

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029003.D
 Acq On : 03 Jan 2019 17:36
 Operator : MD/SY
 Sample : VU0103WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:48:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	129768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214836	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79978	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	4.88	113	68449	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	7.56	98	269310	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	10.30	95	94335	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	25117	19.517	ug/l 99
3) Chloromethane	1.33	50	40575	19.325	ug/l 100
4) Vinyl Chloride	1.40	62	38143	20.112	ug/l 98
5) Bromomethane	1.60	94	21574	20.324	ug/l 99
6) Chloroethane	1.68	64	23649	20.935	ug/l 99
7) Trichlorofluoromethane	1.88	101	40691	19.690	ug/l 98
8) Diethyl Ether	2.10	74	19881	20.025	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	27026	19.546	ug/l 98
10) Methyl Iodide	2.40	142	26593	20.454	ug/l 99
11) Tert butyl alcohol	2.83	59	42260	103.639	ug/l 100
12) 1,1-Dichloroethene	2.28	96	27440	20.388	ug/l 96
13) Acrolein	2.19	56	28644	93.551	ug/l 98
14) Allyl chloride	2.59	41	51188	20.729	ug/l 99
15) Acrylonitrile	2.93	53	101386	101.348	ug/l 100
16) Acetone	2.32	43	87159	86.247	ug/l 100
17) Carbon Disulfide	2.47	76	88279	19.468	ug/l 99
18) Methyl Acetate	2.61	43	47301	20.130	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	93759	19.815	ug/l 99
20) Methylene Chloride	2.70	84	33082	19.281	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	30017	19.197	ug/l 96
22) Diisopropyl ether	3.57	45	98699	20.223	ug/l 97
23) Vinyl Acetate	3.52	43	402602	100.905	ug/l 100
24) 1,1-Dichloroethane	3.44	63	56695	20.123	ug/l 98
25) 2-Butanone	4.26	43	133859	98.070	ug/l 100
26) 2,2-Dichloropropane	4.22	77	44588	19.586	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	34518	20.183	ug/l 99
28) Bromochloromethane	4.55	49	23152	19.191	ug/l 99
29) Tetrahydrofuran	4.64	42	86134	104.045	ug/l 99
30) Chloroform	4.67	83	54117	20.166	ug/l 97
31) Cyclohexane	4.99	56	54435	19.789	ug/l 95
32) 1,1,1-Trichloroethane	4.91	97	44002	19.844	ug/l 97
36) 1,1-Dichloropropene	5.13	75	40589	18.902	ug/l 99
37) Ethyl Acetate	4.38	43	46461	19.711	ug/l 100
38) Carbon Tetrachloride	5.13	117	35188	19.647	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	50339	19.068	ug/l	99
40) Benzene	5.39	78	130204	19.438	ug/l	98
41) Methacrylonitrile	4.54	41	25677	20.351	ug/l	98
42) 1,2-Dichloroethane	5.40	62	40032	19.889	ug/l	98
43) Isopropyl Acetate	5.55	43	74152	20.508	ug/l	100
44) Trichloroethene	6.18	130	31557	19.014	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35179	19.888	ug/l	99
46) Dibromomethane	6.56	93	22618	20.002	ug/l	99
47) Bromodichloromethane	6.75	83	41102	19.742	ug/l	98
48) Methyl methacrylate	6.62	41	36456	20.706	ug/l	99
49) 1,4-Dioxane	6.61	88	18646	446.891	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	248145	100.841	ug/l	99
52) Toluene	7.64	92	80774	19.809	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	47468	18.980	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	51882	19.198	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	32622	19.969	ug/l	98
56) Ethyl methacrylate	8.02	69	50064	19.892	ug/l	100
57) 1,3-Dichloropropane	8.24	76	54757	19.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	113513	102.558	ug/l	100
59) 2-Hexanone	8.36	43	193586	100.221	ug/l	99
60) Dibromochloromethane	8.48	129	31638	19.549	ug/l	99
61) 1,2-Dibromoethane	8.58	107	34641	19.552	ug/l	97
64) Tetrachloroethene	8.22	164	28500	20.030	ug/l	97
65) Chlorobenzene	9.12	112	85845	19.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	28263	19.671	ug/l	100
67) Ethyl Benzene	9.25	91	145952	19.745	ug/l	100
68) m/p-Xylenes	9.37	106	113476	39.509	ug/l	98
69) o-Xylene	9.78	106	55978	20.228	ug/l	97
70) Styrene	9.79	104	88794	19.572	ug/l	99
71) Bromoform	9.96	173	24932	19.488	ug/l #	100
73) Isopropylbenzene	10.16	105	143942	20.218	ug/l	99
74) N-amyl acetate	10.01	43	64028	20.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	57232	20.058	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	65676	27.868	ug/l	82
77) Bromobenzene	10.45	156	36958	19.920	ug/l	99
78) n-propylbenzene	10.58	91	165710	19.751	ug/l	100
79) 2-Chlorotoluene	10.66	91	102025	20.046	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	118357	19.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	65676	71.872	ug/l #	100
82) 4-Chlorotoluene	10.77	91	112904	19.346	ug/l	100
83) tert-Butylbenzene	11.10	119	115696	19.744	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	120229	20.255	ug/l	100
85) sec-Butylbenzene	11.32	105	141835	20.014	ug/l	100
86) p-Isopropyltoluene	11.47	119	120423	19.941	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	66365	19.501	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	65380	18.612	ug/l	99
89) n-Butylbenzene	11.89	91	104538	19.395	ug/l	99
90) Hexachloroethane	12.14	117	18999	18.701	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	66321	19.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11415	20.800	ug/l	97

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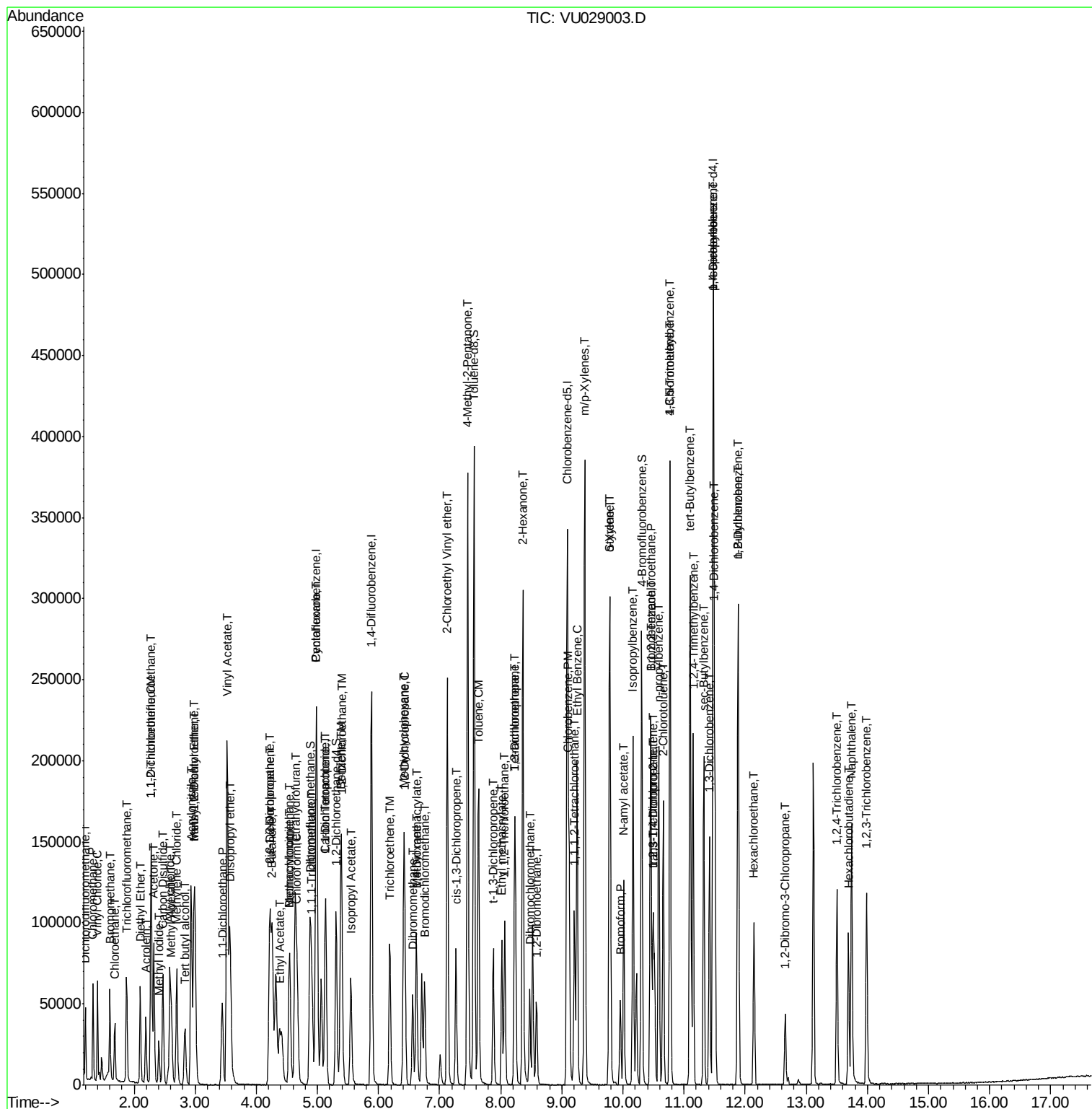
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39942	18.255	ug/l	99
94) Hexachlorobutadiene	13.69	225	18628	18.613	ug/l	98
95) Naphthalene	13.74	128	136018	18.274	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41369	18.856	ug/l	98

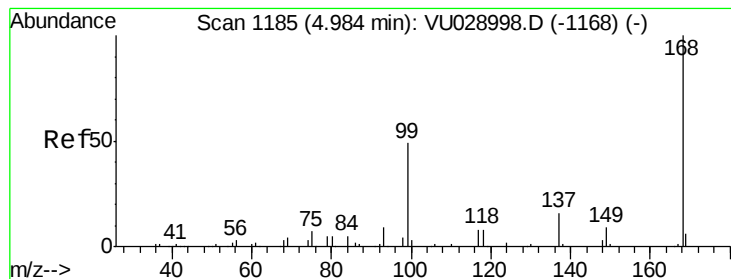
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

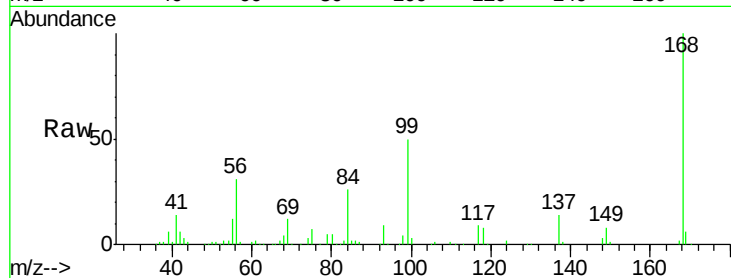
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 129768

Ion Ratio Lower Upper

168 100

99 49.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

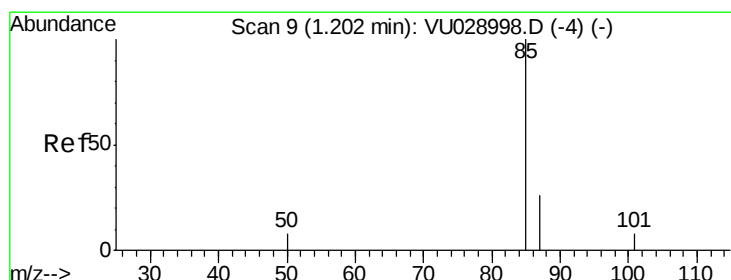
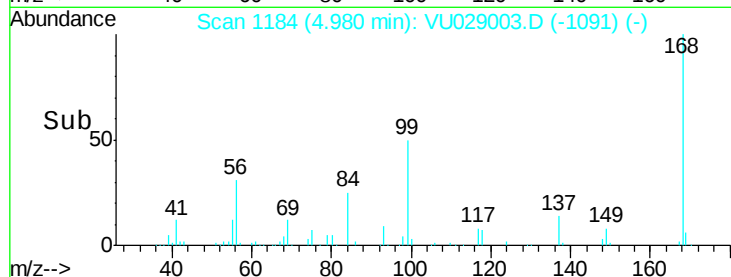
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.517 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029003.D

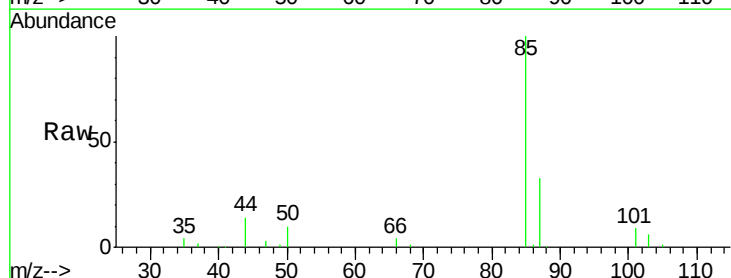
Acq: 03 Jan 2019 17:36

Tgt Ion: 85 Resp: 25117

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

30000

25000

20000

15000

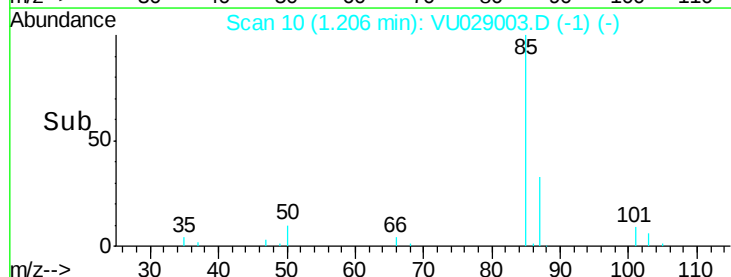
10000

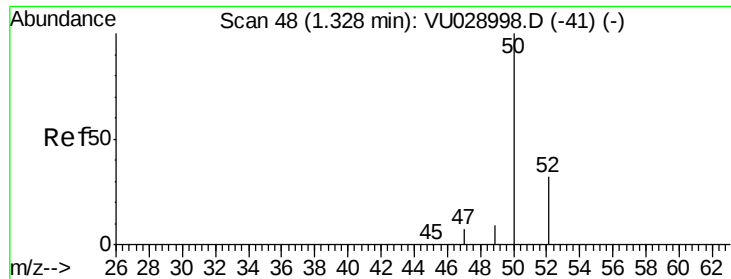
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.325 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

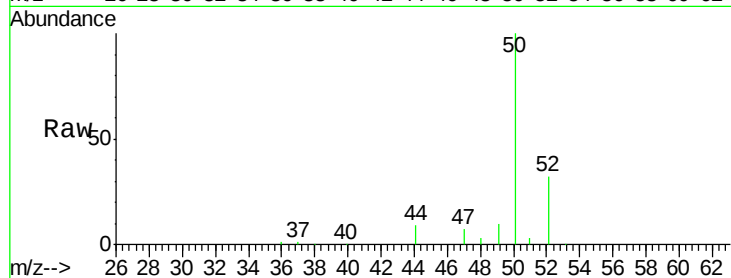
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 40575

Ion Ratio Lower Upper

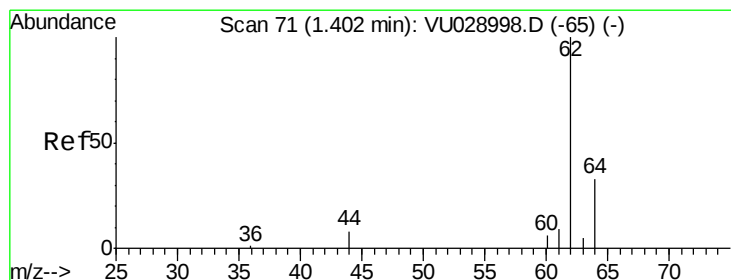
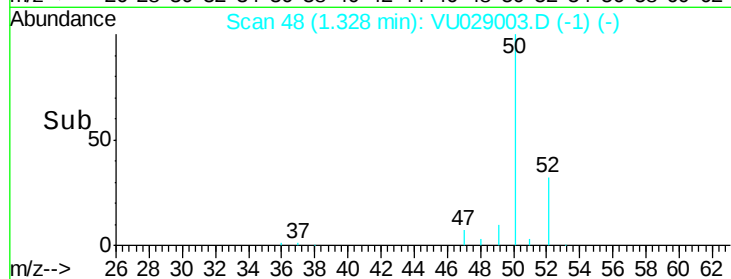
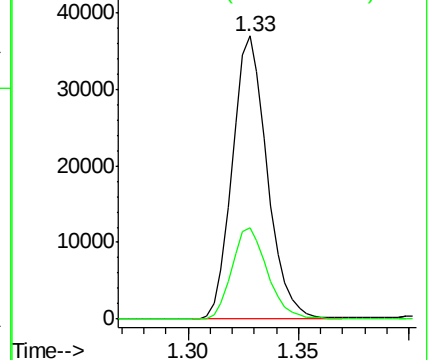
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029003.D

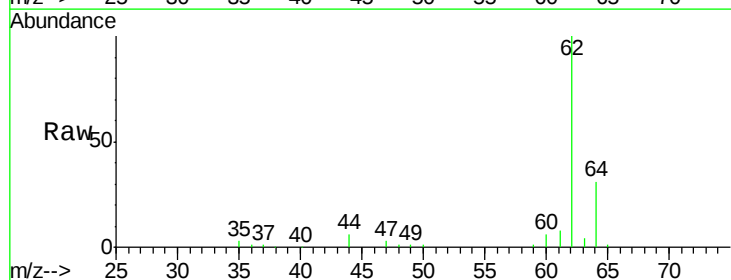
Acq: 03 Jan 2019 17:36

Tgt Ion: 62 Resp: 38143

Ion Ratio Lower Upper

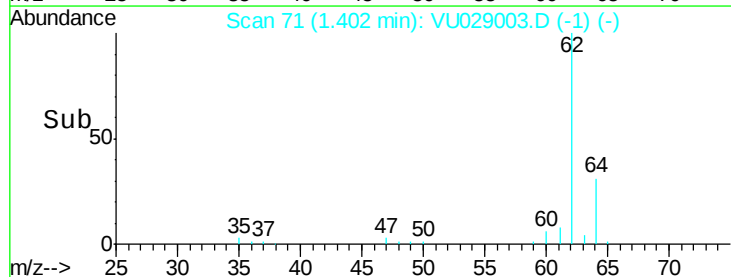
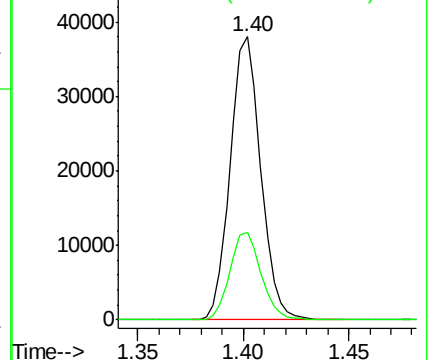
62 100

64 31.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.324 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

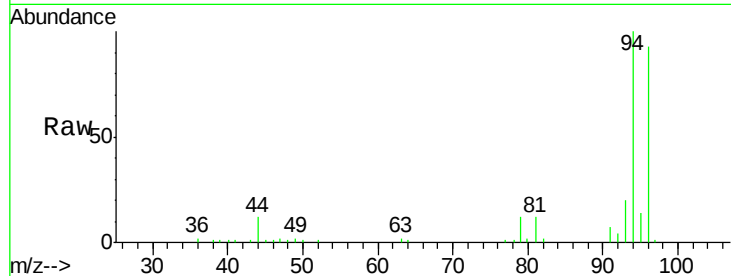
ClientSampleId :

Tot Ion: 94 Resp: 21574

Ion Ratio Lower Upper

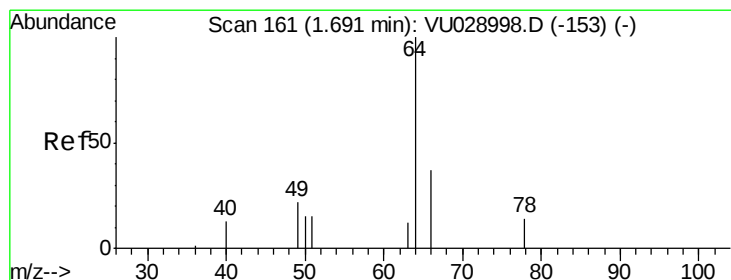
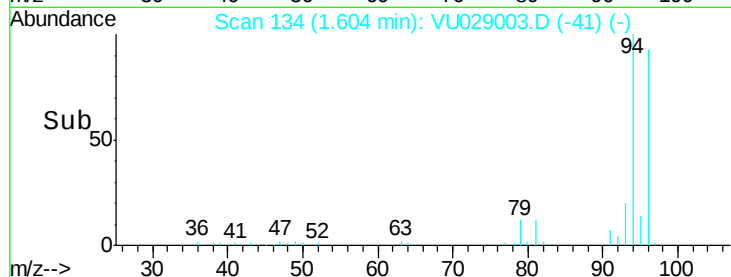
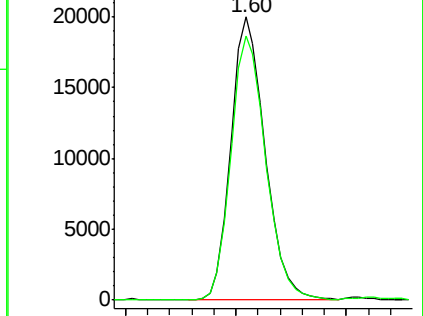
94 100

96 93.4 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: 20.935 ug/l

RT: 1.68 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU029003.D

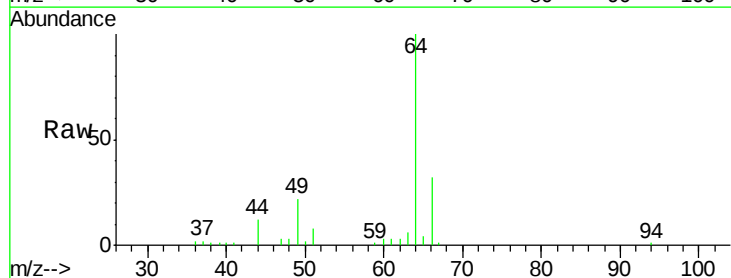
Acq: 03 Jan 2019 17:36

Tgt Ion: 64 Resp: 23649

Ion Ratio Lower Upper

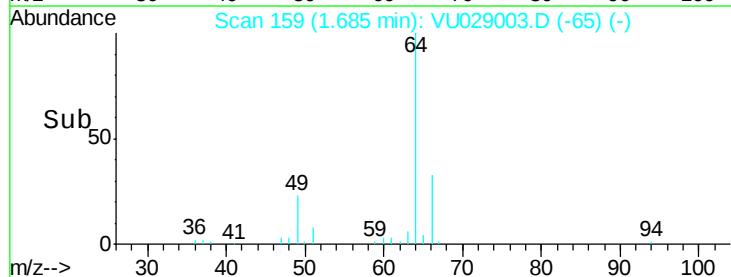
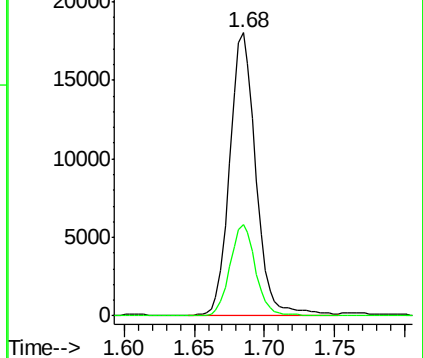
64 100

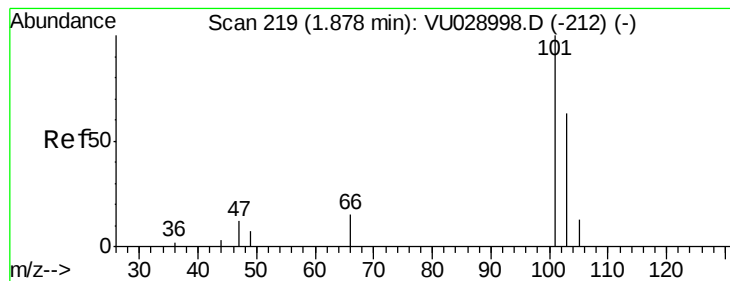
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



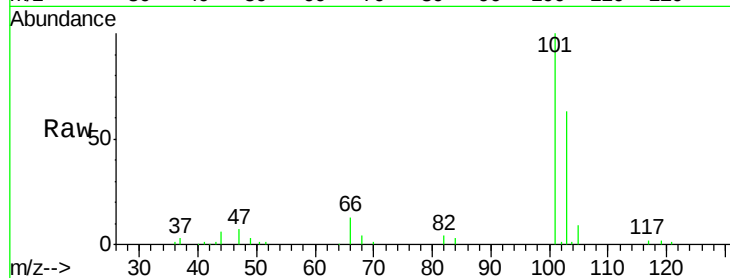


#7

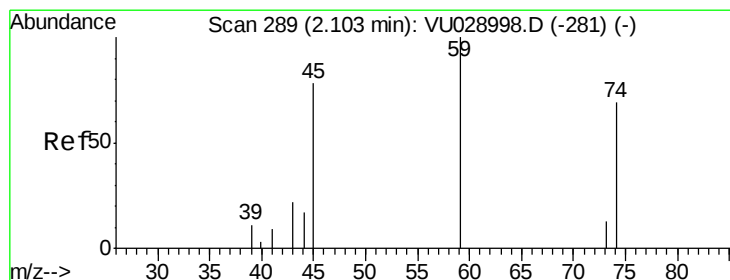
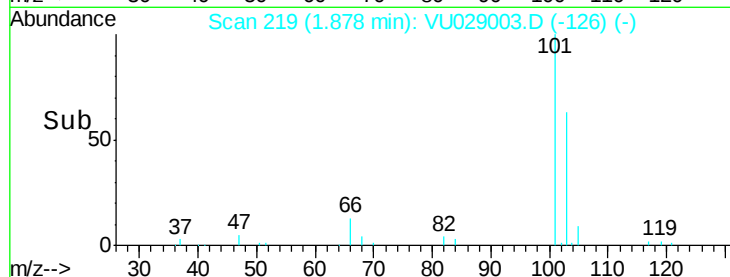
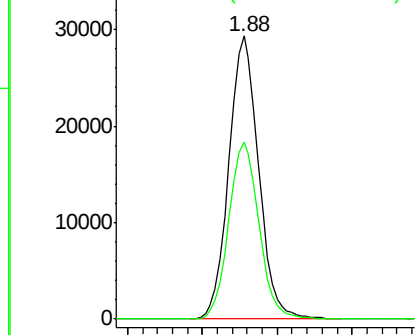
Trichlorofluoromethane
 Concen: 19.690 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 40691
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.5 77.3



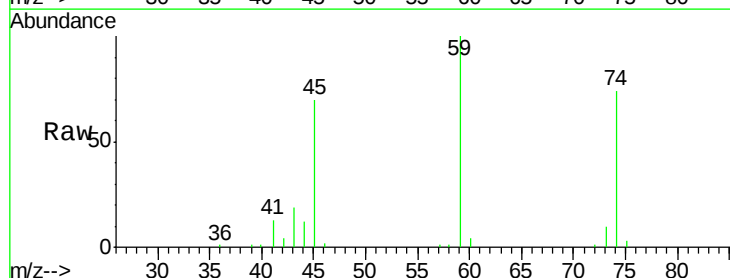
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



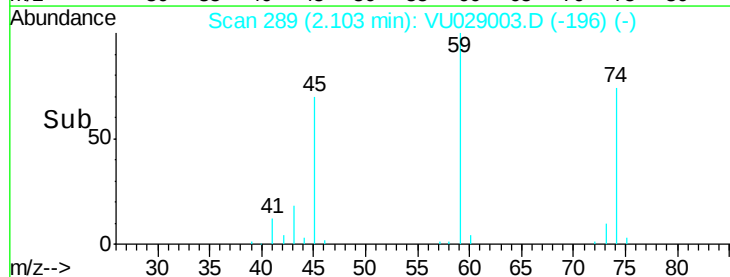
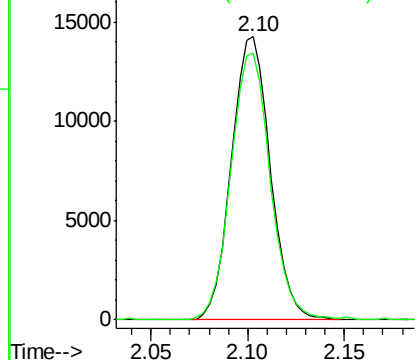
#8

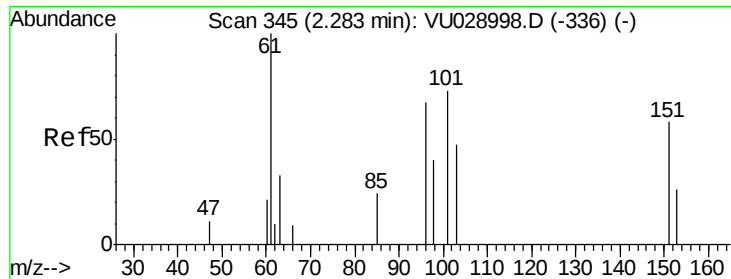
Diethyl Ether
 Concen: 20.025 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029003.D
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Tgt Ion: 74 Resp: 19881
 Ion Ratio Lower Upper
 74 100
 45 95.6 46.9 140.6



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: 19.546 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

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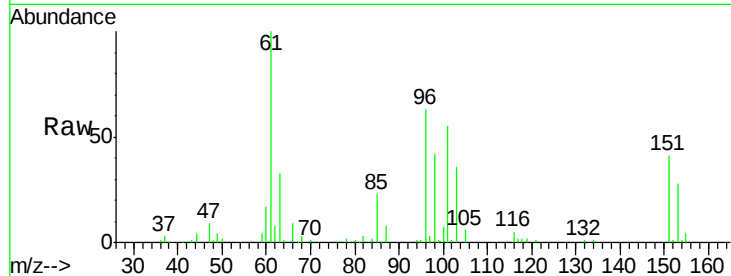
Tot Ion:101 Resp: 27026

Ion Ratio Lower Upper

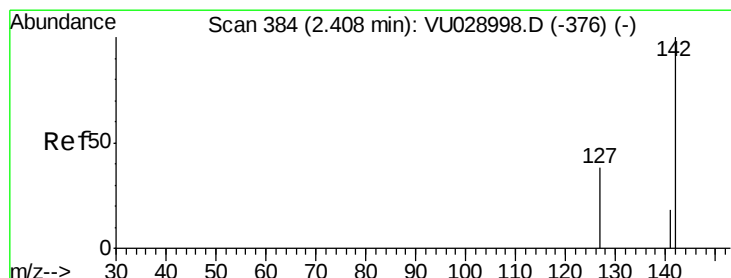
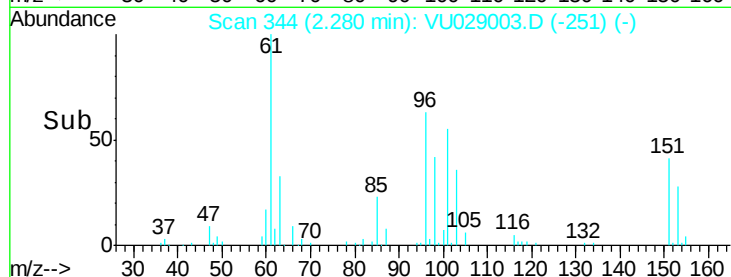
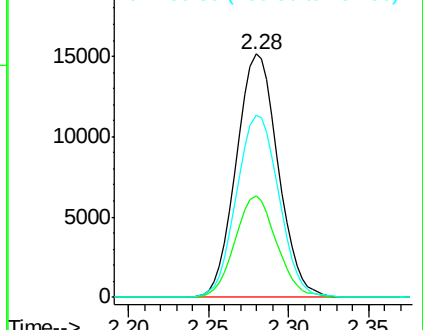
101 100

85 41.4 35.1 52.7

151 76.0 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.454 ug/l

RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

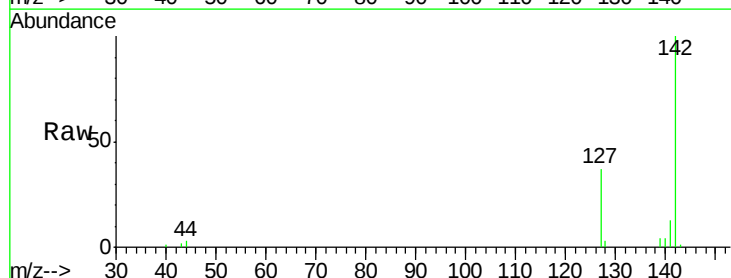
Tgt Ion:142 Resp: 26593

Ion Ratio Lower Upper

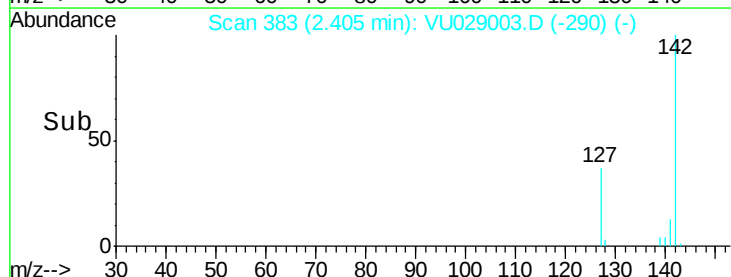
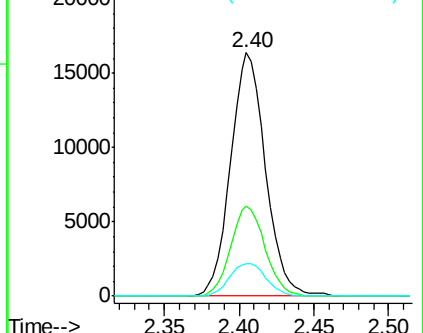
142 100

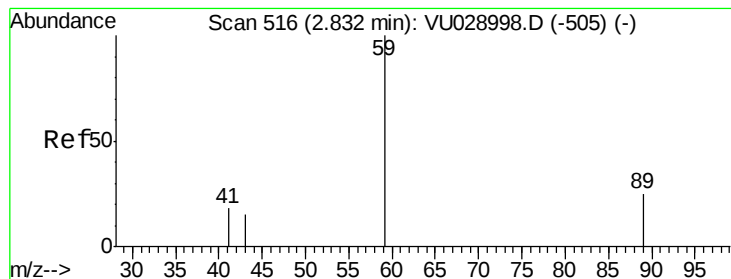
127 36.2 29.8 44.6

141 13.9 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



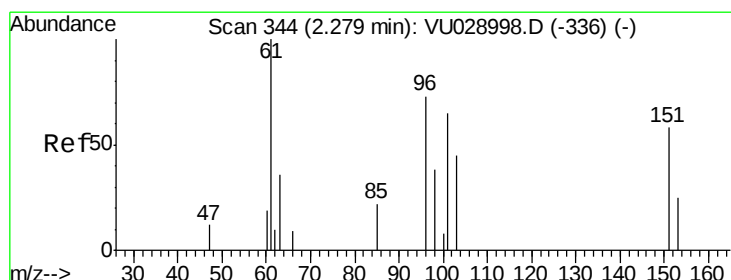
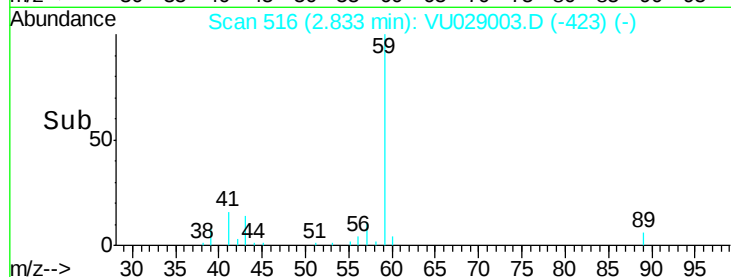
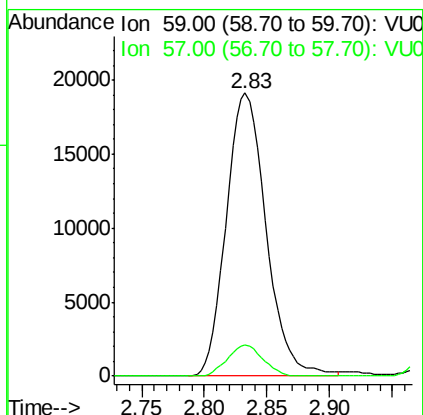
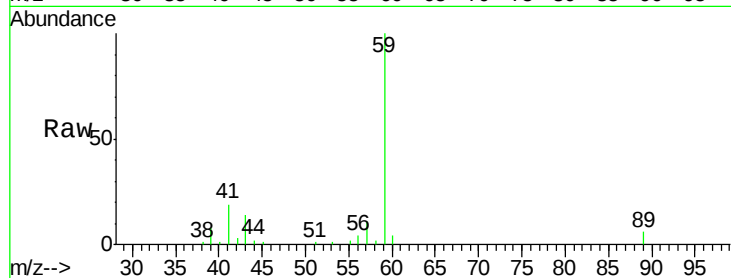


#11

Tert butyl alcohol
 Concen: 103.639 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

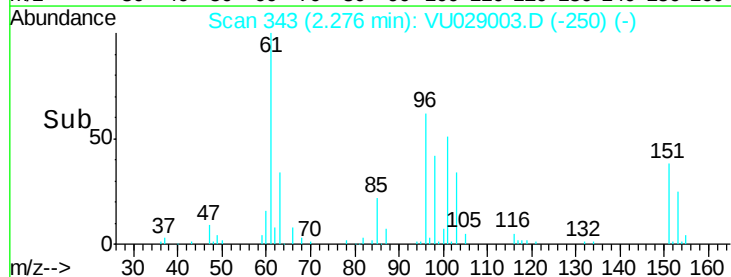
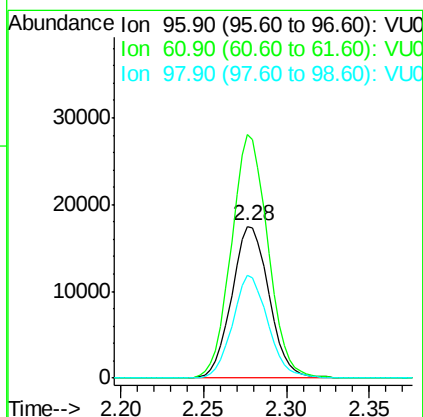
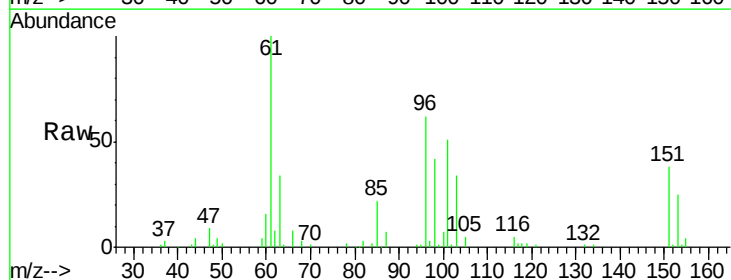
Tot Ion: 59 Resp: 42260
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.9 11.9

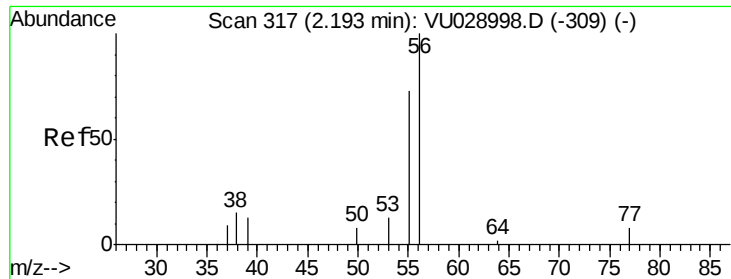


#12

1,1-Dichloroethene
 Concen: 20.388 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 96 Resp: 27440
 Ion Ratio Lower Upper
 96 100
 61 160.6 125.4 188.0
 98 67.8 49.7 74.5





#13

Acrolein

Concen: 93.551 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

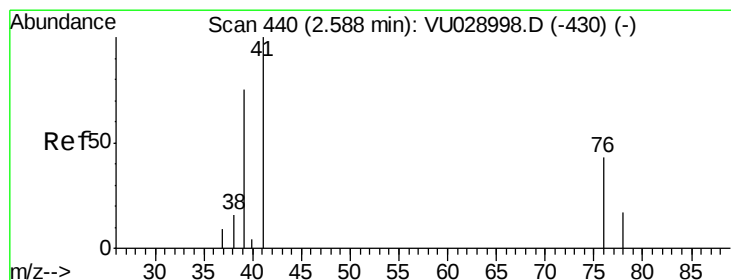
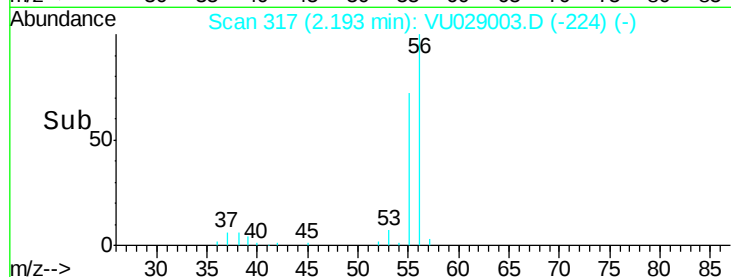
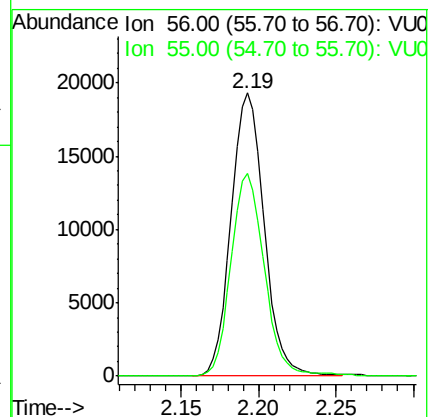
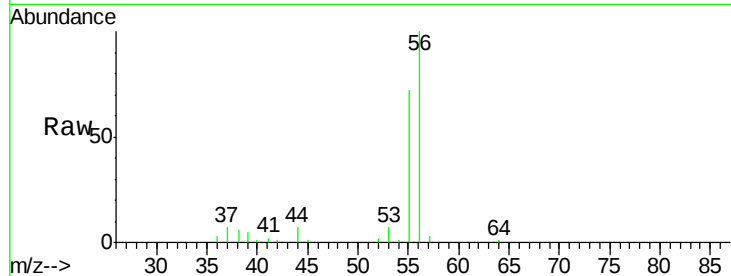
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 28644

Ion Ratio Lower Upper

56 100

55 72.2 56.5 84.7



#14

Allyl chloride

Concen: 20.729 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

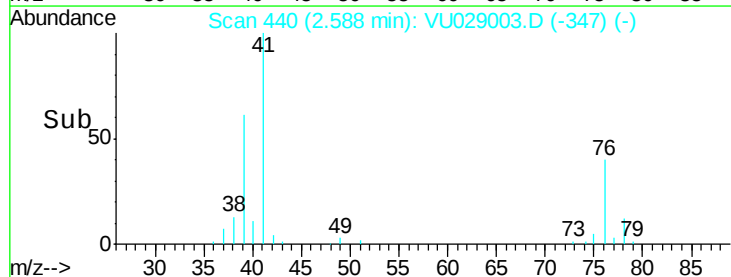
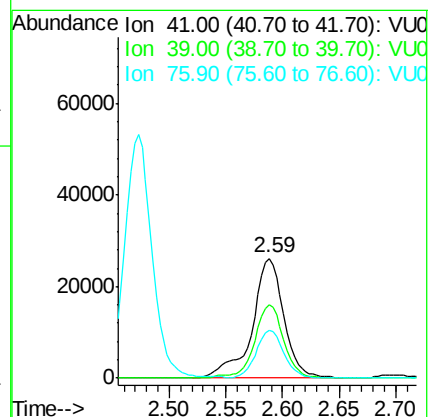
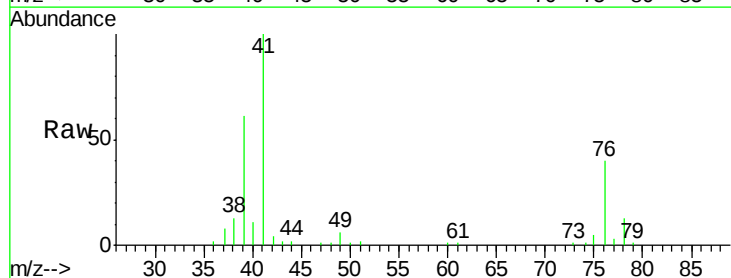
Tgt Ion: 41 Resp: 51188

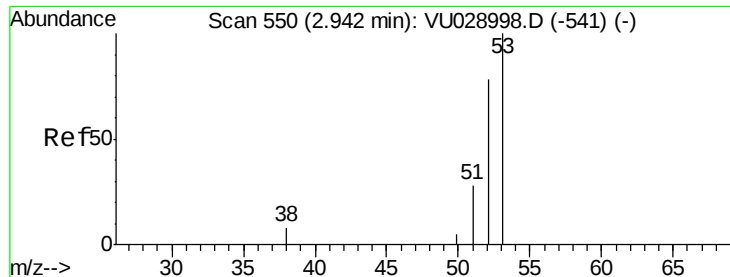
Ion Ratio Lower Upper

41 100

39 55.9 45.0 67.6

76 34.8 28.1 42.1





#15

Acrylonitrile

Concen: 101.348 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

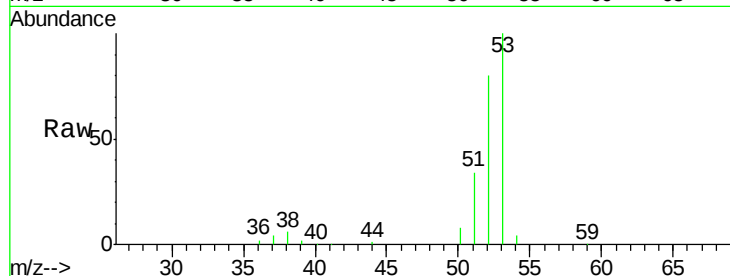
Tot Ion: 53 Resp: 101386

Ion Ratio Lower Upper

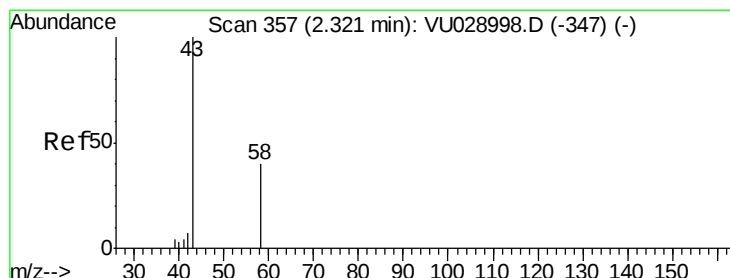
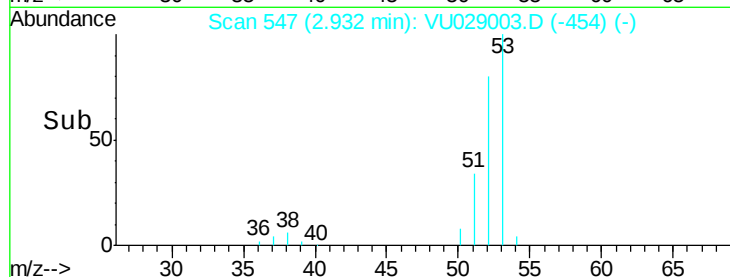
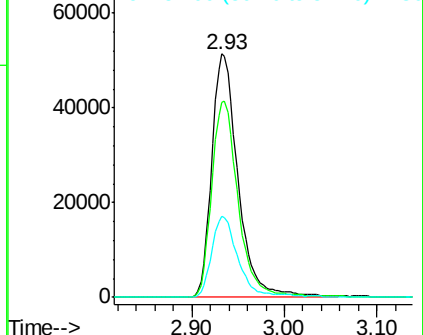
53 100

52 81.1 64.8 97.2

51 33.6 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 86.247 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029003.D

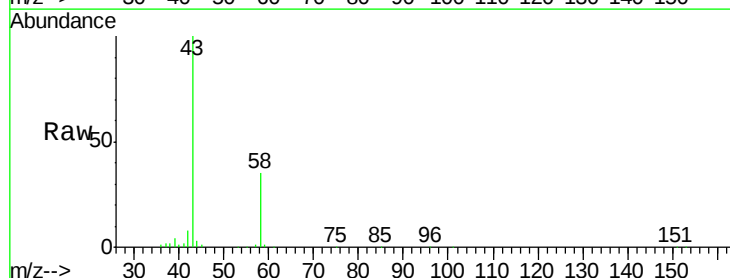
Acq: 03 Jan 2019 17:36

Tgt Ion: 43 Resp: 87159

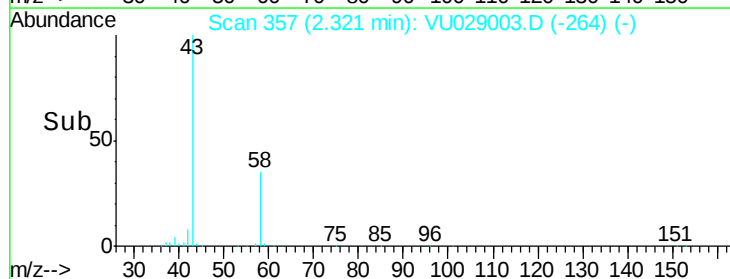
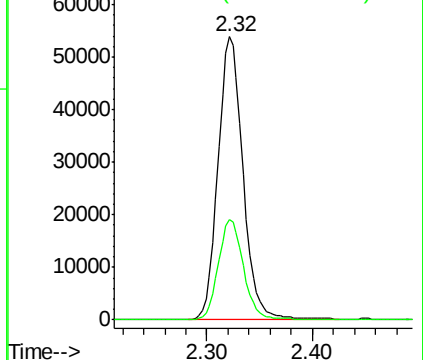
Ion Ratio Lower Upper

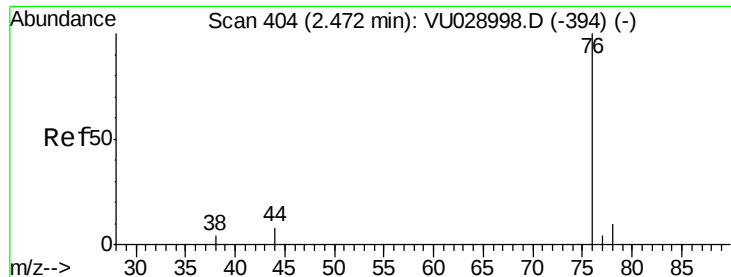
43 100

58 35.4 28.6 42.8



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





#17

Carbon Disulfide

Concen: 19.468 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

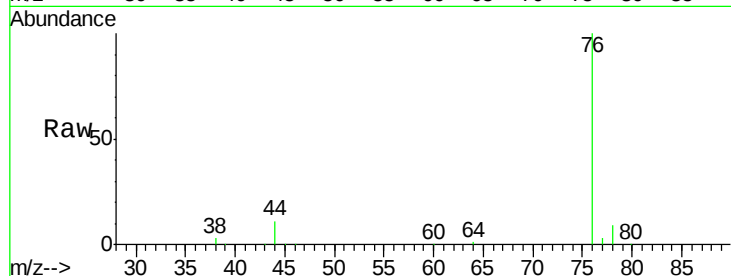
ClientSampleId :

Tot Ion: 76 Resp: 88279

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU029003.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029003.D (-311) (-)

2.47

60000

50000

40000

30000

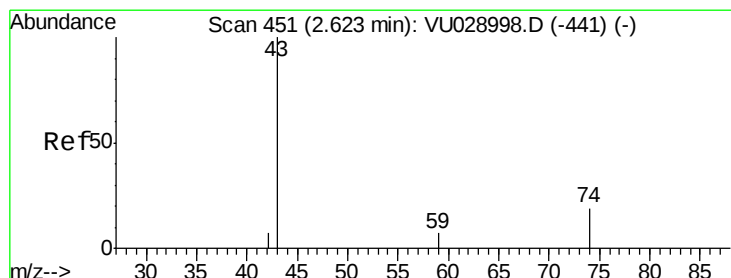
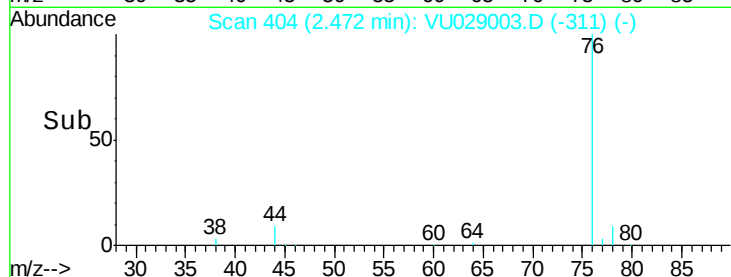
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 20.130 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029003.D

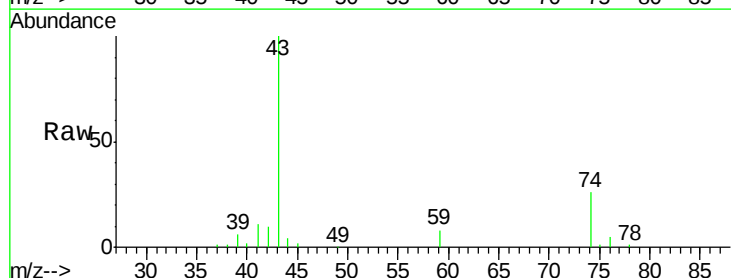
Acq: 03 Jan 2019 17:36

Tgt Ion: 43 Resp: 47301

Ion Ratio Lower Upper

43 100

74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029003.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029003.D (-355) (-)

2.61

30000

25000

20000

15000

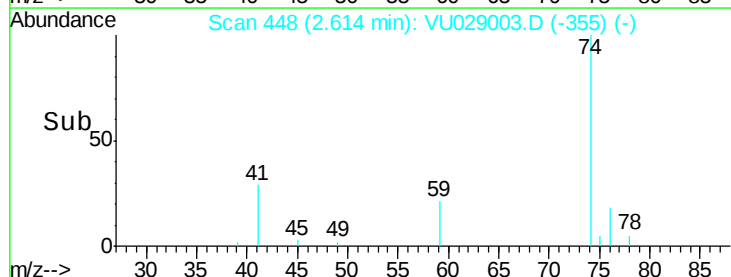
10000

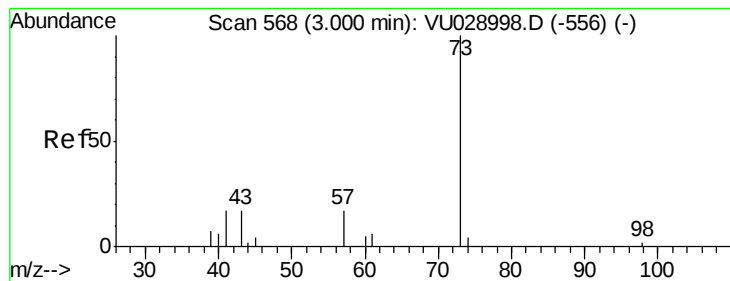
5000

0

Time-->

2.60 2.70



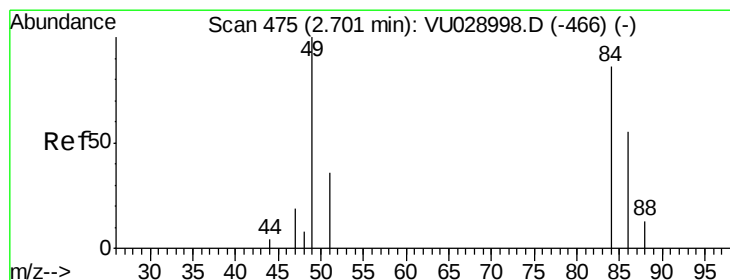
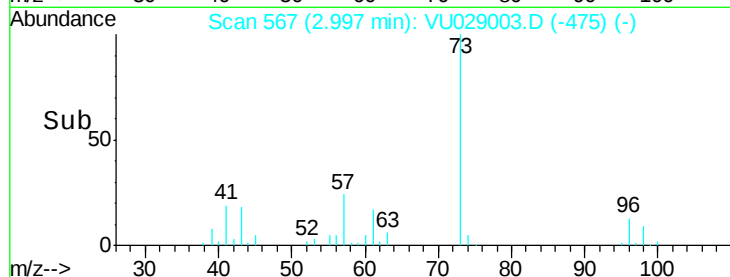
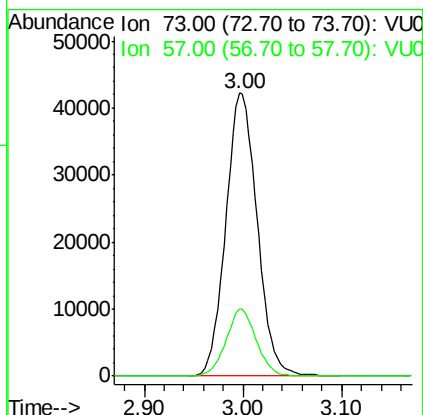
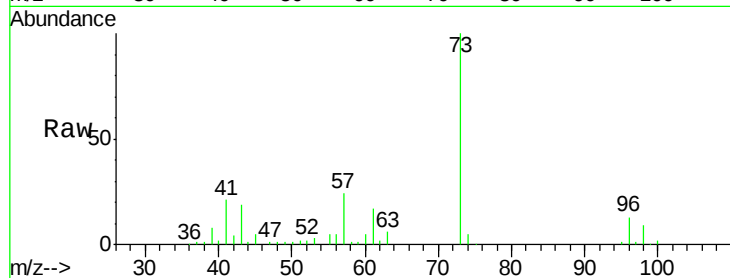


#19

Methyl tert-butyl Ether
 Concen: 19.815 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleID :

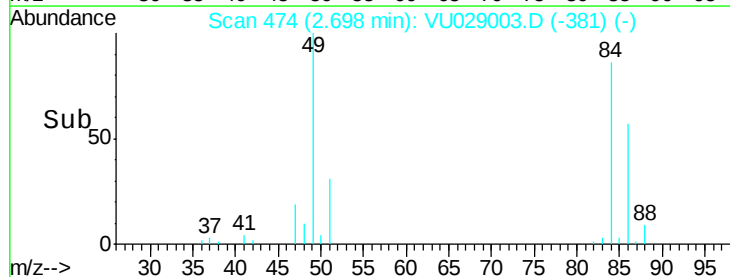
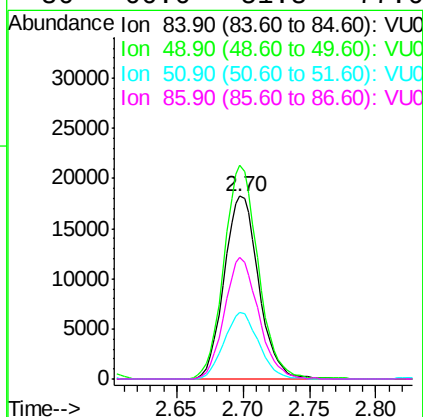
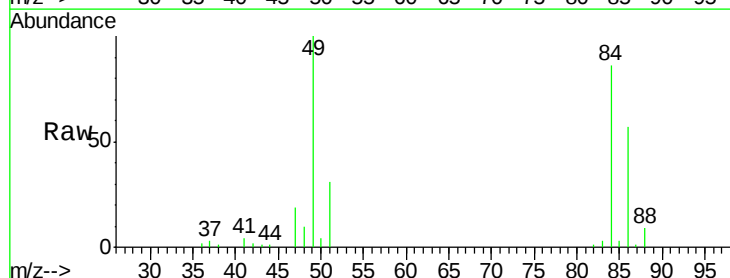
Tot Ion: 73 Resp: 93759
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.6 28.0

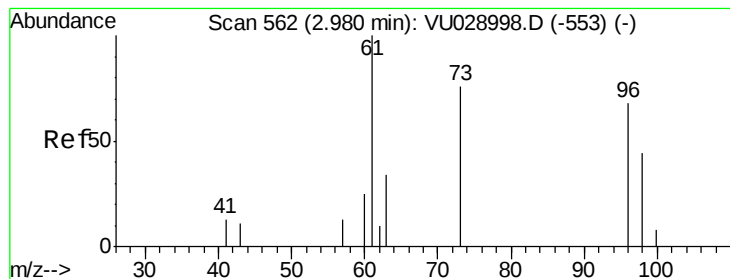


#20

Methylene Chloride
 Concen: 19.281 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 84 Resp: 33082
 Ion Ratio Lower Upper
 84 100
 49 116.9 91.9 137.9
 51 36.3 29.2 43.8
 86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.197 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

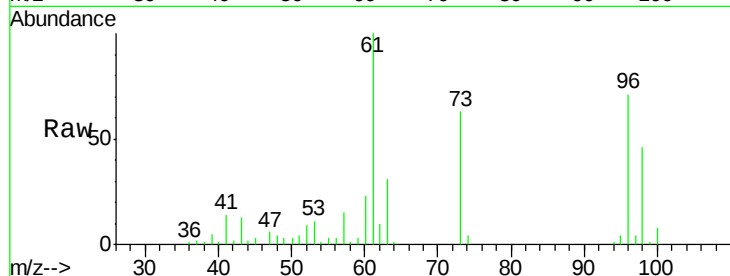
Tot Ion: 96 Resp: 30017

Ion Ratio Lower Upper

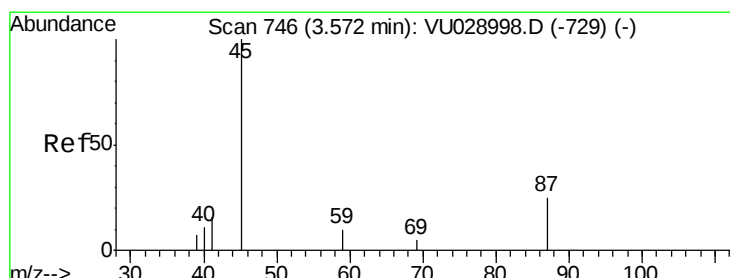
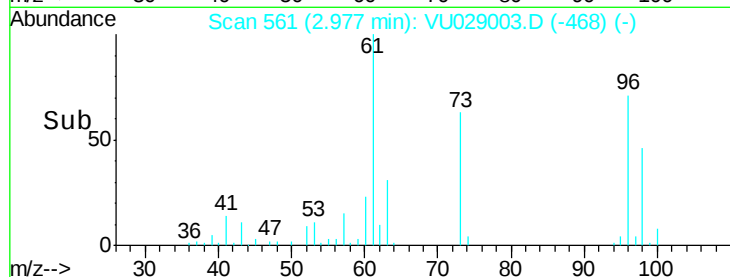
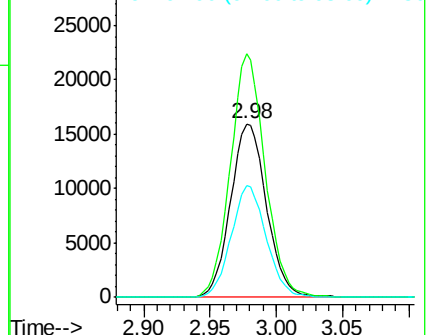
96 100

61 140.5 107.7 161.5

98 64.2 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: 20.223 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion: 45 Resp: 98699

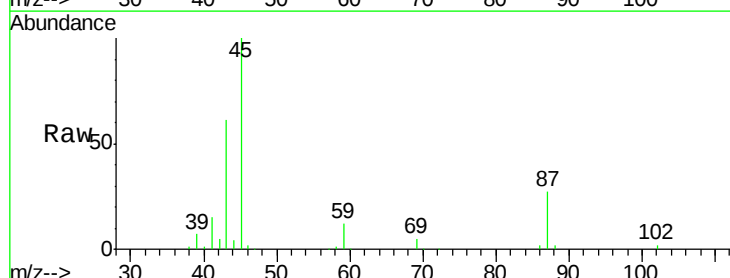
Ion Ratio Lower Upper

45 100

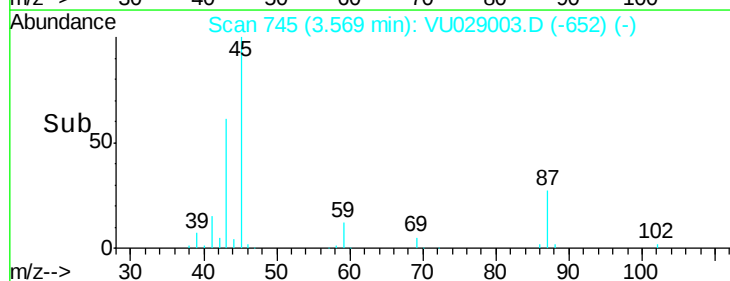
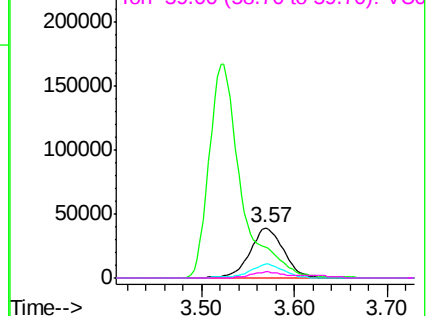
43 59.2 44.7 67.1

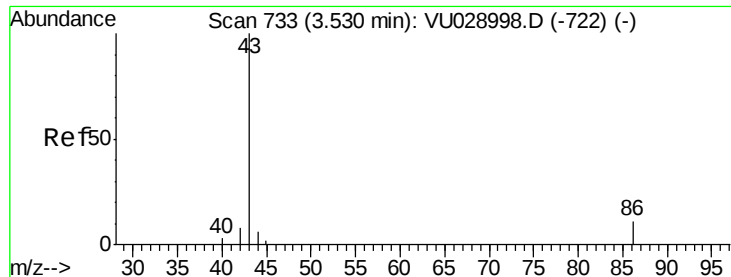
87 26.8 22.2 33.2

59 11.8 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: 100.905 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

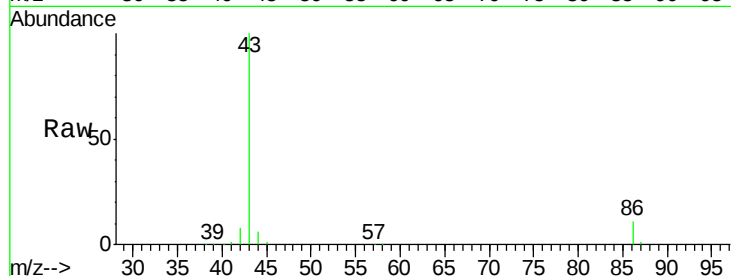
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 402602

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU029003.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029003.D (-637) (-)

3.52

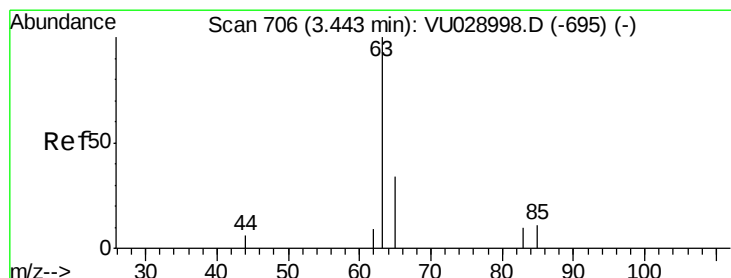
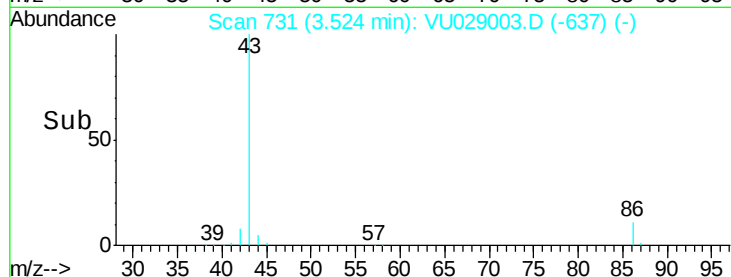
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.123 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

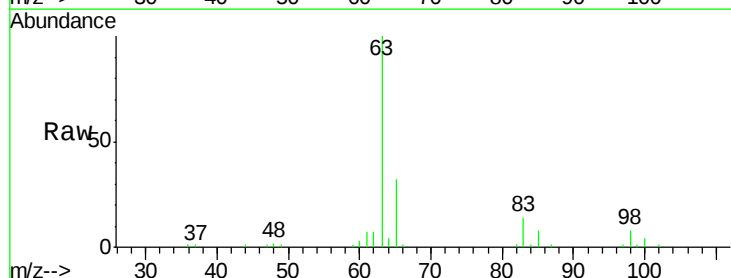
Tgt Ion: 63 Resp: 56695

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029003.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029003.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029003.D (-613) (-)

3.44

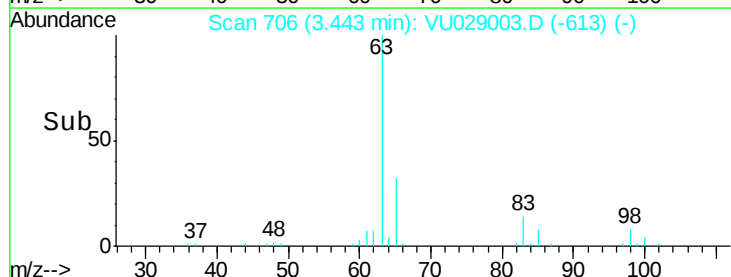
30000

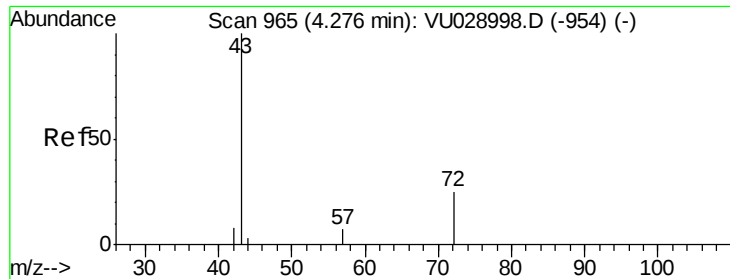
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.070 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

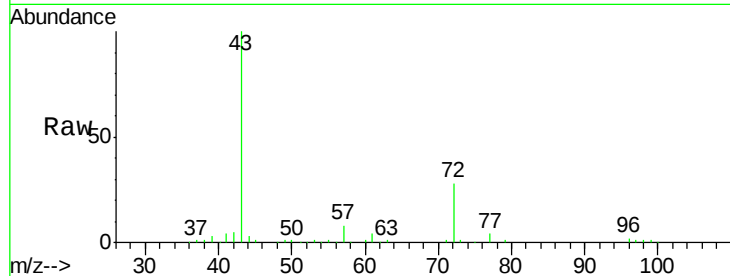
ClientSampled :

Tot Ion: 43 Resp: 133859

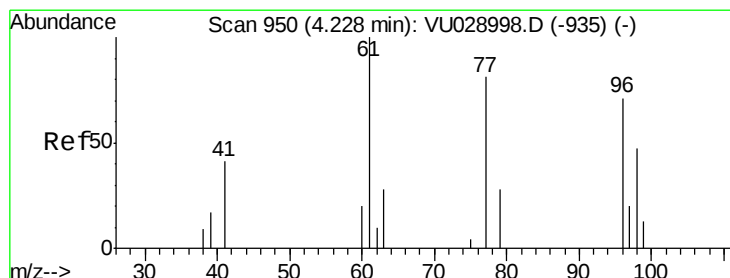
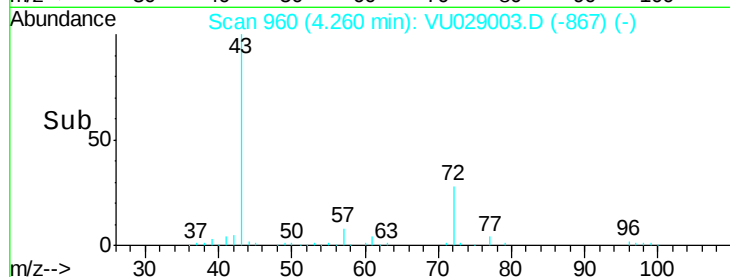
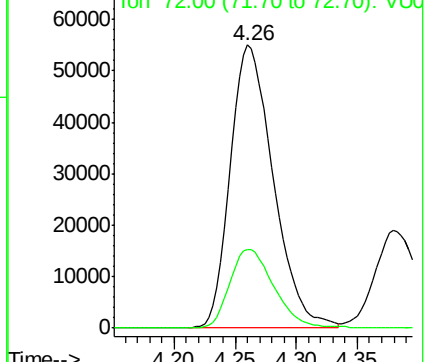
Ion Ratio Lower Upper

43 100

72 28.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 19.586 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029003.D

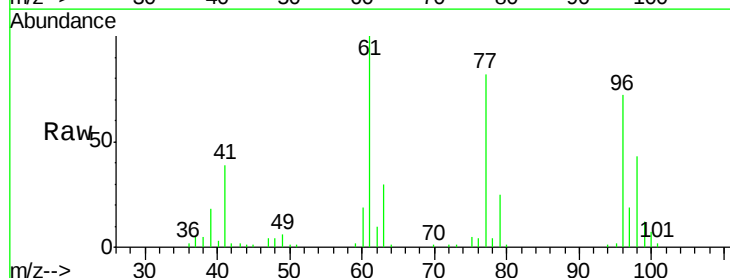
Acq: 03 Jan 2019 17:36

Tgt Ion: 77 Resp: 44588

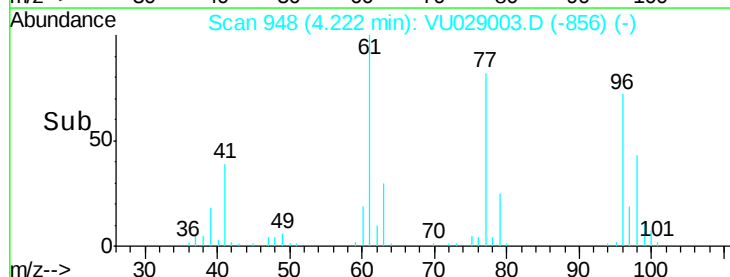
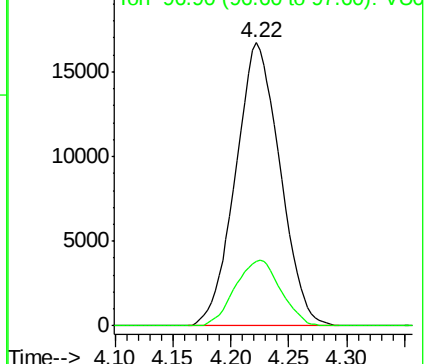
Ion Ratio Lower Upper

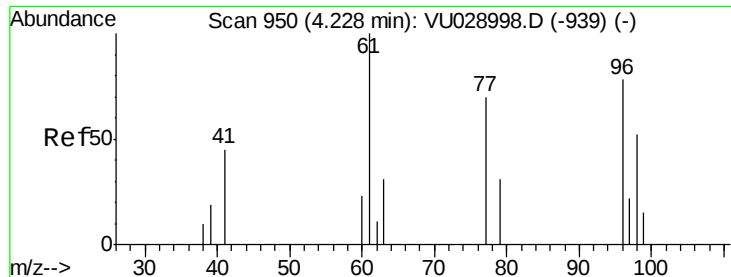
77 100

97 23.8 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028998.D (-935) (-)



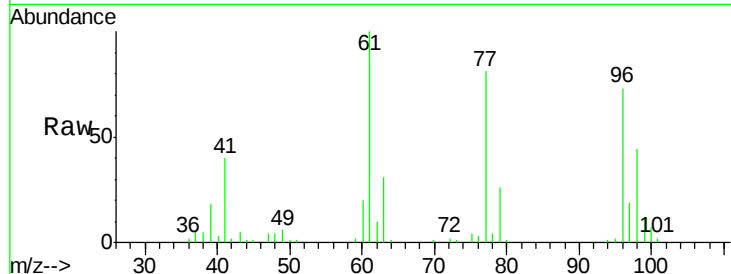


#27

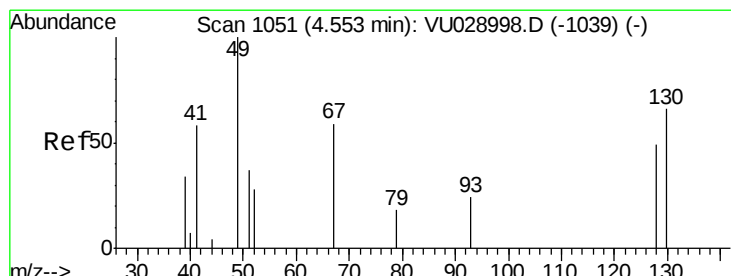
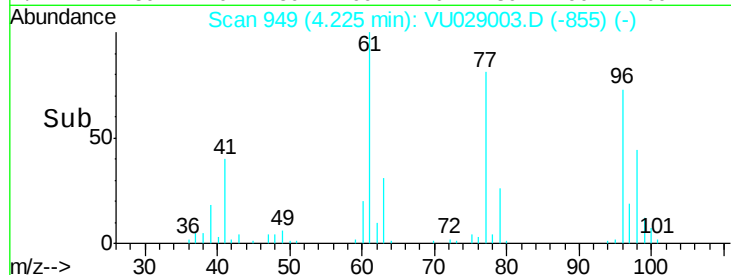
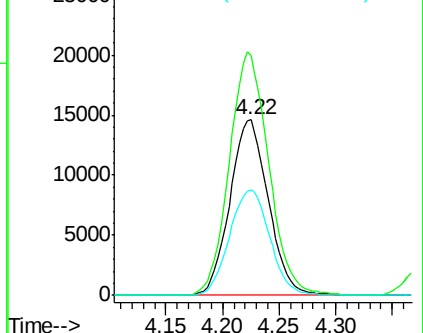
cis-1,2-Dichloroethene
Concen: 20.183 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 34518
Ion Ratio Lower Upper
96 100
61 142.0 0.0 285.6
98 62.8 0.0 130.2



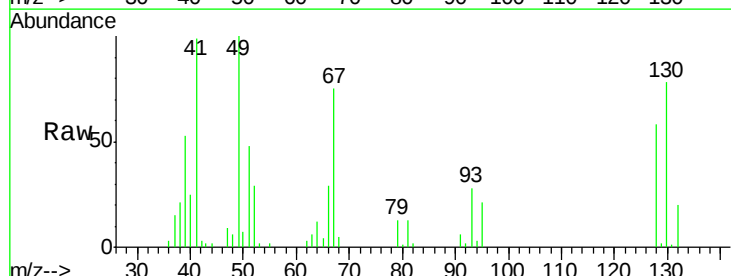
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



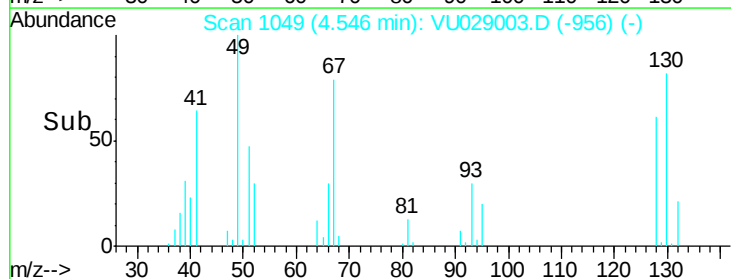
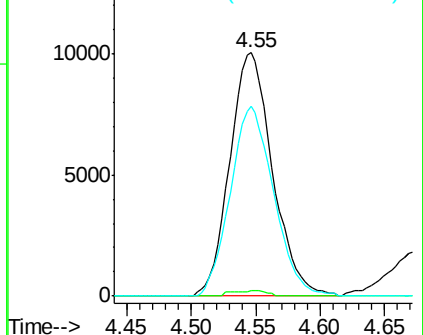
#28

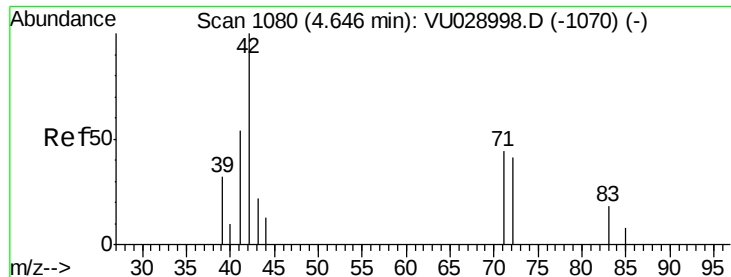
Bromochloromethane
Concen: 19.191 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 49 Resp: 23152
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.4
130 79.2 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: 104.045 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampled :

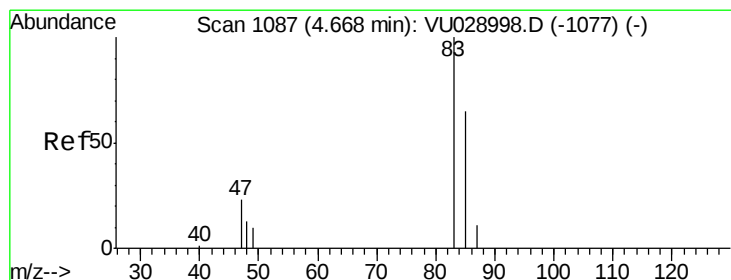
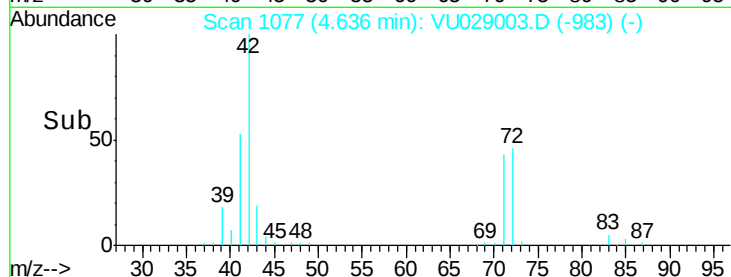
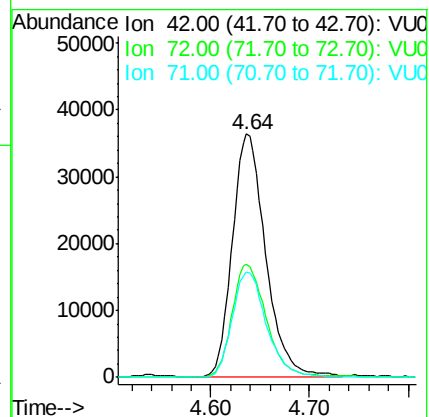
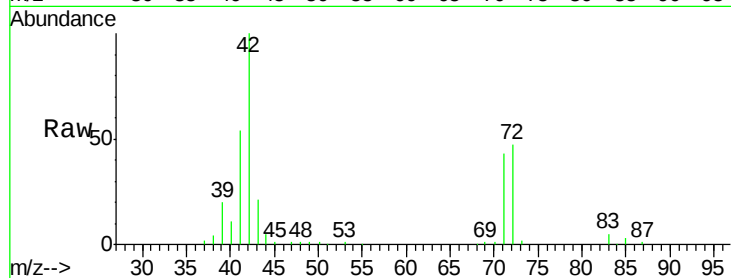
Tot Ion: 42 Resp: 86134

Ion Ratio Lower Upper

42 100

72 47.6 38.3 57.5

71 44.4 36.1 54.1



#30

Chloroform

Concen: 20.166 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029003.D

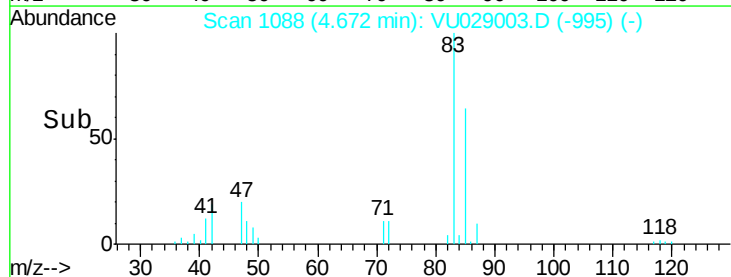
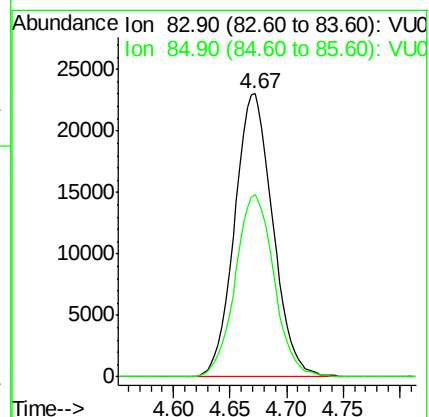
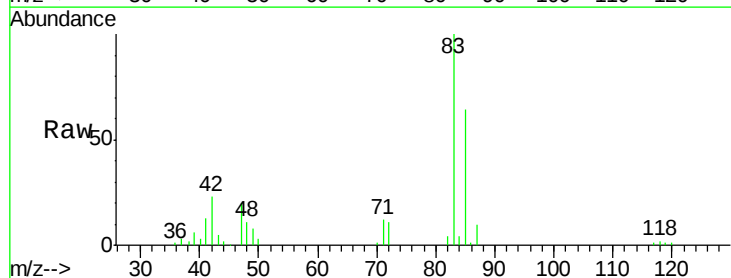
Acq: 03 Jan 2019 17:36

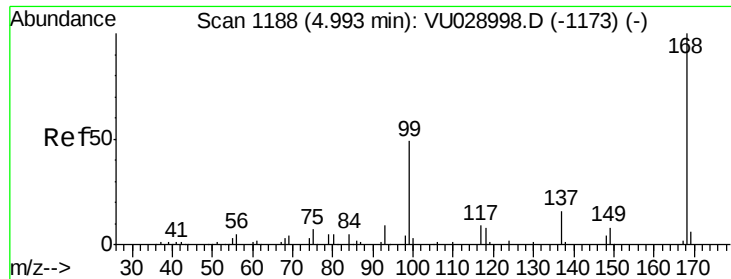
Tgt Ion: 83 Resp: 54117

Ion Ratio Lower Upper

83 100

85 64.4 53.4 80.0

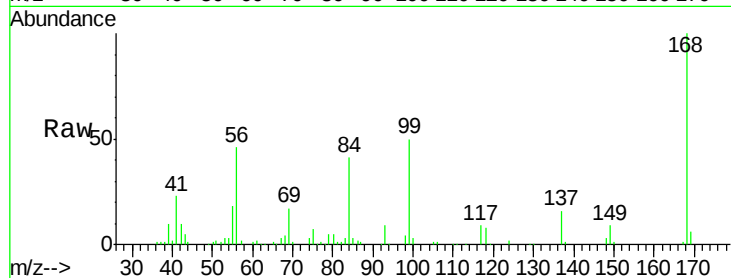




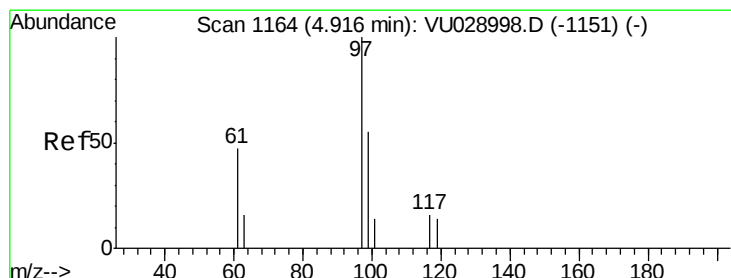
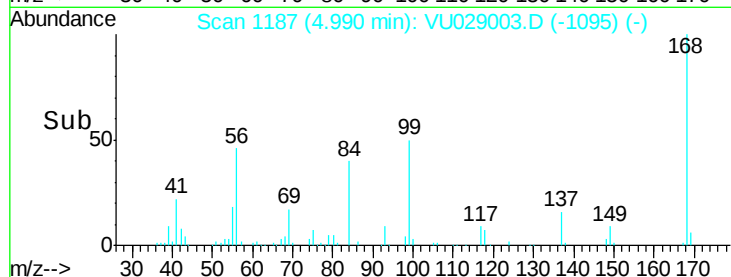
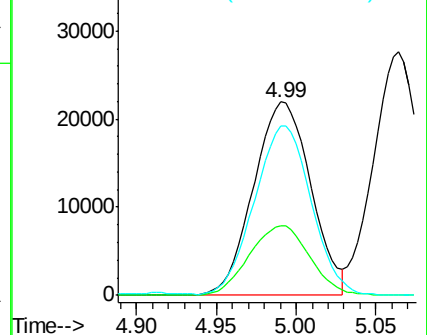
#31
Cyclohexane
Concen: 19.789 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 54435
Ion Ratio Lower Upper
56 100
69 36.0 26.7 40.1
84 87.1 65.7 98.5

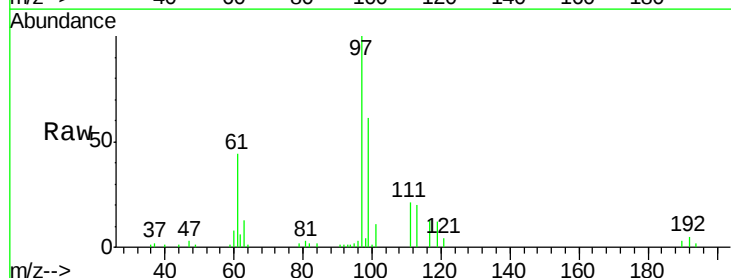


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

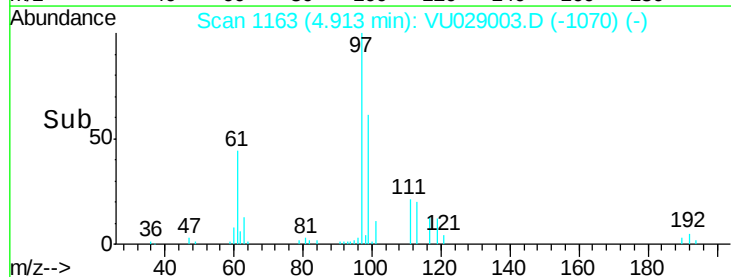
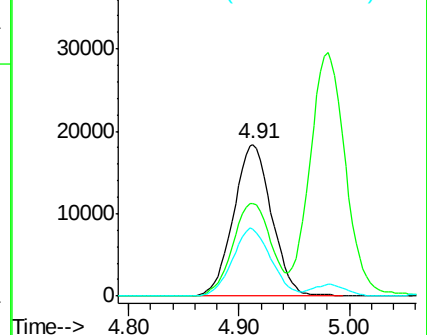


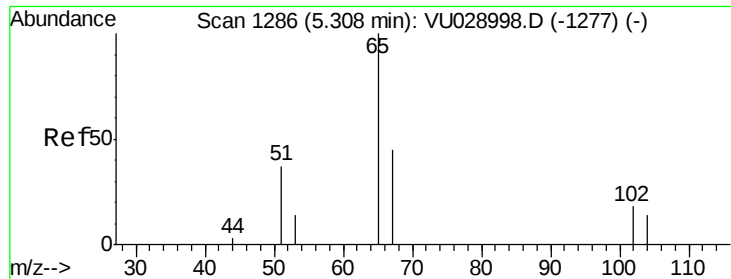
#32
1,1,1-Trichloroethane
Concen: 19.844 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 97 Resp: 44002
Ion Ratio Lower Upper
97 100
99 61.4 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

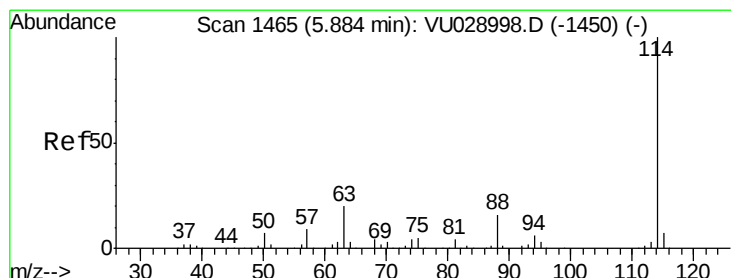
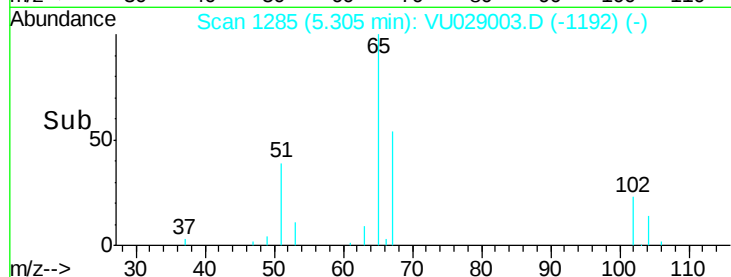
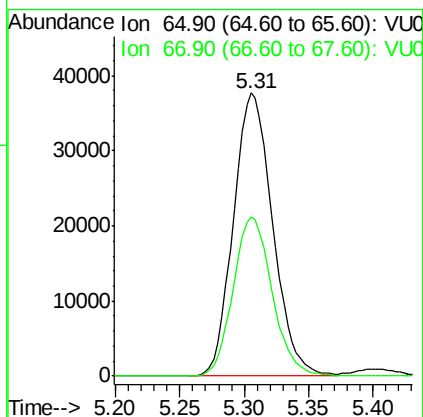
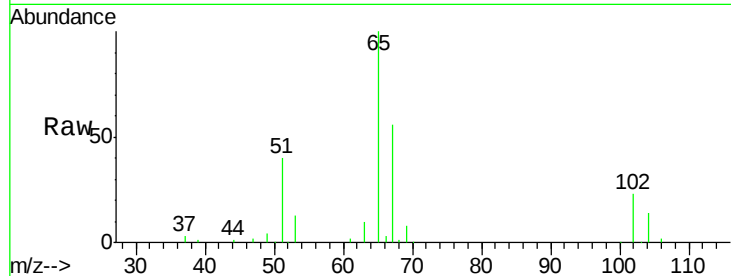




#33
 1,2-Dichloroethane-d4
 Concen: 49.856 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

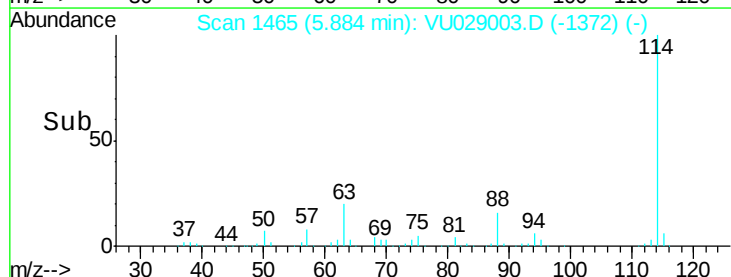
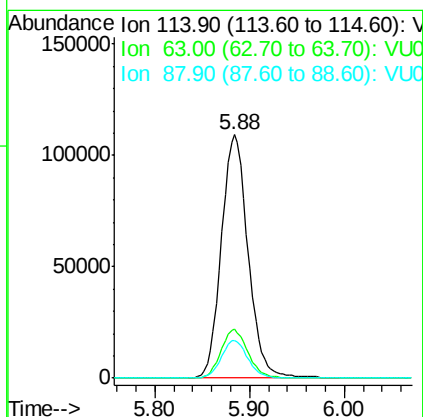
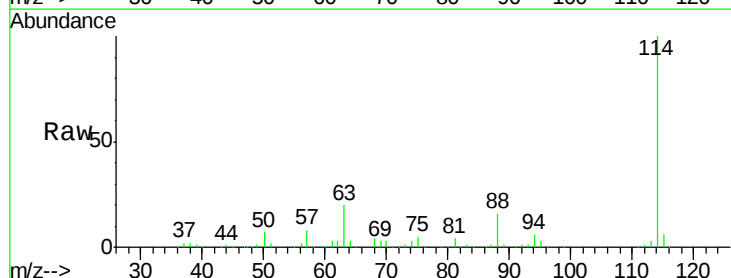
Instrument :
 MSVOA_U
 ClientSampleId :

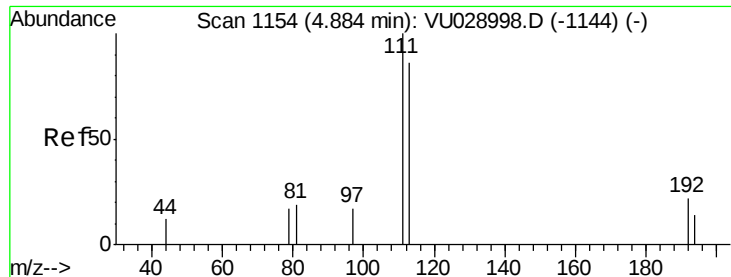
Tot Ion: 65 Resp: 79978
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 114 Resp: 214836
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.6 0.0 30.4

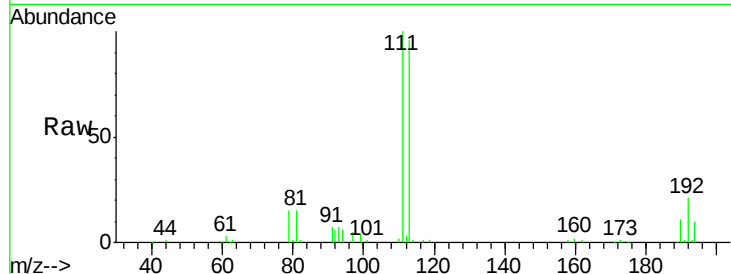




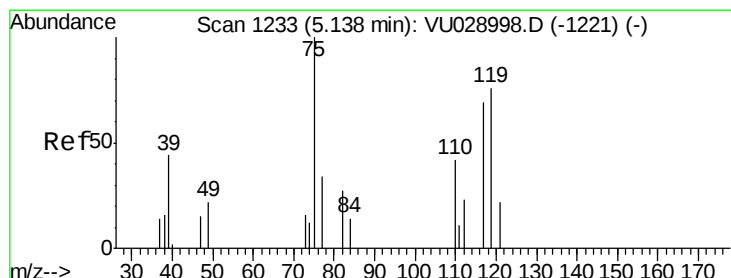
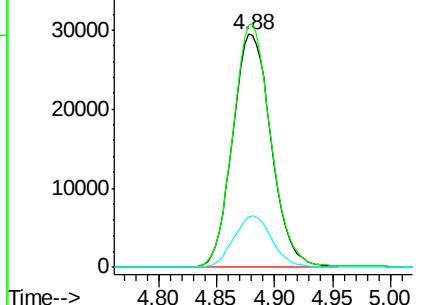
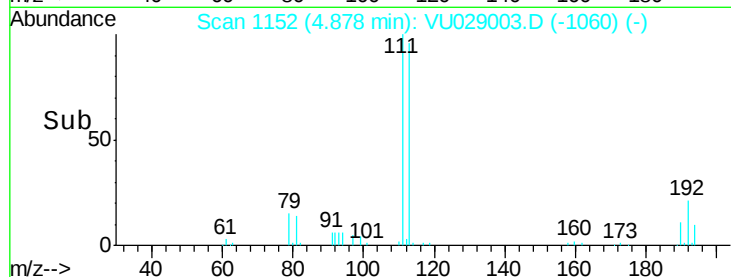
#35
 Dibromofluoromethane
 Concen: 49.151 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 68449
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 21.7 16.8 25.2

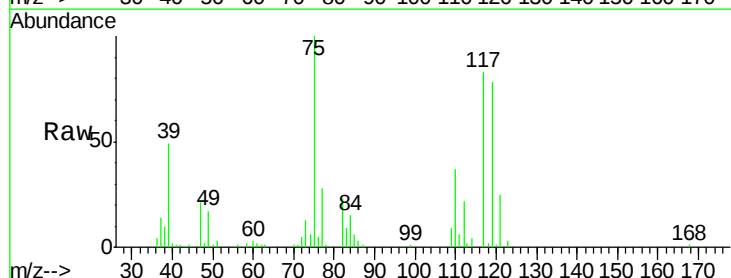


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

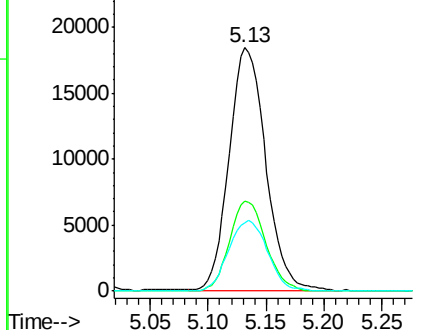
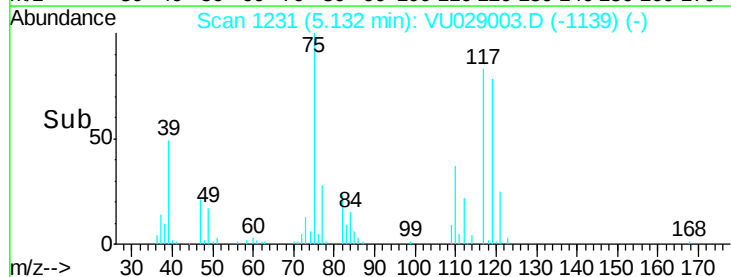


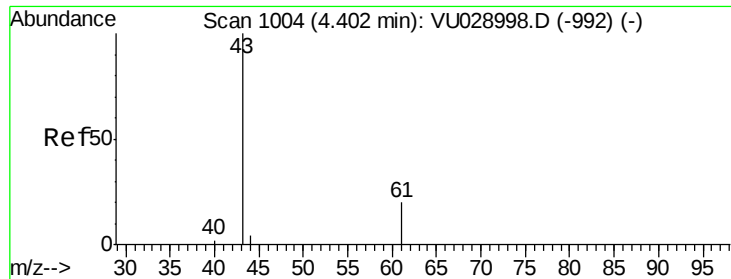
#36
 1,1-Dichloropropene
 Concen: 18.902 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 75 Resp: 40589
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.4 55.4
 77 30.7 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

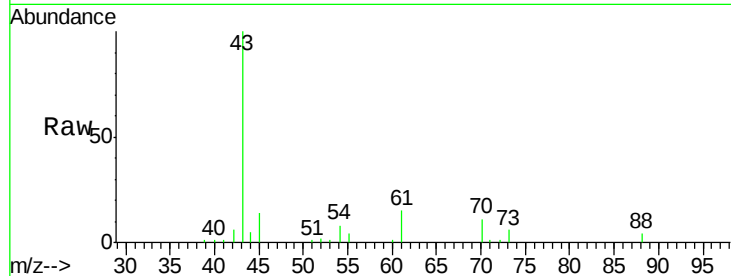




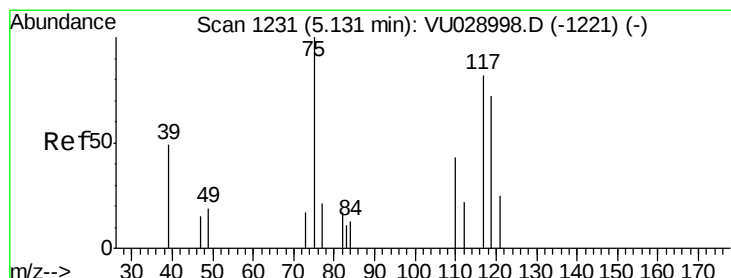
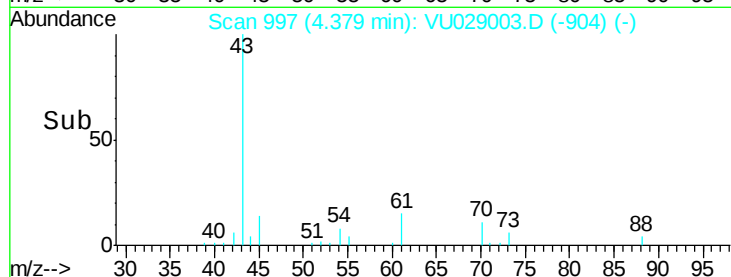
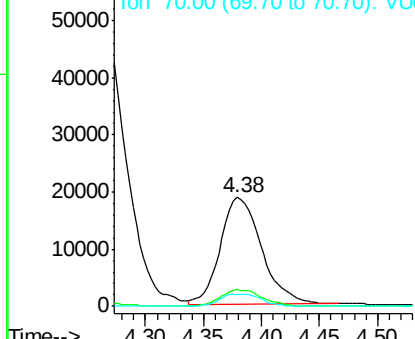
#37
Ethyl Acetate
Concen: 19.711 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 46461
Ion Ratio Lower Upper
43 100
61 15.9 12.6 18.8
70 11.7 9.3 13.9

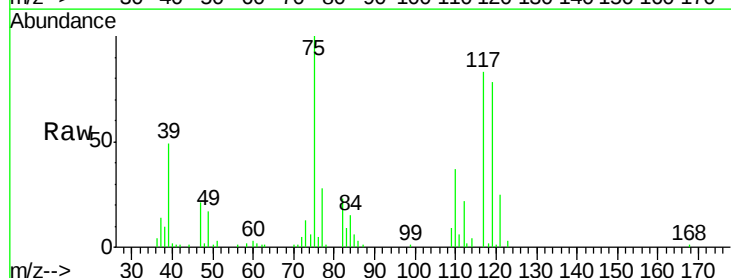


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

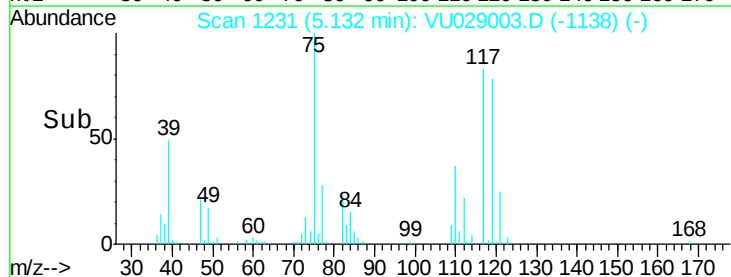
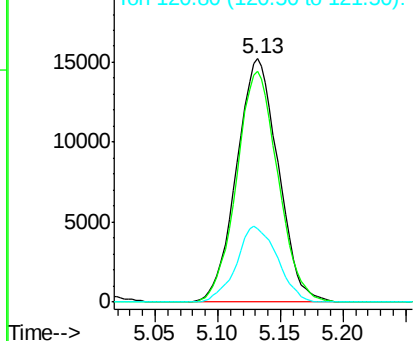


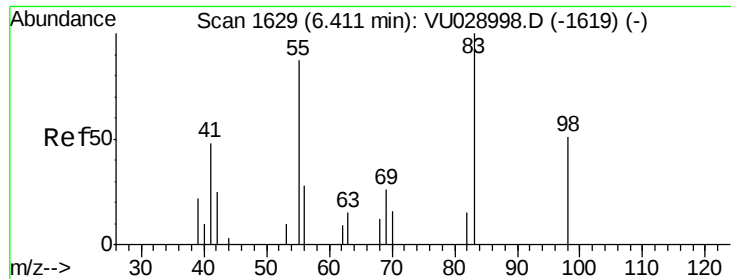
#38
Carbon Tetrachloride
Concen: 19.647 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 117 Resp: 35188
Ion Ratio Lower Upper
117 100
119 94.7 74.6 111.8
121 30.2 25.0 37.6



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

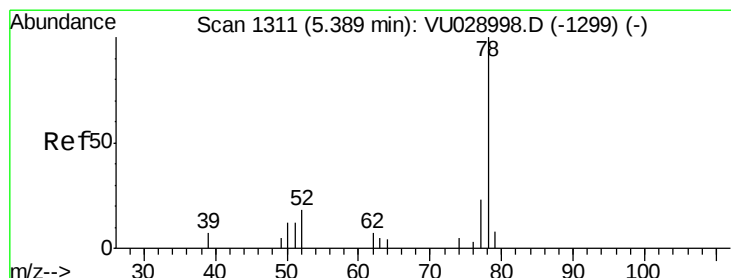
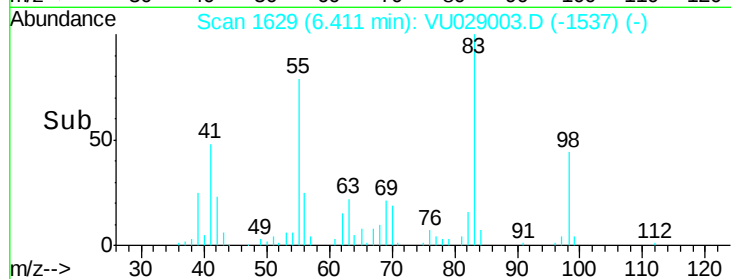
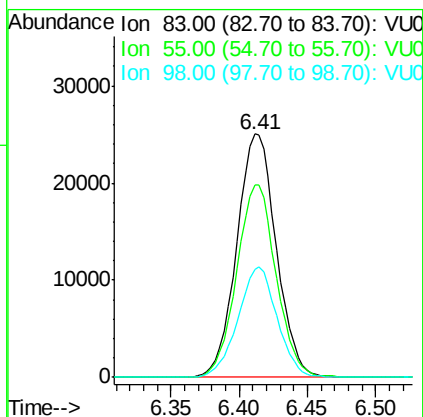
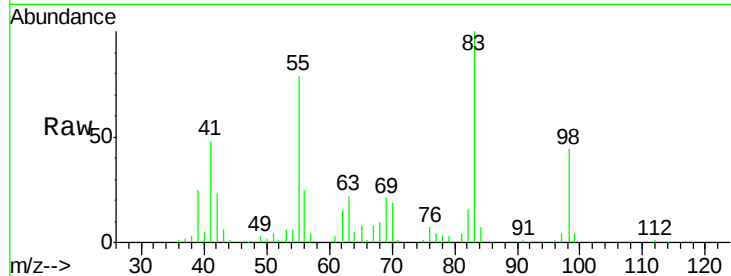




#39
Methvlcvclohexane
Concen: 19.068 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

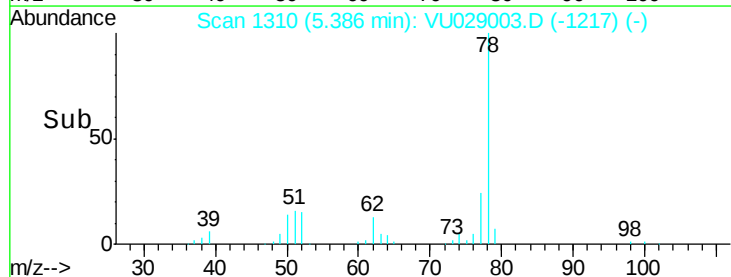
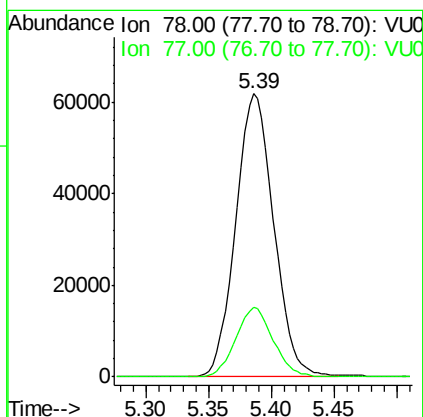
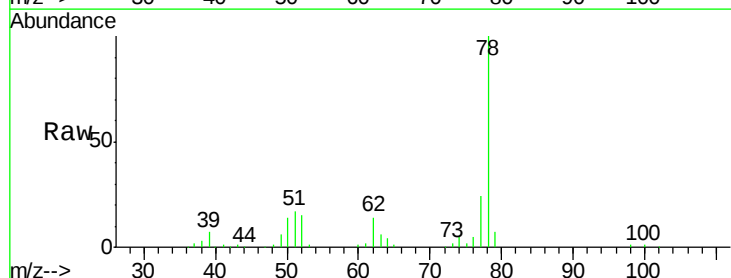
Instrument :
MSVOA_U
ClientSampleId :

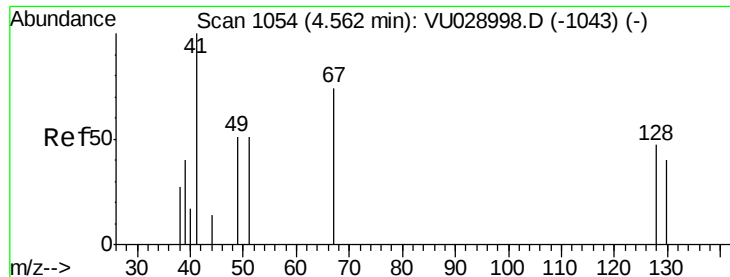
Tot Ion: 83 Resp: 50339
Ion Ratio Lower Upper
83 100
55 79.2 62.4 93.6
98 44.4 36.2 54.2



#40
Benzene
Concen: 19.438 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 78 Resp: 130204
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3

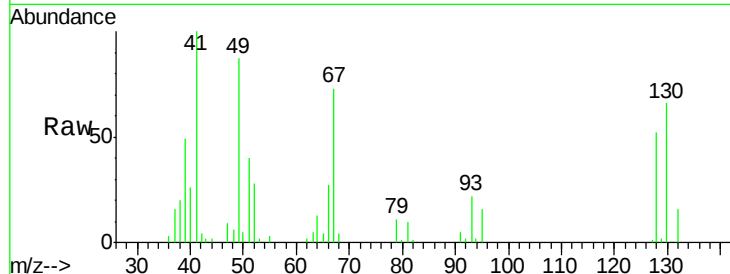




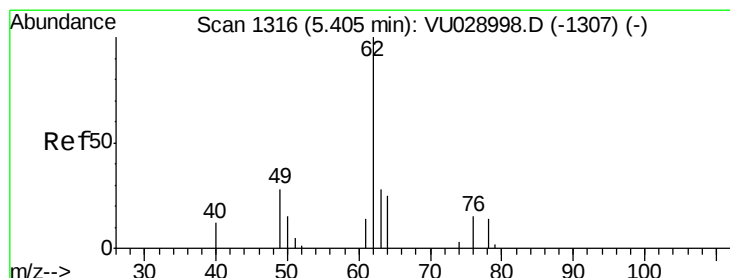
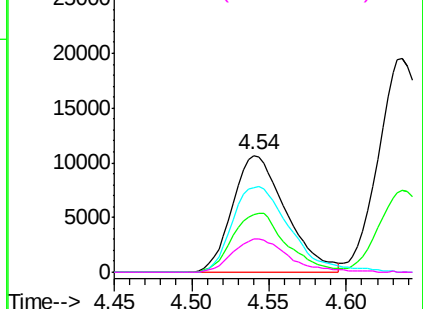
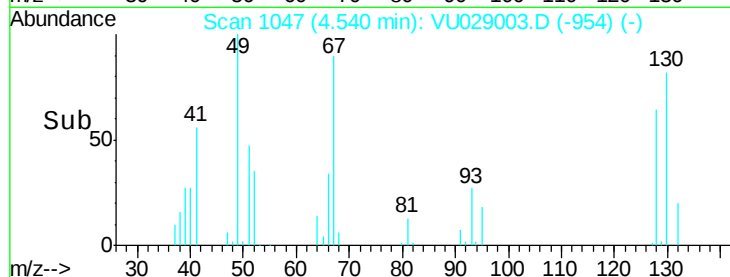
#41
Methacrylonitrile
Concen: 20.351 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	25677
Ion	Ratio	Lower	Upper
41	100		
39	50.7	42.3	63.5
67	79.2	64.4	96.6
52	29.7	23.9	35.9

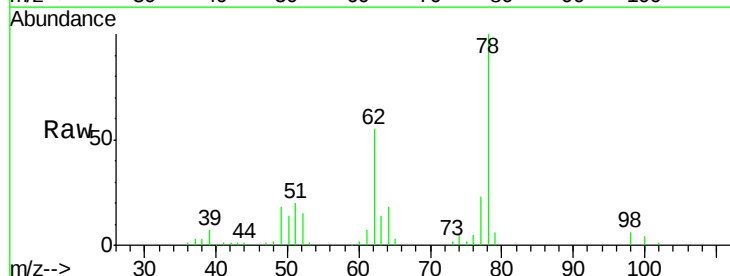


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

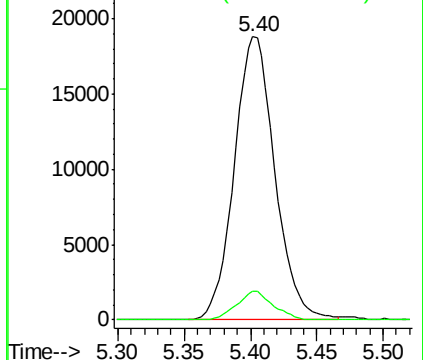
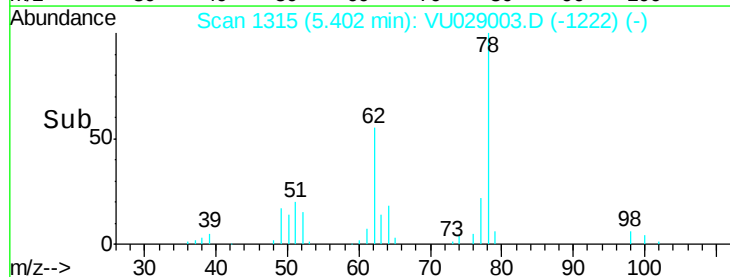


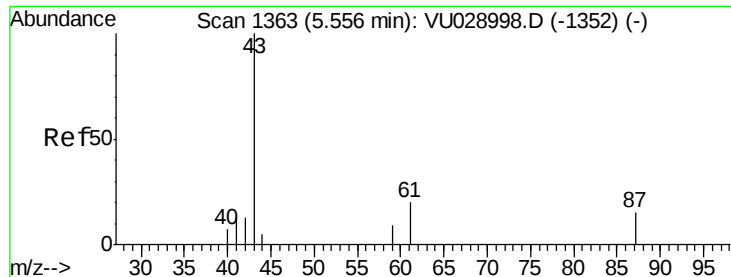
#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:	62	Resp:	40032
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 20.508 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

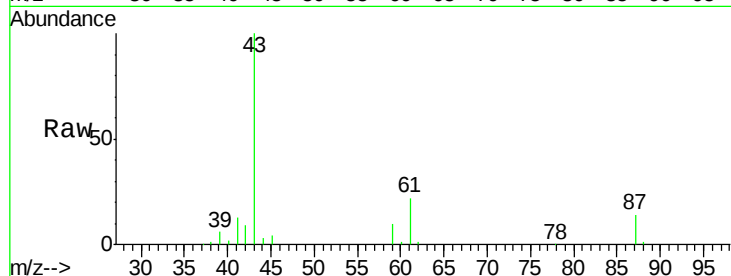
Tot Ion: 43 Resp: 74152

Ion Ratio Lower Upper

43 100

61 22.1 17.8 26.6

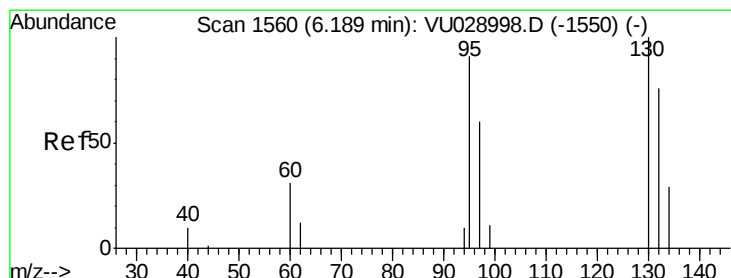
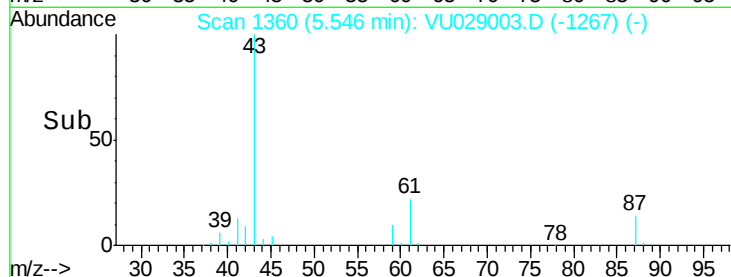
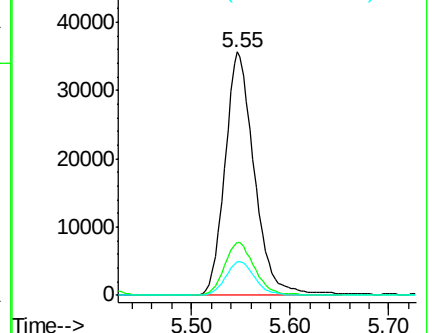
87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 19.014 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029003.D

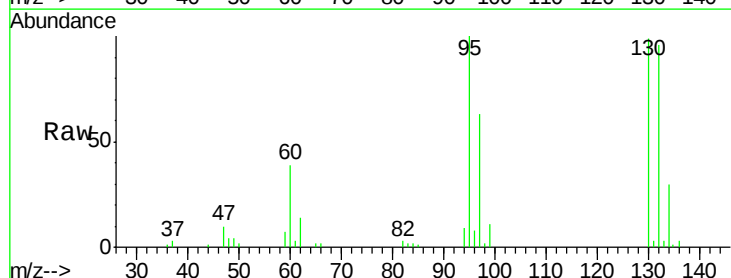
Acq: 03 Jan 2019 17:36

Tgt Ion:130 Resp: 31557

Ion Ratio Lower Upper

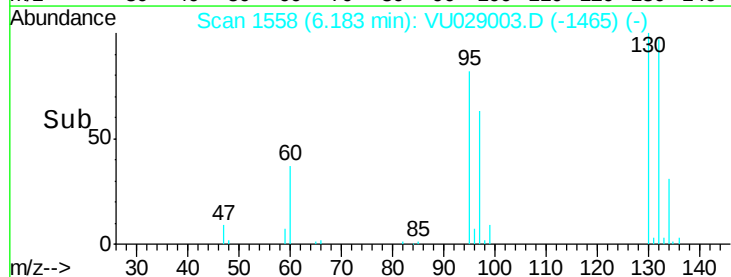
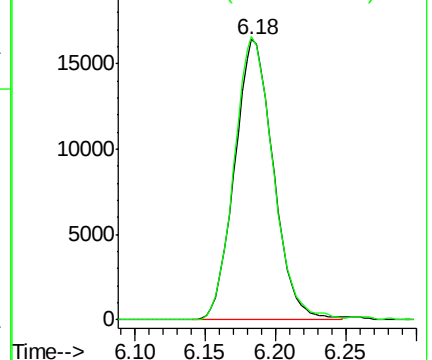
130 100

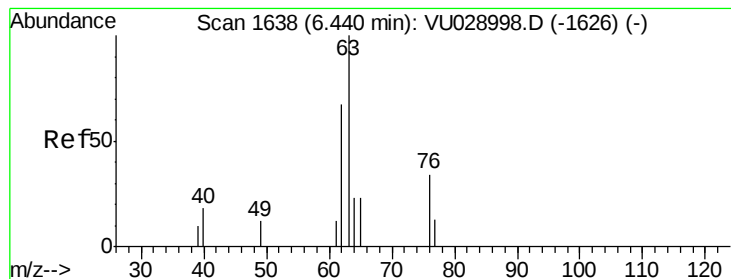
95 101.0 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)





#45

1,2-Dichloropropane

Concen: 19.888 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

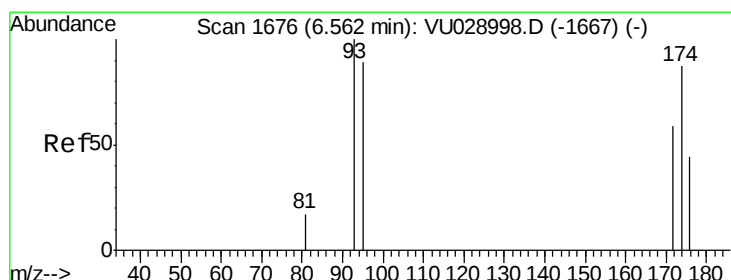
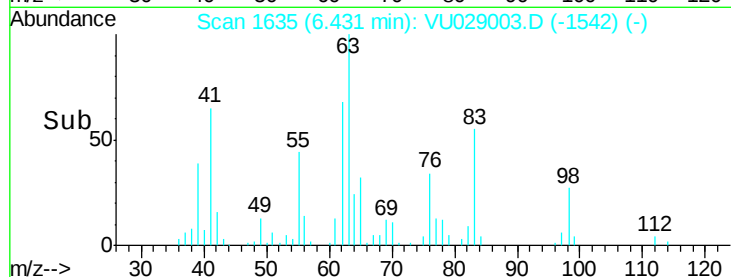
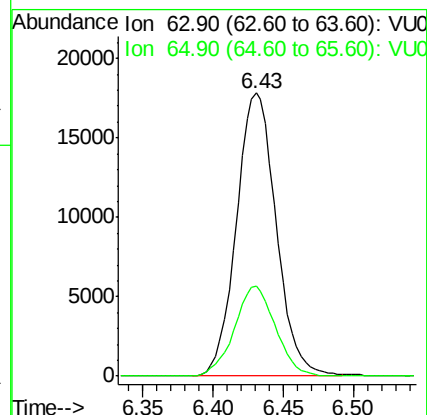
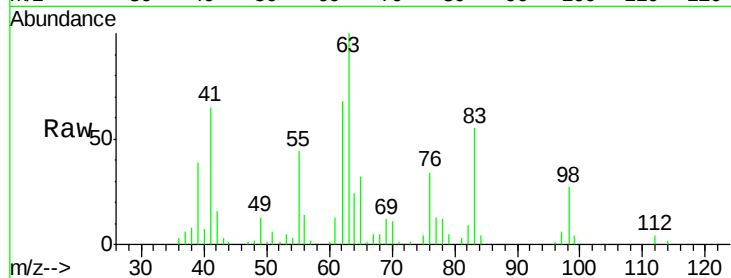
ClientSampled :

Tot Ion: 63 Resp: 35179

Ion Ratio Lower Upper

63 100

65 31.8 25.1 37.7



#46

Dibromomethane

Concen: 20.002 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

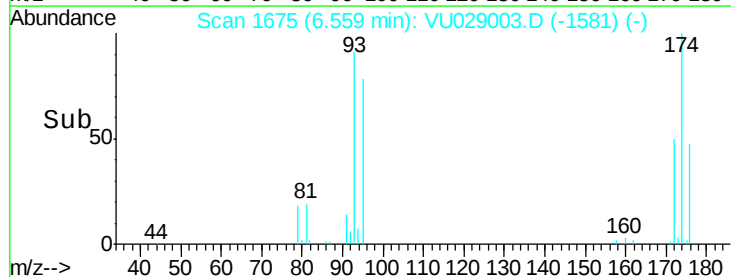
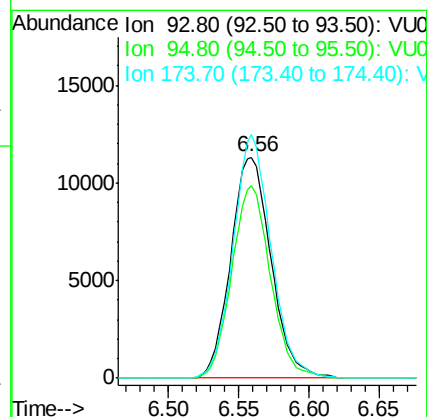
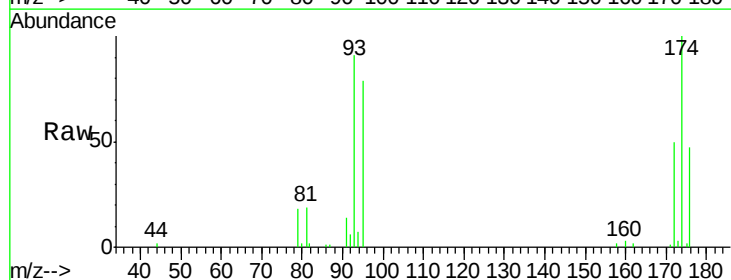
Tgt Ion: 93 Resp: 22618

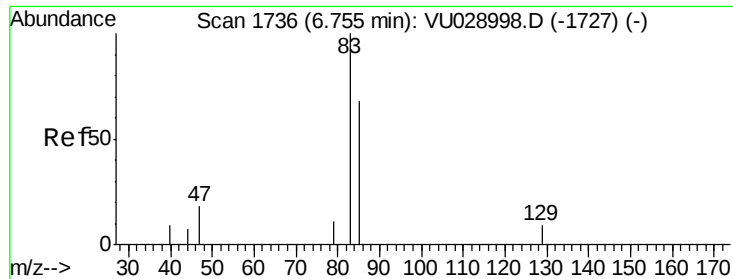
Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

174 104.0 82.6 123.8

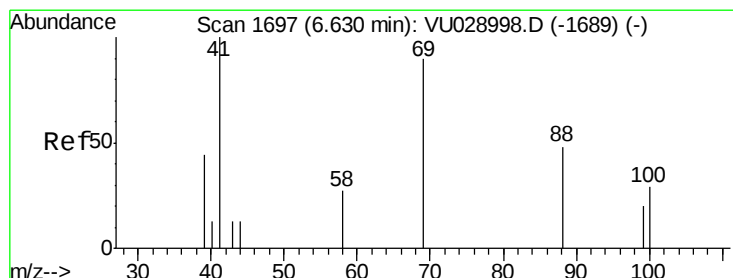
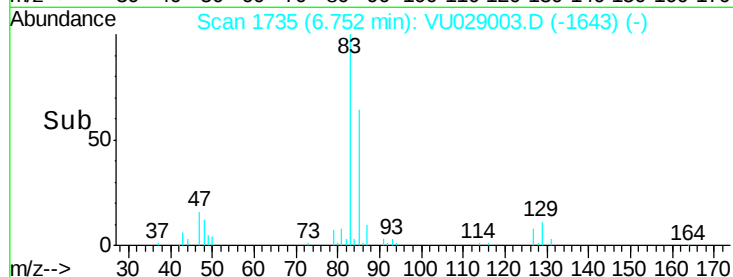
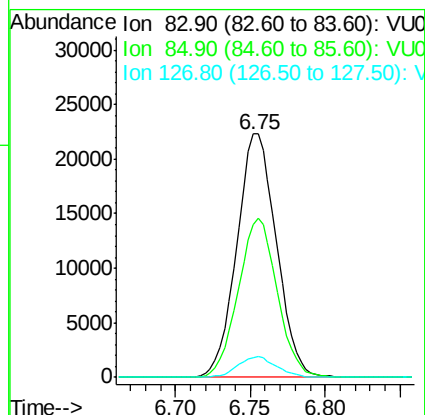
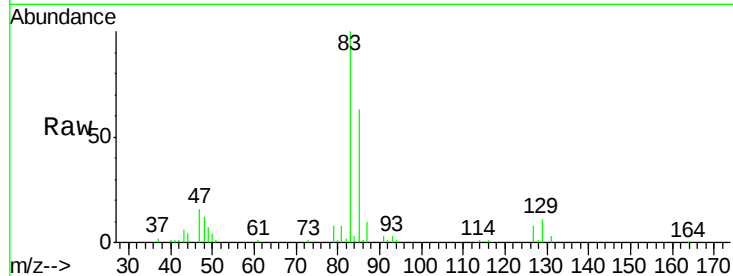




#47
Bromodichloromethane
Concen: 19.742 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

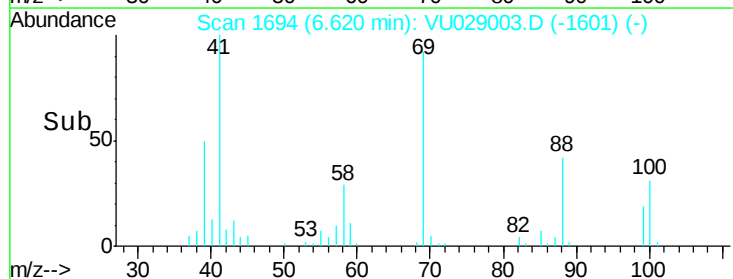
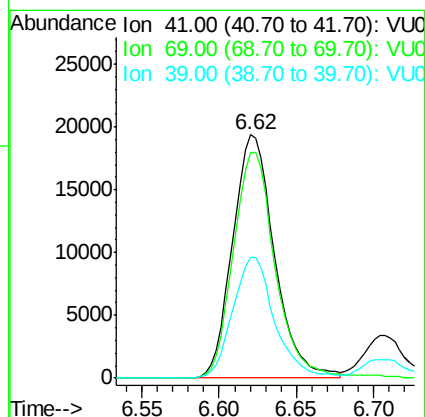
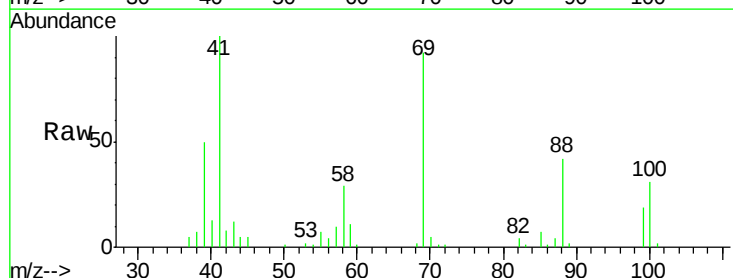
Instrument :
MSVOA_U
ClientSampleId :

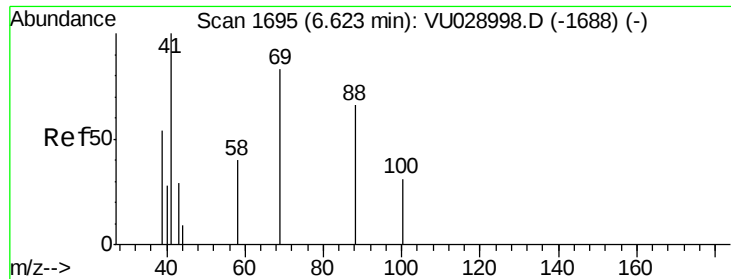
Tot Ion: 83 Resp: 41102
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.2
127 8.1 7.0 10.4



#48
Methyl methacrylate
Concen: 20.706 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 41 Resp: 36456
Ion Ratio Lower Upper
41 100
69 93.3 73.6 110.4
39 49.6 39.6 59.4

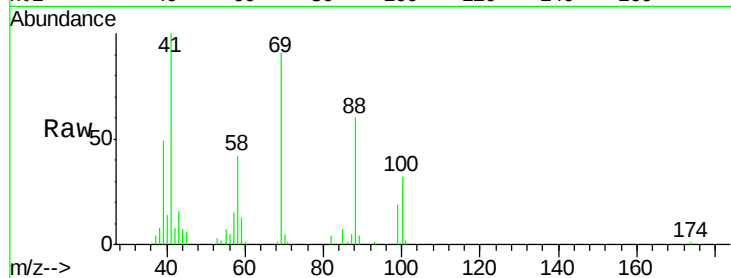




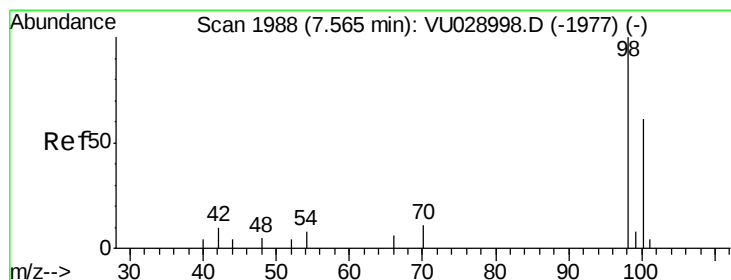
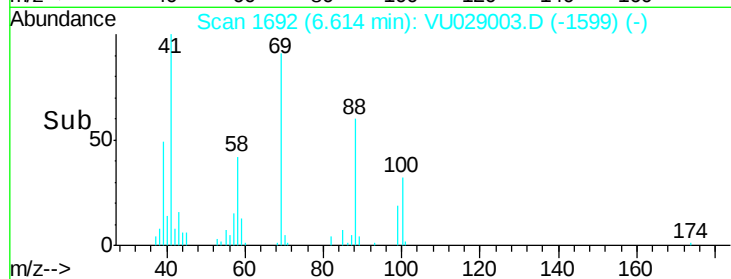
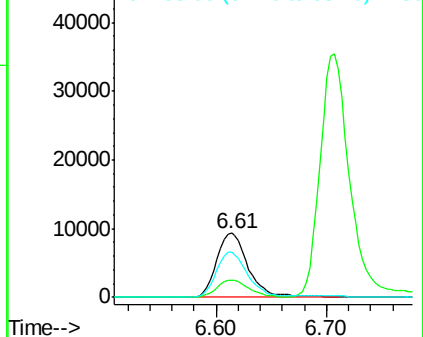
#49
1,4-Dioxane
Concen: 446.891 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 18646
Ion Ratio Lower Upper
88 100
43 28.0 23.0 34.4
58 69.2 57.9 86.9

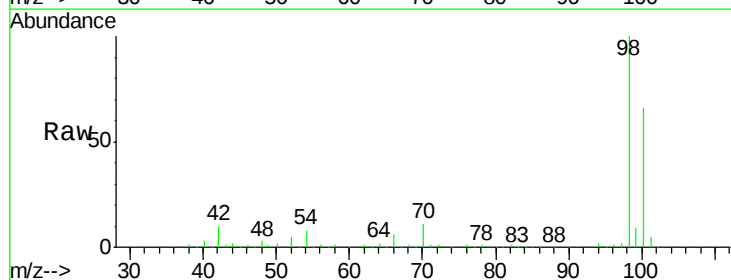


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

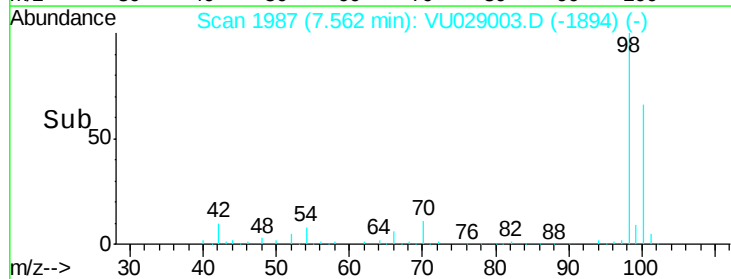
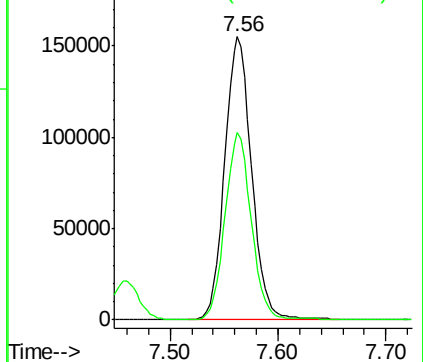


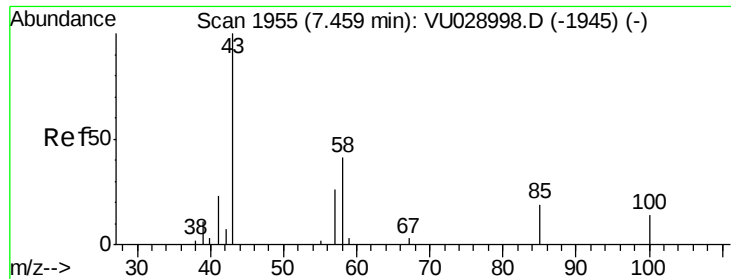
#50
Toluene-d8
Concen: 48.984 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 98 Resp: 269310
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 100.841 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

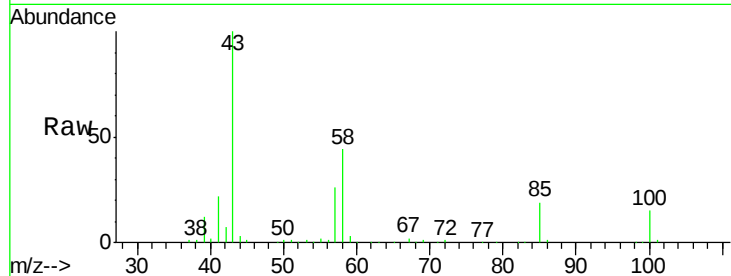
ClientSampleId :

Tot Ion: 43 Resp: 248145

Ion Ratio Lower Upper

43 100

58 43.1 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1945) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-1945) (-)

7.46

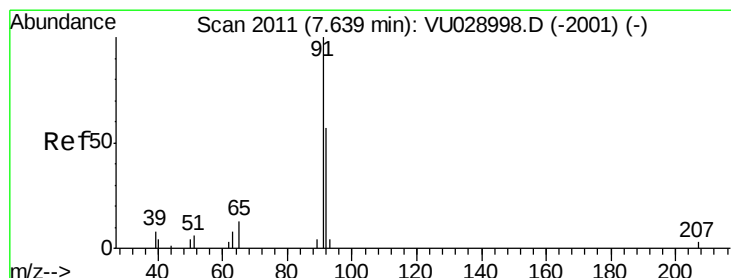
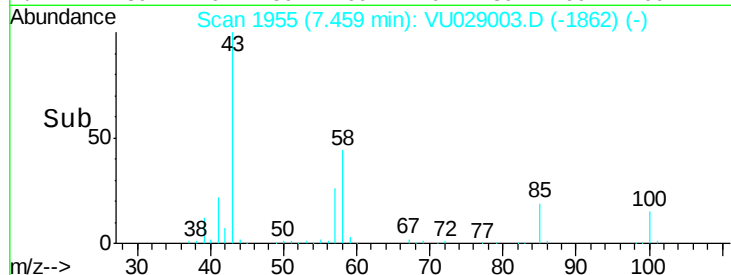
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.809 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029003.D

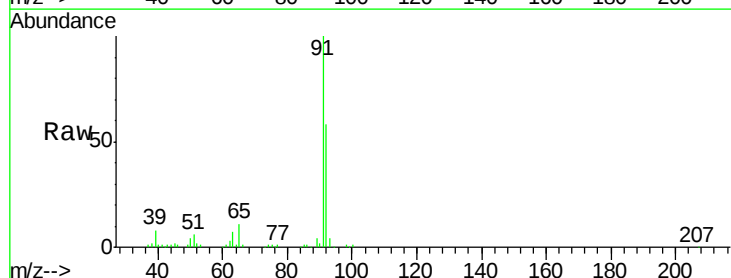
Acq: 03 Jan 2019 17:36

Tgt Ion: 92 Resp: 80774

Ion Ratio Lower Upper

92 100

91 171.1 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028998.D (-2001) (-)

Ion 91.00 (90.70 to 91.70): VU028998.D (-2001) (-)

7.64

80000

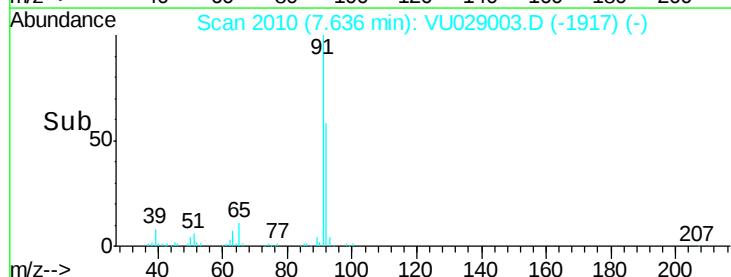
60000

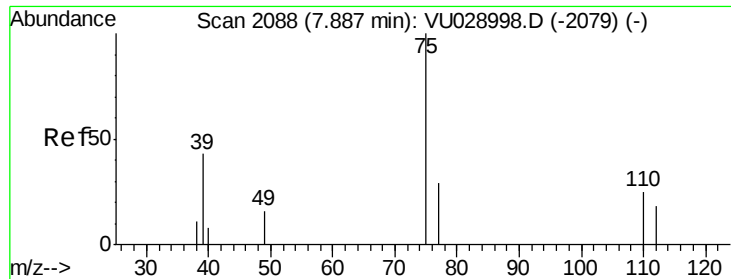
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.980 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

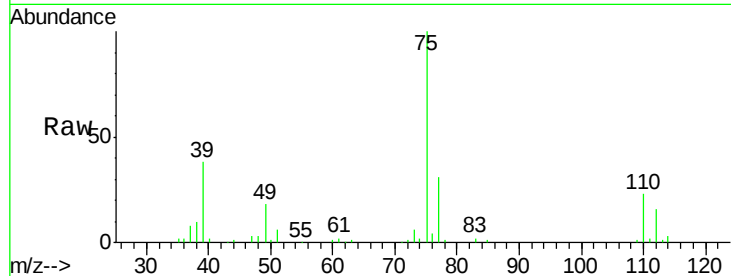
ClientSampleId :

Tot Ion: 75 Resp: 47468

Ion Ratio Lower Upper

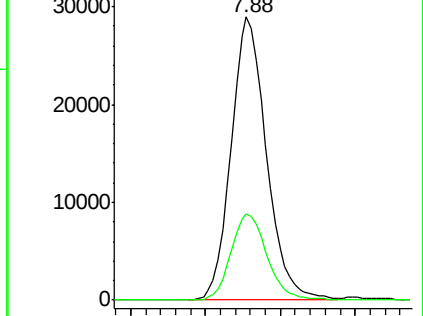
75 100

77 30.5 25.0 37.4

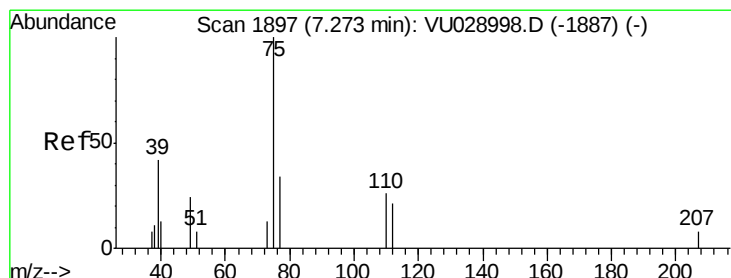
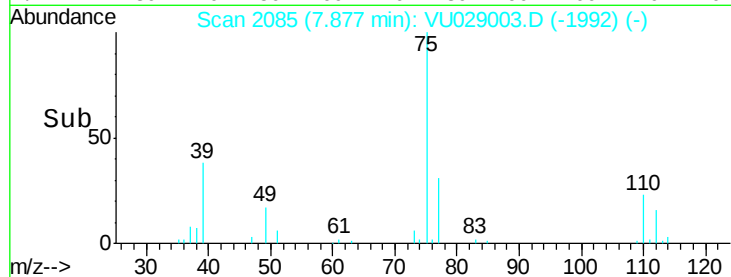


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.198 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

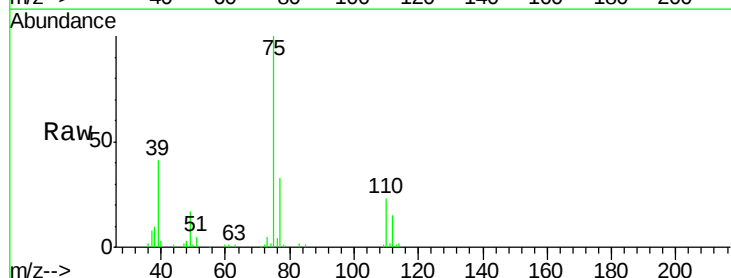
Tgt Ion: 75 Resp: 51882

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.6

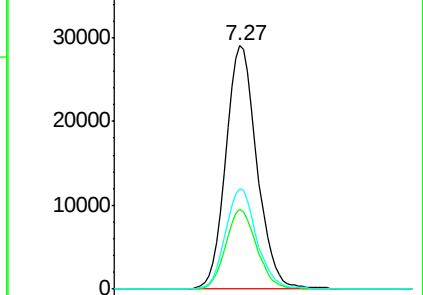
39 41.2 32.2 48.4



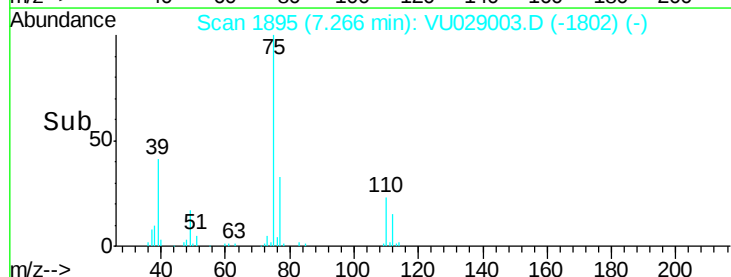
Abundance Ion 74.90 (74.60 to 75.60): VU0

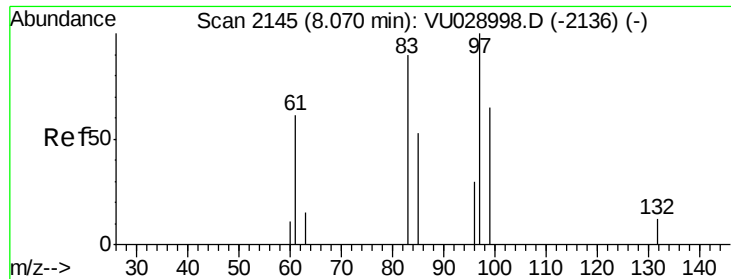
Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->

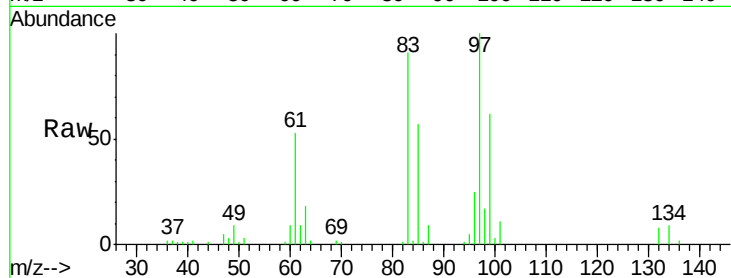




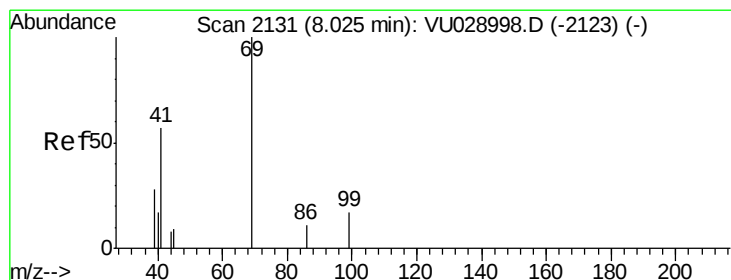
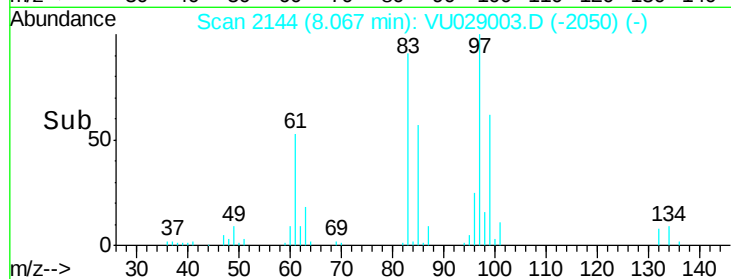
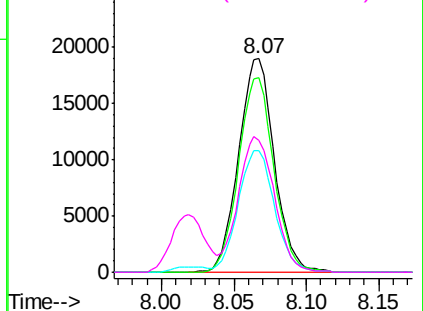
#55
 1,1,2-Trichloroethane
 Concen: 19.969 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 32622
 Ion Ratio Lower Upper
 97 100
 83 91.0 69.8 104.8
 85 57.1 47.3 70.9
 99 62.0 49.7 74.5

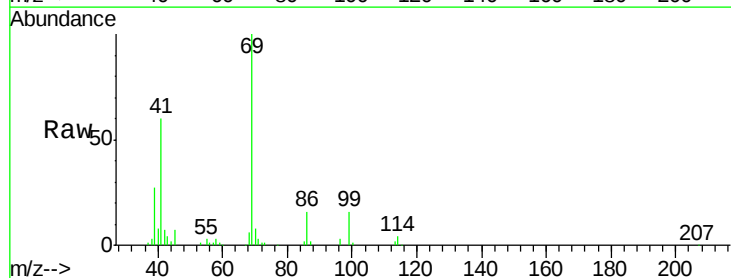


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

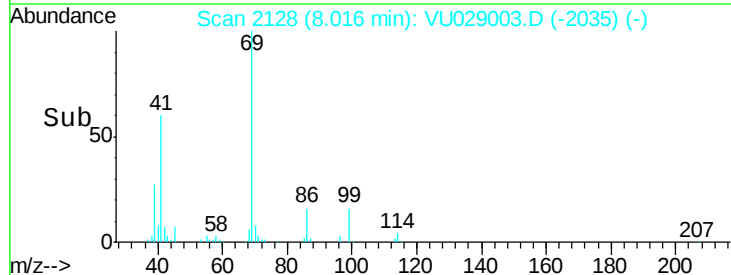
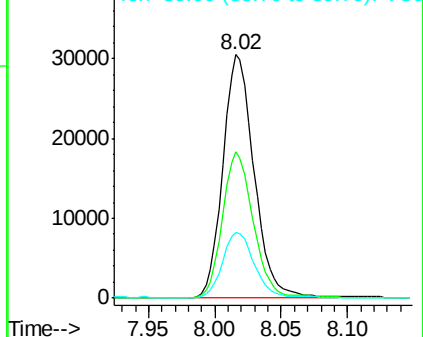


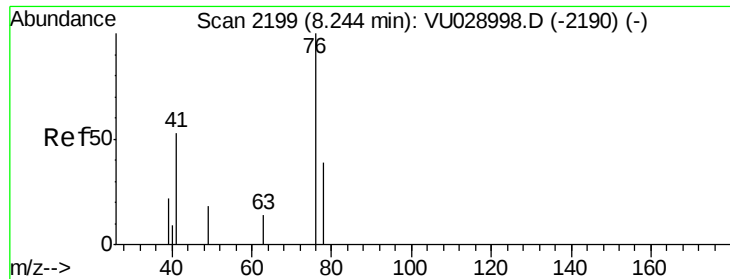
#56
 Ethyl methacrylate
 Concen: 19.892 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 69 Resp: 50064
 Ion Ratio Lower Upper
 69 100
 41 59.6 47.5 71.3
 39 27.8 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: 19.589 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

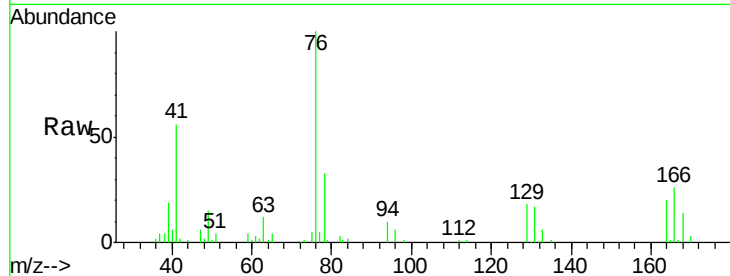
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 54757

Ion Ratio Lower Upper

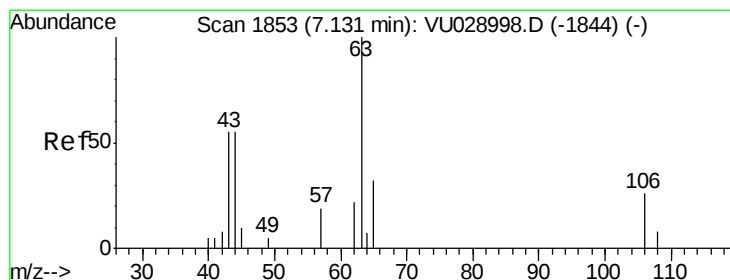
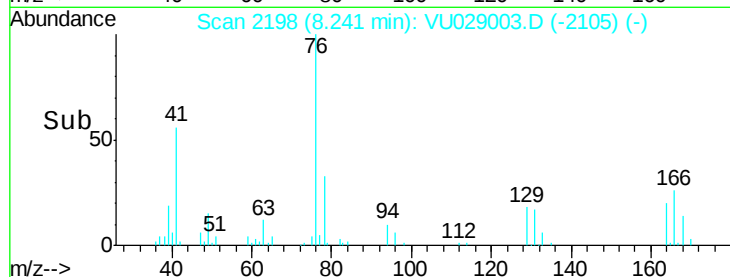
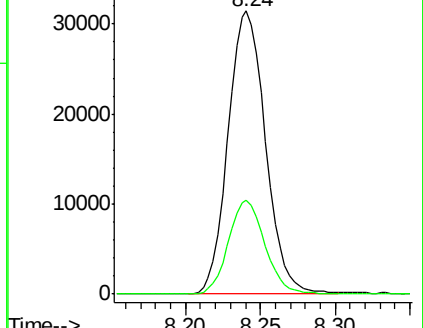
76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-2190) (-)

Ion 77.90 (77.60 to 78.60): VU028998.D (-2190) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 102.558 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029003.D

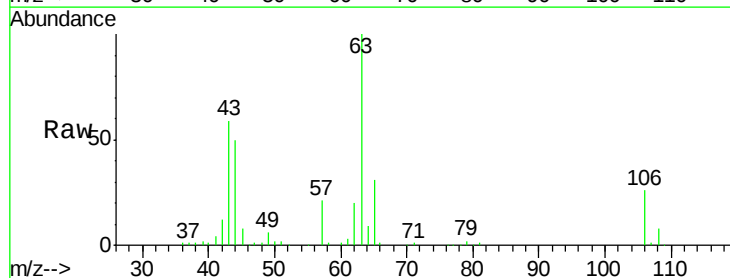
Acq: 03 Jan 2019 17:36

Tgt Ion: 63 Resp: 113513

Ion Ratio Lower Upper

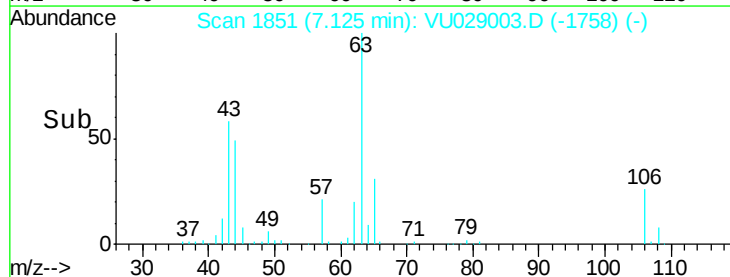
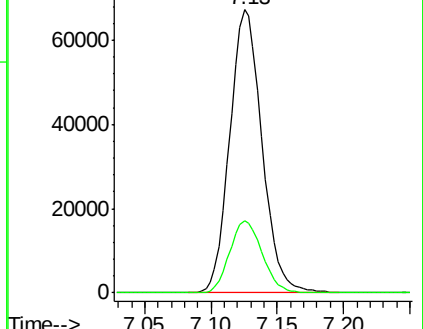
63 100

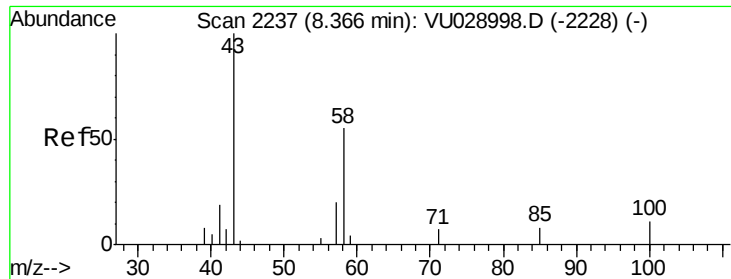
106 25.9 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1844) (-)

Ion 105.90 (105.60 to 106.60): VU028998.D (-1844) (-)

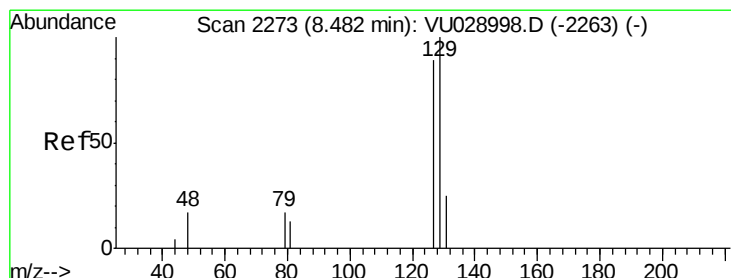
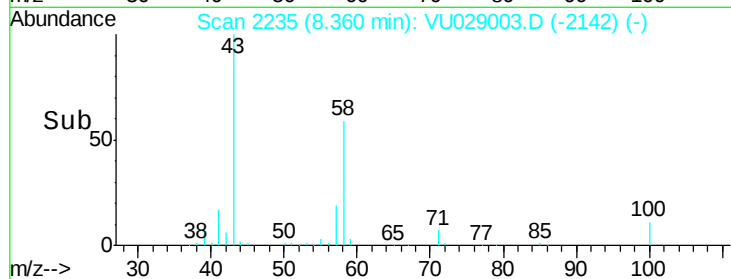
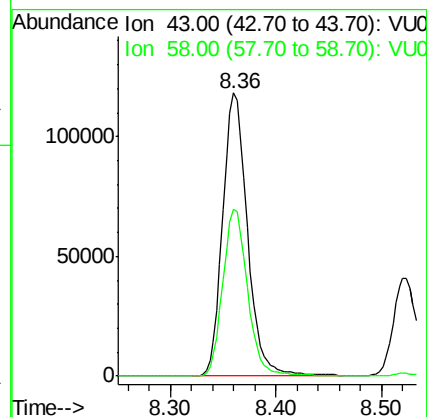
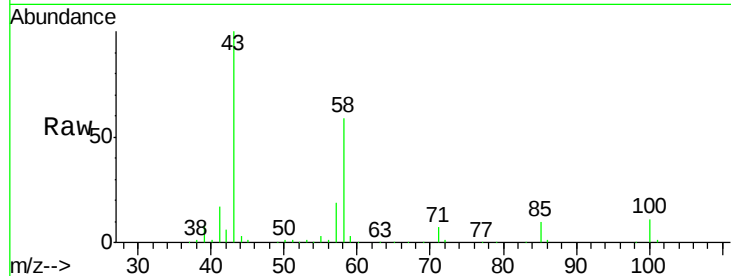




#59
2-Hexanone
Concen: 100.221 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

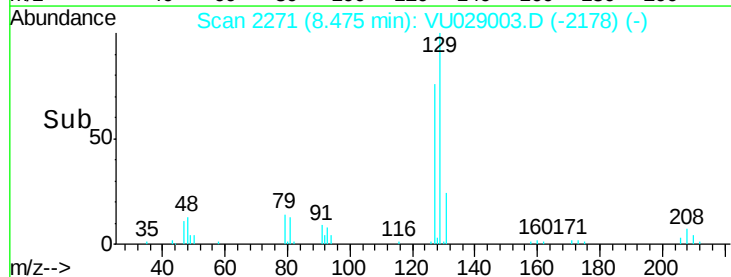
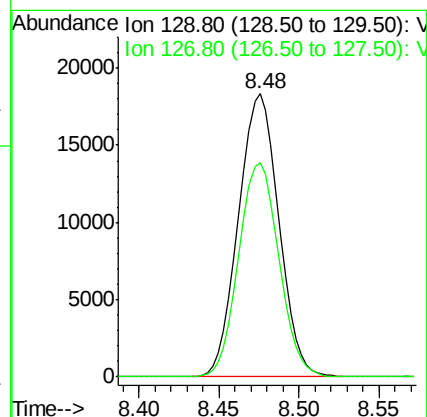
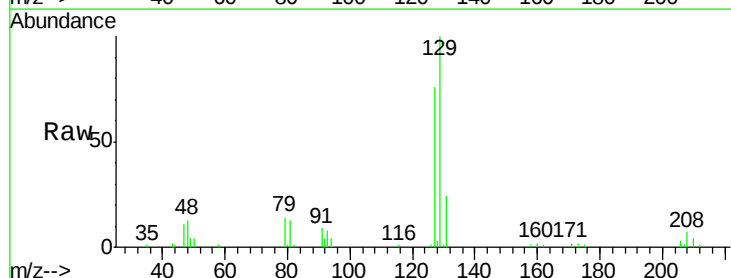
Instrument :
MSVOA_U
ClientSampleId :

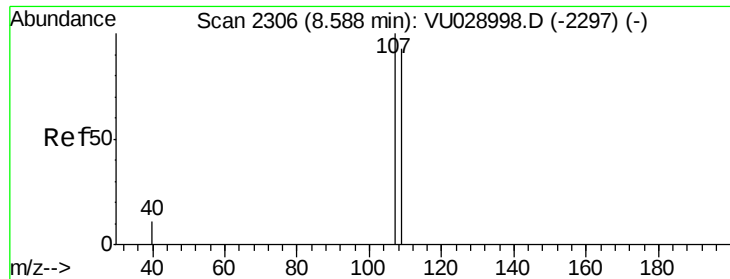
Tot Ion: 43 Resp: 193586
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.4



#60
Dibromochloromethane
Concen: 19.549 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:129 Resp: 31638
Ion Ratio Lower Upper
129 100
127 75.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.552 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

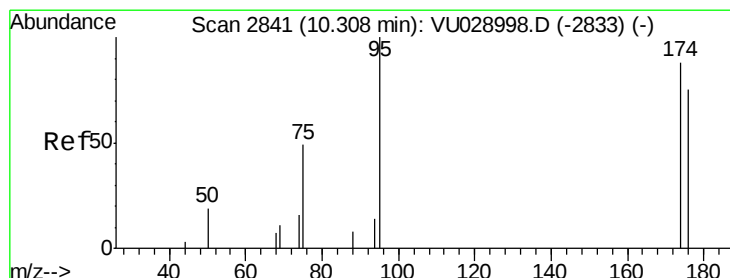
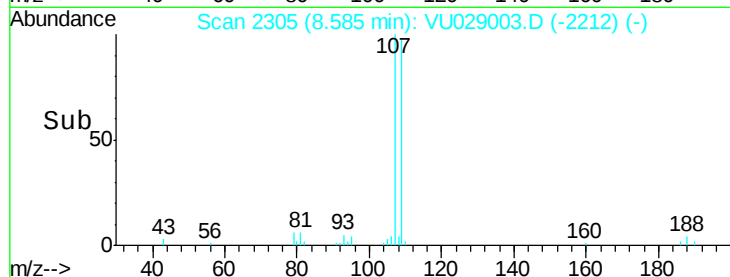
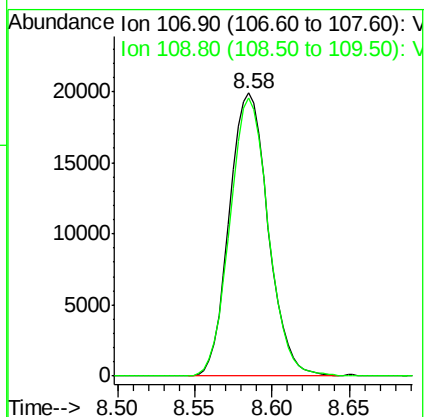
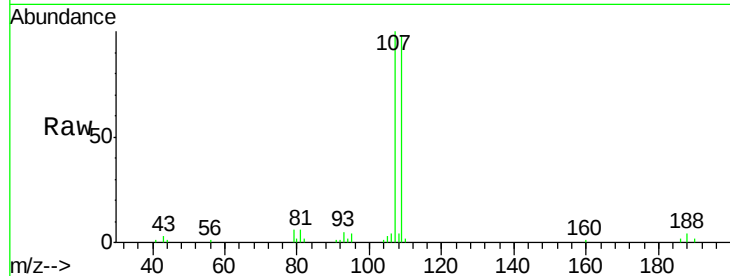
ClientSampleId :

Tot Ion:107 Resp: 34641

Ion Ratio Lower Upper

107 100

109 97.3 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 47.744 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

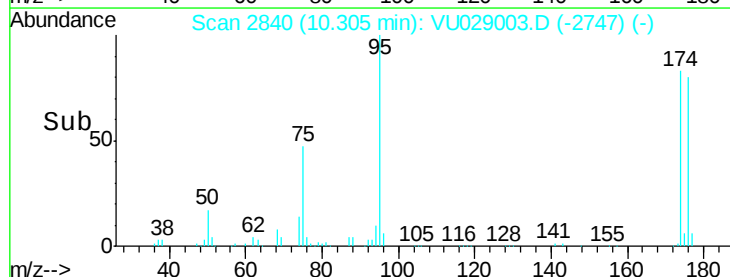
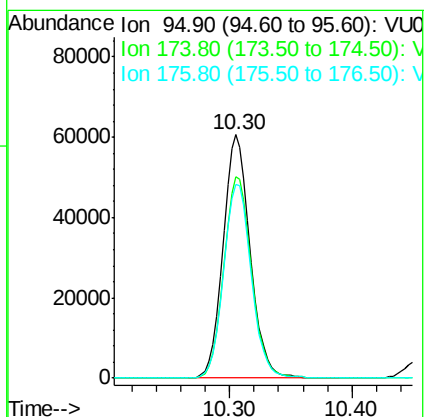
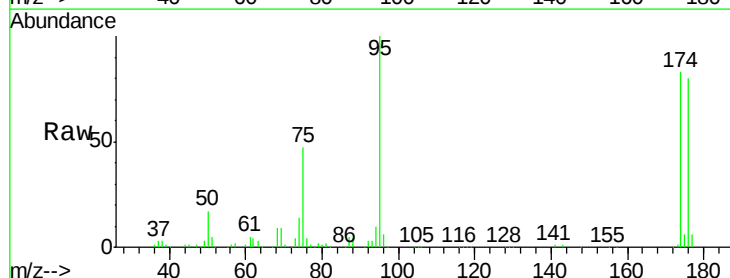
Tgt Ion: 95 Resp: 94335

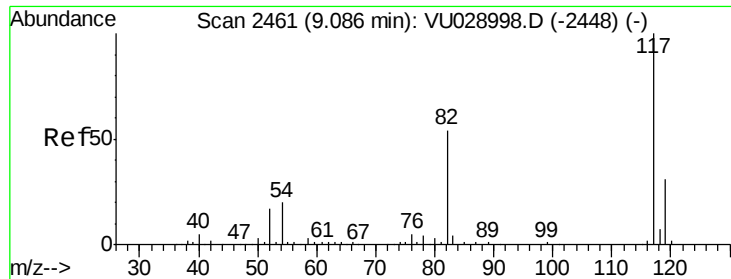
Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

176 81.6 0.0 165.0

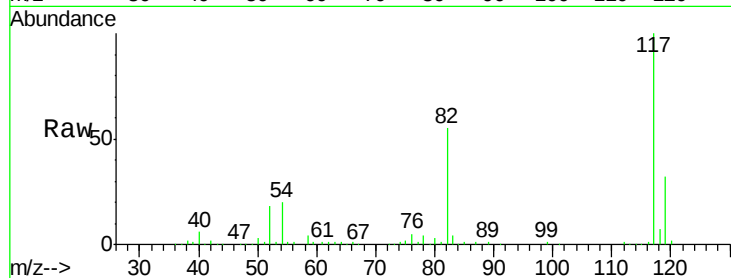




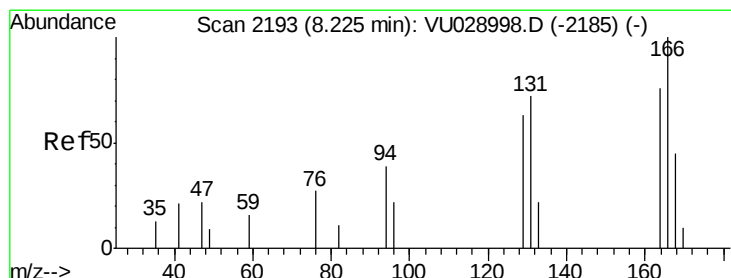
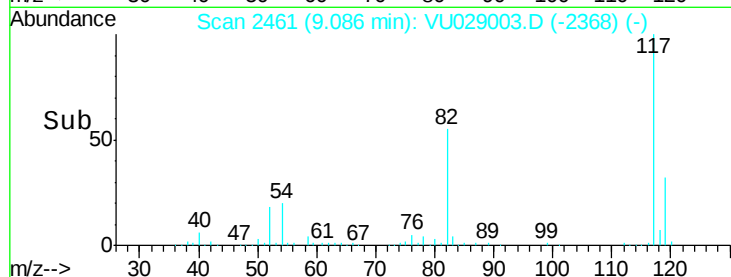
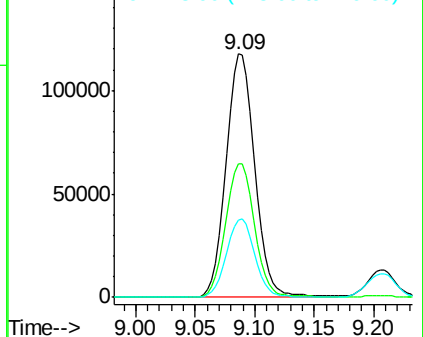
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 197520
Ion Ratio Lower Upper
117 100
82 55.0 43.9 65.9
119 31.9 26.0 39.0

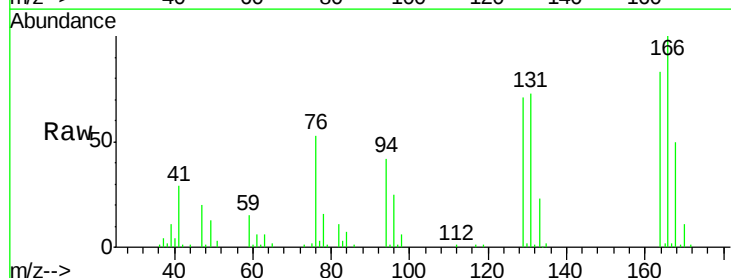


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

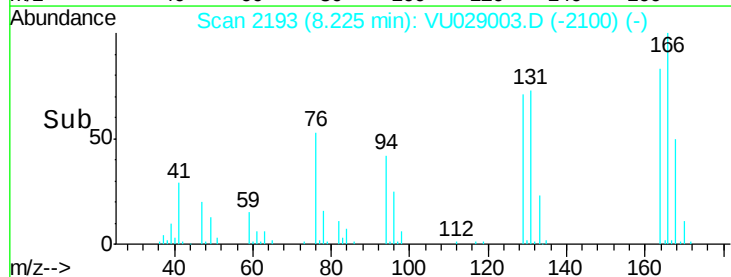
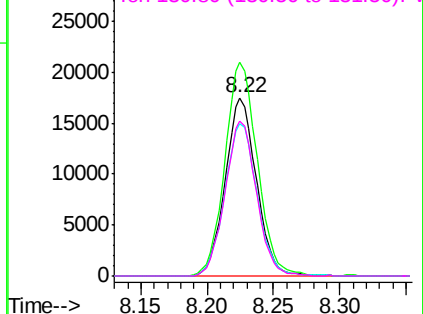


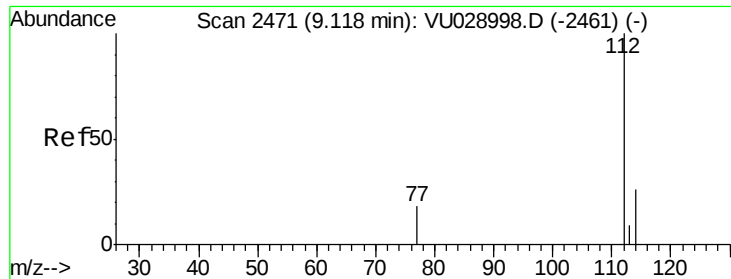
#64
Tetrachloroethene
Concen: 20.030 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:164 Resp: 28500
Ion Ratio Lower Upper
164 100
166 120.0 99.4 149.0
129 85.7 70.5 105.7
131 87.3 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

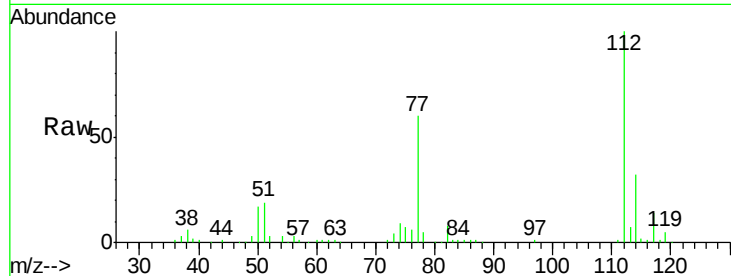




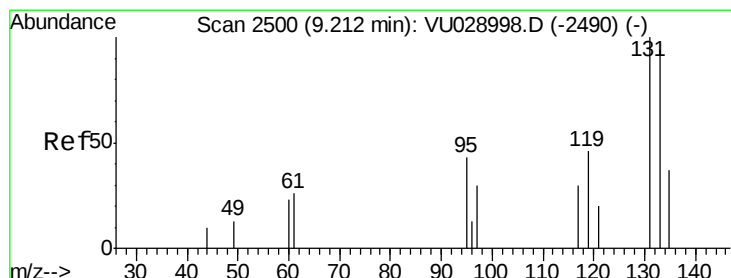
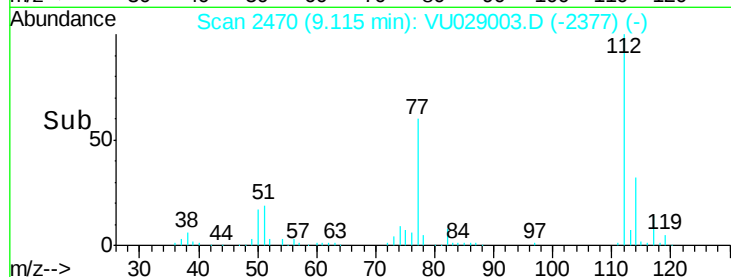
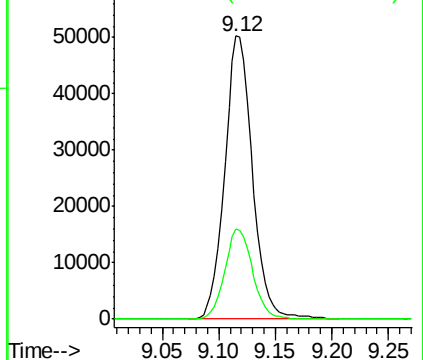
#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 85845
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

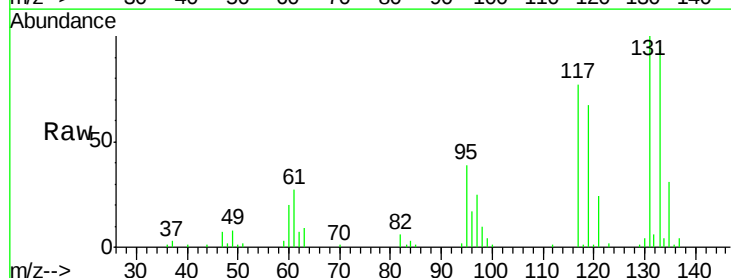


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

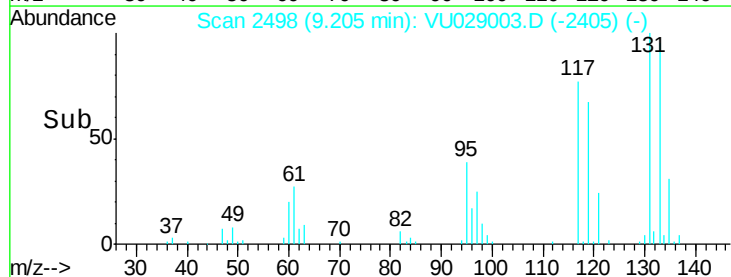
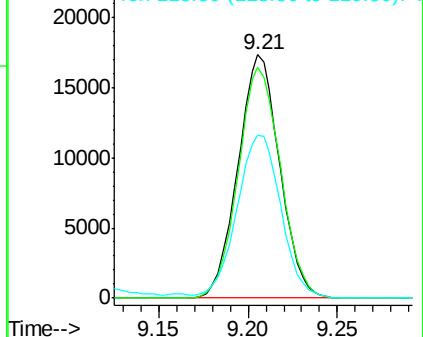


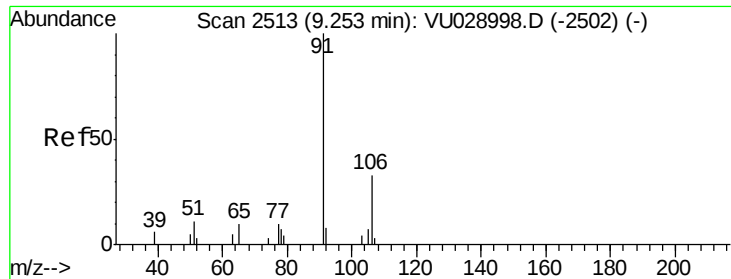
#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:131 Resp: 28263
Ion Ratio Lower Upper
131 100
133 96.6 48.2 144.6
119 70.8 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

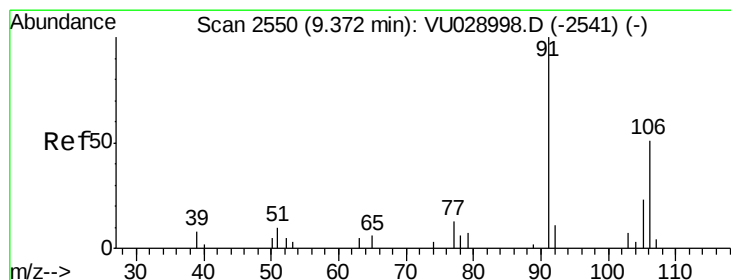
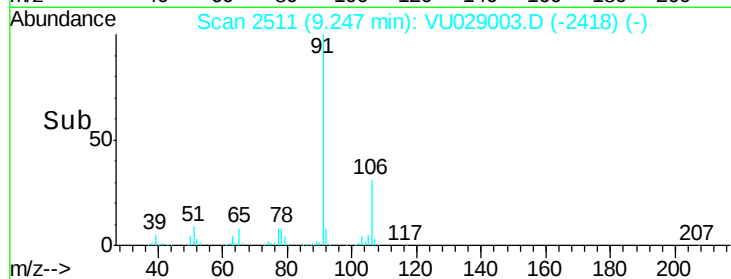
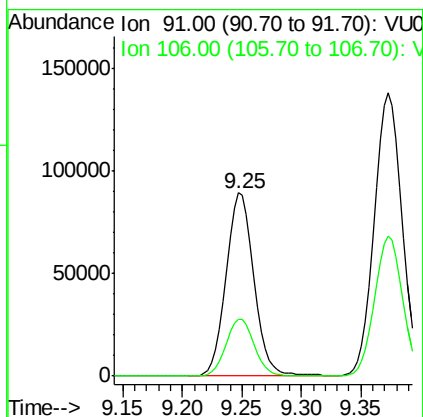
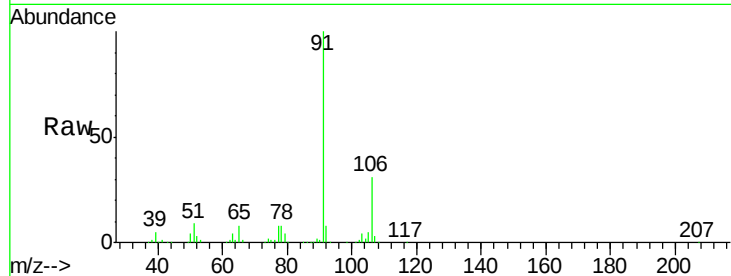




#67
Ethyl Benzene
Concen: 19.745 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

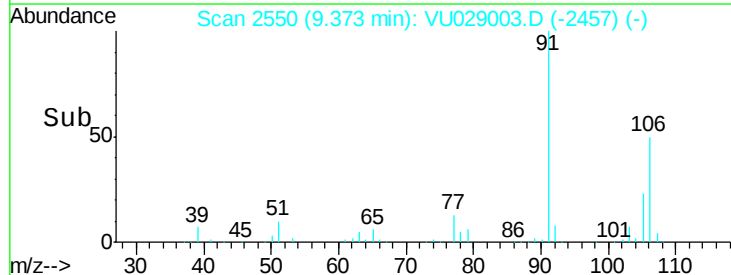
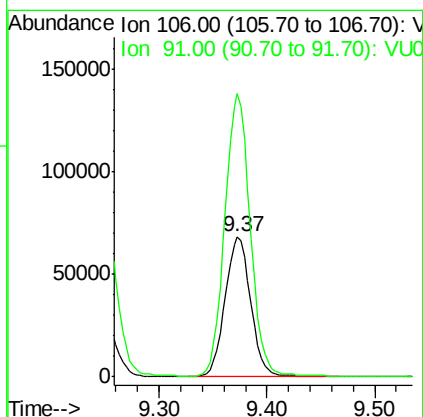
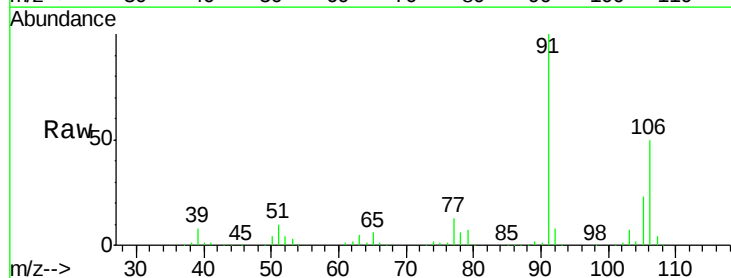
Instrument :
MSVOA_U
ClientSampleId :

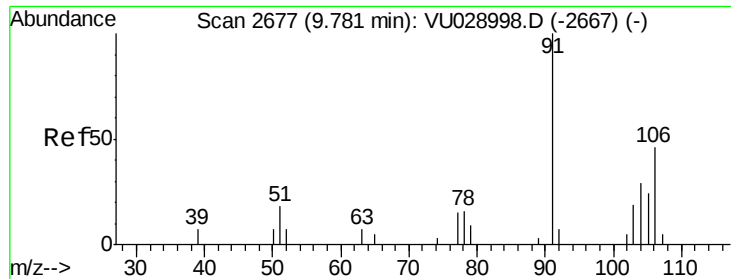
Tot Ion: 91 Resp: 145952
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 39.509 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion: 106 Resp: 113476
Ion Ratio Lower Upper
106 100
91 199.6 161.7 242.5

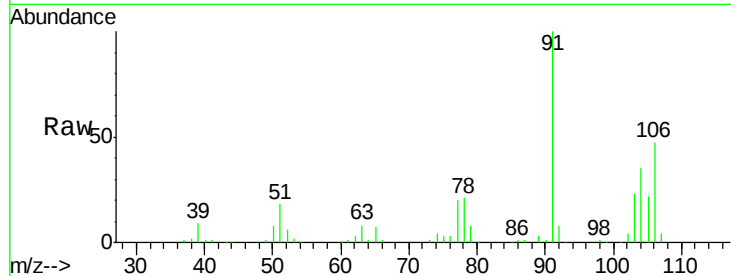




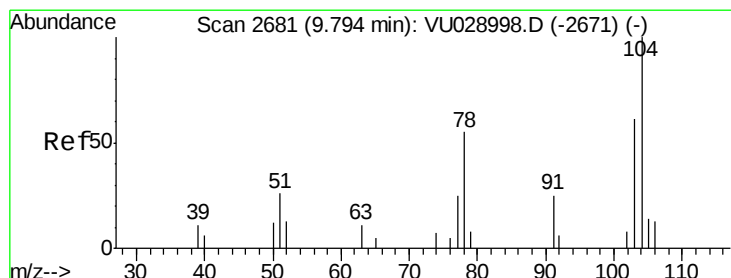
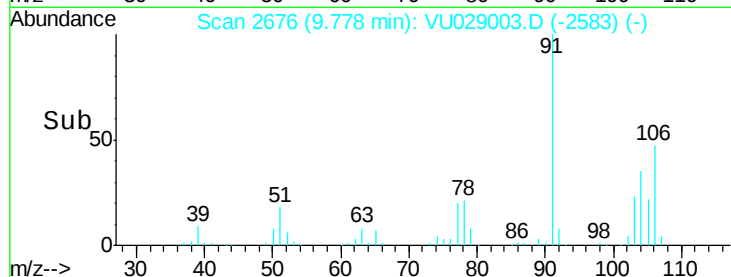
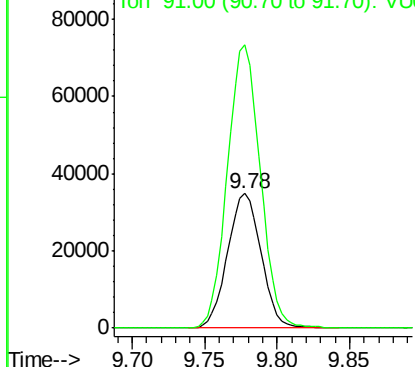
#69
o-Xylene
Concen: 20.228 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 55978
Ion Ratio Lower Upper
106 100
91 207.1 106.1 318.3

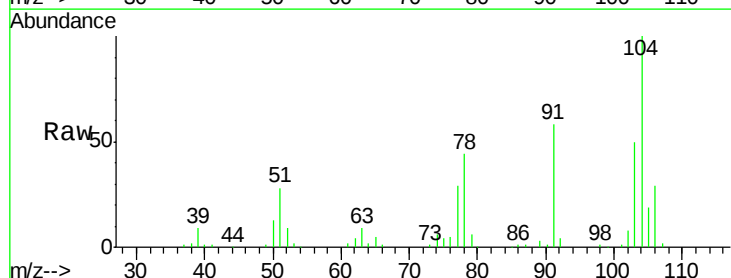


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

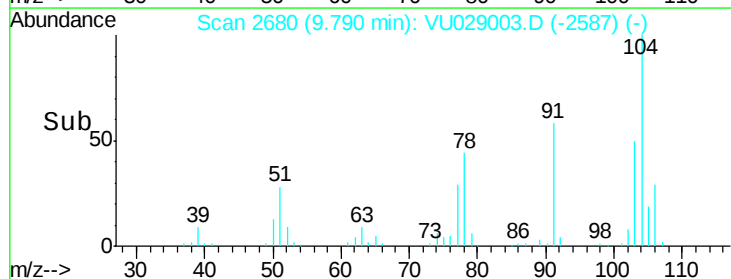
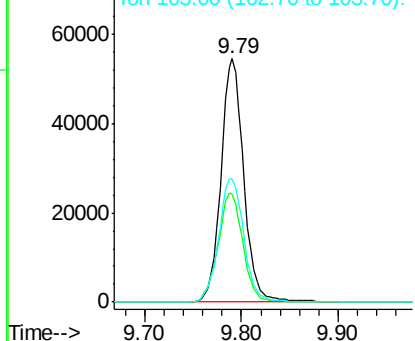


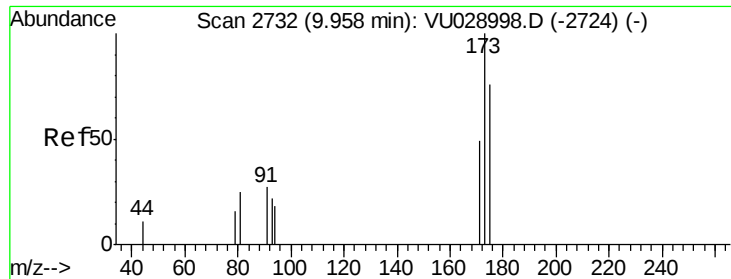
#70
Styrene
Concen: 19.572 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:104 Resp: 88794
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 56.2 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: 19.488 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampleId :

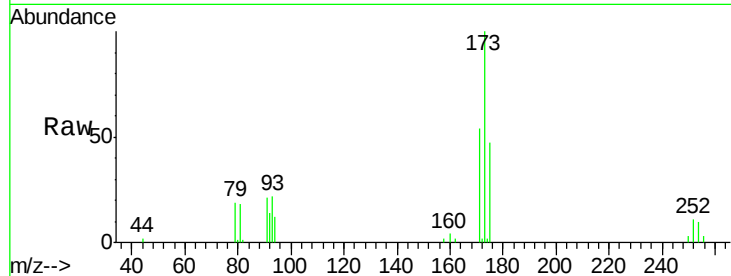
Tot Ion:173 Resp: 24932

Ion Ratio Lower Upper

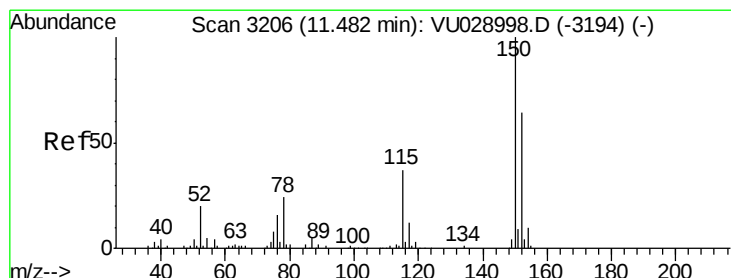
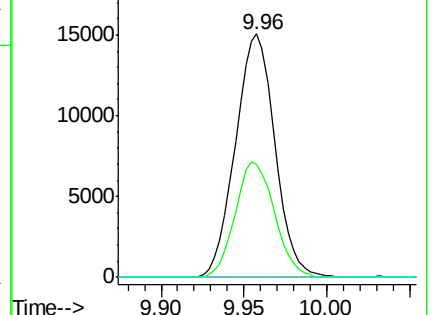
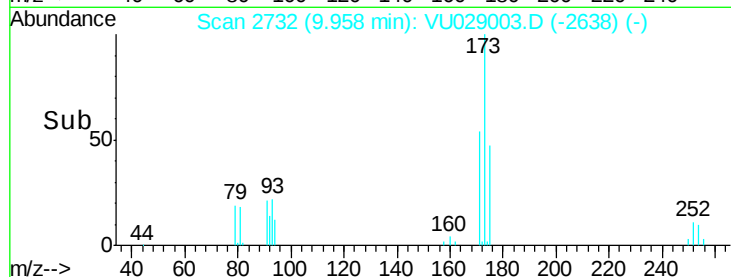
173 100

175 47.2 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: VU029003.D

Acq: 03 Jan 2019 17:36

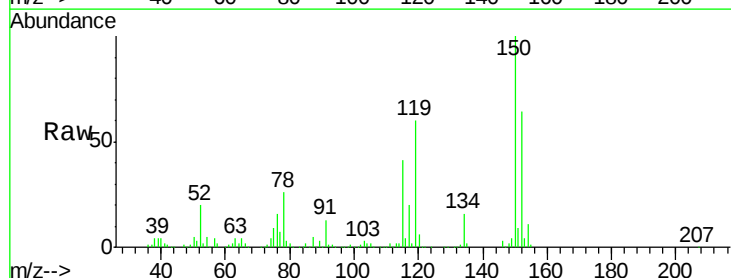
Tgt Ion:152 Resp: 96186

Ion Ratio Lower Upper

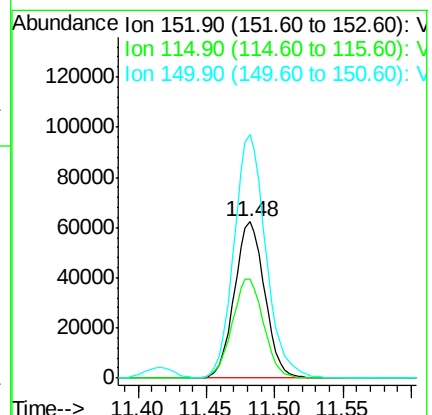
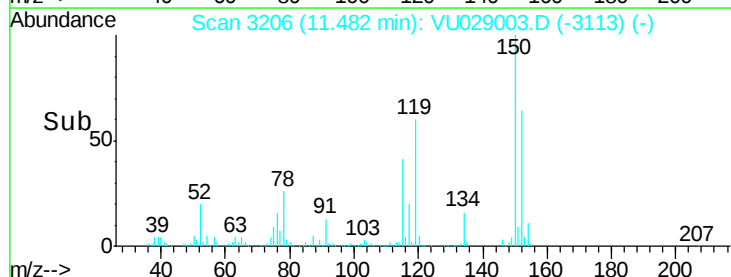
152 100

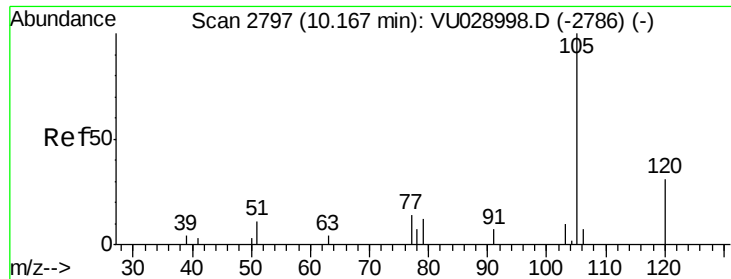
115 66.1 40.1 120.3

150 162.9 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: 20.218 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

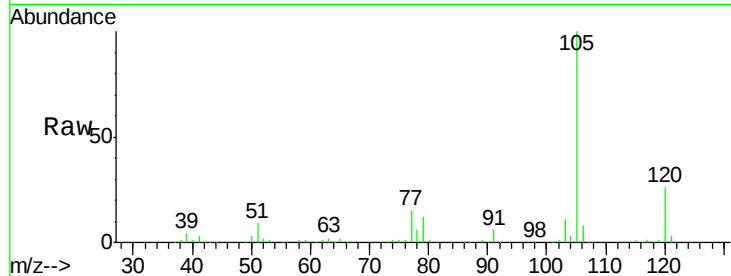
ClientSampled :

Tot Ion:105 Resp: 143942

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

80000

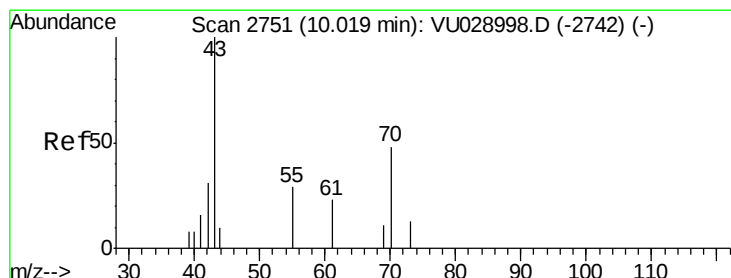
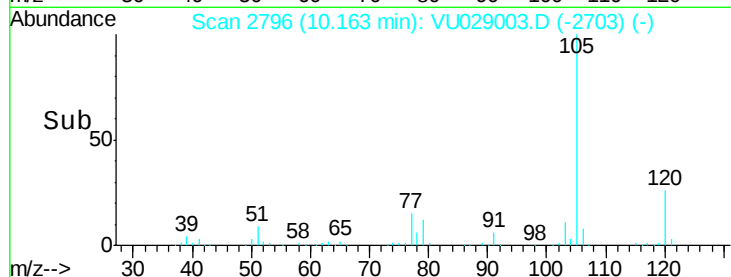
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 20.871 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Tgt Ion: 43 Resp: 64028

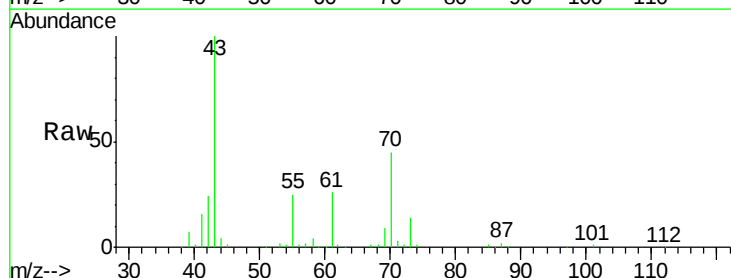
Ion Ratio Lower Upper

43 100

70 44.5 36.3 54.5

55 25.6 20.5 30.7

61 26.5 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

60000

50000

40000

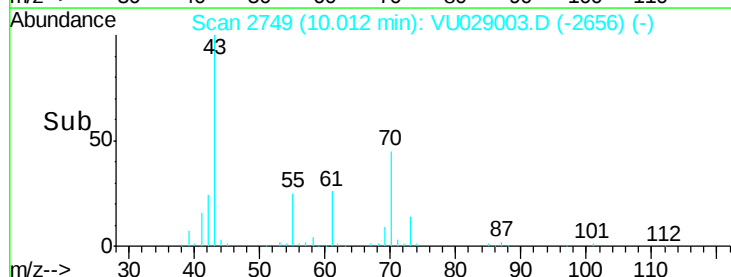
30000

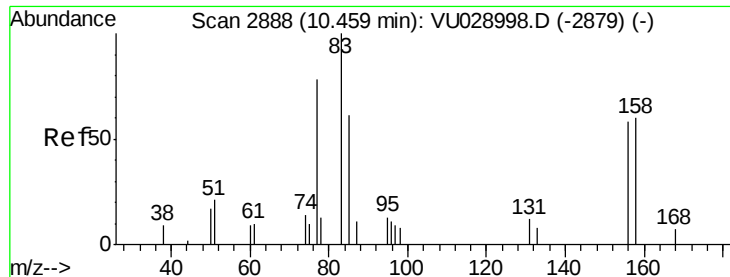
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.058 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

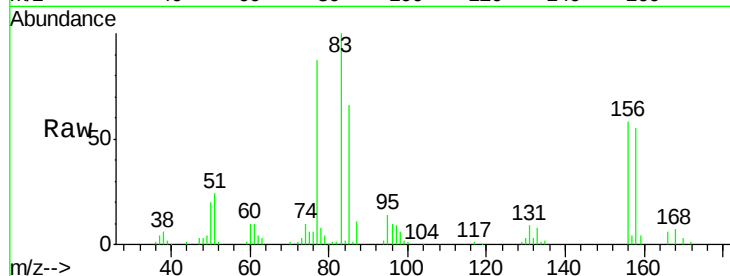
Tot Ion: 83 Resp: 57232

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

85 65.1 32.0 96.2

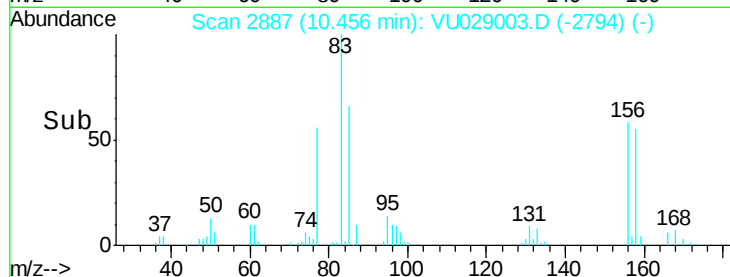


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->

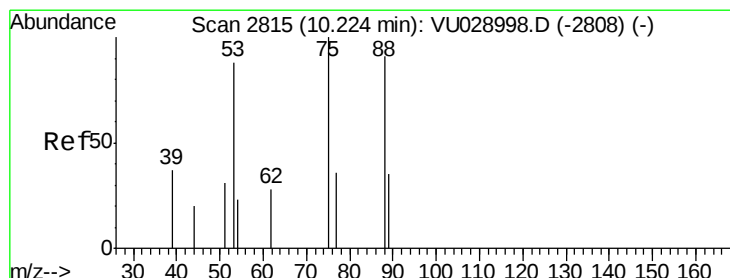


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.868 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029003.D

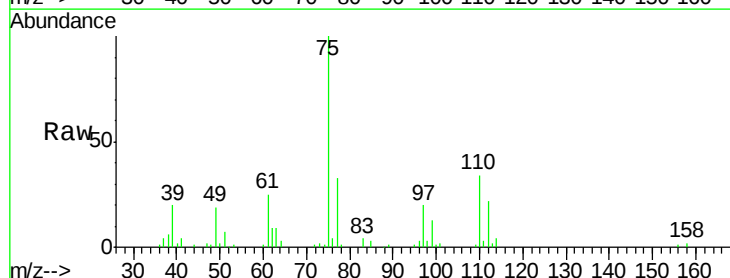
Acq: 03 Jan 2019 17:36

Tgt Ion: 75 Resp: 65676

Ion Ratio Lower Upper

75 100

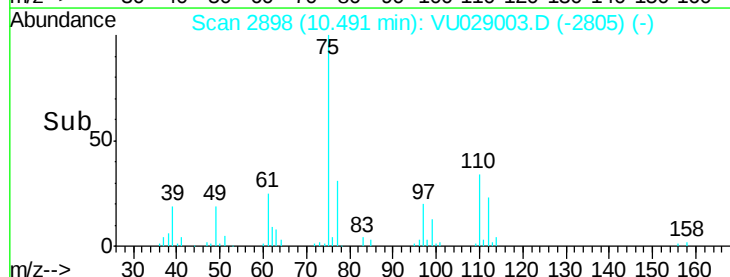
77 30.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

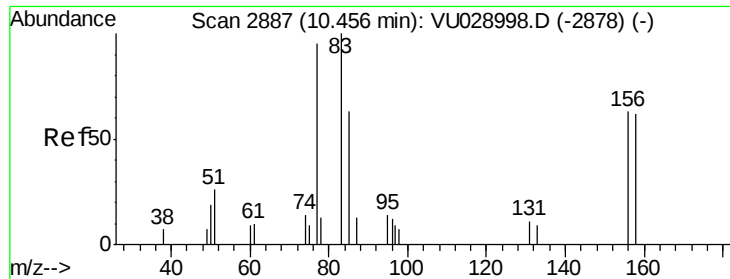
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

Time-->



#77

Bromobenzene

Concen: 19.920 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

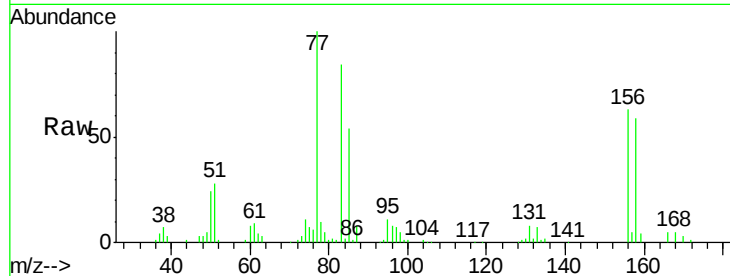
Tot Ion:156 Resp: 36958

Ion Ratio Lower Upper

156 100

77 158.7 79.0 237.2

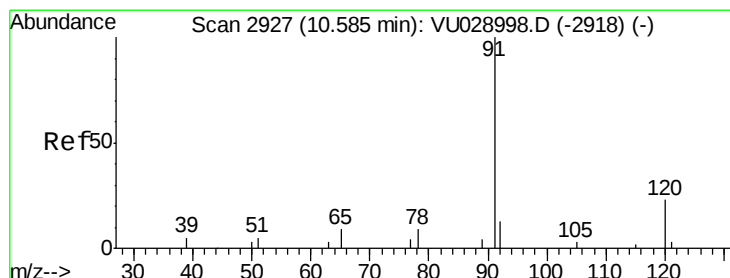
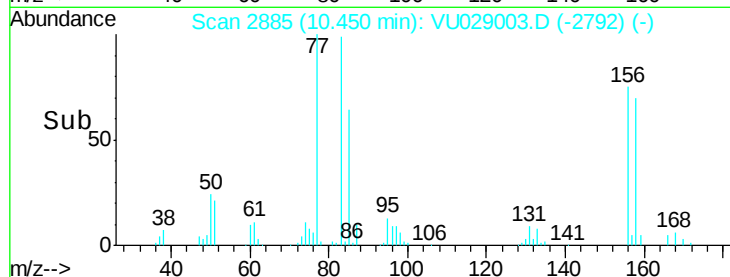
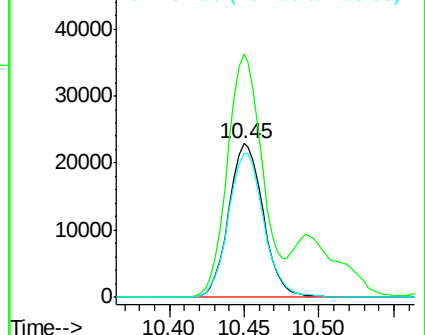
158 95.9 48.9 146.6



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: 19.751 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029003.D

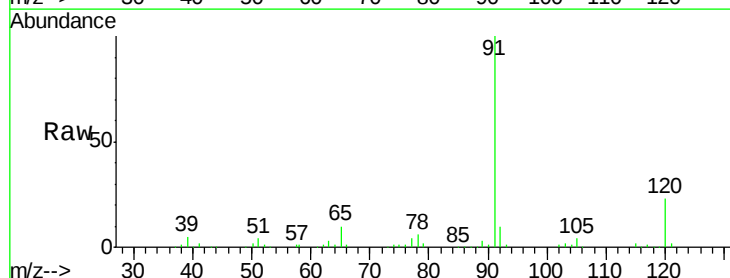
Acq: 03 Jan 2019 17:36

Tgt Ion: 91 Resp: 165710

Ion Ratio Lower Upper

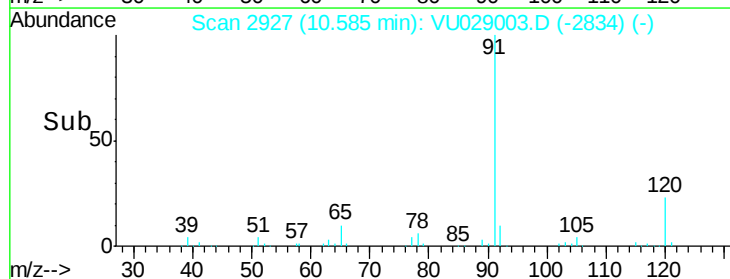
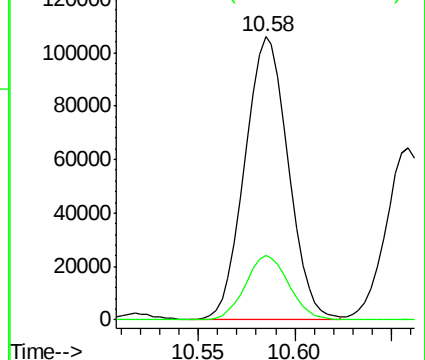
91 100

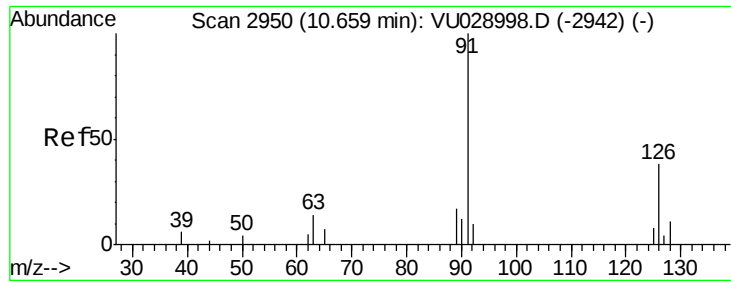
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

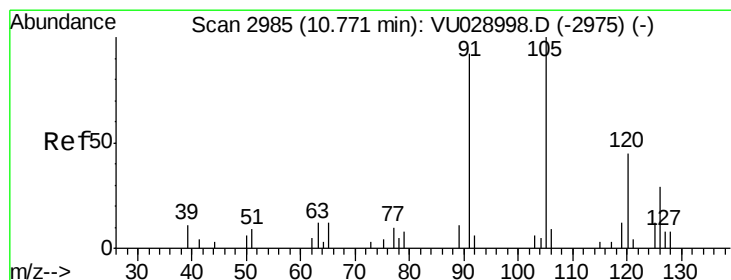
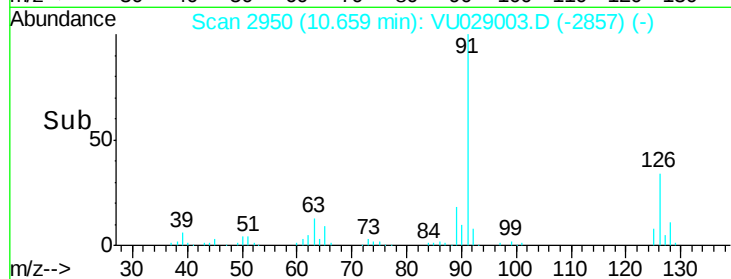
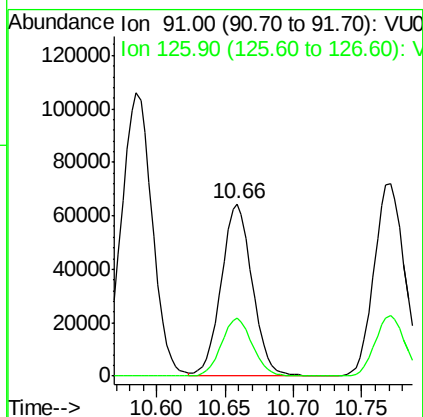
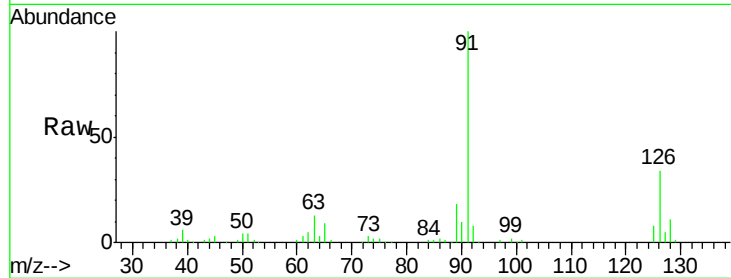




#79
 2-Chlorotoluene
 Concen: 20.046 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

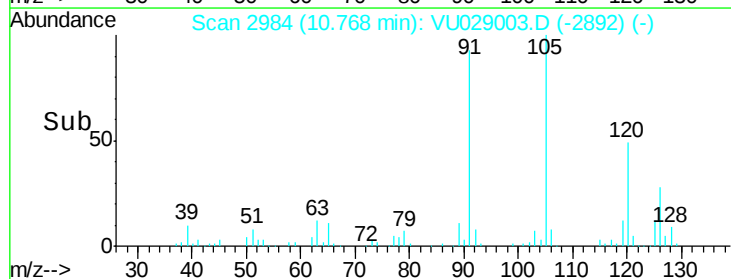
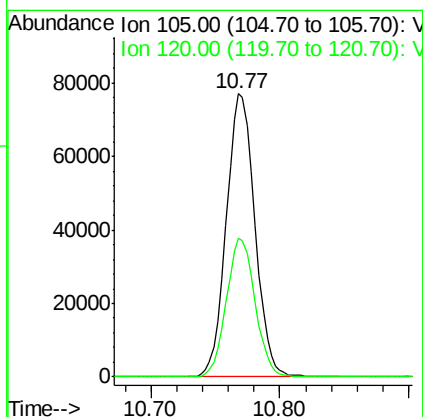
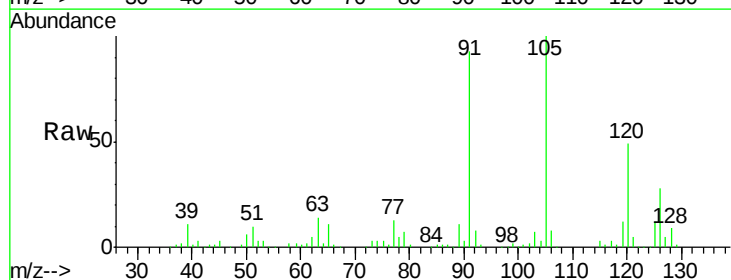
Instrument :
 MSVOA_U
 ClientSampleId :

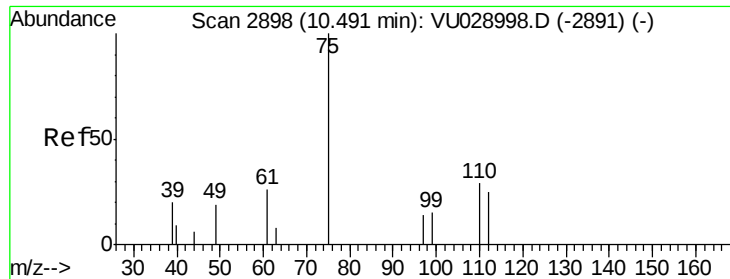
Tot Ion: 91 Resp: 102025
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 19.908 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 105 Resp: 118357
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 71.872 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

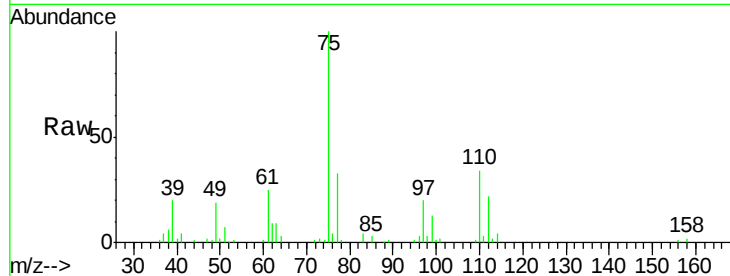
Tot Ion: 75 Resp: 65676

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

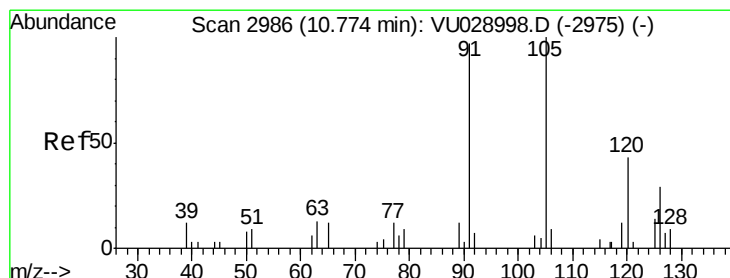
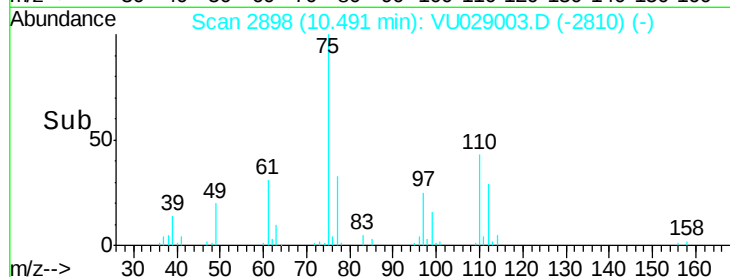
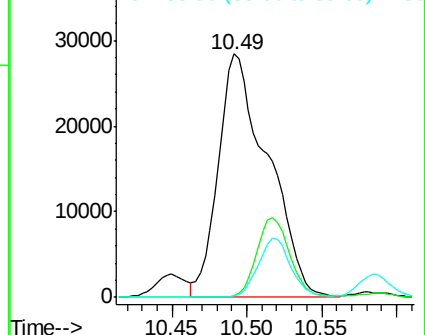
89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 19.346 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029003.D

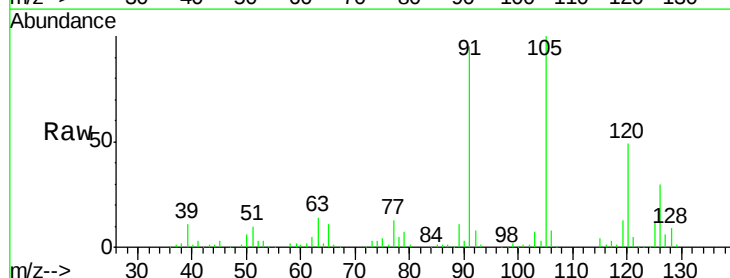
Acq: 03 Jan 2019 17:36

Tgt Ion: 91 Resp: 112904

Ion Ratio Lower Upper

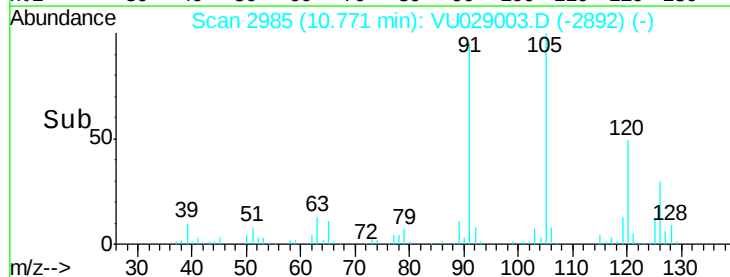
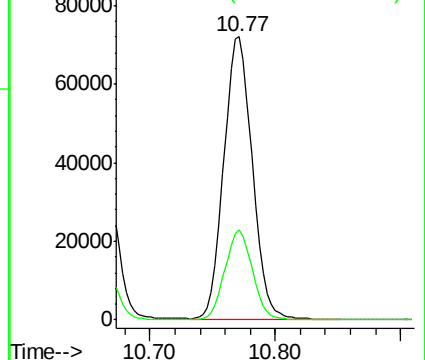
91 100

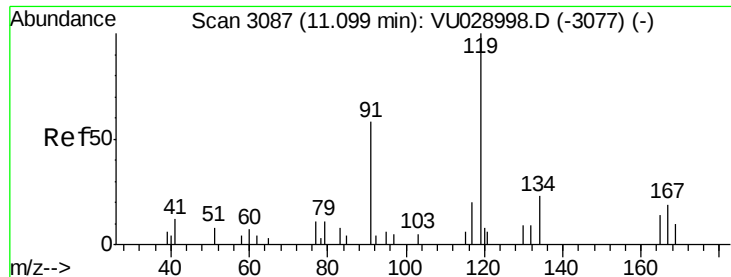
126 30.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

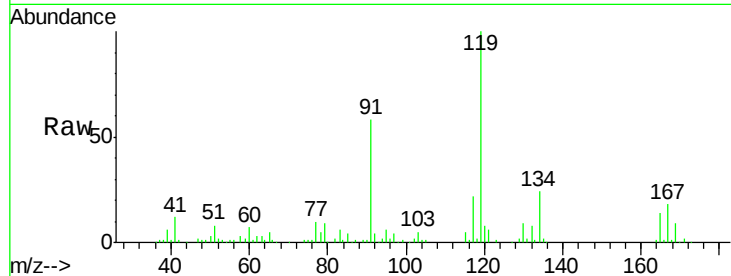




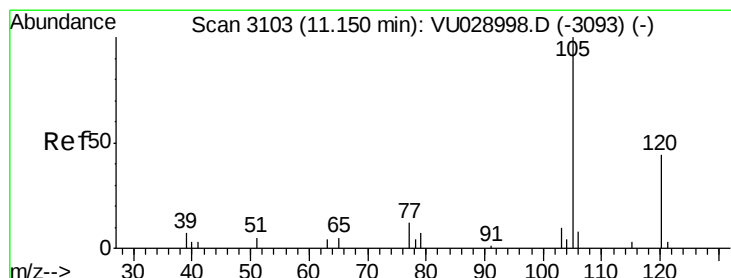
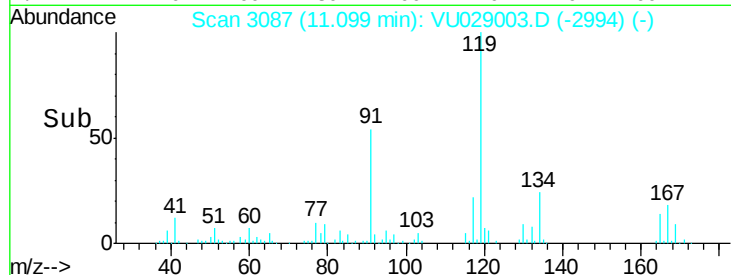
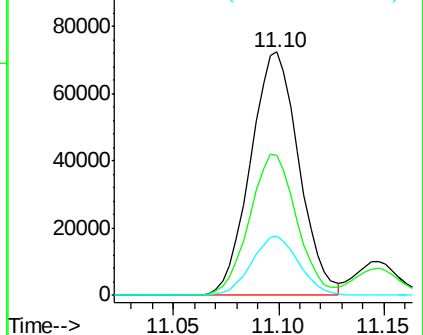
#83
 tert-Butylbenzene
 Concen: 19.744 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 115696
 Ion Ratio Lower Upper
 119 100
 91 56.6 28.2 84.6
 134 23.5 11.3 33.8

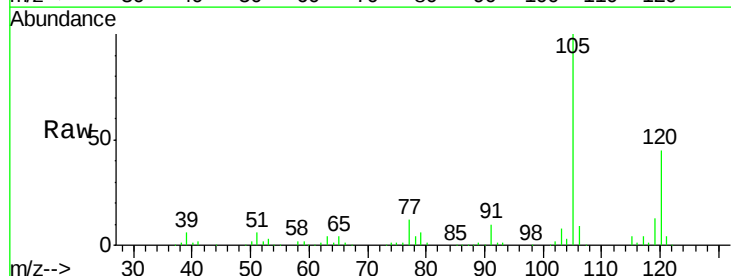


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

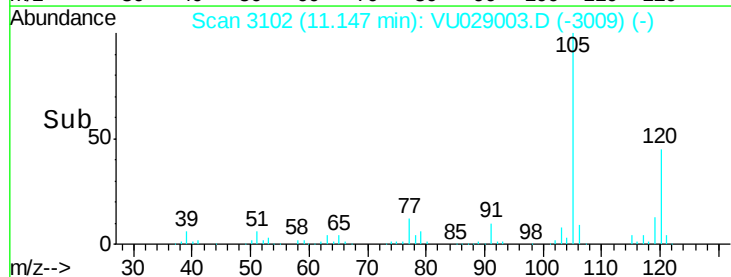
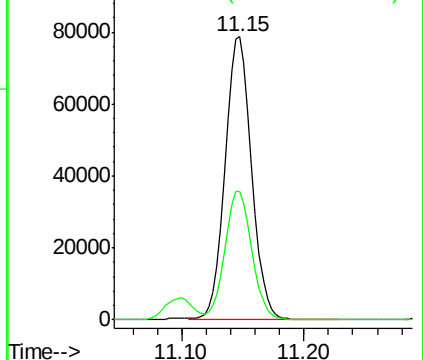


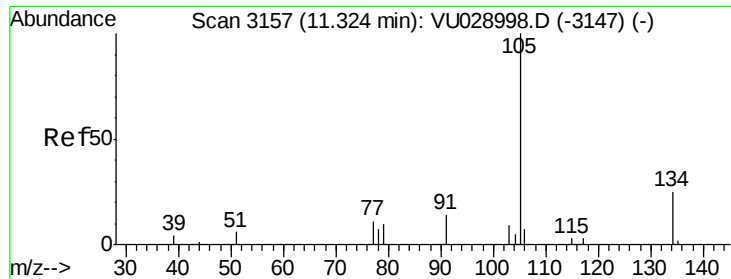
#84
 1,2,4-Trimethylbenzene
 Concen: 20.255 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion:105 Resp: 120229
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3



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





#85

sec-Butylbenzene

Concen: 20.014 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

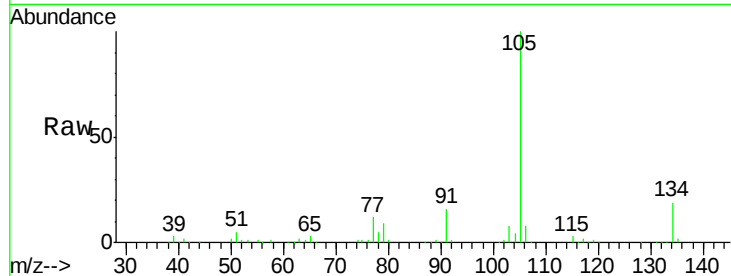
ClientSampled :

Tot Ion:105 Resp: 141835

Ion Ratio Lower Upper

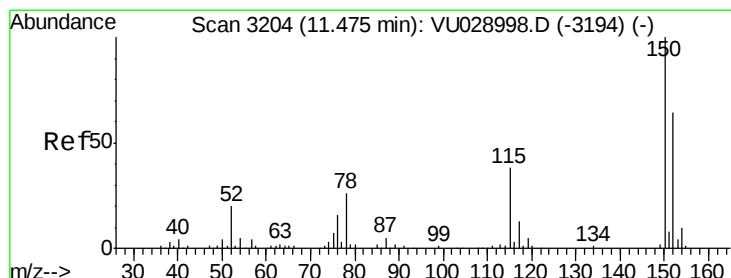
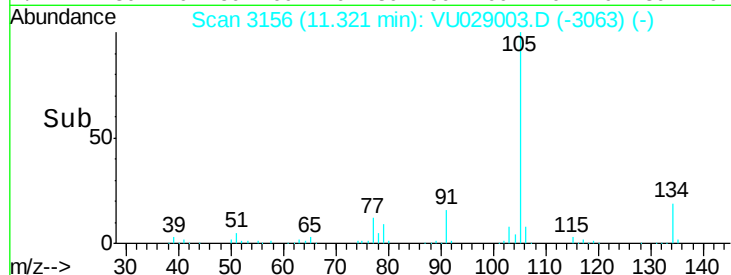
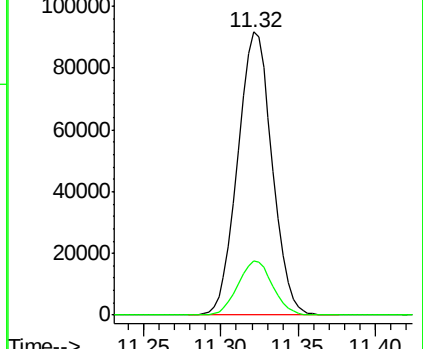
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.941 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

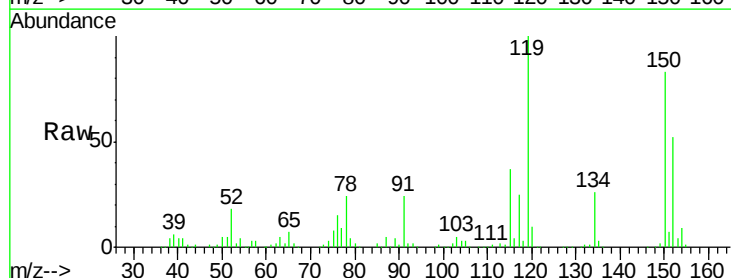
Tgt Ion:119 Resp: 120423

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

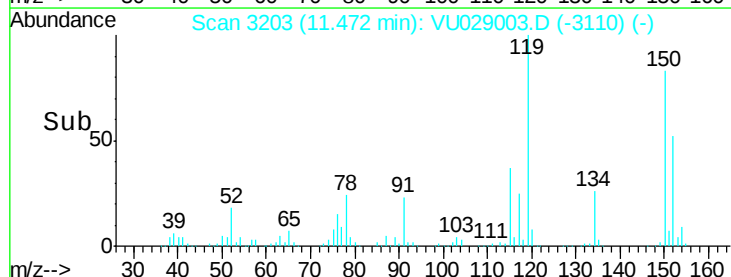
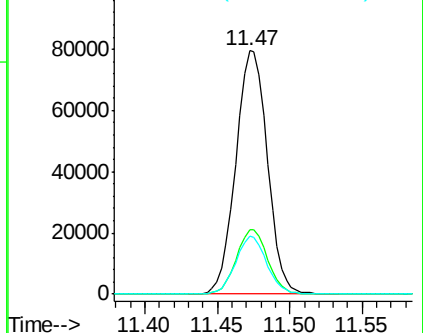
91 23.2 11.3 33.8

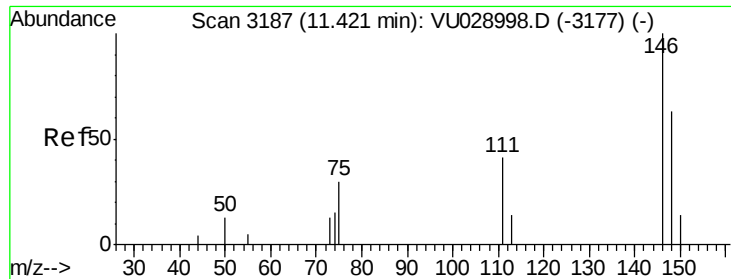


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

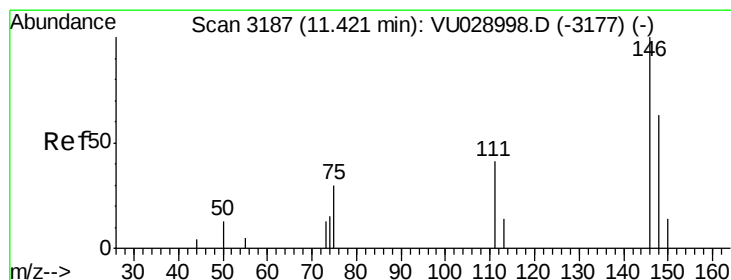
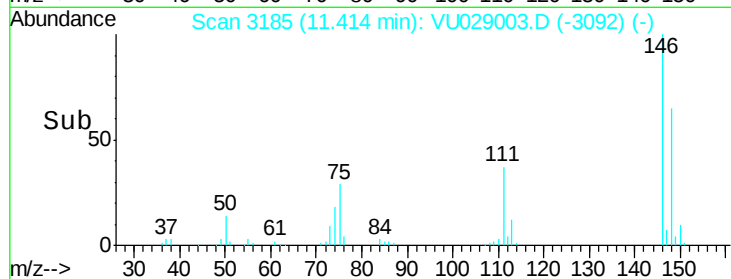
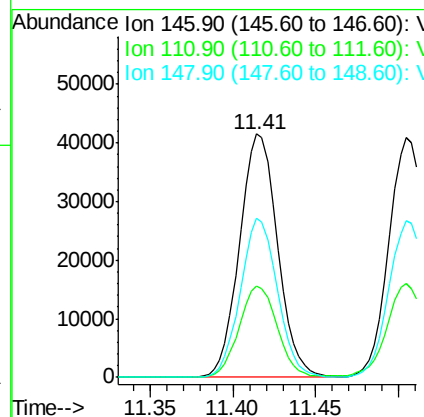
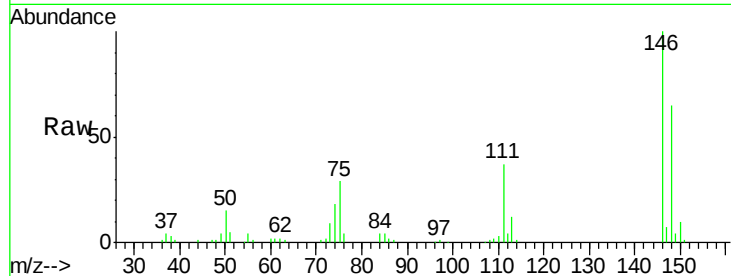




#87
 1,3-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

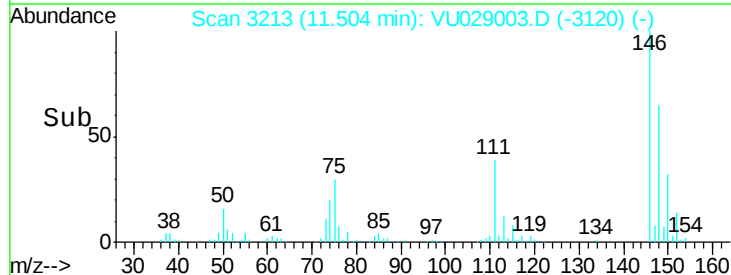
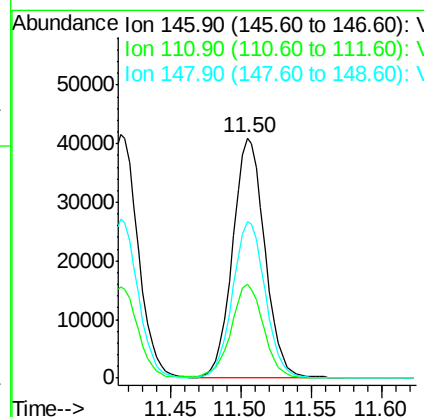
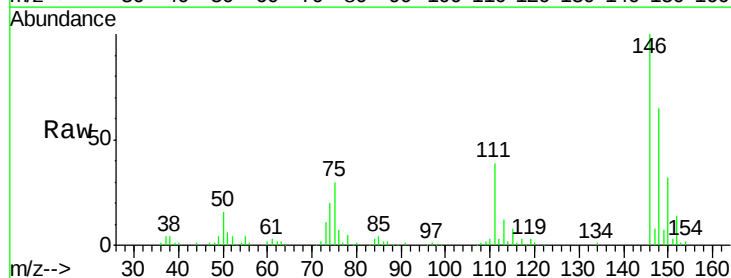
Instrument :
 MSVOA_U
 ClientSampled :

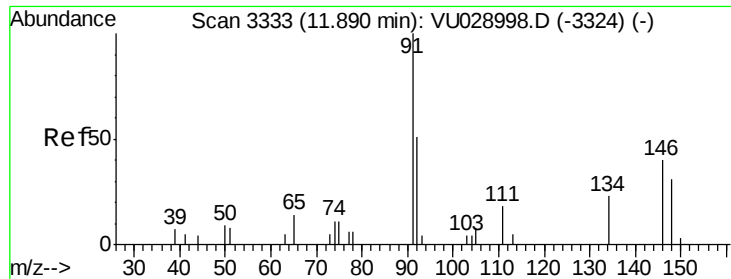
Tot Ion:146 Resp: 66365
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.3 57.8
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.612 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion:146 Resp: 65380
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.1 57.3
 148 66.0 32.6 98.0





#89

n-Butylbenzene

Concen: 19.395 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029003.D

Acq: 03 Jan 2019 17:36

Instrument :

MSVOA_U

ClientSampleId :

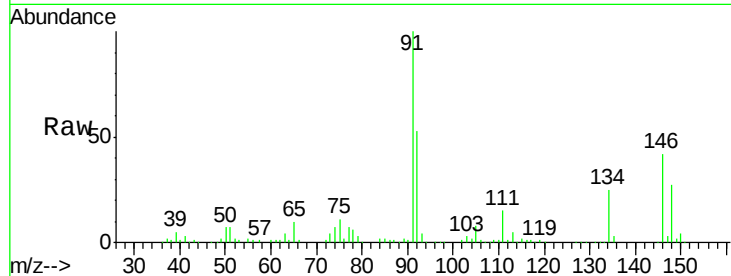
Tot Ion: 91 Resp: 104538

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.5

134 24.5 12.6 37.6

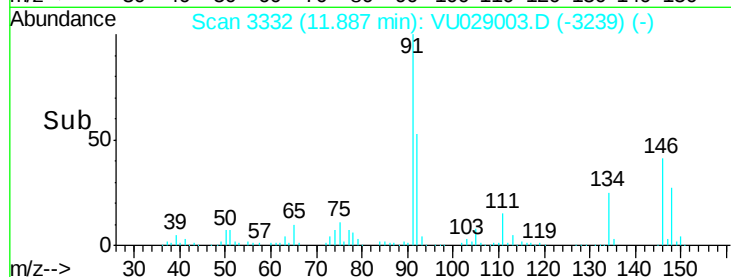


Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)

Time-->

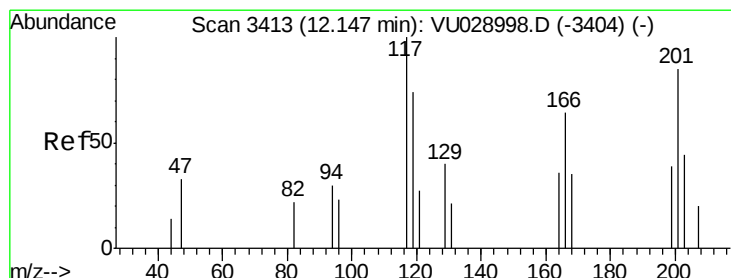


Abundance Ion 91.00 (90.70 to 91.70): VU029003.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU029003.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU029003.D (-3239) (-)

Time-->



#90

Hexachloroethane

Concen: 18.701 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029003.D

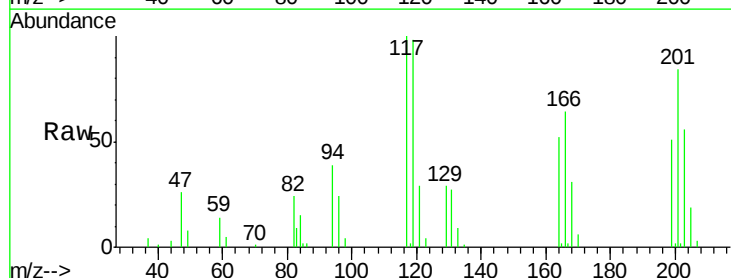
Acq: 03 Jan 2019 17:36

Tgt Ion: 117 Resp: 18999

Ion Ratio Lower Upper

117 100

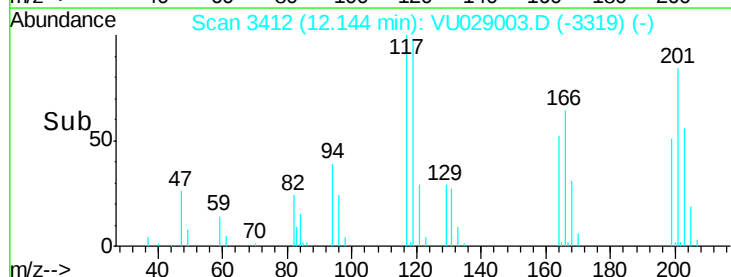
201 84.7 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)

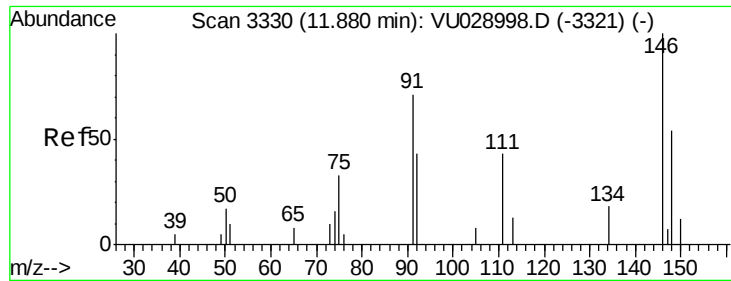
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VU029003.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU029003.D (-3319) (-)

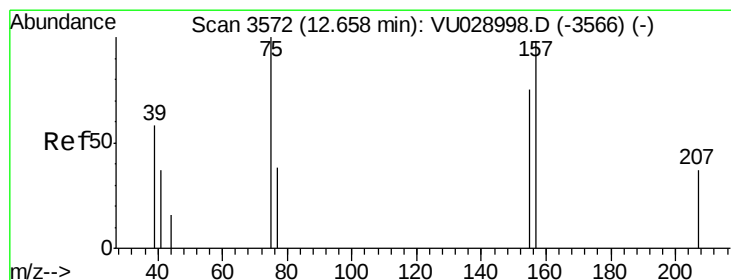
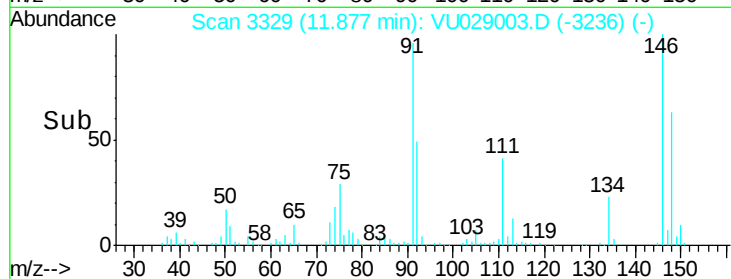
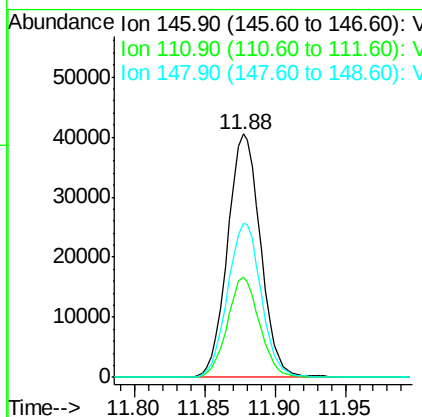
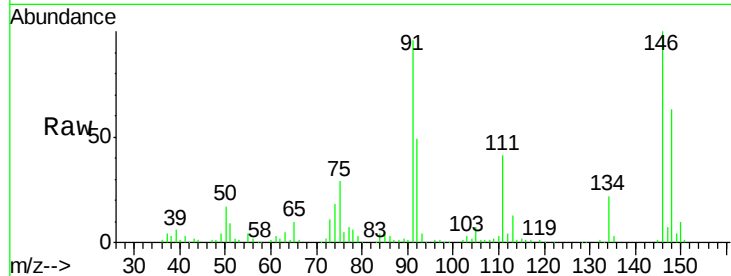
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.349 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

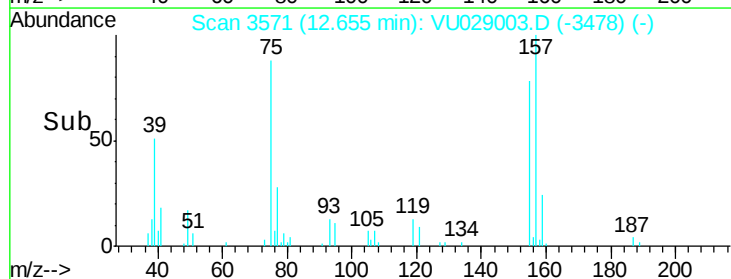
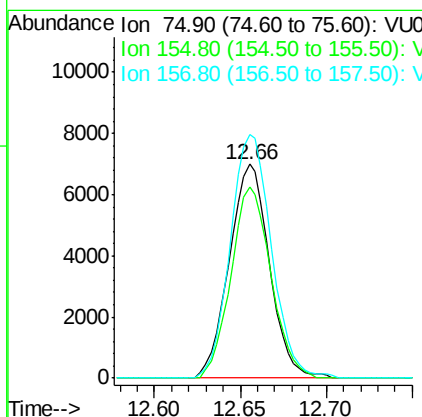
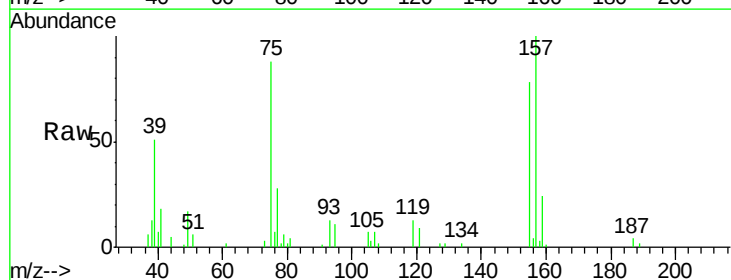
Instrument :
 MSVOA_U
 ClientSampleId :

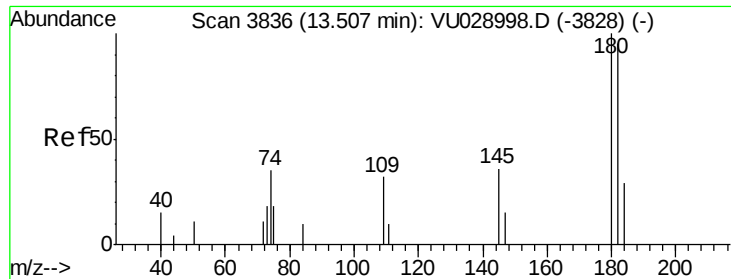
Tot Ion:146 Resp: 66321
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.4 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.800 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion: 75 Resp: 11415
 Ion Ratio Lower Upper
 75 100
 155 88.5 46.3 138.8
 157 116.5 57.4 172.0

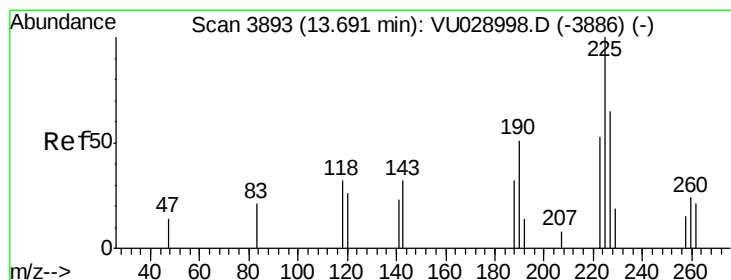
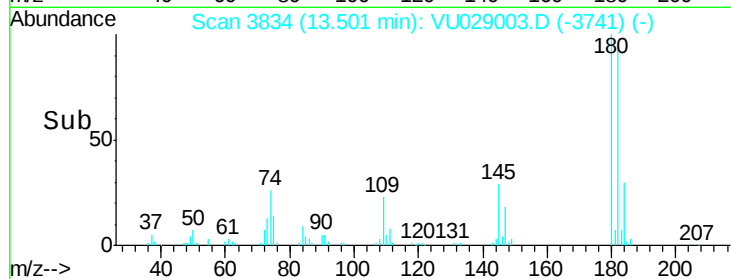
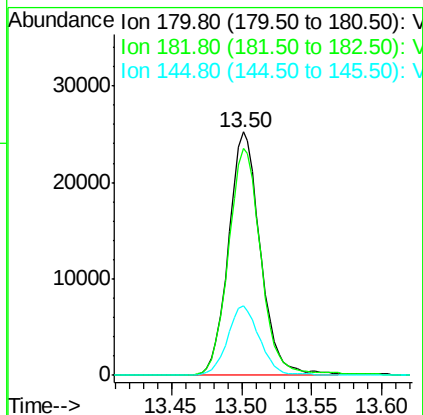
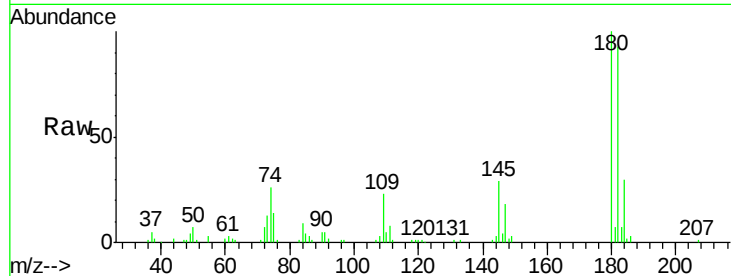




#93
 1,2,4-Trichlorobenzene
 Concen: 18.255 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

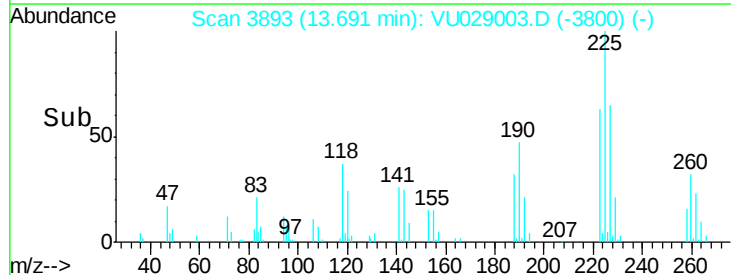
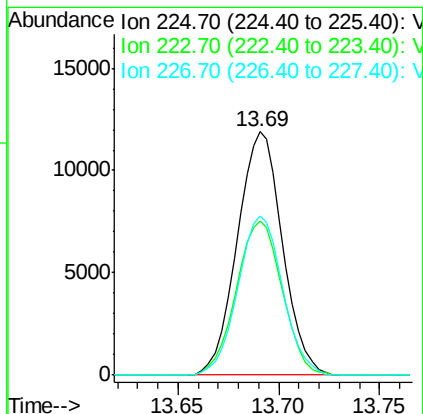
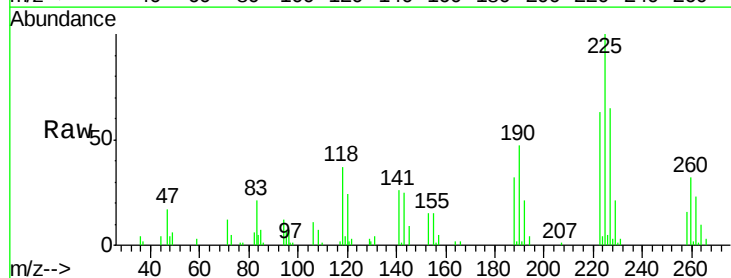
Instrument :
 MSVOA_U
 ClientSampleId :

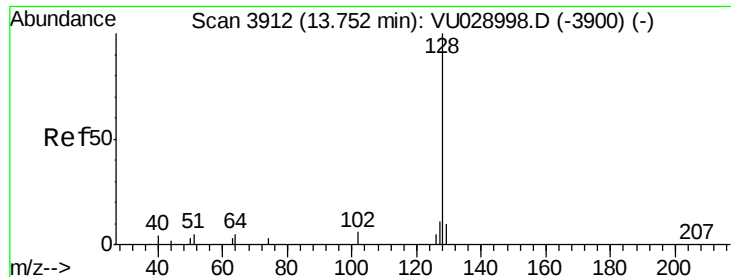
Tot Ion:180 Resp: 39942
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.5 142.6
 145 28.7 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 18.613 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029003.D
 Acq: 03 Jan 2019 17:36

Tgt Ion:225 Resp: 18628
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.0
 227 64.7 31.9 95.5

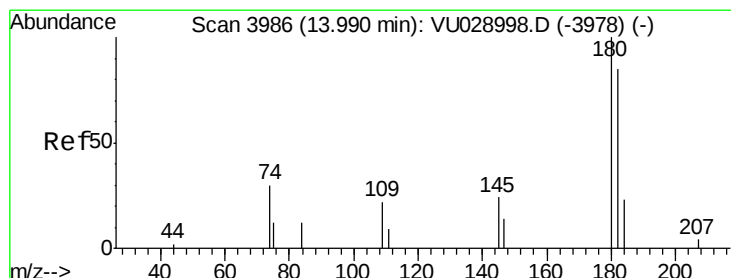
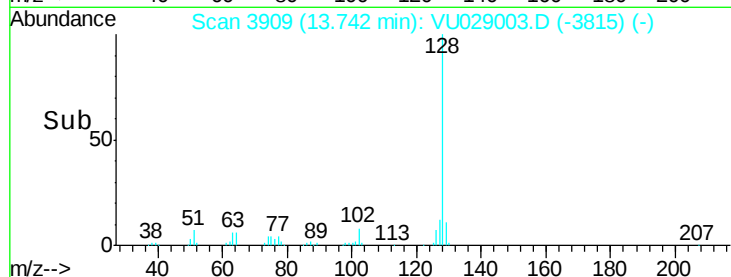
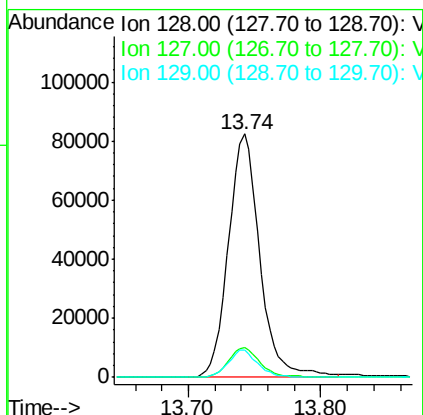
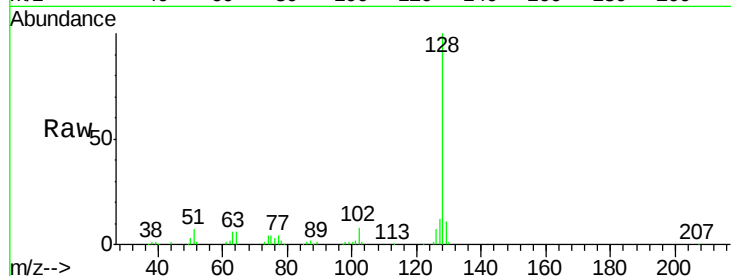




#95
Naphthalene
Concen: 18.274 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 136018
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.856 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029003.D
Acq: 03 Jan 2019 17:36

Tgt Ion:180 Resp: 41369
Ion Ratio Lower Upper
180 100
182 95.0 48.1 144.3
145 30.9 14.8 44.4

