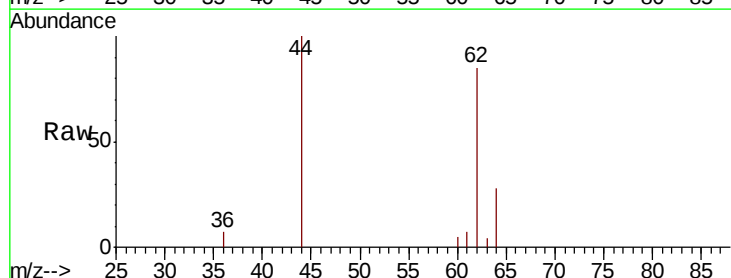
Acq: 03 Jan 2019 15:30

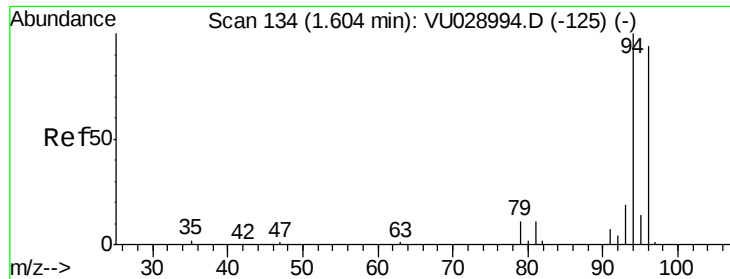
Tgt Ion: 62 Resp: 2036

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9





#5

Bromomethane

Concen: 1.345 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

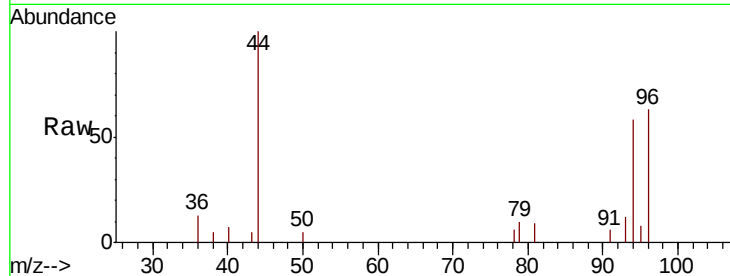
VSTDIC001

Tgt Ion: 94 Resp: 1532

Ion Ratio Lower Upper

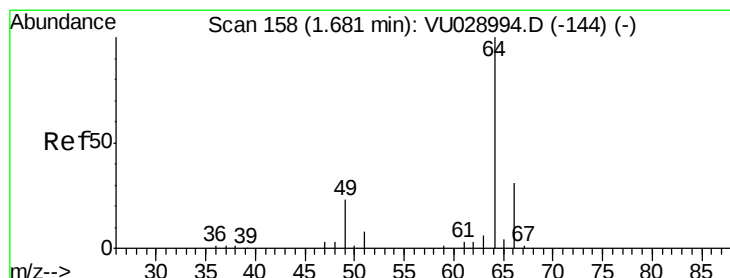
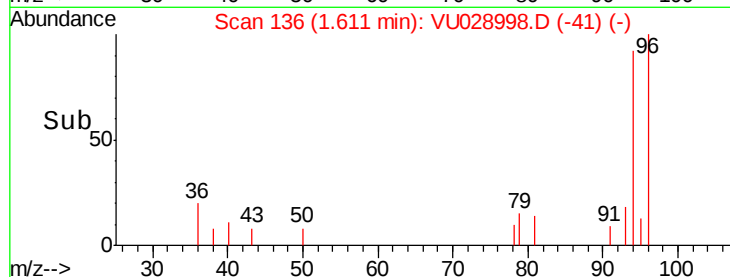
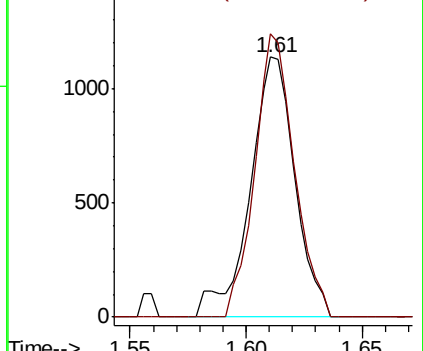
94 100

96 108.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.051 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU028998.D

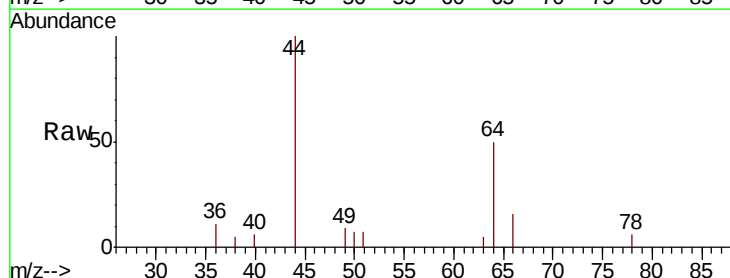
Acq: 03 Jan 2019 15:30

Tgt Ion: 64 Resp: 1191

Ion Ratio Lower Upper

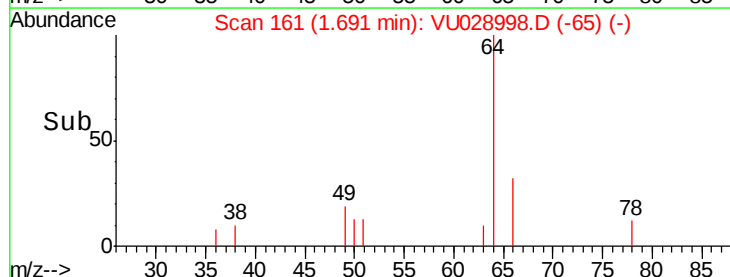
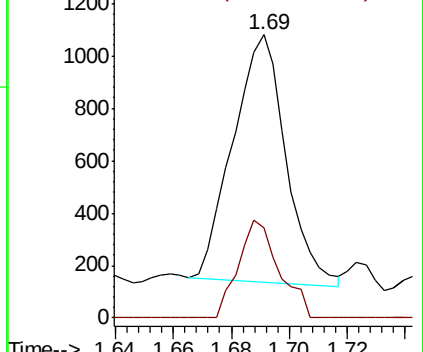
64 100

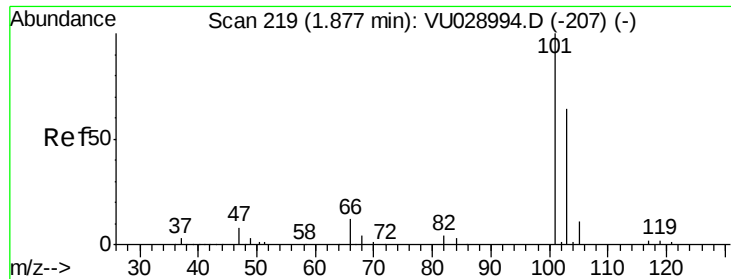
66 37.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 1.055 ug/l

RT: 1.88 min Scan# 219

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

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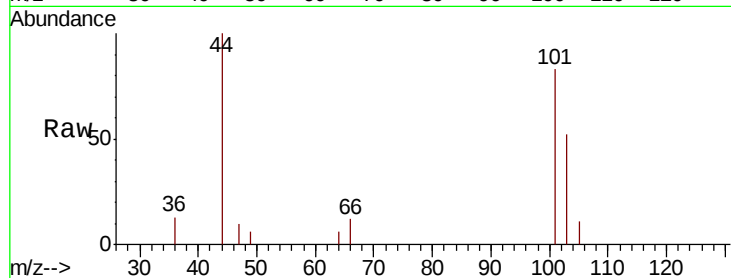
VSTDIC001

Tgt Ion:101 Resp: 2188

Ion Ratio Lower Upper

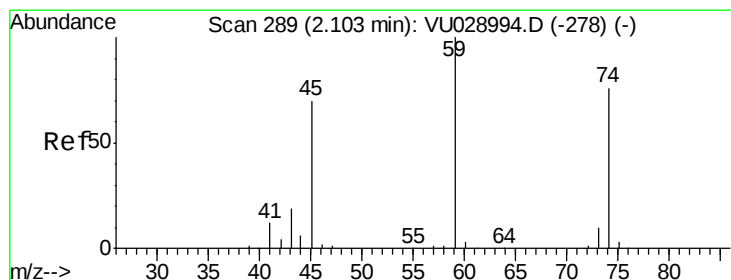
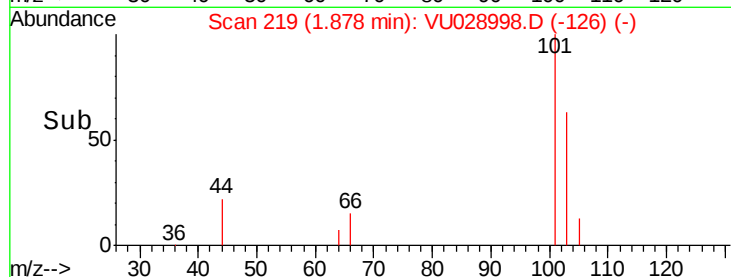
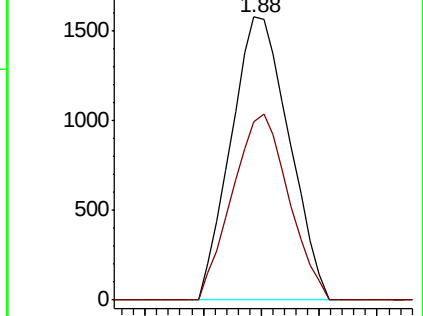
101 100

103 63.2 51.5 77.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.010 ug/l

RT: 2.10 min Scan# 289

Delta R.T. 0.00 min

Lab File: VU028998.D

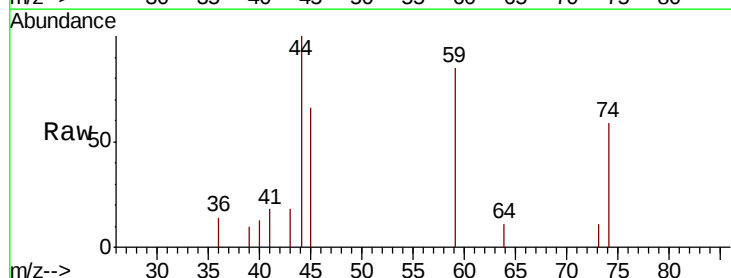
Acq: 03 Jan 2019 15:30

Tgt Ion: 74 Resp: 1006

Ion Ratio Lower Upper

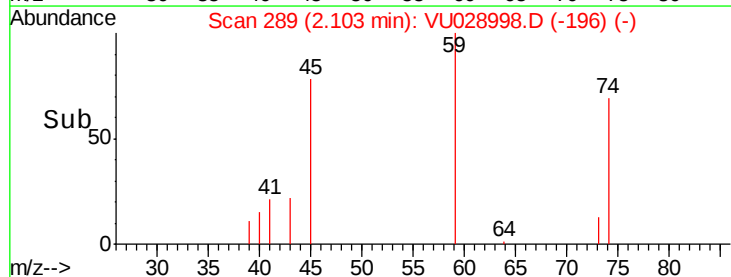
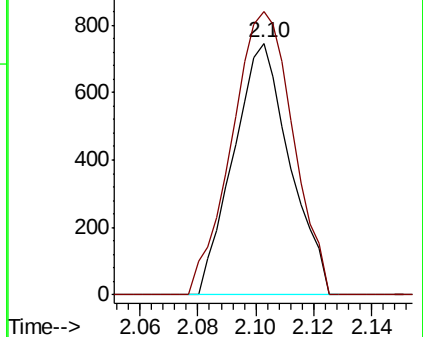
74 100

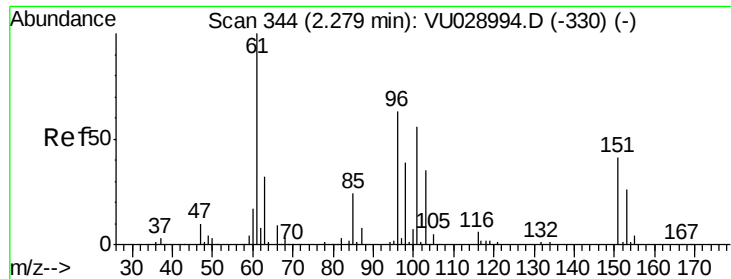
45 122.8 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.195 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

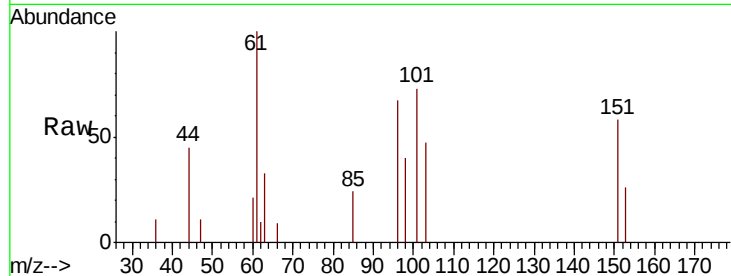
Tgt Ion:101 Resp: 1658

Ion Ratio Lower Upper

101 100

85 35.0 35.1 52.7#

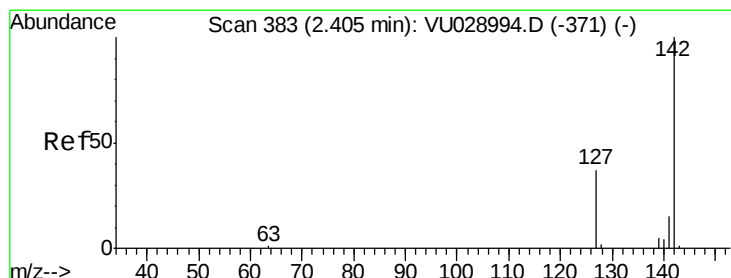
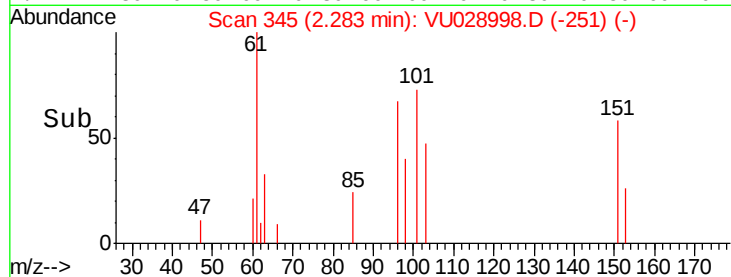
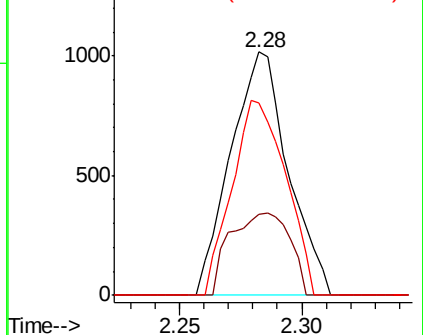
151 75.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.946 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

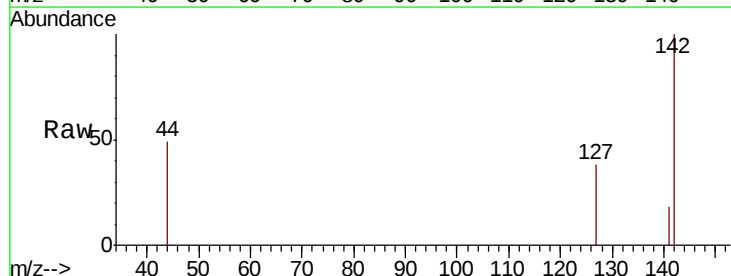
Tgt Ion:142 Resp: 1234

Ion Ratio Lower Upper

142 100

127 32.4 29.8 44.6

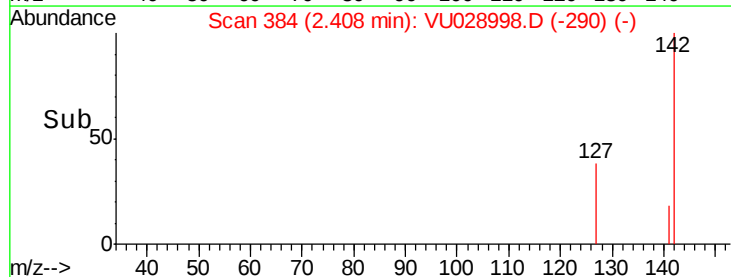
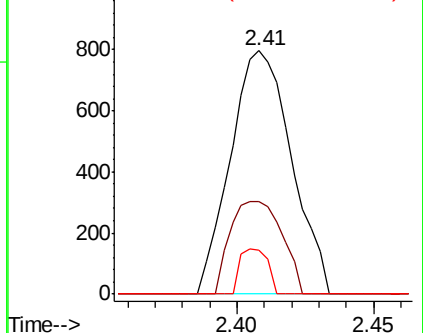
141 8.4 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.457 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampled :

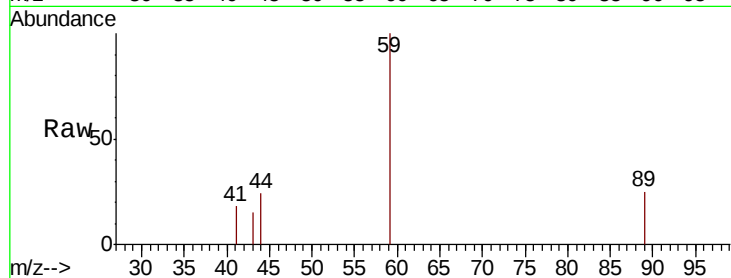
VSTDIC001

Tgt Ion: 59 Resp: 2232

Ion Ratio Lower Upper

59 100

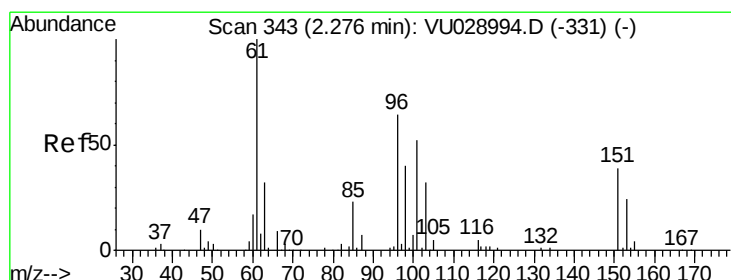
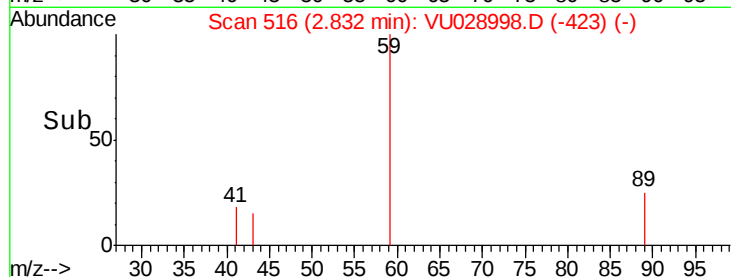
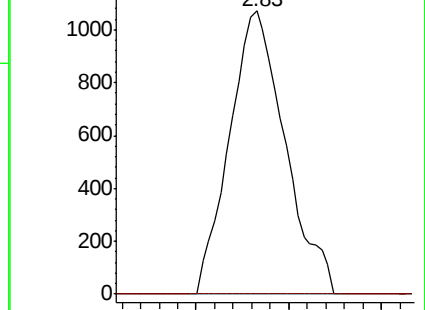
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83



#12

1,1-Dichloroethene

Concen: 1.080 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

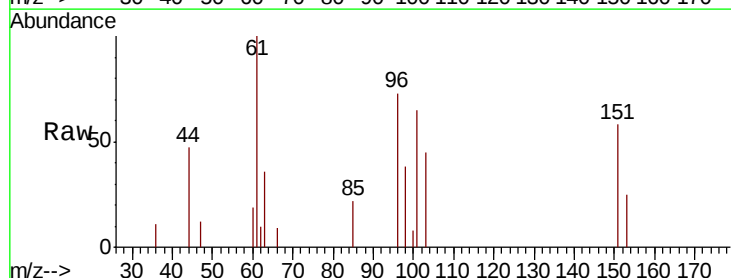
Tgt Ion: 96 Resp: 1458

Ion Ratio Lower Upper

96 100

61 136.2 125.4 188.0

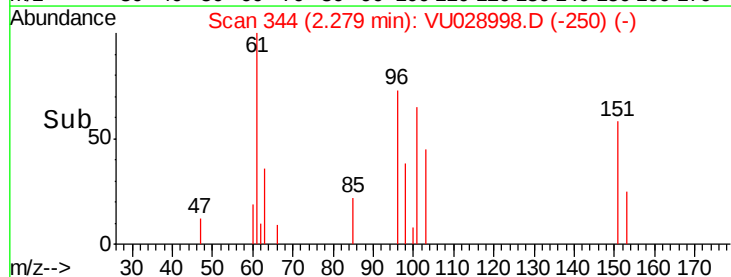
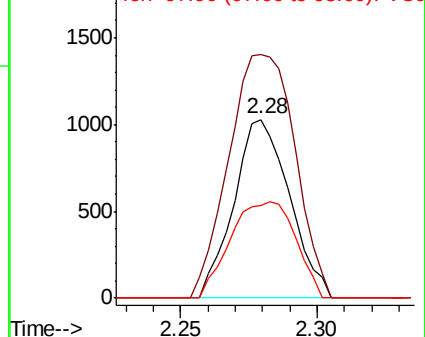
98 51.6 49.7 74.5

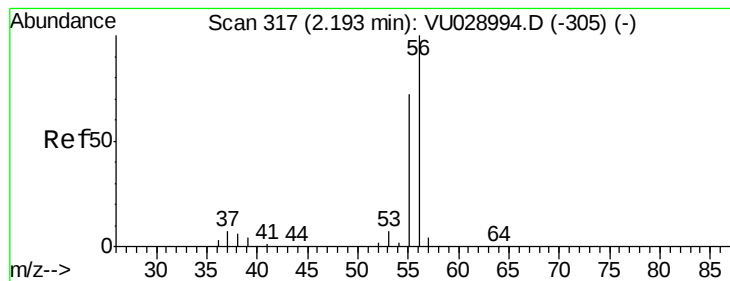


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 6.932 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

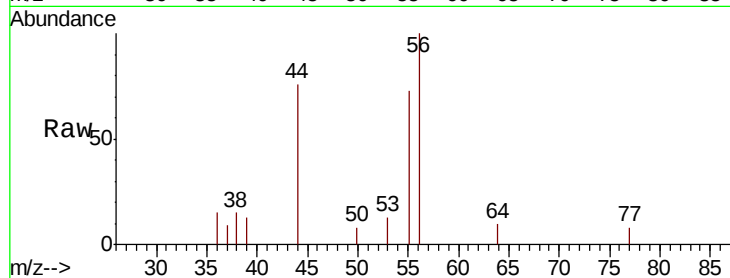
VSTDIC001

Tgt Ion: 56 Resp: 2129

Ion Ratio Lower Upper

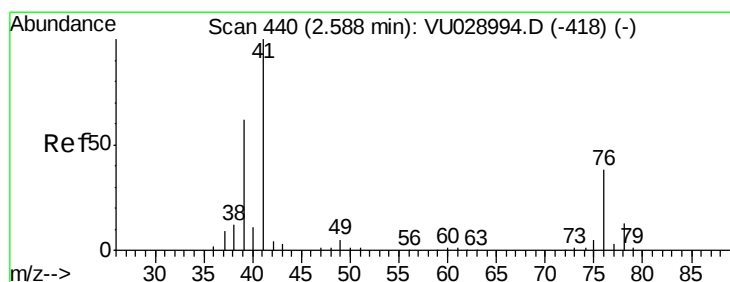
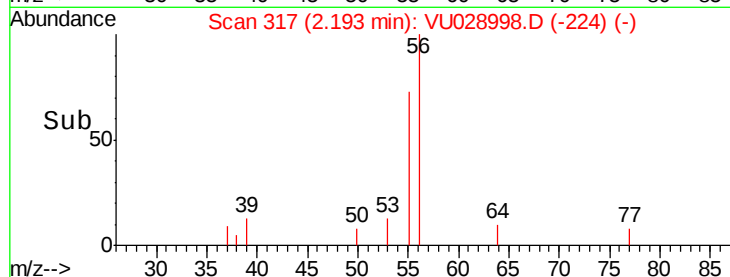
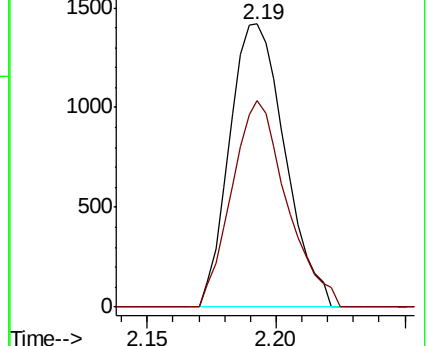
56 100

55 72.3 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 1.019 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

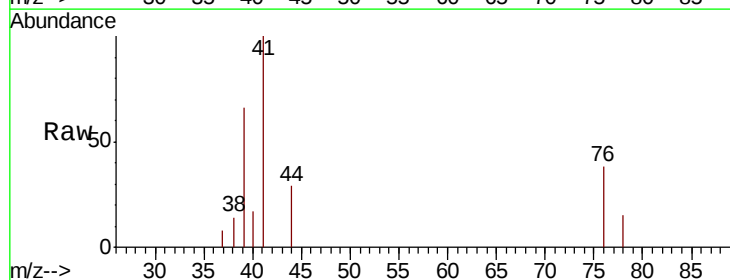
Tgt Ion: 41 Resp: 2523

Ion Ratio Lower Upper

41 100

39 62.3 45.0 67.6

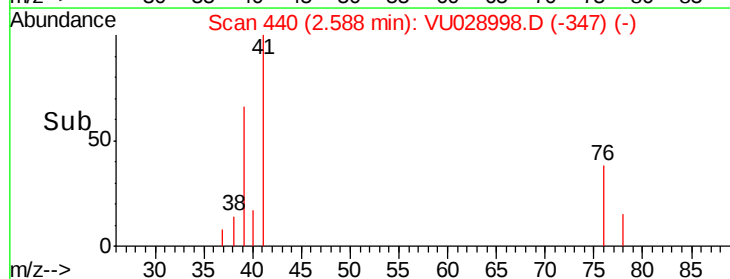
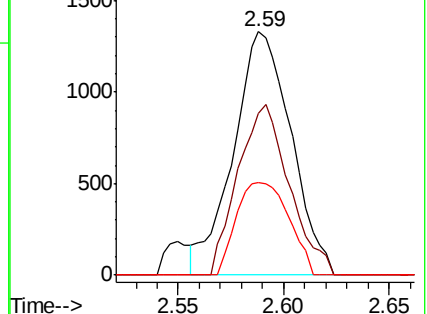
76 34.4 28.1 42.1

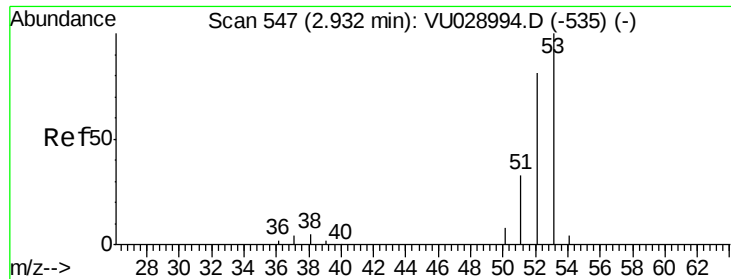


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 4.949 ug/l

RT: 2.94 min Scan# 550

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

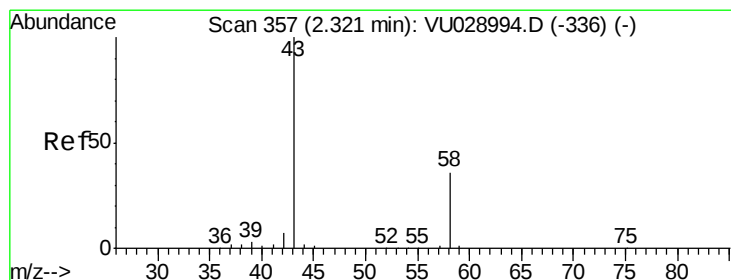
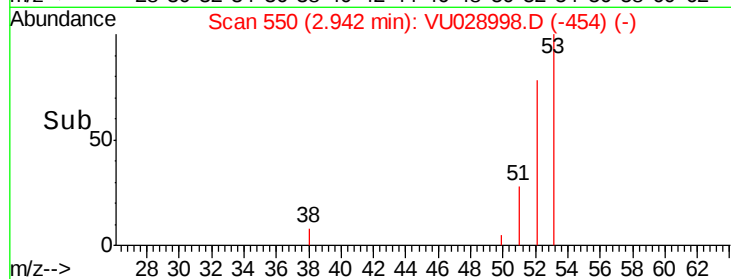
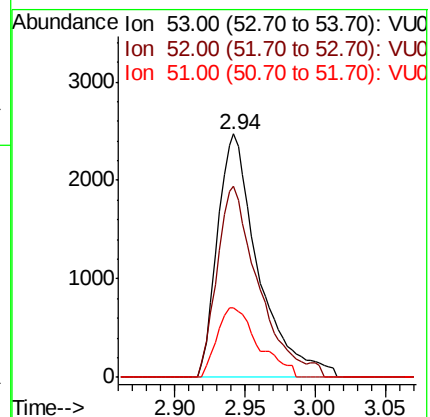
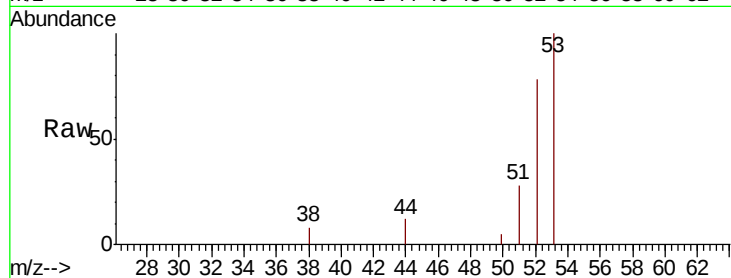
Tgt Ion: 53 Resp: 4966

Ion Ratio Lower Upper

53 100

52 79.8 64.8 97.2

51 28.9 27.3 40.9



#16

Acetone

Concen: 6.126 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028998.D

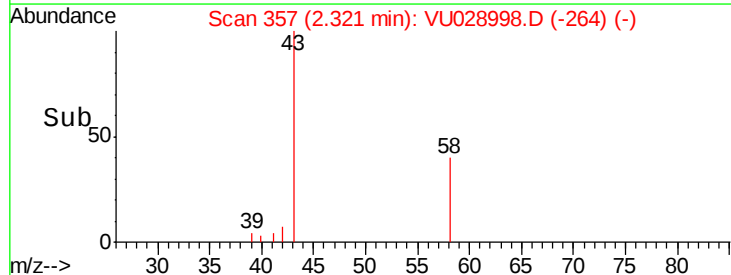
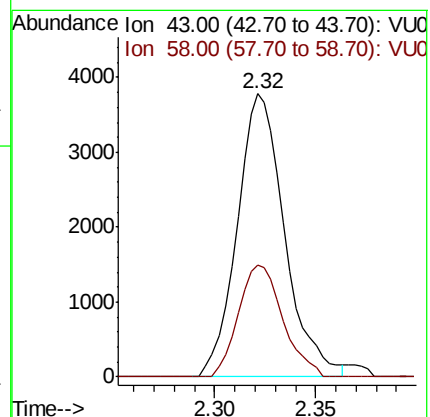
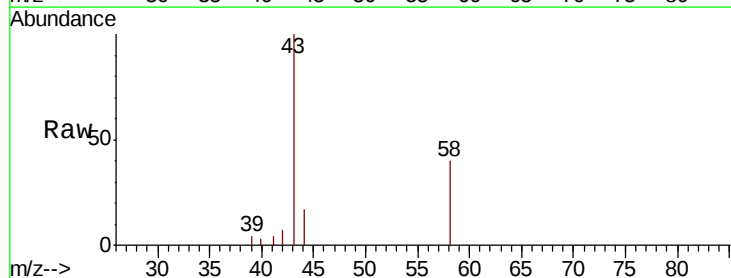
Acq: 03 Jan 2019 15:30

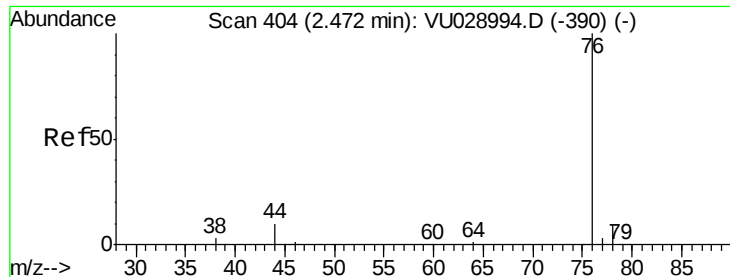
Tgt Ion: 43 Resp: 6210

Ion Ratio Lower Upper

43 100

58 39.7 28.6 42.8

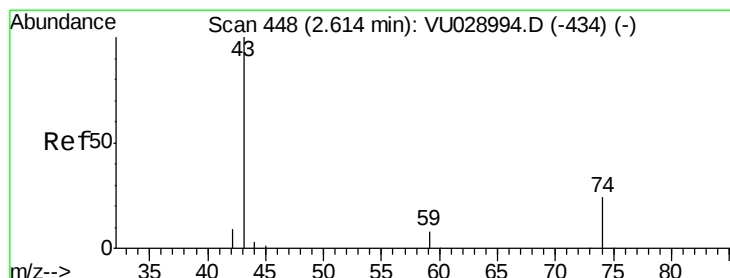
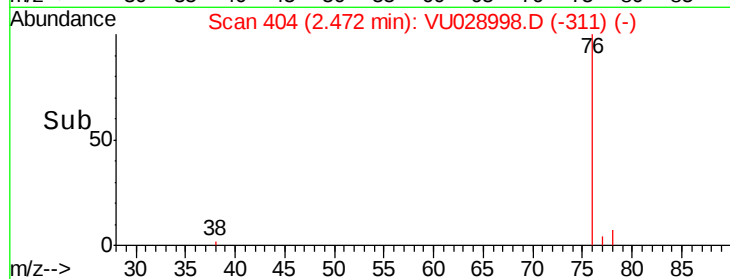
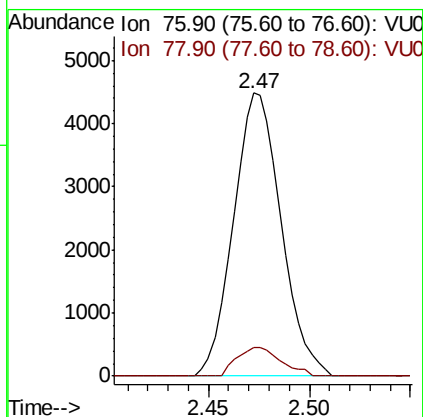
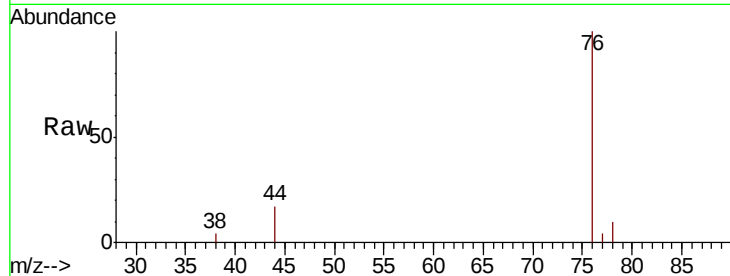




#17
Carbon Disulfide
Concen: 1.474 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

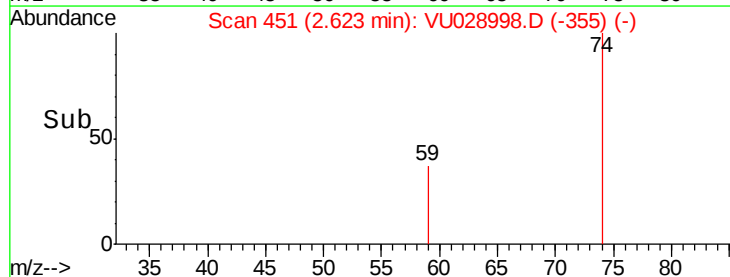
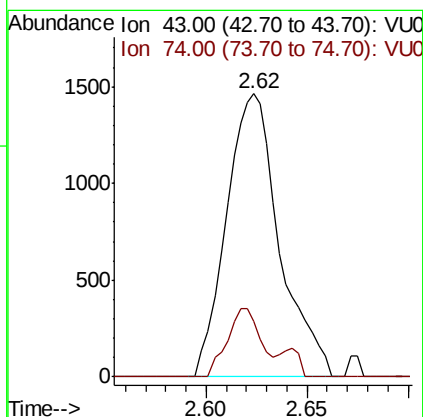
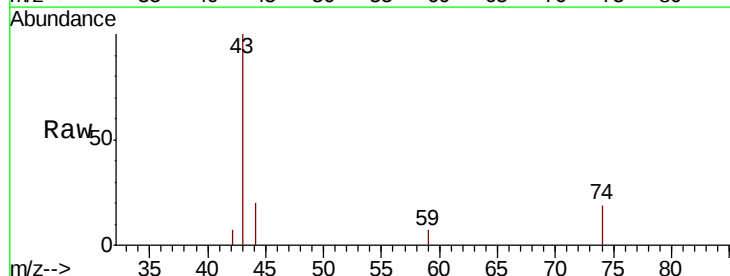
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

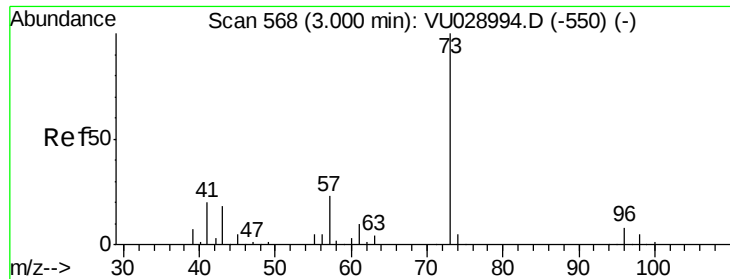
Tgt Ion: 76 Resp: 7406
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 1.138 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 43 Resp: 2683
Ion Ratio Lower Upper
43 100
74 15.2 19.5 29.3#



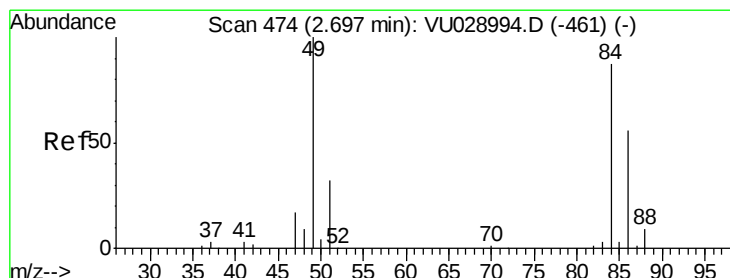
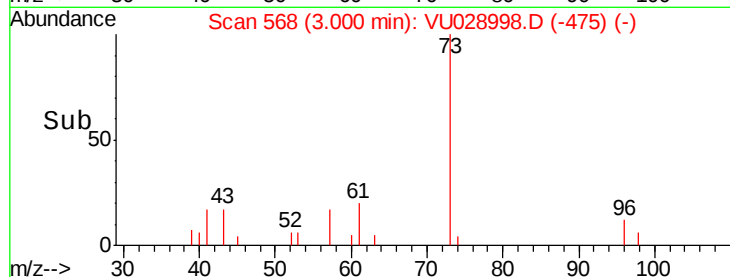
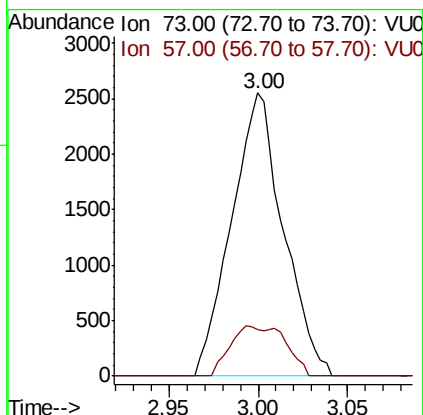
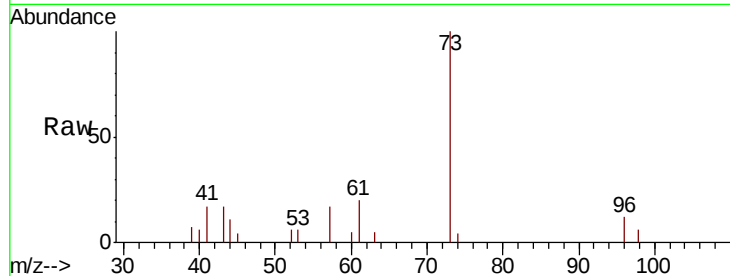


#19

Methyl tert-butyl Ether
 Concen: 1.088 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

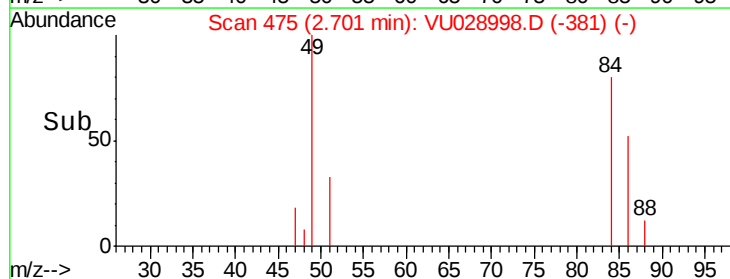
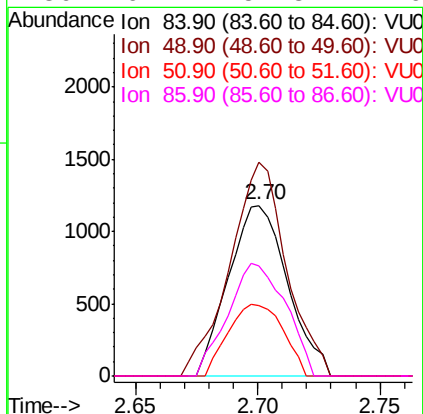
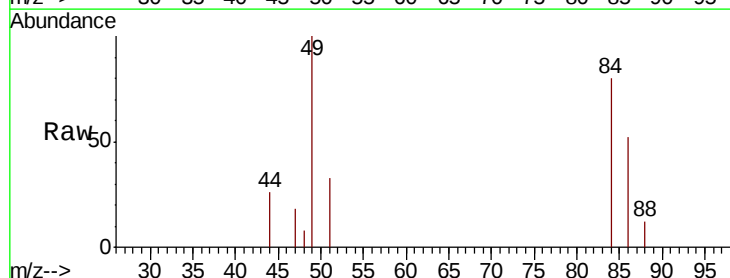
Tgt Ion: 73 Resp: 5163
 Ion Ratio Lower Upper
 73 100
 57 16.6 18.6 28.0#

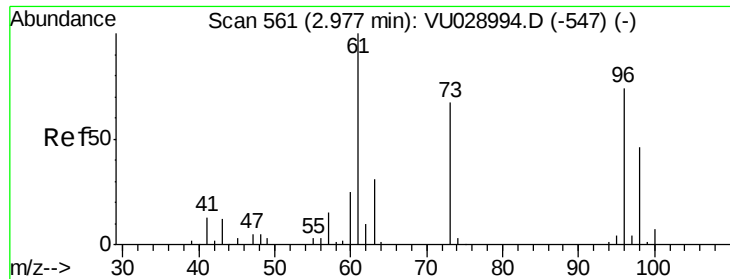


#20

Methylene Chloride
 Concen: 1.152 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 84 Resp: 1983
 Ion Ratio Lower Upper
 84 100
 49 125.4 91.9 137.9
 51 41.5 29.2 43.8
 86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 1.140 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

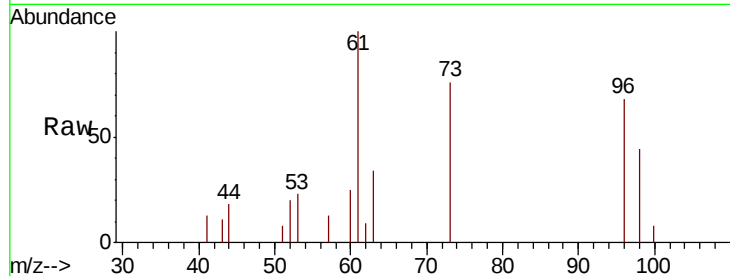
Tgt Ion: 96 Resp: 1788

Ion Ratio Lower Upper

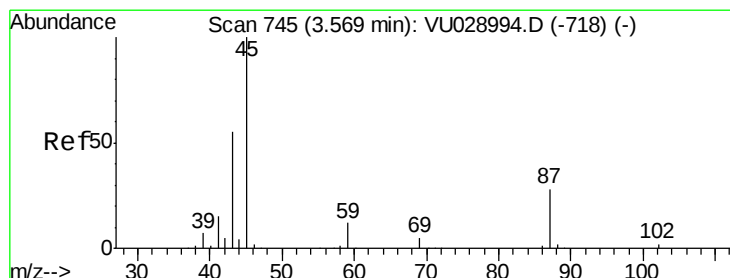
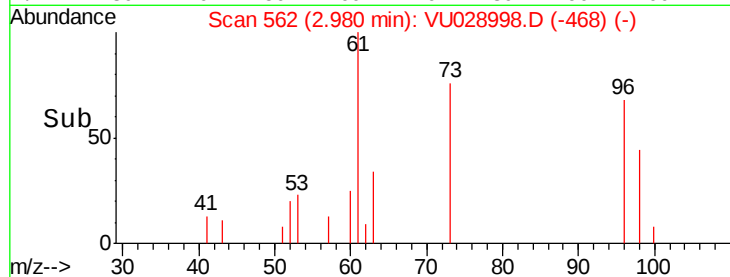
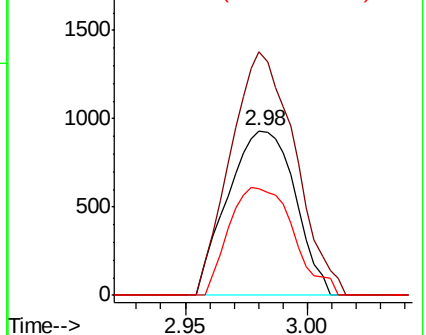
96 100

61 148.0 107.7 161.5

98 64.8 49.2 73.8



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



#22

Diisopropyl ether

Concen: 1.001 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Tgt Ion: 45 Resp: 4900

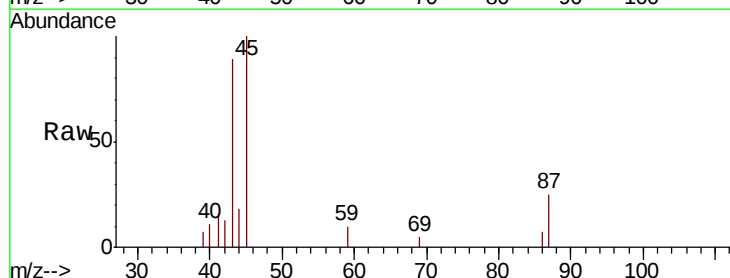
Ion Ratio Lower Upper

45 100

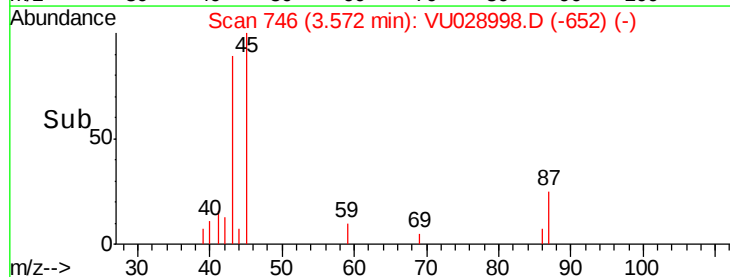
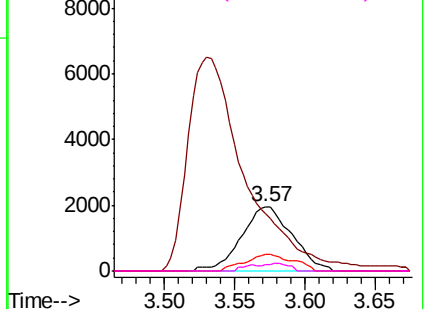
43 75.2 44.7 67.1#

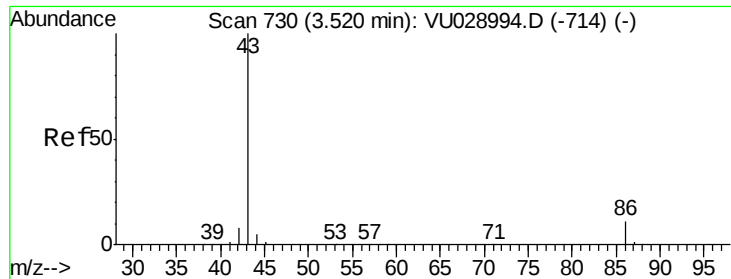
87 25.4 22.2 33.2

59 9.7 9.8 14.8#



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 4.634 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

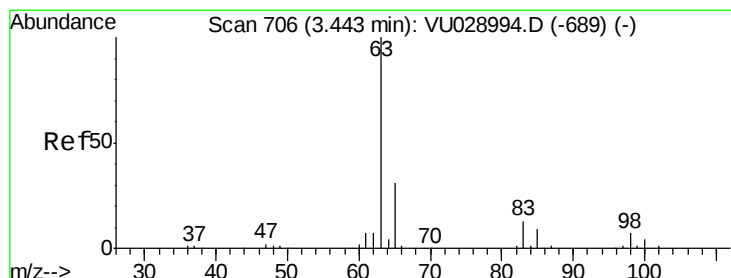
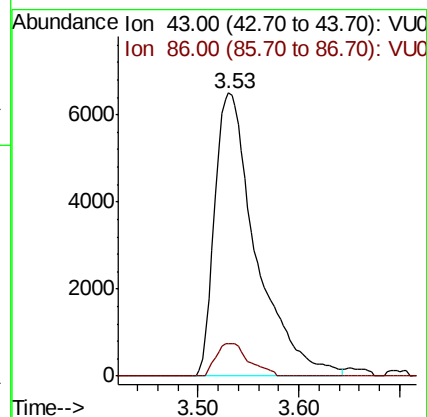
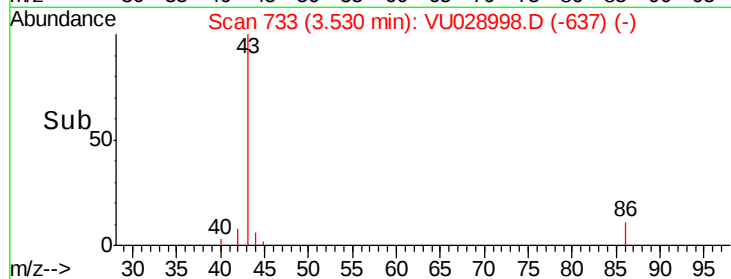
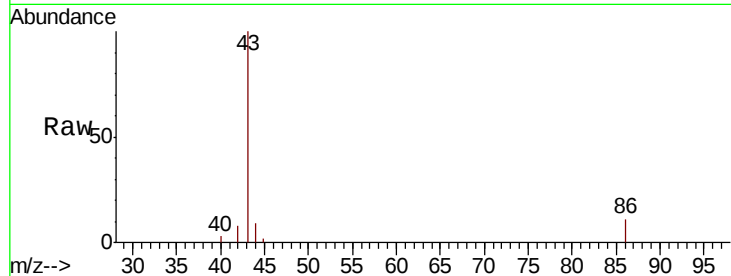
VSTDIC001

Tgt Ion: 43 Resp: 18545

Ion Ratio Lower Upper

43 100

86 11.3 8.6 13.0



#24

1,1-Dichloroethane

Concen: 0.983 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

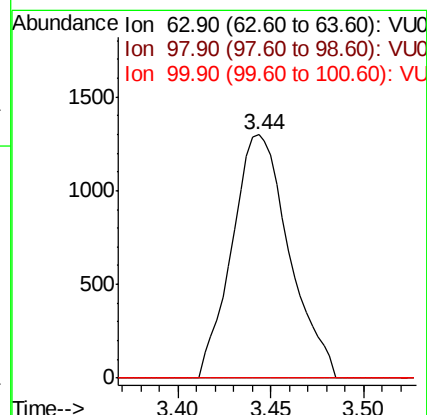
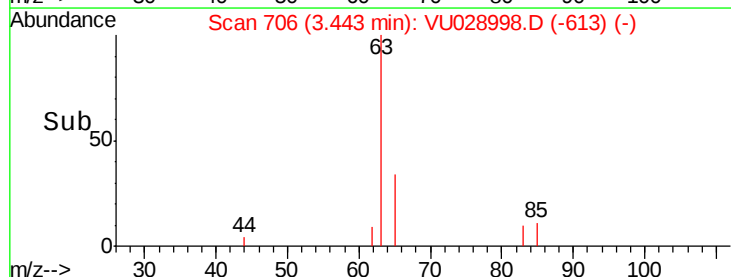
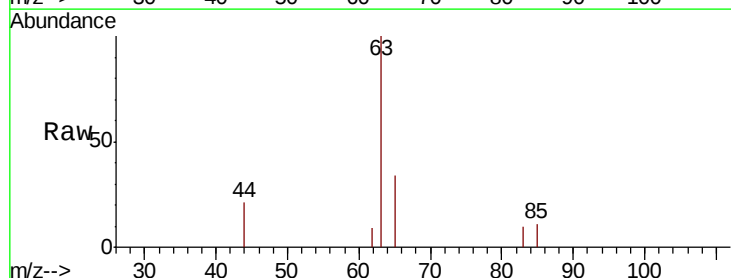
Tgt Ion: 63 Resp: 2777

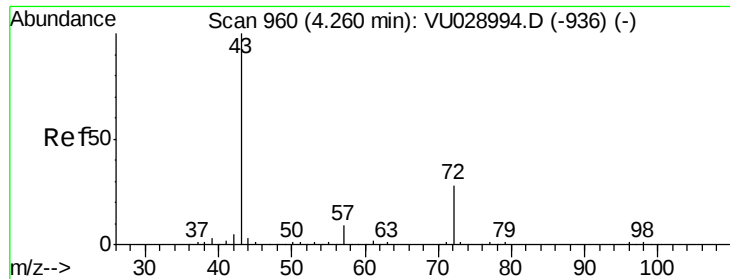
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 4.787 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.02 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

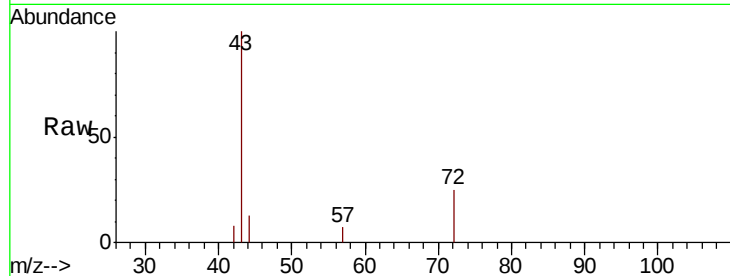
VSTDIC001

Tgt Ion: 43 Resp: 6554

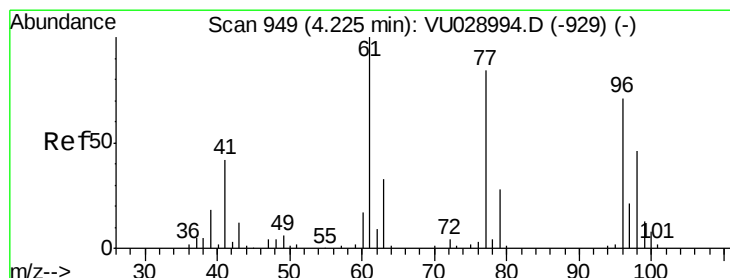
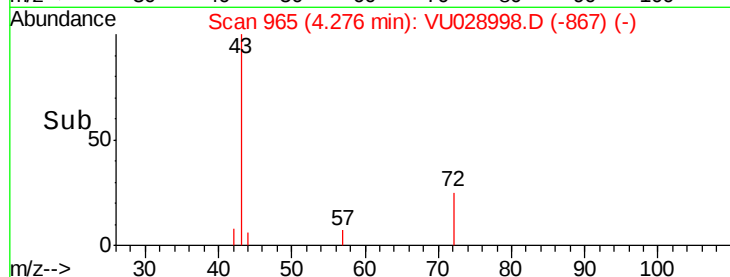
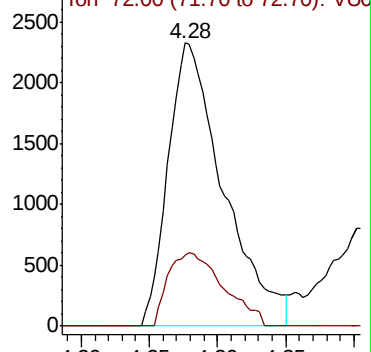
Ion Ratio Lower Upper

43 100

72 25.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-867) (-)



#26

2,2-Dichloropropane

Concen: 1.041 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028998.D

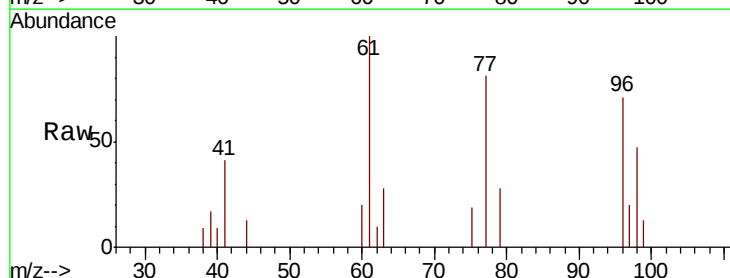
Acq: 03 Jan 2019 15:30

Tgt Ion: 77 Resp: 2377

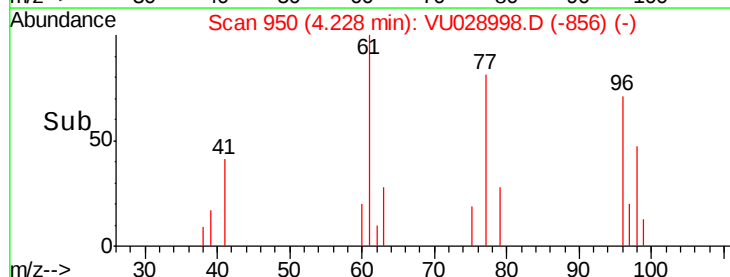
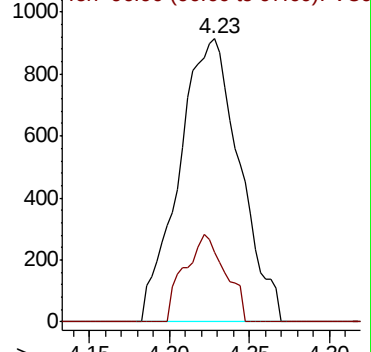
Ion Ratio Lower Upper

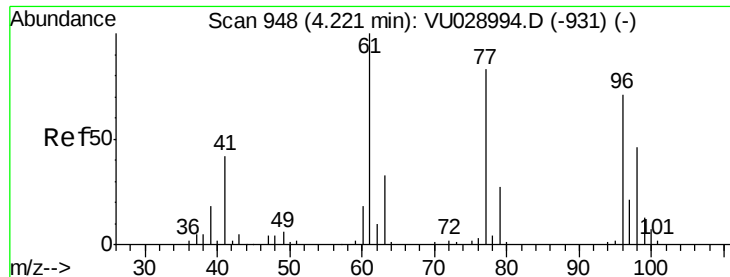
77 100

97 20.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-856) (-)



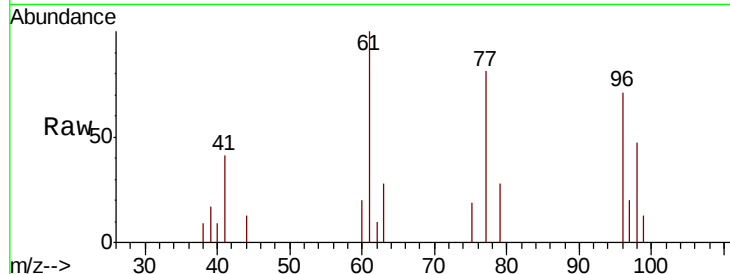


#27

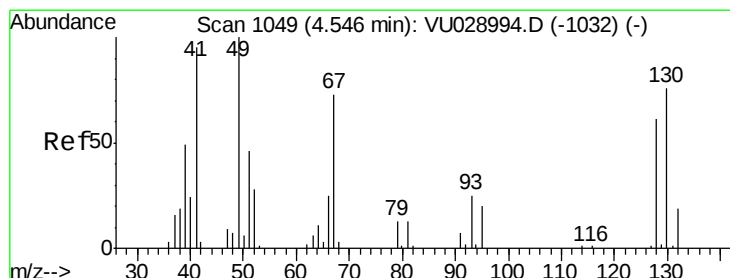
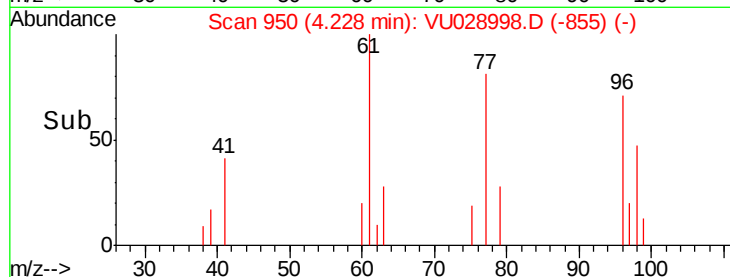
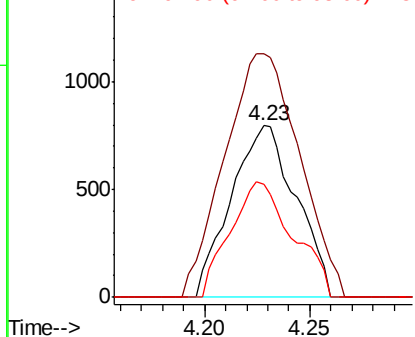
cis-1,2-Dichloroethene
 Concen: 0.996 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 96 Resp: 1708
 Ion Ratio Lower Upper
 96 100
 61 163.4 0.0 285.6
 98 64.8 0.0 130.2



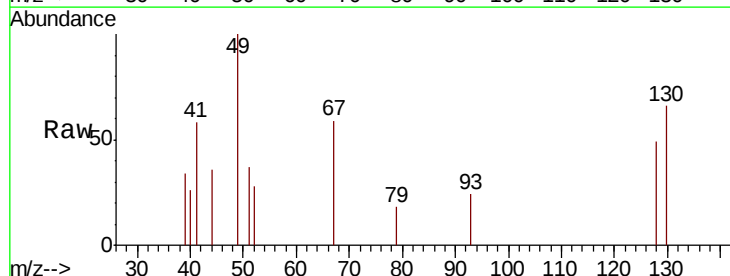
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



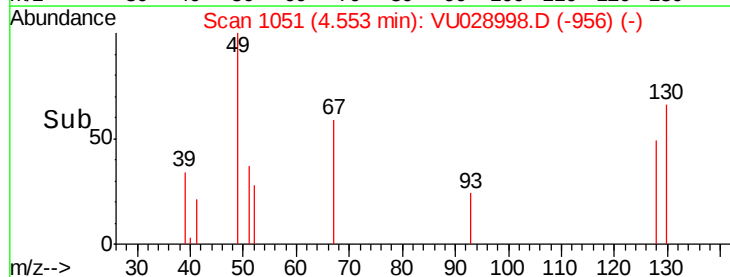
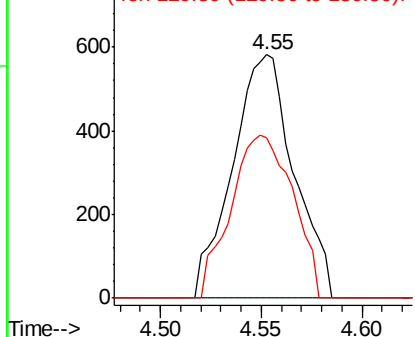
#28

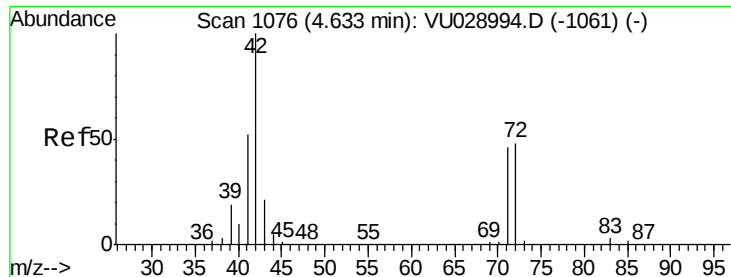
Bromochloromethane
 Concen: 1.025 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 49 Resp: 1240
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 67.4 62.9 94.3



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: 4.769 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

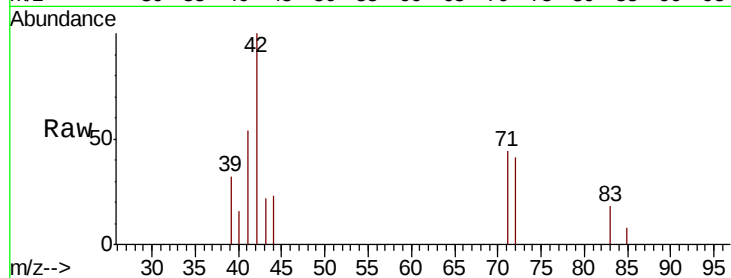
Tgt Ion: 42 Resp: 3960

Ion Ratio Lower Upper

42 100

72 16.5 38.3 57.5#

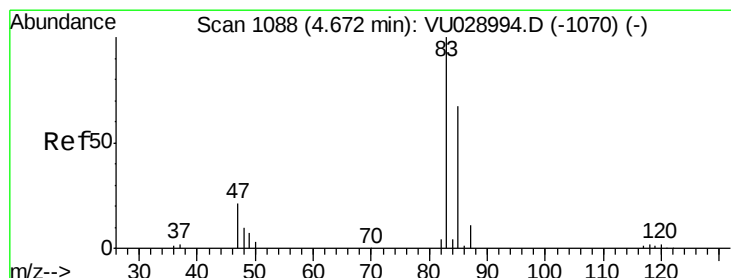
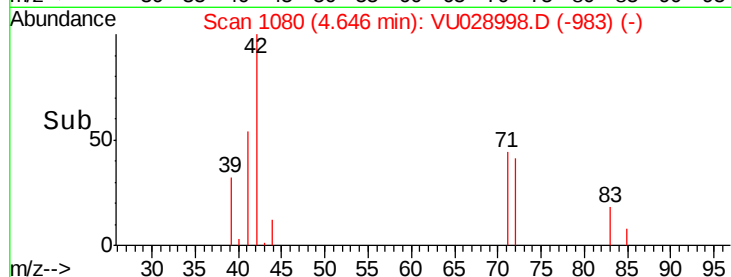
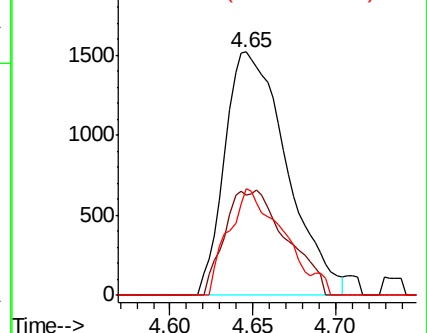
71 39.2 36.1 54.1



Abundance Ion 42.00 (41.70 to 42.70): VU028998.D (-983) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-983) (-)

Ion 71.00 (70.70 to 71.70): VU028998.D (-983) (-)



#30

Chloroform

Concen: 0.996 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU028998.D

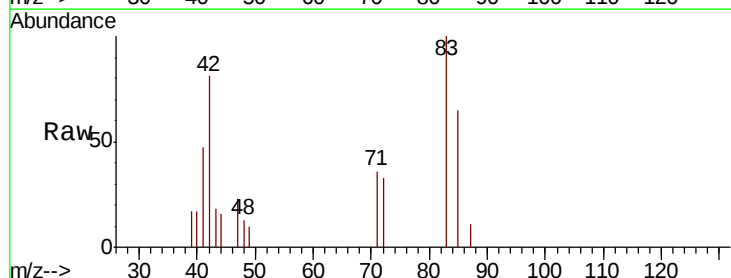
Acq: 03 Jan 2019 15:30

Tgt Ion: 83 Resp: 2681

Ion Ratio Lower Upper

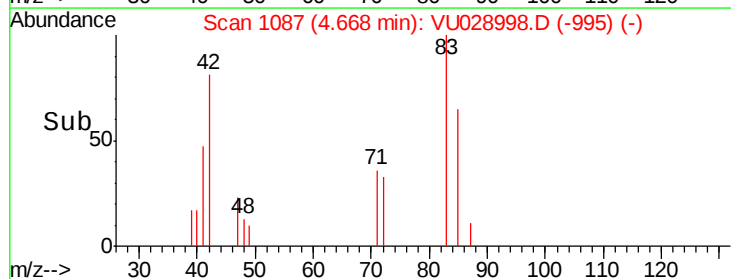
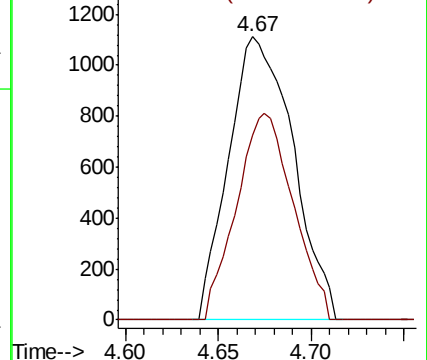
83 100

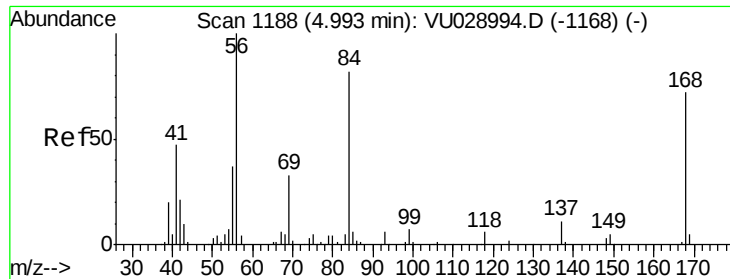
85 65.3 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-995) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-995) (-)

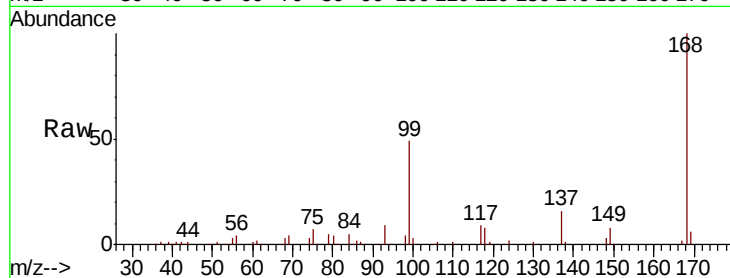




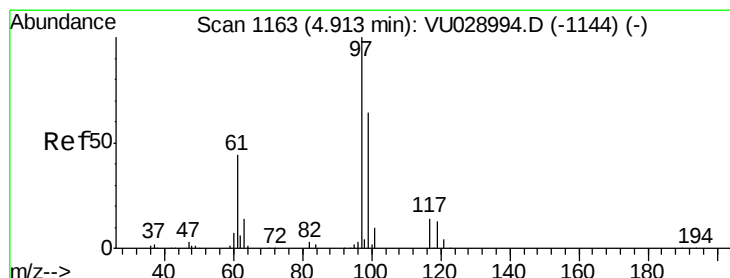
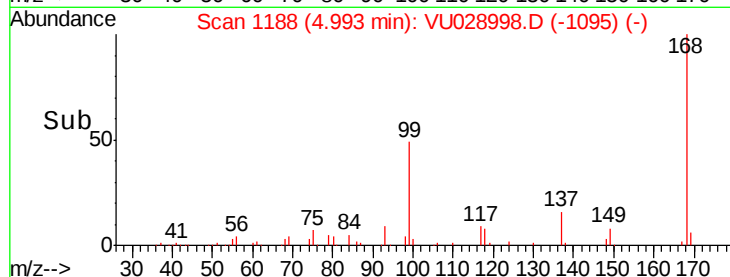
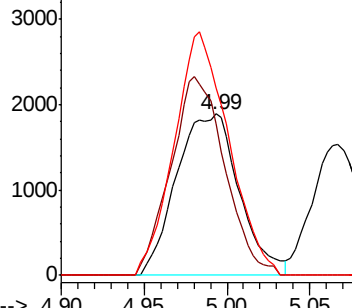
#31
Cyclohexane
Concen: 1.595 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 56 Resp: 4988
Ion Ratio Lower Upper
56 100
69 94.0 26.7 40.1#
84 116.5 65.7 98.5#

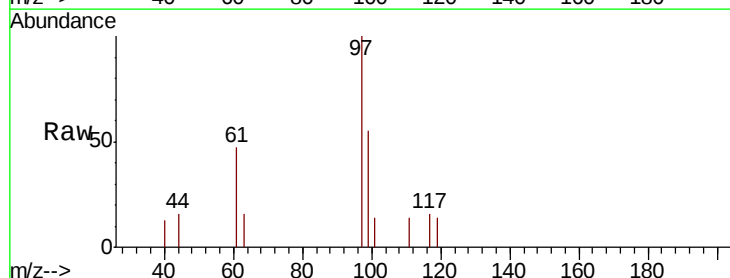


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

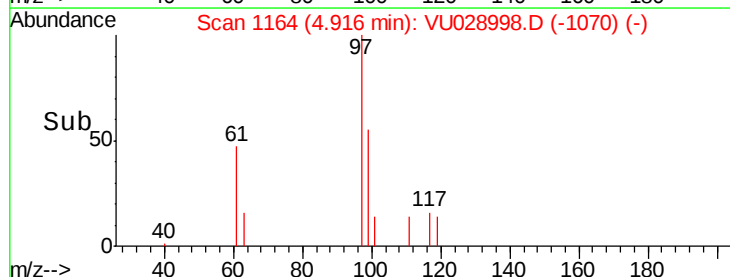
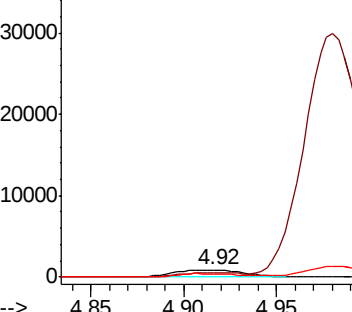


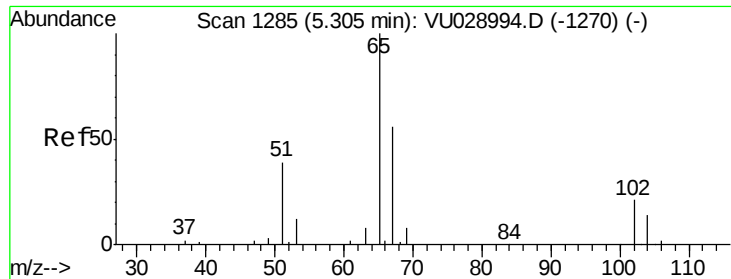
#32
1,1,1-Trichloroethane
Concen: 1.029 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 97 Resp: 2289
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 44.9 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

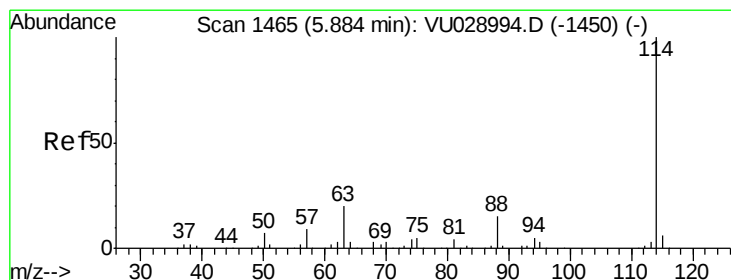
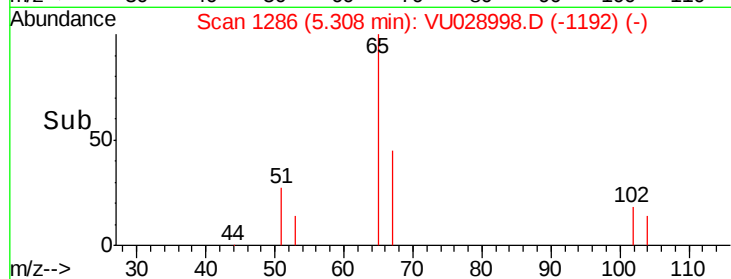
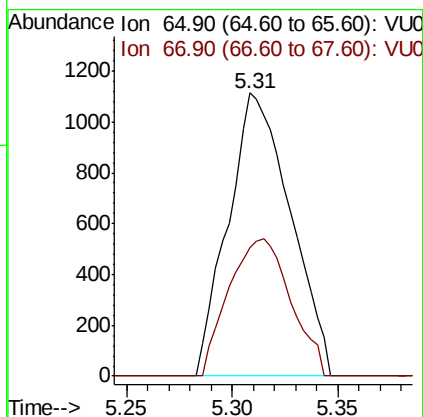
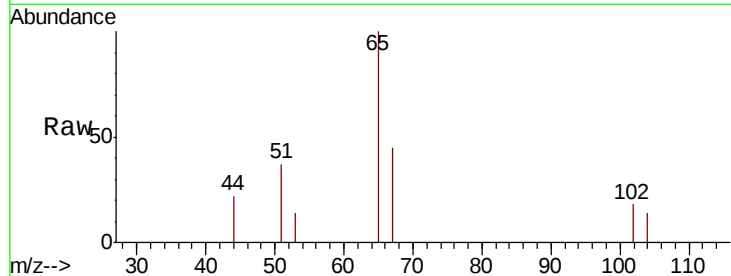




#33
 1,2-Dichloroethane-d4
 Concen: 1.419 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

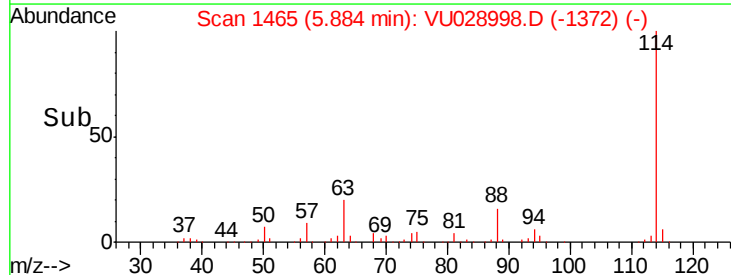
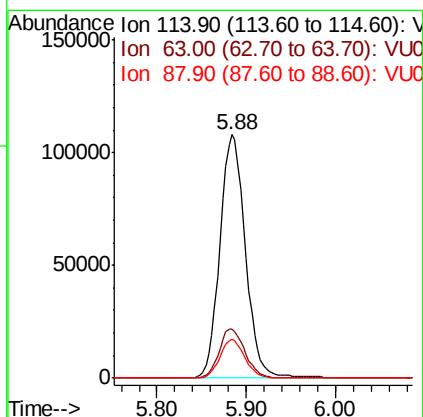
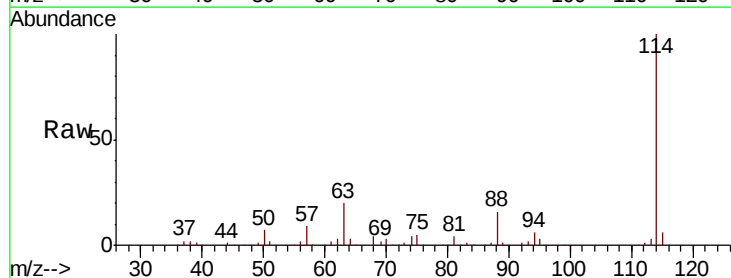
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

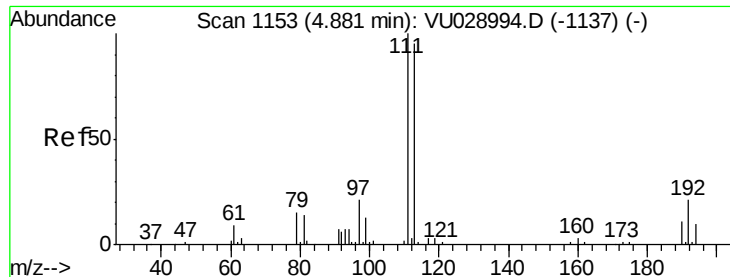
Tgt Ion: 65 Resp: 2284
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 114 Resp: 214488
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 1.250 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

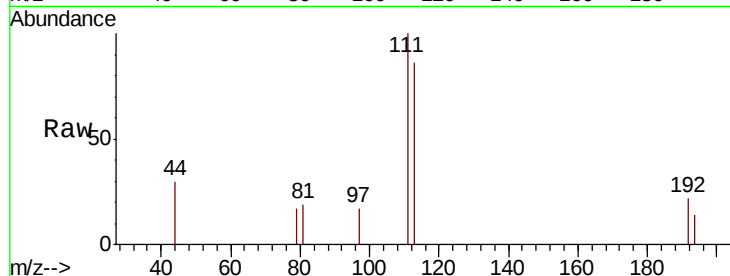
Tgt Ion:113 Resp: 1738

Ion Ratio Lower Upper

113 100

111 117.7 81.4 122.2

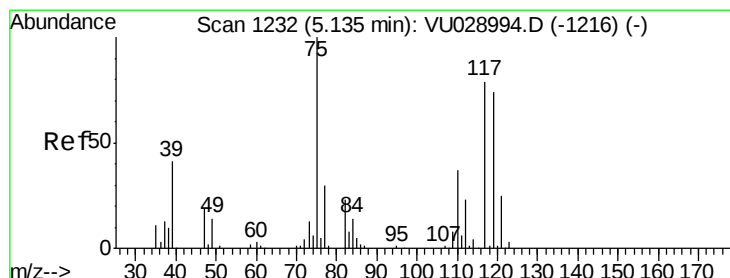
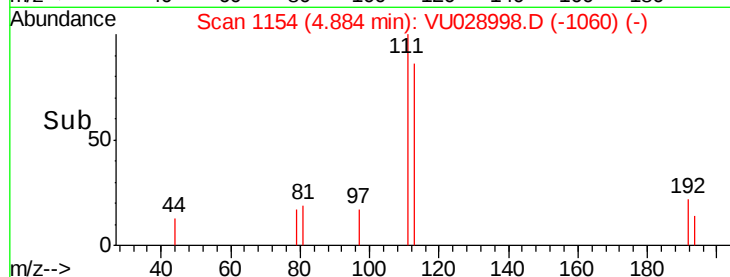
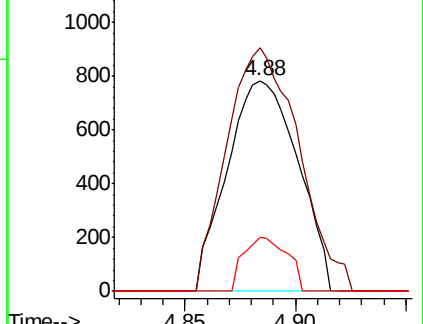
192 15.9 16.8 25.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.099 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

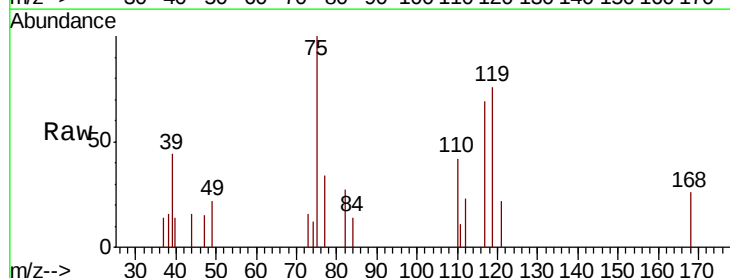
Tgt Ion: 75 Resp: 2357

Ion Ratio Lower Upper

75 100

110 36.1 18.4 55.4

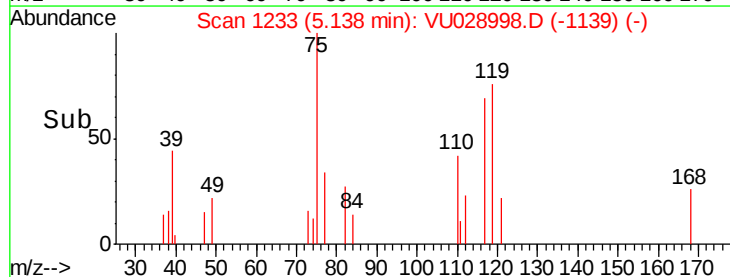
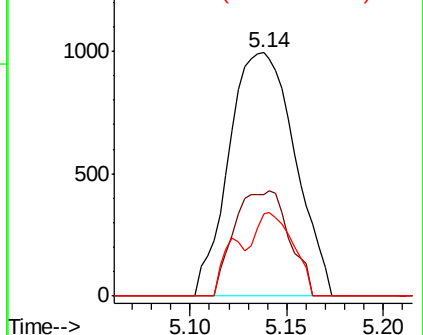
77 20.4 25.1 37.7#

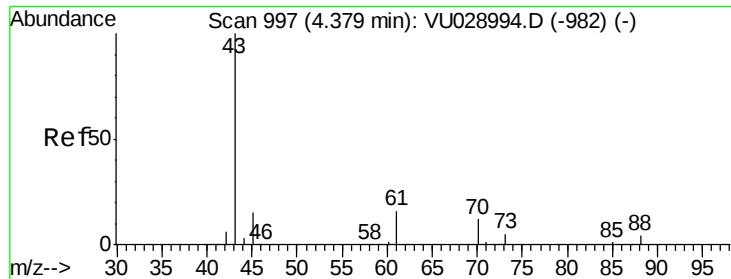


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

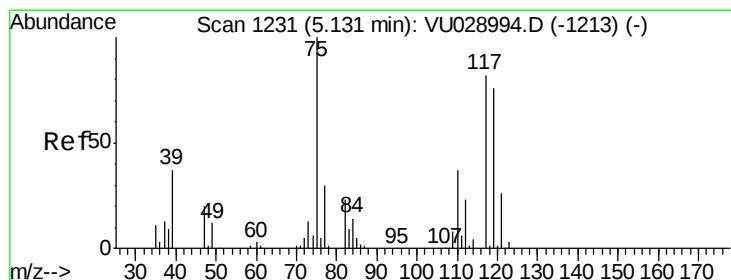
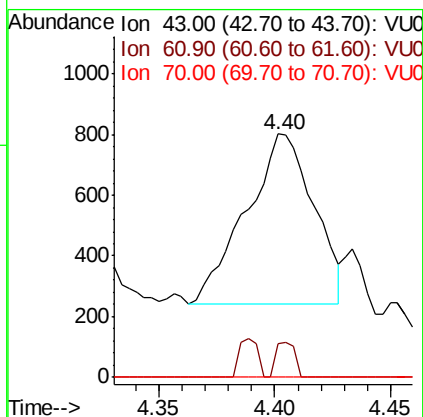
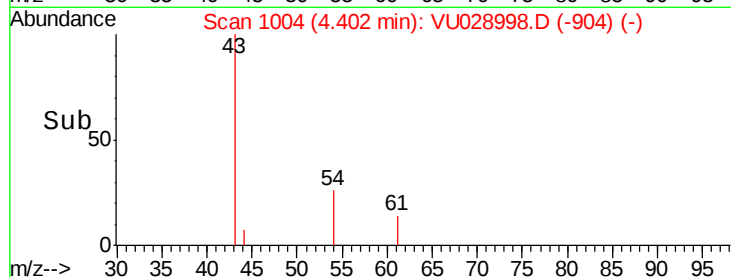
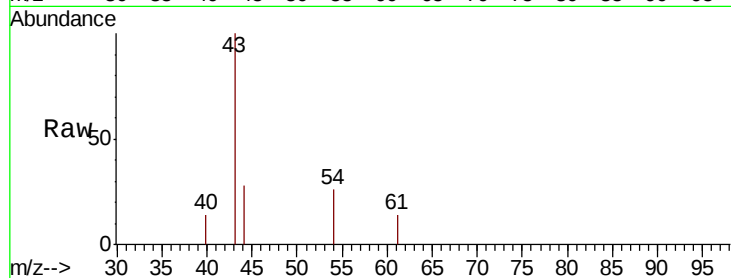




#37
Ethyl Acetate
Concen: 0.466 ug/l
RT: 4.40 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

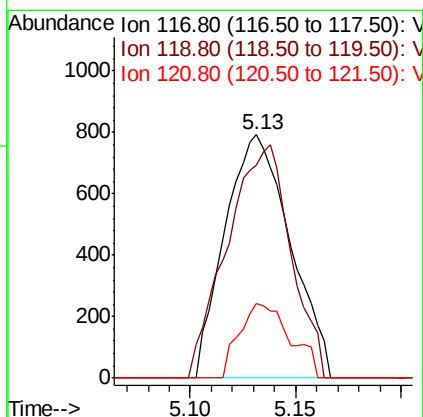
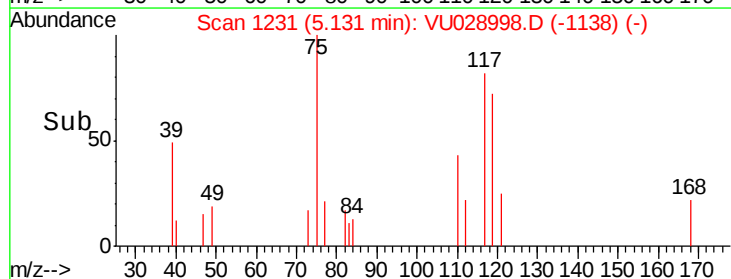
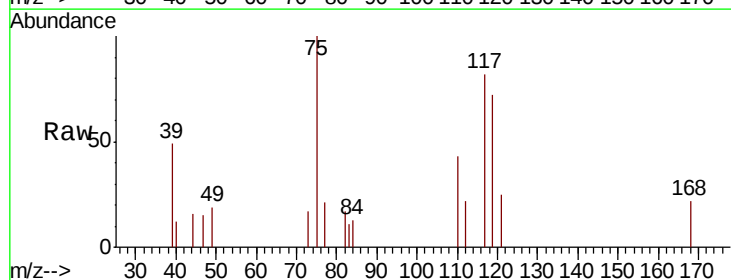
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

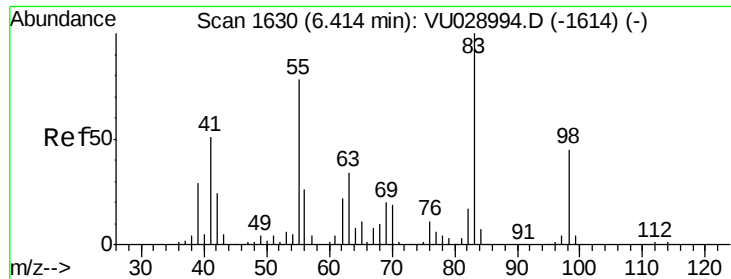
Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
61 0.0 12.6 18.8#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 0.953 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 117 Resp: 1704
Ion Ratio Lower Upper
117 100
119 87.4 74.6 111.8
121 30.6 25.0 37.6

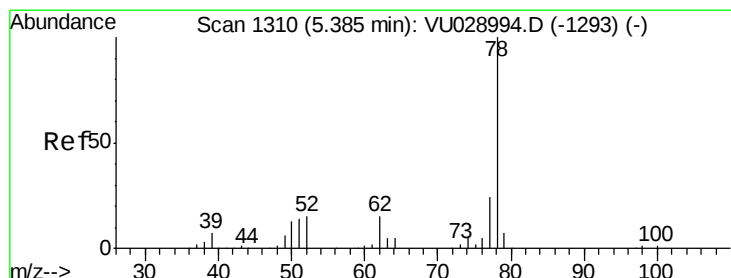
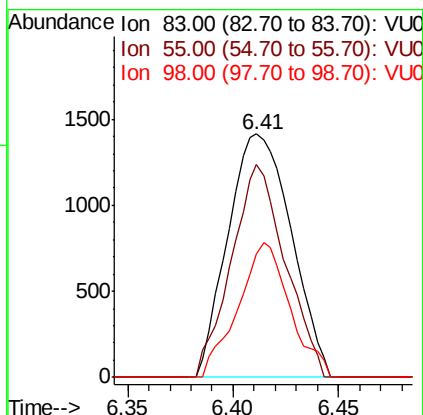
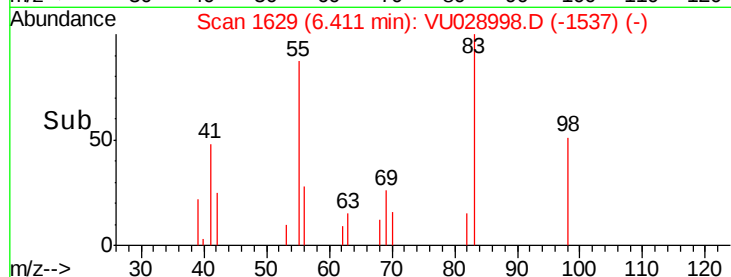
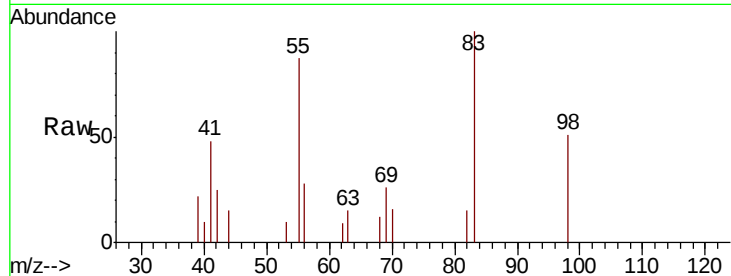




#39
Methylcyclohexane
Concen: 1.119 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

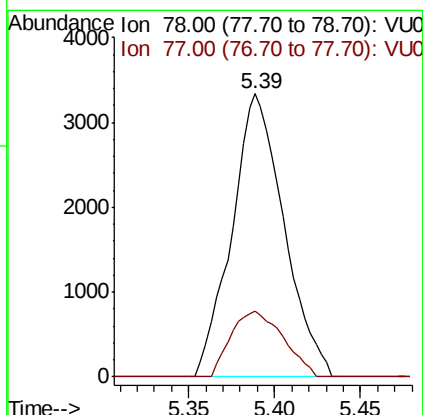
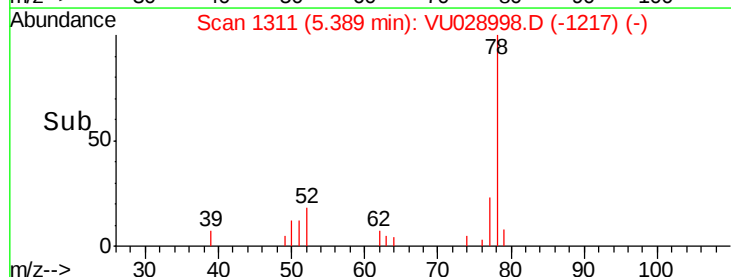
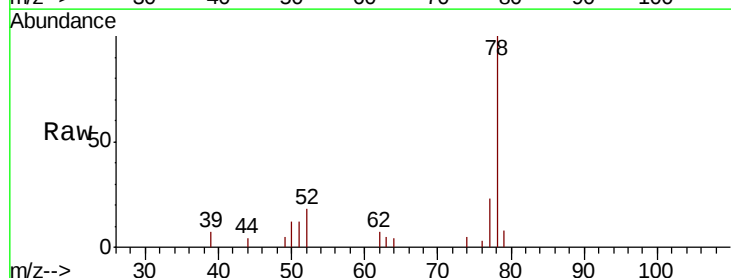
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

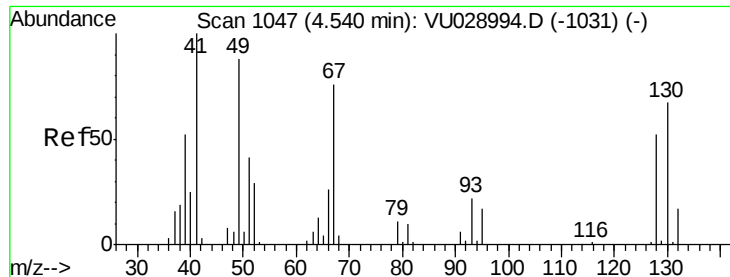
Tgt Ion: 83 Resp: 2949
Ion Ratio Lower Upper
83 100
55 87.3 62.4 93.6
98 50.5 36.2 54.2



#40
Benzene
Concen: 1.051 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 78 Resp: 7030
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

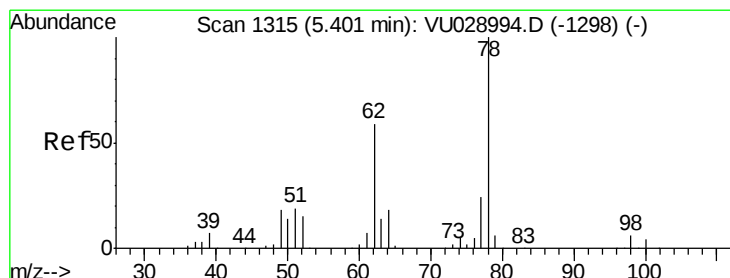
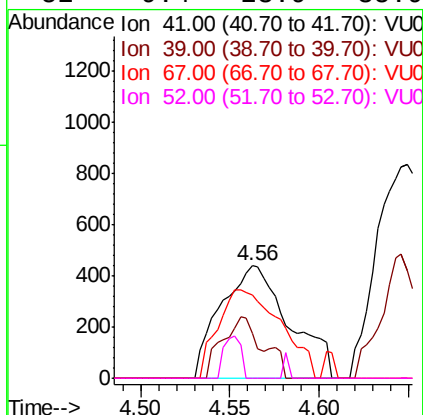
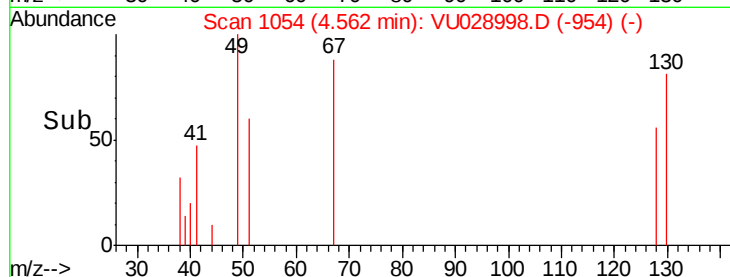
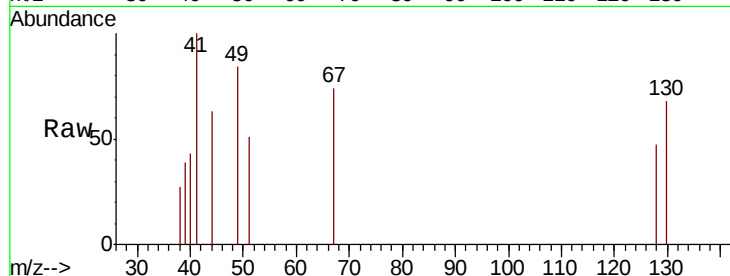




#41
Methacrylonitrile
Concen: 0.933 ug/l
RT: 4.56 min Scan# 1054
Delta R.T. 0.02 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

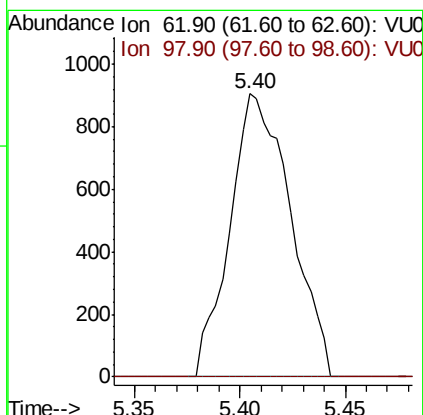
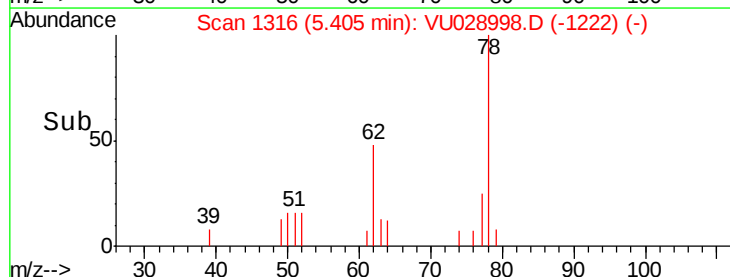
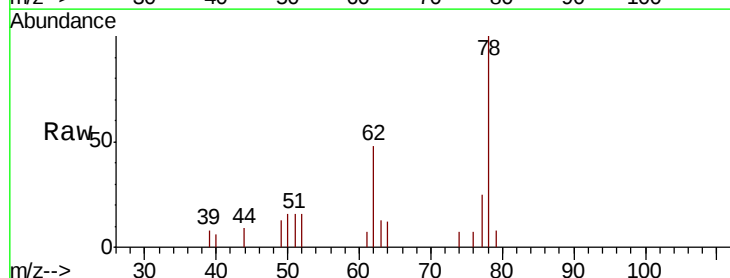
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

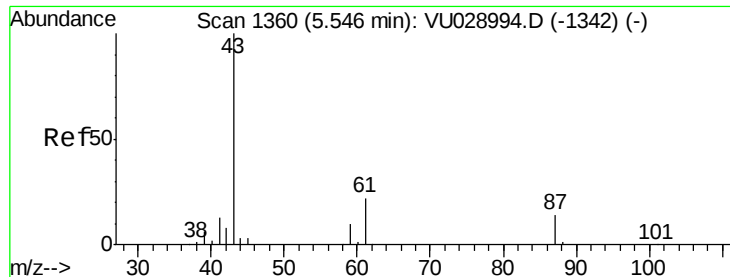
Tgt Ion: 41 Resp: 1175
Ion Ratio Lower Upper
41 100
39 26.7 42.3 63.5#
67 71.7 64.4 96.6
52 9.4 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.903 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 62 Resp: 1814
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 0.898 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

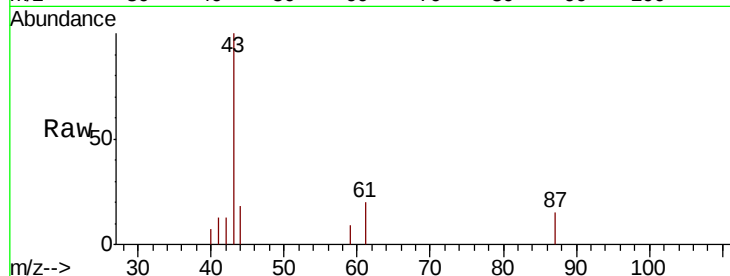
Tgt Ion: 43 Resp: 3240

Ion Ratio Lower Upper

43 100

61 18.5 17.8 26.6

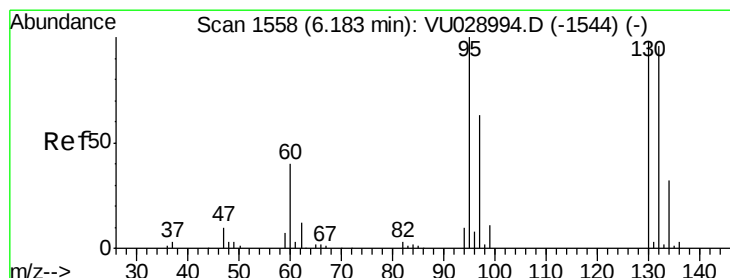
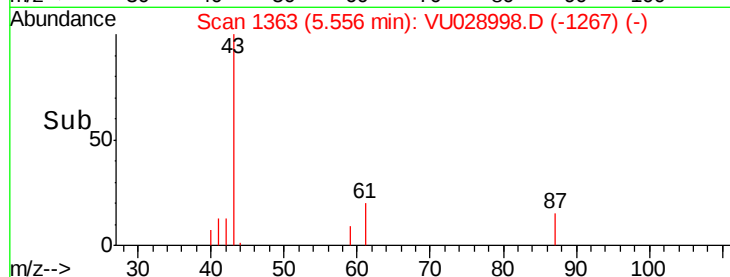
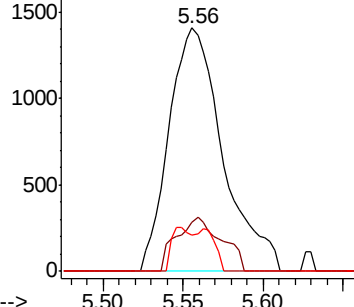
87 6.7 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1363) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1363) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1363) (-)



#44

Trichloroethene

Concen: 1.111 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028998.D

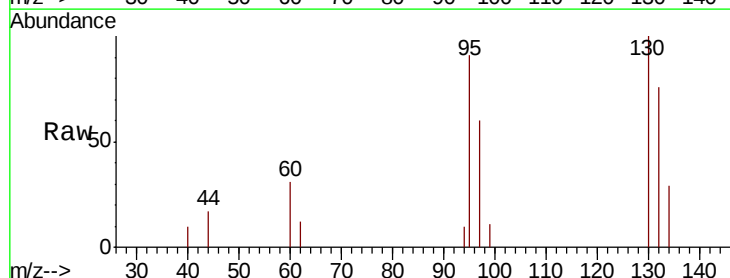
Acq: 03 Jan 2019 15:30

Tgt Ion: 130 Resp: 1841

Ion Ratio Lower Upper

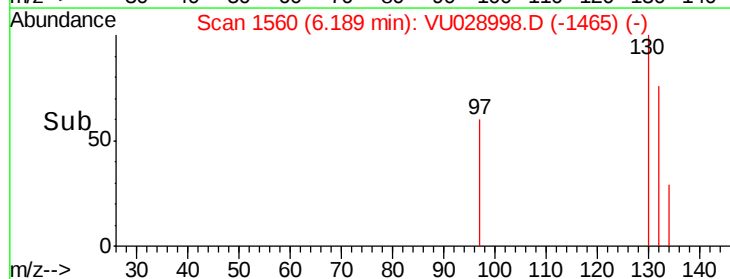
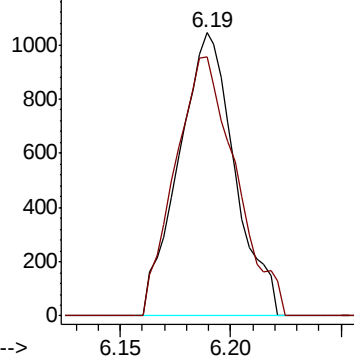
130 100

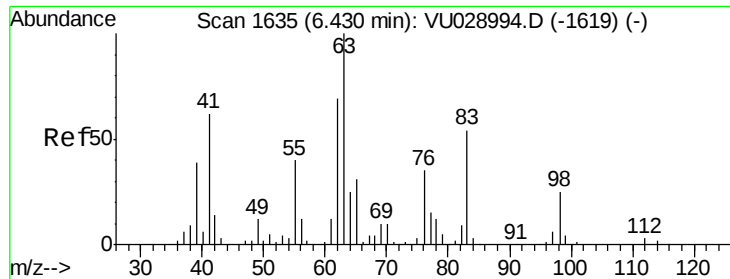
95 91.4 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1558) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1558) (-)





#45

1,2-Dichloropropane

Concen: 1.008 ug/l

RT: 6.44 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

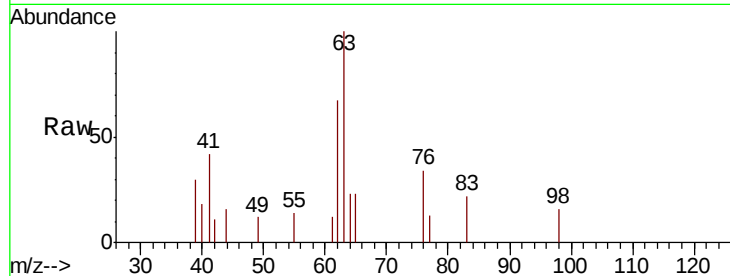
VSTDIC001

Tgt Ion: 63 Resp: 1780

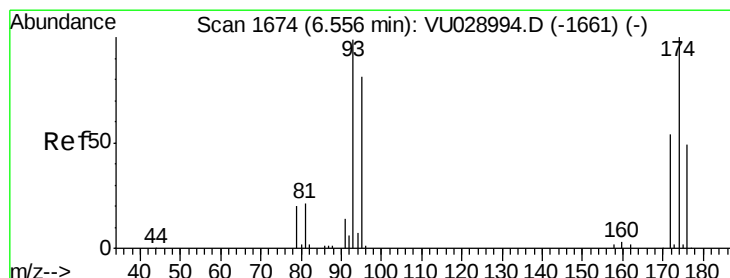
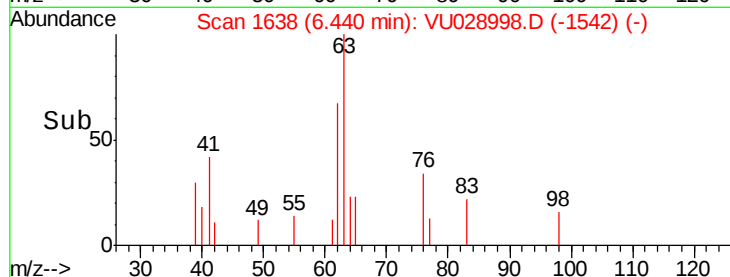
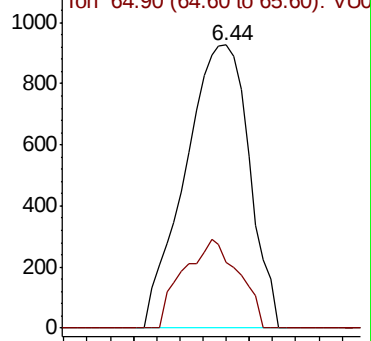
Ion Ratio Lower Upper

63 100

65 23.3 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1542) (-)



#46

Dibromomethane

Concen: 1.007 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

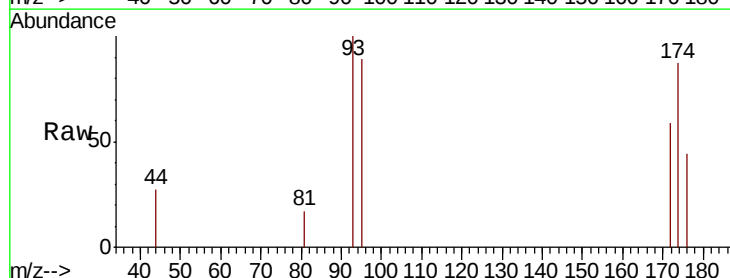
Tgt Ion: 93 Resp: 1137

Ion Ratio Lower Upper

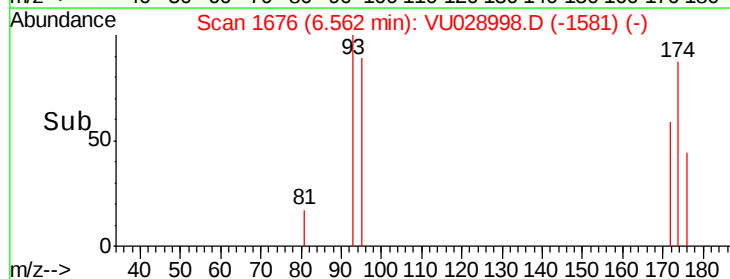
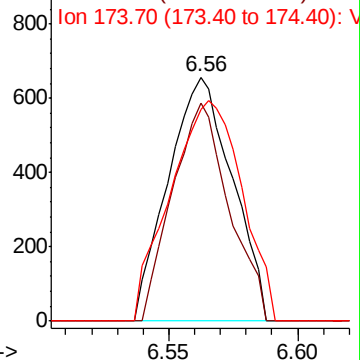
93 100

95 79.2 67.2 100.8

174 101.1 82.6 123.8



Abundance Ion 92.80 (92.50 to 93.50): VU028998.D (-1581) (-)

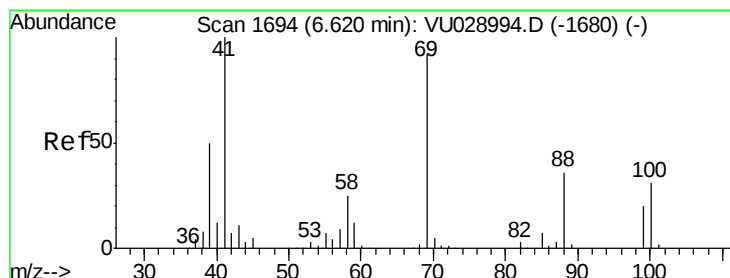
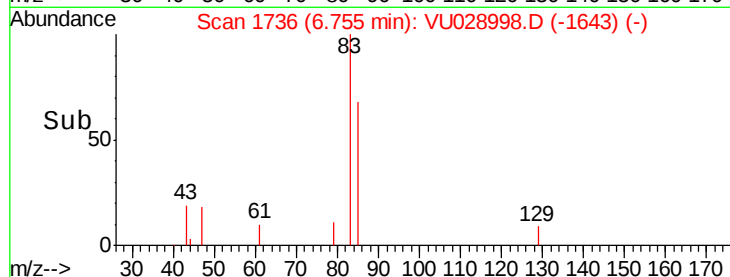
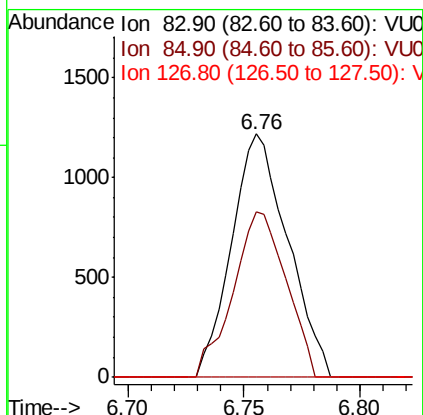
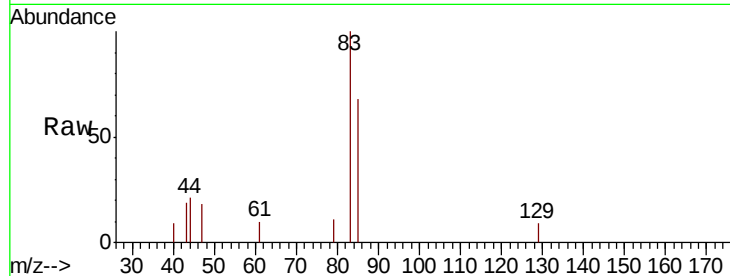




#47
 Bromodichloromethane
 Concen: 0.986 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

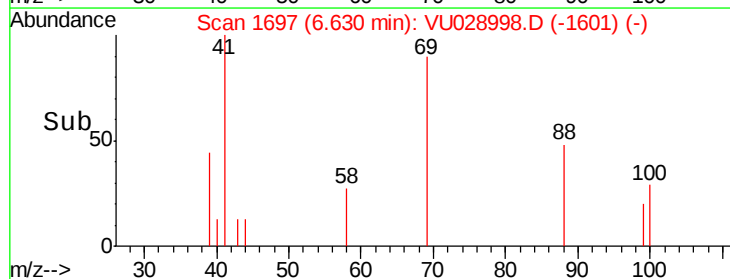
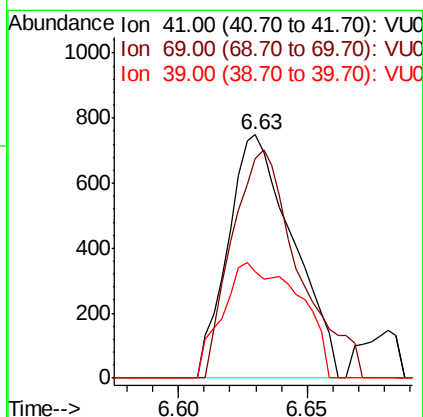
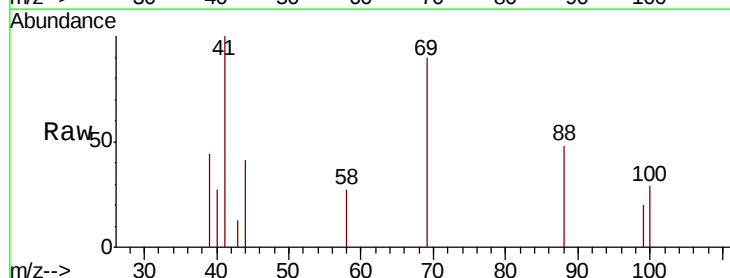
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

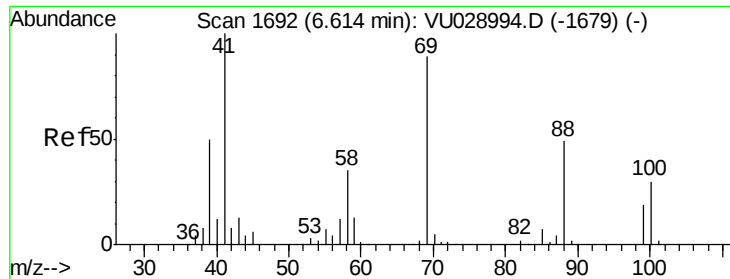
Tgt Ion: 83 Resp: 2049
 Ion Ratio Lower Upper
 83 100
 85 68.2 51.4 77.2
 127 0.0 7.0 10.4#



#48
 Methyl methacrylate
 Concen: 0.751 ug/l
 RT: 6.63 min Scan# 1697
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 41 Resp: 1320
 Ion Ratio Lower Upper
 41 100
 69 96.1 73.6 110.4
 39 55.6 39.6 59.4

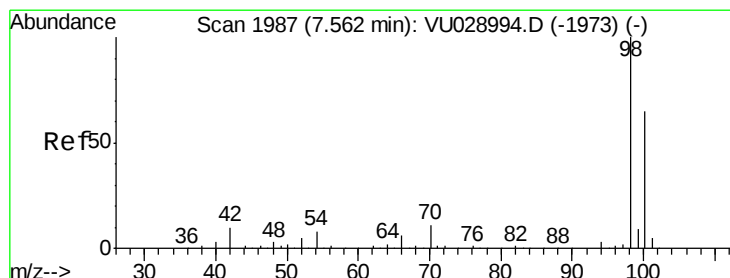
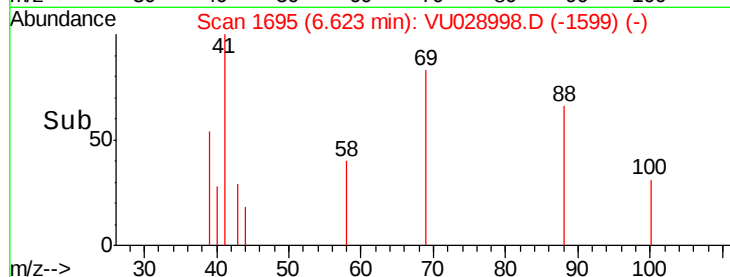
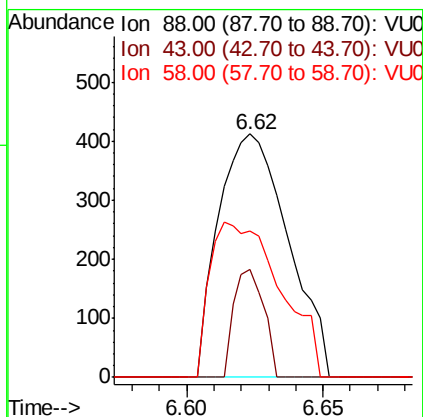
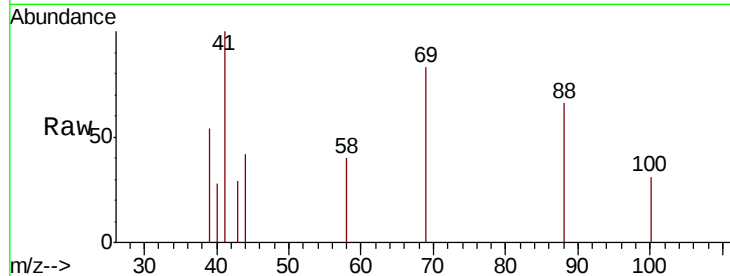




#49
1,4-Dioxane
Concen: 17.548 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

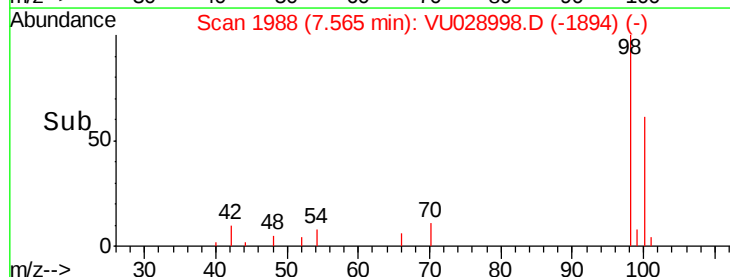
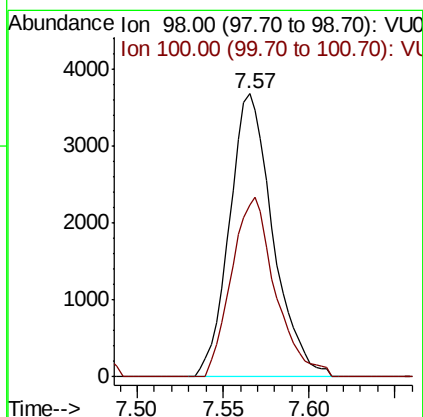
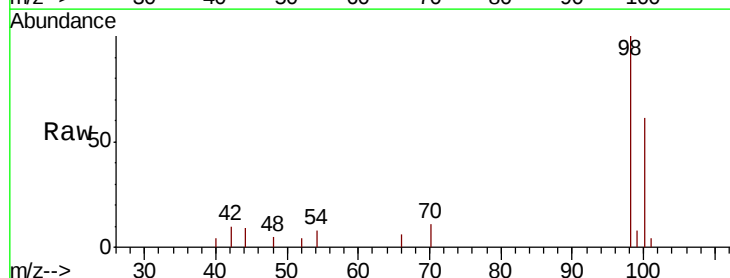
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 88 Resp: 731
Ion Ratio Lower Upper
88 100
43 19.2 23.0 34.4#
58 64.4 57.9 86.9



#50
Toluene-d8
Concen: 1.179 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 98 Resp: 6472
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 4.600 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

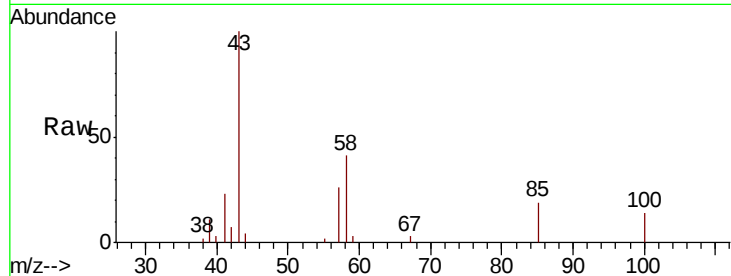
VSTDIC001

Tgt Ion: 43 Resp: 11301

Ion Ratio Lower Upper

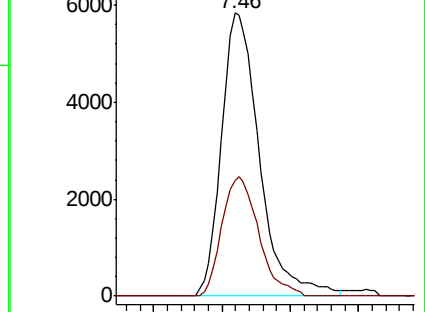
43 100

58 40.9 33.9 50.9

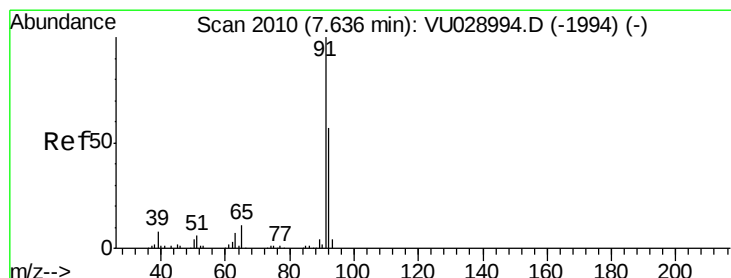
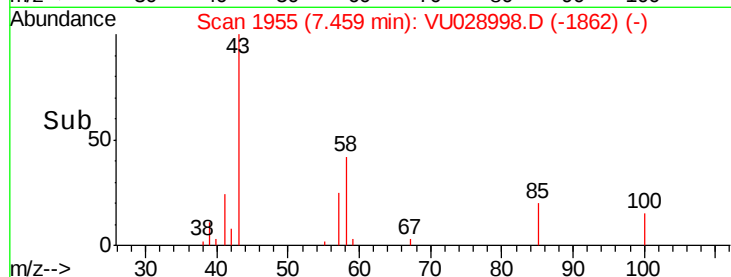


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)



Time-->



#52

Toluene

Concen: 0.985 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028998.D

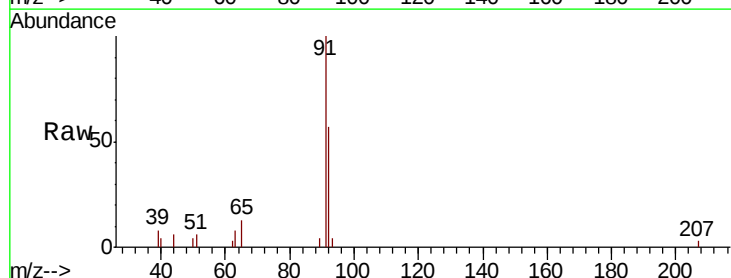
Acq: 03 Jan 2019 15:30

Tgt Ion: 92 Resp: 4011

Ion Ratio Lower Upper

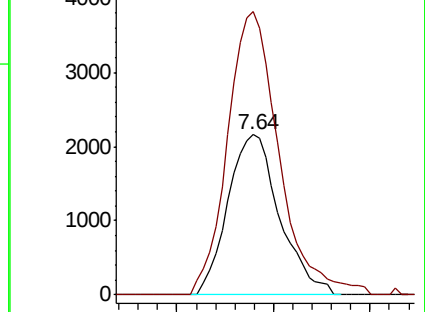
92 100

91 176.0 139.8 209.8

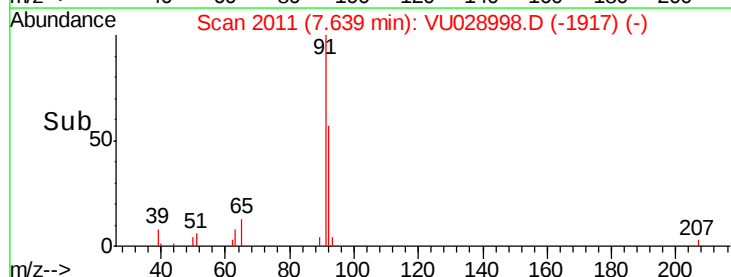


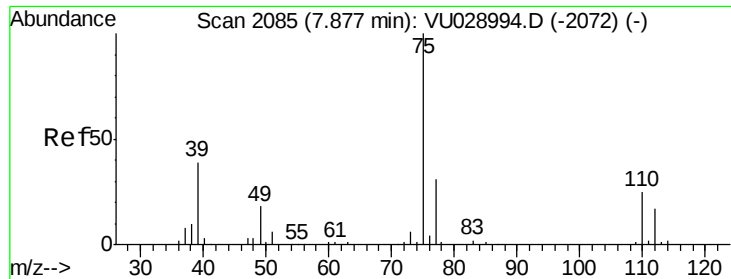
Abundance Ion 92.00 (91.70 to 92.70): VU028994.D (-1994) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-1994) (-)



Time-->





#53

t-1,3-Dichloropropene

Concen: 1.007 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampled :

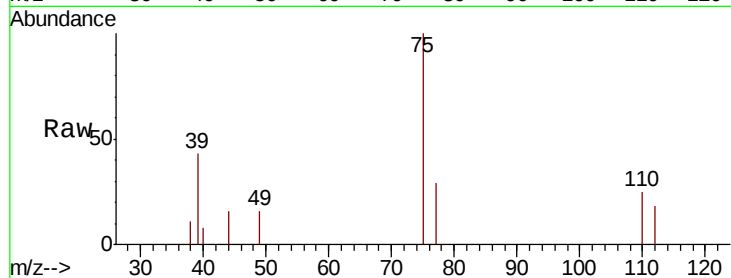
VSTDIC001

Tgt Ion: 75 Resp: 2514

Ion Ratio Lower Upper

75 100

77 29.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.89

1500

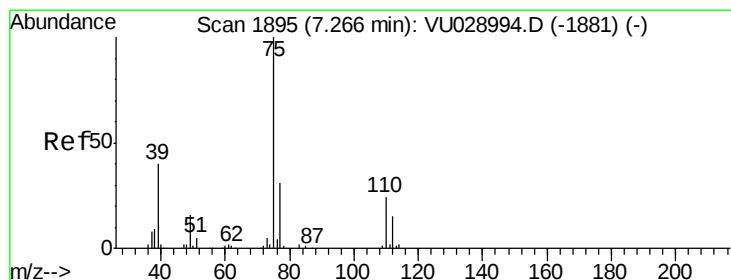
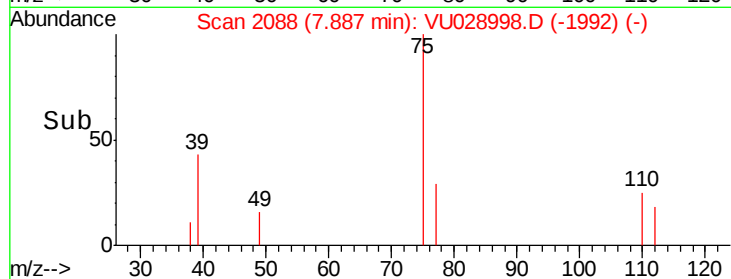
1000

500

0

7.85 7.90 7.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.957 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

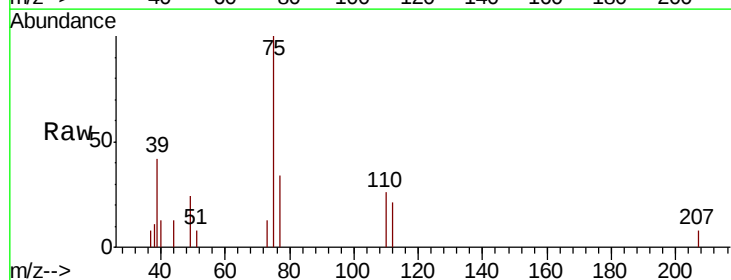
Tgt Ion: 75 Resp: 2583

Ion Ratio Lower Upper

75 100

77 33.8 25.0 37.6

39 41.7 32.2 48.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

1500

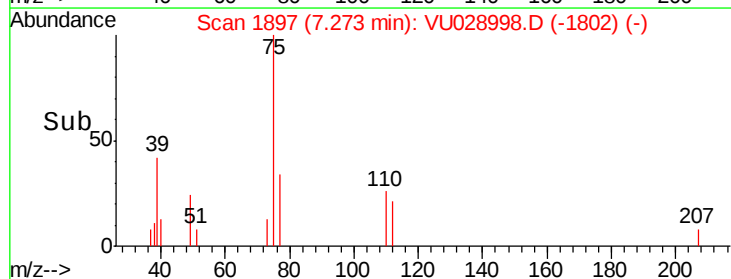
1000

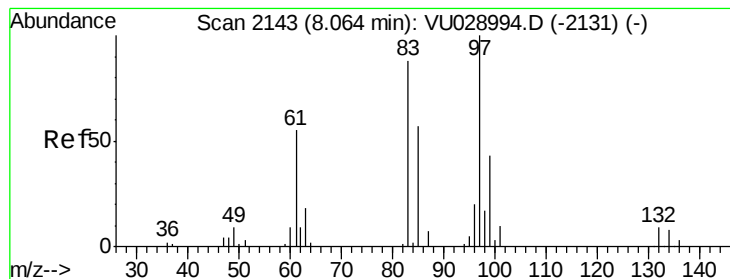
500

0

7.25 7.30

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.913 ug/l

RT: 8.07 min Scan# 2145

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 1489

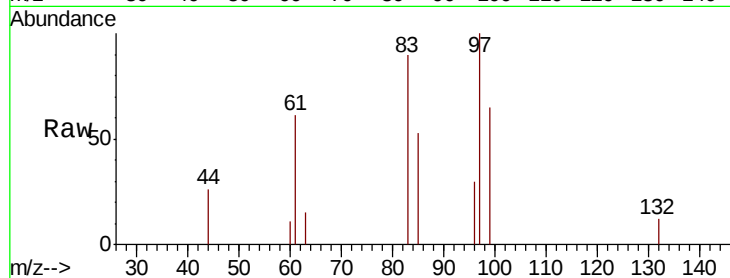
Ion Ratio Lower Upper

97 100

83 90.1 69.8 104.8

85 52.6 47.3 70.9

99 64.9 49.7 74.5

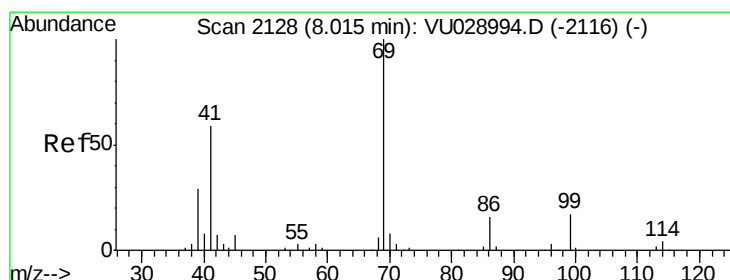
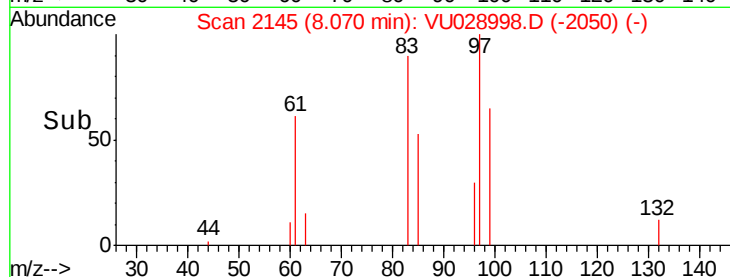
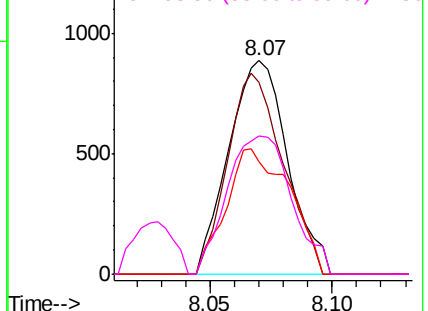


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 0.843 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

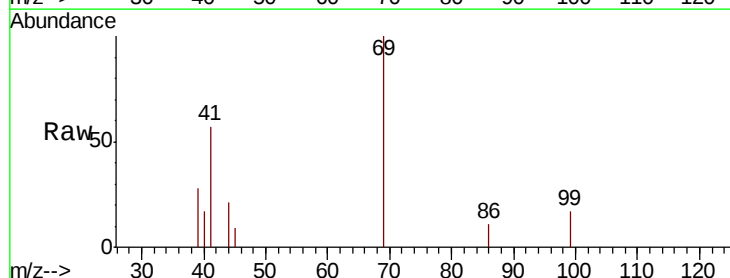
Tgt Ion: 69 Resp: 2117

Ion Ratio Lower Upper

69 100

41 65.1 47.5 71.3

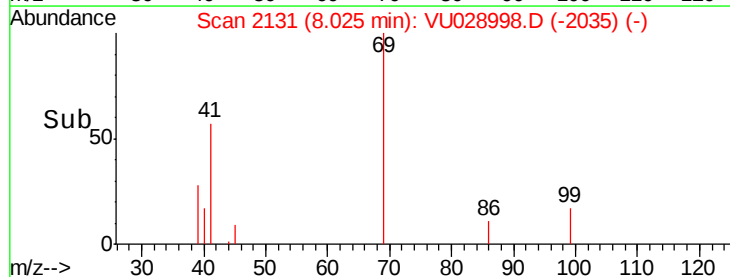
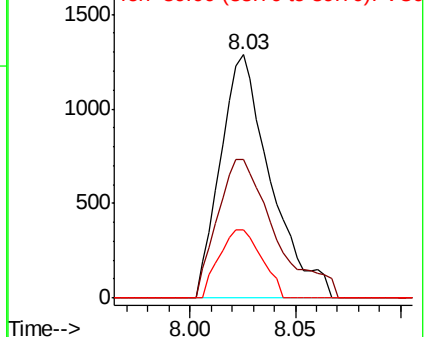
39 23.7 22.5 33.7

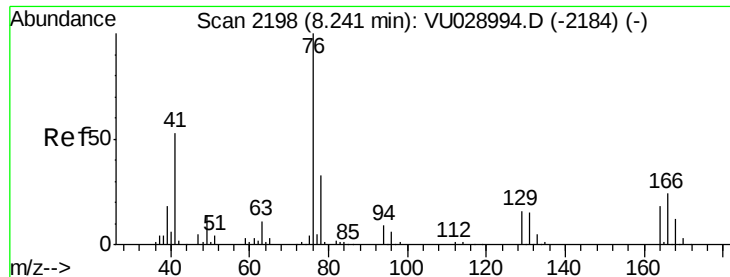


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

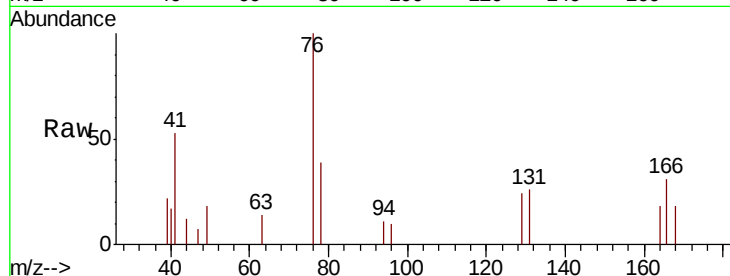




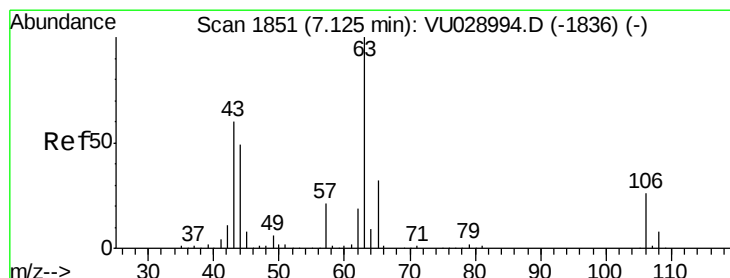
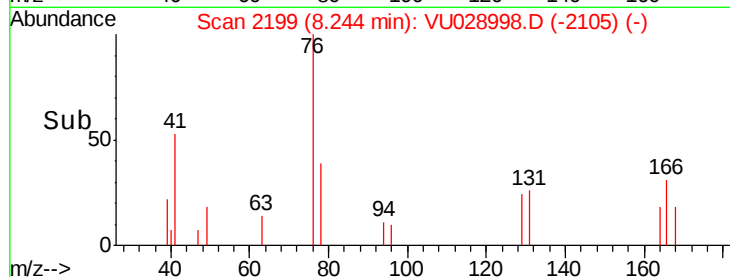
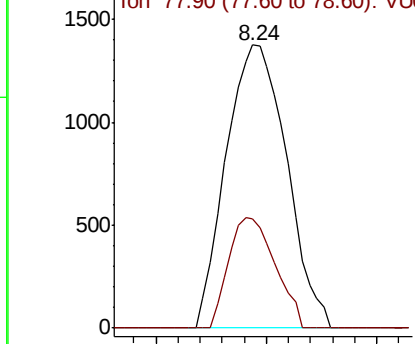
#57
 1,3-Dichloropropane
 Concen: 0.938 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 76 Resp: 2617
 Ion Ratio Lower Upper
 76 100
 78 30.1 26.0 39.0

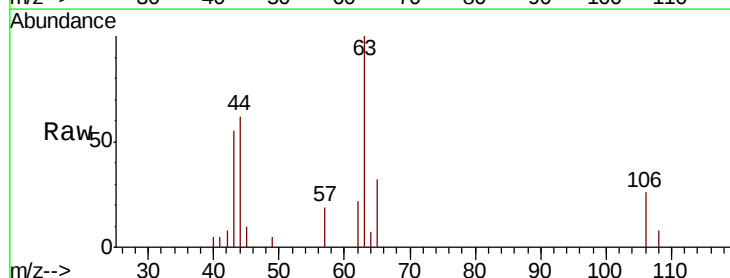


Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

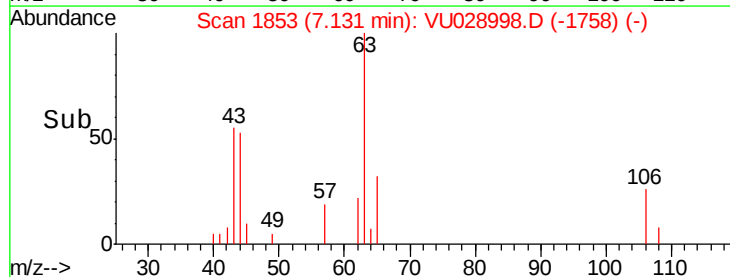
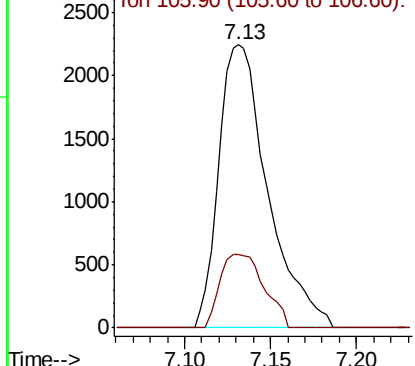


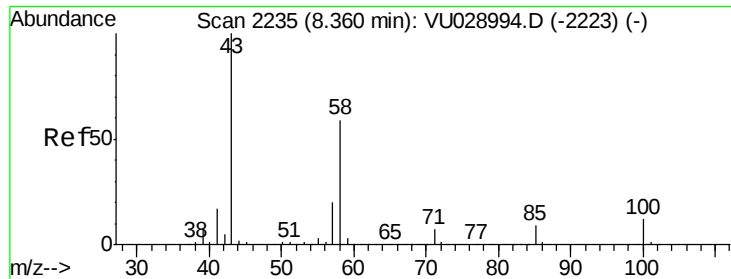
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.027 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 63 Resp: 4450
 Ion Ratio Lower Upper
 63 100
 106 23.5 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V

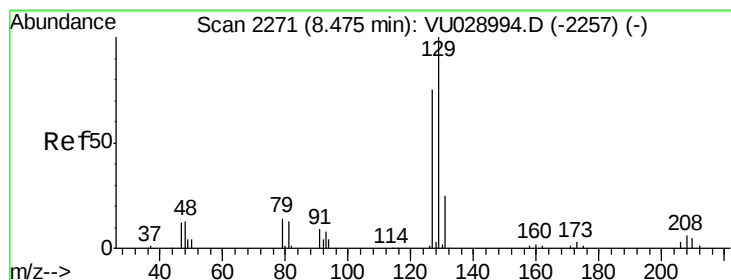
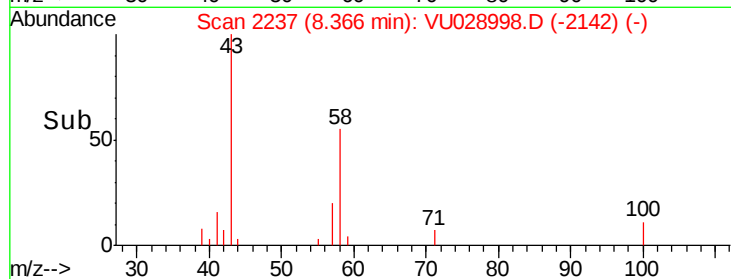
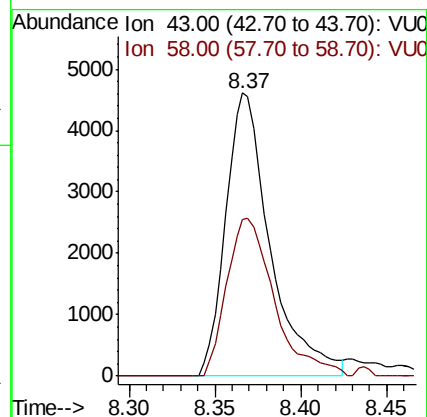
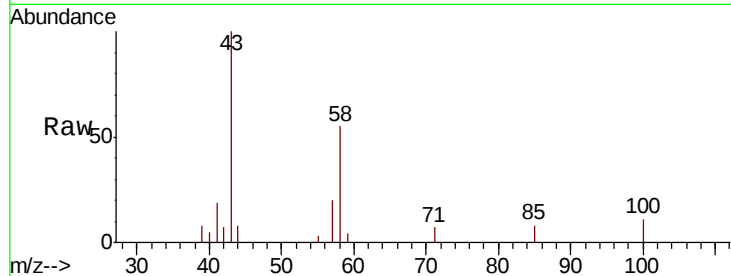




#59
 2-Hexanone
 Concen: 4.332 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

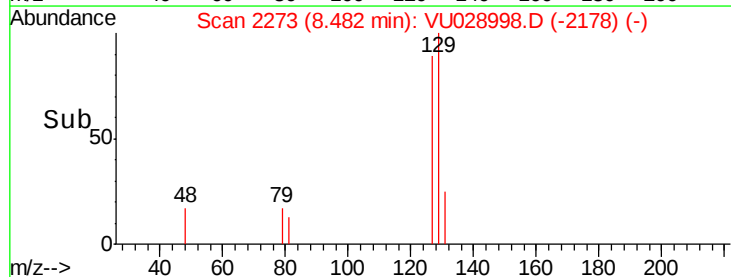
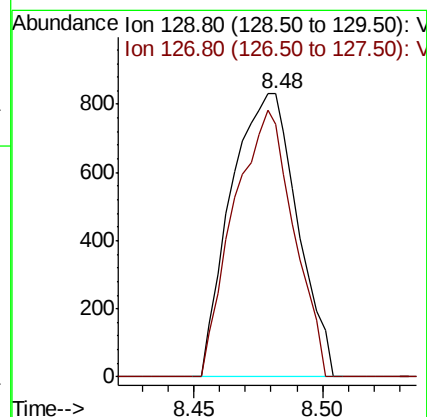
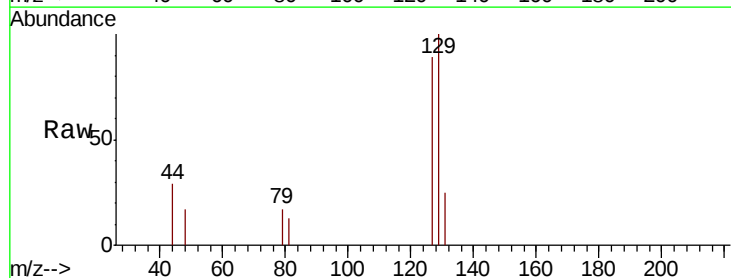
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

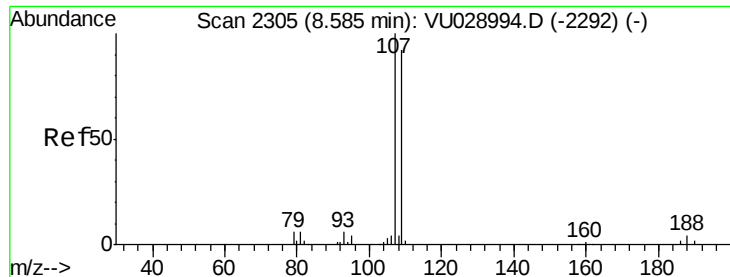
Tgt Ion: 43 Resp: 8355
 Ion Ratio Lower Upper
 43 100
 58 59.2 29.8 89.4



#60
 Dibromochloromethane
 Concen: 0.922 ug/l
 RT: 8.48 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 129 Resp: 1490
 Ion Ratio Lower Upper
 129 100
 127 85.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 0.977 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

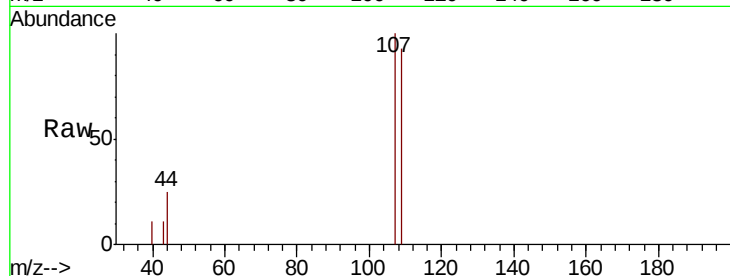
VSTDIC001

Tgt Ion: 107 Resp: 1728

Ion Ratio Lower Upper

107 100

109 91.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

1000

800

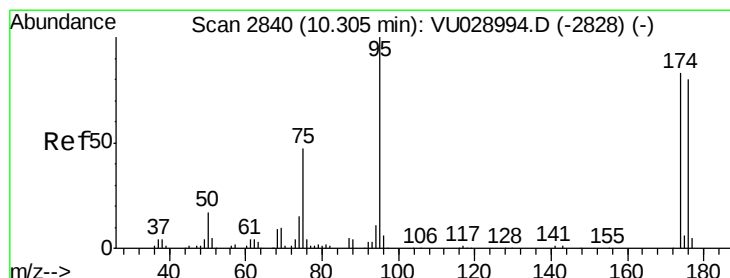
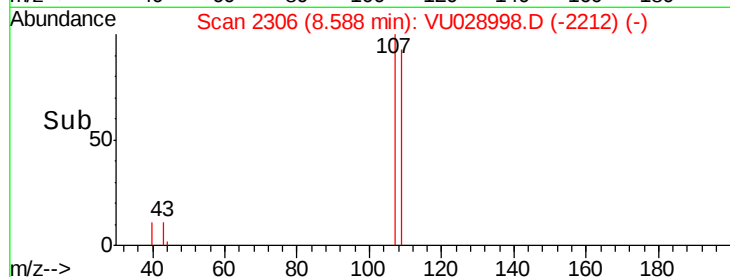
600

400

200

0

Time--> 8.55 8.60



#62

4-Bromofluorobenzene

Concen: 1.198 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

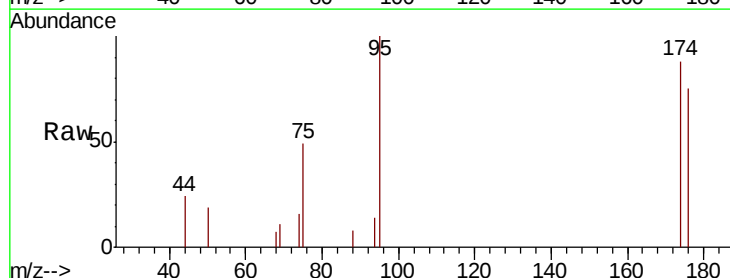
Tgt Ion: 95 Resp: 2364

Ion Ratio Lower Upper

95 100

174 87.0 0.0 170.6

176 84.4 0.0 165.0



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

2000

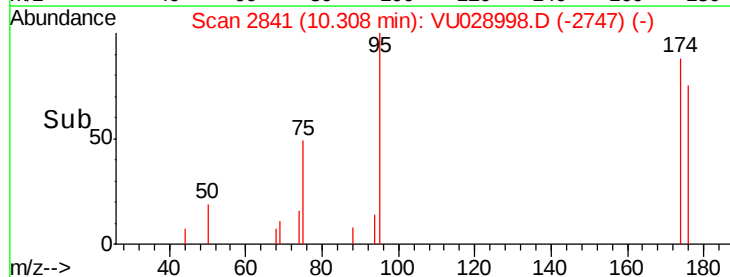
1500

1000

500

0

Time--> 10.25 10.30 10.35

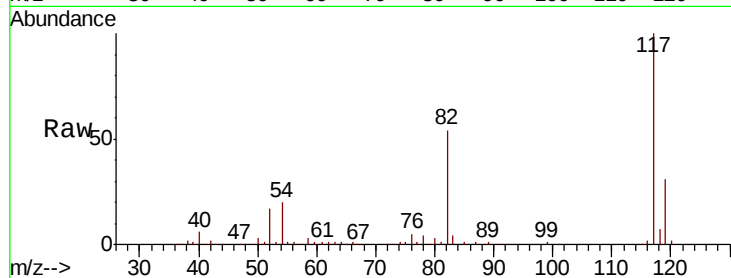




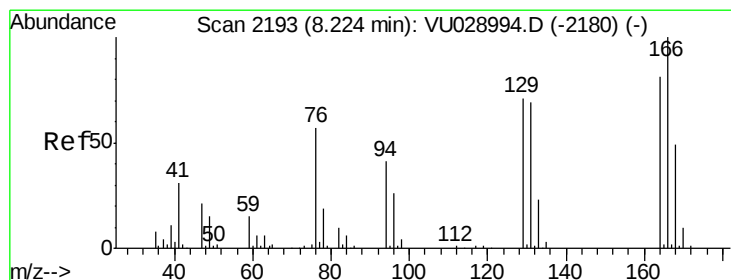
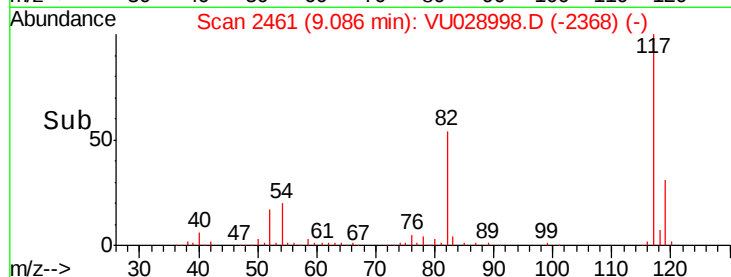
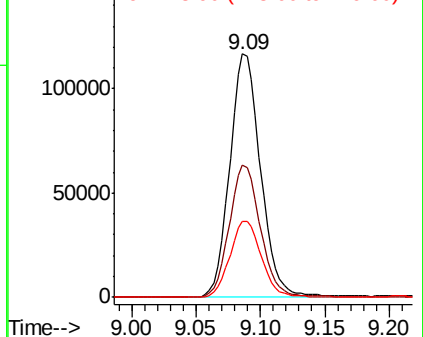
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 193552
Ion Ratio Lower Upper
117 100
82 54.3 43.9 65.9
119 31.2 26.0 39.0

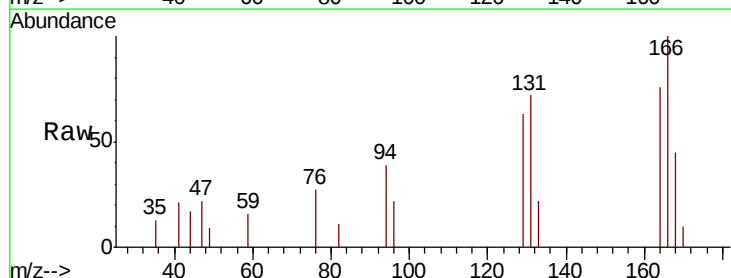


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

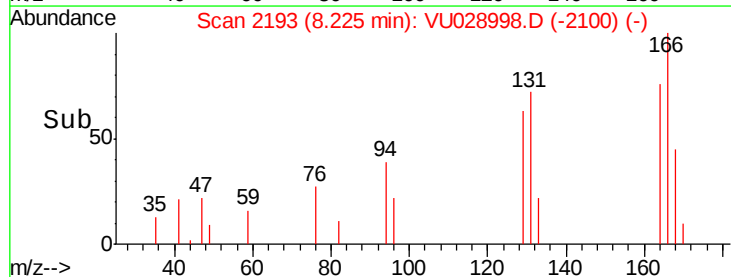
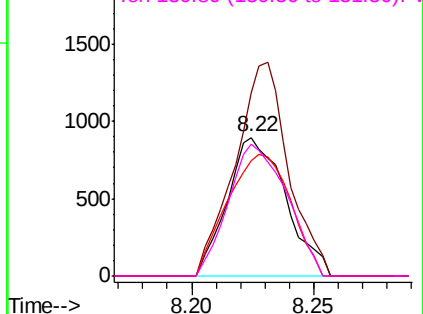


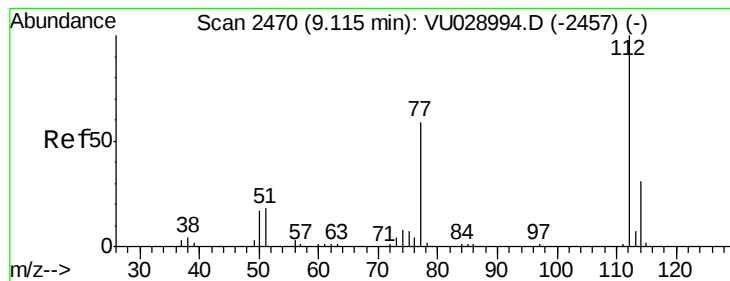
#64
Tetrachloroethene
Concen: 1.067 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion:164 Resp: 1488
Ion Ratio Lower Upper
164 100
166 131.6 99.4 149.0
129 83.2 70.5 105.7
131 94.7 69.0 103.6



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





#65

Chlorobenzene

Concen: 1.082 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

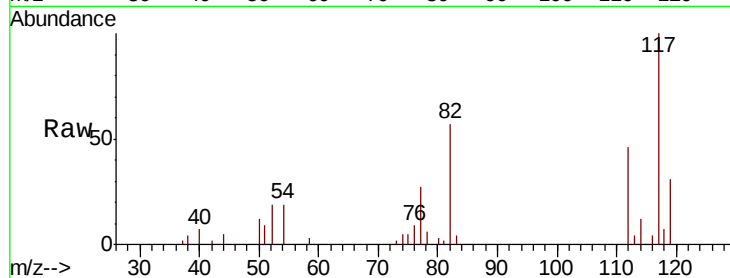
VSTDIC001

Tgt Ion:112 Resp: 4694

Ion Ratio Lower Upper

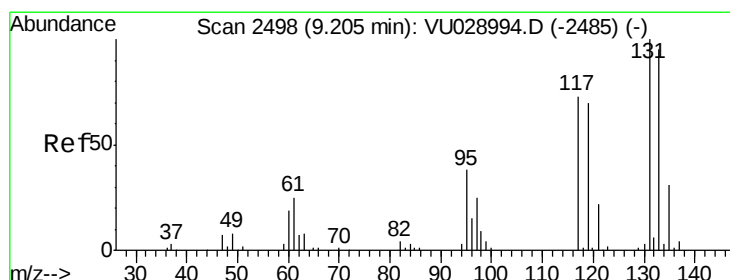
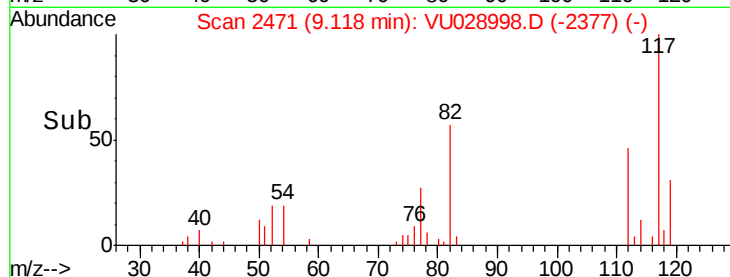
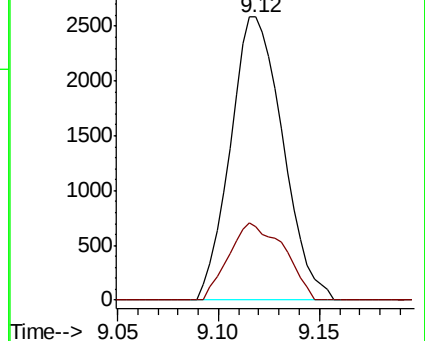
112 100

114 26.0 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: 0.959 ug/l

RT: 9.21 min Scan# 2500

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

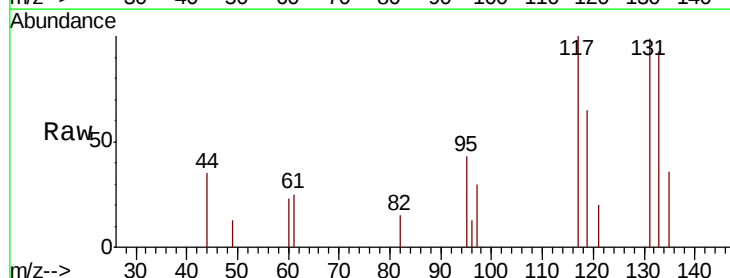
Tgt Ion:131 Resp: 1350

Ion Ratio Lower Upper

131 100

133 100.9 48.2 144.6

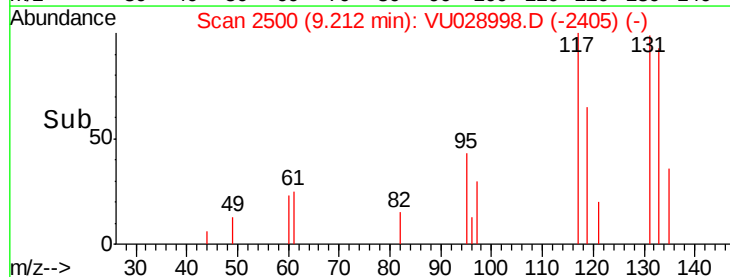
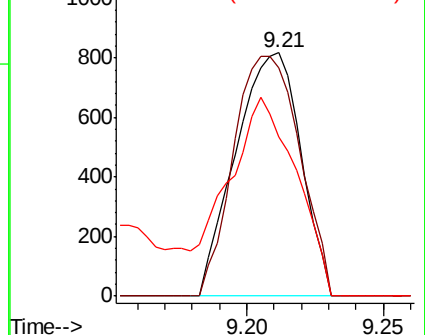
119 0.0 35.4 106.3#

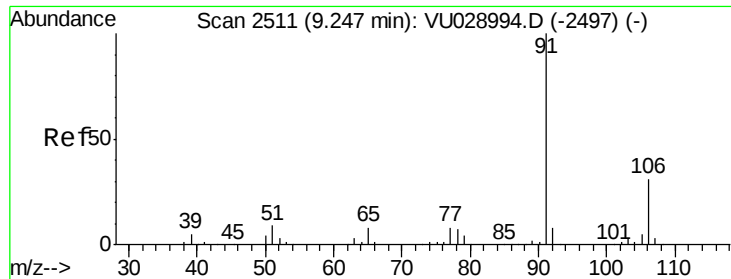


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

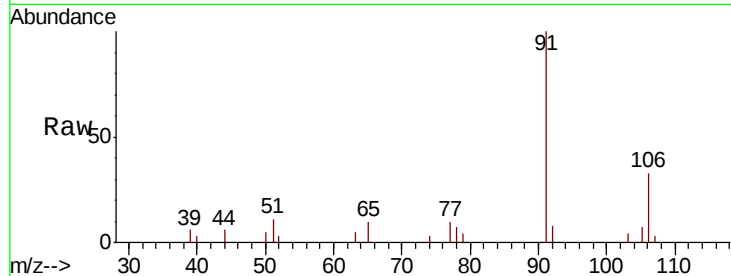




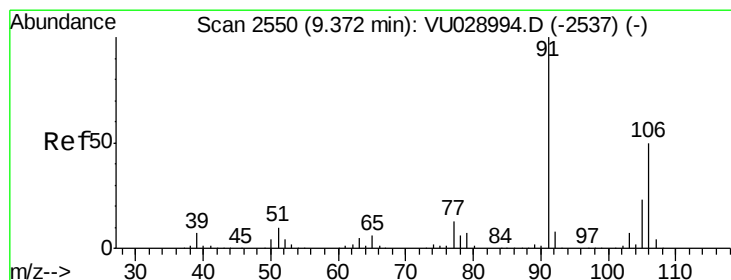
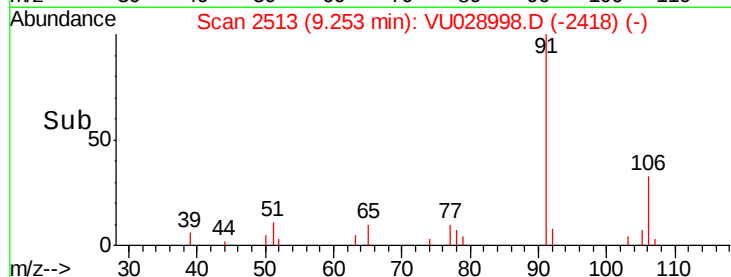
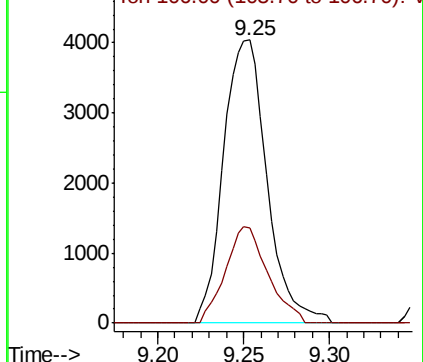
#67
Ethyl Benzene
Concen: 0.983 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.01 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 7117
Ion Ratio Lower Upper
91 100
106 33.5 25.0 37.4

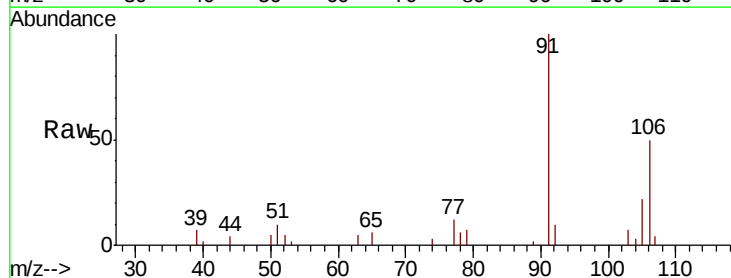


Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2497) (-)
Ion 106.00 (105.70 to 106.70): VU028998.D (-2418) (-)

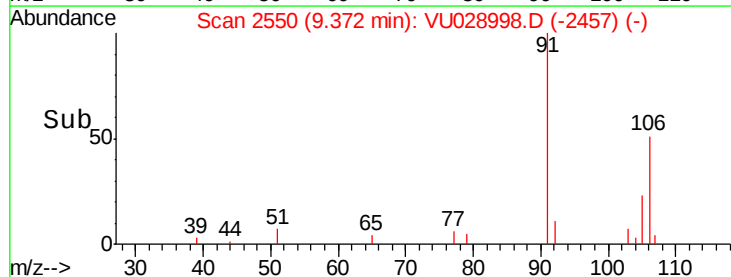
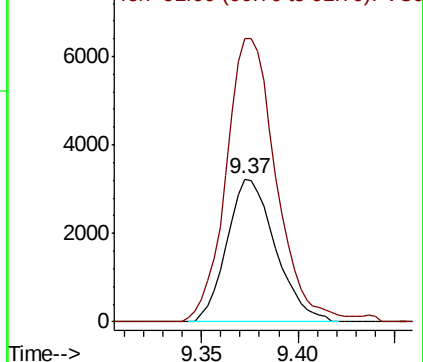


#68
m/p-Xylenes
Concen: 1.999 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion: 106 Resp: 5625
Ion Ratio Lower Upper
106 100
91 204.3 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU028998.D (-2418) (-)
Ion 91.00 (90.70 to 91.70): VU028994.D (-2537) (-)

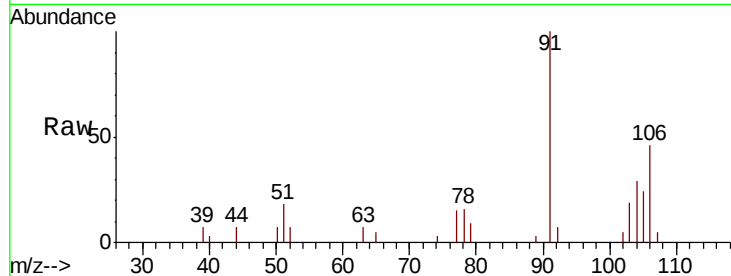




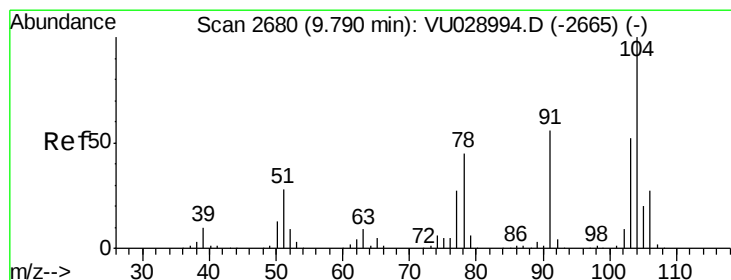
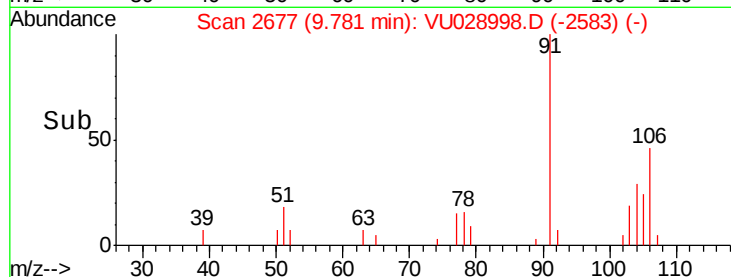
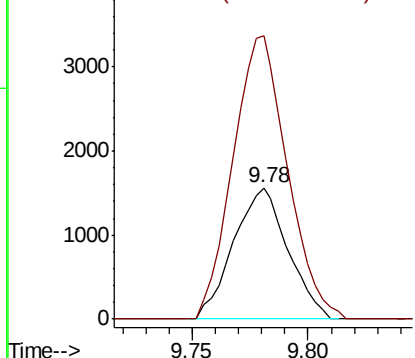
#69
o-Xylene
Concen: 0.937 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 2540
Ion Ratio Lower Upper
106 100
91 216.0 106.1 318.3

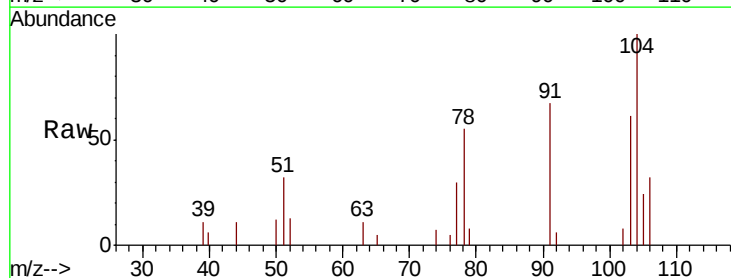


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

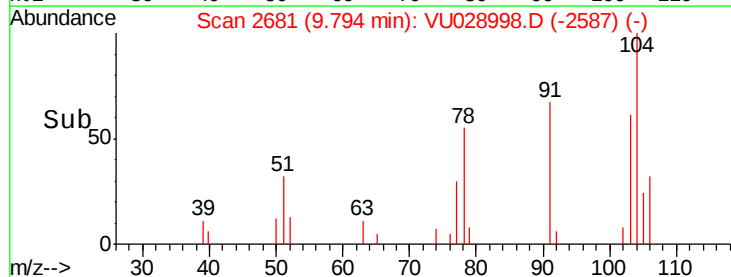
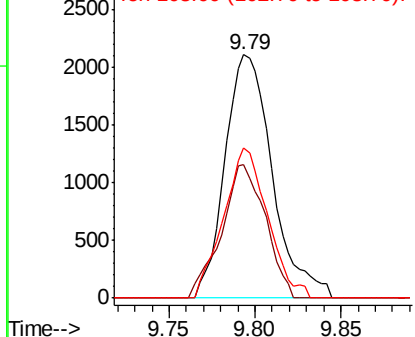


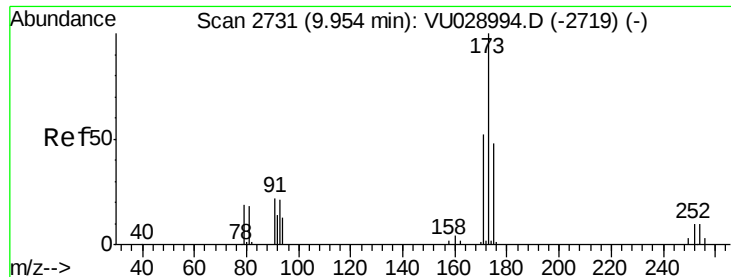
#70
Styrene
Concen: 0.909 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion:104 Resp: 4041
Ion Ratio Lower Upper
104 100
78 50.3 38.6 58.0
103 57.4 44.5 66.7



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: 0.856 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

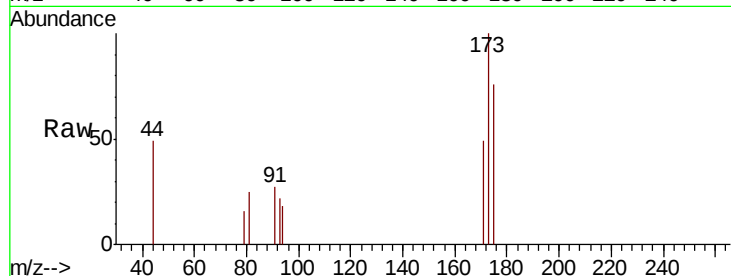
Tgt Ion:173 Resp: 1073

Ion Ratio Lower Upper

173 100

175 59.7 23.8 71.2

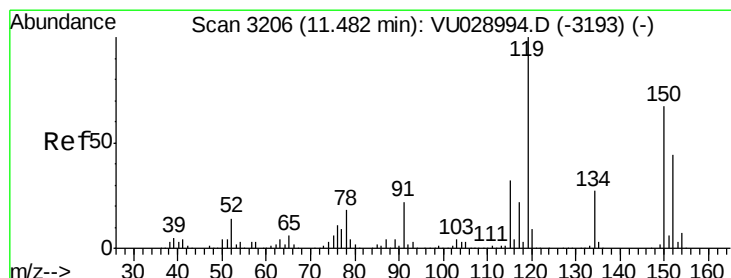
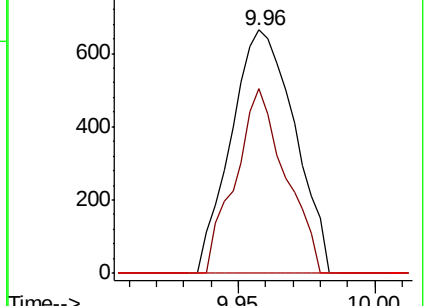
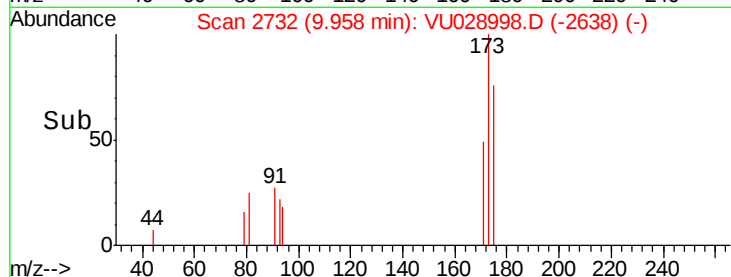
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

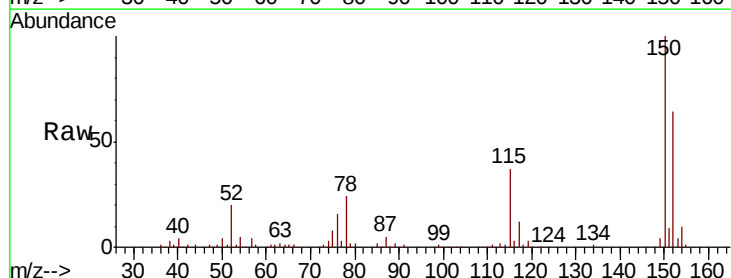
Tgt Ion:152 Resp: 85664

Ion Ratio Lower Upper

152 100

115 57.4 40.1 120.3

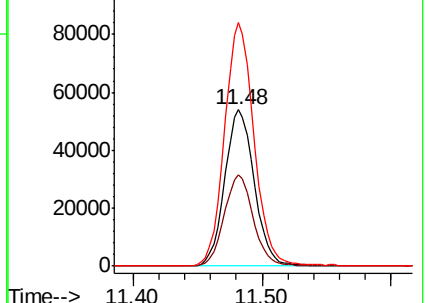
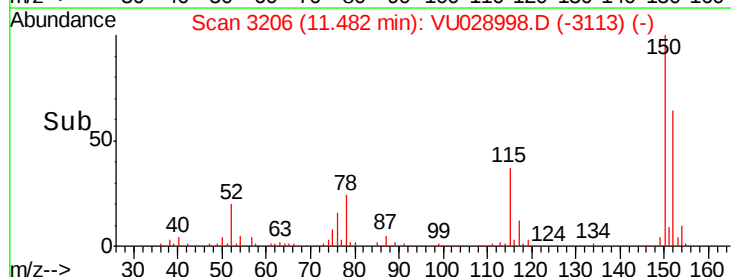
150 155.4 0.0 345.2

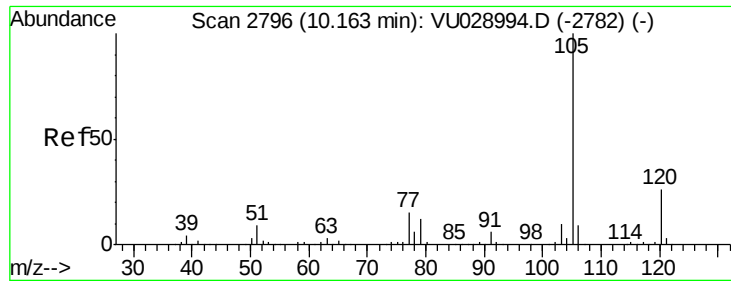


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.084 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

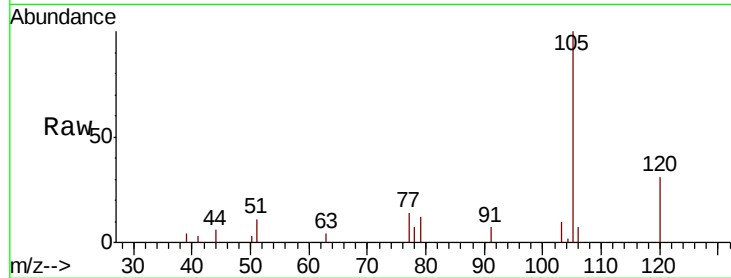
VSTDIC001

Tgt Ion: 105 Resp: 6875

Ion Ratio Lower Upper

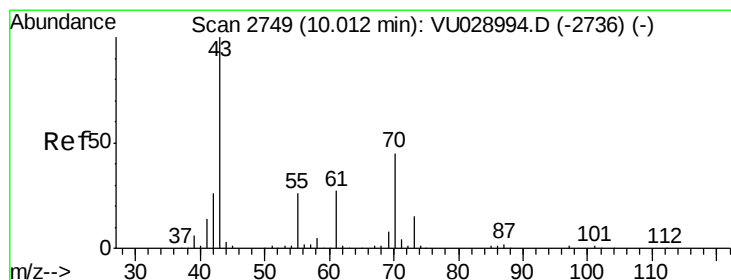
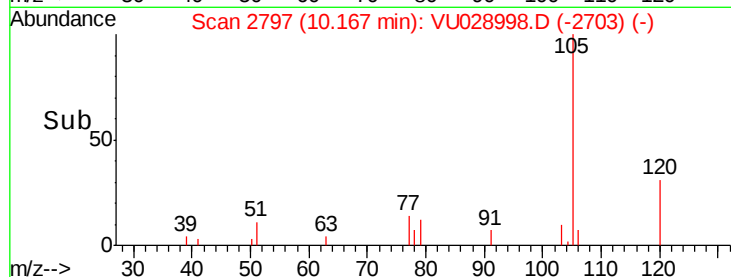
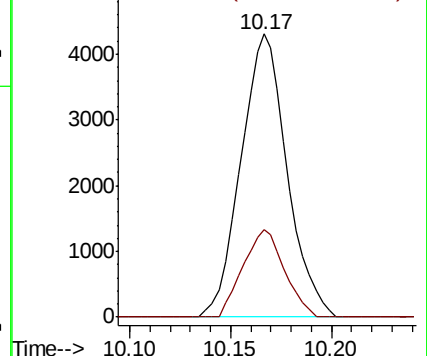
105 100

120 27.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.009 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Tgt Ion: 43 Resp: 2756

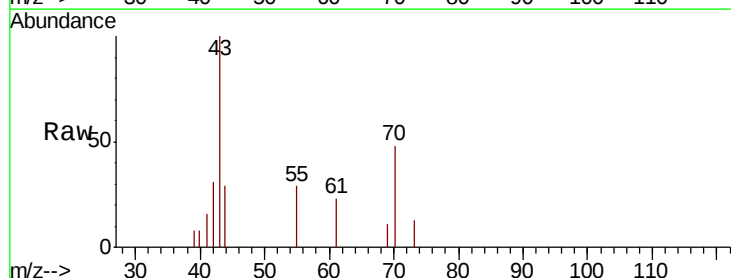
Ion Ratio Lower Upper

43 100

70 39.7 36.3 54.5

55 20.3 20.5 30.7#

61 23.6 21.8 32.8

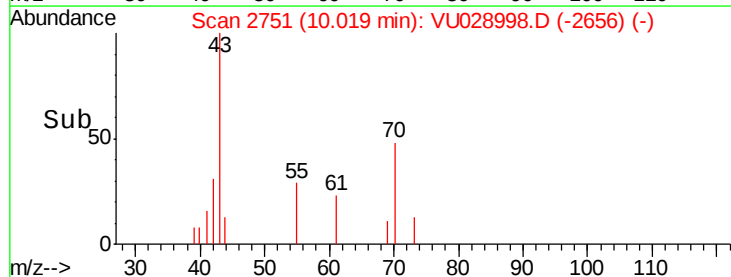
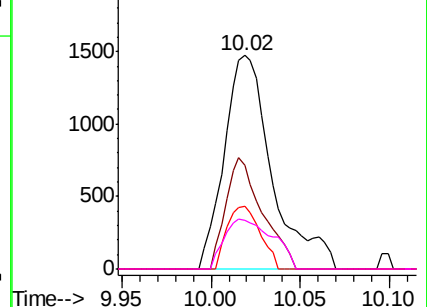


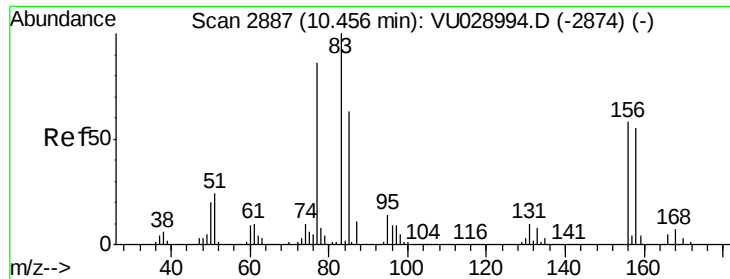
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.121 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

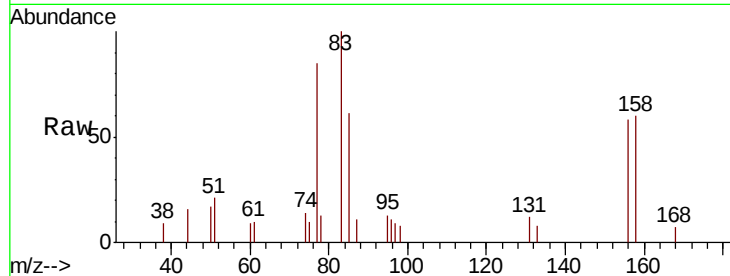
Tgt Ion: 83 Resp: 2848

Ion Ratio Lower Upper

83 100

131 7.1 4.7 14.1

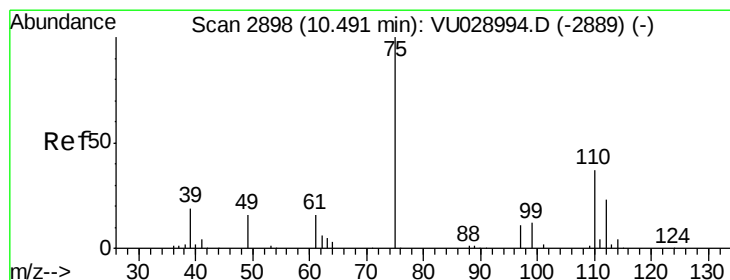
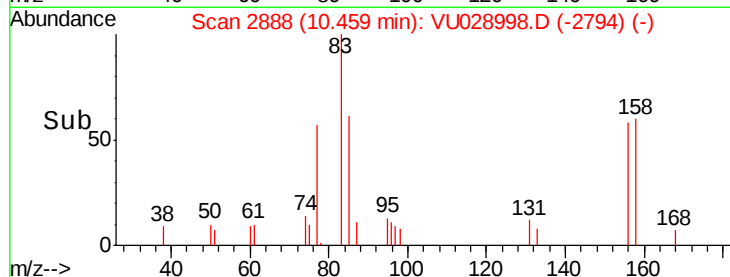
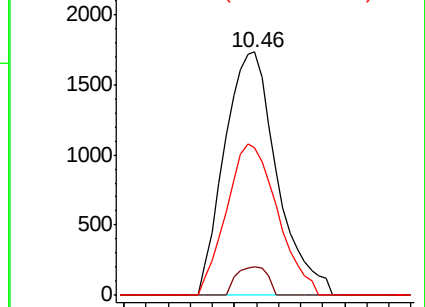
85 60.5 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 0.342 ug/l

RT: 10.22 min Scan# 2815

Delta R.T. -0.27 min

Lab File: VU028998.D

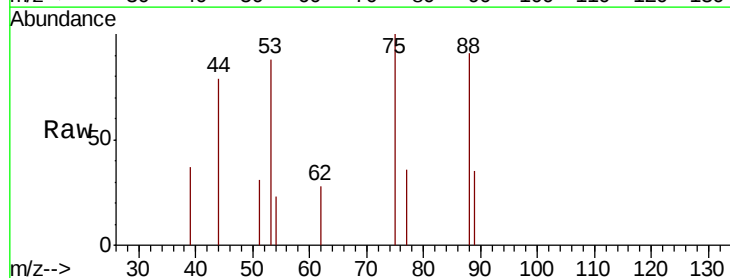
Acq: 03 Jan 2019 15:30

Tgt Ion: 75 Resp: 744

Ion Ratio Lower Upper

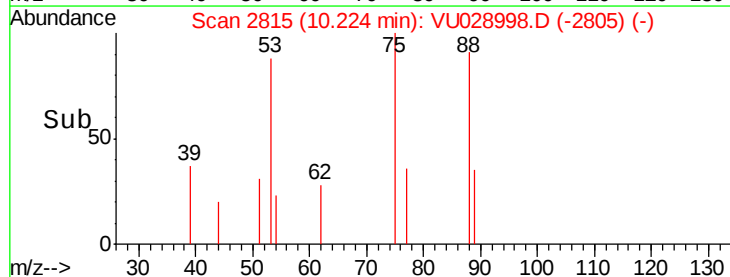
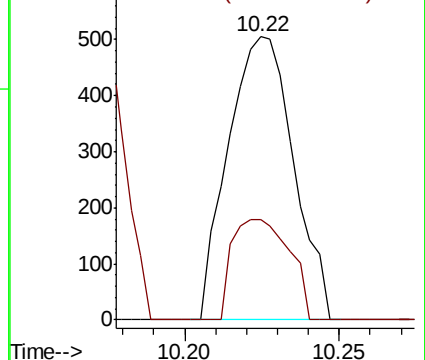
75 100

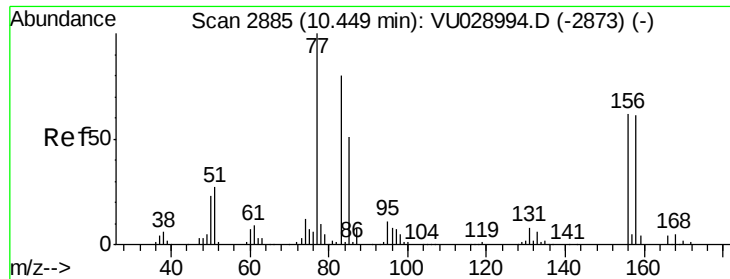
77 31.0 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 1.089 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

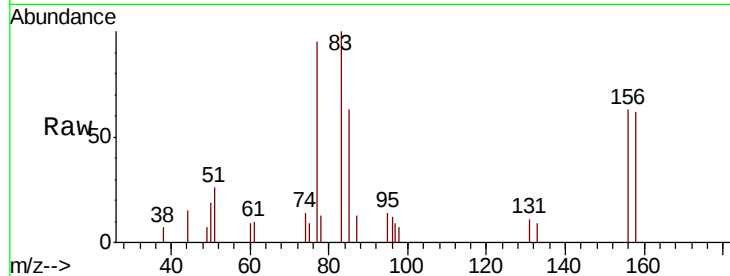
Tgt Ion:156 Resp: 1800

Ion Ratio Lower Upper

156 100

77 171.8 79.0 237.2

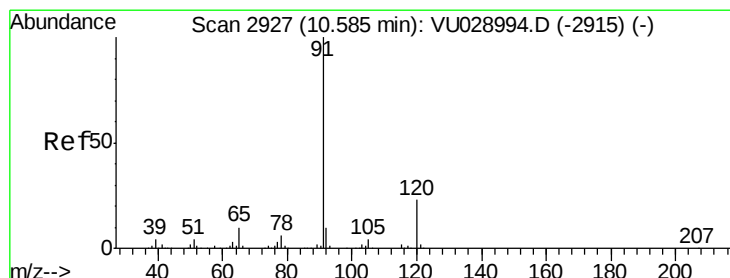
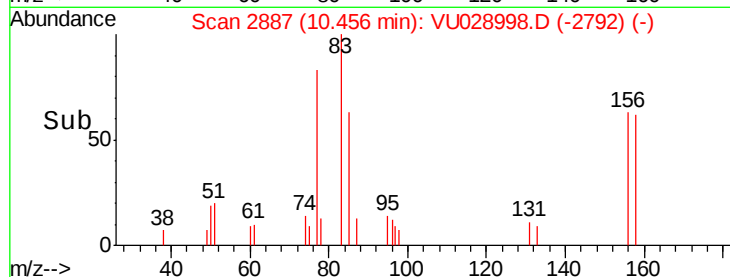
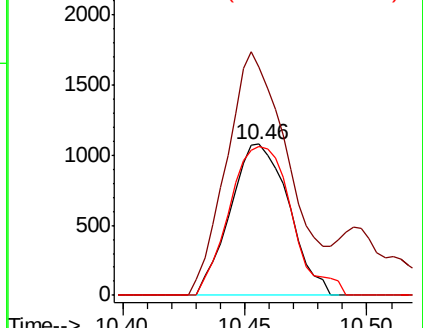
158 104.6 48.9 146.6



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: 1.055 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028998.D

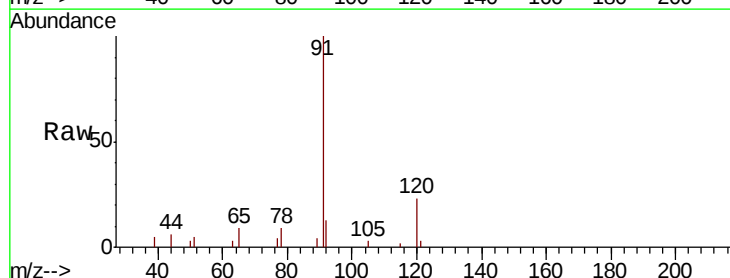
Acq: 03 Jan 2019 15:30

Tgt Ion: 91 Resp: 7883

Ion Ratio Lower Upper

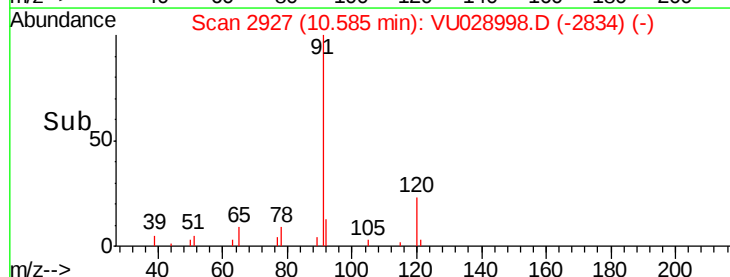
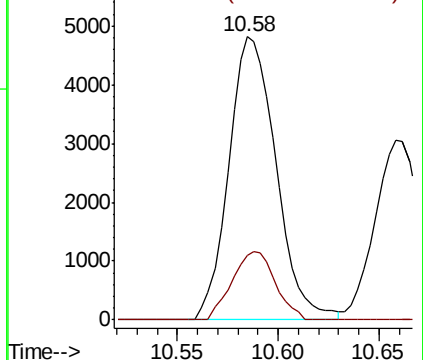
91 100

120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

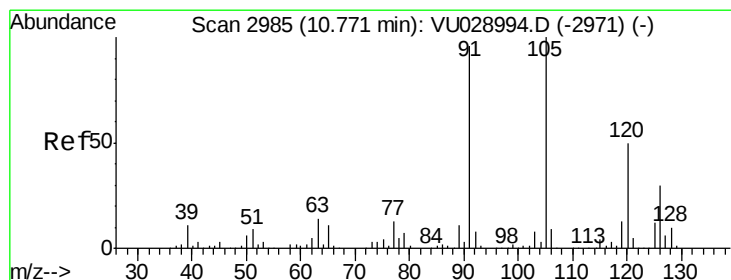
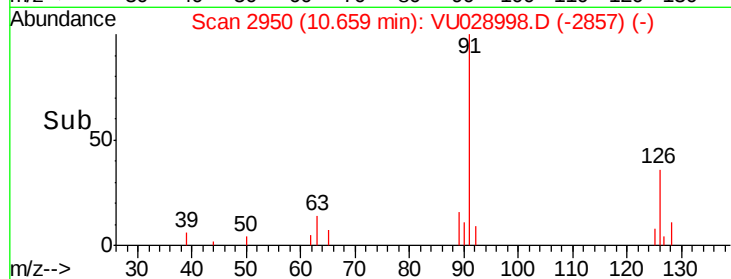
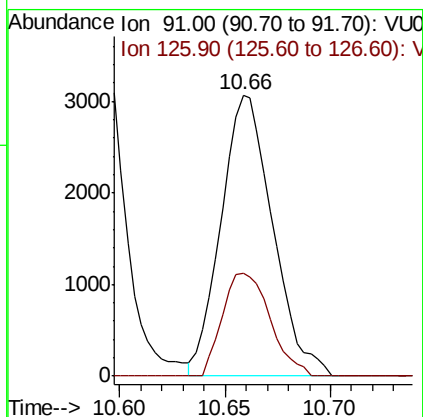
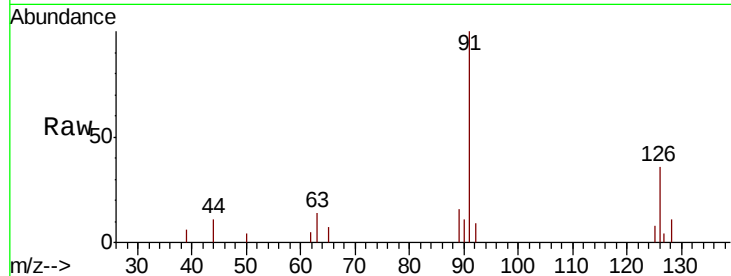




#79
 2-Chlorotoluene
 Concen: 1.150 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

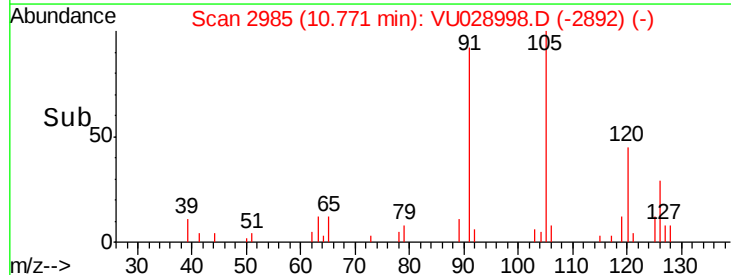
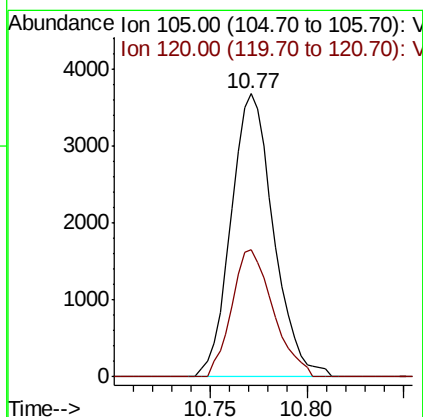
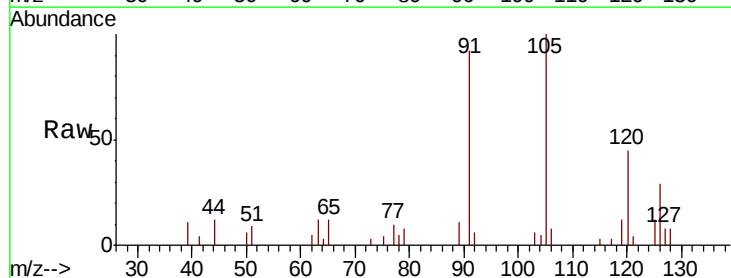
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

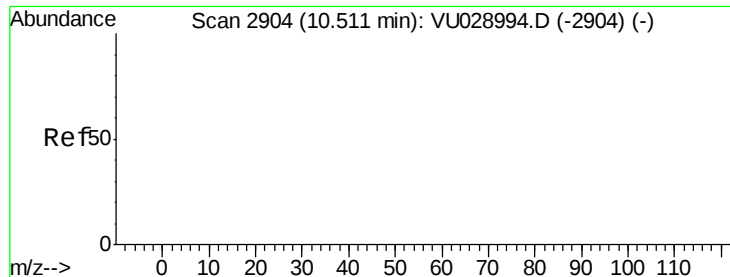
Tgt Ion: 91 Resp: 5213
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 1.062 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 105 Resp: 5623
 Ion Ratio Lower Upper
 105 100
 120 43.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.166 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

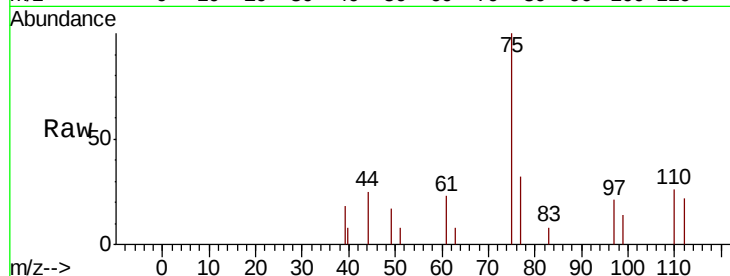
Tgt Ion: 75 Resp: 3281

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

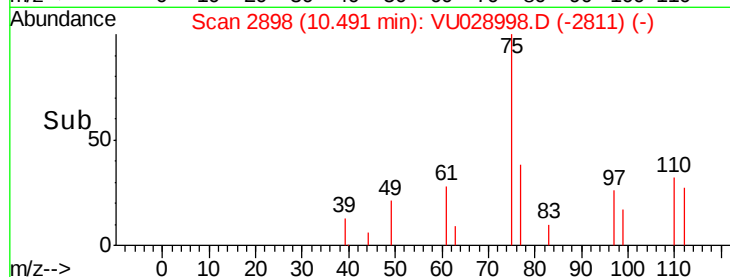
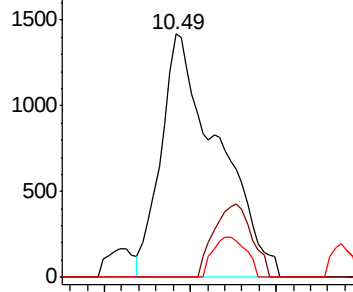
89 0.0 0.0 0.0



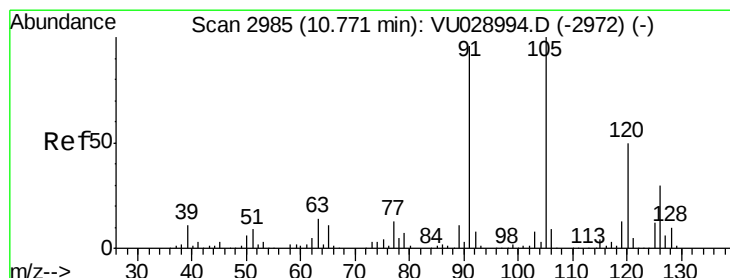
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



Time-->



#82

4-Chlorotoluene

Concen: 1.128 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028998.D

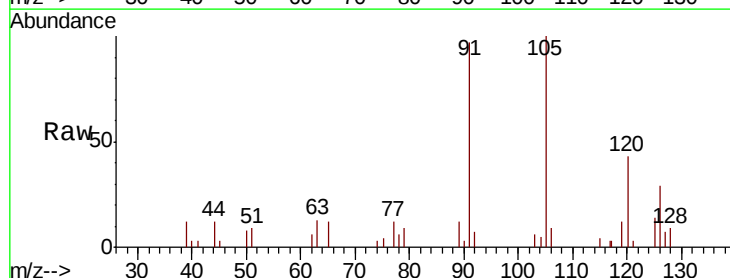
Acq: 03 Jan 2019 15:30

Tgt Ion: 91 Resp: 5862

Ion Ratio Lower Upper

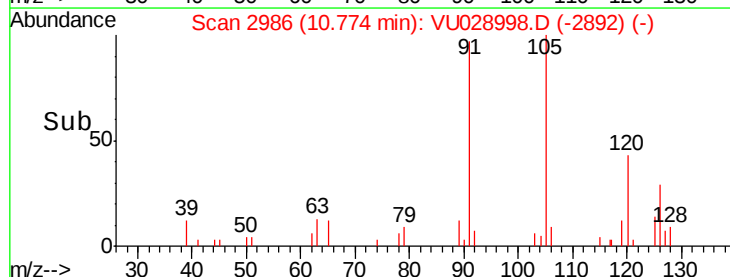
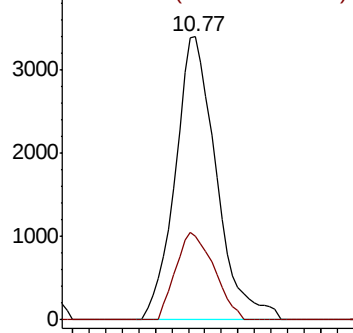
91 100

126 28.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



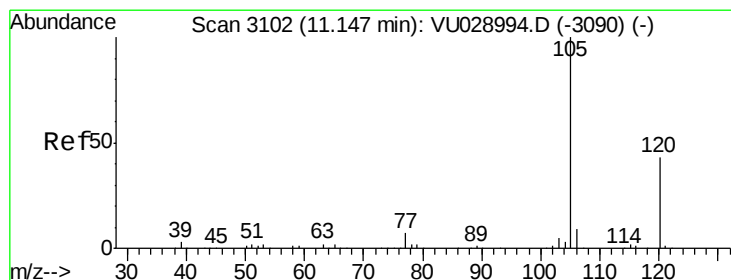
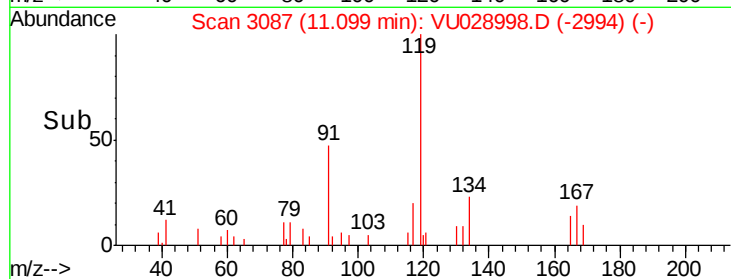
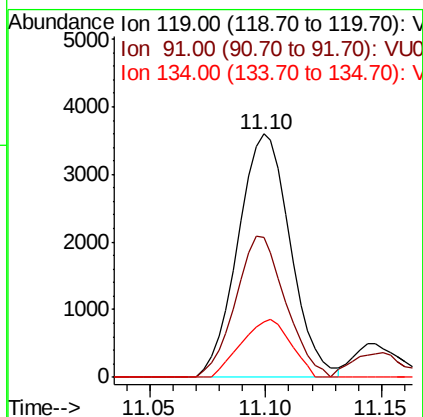
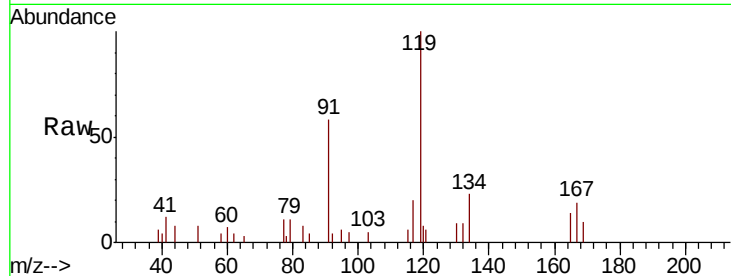
Time-->



#83
tert-Butylbenzene
Concen: 1.083 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

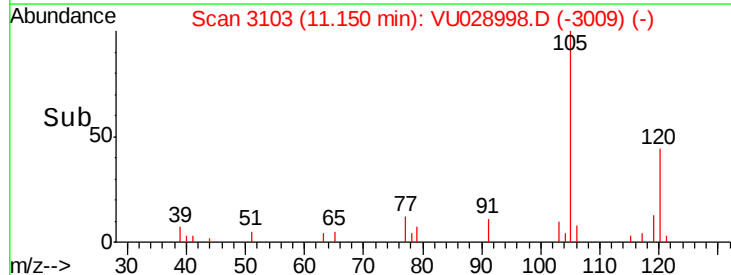
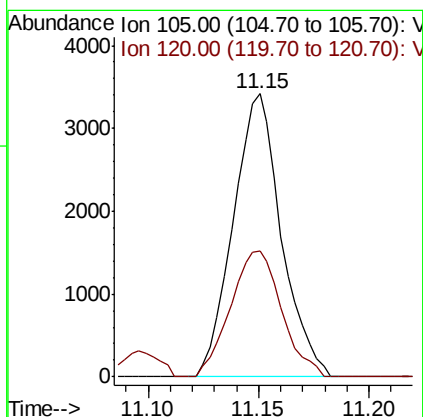
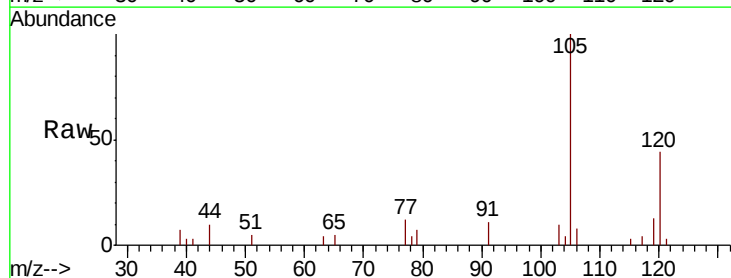
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

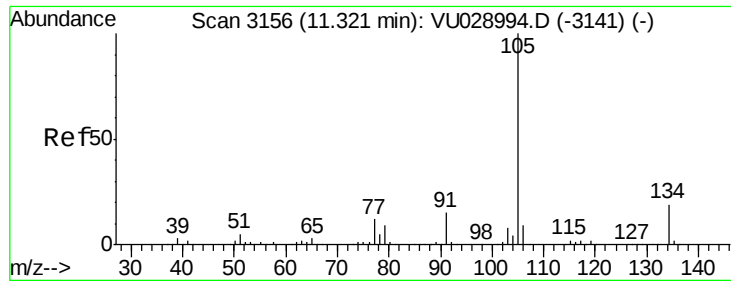
Tgt Ion:119 Resp: 5650
Ion Ratio Lower Upper
119 100
91 55.4 28.2 84.6
134 22.4 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 0.976 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion:105 Resp: 5159
Ion Ratio Lower Upper
105 100
120 47.4 23.1 69.3

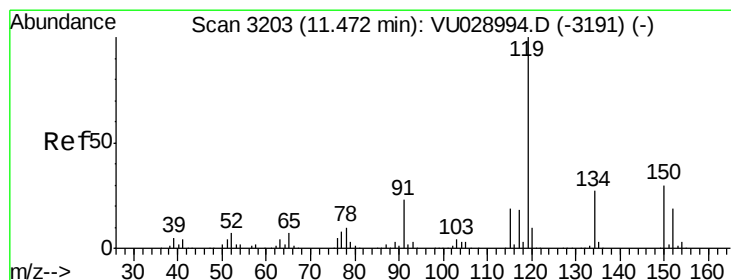
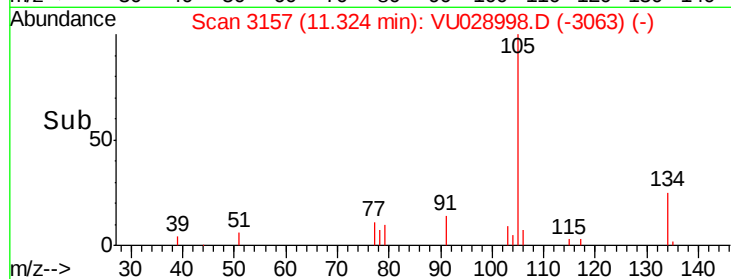
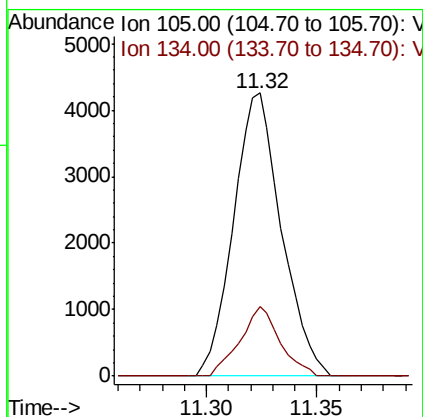
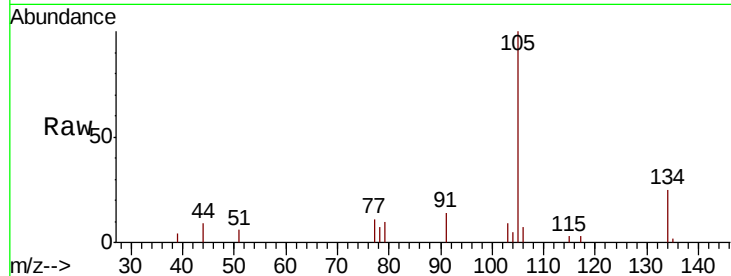




#85
 sec-Butylbenzene
 Concen: 1.015 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

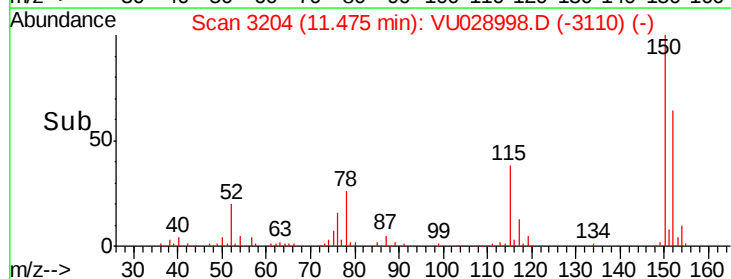
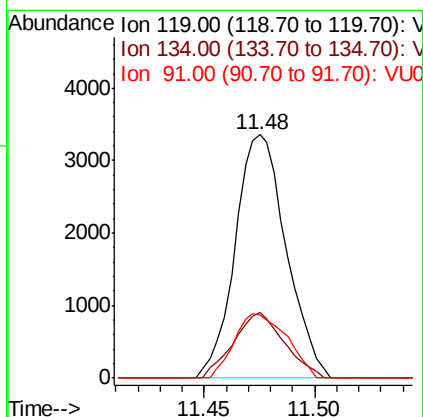
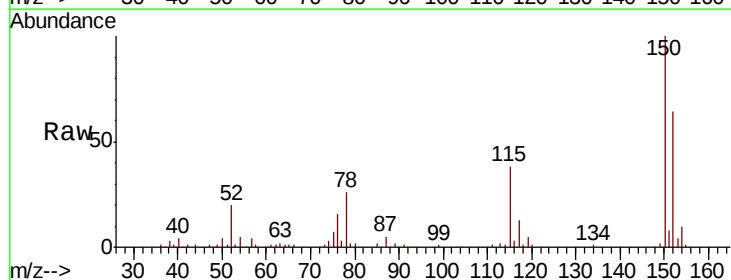
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

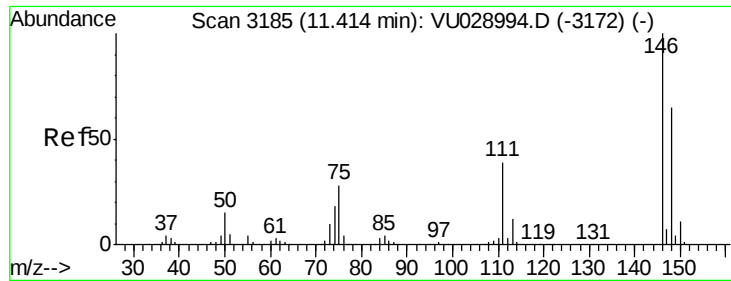
Tgt Ion:105 Resp: 6405
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 1.003 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion:119 Resp: 5394
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 27.1 11.3 33.8

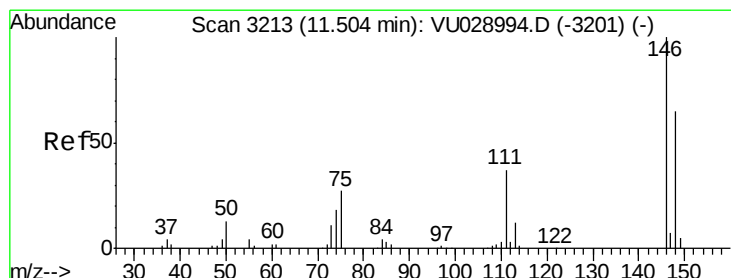
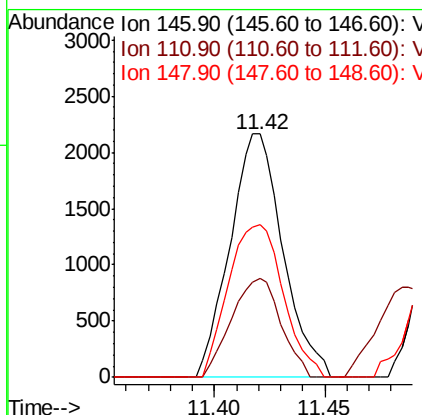
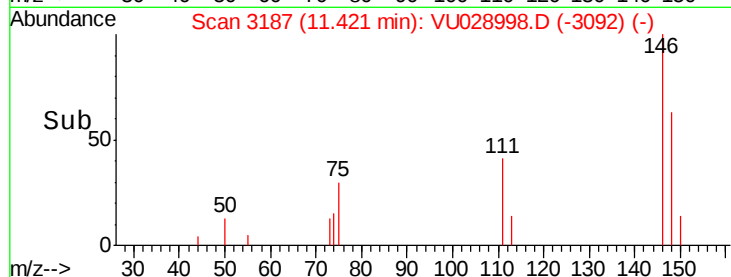
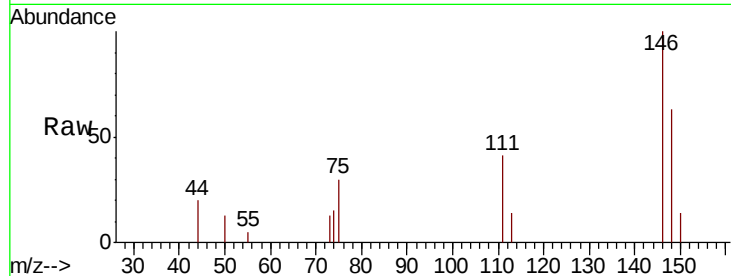




#87
 1,3-Dichlorobenzene
 Concen: 1.190 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

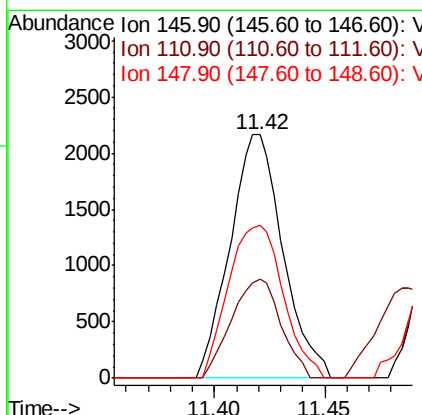
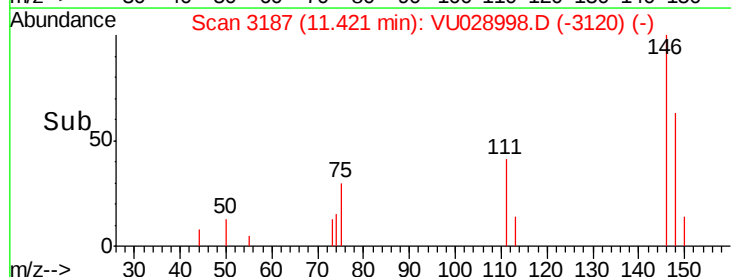
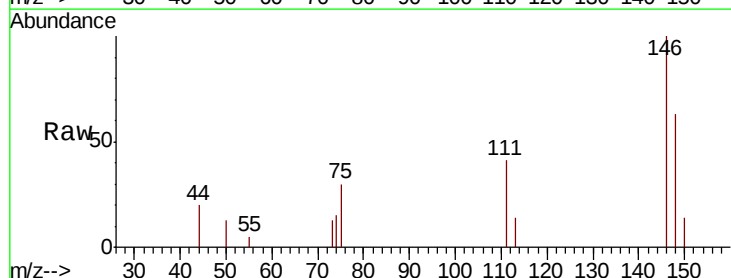
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

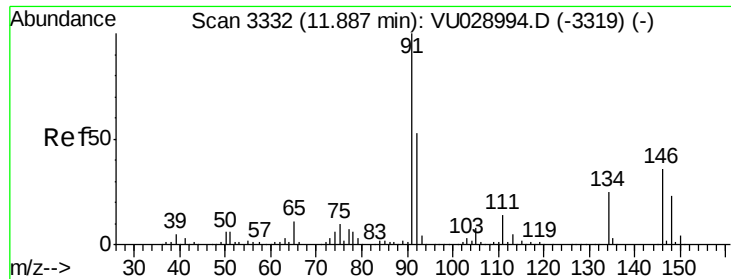
Tgt Ion:146 Resp: 3607
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.8
 148 65.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 1.153 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.08 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion:146 Resp: 3607
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 65.1 32.6 98.0





#89

n-Butylbenzene

Concen: 0.925 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028998.D

Acq: 03 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

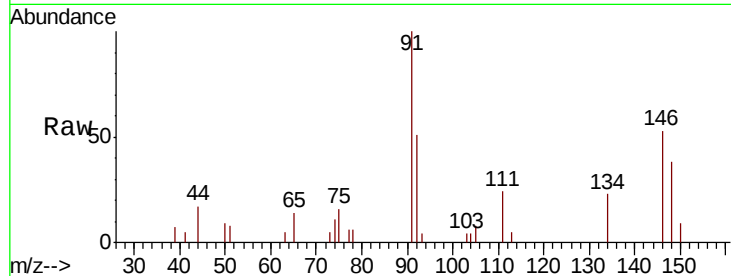
Tgt Ion: 91 Resp: 4442

Ion Ratio Lower Upper

91 100

92 51.4 26.2 78.5

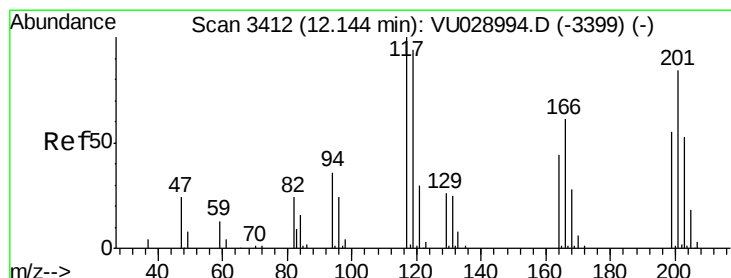
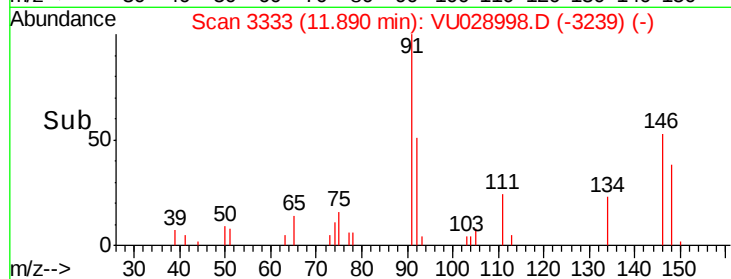
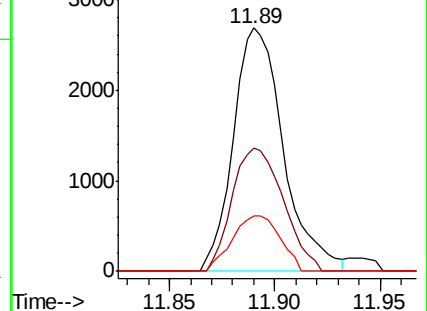
134 21.7 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3319) (-)



#90

Hexachloroethane

Concen: 1.141 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028998.D

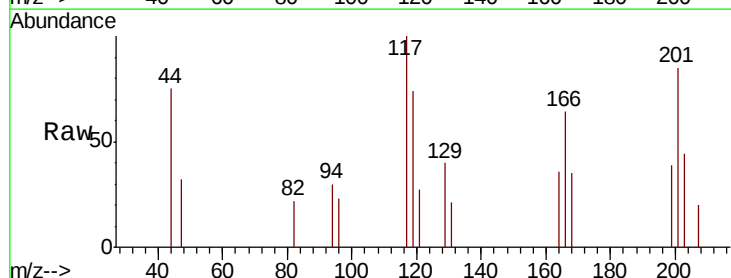
Acq: 03 Jan 2019 15:30

Tgt Ion: 117 Resp: 1032

Ion Ratio Lower Upper

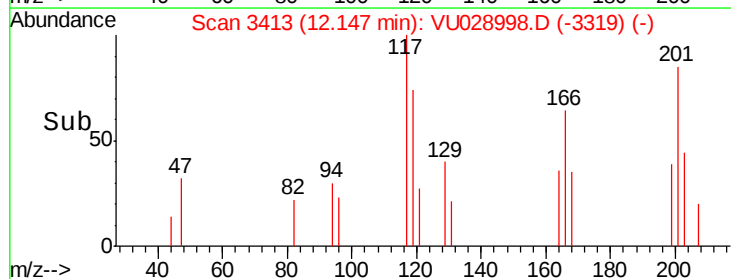
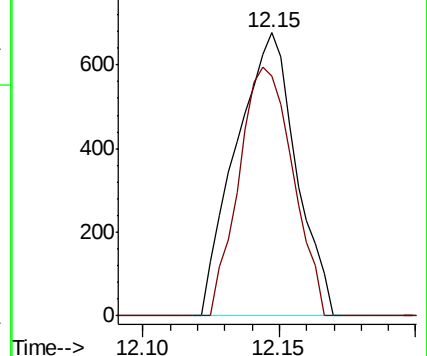
117 100

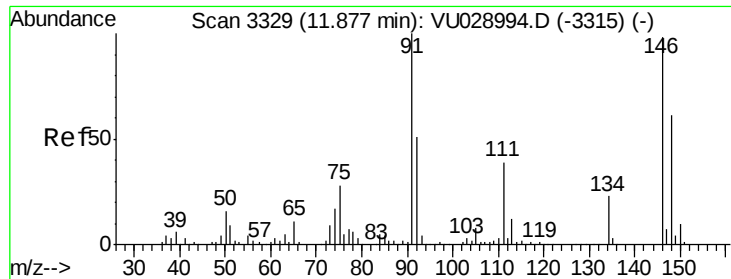
201 79.0 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3319) (-)

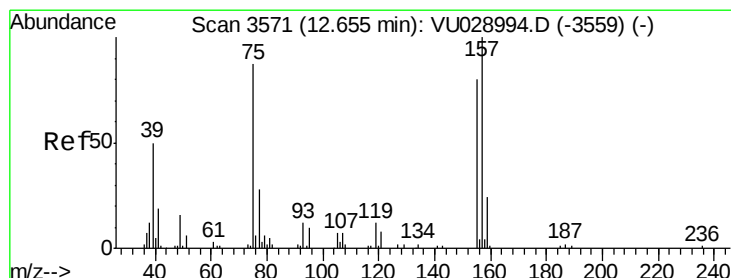
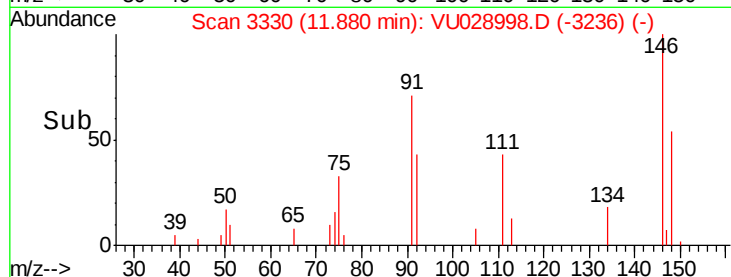
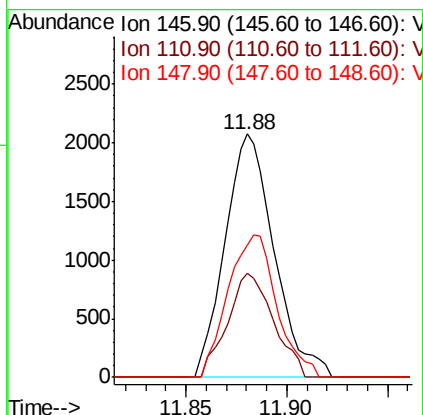
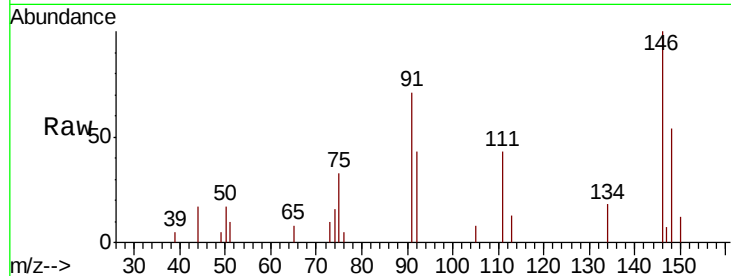




#91
 1,2-Dichlorobenzene
 Concen: 1.155 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

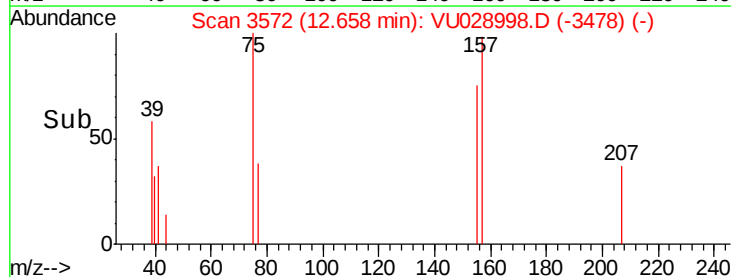
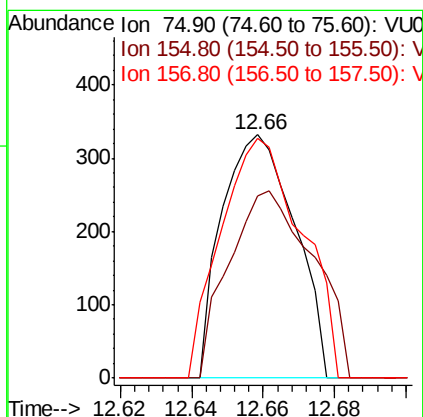
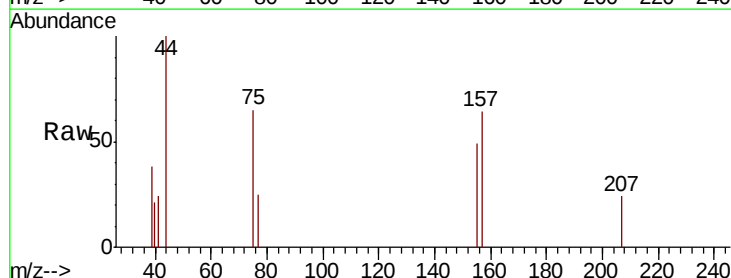
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

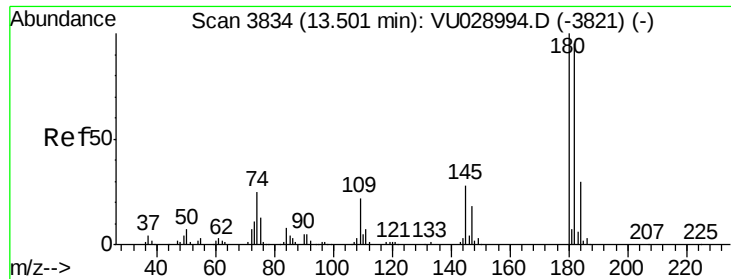
Tgt Ion: 146 Resp: 3525
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 58.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.955 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion: 75 Resp: 467
 Ion Ratio Lower Upper
 75 100
 155 89.1 46.3 138.8
 157 109.9 57.4 172.0

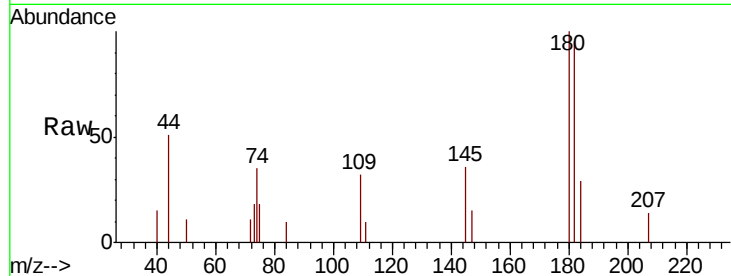




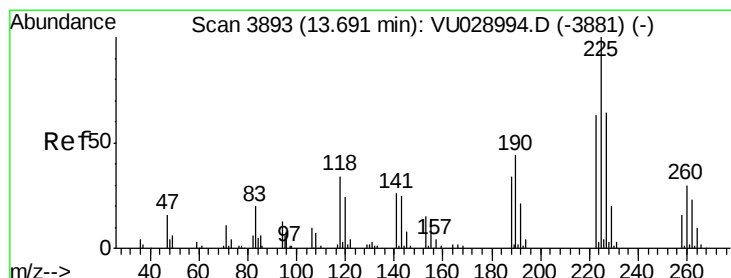
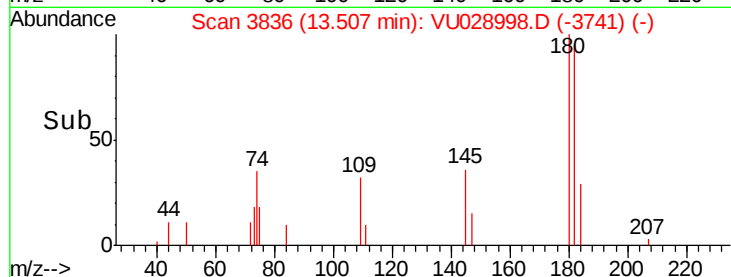
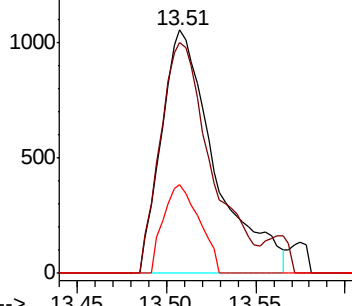
#93
 1,2,4-Trichlorobenzene
 Concen: 1.132 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 2206
 Ion Ratio Lower Upper
 180 100
 182 90.2 47.5 142.6
 145 24.4 14.0 42.0

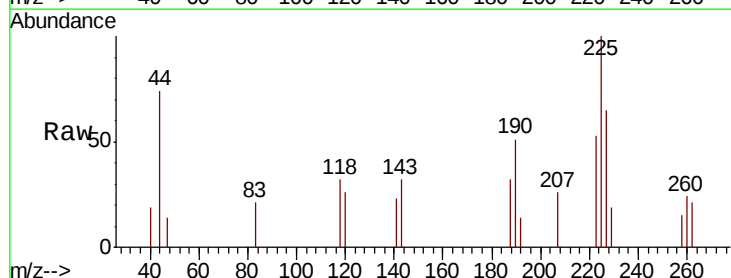


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

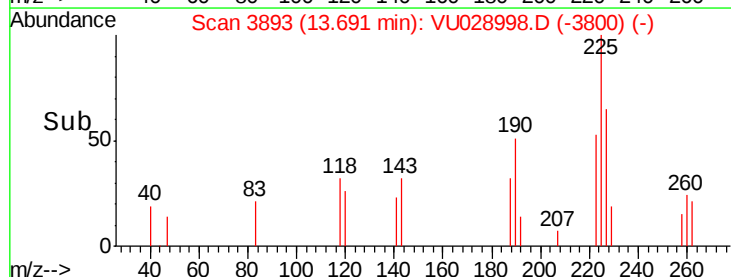
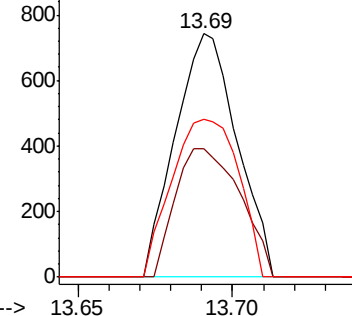


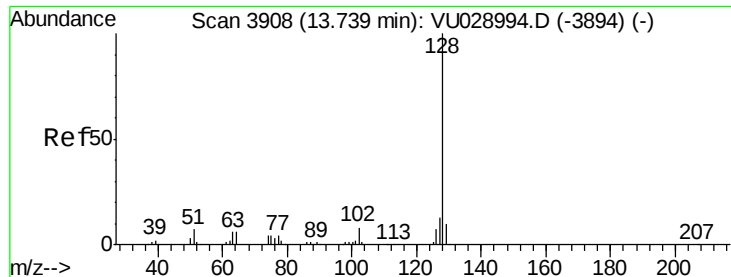
#94
 Hexachlorobutadiene
 Concen: 1.159 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028998.D
 Acq: 03 Jan 2019 15:30

Tgt Ion:225 Resp: 1033
 Ion Ratio Lower Upper
 225 100
 223 55.6 31.4 94.0
 227 70.5 31.9 95.5



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

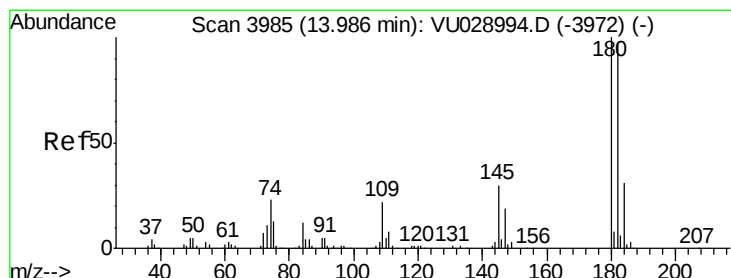
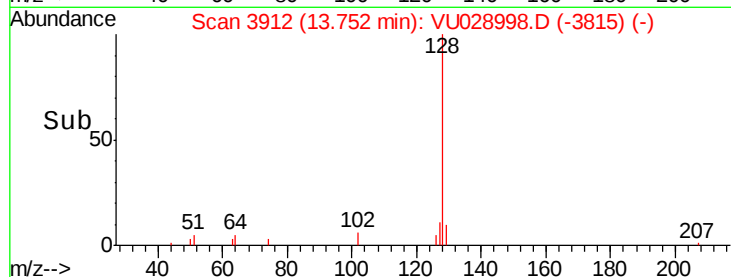
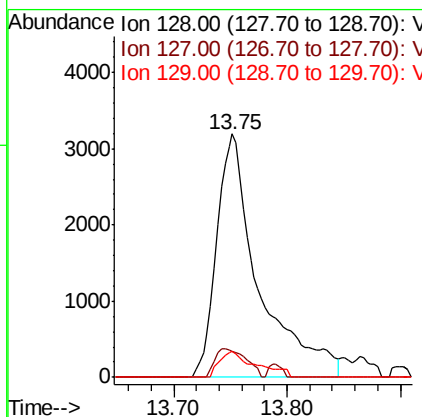
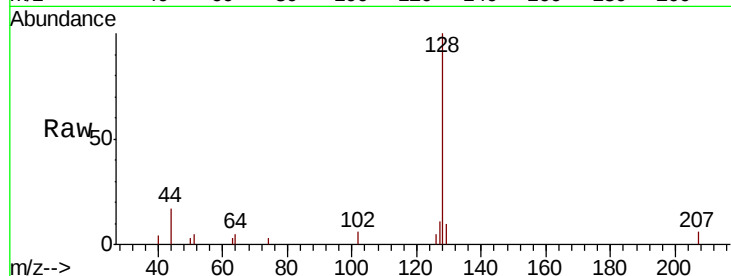




#95
Naphthalene
Concen: 1.243 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 8239
Ion Ratio Lower Upper
128 100
127 8.7 10.1 15.1#
129 8.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 1.307 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU028998.D
Acq: 03 Jan 2019 15:30

Tgt Ion:180 Resp: 2709
Ion Ratio Lower Upper
180 100
182 96.1 48.1 144.3
145 24.9 14.8 44.4

