

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029005.D
 Acq On : 03 Jan 2019 18:25
 Operator : MD/SY
 Sample : VU0103WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:49:26 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	127234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80036	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	4.88	113	69240	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	7.56	98	271735	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	10.30	95	94057	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	25539	20.240	ug/l	96
3) Chloromethane	1.33	50	40289	19.580	ug/l	100
4) Vinyl Chloride	1.40	62	36546	19.654	ug/l	100
5) Bromomethane	1.61	94	20764	19.891	ug/l	98
6) Chloroethane	1.69	64	22775	20.563	ug/l	98
7) Trichlorofluoromethane	1.88	101	40561	20.018	ug/l	100
8) Diethyl Ether	2.10	74	19520	20.053	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	26288	19.390	ug/l	98
10) Methyl Iodide	2.41	142	27143	21.293	ug/l	99
11) Tert butyl alcohol	2.83	59	38503	96.306	ug/l	98
12) 1,1-Dichloroethene	2.28	96	26899	20.384	ug/l	98
13) Acrolein	2.19	56	29106	96.954	ug/l	99
14) Allyl chloride	2.59	41	44839	18.519	ug/l	92
15) Acrylonitrile	2.94	53	98660	100.587	ug/l	99
16) Acetone	2.32	43	81096	81.846	ug/l	99
17) Carbon Disulfide	2.47	76	87463	19.678	ug/l	99
18) Methyl Acetate	2.61	43	45974	19.955	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	92842	20.012	ug/l	99
20) Methylene Chloride	2.70	84	32546	19.346	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	29925	19.519	ug/l	97
22) Diisopropyl ether	3.57	45	97916	20.462	ug/l	98
23) Vinyl Acetate	3.52	43	401054	102.519	ug/l	100
24) 1,1-Dichloroethane	3.44	63	55426	20.064	ug/l	99
25) 2-Butanone	4.26	43	128042	95.677	ug/l	99
26) 2,2-Dichloropropane	4.22	77	43146	19.330	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	33912	20.224	ug/l	99
28) Bromochloromethane	4.55	49	24759	20.932	ug/l	99
29) Tetrahydrofuran	4.64	42	81316	100.182	ug/l	99
30) Chloroform	4.67	83	52866	20.093	ug/l	97
31) Cyclohexane	4.99	56	53730	19.929	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	43536	20.025	ug/l	99
36) 1,1-Dichloropropene	5.13	75	40369	18.871	ug/l	100
37) Ethyl Acetate	4.38	43	45879	19.539	ug/l	99
38) Carbon Tetrachloride	5.13	117	34746	19.475	ug/l	96

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 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)
39) Methylcyclohexane	6.41	83	49077	18.662	ug/l	99
40) Benzene	5.39	78	131080	19.644	ug/l	100
41) Methacrylonitrile	4.54	41	25042	19.924	ug/l	99
42) 1,2-Dichloroethane	5.40	62	40268	20.083	ug/l	99
43) Isopropyl Acetate	5.55	43	73336	20.360	ug/l	99
44) Trichloroethene	6.19	130	31662	19.151	ug/l	100
45) 1,2-Dichloropropane	6.43	63	34613	19.643	ug/l	100
46) Dibromomethane	6.56	93	22627	20.087	ug/l	97
47) Bromodichloromethane	6.76	83	41201	19.866	ug/l	96
48) Methyl methacrylate	6.62	41	35511	20.247	ug/l	98
49) 1,4-Dioxane	6.61	88	15696	377.631	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	243498	99.332	ug/l	100
52) Toluene	7.64	92	79042	19.458	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	46451	18.644	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	51559	19.152	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	31918	19.613	ug/l	96
56) Ethyl methacrylate	8.02	69	49474	19.733	ug/l	99
57) 1,3-Dichloropropane	8.24	76	55351	19.878	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	109883	99.660	ug/l	100
59) 2-Hexanone	8.36	43	184277	95.767	ug/l	100
60) Dibromochloromethane	8.48	129	30686	19.033	ug/l	98
61) 1,2-Dibromoethane	8.58	107	33947	19.234	ug/l	98
64) Tetrachloroethene	8.22	164	28670	20.320	ug/l	98
65) Chlorobenzene	9.12	112	84266	19.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	28796	20.211	ug/l	97
67) Ethyl Benzene	9.25	91	145201	19.809	ug/l	98
68) m/p-Xylenes	9.37	106	111964	39.312	ug/l	99
69) o-Xylene	9.78	106	54391	19.820	ug/l	99
70) Styrene	9.79	104	88288	19.625	ug/l	99
71) Bromoform	9.96	173	24539	19.343	ug/l #	100
73) Isopropylbenzene	10.16	105	139726	20.020	ug/l	98
74) N-amyl acetate	10.01	43	61541	20.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	55613	19.882	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	64672	27.993	ug/l	82
77) Bromobenzene	10.45	156	36506	20.072	ug/l	99
78) n-propylbenzene	10.58	91	165397	20.109	ug/l	100
79) 2-Chlorotoluene	10.66	91	99444	19.931	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	116014	19.906	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	64672	72.195	ug/l #	100
82) 4-Chlorotoluene	10.77	91	111207	19.438	ug/l	99
83) tert-Butylbenzene	11.10	119	115543	20.114	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	119107	20.469	ug/l	98
85) sec-Butylbenzene	11.32	105	140330	20.199	ug/l	100
86) p-Isopropyltoluene	11.47	119	118532	20.022	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	63668	19.085	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	63391	18.408	ug/l	97
89) n-Butylbenzene	11.89	91	102901	19.475	ug/l	99
90) Hexachloroethane	12.14	117	18272	18.347	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	63149	18.793	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10731	19.946	ug/l	96

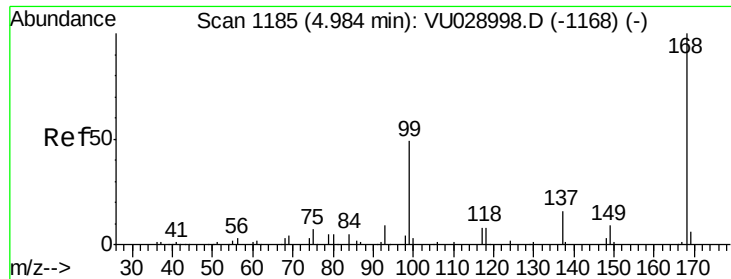
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39305	18.324	ug/l	97
94) Hexachlorobutadiene	13.69	225	18020	18.367	ug/l	98
95) Naphthalene	13.74	128	136190	18.664	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41831	19.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

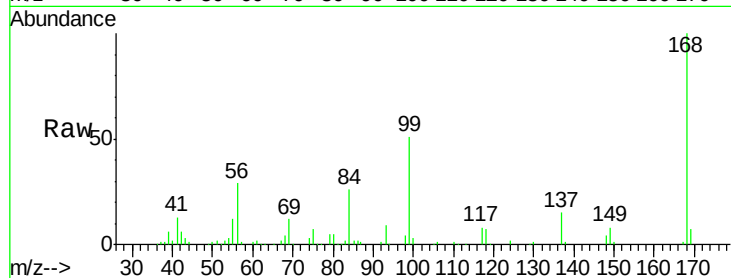
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 127234

Ion Ratio Lower Upper

168 100

99 50.7 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

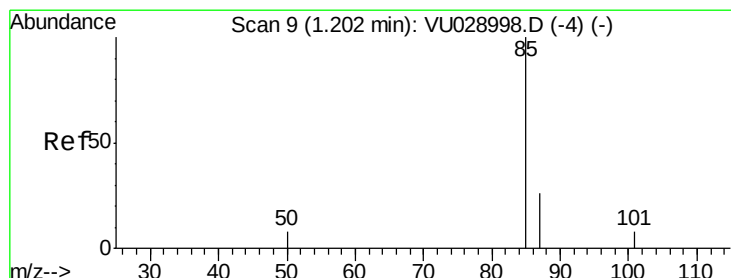
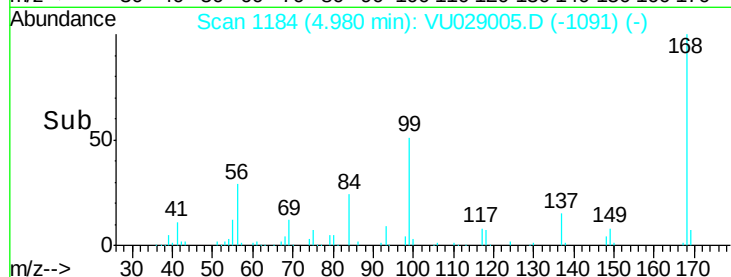
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.240 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029005.D

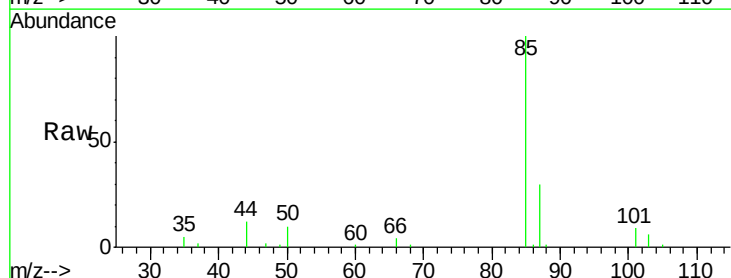
Acq: 03 Jan 2019 18:25

Tgt Ion: 85 Resp: 25539

Ion Ratio Lower Upper

85 100

87 30.5 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

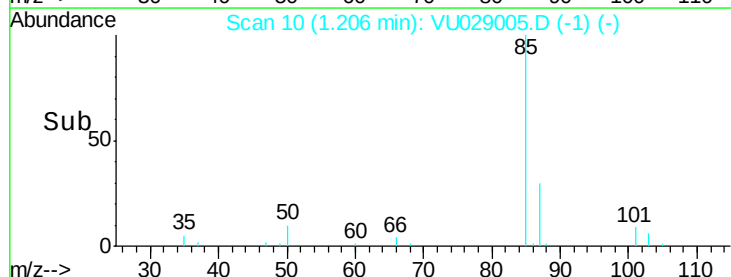
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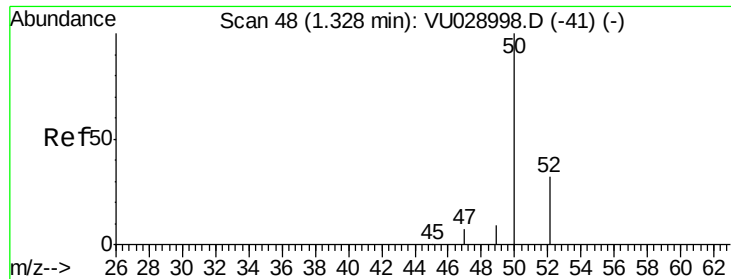
5000

0

1.20 1.25

Time-->

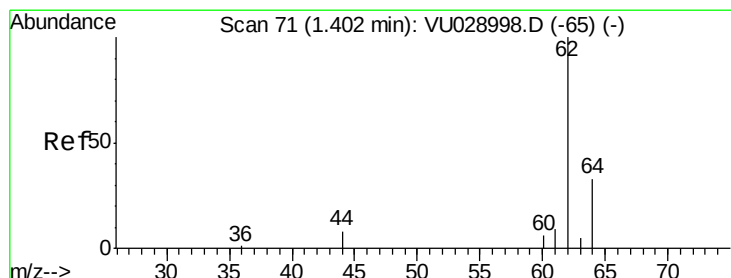
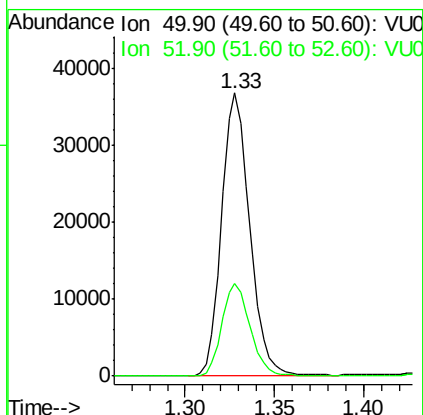
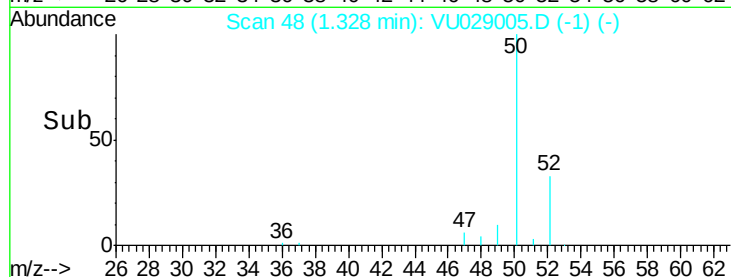
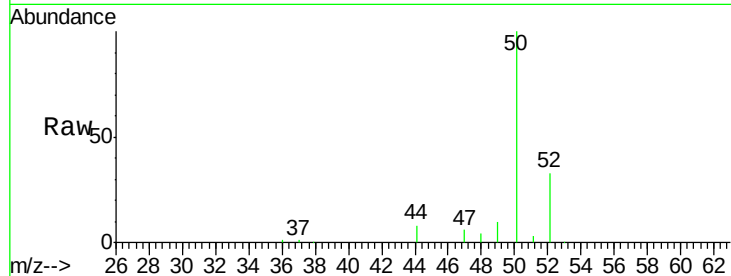




#3
 Chloromethane
 Concen: 19.580 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

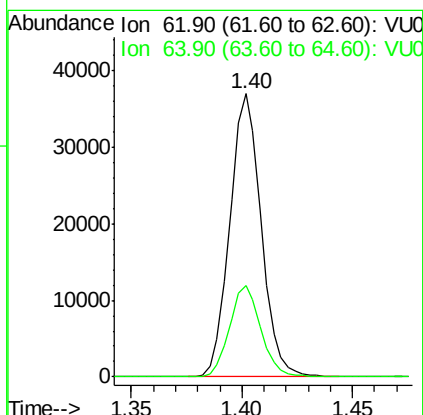
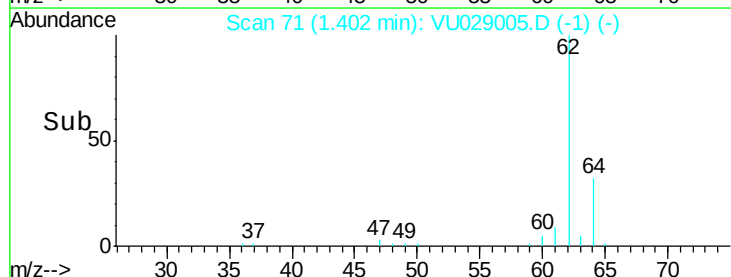
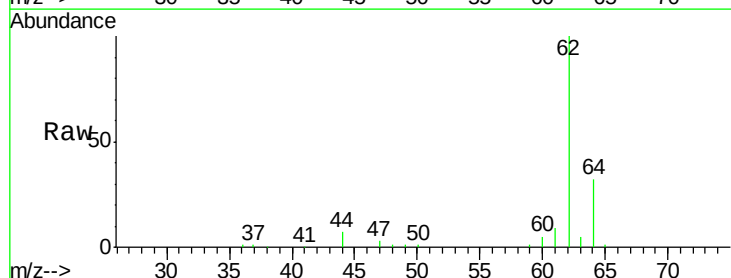
Instrument :
 MSVOA_U
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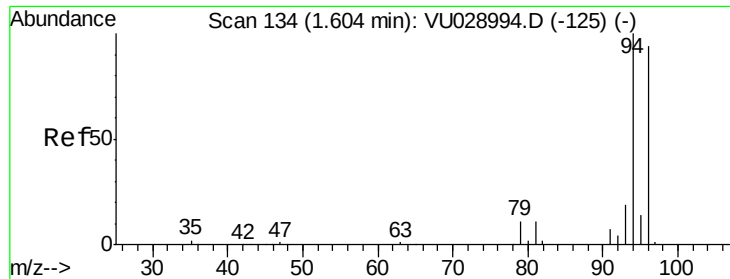
Tot Ion: 50 Resp: 40289
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.1 39.1



#4
 Vinyl Chloride
 Concen: 19.654 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 62 Resp: 36546
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.9 38.9

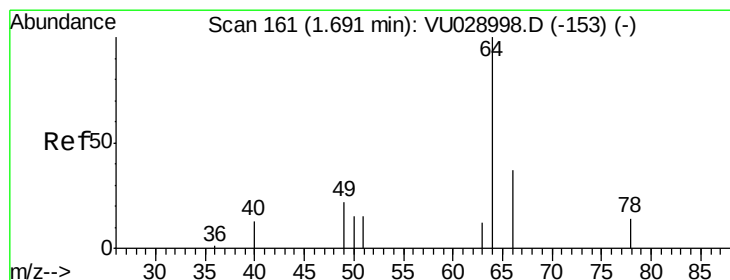
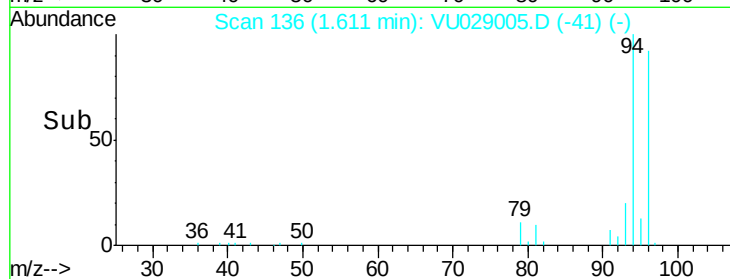
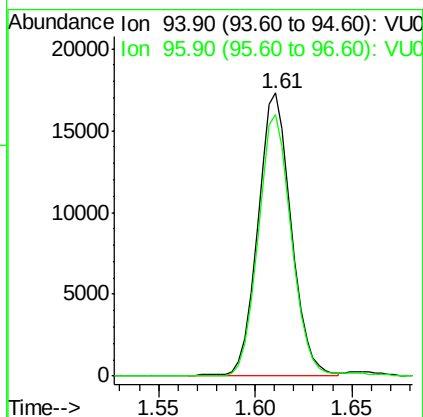
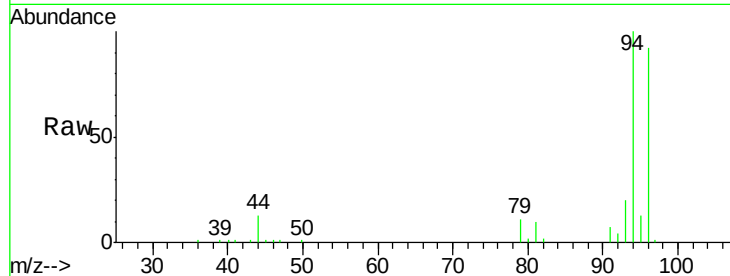




#5
Bromomethane
Concen: 19.891 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

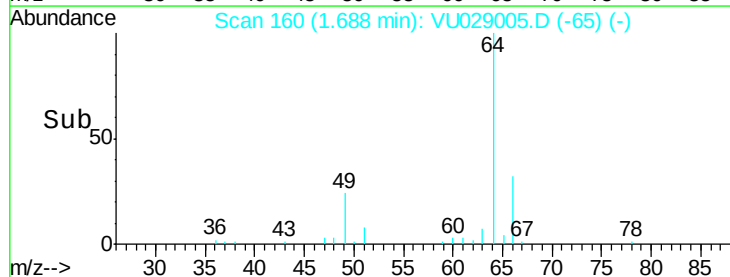
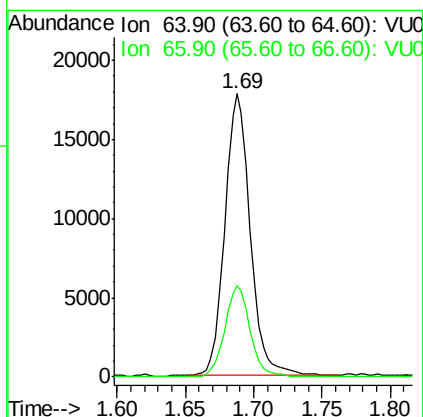
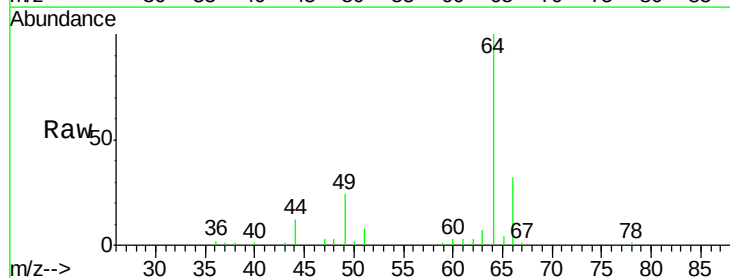
Instrument :
MSVOA_U
ClientSampleId :

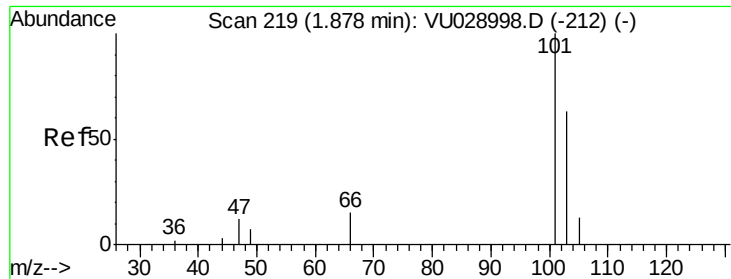
Tot Ion: 94 Resp: 20764
Ion Ratio Lower Upper
94 100
96 92.3 75.5 113.3



#6
Chloroethane
Concen: 20.563 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 64 Resp: 22775
Ion Ratio Lower Upper
64 100
66 32.4 25.2 37.8



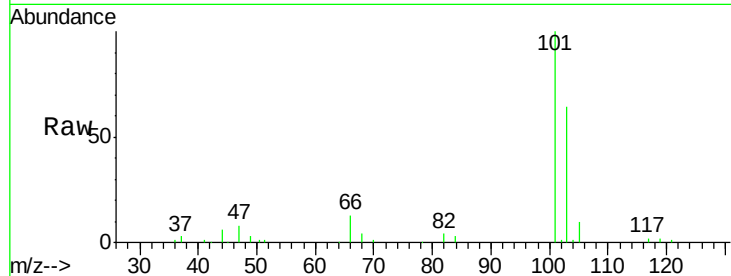


#7

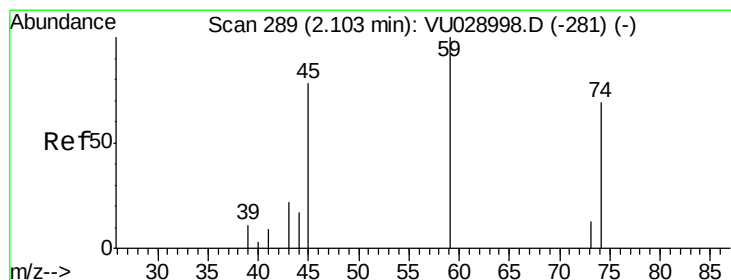
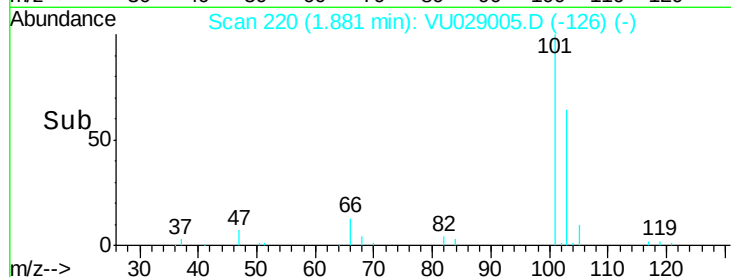
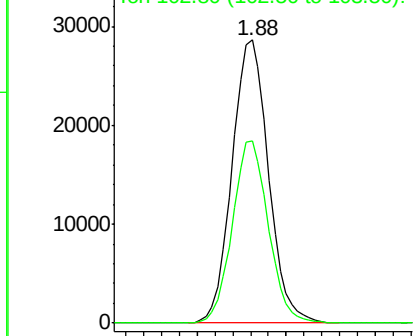
Trichlorofluoromethane
Concen: 20.018 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 40561
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3



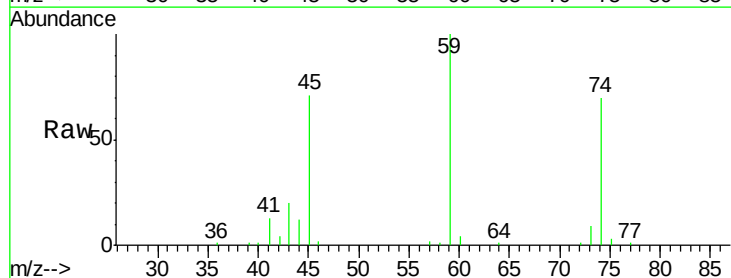
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



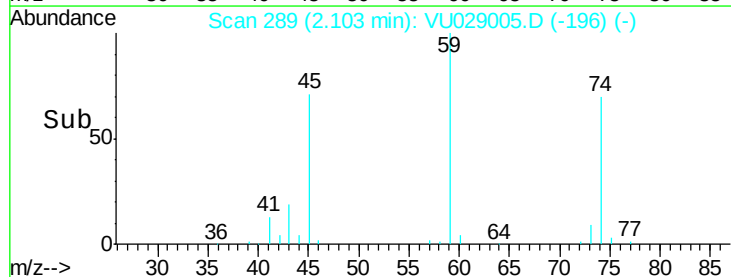
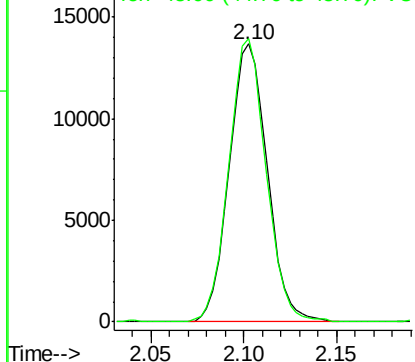
#8

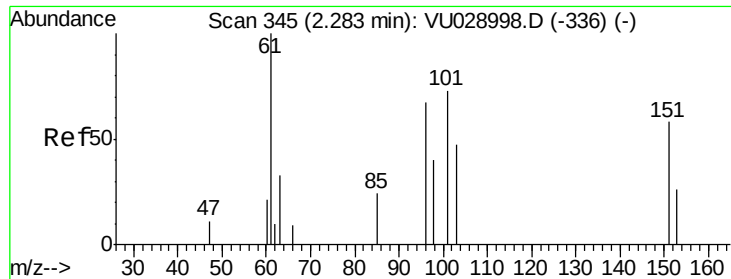
Diethyl Ether
Concen: 20.053 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 74 Resp: 19520
Ion Ratio Lower Upper
74 100
45 99.6 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: 19.390 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

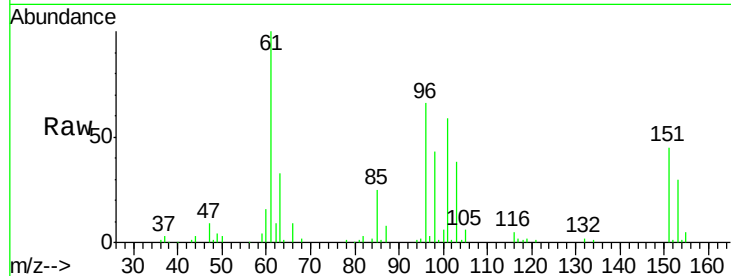
Tot Ion:101 Resp: 26288

Ion Ratio Lower Upper

101 100

85 43.1 35.1 52.7

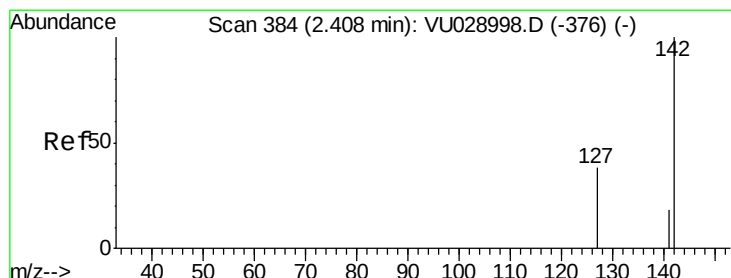
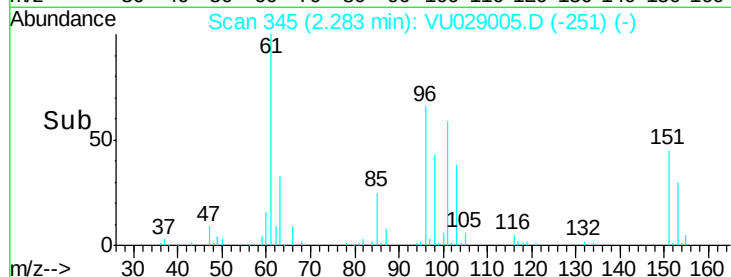
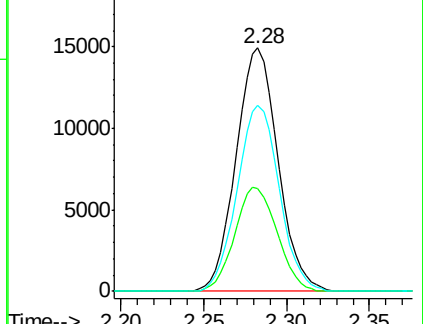
151 76.8 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.293 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

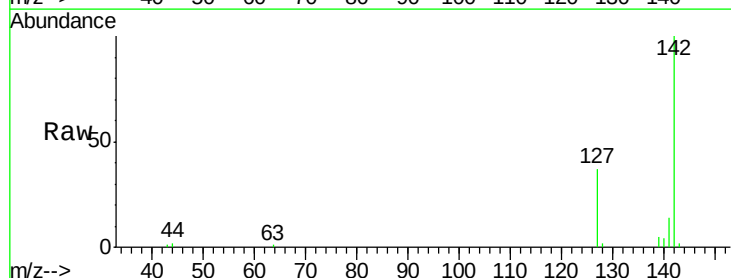
Tgt Ion:142 Resp: 27143

Ion Ratio Lower Upper

142 100

127 36.5 29.8 44.6

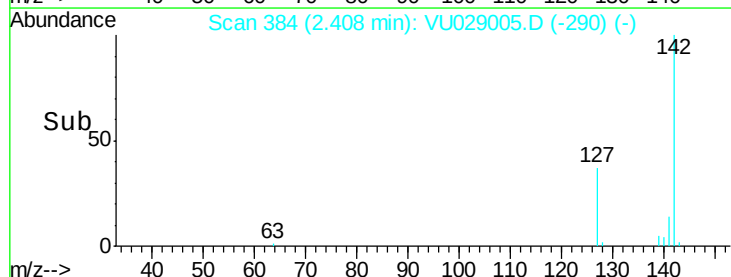
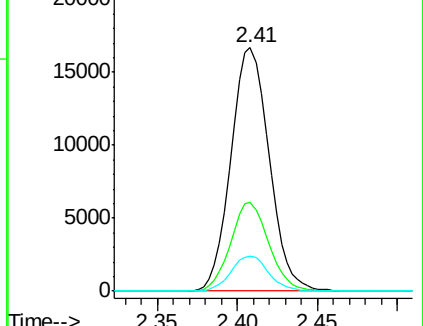
141 14.1 11.5 17.3

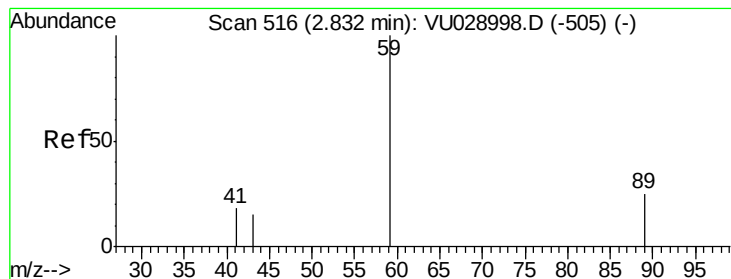


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.306 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

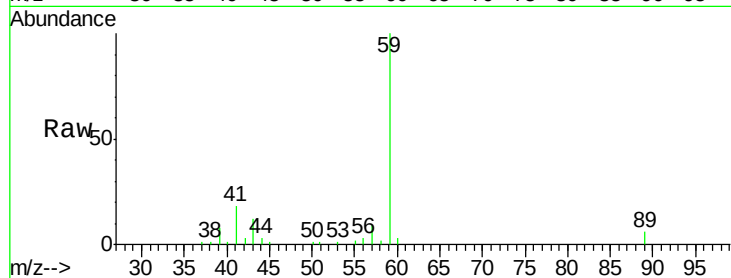
ClientSampled :

Tot Ion: 59 Resp: 38503

Ion Ratio Lower Upper

59 100

57 9.3 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

20000

15000

10000

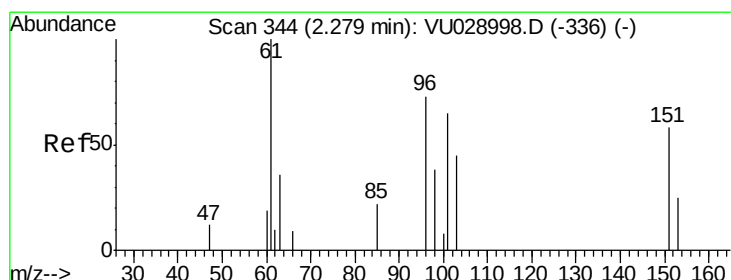
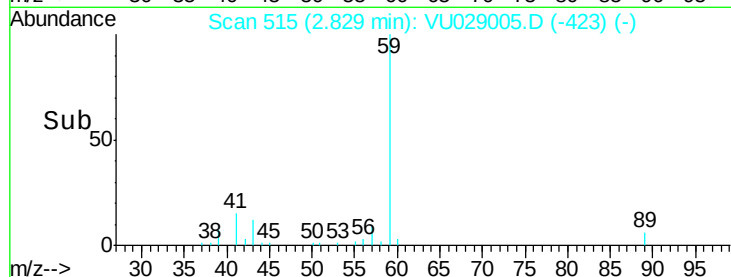
5000

0

Time-->

2.75 2.80 2.85 2.90

2.83



#12

1,1-Dichloroethene

Concen: 20.384 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

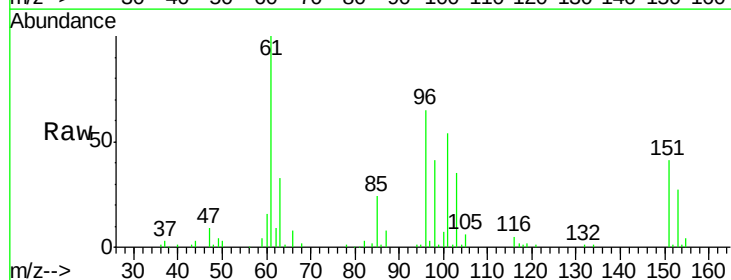
Tgt Ion: 96 Resp: 26899

Ion Ratio Lower Upper

96 100

61 154.1 125.4 188.0

98 63.4 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

30000

20000

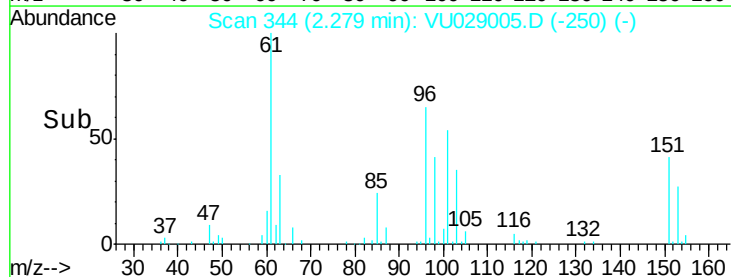
10000

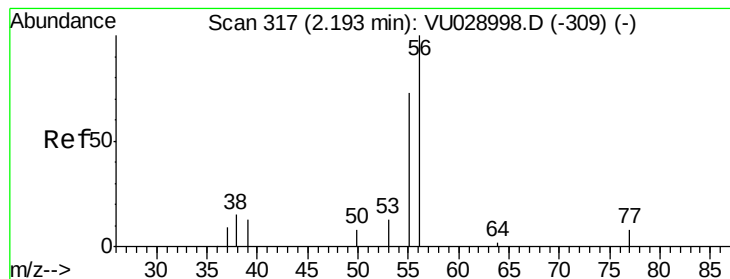
0

Time-->

2.20 2.25 2.30 2.35

2.28





#13

Acrolein

Concen: 96.954 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

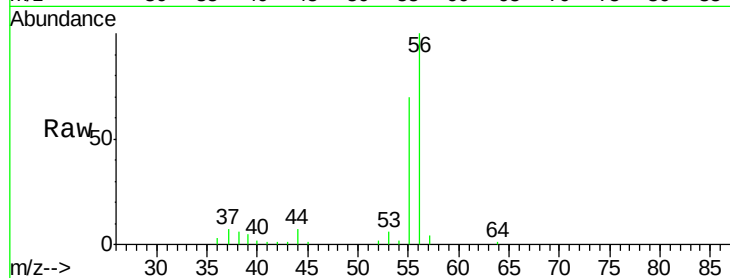
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 29106

Ion Ratio Lower Upper

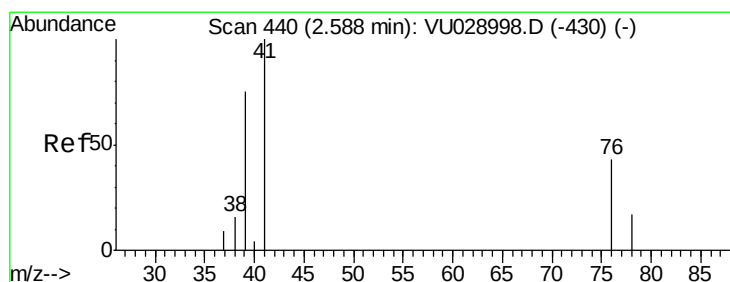
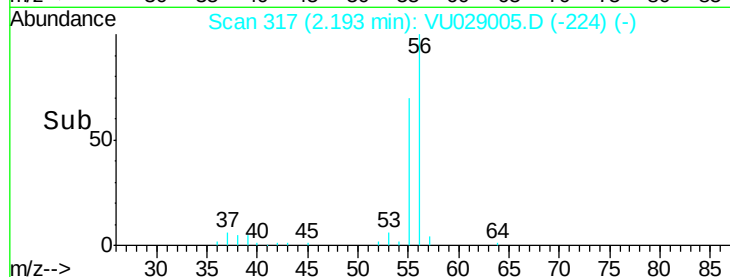
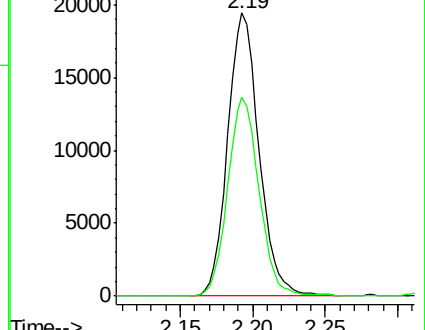
56 100

55 69.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU029005.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029005.D (-224) (-)



#14

Allyl chloride

Concen: 18.519 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

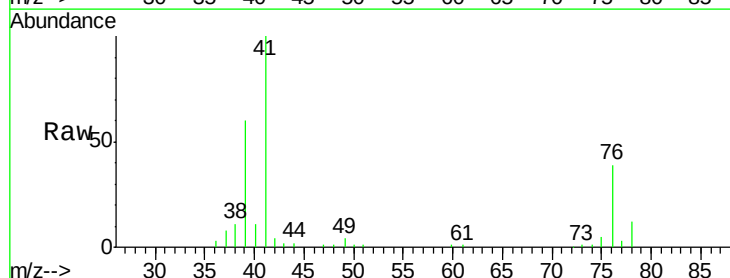
Tgt Ion: 41 Resp: 44839

Ion Ratio Lower Upper

41 100

39 62.6 45.0 67.6

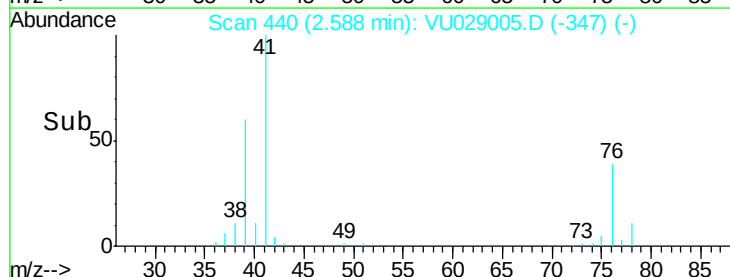
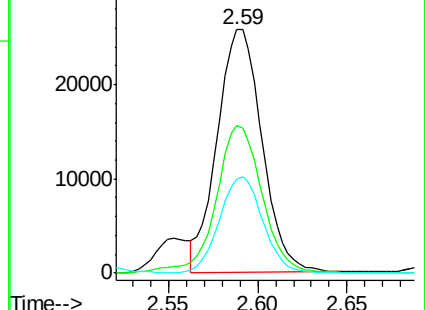
76 38.6 28.1 42.1

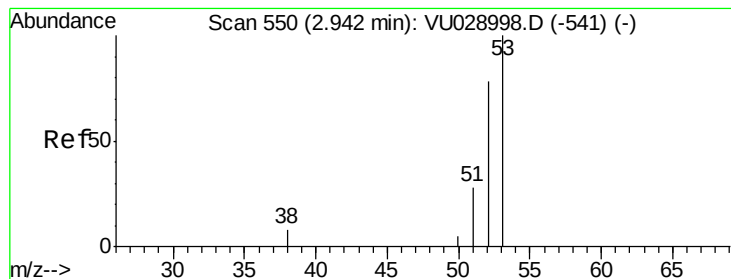


Abundance Ion 41.00 (40.70 to 41.70): VU029005.D (-347) (-)

Ion 39.00 (38.70 to 39.70): VU029005.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029005.D (-347) (-)





#15

Acrylonitrile

Concen: 100.587 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :

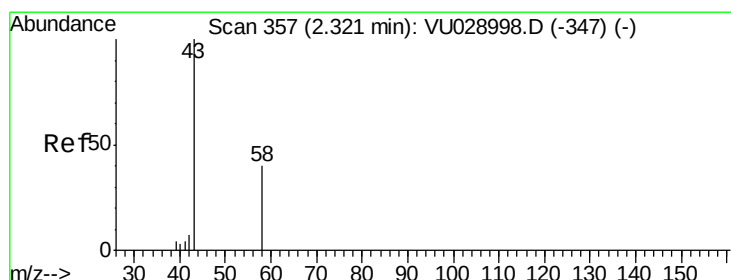
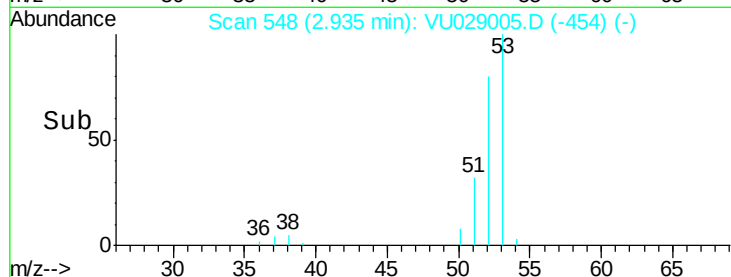
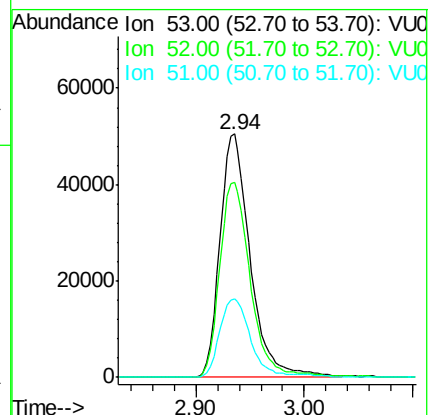
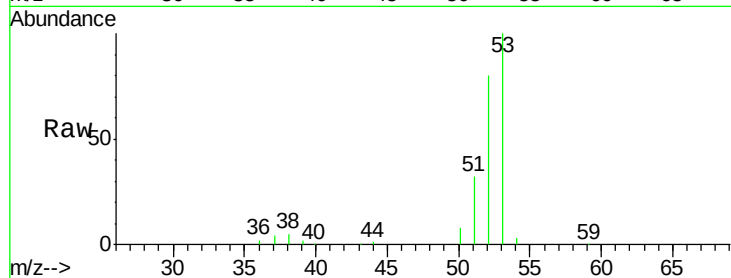
Tot Ion: 53 Resp: 98660

Ion Ratio Lower Upper

53 100

52 81.3 64.8 97.2

51 33.5 27.3 40.9



#16

Acetone

Concen: 81.846 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029005.D

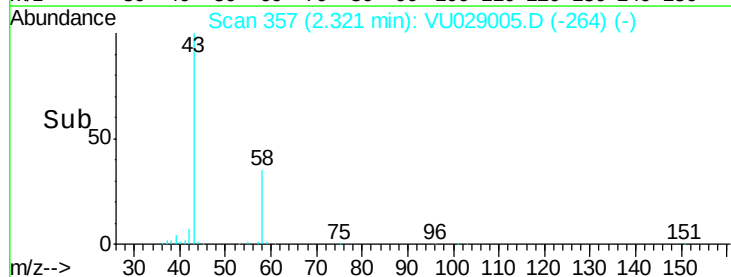
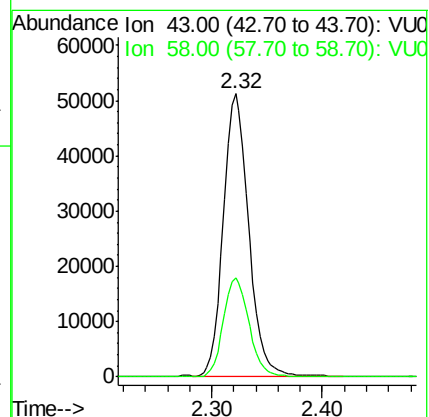
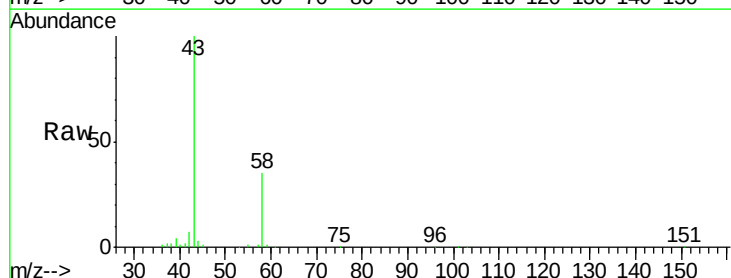
Acq: 03 Jan 2019 18:25

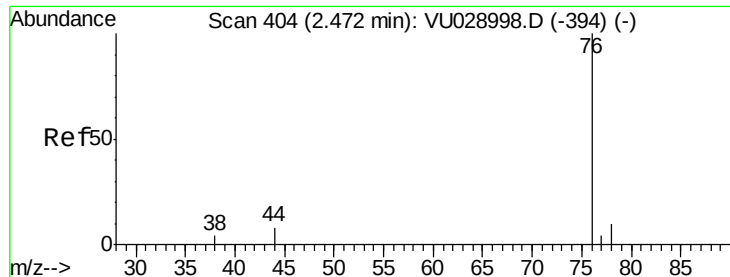
Tgt Ion: 43 Resp: 81096

Ion Ratio Lower Upper

43 100

58 34.9 28.6 42.8





#17

Carbon Disulfide

Concen: 19.678 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

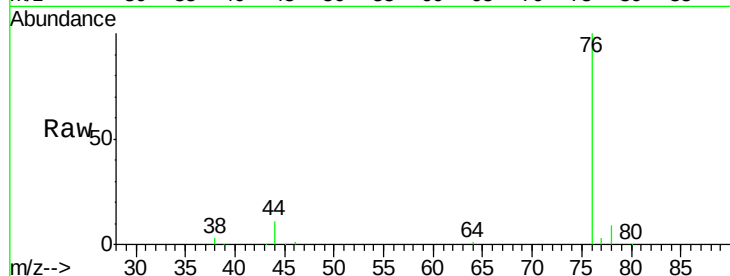
ClientSampleId :

Tot Ion: 76 Resp: 87463

Ion Ratio Lower Upper

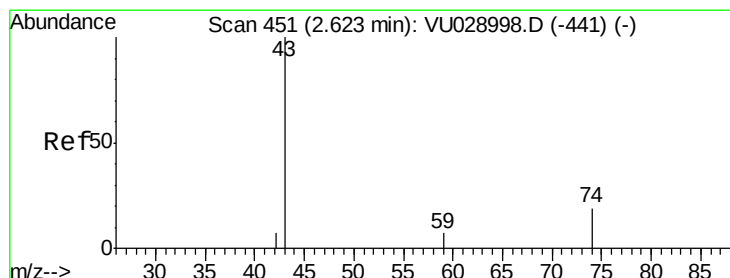
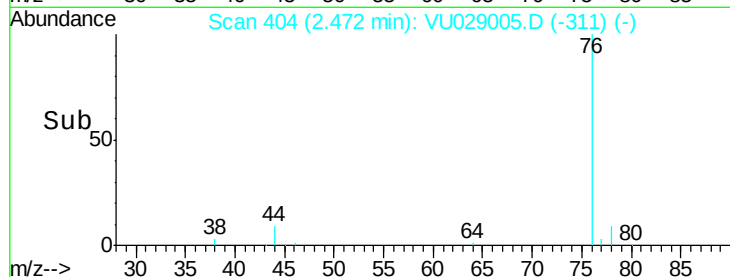
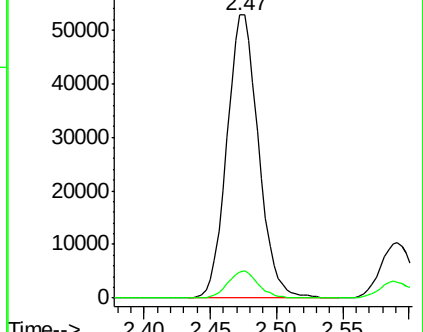
76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VU028998.D (-394) (-)



#18

Methyl Acetate

Concen: 19.955 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029005.D

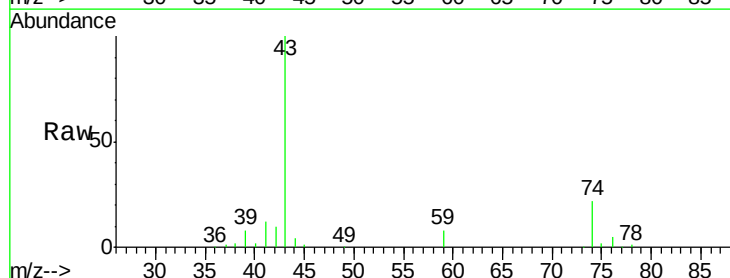
Acq: 03 Jan 2019 18:25

Tgt Ion: 43 Resp: 45974

Ion Ratio Lower Upper

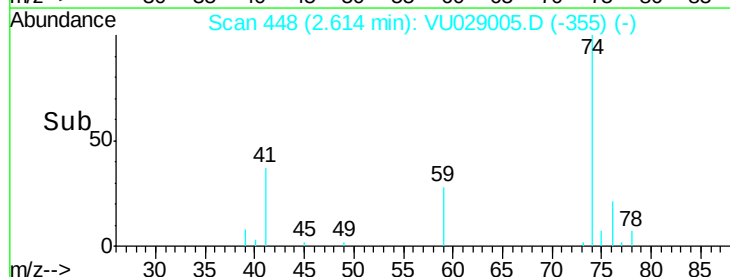
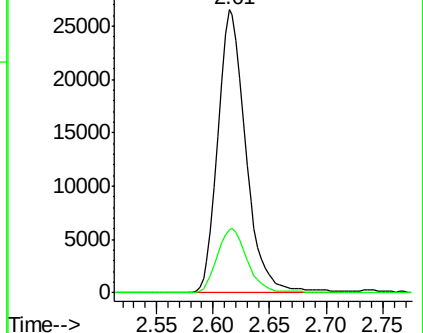
43 100

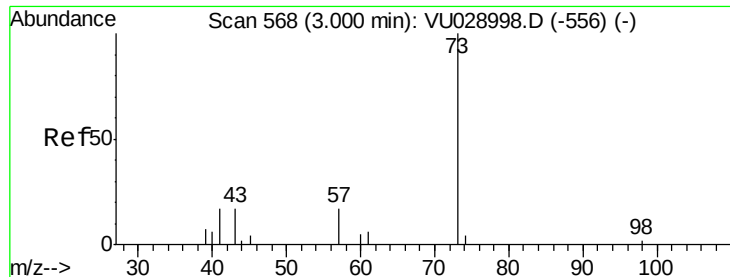
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VU028998.D (-441) (-)

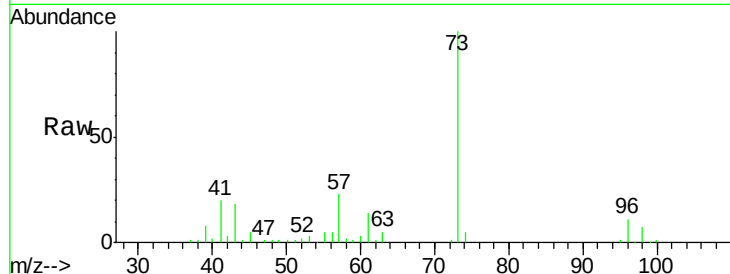




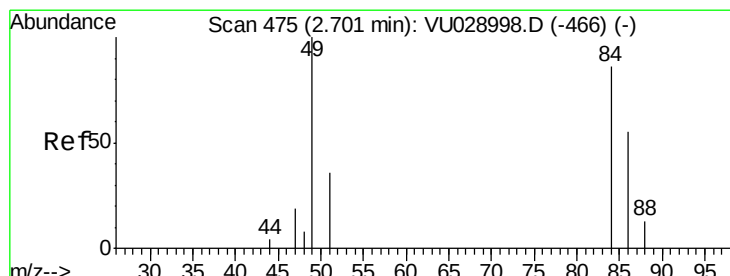
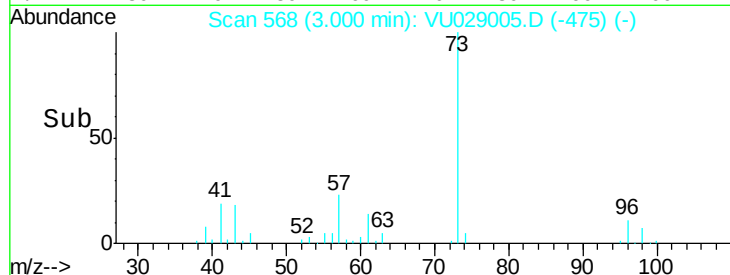
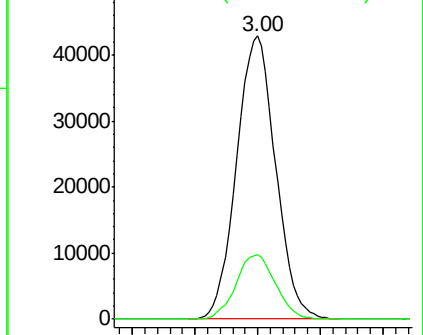
#19
Methyl tert-butyl Ether
Concen: 20.012 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 92842
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

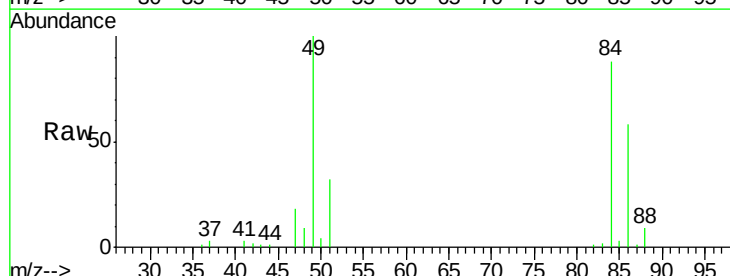


Abundance Ion 73.00 (72.70 to 73.70): VU028998.D (-556) (-)
Ion 57.00 (56.70 to 57.70): VU028998.D (-556) (-)

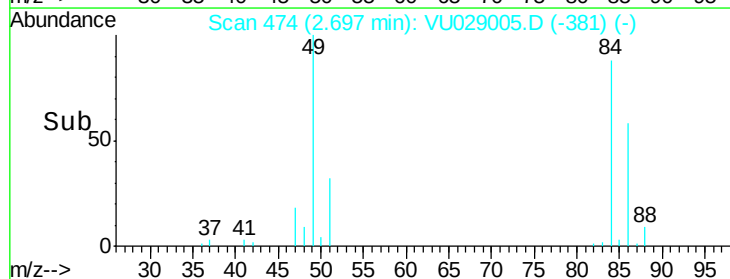
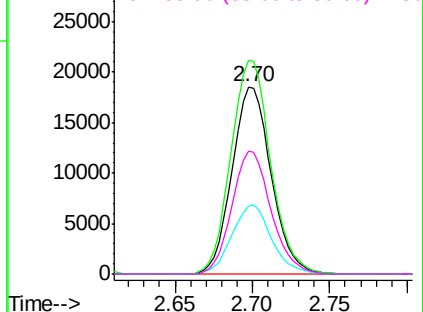


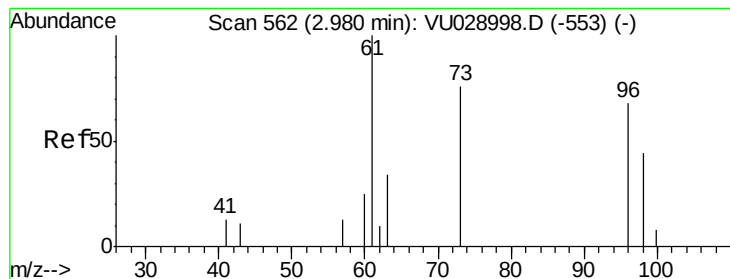
#20
Methylene Chloride
Concen: 19.346 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 84 Resp: 32546
Ion Ratio Lower Upper
84 100
49 113.9 91.9 137.9
51 36.0 29.2 43.8
86 65.7 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VU028998.D (-466) (-)
Ion 48.90 (48.60 to 49.60): VU028998.D (-466) (-)
Ion 50.90 (50.60 to 51.60): VU028998.D (-466) (-)
Ion 85.90 (85.60 to 86.60): VU028998.D (-466) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.519 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

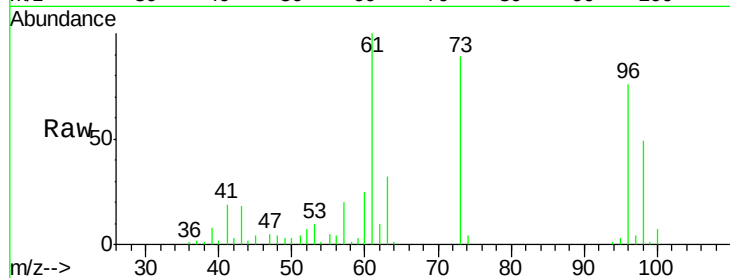
Tot Ion: 96 Resp: 29925

Ion Ratio Lower Upper

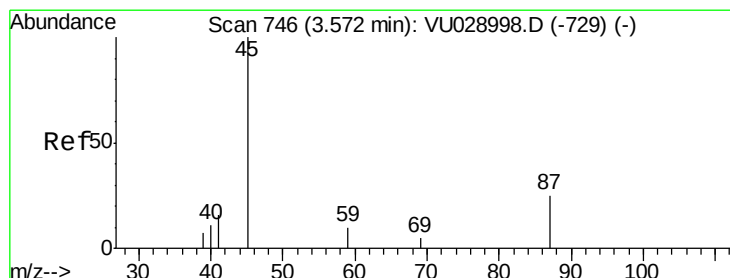
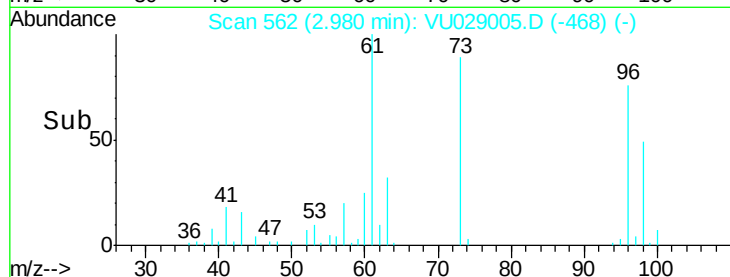
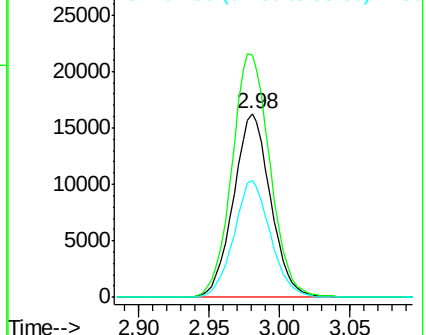
96 100

61 131.8 107.7 161.5

98 64.0 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: 20.462 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion: 45 Resp: 97916

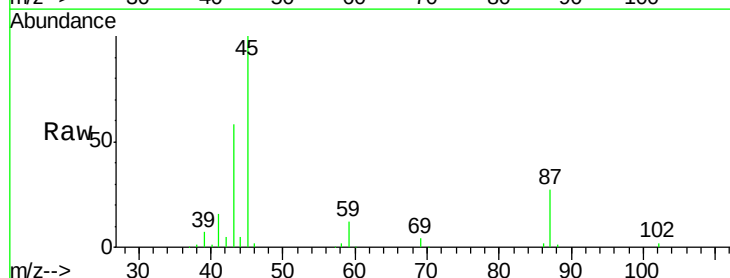
Ion Ratio Lower Upper

45 100

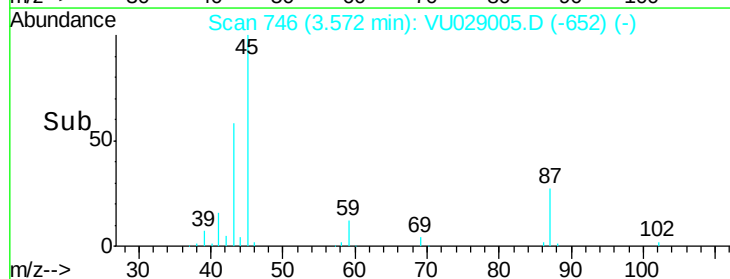
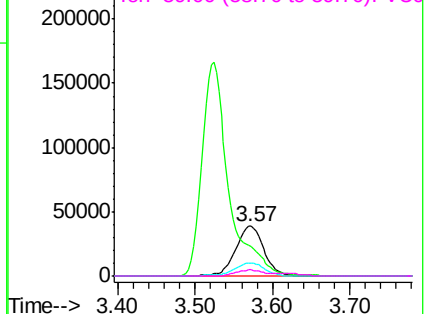
43 57.4 44.7 67.1

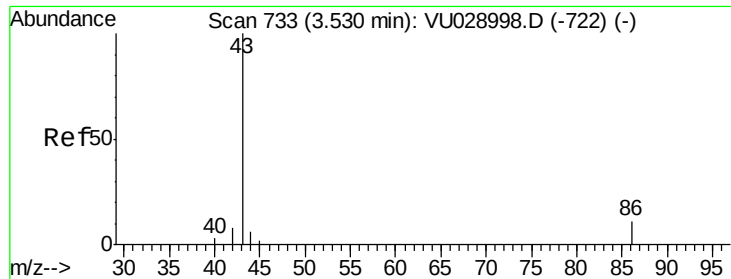
87 26.8 22.2 33.2

59 11.9 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

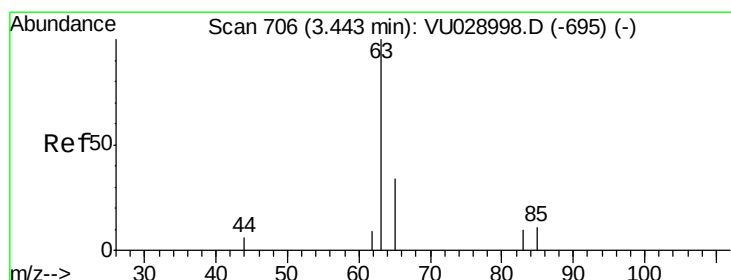
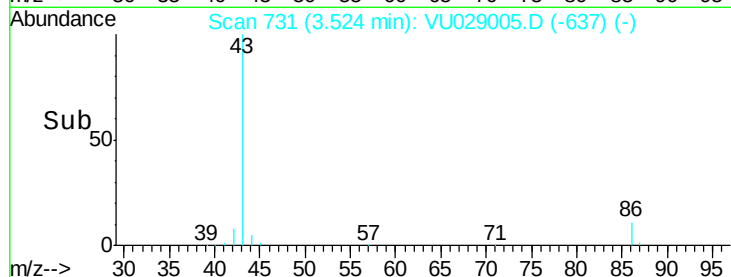
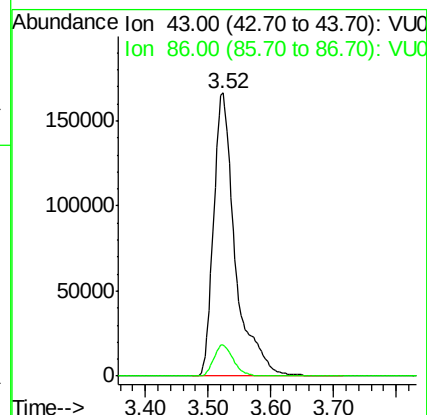
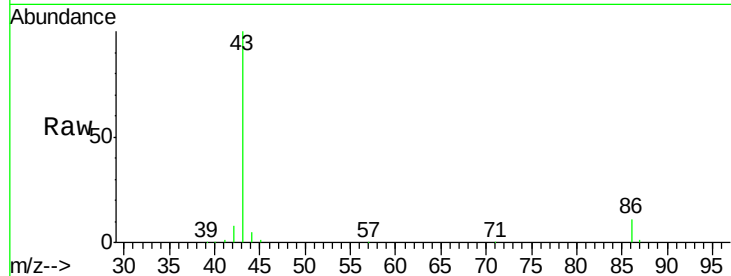




#23
 Vinyl Acetate
 Concen: 102.519 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

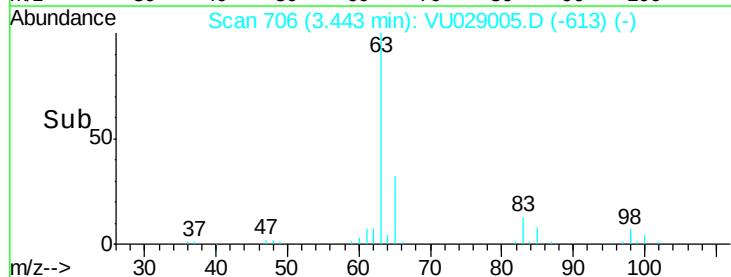
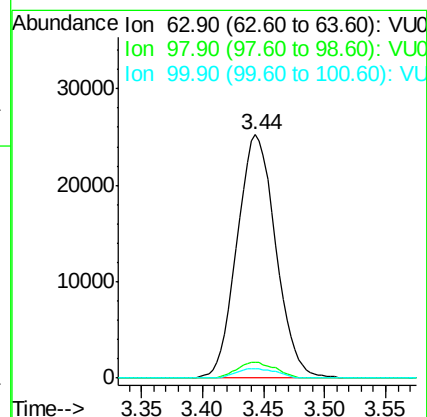
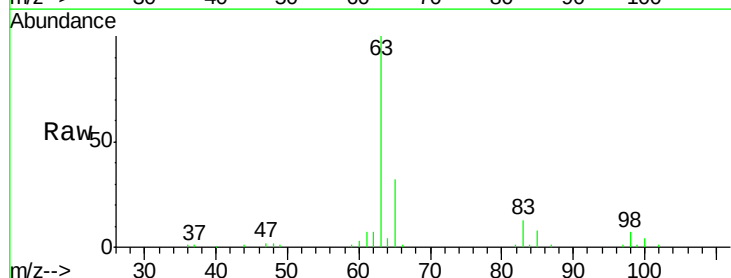
Instrument :
 MSVOA_U
 ClientSampleId :

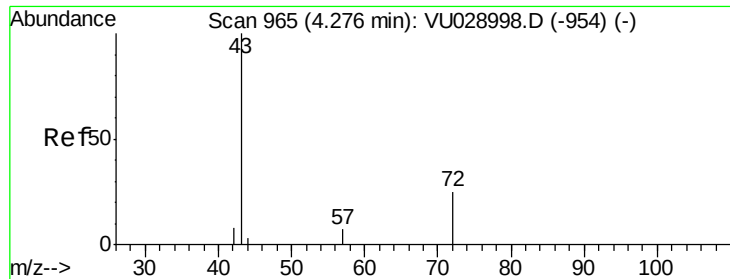
Tot Ion: 43 Resp: 401054
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.064 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 63 Resp: 55426
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 95.677 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

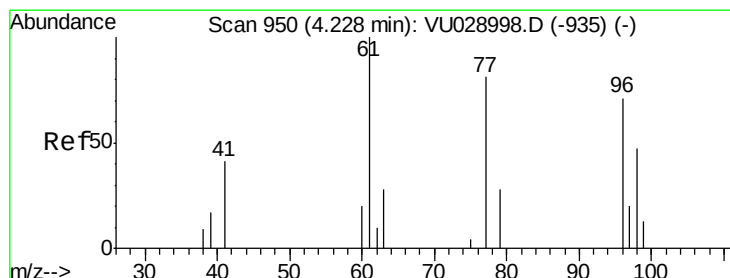
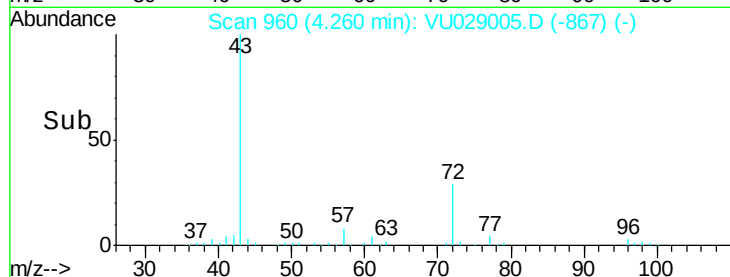
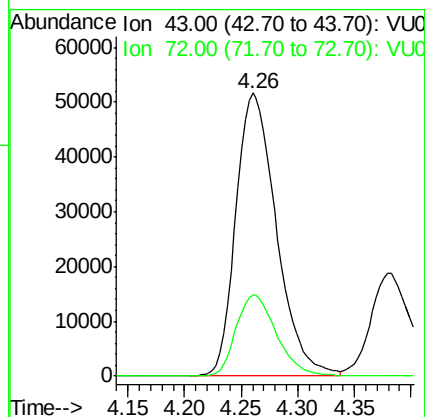
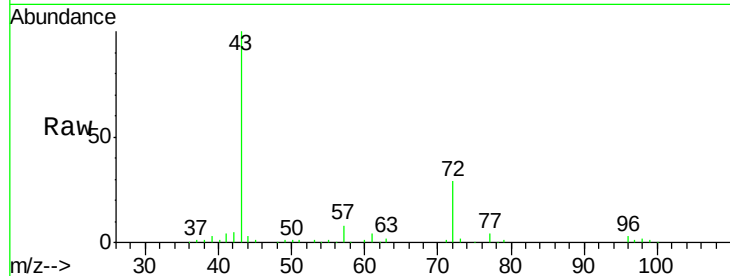
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 128042

Ion Ratio Lower Upper

43 100

72 28.8 22.6 33.8



#26

2,2-Dichloropropane

Concen: 19.330 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029005.D

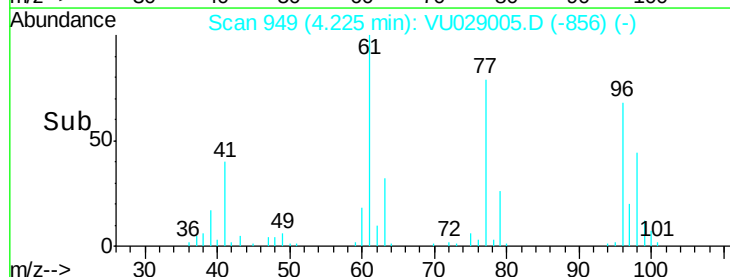
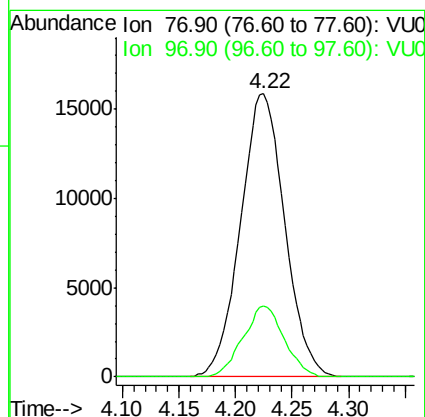
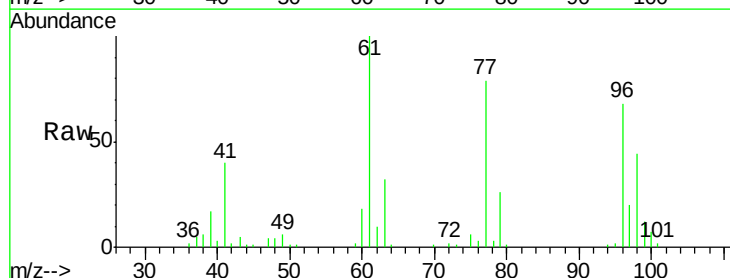
Acq: 03 Jan 2019 18:25

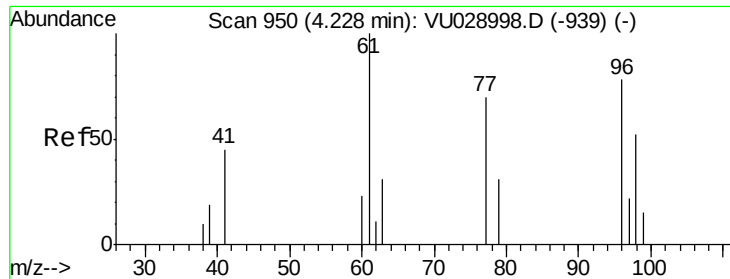
Tgt Ion: 77 Resp: 43146

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.1

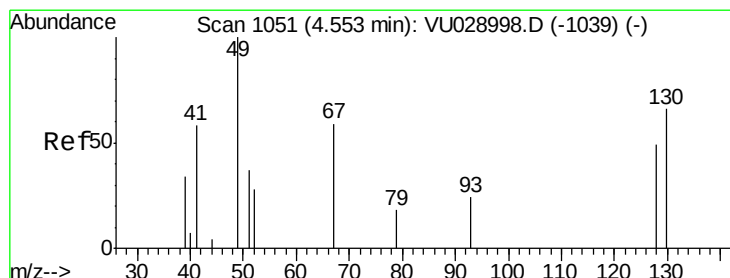
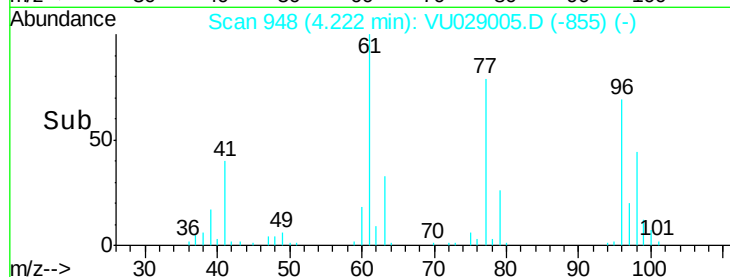
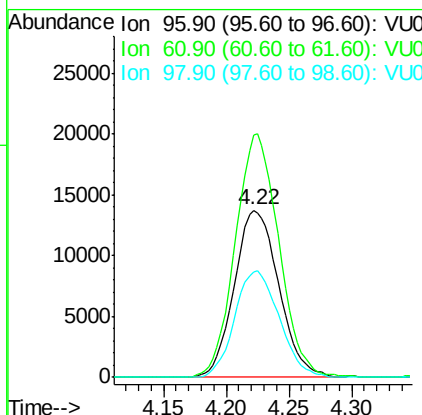
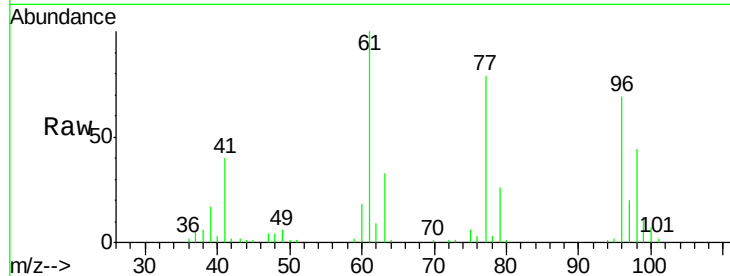




#27
 cis-1,2-Dichloroethene
 Concen: 20.224 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

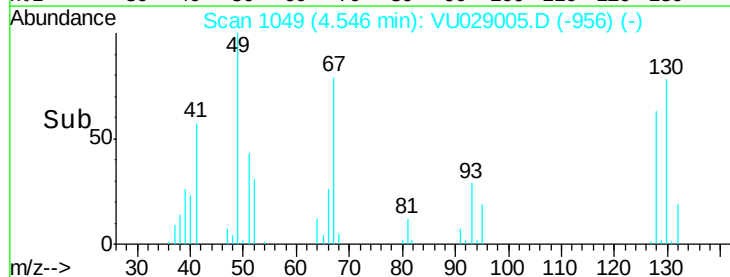
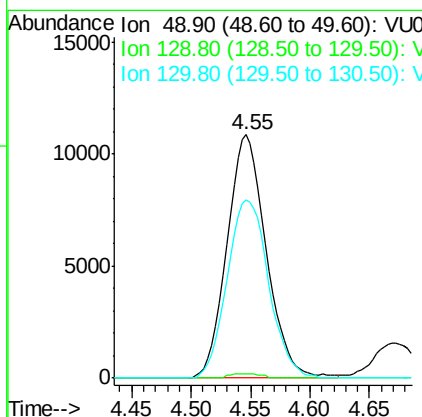
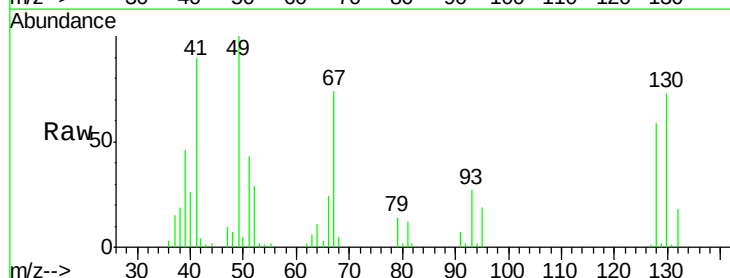
Instrument :
 MSVOA_U
 ClientSampled :

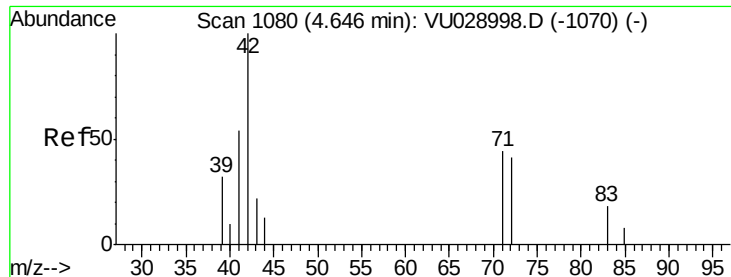
Tot Ion: 96 Resp: 33912
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 285.6
 98 63.7 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.932 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 49 Resp: 24759
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.4
 130 77.5 62.9 94.3





#29

Tetrahydrofuran

Concen: 100.182 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

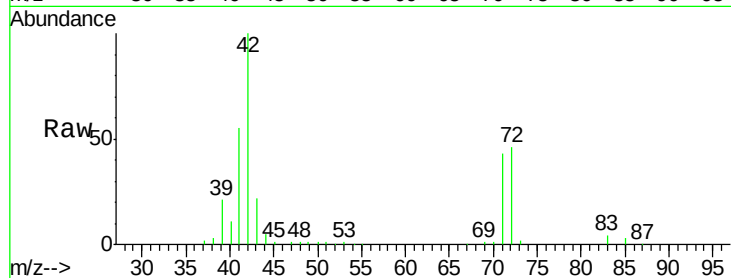
Tot Ion: 42 Resp: 81316

Ion Ratio Lower Upper

42 100

72 47.6 38.3 57.5

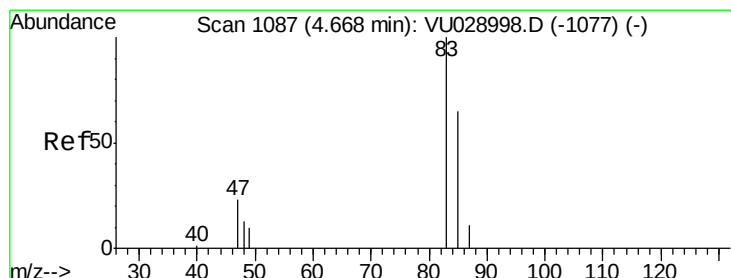
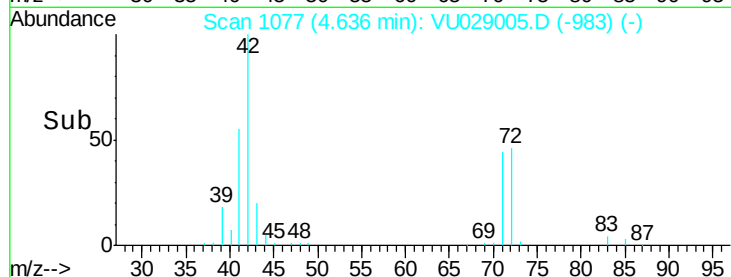
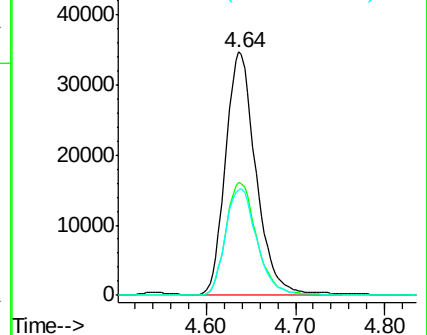
71 45.6 36.1 54.1



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.093 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU029005.D

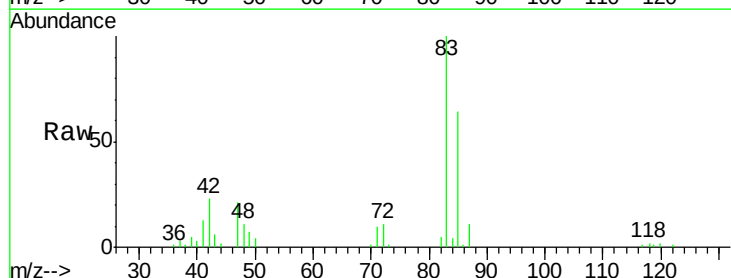
Acq: 03 Jan 2019 18:25

Tgt Ion: 83 Resp: 52866

Ion Ratio Lower Upper

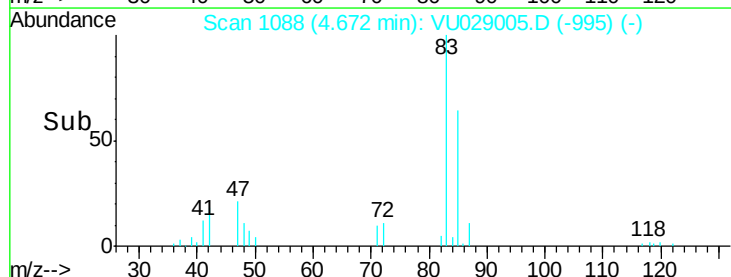
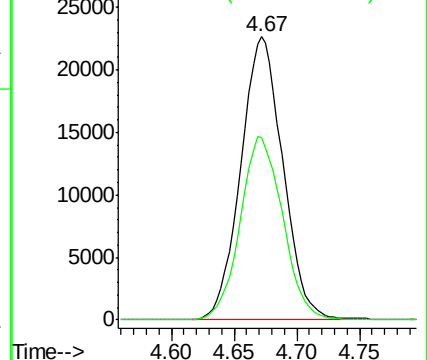
83 100

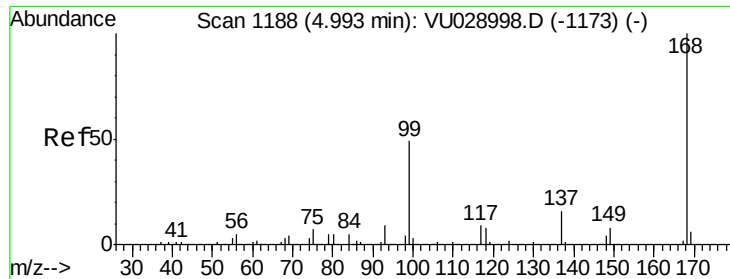
85 64.3 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

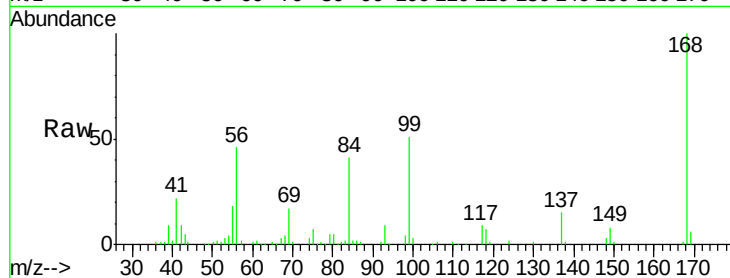




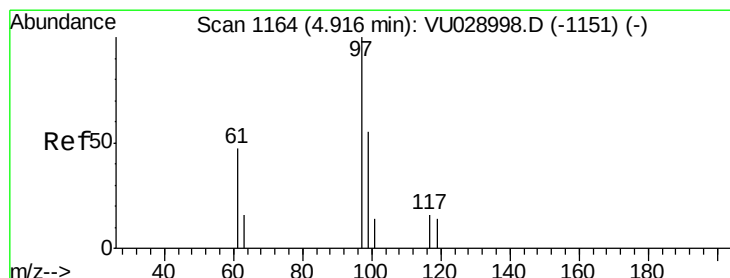
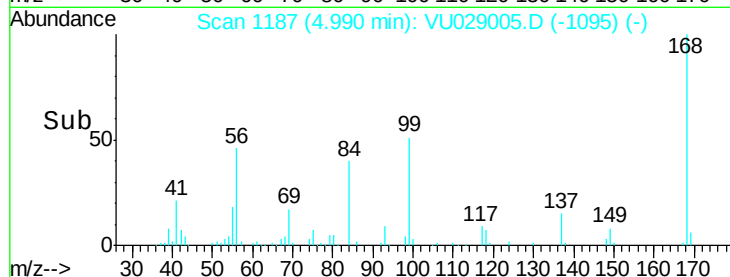
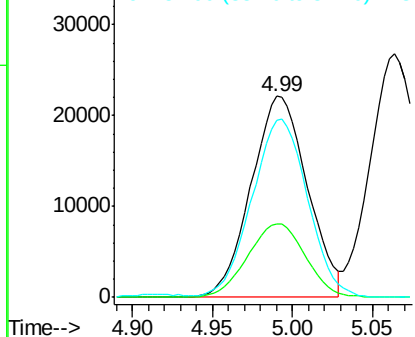
#31
Cyclohexane
Concen: 19.929 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 53730
Ion Ratio Lower Upper
56 100
69 36.4 26.7 40.1
84 87.1 65.7 98.5

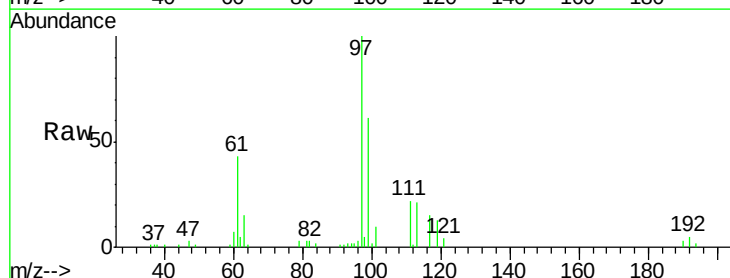


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

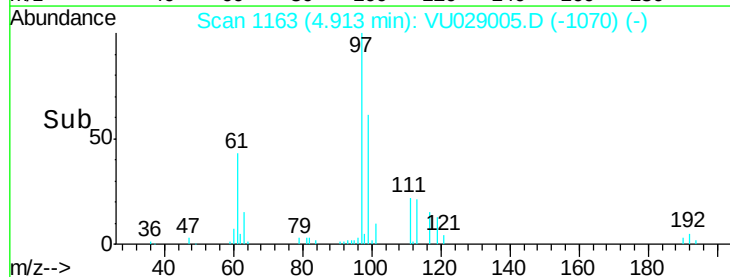
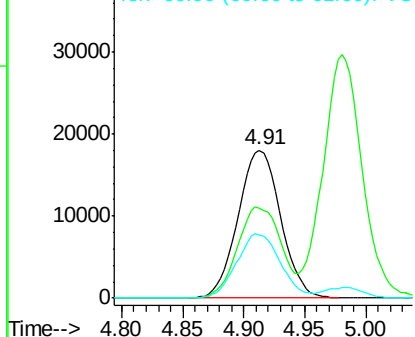


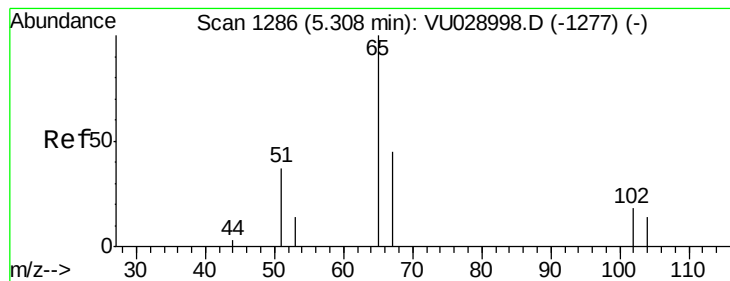
#32
1,1,1-Trichloroethane
Concen: 20.025 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 97 Resp: 43536
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 44.6 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: 50.886 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

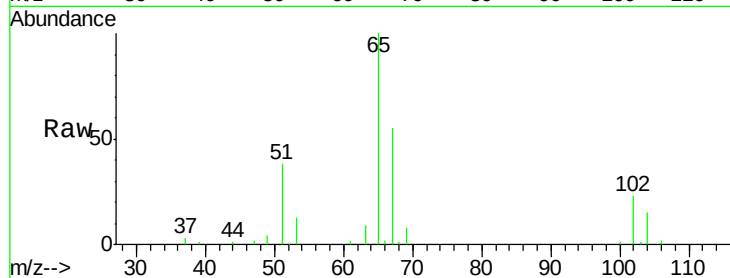
ClientSampleId :

Tot Ion: 65 Resp: 80036

Ion Ratio Lower Upper

65 100

67 56.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU028998.D (-1277) (-)

Ion 66.90 (66.60 to 67.60): VU028998.D (-1277) (-)

5.31

40000

30000

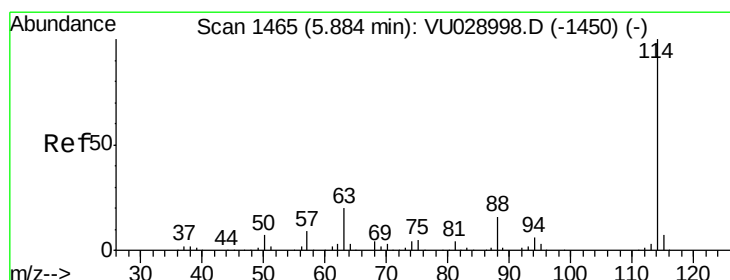
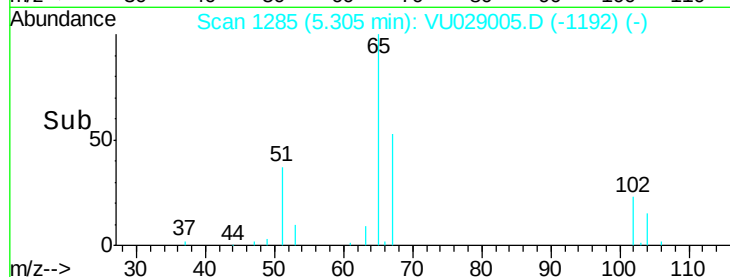
20000

10000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

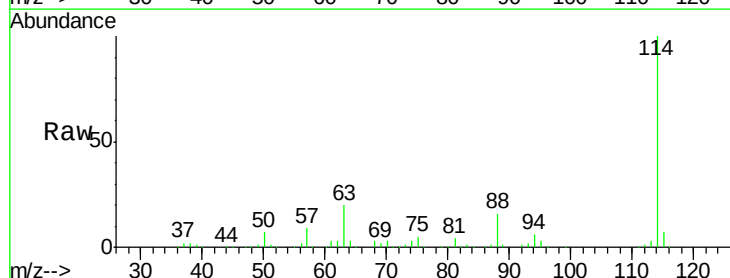
Tgt Ion: 114 Resp: 214015

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VU028998.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028998.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028998.D (-1450) (-)

5.88

150000

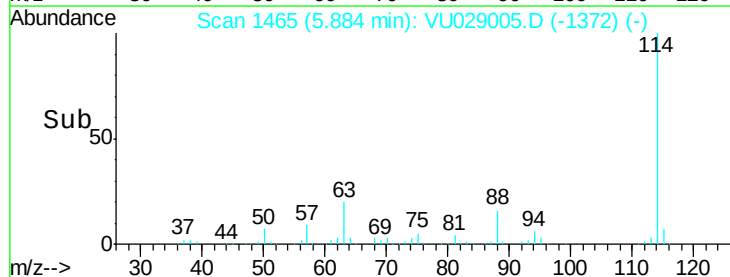
100000

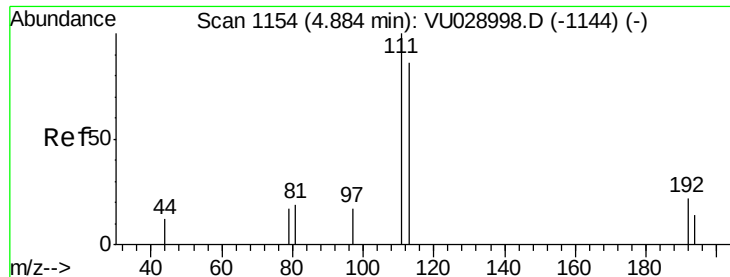
50000

0

Time-->

5.80 5.90 6.00

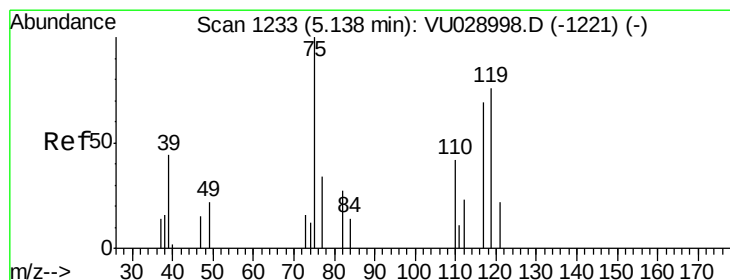
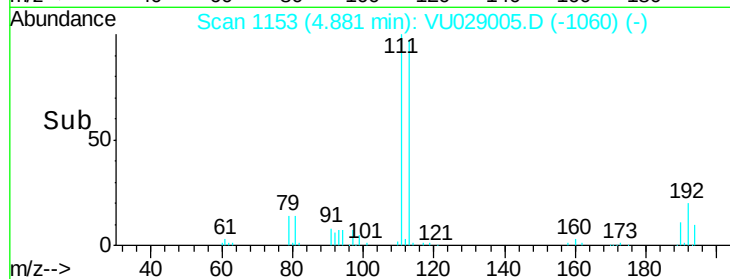
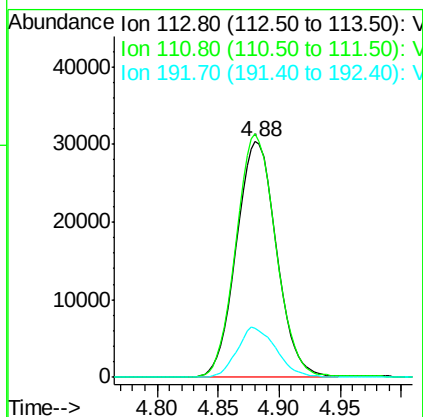
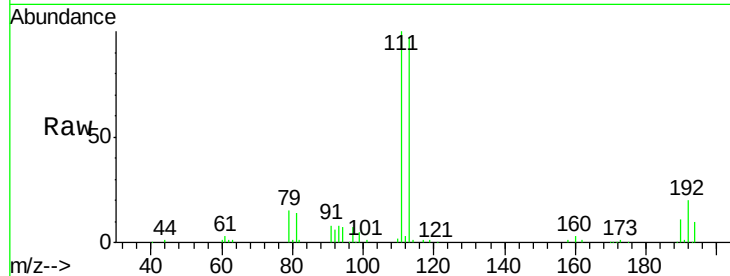




#35
 Dibromofluoromethane
 Concen: 49.910 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

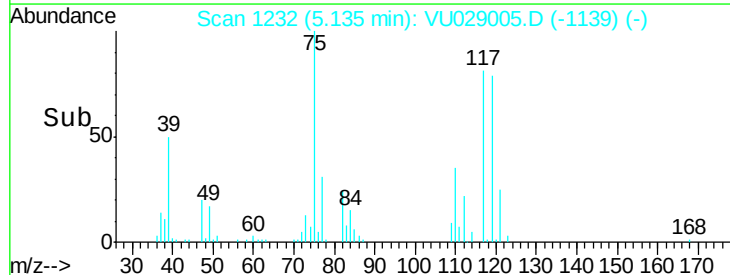
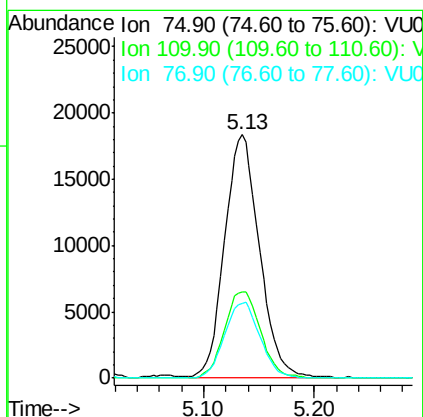
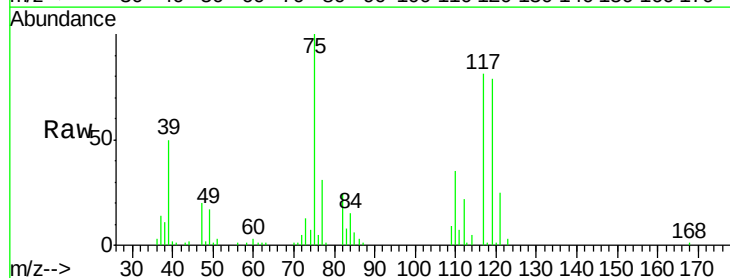
Instrument :
 MSVOA_U
 ClientSampleId :

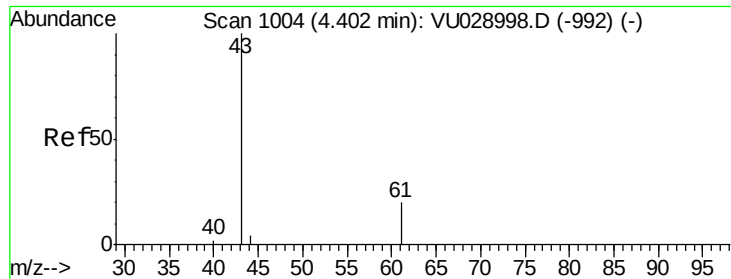
Tot Ion:113 Resp: 69240
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.2
 192 20.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 18.871 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 75 Resp: 40369
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.4 55.4
 77 31.3 25.1 37.7

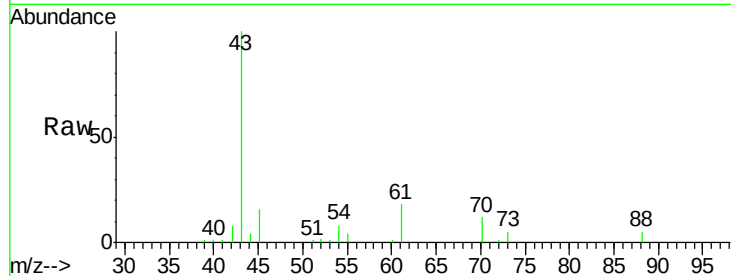




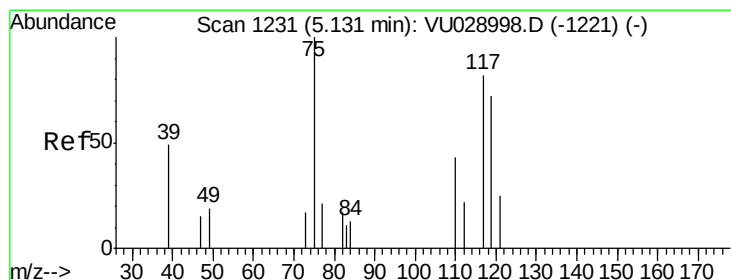
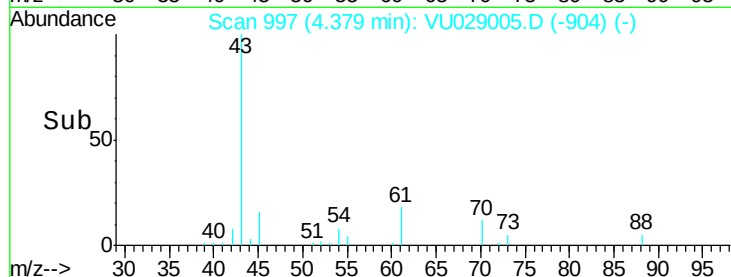
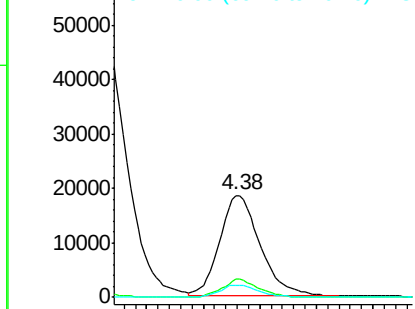
#37
Ethyl Acetate
Concen: 19.539 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 45879
Ion Ratio Lower Upper
43 100
61 16.4 12.6 18.8
70 11.9 9.3 13.9

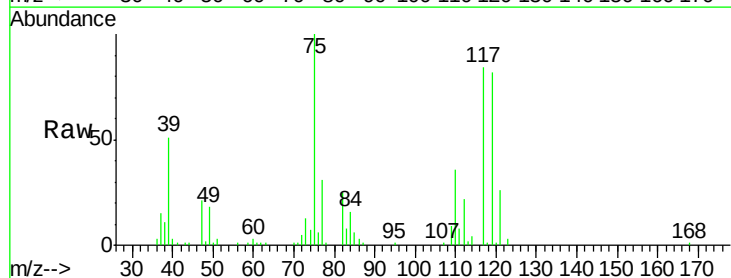


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

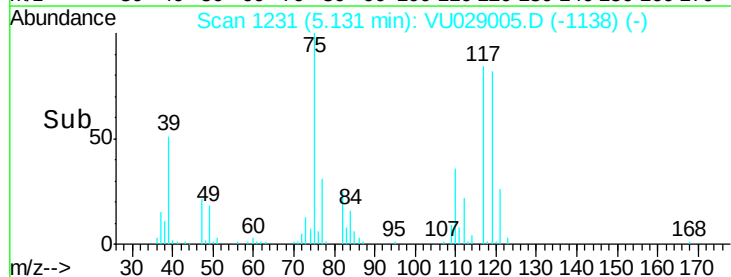
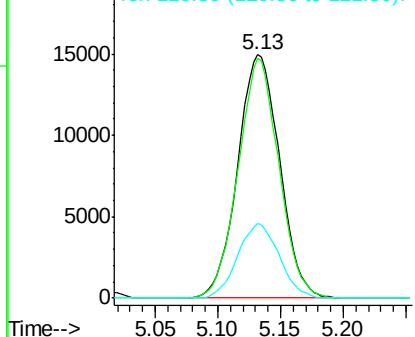


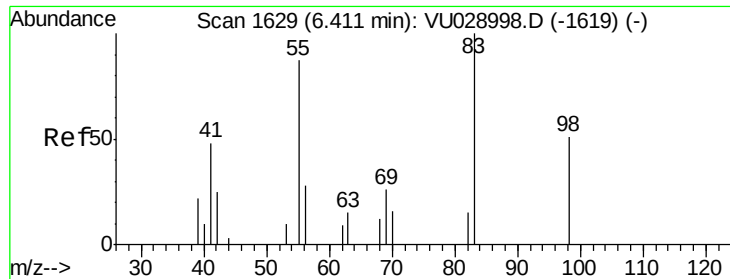
#38
Carbon Tetrachloride
Concen: 19.475 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 117 Resp: 34746
Ion Ratio Lower Upper
117 100
119 98.6 74.6 111.8
121 30.8 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

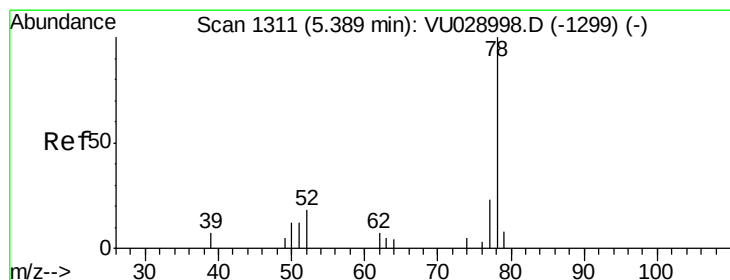
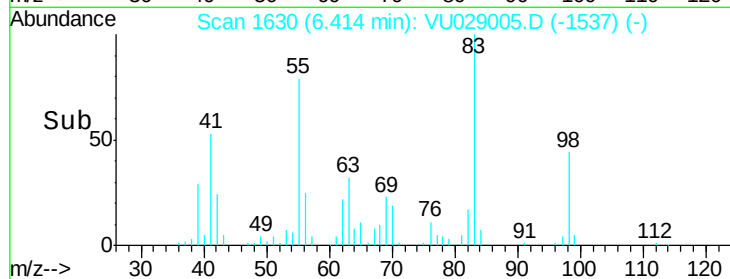
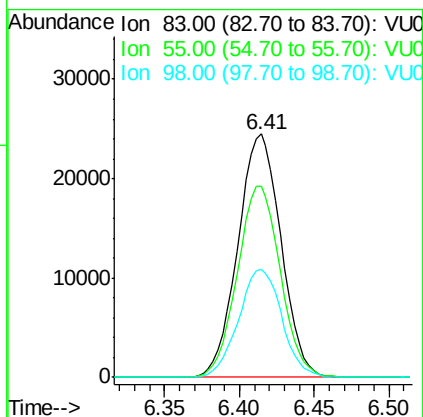
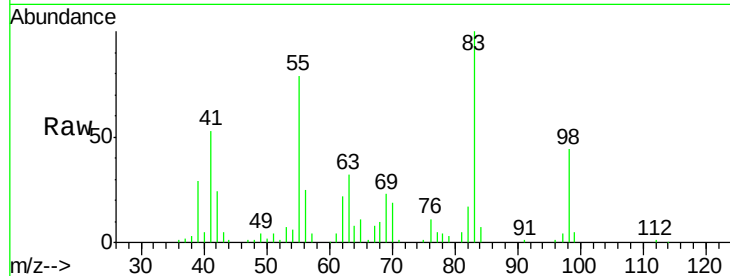




#39
Methylvlcyclohexane
Concen: 18.662 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

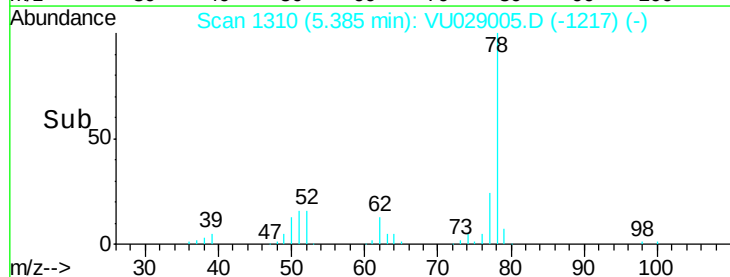
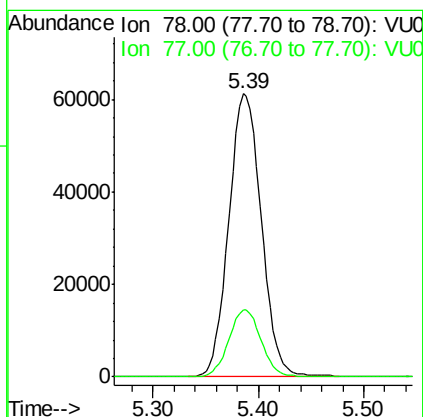
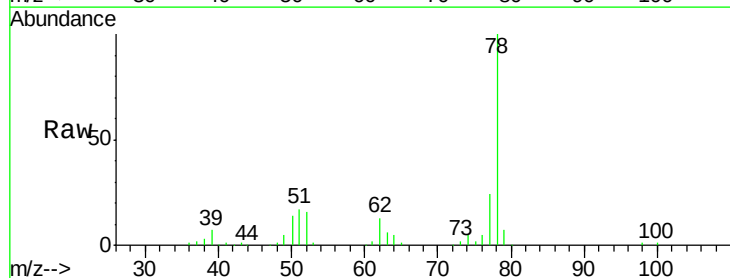
Instrument :
MSVOA_U
ClientSampleId :

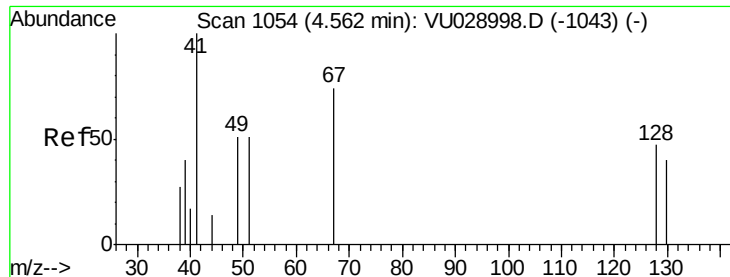
Tot Ion: 83 Resp: 49077
Ion Ratio Lower Upper
83 100
55 78.6 62.4 93.6
98 44.1 36.2 54.2



#40
Benzene
Concen: 19.644 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 78 Resp: 131080
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

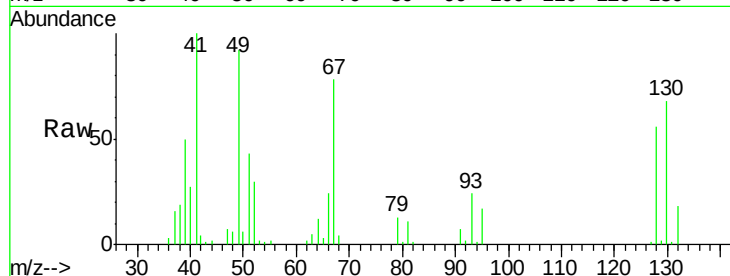




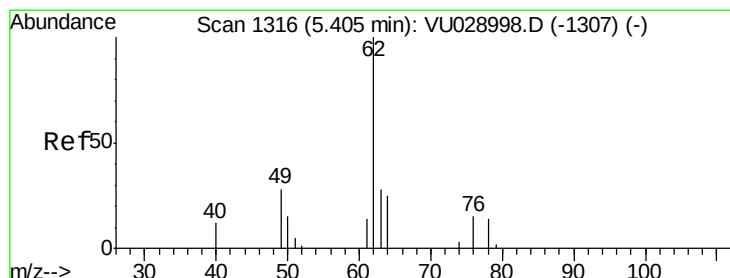
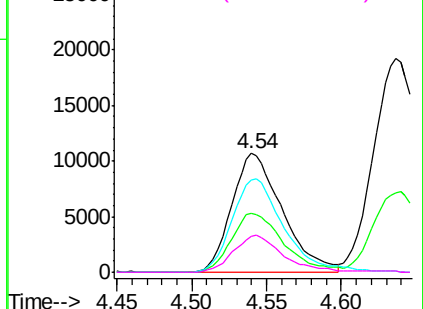
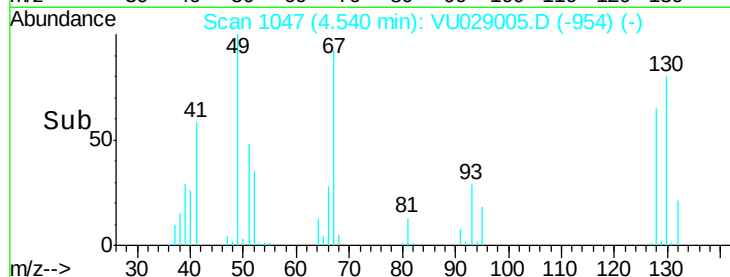
#41
Methacrylonitrile
Concen: 19.924 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	25042
Ion	Ratio	Lower	Upper
41	100		
39	51.6	42.3	63.5
67	80.6	64.4	96.6
52	30.4	23.9	35.9

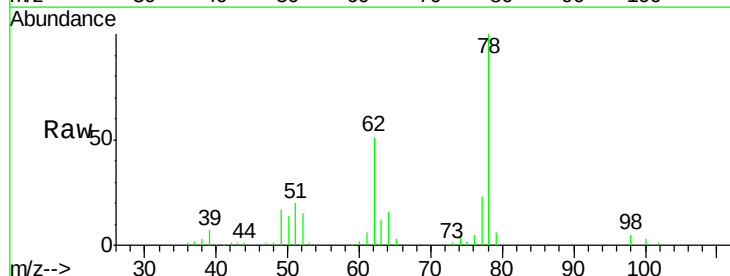


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

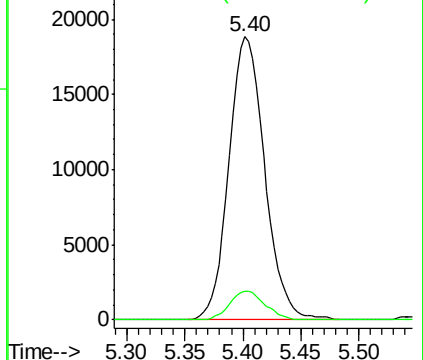
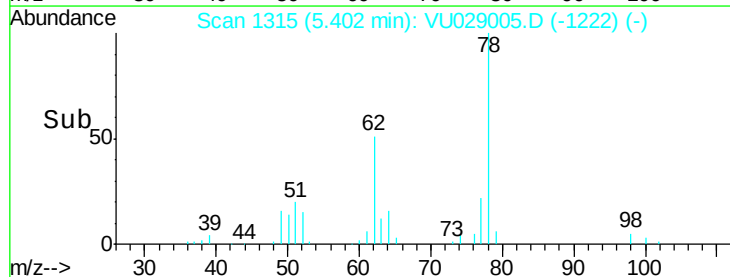


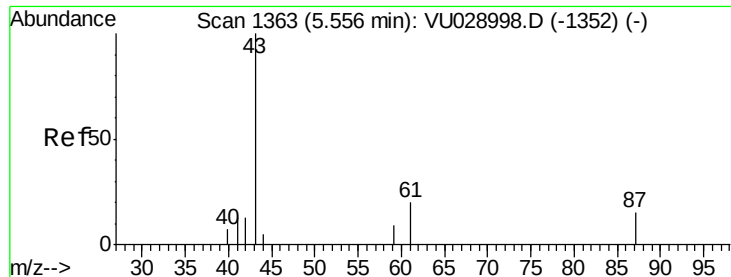
#42
1,2-Dichloroethane
Concen: 20.083 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:	62	Resp:	40268
Ion	Ratio	Lower	Upper
62	100		
98	10.0	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: 20.360 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

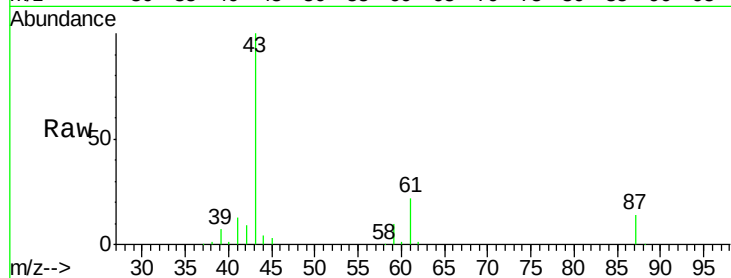
Tot Ion: 43 Resp: 73336

Ion Ratio Lower Upper

43 100

61 22.8 17.8 26.6

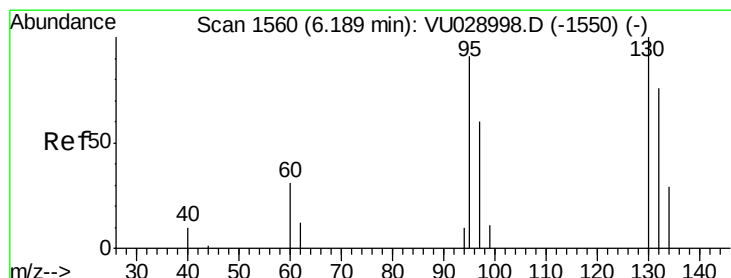
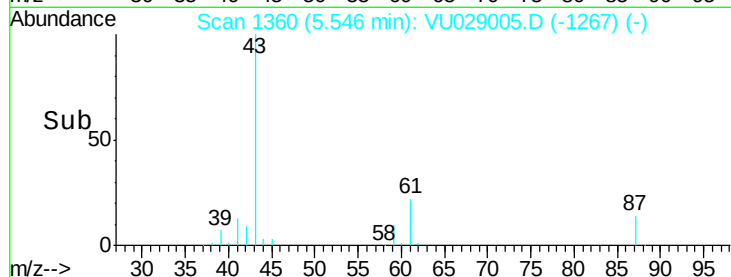
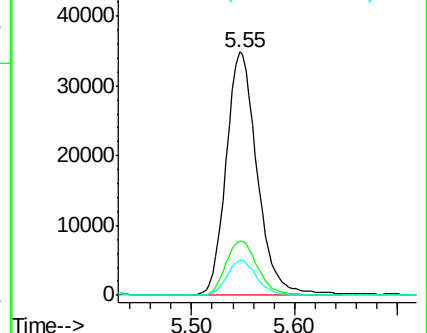
87 13.7 11.3 16.9



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: 19.151 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU029005.D

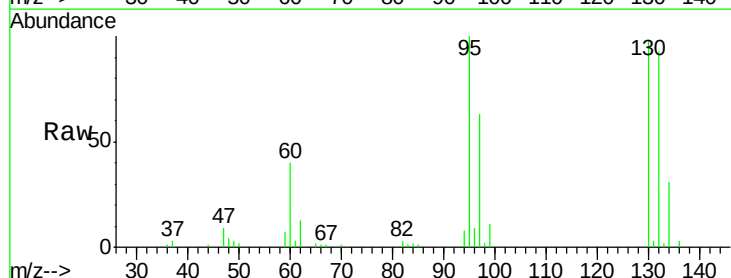
Acq: 03 Jan 2019 18:25

Tgt Ion:130 Resp: 31662

Ion Ratio Lower Upper

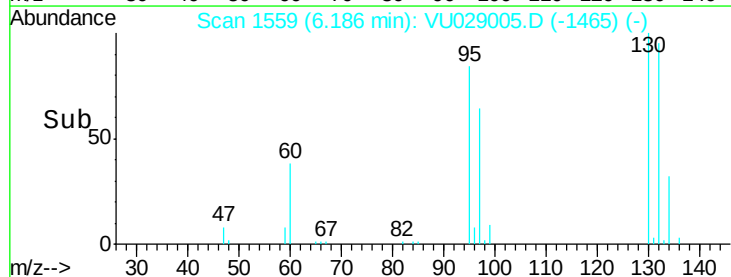
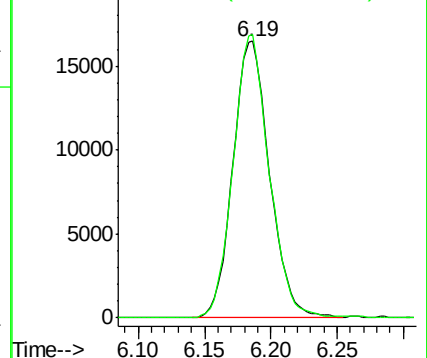
130 100

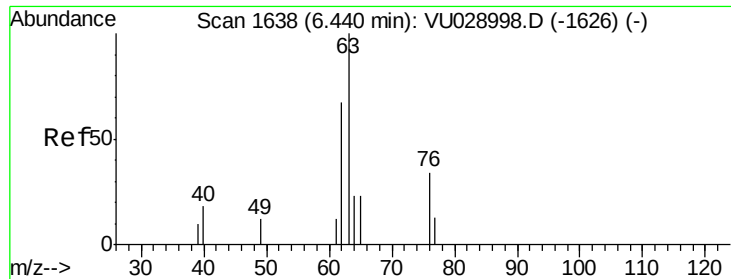
95 102.4 0.0 205.0



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: 19.643 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

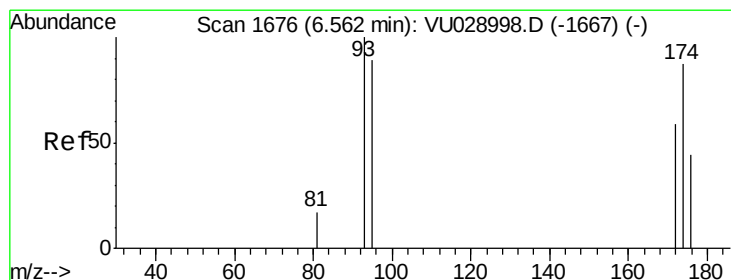
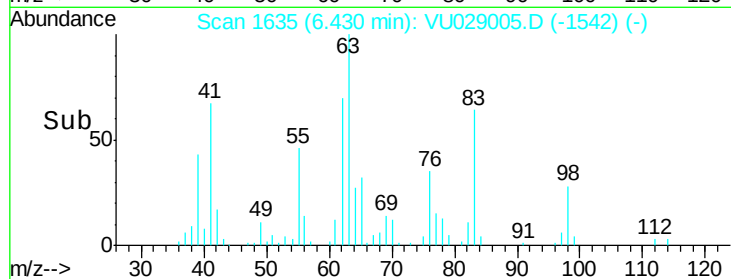
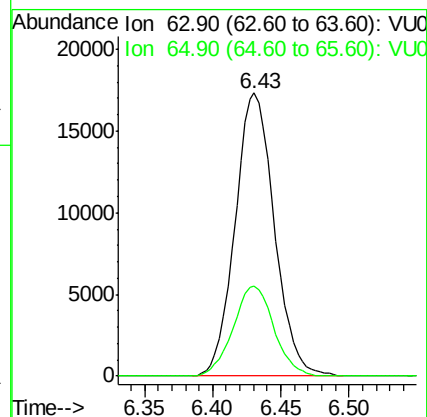
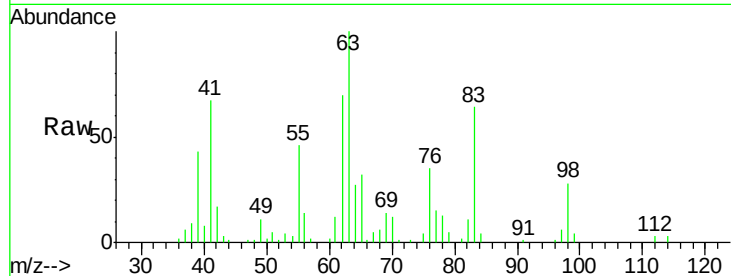
ClientSampled :

Tot Ion: 63 Resp: 34613

Ion Ratio Lower Upper

63 100

65 31.6 25.1 37.7



#46

Dibromomethane

Concen: 20.087 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

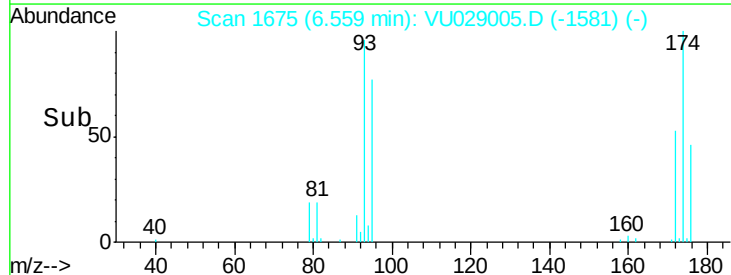
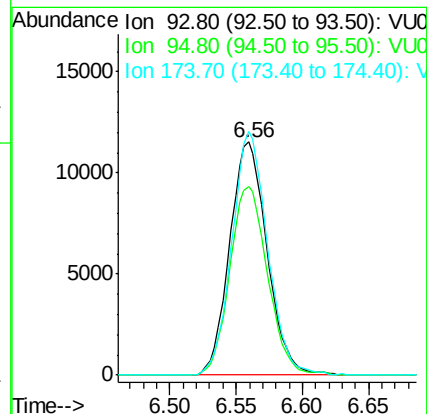
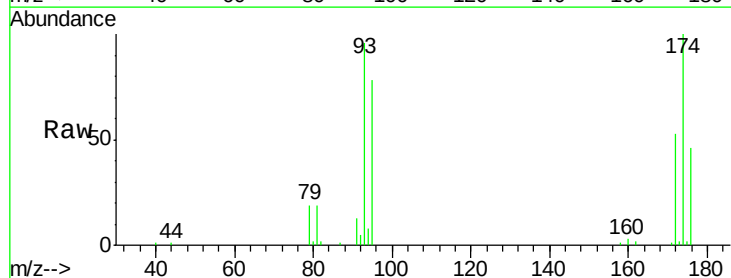
Tgt Ion: 93 Resp: 22627

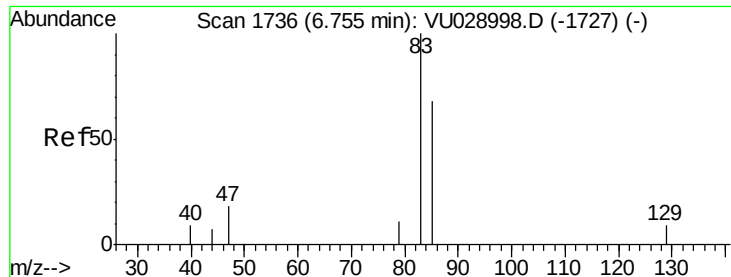
Ion Ratio Lower Upper

93 100

95 81.6 67.2 100.8

174 99.6 82.6 123.8





#47

Bromodichloromethane

Concen: 19.866 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampled :

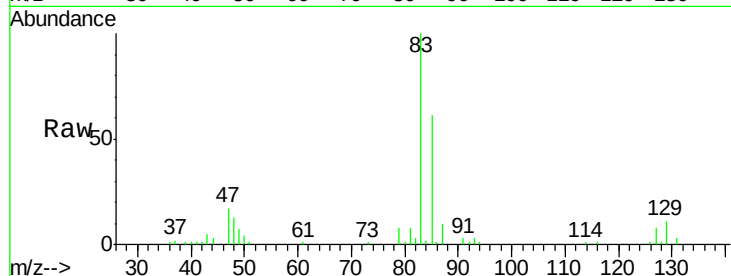
Tot Ion: 83 Resp: 41201

Ion Ratio Lower Upper

83 100

85 60.8 51.4 77.2

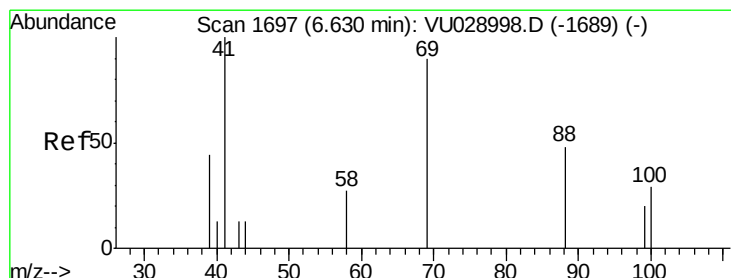
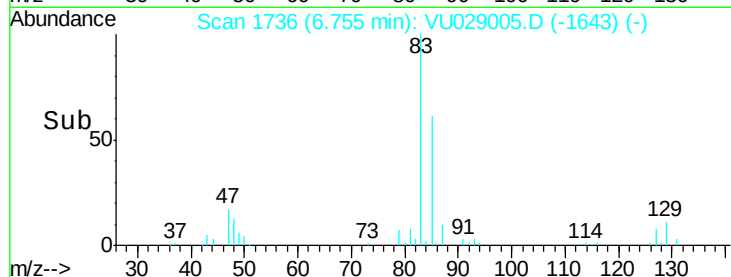
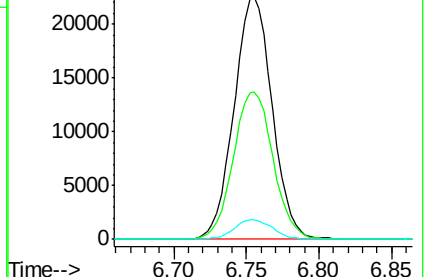
127 8.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-1727) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-1727) (-)

Ion 126.80 (126.50 to 127.50): VU028998.D (-1727) (-)



#48

Methyl methacrylate

Concen: 20.247 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

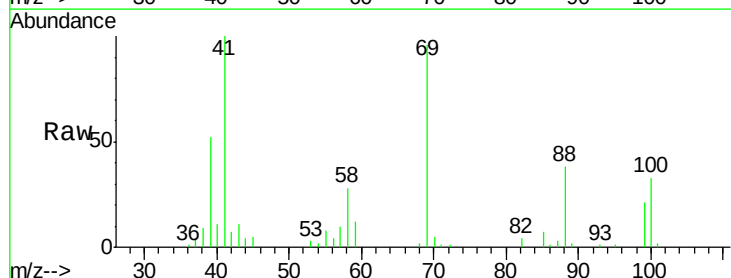
Tgt Ion: 41 Resp: 35511

Ion Ratio Lower Upper

41 100

69 94.1 73.6 110.4

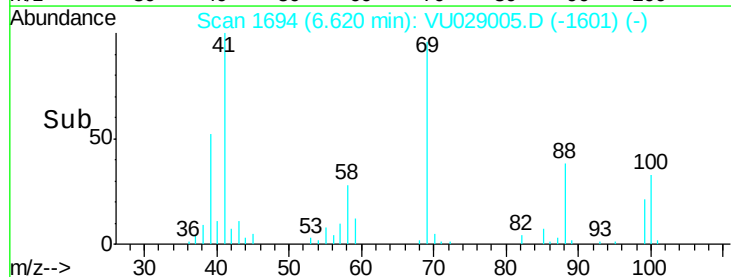
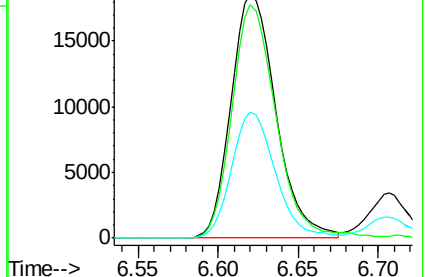
39 50.5 39.6 59.4

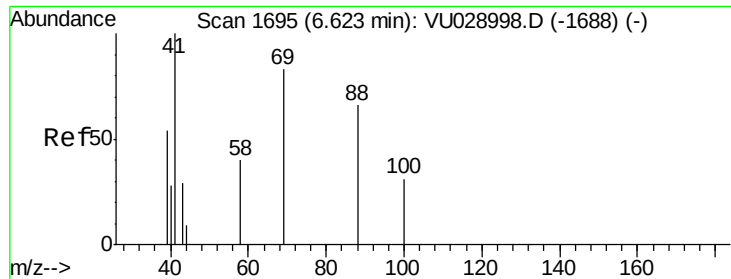


Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-1689) (-)

Ion 69.00 (68.70 to 69.70): VU028998.D (-1689) (-)

Ion 39.00 (38.70 to 39.70): VU028998.D (-1689) (-)

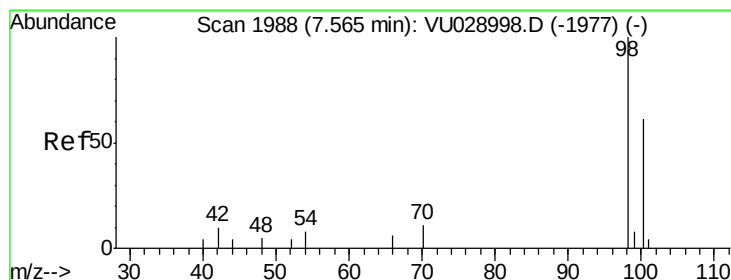
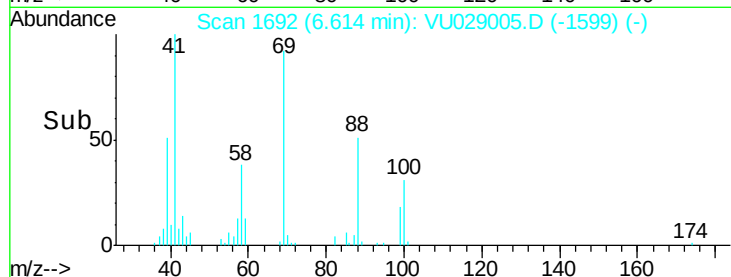
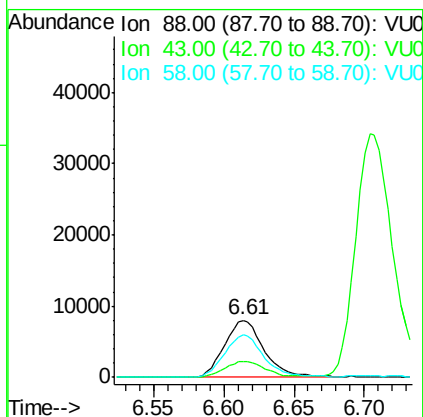
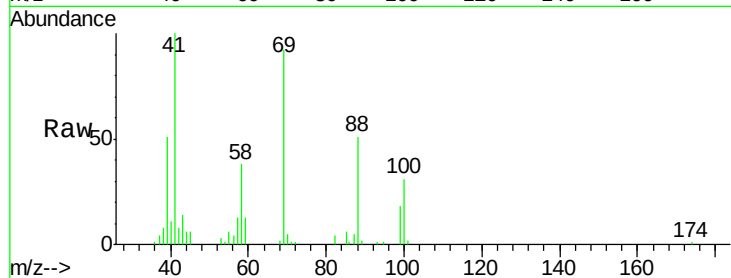




#49
1,4-Dioxane
Concen: 377.631 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

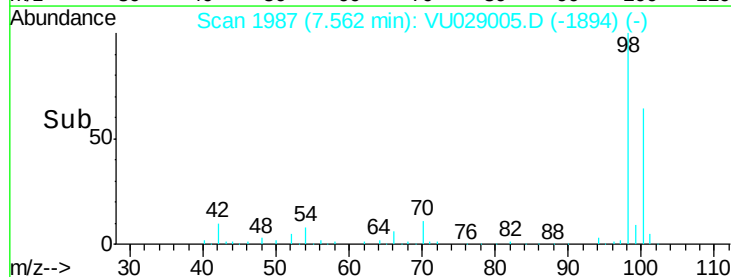
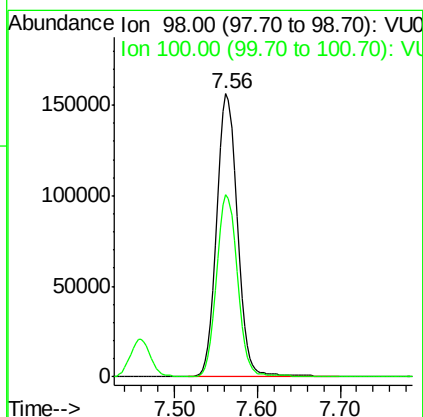
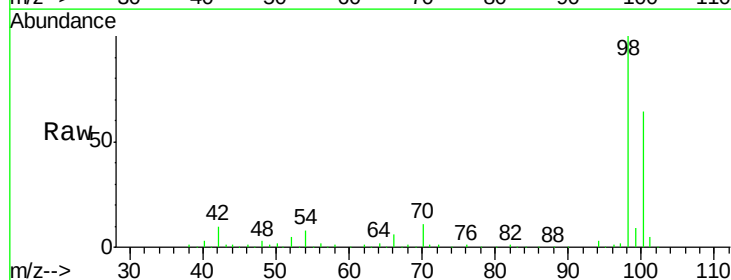
Instrument :
MSVOA_U
ClientSampleId :

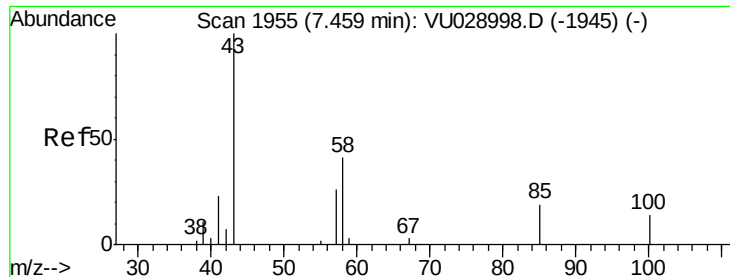
Tot Ion: 88 Resp: 15696
Ion Ratio Lower Upper
88 100
43 28.6 23.0 34.4
58 74.0 57.9 86.9



#50
Toluene-d8
Concen: 49.615 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 98 Resp: 271735
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 99.332 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

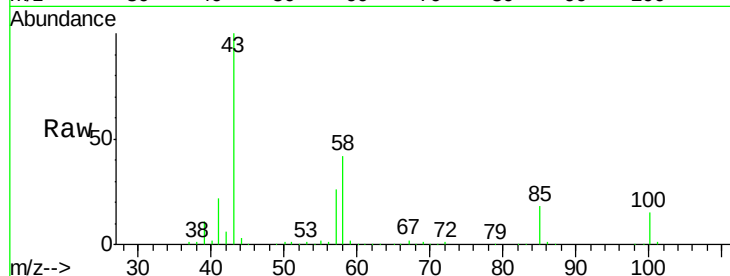
ClientSampleId :

Tot Ion: 43 Resp: 243498

Ion Ratio Lower Upper

43 100

58 42.4 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

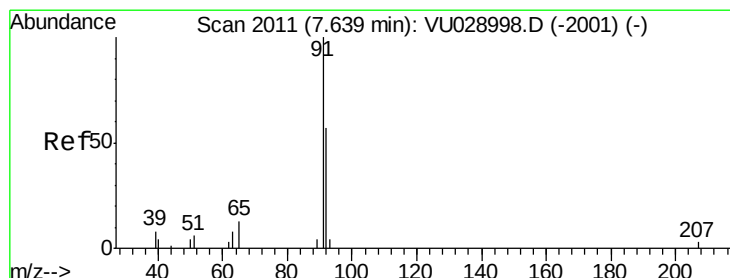
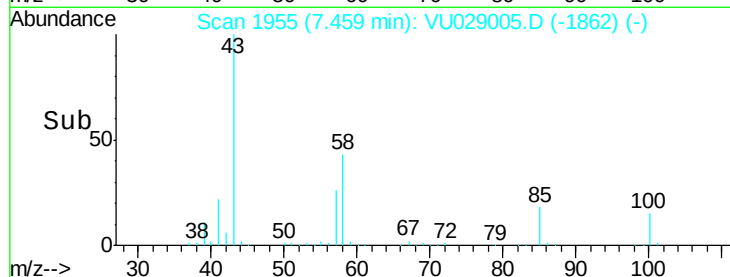
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 19.458 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029005.D

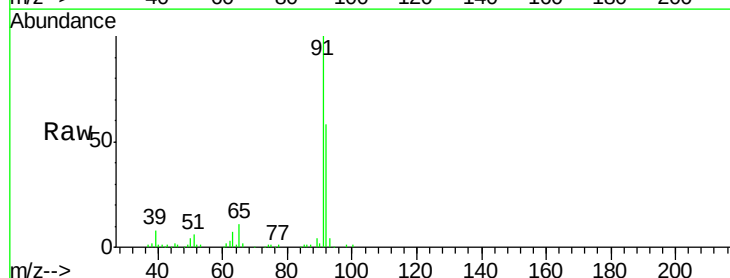
Acq: 03 Jan 2019 18:25

Tgt Ion: 92 Resp: 79042

Ion Ratio Lower Upper

92 100

91 174.4 139.8 209.8



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

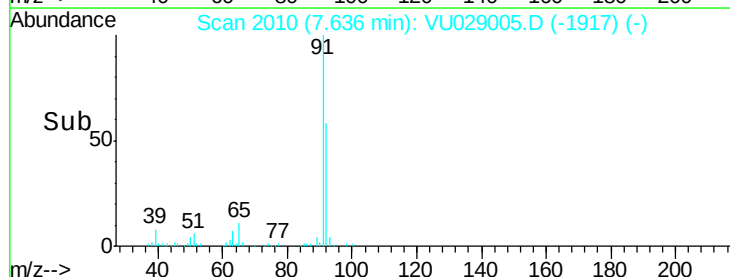
40000

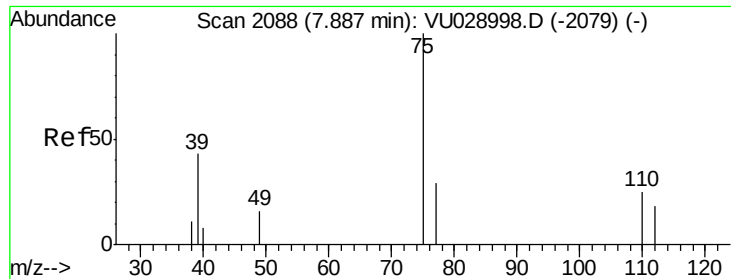
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.644 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

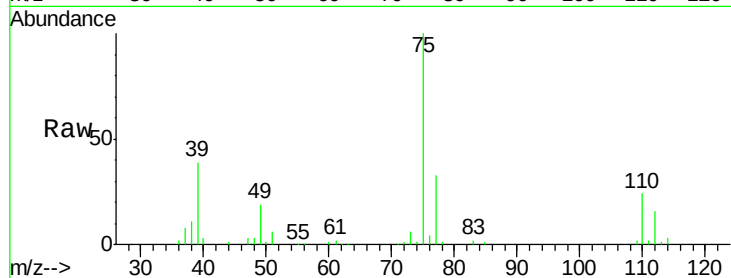
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 46451

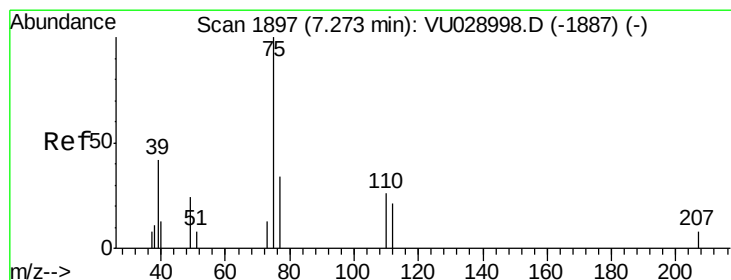
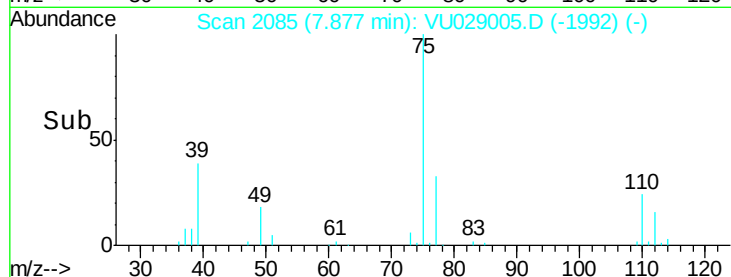
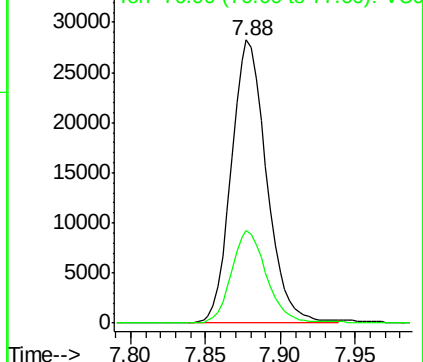
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.152 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

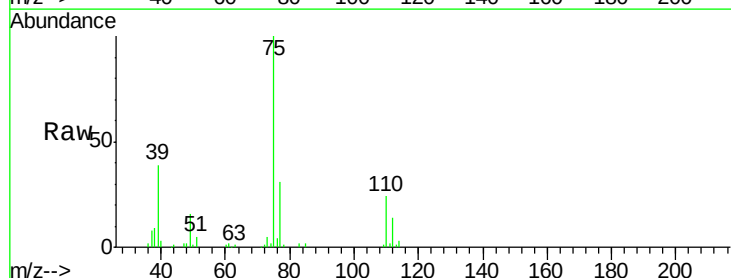
Tgt Ion: 75 Resp: 51559

Ion Ratio Lower Upper

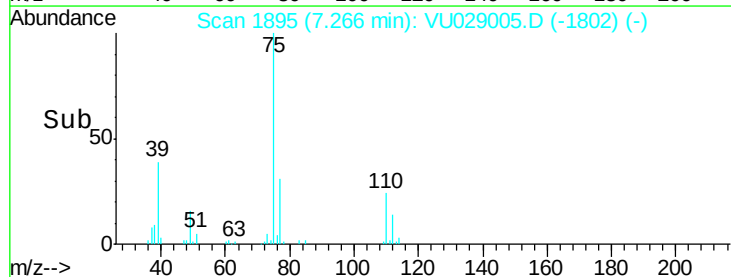
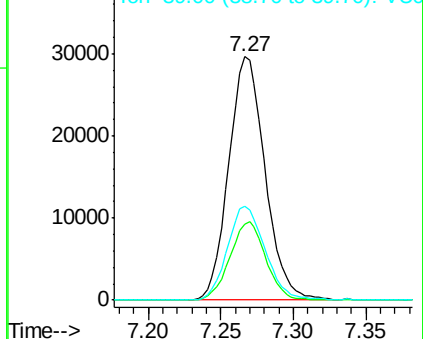
75 100

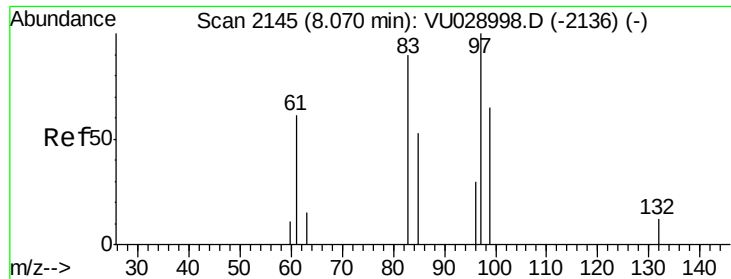
77 31.3 25.0 37.6

39 38.8 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

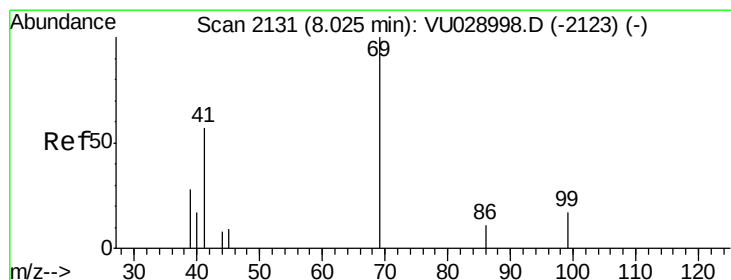
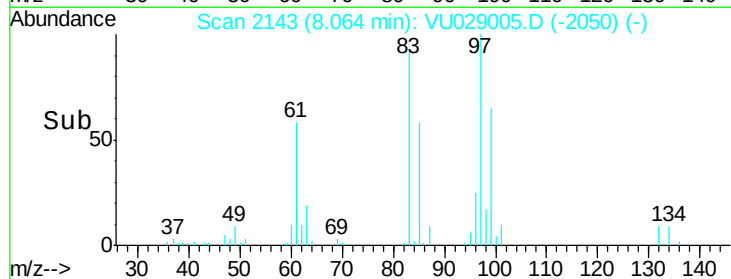
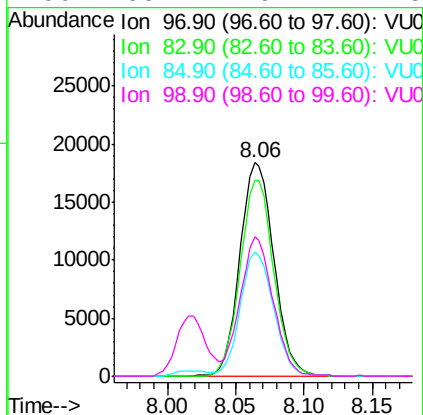
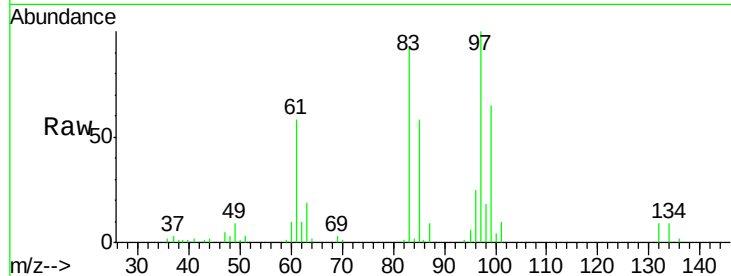




#55
 1,1,2-Trichloroethane
 Concen: 19.613 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

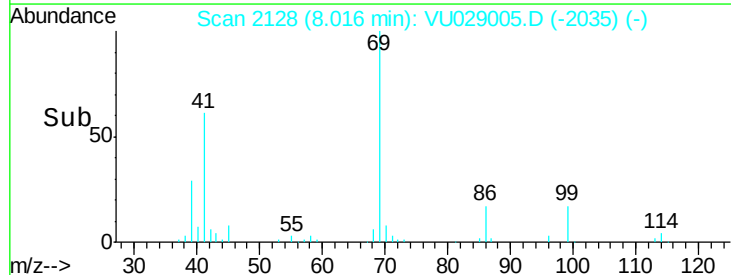
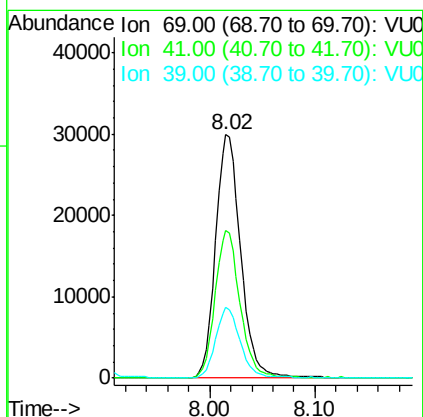
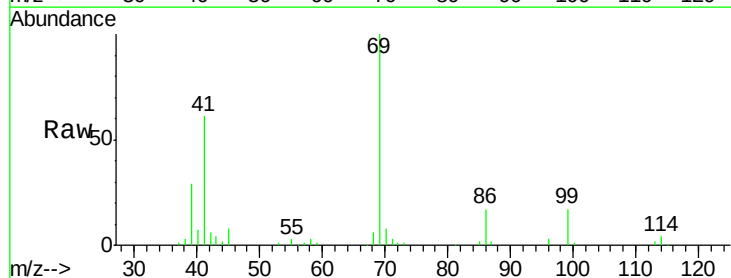
Instrument :
 MSVOA_U
 ClientSampleId :

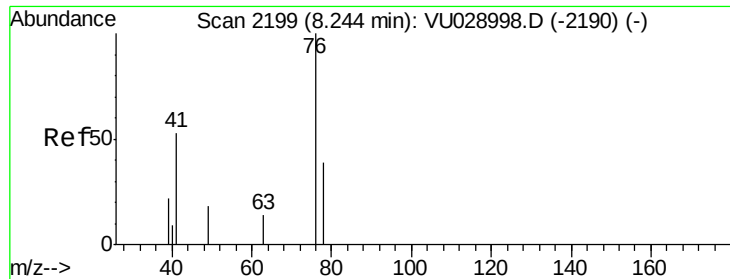
Tot Ion: 97 Resp: 31918
 Ion Ratio Lower Upper
 97 100
 83 91.9 69.8 104.8
 85 58.3 47.3 70.9
 99 65.1 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 19.733 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 69 Resp: 49474
 Ion Ratio Lower Upper
 69 100
 41 60.1 47.5 71.3
 39 28.0 22.5 33.7

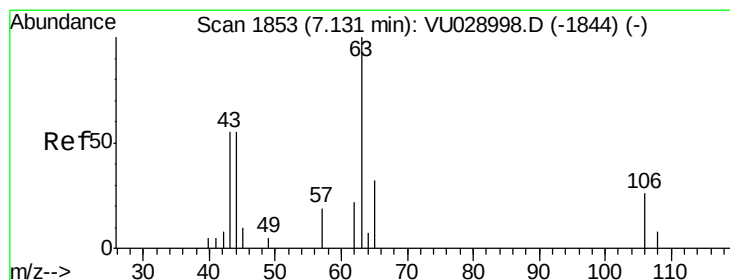
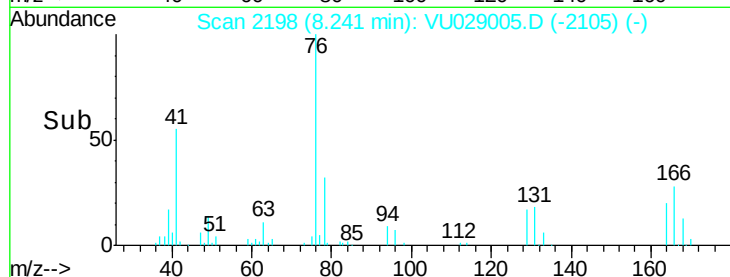
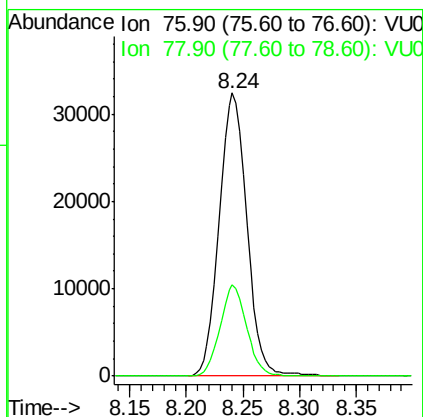
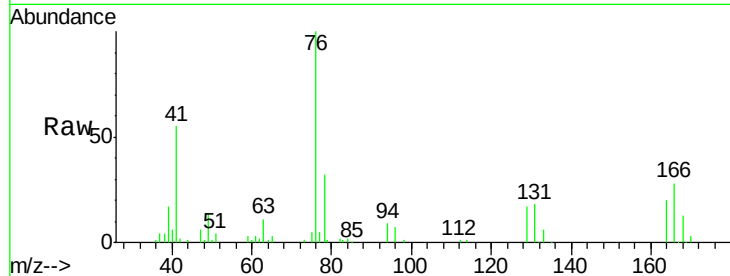




#57
 1,3-Dichloropropane
 Concen: 19.878 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

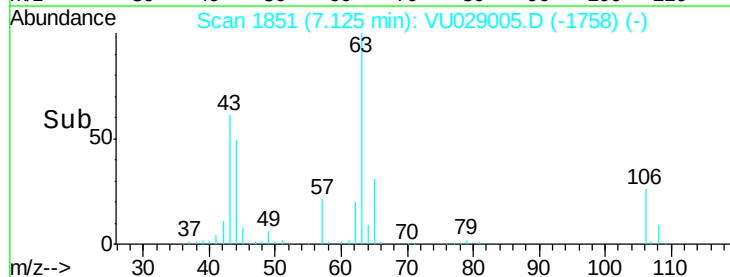
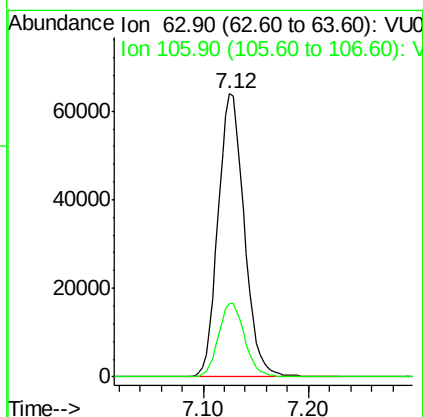
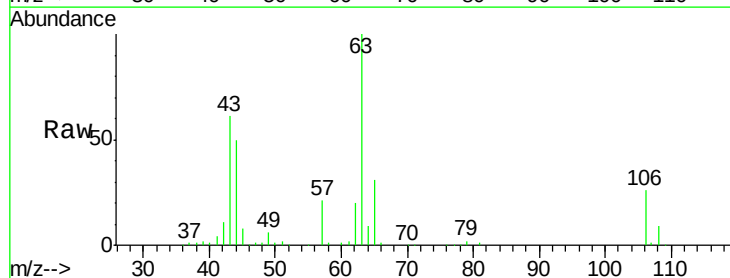
Instrument :
 MSVOA_U
 ClientSampled :

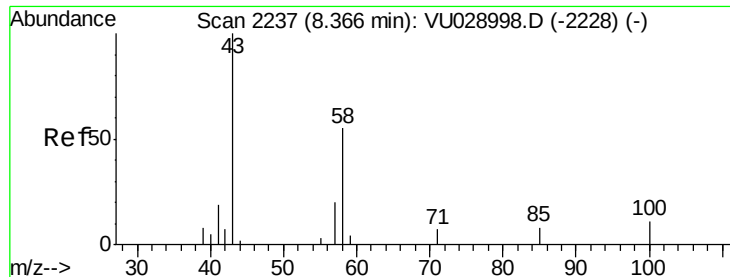
Tot Ion: 76 Resp: 55351
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.660 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 63 Resp: 109883
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 31.0

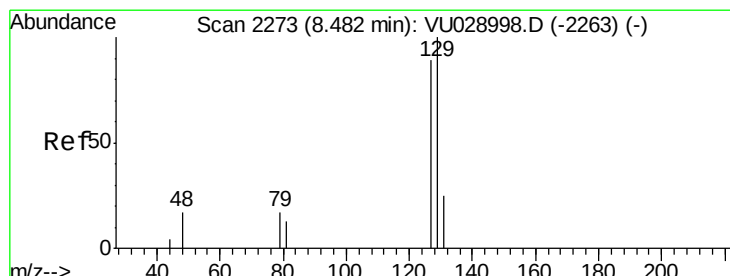
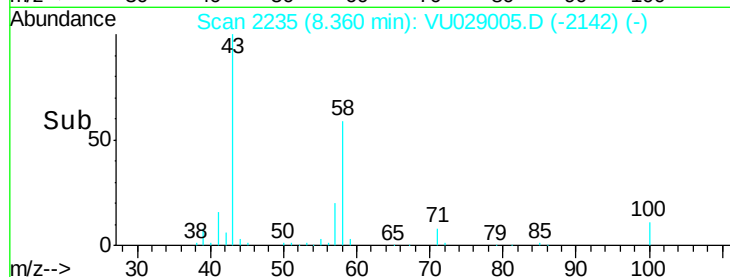
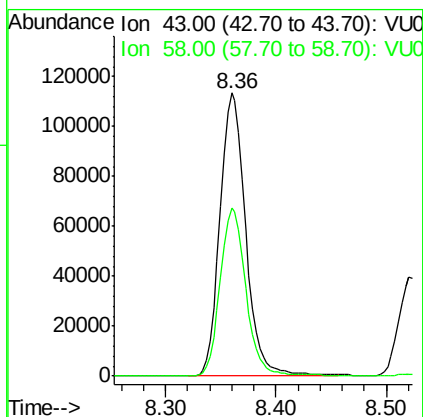
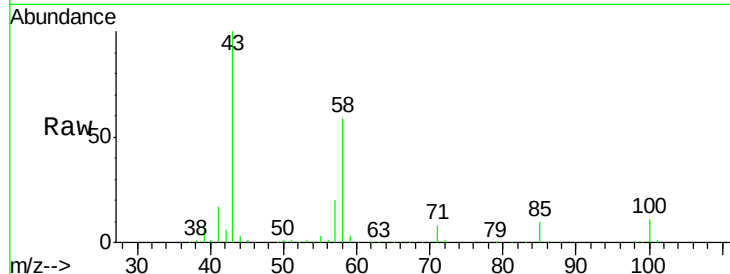




#59
2-Hexanone
Concen: 95.767 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

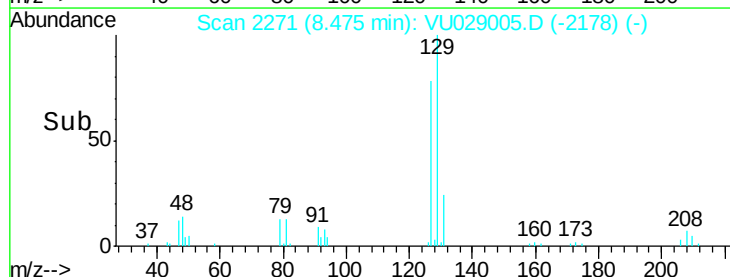
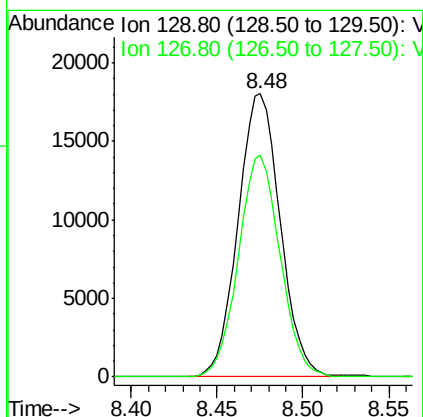
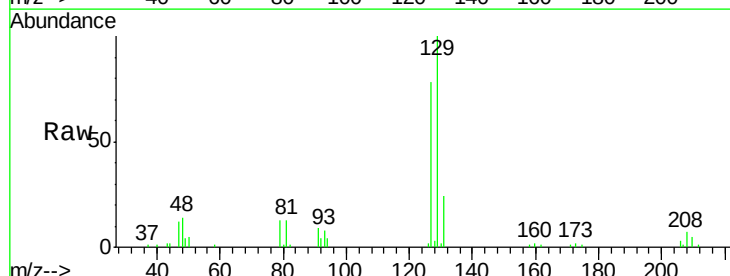
Instrument :
MSVOA_U
ClientSampled :

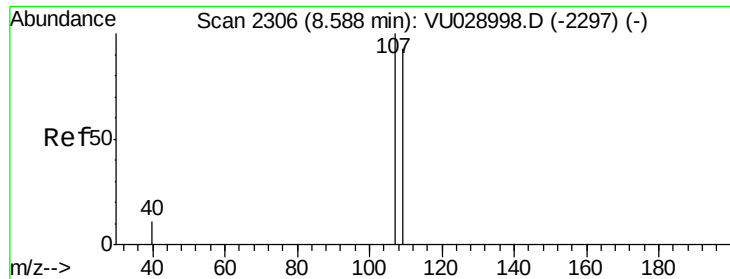
Tot Ion: 43 Resp: 184277
Ion Ratio Lower Upper
43 100
58 59.4 29.8 89.4



#60
Dibromochloromethane
Concen: 19.033 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 129 Resp: 30686
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.234 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

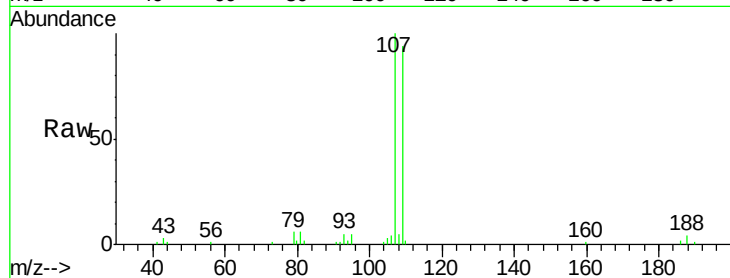
ClientSampleId :

Tot Ion:107 Resp: 33947

Ion Ratio Lower Upper

107 100

109 96.5 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

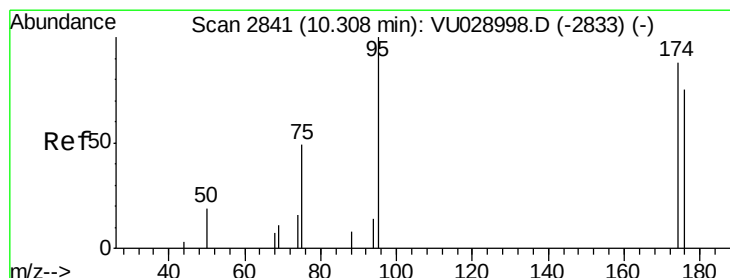
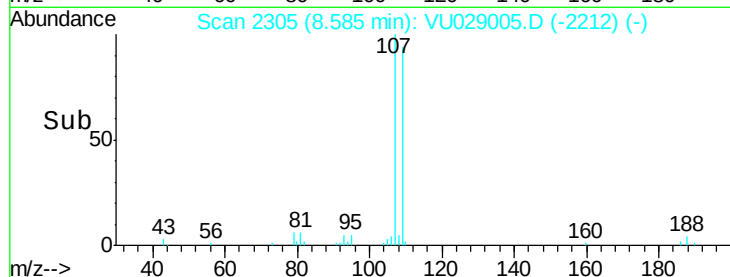
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 47.786 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

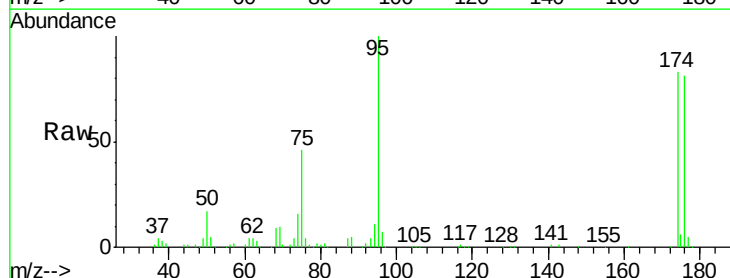
Tgt Ion: 95 Resp: 94057

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.6

176 82.0 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

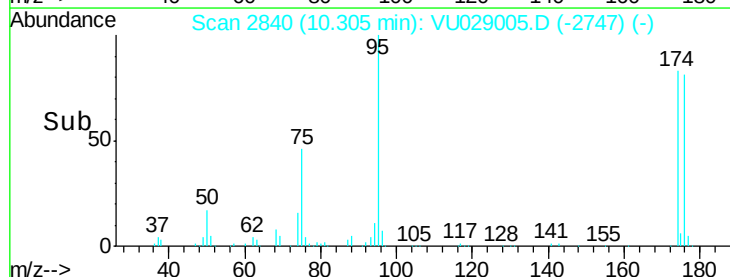
60000

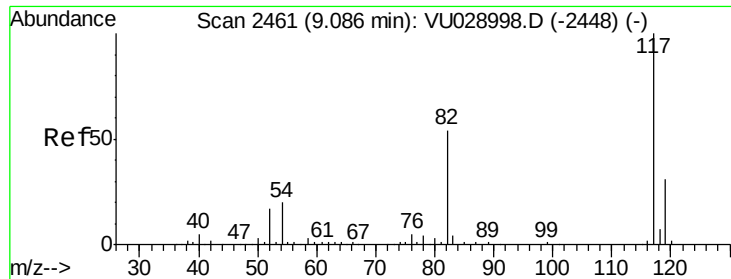
40000

20000

0

Time--> 10.30 10.40

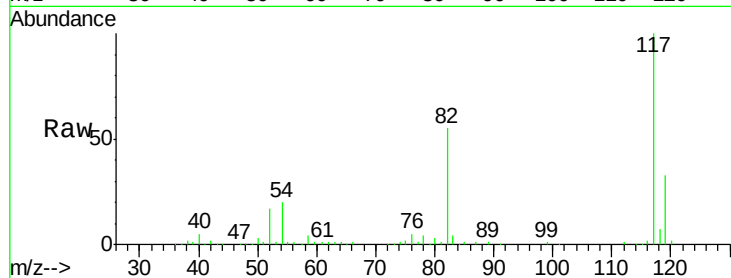




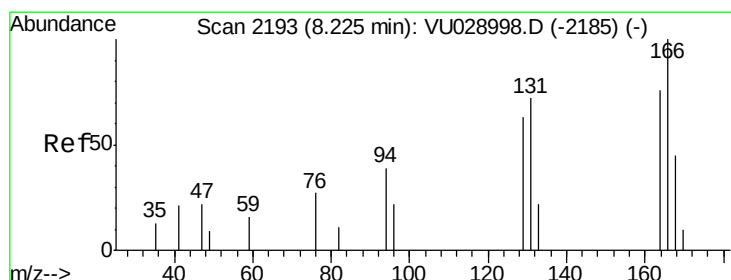
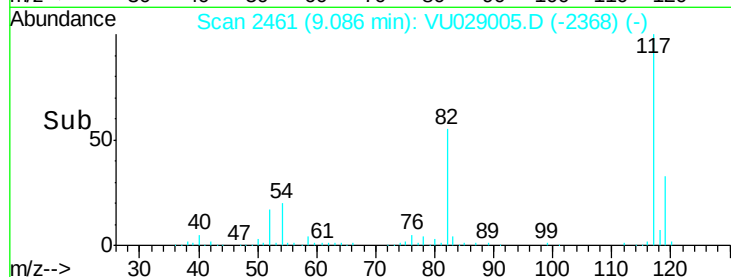
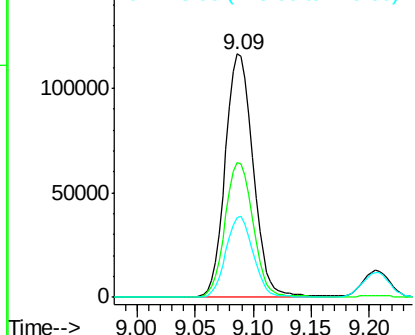
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 195867
Ion Ratio Lower Upper
117 100
82 55.5 43.9 65.9
119 32.9 26.0 39.0

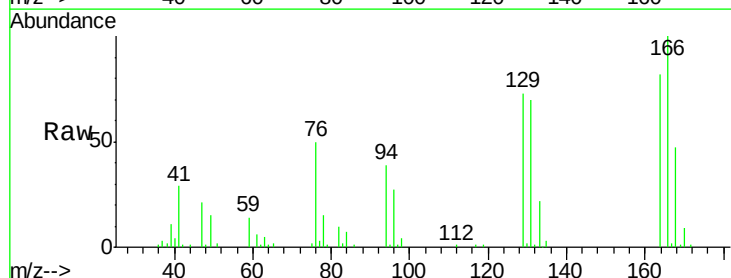


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

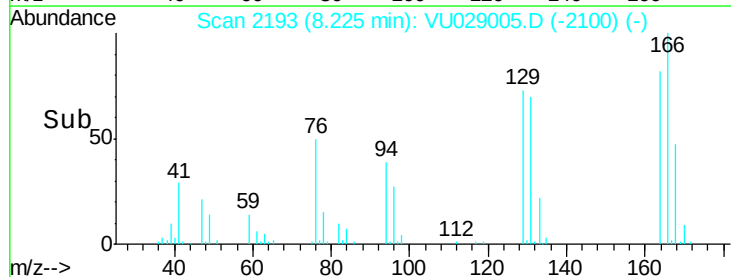
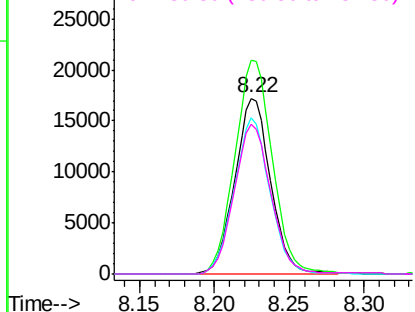


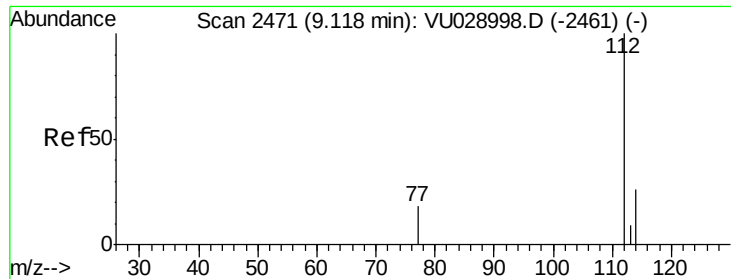
#64
Tetrachloroethene
Concen: 20.320 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:164 Resp: 28670
Ion Ratio Lower Upper
164 100
166 121.7 99.4 149.0
129 88.8 70.5 105.7
131 85.1 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

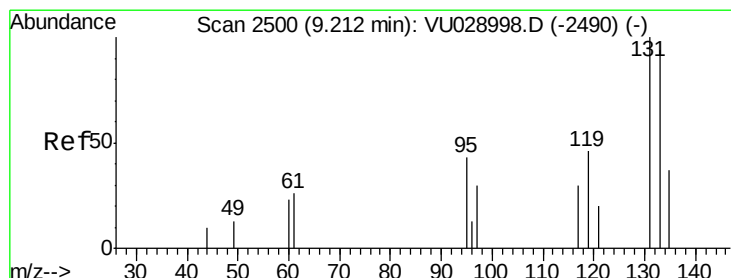
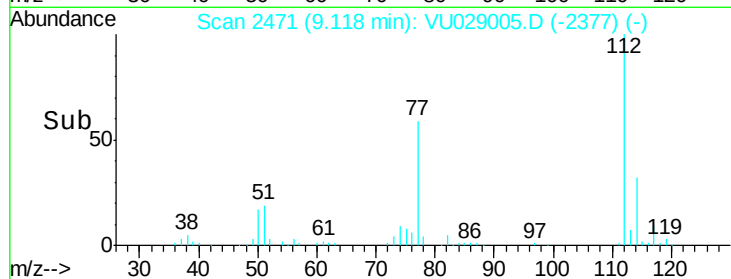
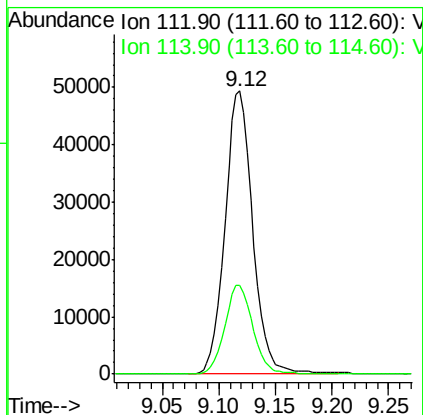
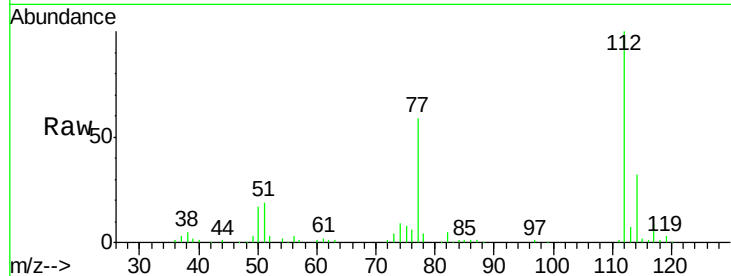




#65
Chlorobenzene
Concen: 19.193 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

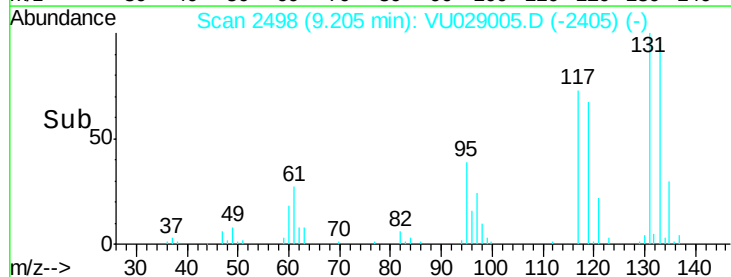
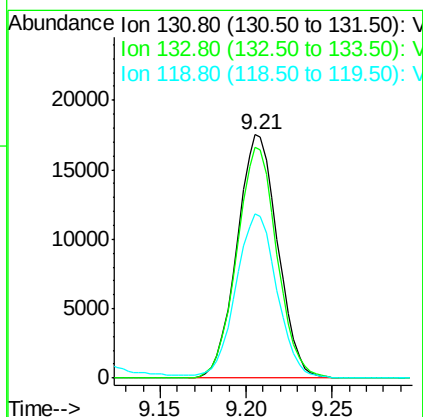
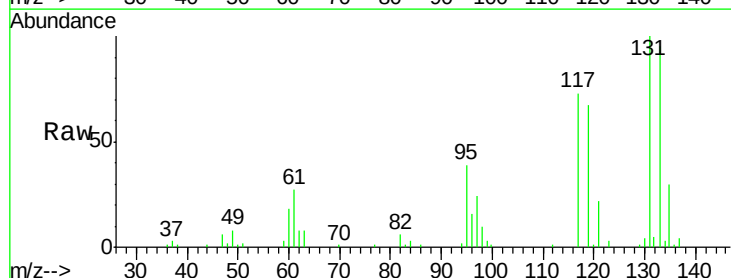
Instrument :
MSVOA_U
ClientSampleId :

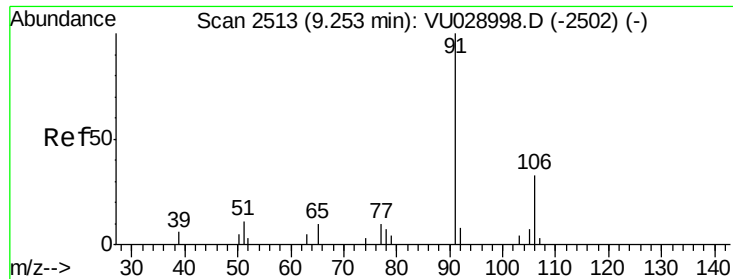
Tot Ion:112 Resp: 84266
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.211 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:131 Resp: 28796
Ion Ratio Lower Upper
131 100
133 93.7 48.2 144.6
119 68.8 35.4 106.3

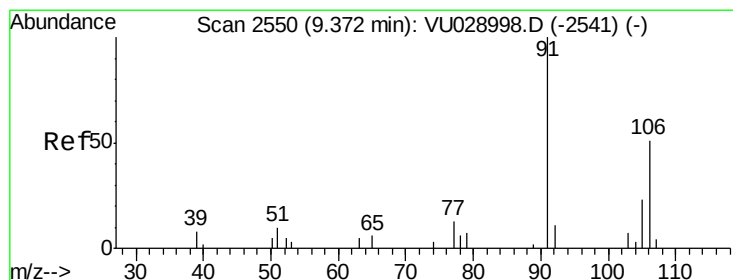
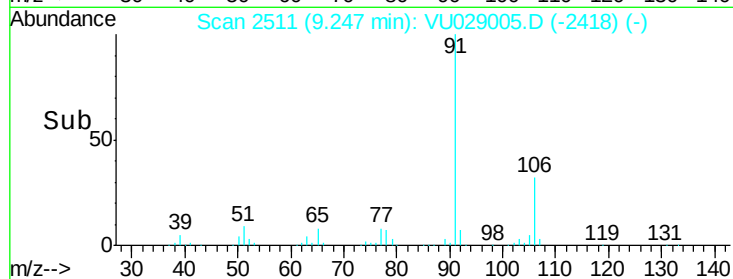
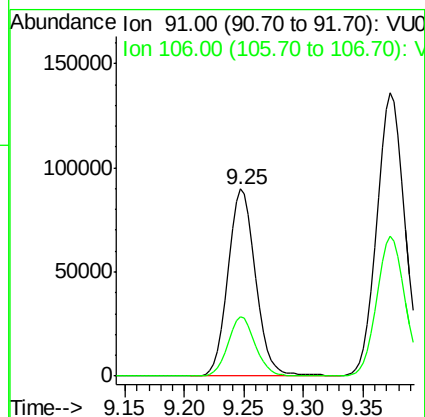
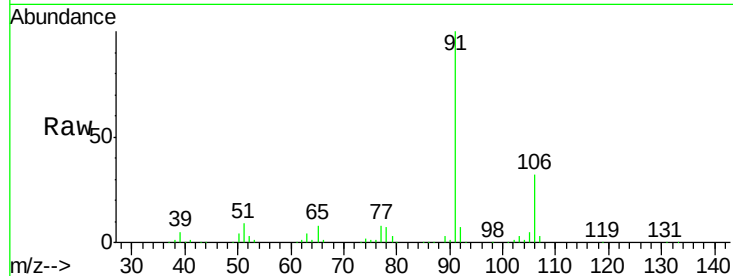




#67
Ethyl Benzene
Concen: 19.809 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

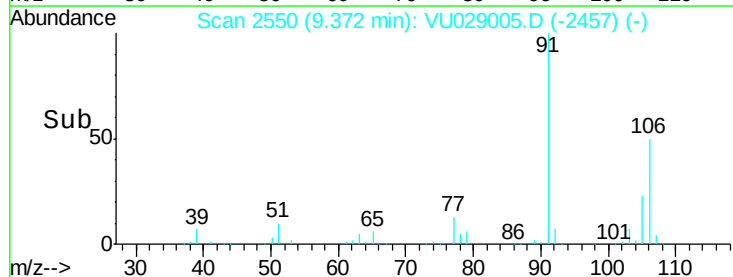
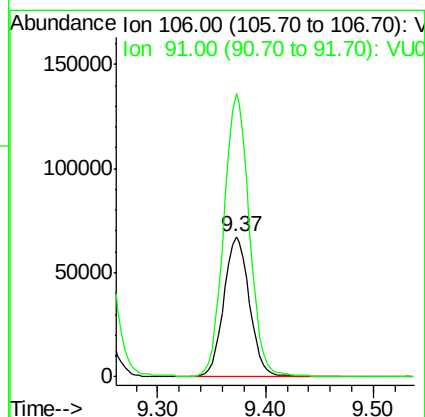
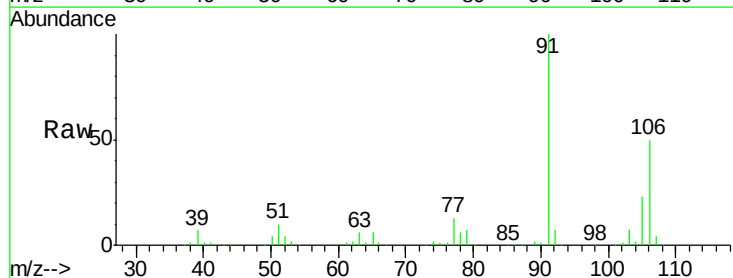
Instrument :
MSVOA_U
ClientSampled :

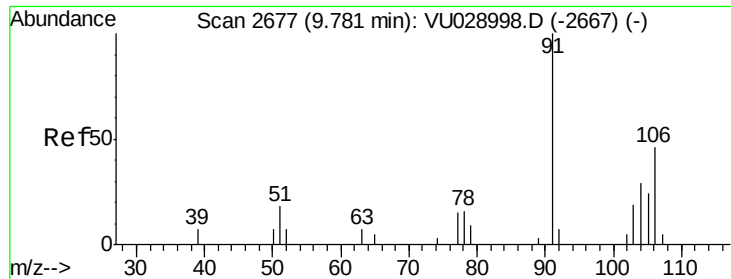
Tot Ion: 91 Resp: 145201
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.4



#68
m/p-Xylenes
Concen: 39.312 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 106 Resp: 111964
Ion Ratio Lower Upper
106 100
91 199.8 161.7 242.5

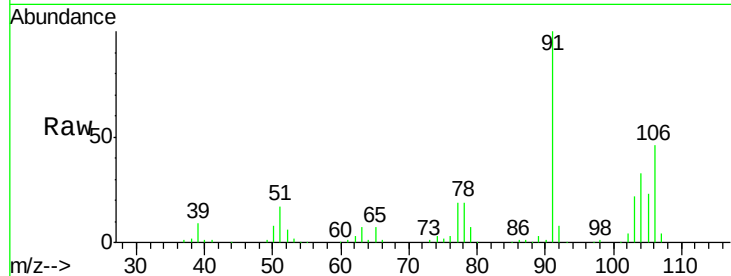




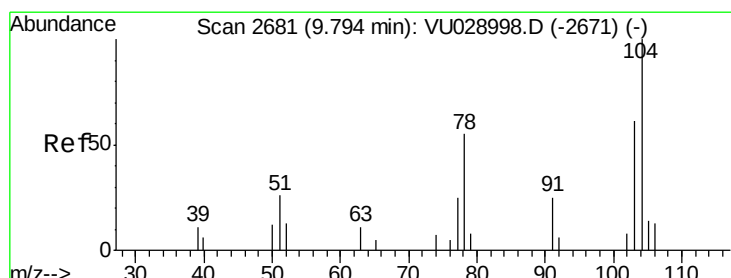
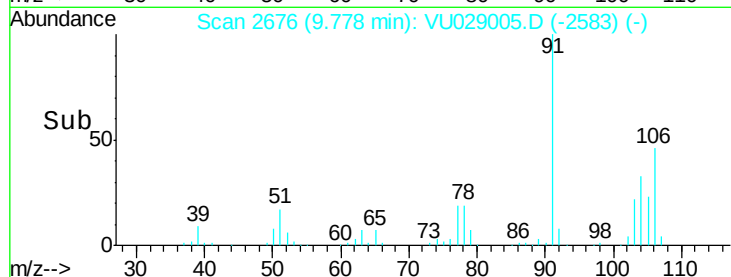
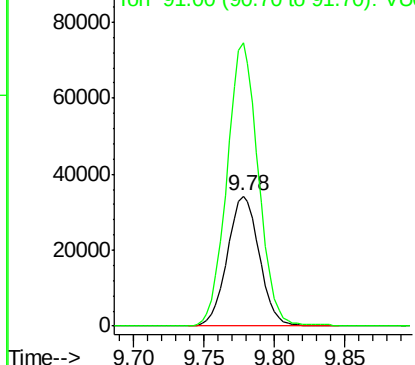
#69
o-Xylene
Concen: 19.820 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 54391
Ion Ratio Lower Upper
106 100
91 214.0 106.1 318.3

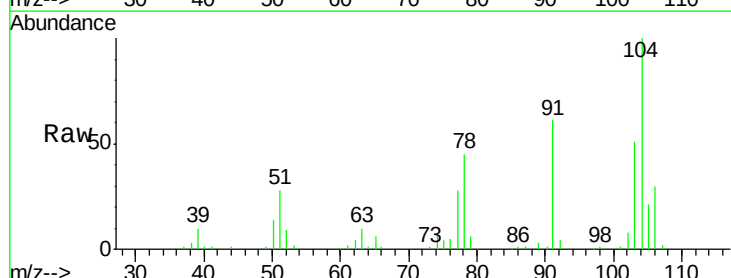


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

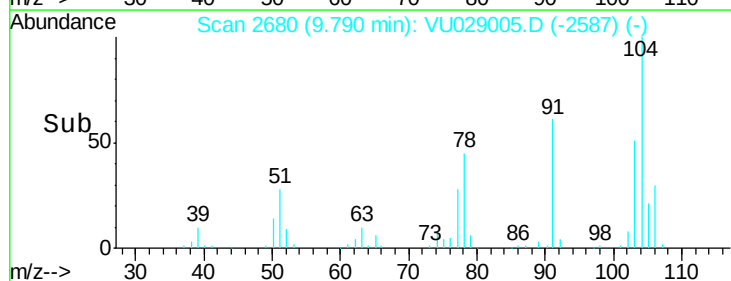
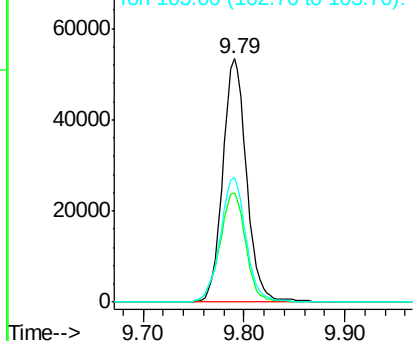


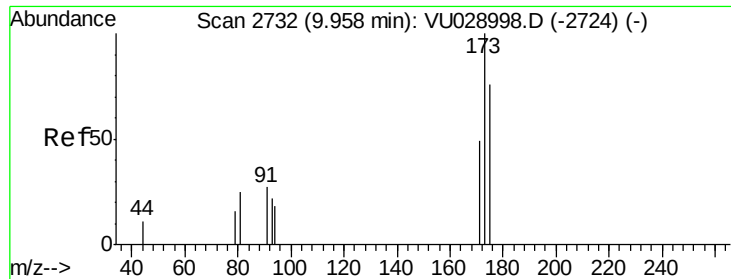
#70
Styrene
Concen: 19.625 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:104 Resp: 88288
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.0 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: 19.343 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :

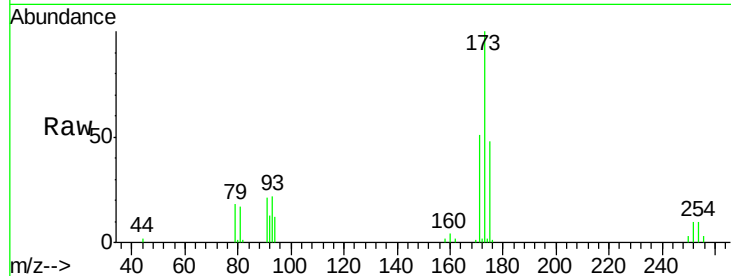
Tot Ion:173 Resp: 24539

Ion Ratio Lower Upper

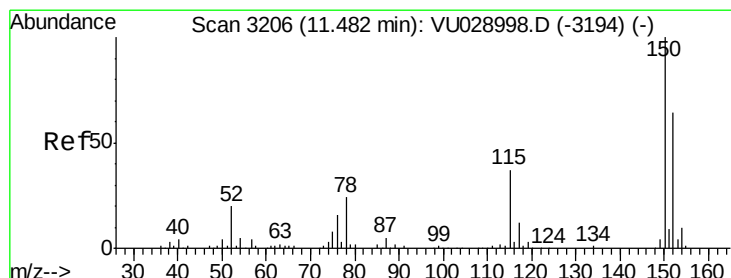
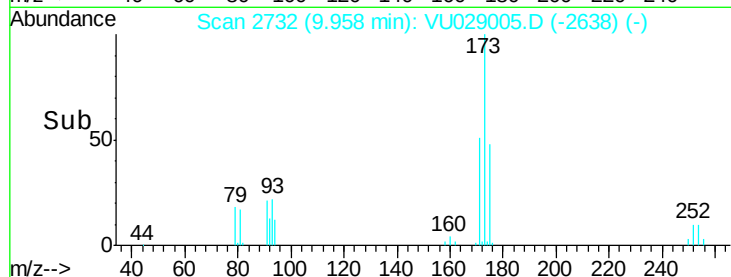
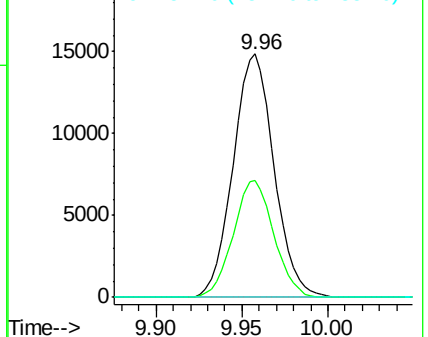
173 100

175 47.4 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: VU029005.D

Acq: 03 Jan 2019 18:25

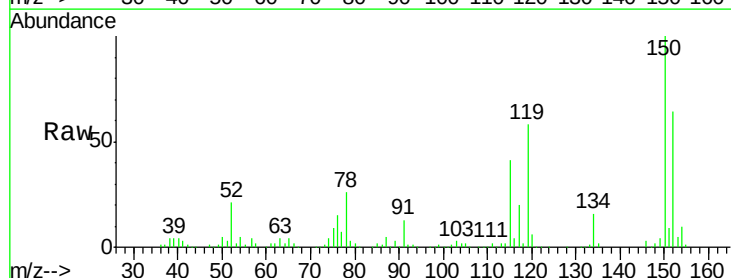
Tgt Ion:152 Resp: 94292

Ion Ratio Lower Upper

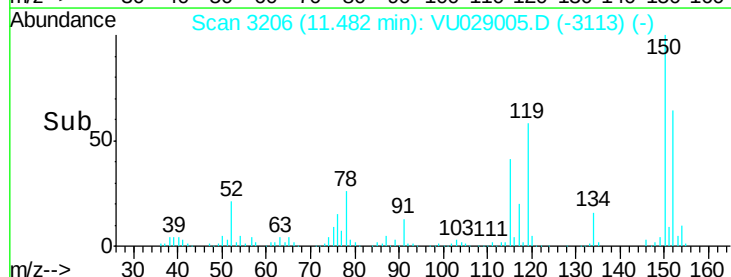
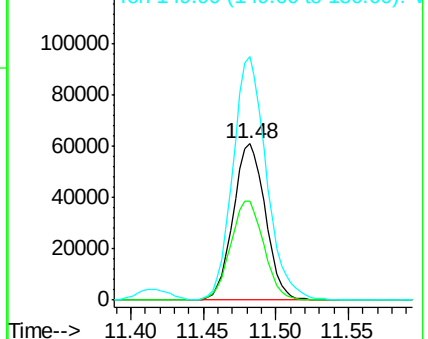
152 100

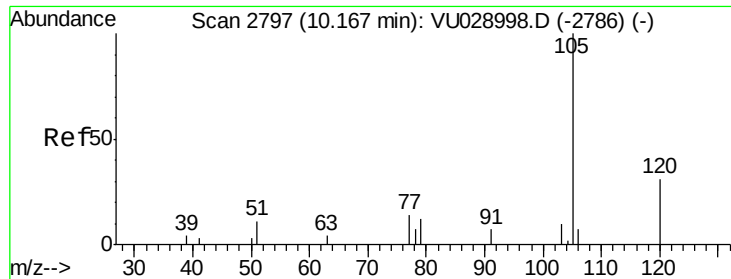
115 65.4 40.1 120.3

150 162.6 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: 20.020 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

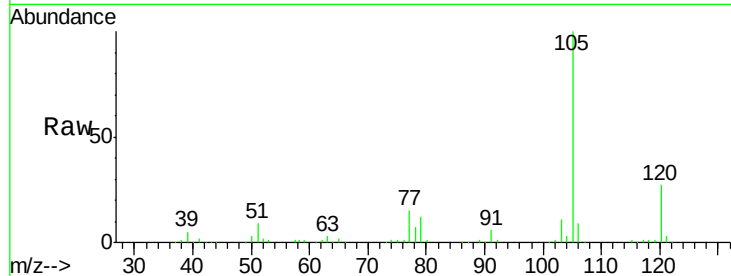
ClientSampleId :

Tot Ion:105 Resp: 139726

Ion Ratio Lower Upper

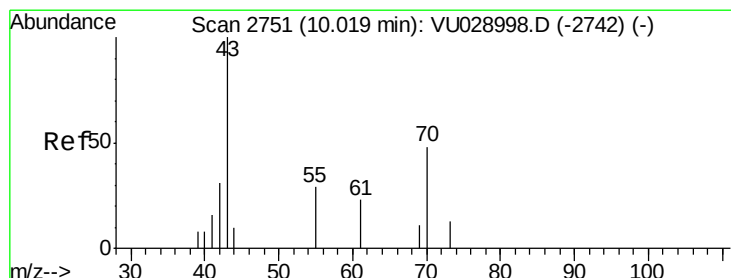
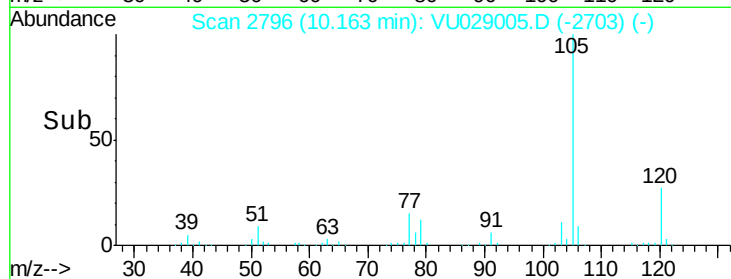
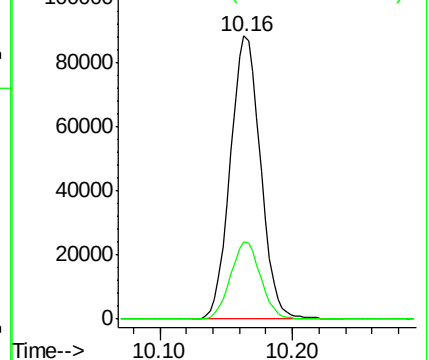
105 100

120 27.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.463 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion: 43 Resp: 61541

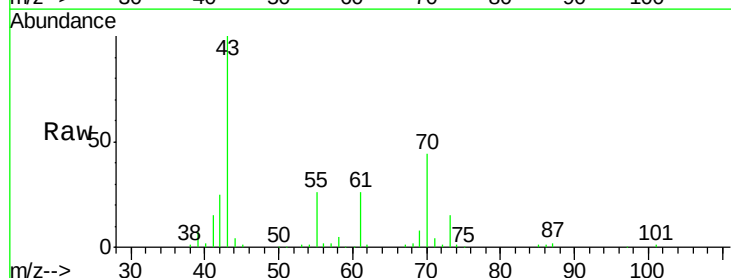
Ion Ratio Lower Upper

43 100

70 45.0 36.3 54.5

55 26.2 20.5 30.7

61 26.3 21.8 32.8

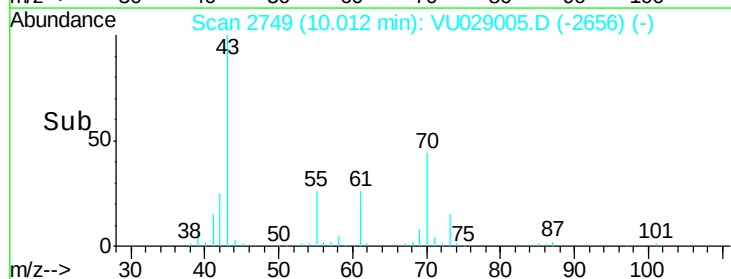
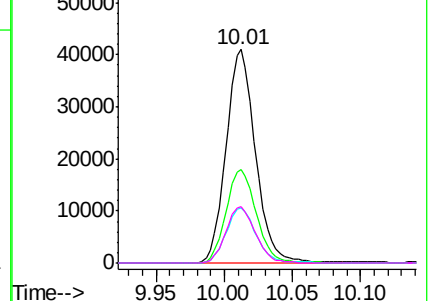


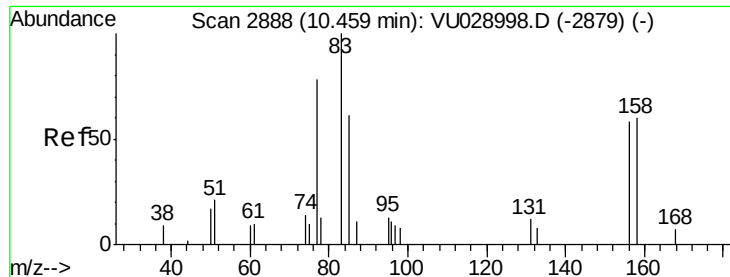
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.882 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

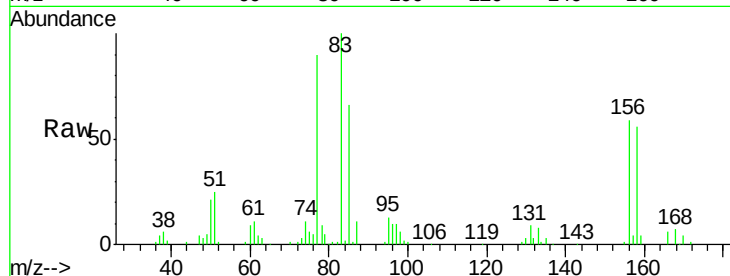
Tot Ion: 83 Resp: 55613

Ion Ratio Lower Upper

83 100

131 8.5 4.7 14.1

85 64.8 32.0 96.2

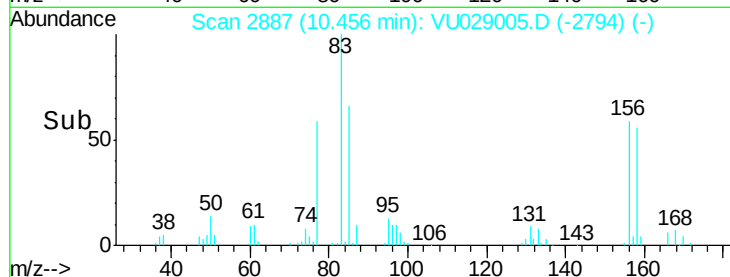


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

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

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

Time-->



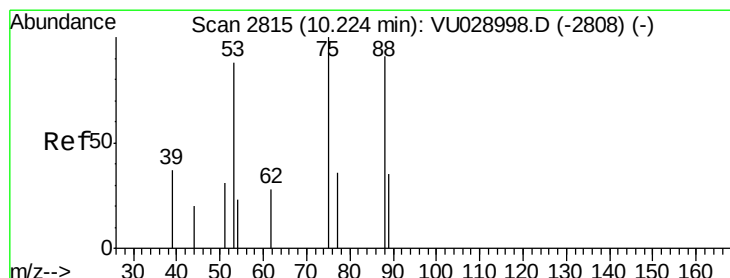
Abundance

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: 27.993 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029005.D

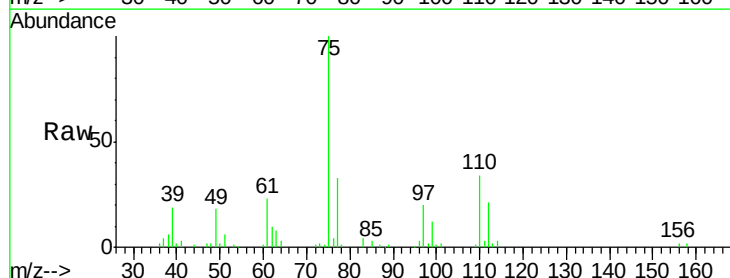
Acq: 03 Jan 2019 18:25

Tgt Ion: 75 Resp: 64672

Ion Ratio Lower Upper

75 100

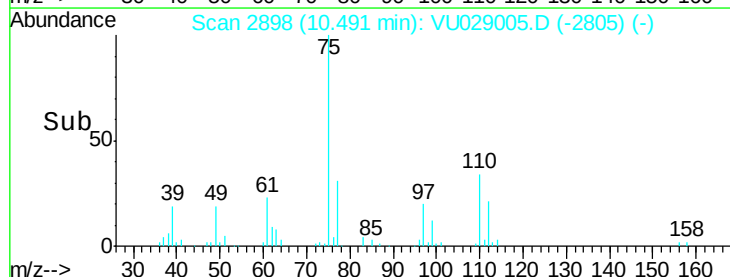
77 30.5 20.9 62.8



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

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

Time-->

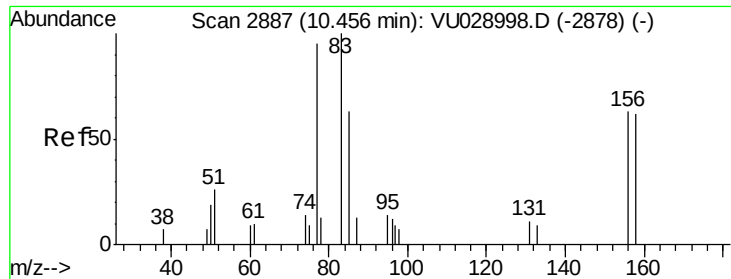


Abundance

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: 20.072 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampled :

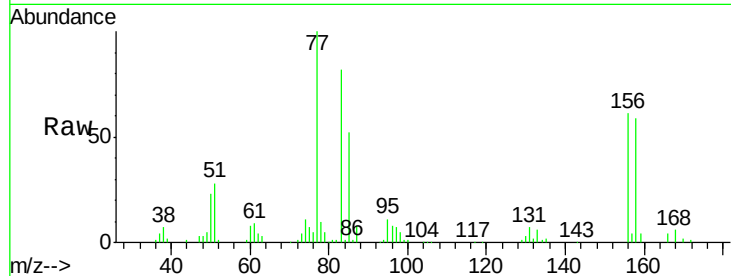
Tot Ion:156 Resp: 36506

Ion Ratio Lower Upper

156 100

77 159.1 79.0 237.2

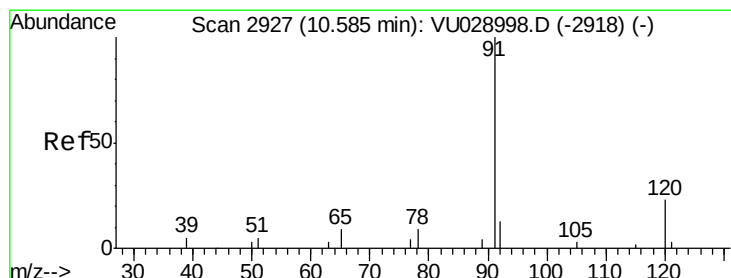
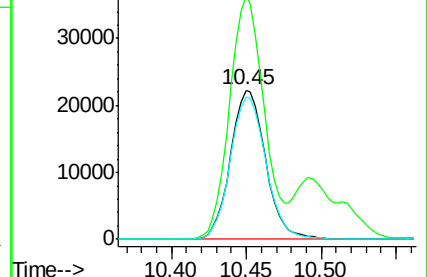
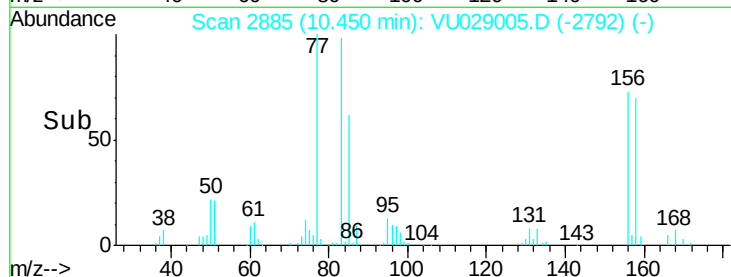
158 97.4 48.9 146.6



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: 20.109 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029005.D

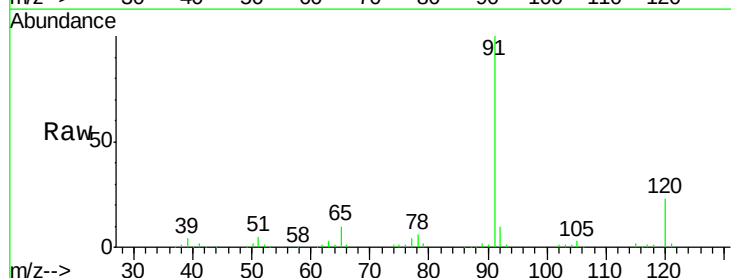
Acq: 03 Jan 2019 18:25

Tgt Ion: 91 Resp: 165397

Ion Ratio Lower Upper

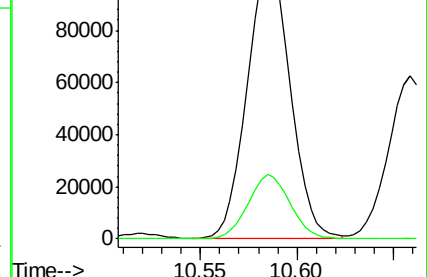
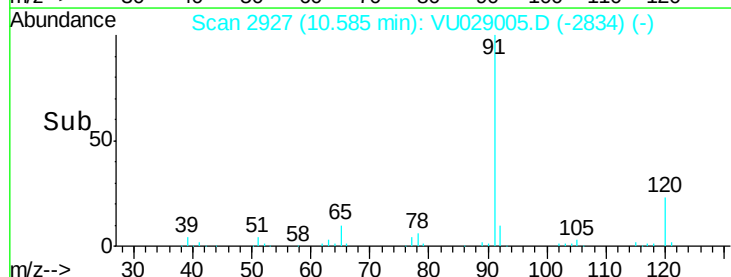
91 100

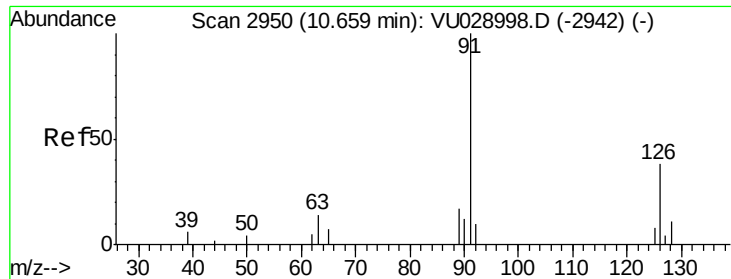
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.931 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

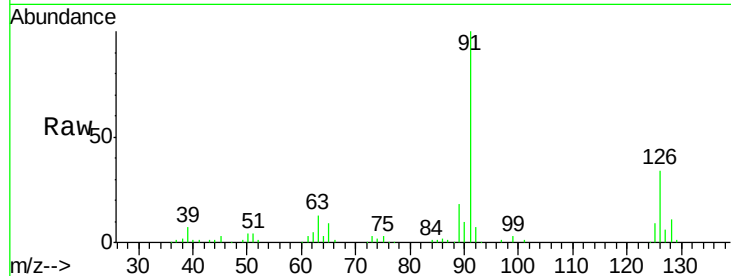
ClientSampleId :

Tot Ion: 91 Resp: 99444

Ion Ratio Lower Upper

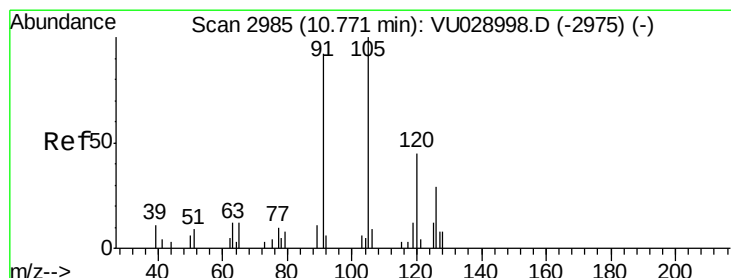
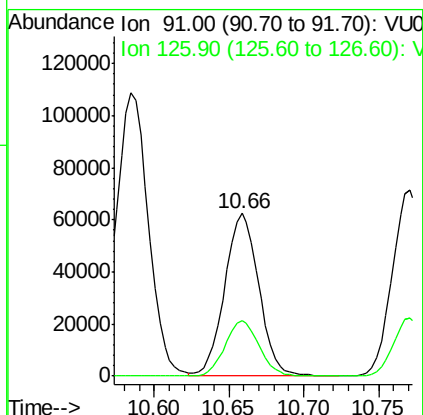
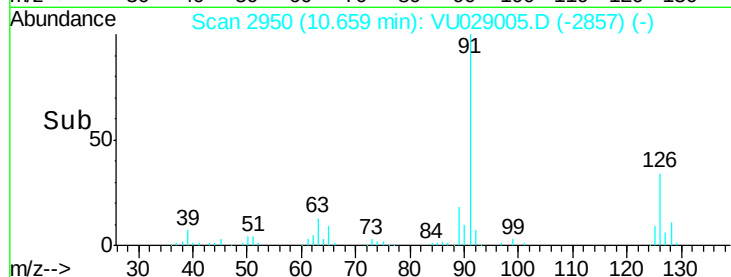
91 100

126 33.9 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2942) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.906 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029005.D

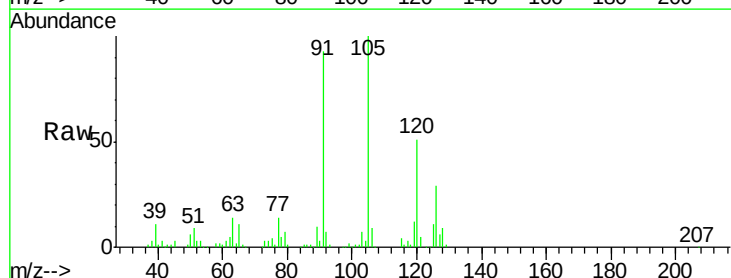
Acq: 03 Jan 2019 18:25

Tgt Ion: 105 Resp: 116014

Ion Ratio Lower Upper

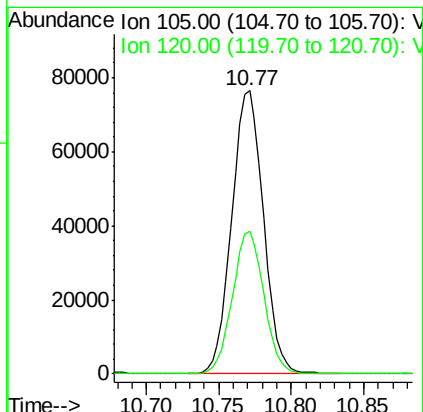
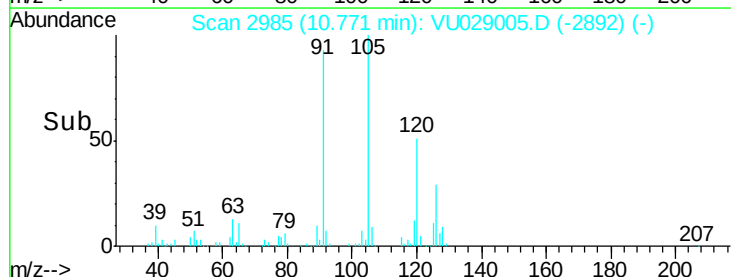
105 100

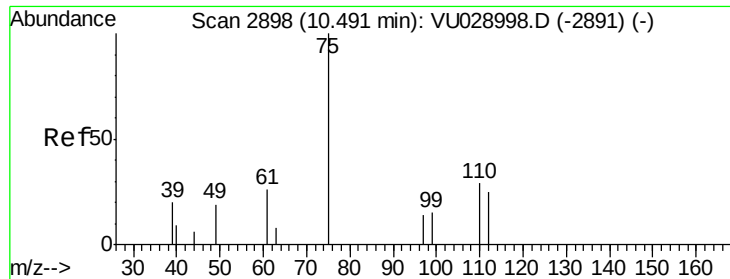
120 50.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 72.195 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

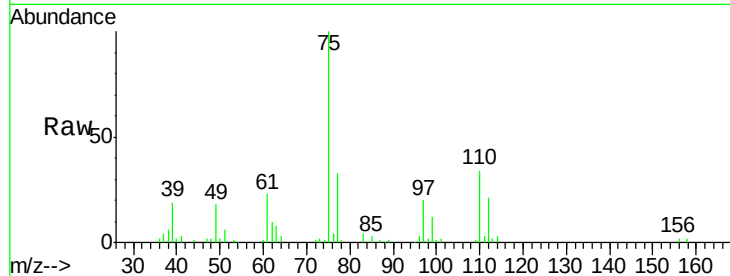
Tot Ion: 75 Resp: 64672

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

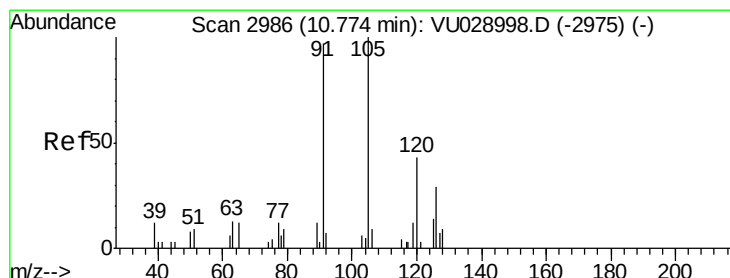
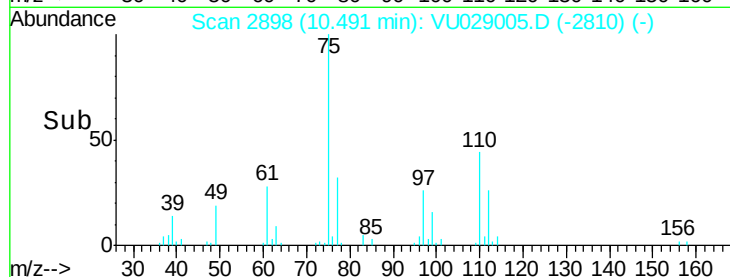
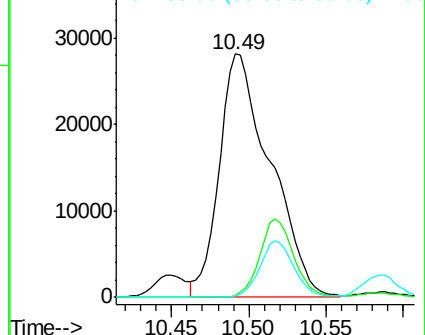
89 0.0 0.0 0.0



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: 19.438 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029005.D

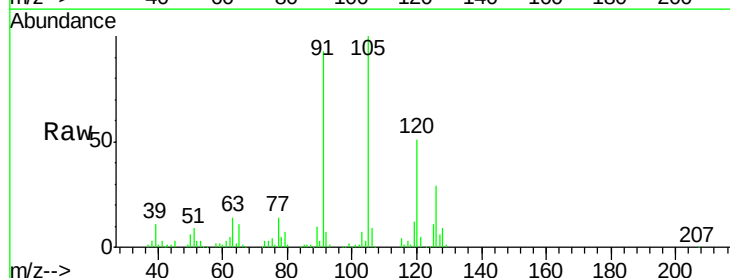
Acq: 03 Jan 2019 18:25

Tgt Ion: 91 Resp: 111207

Ion Ratio Lower Upper

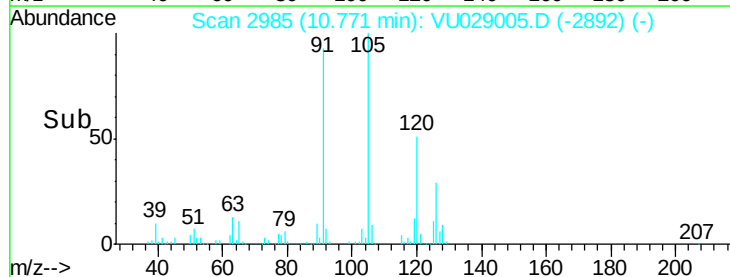
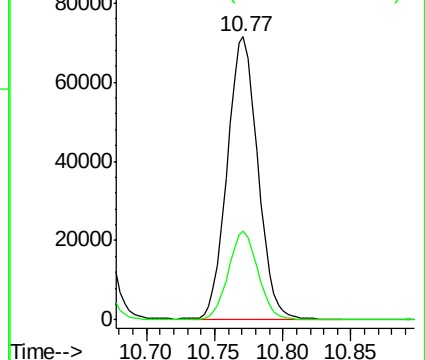
91 100

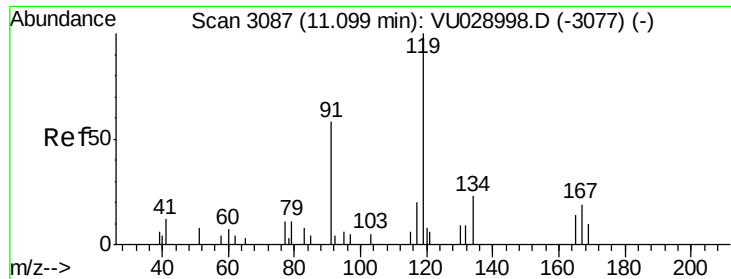
126 30.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

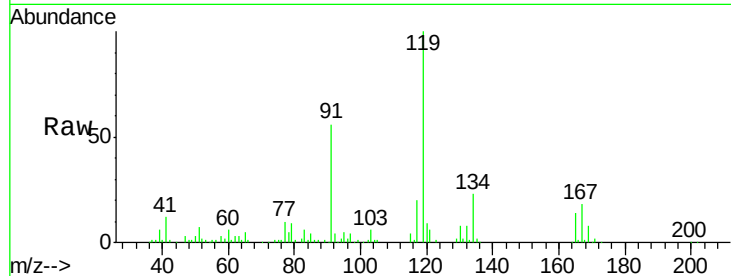




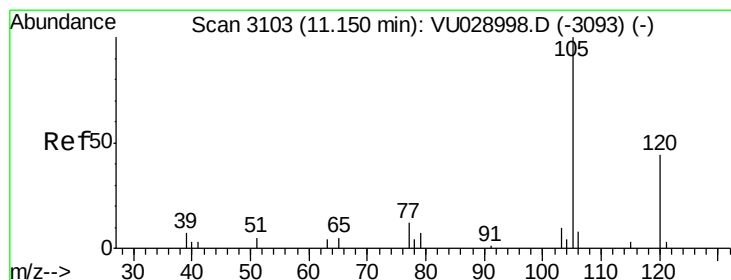
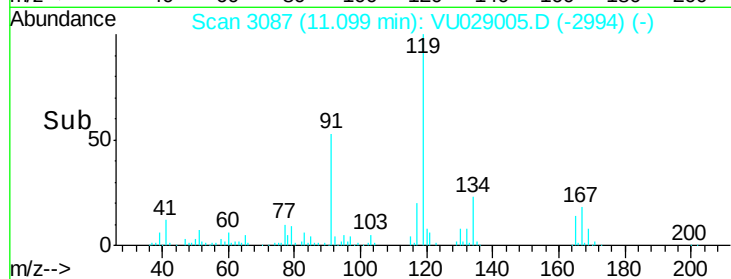
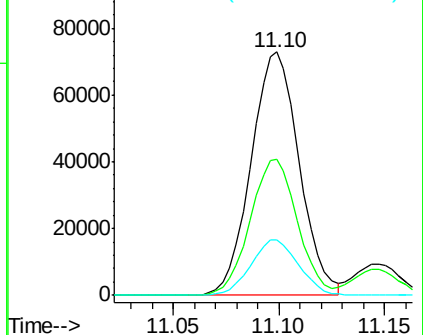
#83
 tert-Butylbenzene
 Concen: 20.114 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 115543
 Ion Ratio Lower Upper
 119 100
 91 54.9 28.2 84.6
 134 22.5 11.3 33.8

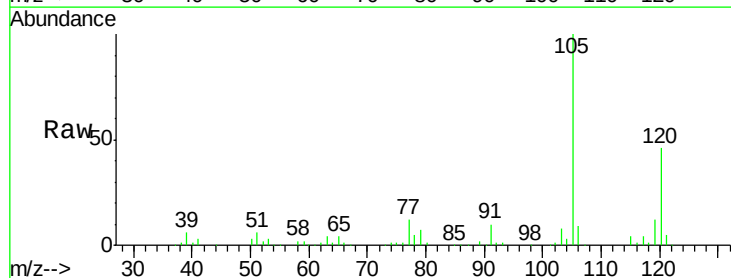


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

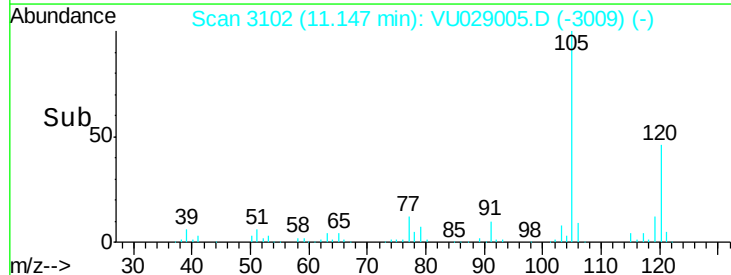
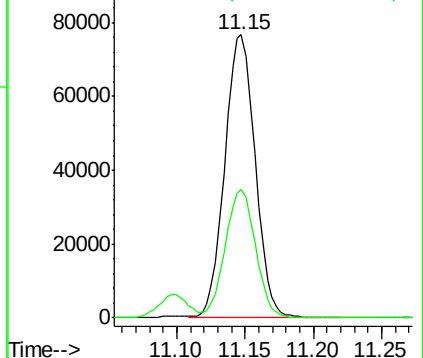


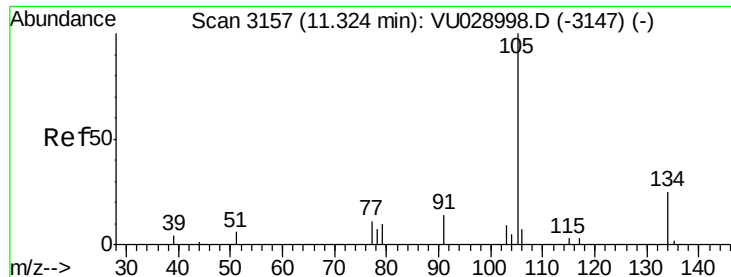
#84
 1,2,4-Trimethylbenzene
 Concen: 20.469 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:105 Resp: 119107
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.3



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

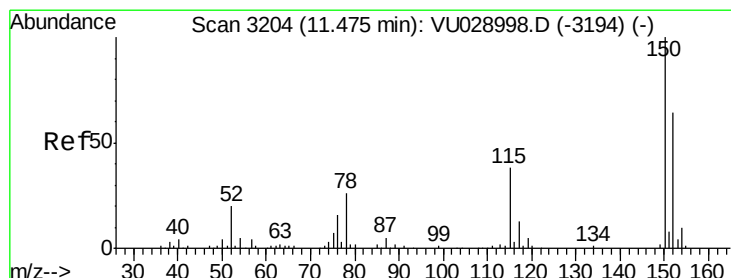
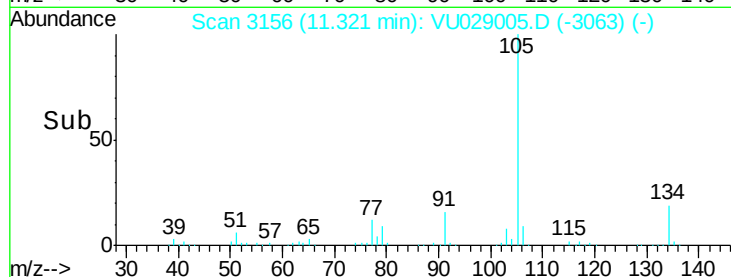
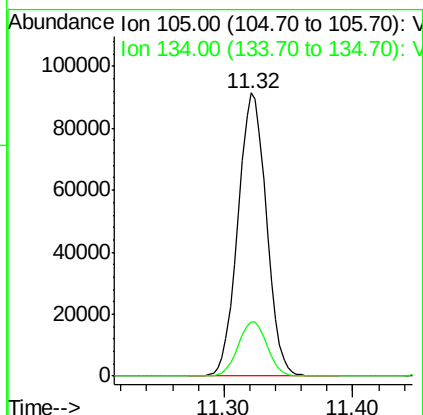
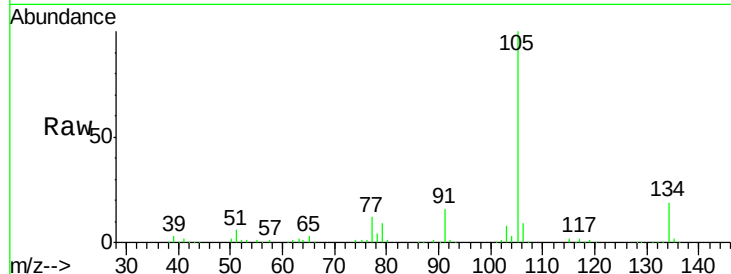




#85
 sec-Butylbenzene
 Concen: 20.199 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

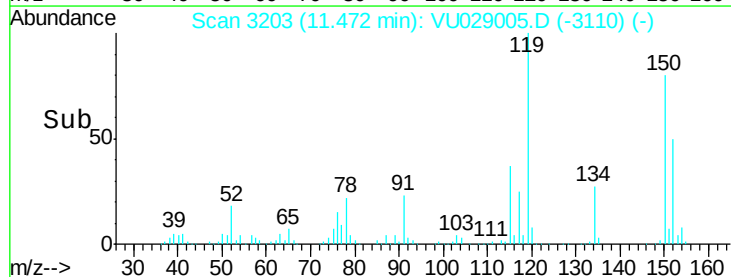
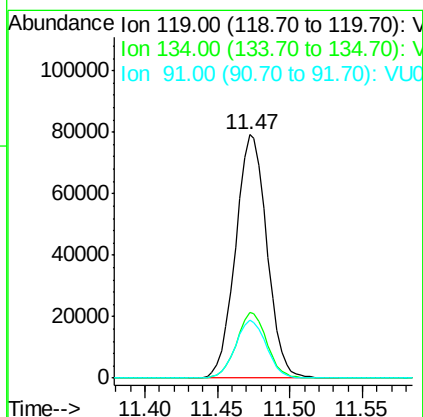
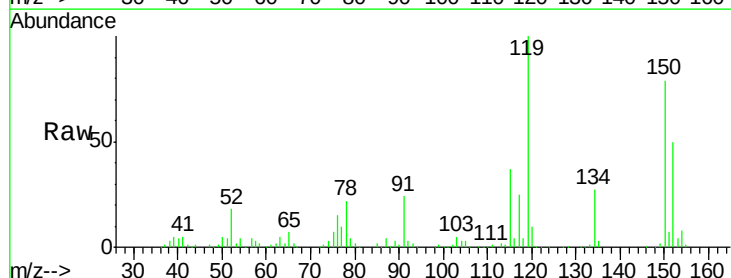
Instrument :
 MSVOA_U
 ClientSampleId :

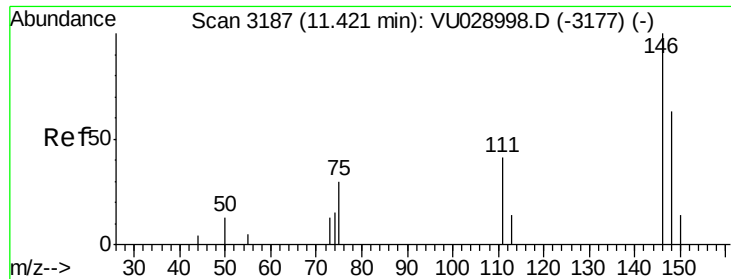
Tot Ion:105 Resp: 140330
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.022 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:119 Resp: 118532
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.4
 91 23.5 11.3 33.8

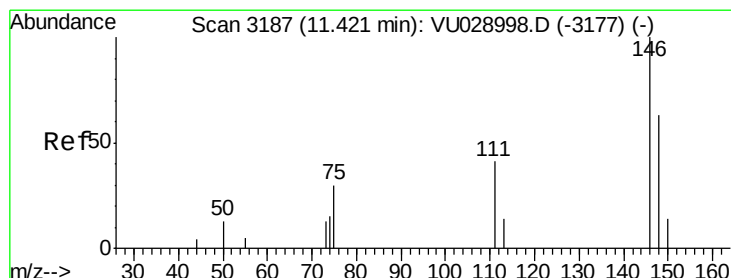
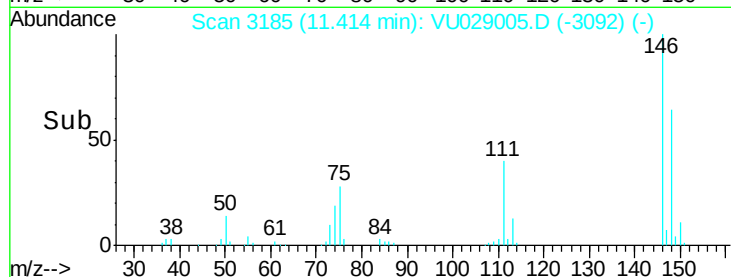
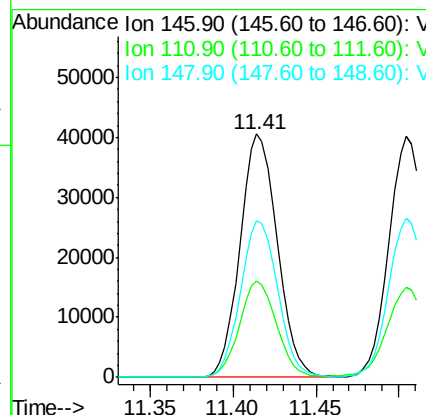
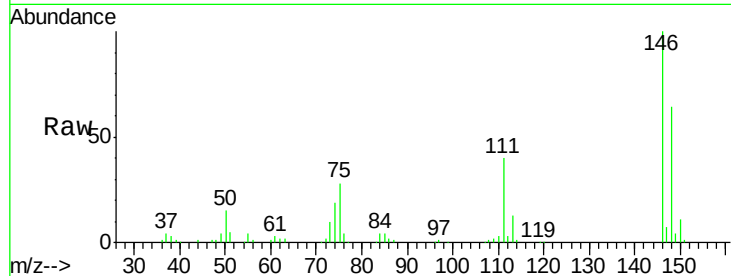




#87
 1,3-Dichlorobenzene
 Concen: 19.085 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

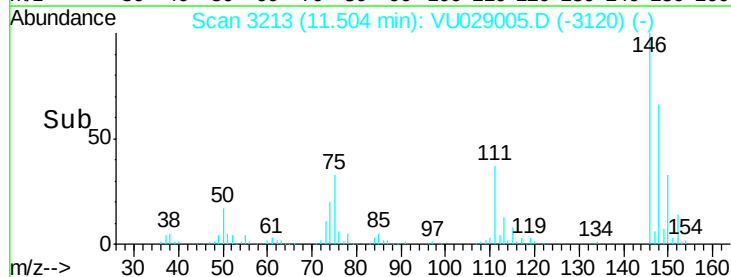
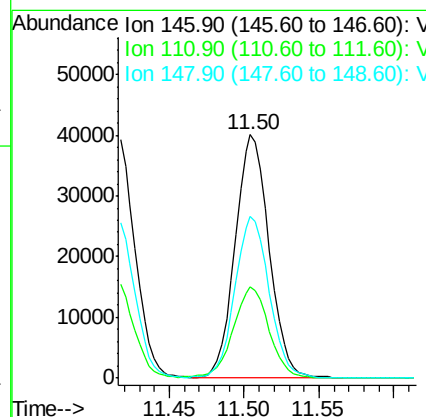
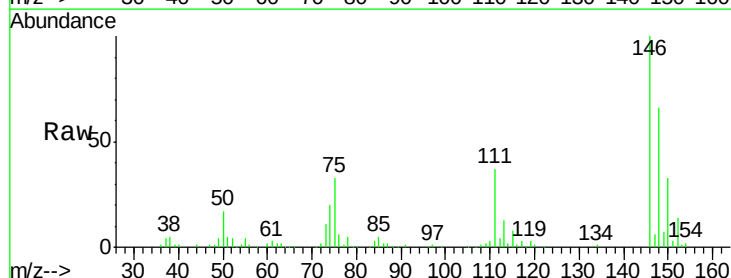
Instrument :
 MSVOA_U
 ClientSampled :

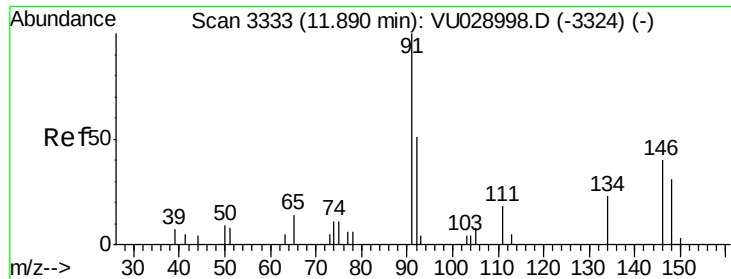
Tot Ion:146 Resp: 63668
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.8
 148 64.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.408 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:146 Resp: 63391
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.3
 148 67.2 32.6 98.0





#89

n-Butylbenzene

Concen: 19.475 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

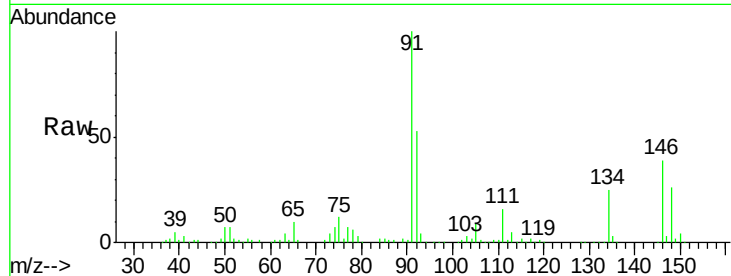
Tot Ion: 91 Resp: 102901

Ion Ratio Lower Upper

91 100

92 53.1 26.2 78.5

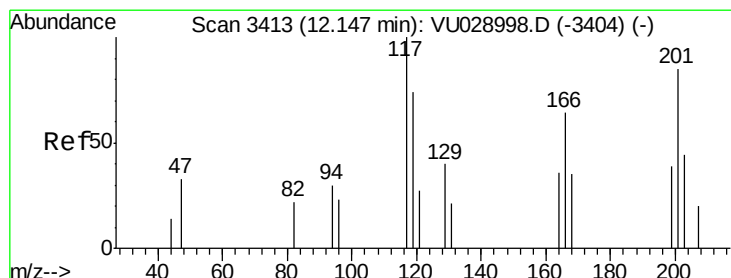
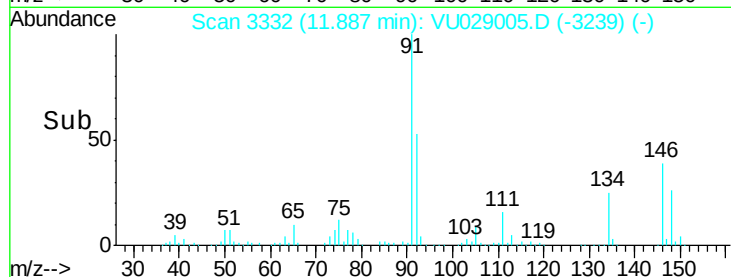
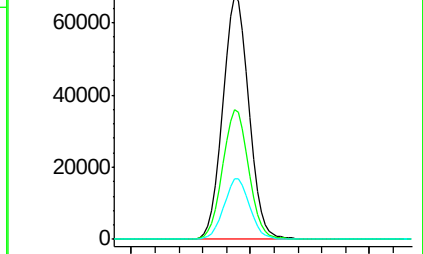
134 24.6 12.6 37.6



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) (-)



#90

Hexachloroethane

Concen: 18.347 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029005.D

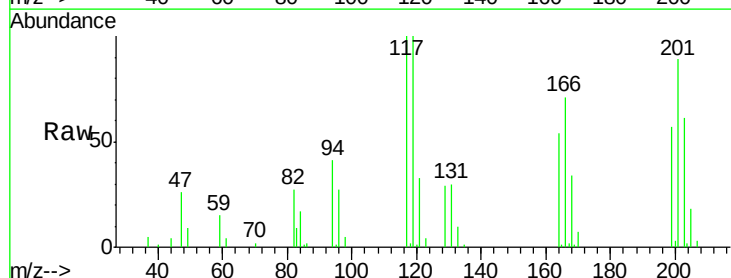
Acq: 03 Jan 2019 18:25

Tgt Ion: 117 Resp: 18272

Ion Ratio Lower Upper

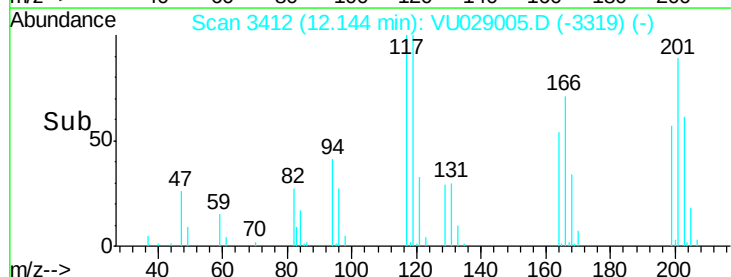
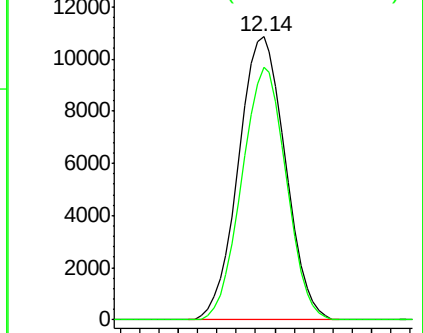
117 100

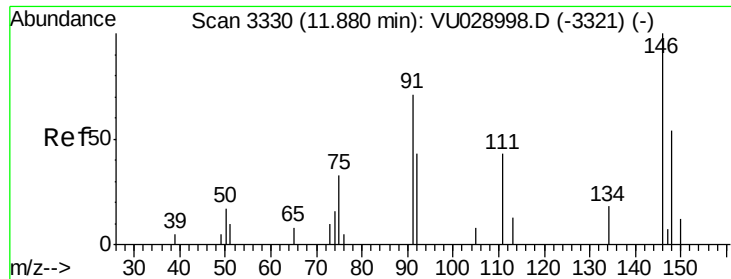
201 84.6 42.4 127.3



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

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

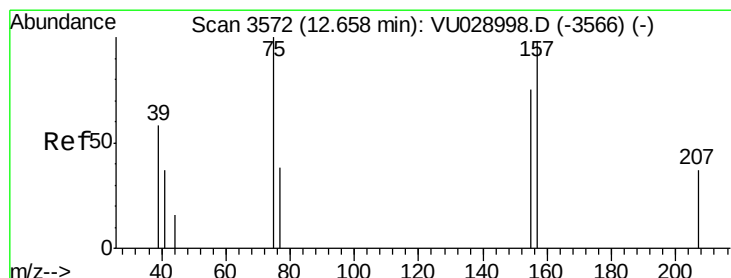
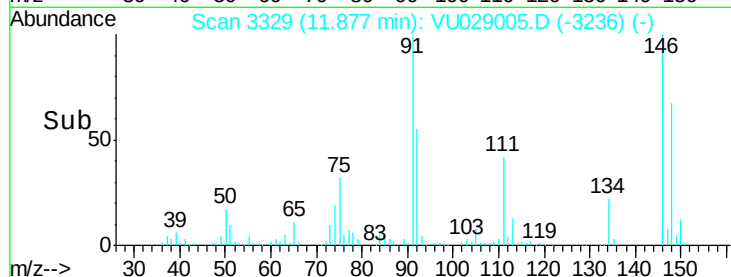
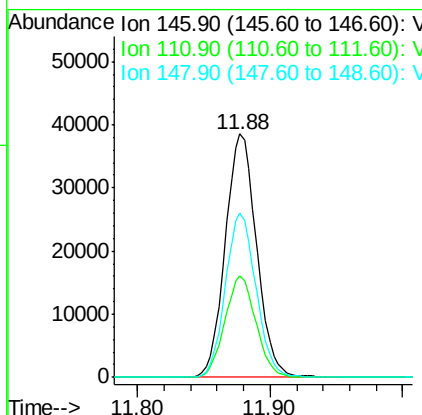
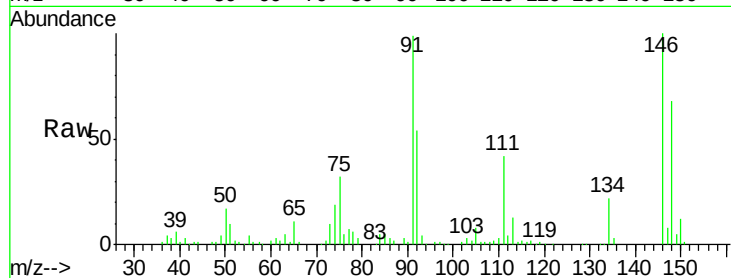




#91
 1,2-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

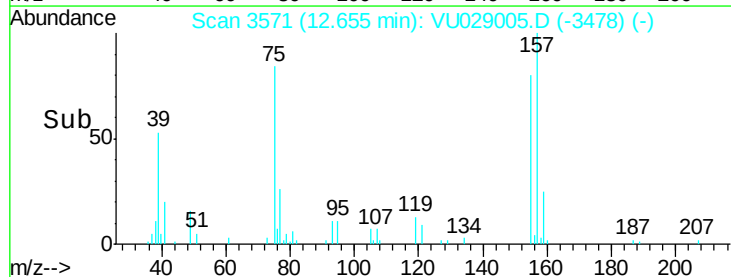
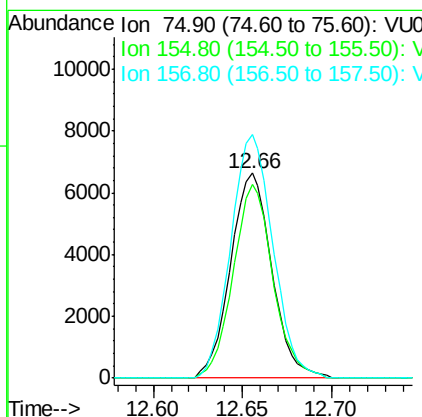
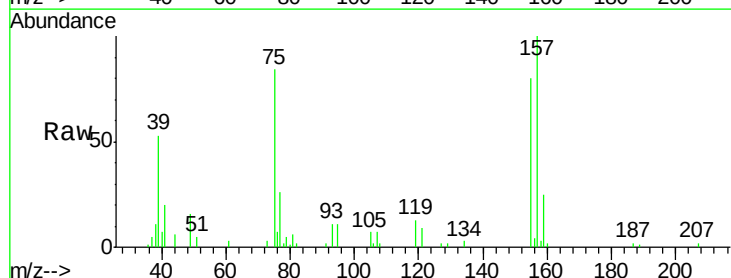
Instrument :
 MSVOA_U
 ClientSampled :

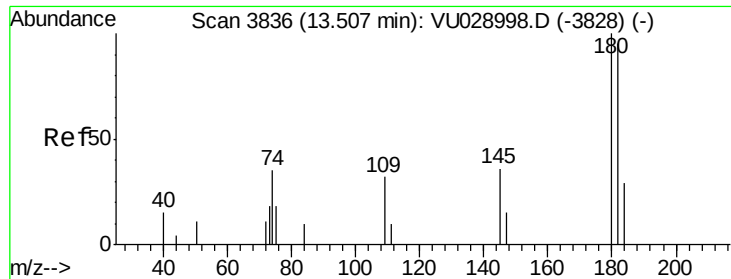
Tot Ion:146 Resp: 63149
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 65.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.946 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 75 Resp: 10731
 Ion Ratio Lower Upper
 75 100
 155 90.8 46.3 138.8
 157 121.0 57.4 172.0

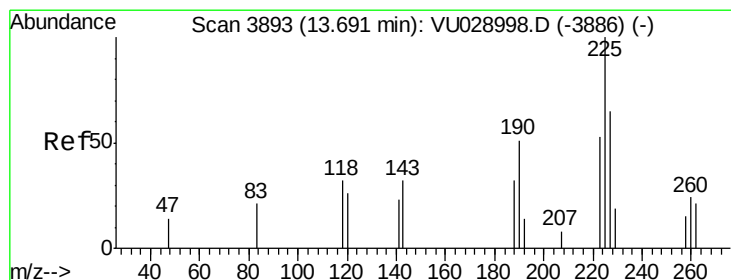
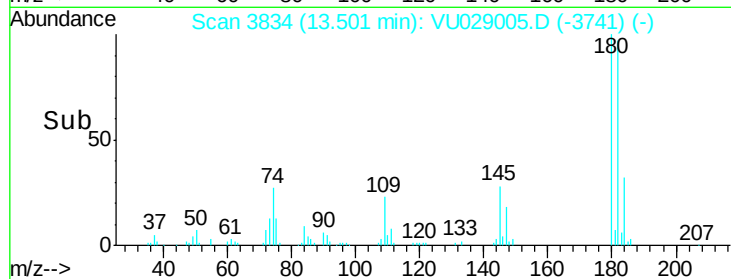
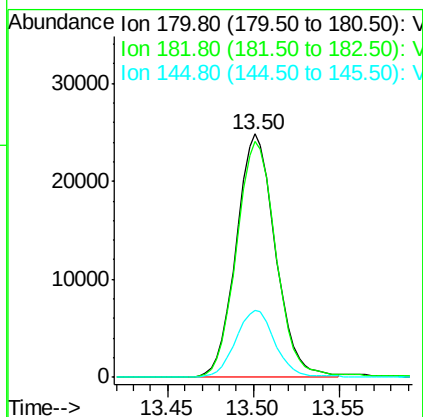
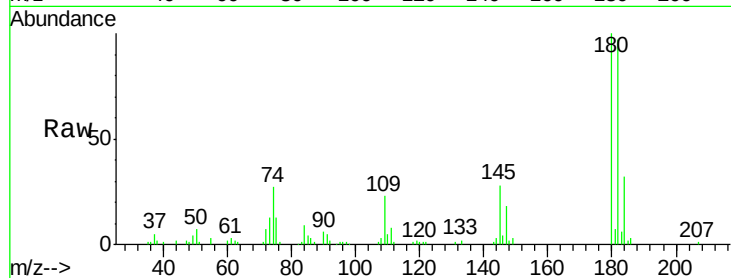




#93
 1,2,4-Trichlorobenzene
 Concen: 18.324 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

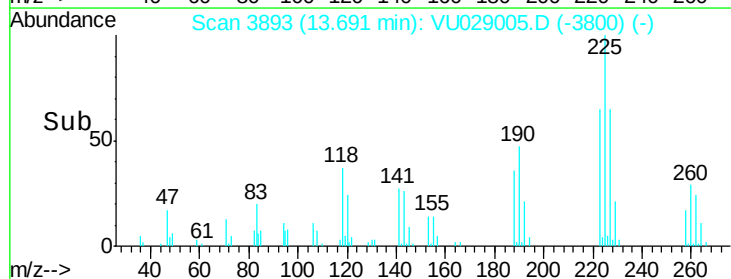
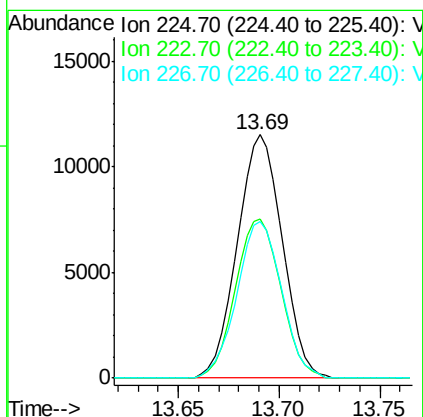
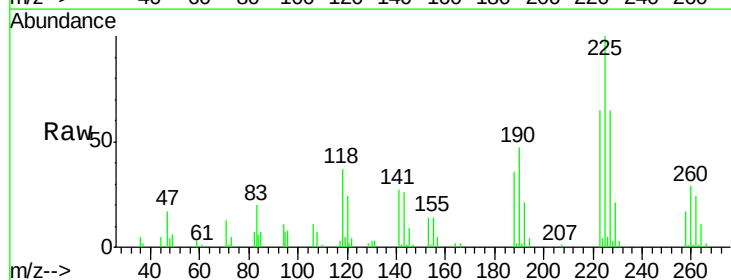
Instrument :
 MSVOA_U
 ClientSampleId :

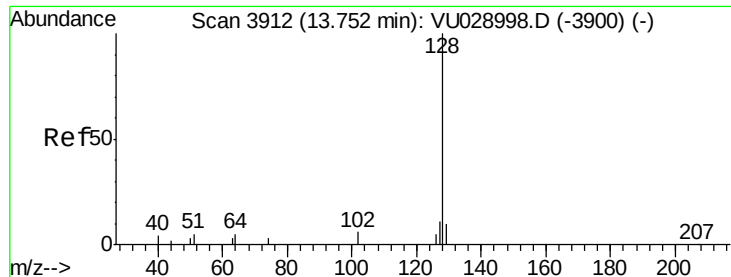
Tot Ion:180 Resp: 39305
 Ion Ratio Lower Upper
 180 100
 182 98.6 47.5 142.6
 145 27.7 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 18.367 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:225 Resp: 18020
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.4 94.0
 227 64.0 31.9 95.5

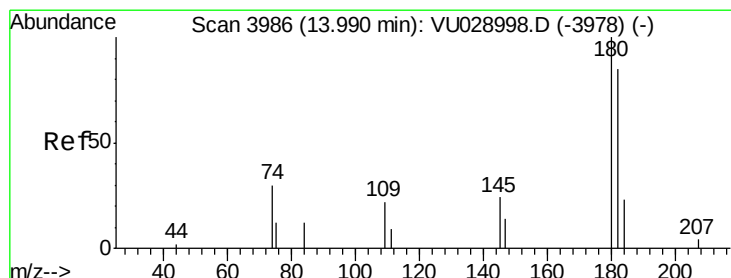
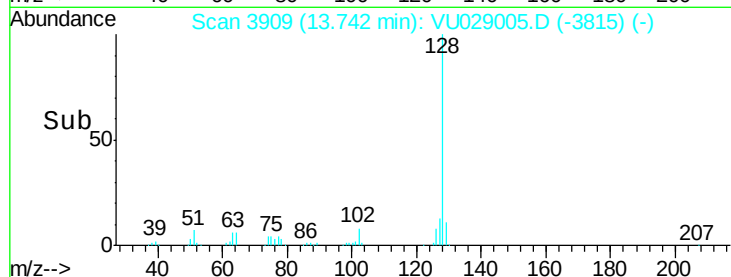
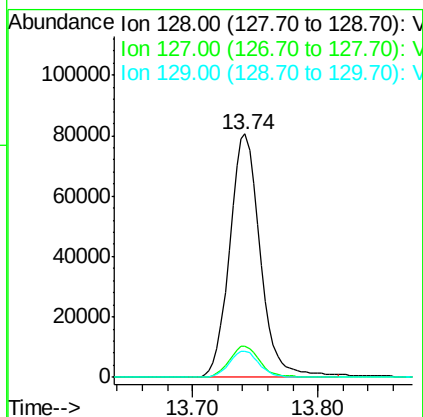
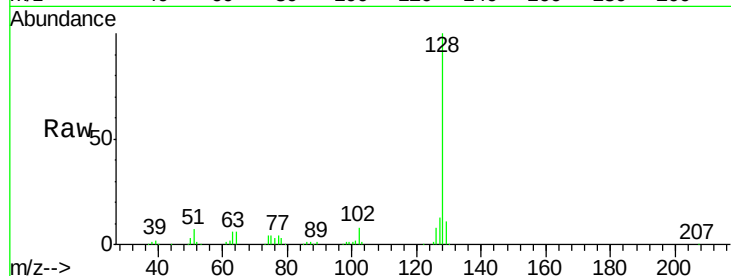




#95
Naphthalene
Concen: 18.664 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 136190
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.425 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:180 Resp: 41831
Ion Ratio Lower Upper
180 100
182 94.5 48.1 144.3
145 29.9 14.8 44.4

