

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028053.D
 Acq On : 09 Nov 2018 18:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 12 06:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	375429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	689363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	633673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	297919	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	318537	57.07	ug/l	0.00
Spiked Amount			Recovery	=	114.14%	
35) Dibromofluoromethane	4.88	113	238125	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
50) Toluene-d8	7.57	98	944186	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
62) 4-Bromofluorobenzene	10.31	95	334547	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	93764	19.655	ug/l	98
3) Chloromethane	1.33	50	144579	25.059	ug/l	99
4) Vinyl Chloride	1.40	62	140338	24.508	ug/l	99
5) Bromomethane	1.61	94	81532	36.447	ug/l	98
6) Chloroethane	1.68	64	82885	25.117	ug/l	99
7) Trichlorofluoromethane	1.88	101	158399	23.938	ug/l	96
8) Diethyl Ether	2.10	74	74411	26.263	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	101709	25.875	ug/l	98
10) Methyl Iodide	2.41	142	87331	28.196	ug/l	98
11) Tert butyl alcohol	2.84	59	187218	126.699	ug/l	99
12) 1,1-Dichloroethene	2.28	96	96365	24.491	ug/l	97
13) Acrolein	2.20	56	48629	84.982	ug/l	97
14) Allyl chloride	2.59	41	229533	23.868	ug/l	99
15) Acrylonitrile	2.94	53	466010	128.386	ug/l	99
16) Acetone	2.32	43	453206	130.868	ug/l	100
17) Carbon Disulfide	2.48	76	300262	23.347	ug/l	99
18) Methyl Acetate	2.62	43	237940	24.977	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	400101	25.215	ug/l	100
20) Methylene Chloride	2.70	84	125726	24.865	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	108727	23.944	ug/l	99
22) Diisopropyl ether	3.58	45	502839	25.327	ug/l	99
23) Vinyl Acetate	3.53	43	2144366	125.675	ug/l	100
24) 1,1-Dichloroethane	3.45	63	242283	24.500	ug/l	98
25) 2-Butanone	4.26	43	705587	128.068	ug/l	99
26) 2,2-Dichloropropane	4.23	77	179618	24.203	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	135216	26.555	ug/l	99
28) Bromochloromethane	4.55	49	125068	26.977	ug/l	99
29) Tetrahydrofuran	4.64	42	443213	120.475	ug/l	99
30) Chloroform	4.67	83	221907	24.473	ug/l	99
31) Cyclohexane	5.00	56	241090	23.963	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	182585	25.296	ug/l	99
36) 1,1-Dichloropropene	5.14	75	166238	23.025	ug/l	99
37) Ethyl Acetate	4.38	43	247627	23.408	ug/l	99
38) Carbon Tetrachloride	5.13	117	145467	22.735	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	206215	23.681	ug/l	98
40) Benzene	5.39	78	521869	23.642	ug/l	99
41) Methacrylonitrile	4.54	41	137213	24.304	ug/l	98
42) 1,2-Dichloroethane	5.40	62	184295	23.488	ug/l	99
43) Isopropyl Acetate	5.55	43	388769	23.457	ug/l	99
44) Trichloroethene	6.19	130	113853	23.995	ug/l	99
45) 1,2-Dichloropropane	6.43	63	152035	23.882	ug/l	100
46) Dibromomethane	6.56	93	88860	24.284	ug/l	95
47) Bromodichloromethane	6.76	83	171479	24.317	ug/l	99
48) Methyl methacrylate	6.62	41	202728	24.961	ug/l	99
49) 1,4-Dioxane	6.61	88	72739	548.936	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1315182	118.821	ug/l	99
52) Toluene	7.64	92	309738	23.868	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	198796	23.343	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	215237	24.759	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	127669	24.181	ug/l	95
56) Ethyl methacrylate	8.02	69	230550	24.762	ug/l	100
57) 1,3-Dichloropropane	8.24	76	231823	24.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	627969	125.931	ug/l	100
59) 2-Hexanone	8.36	43	1050058	122.659	ug/l	99
60) Dibromochloromethane	8.48	129	125019	25.023	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133601	23.814	ug/l	97
64) Tetrachloroethene	8.23	164	149854	36.471	ug/l	99
65) Chlorobenzene	9.12	112	320807	23.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	113414	24.802	ug/l	100
67) Ethyl Benzene	9.25	91	597562	24.249	ug/l	100
68) m/p-Xylenes	9.38	106	435847	48.745	ug/l	98
69) o-Xylene	9.78	106	218301	24.178	ug/l	100
70) Styrene	9.79	104	361853	25.083	ug/l	99
71) Bromoform	9.96	173	96032	25.058	ug/l #	99
73) Isopropylbenzene	10.17	105	583651	25.289	ug/l	100
74) N-amyl acetate	10.01	43	368349	26.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	239268	25.701	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	277750	34.084	ug/l	82
77) Bromobenzene	10.45	156	135293	25.565	ug/l	98
78) n-propylbenzene	10.59	91	709840	25.695	ug/l	100
79) 2-Chlorotoluene	10.66	91	417016	25.183	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	493044	25.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	277750	84.916	ug/l #	100
82) 4-Chlorotoluene	10.77	91	474706	25.251	ug/l	99
83) tert-Butylbenzene	11.10	119	477095	24.961	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	503574	26.157	ug/l	99
85) sec-Butylbenzene	11.32	105	604887	26.022	ug/l	99
86) p-Isopropyltoluene	11.48	119	505181	25.997	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	246780	25.243	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	250118	24.961	ug/l	99
89) n-Butylbenzene	11.89	91	473654	25.648	ug/l	100
90) Hexachloroethane	12.14	117	89352	25.827	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	251631	25.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52247	26.634	ug/l	95

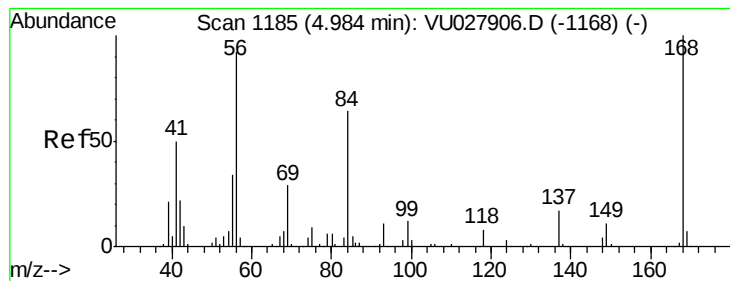
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	160699	23.673	ug/l	99
94) Hexachlorobutadiene	13.69	225	78455	25.109	ug/l	98
95) Naphthalene	13.74	128	588592	23.991	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	165758	25.126	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

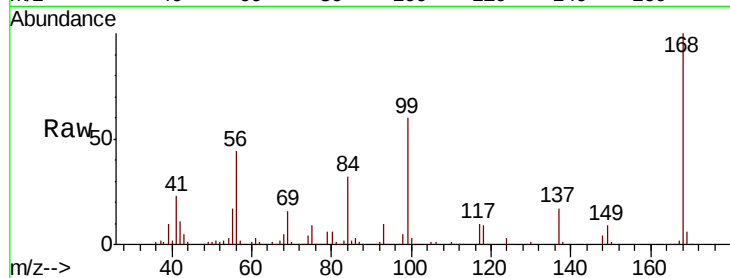
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 375429

Ion Ratio Lower Upper

168 100

99 59.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028053.D (-1092) (-)

4.98

150000

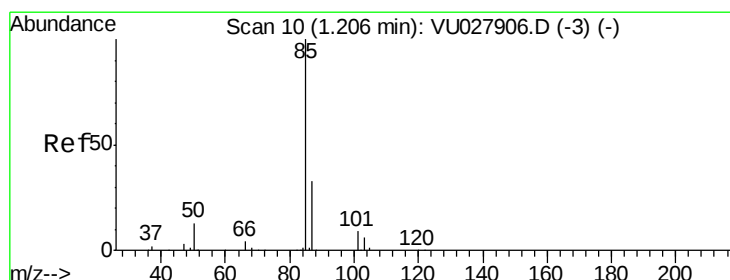
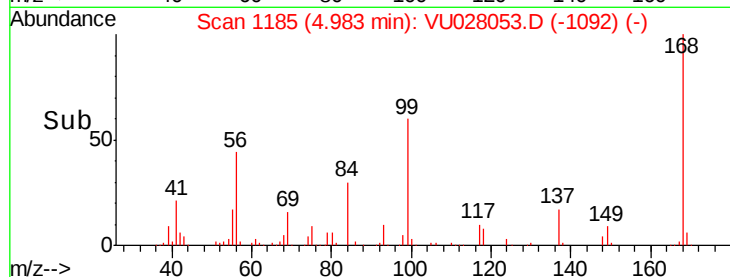
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.655 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028053.D

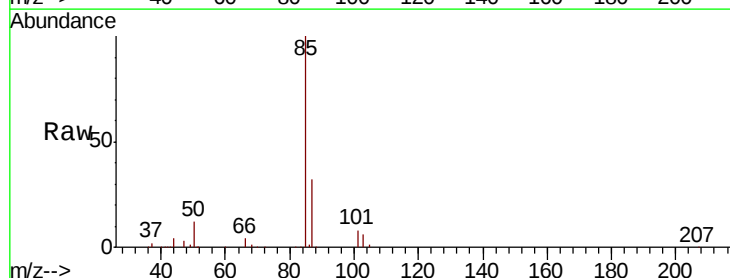
Acq: 09 Nov 2018 18:34

Tgt Ion: 85 Resp: 93764

Ion Ratio Lower Upper

85 100

87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028053.D (-1) (-)

1.21

100000

80000

60000

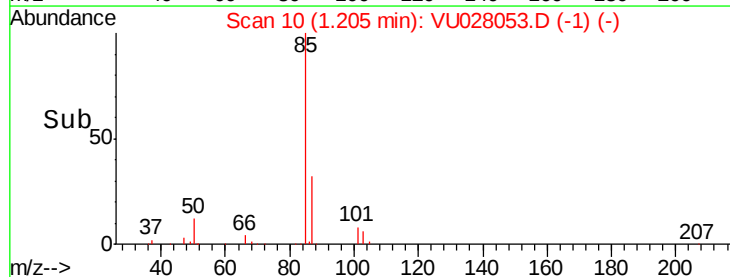
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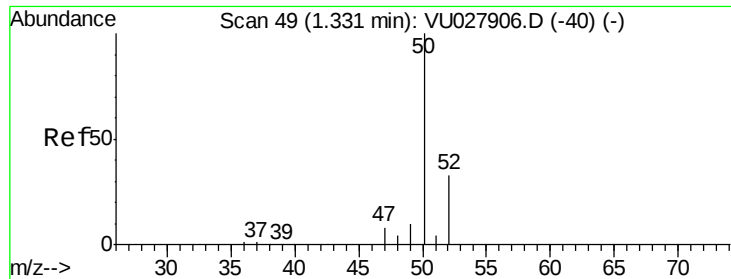
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 25.059 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

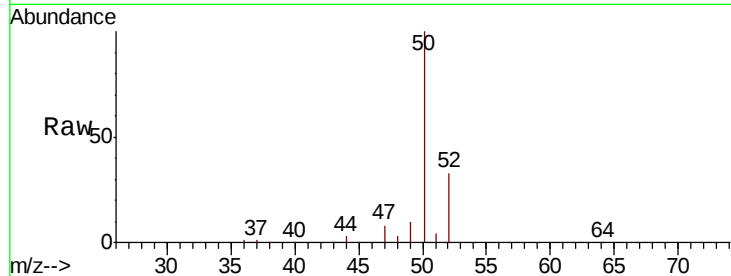
VSTDCCC050EC

Tot Ion: 50 Resp: 144579

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)

1.33

150000

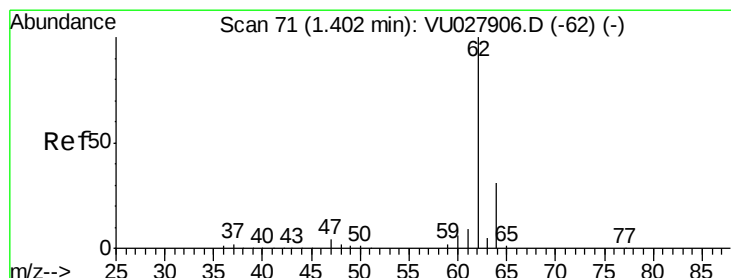
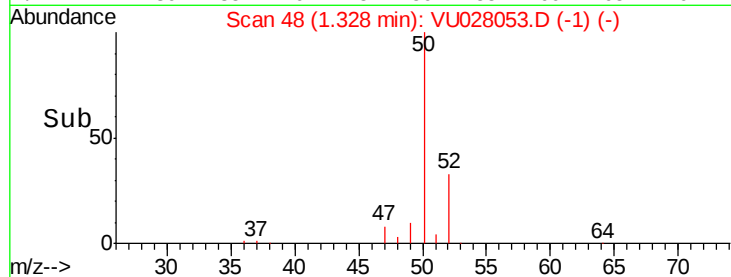
100000

50000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 24.508 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028053.D

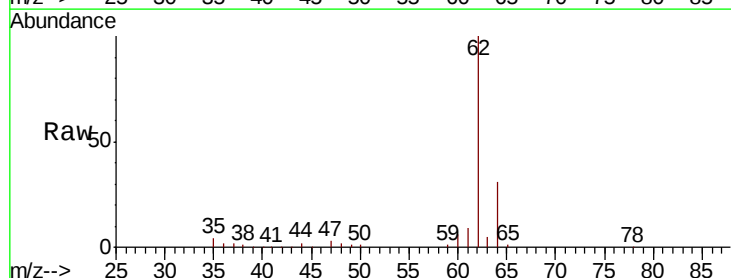
Acq: 09 Nov 2018 18:34

Tgt Ion: 62 Resp: 140338

Ion Ratio Lower Upper

62 100

64 31.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.40

150000

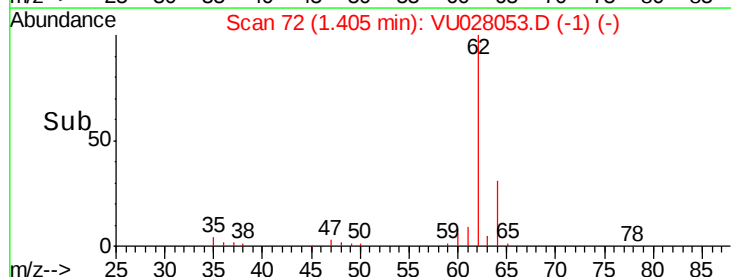
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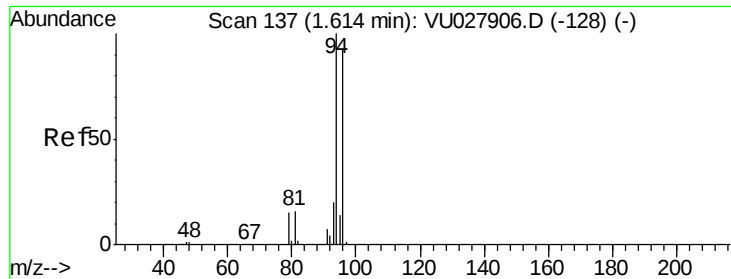
50000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 36.447 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

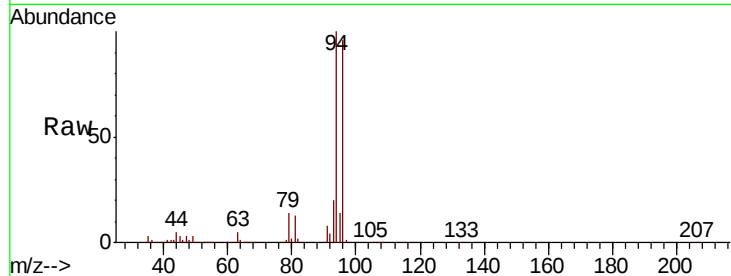
VSTDCCC050EC

Tot Ion: 94 Resp: 81532

Ion Ratio Lower Upper

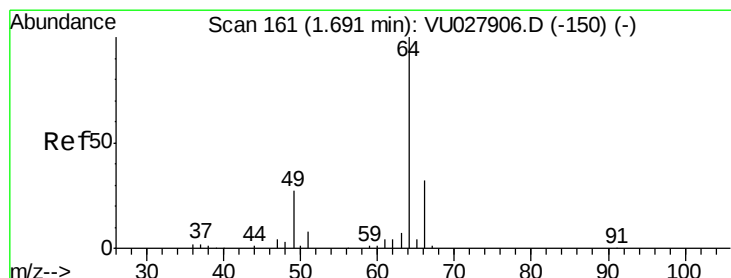
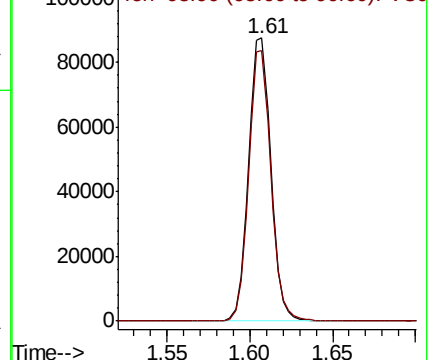
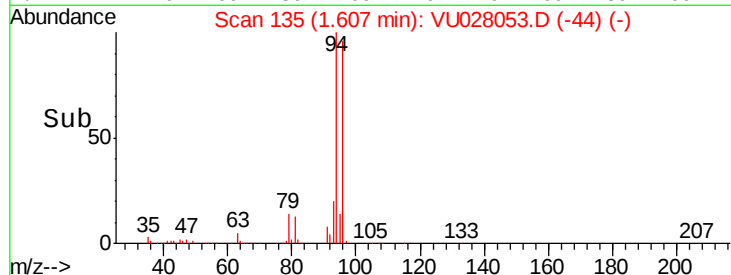
94 100

96 95.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028053.D (-44) (-)



#6

Chloroethane

Concen: 25.117 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028053.D

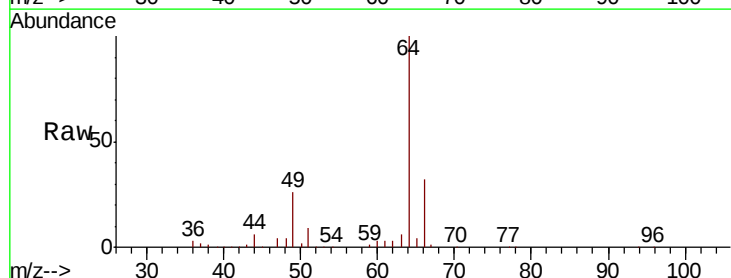
Acq: 09 Nov 2018 18:34

Tgt Ion: 64 Resp: 82885

Ion Ratio Lower Upper

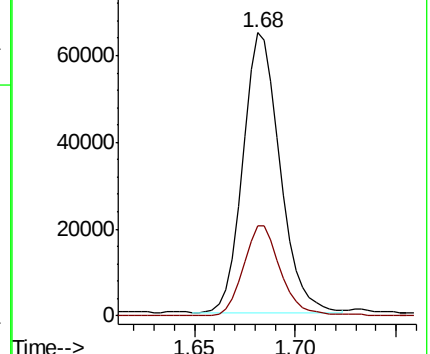
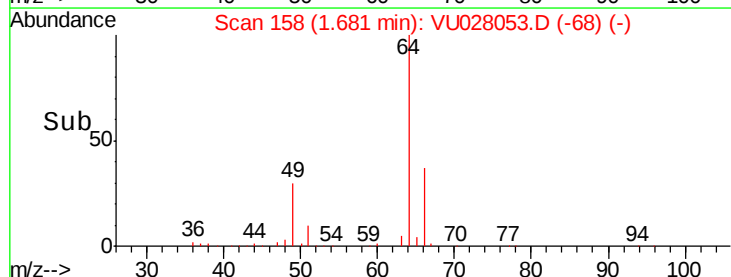
64 100

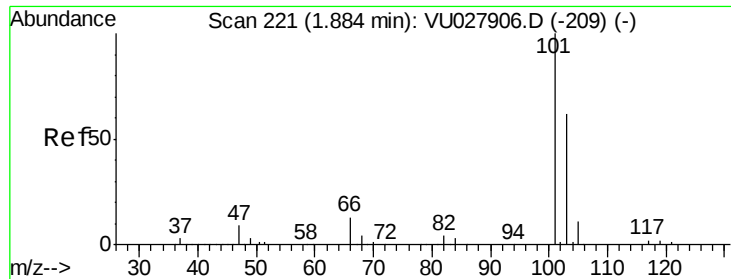
66 31.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028053.D (-68) (-)



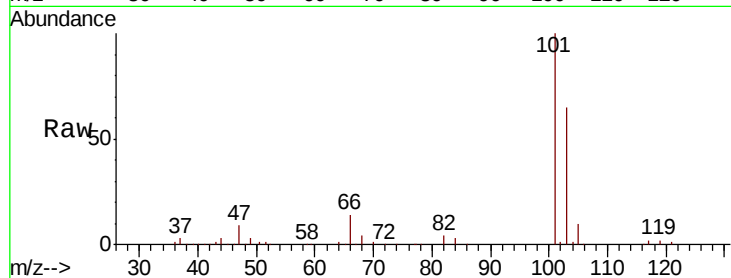


#7

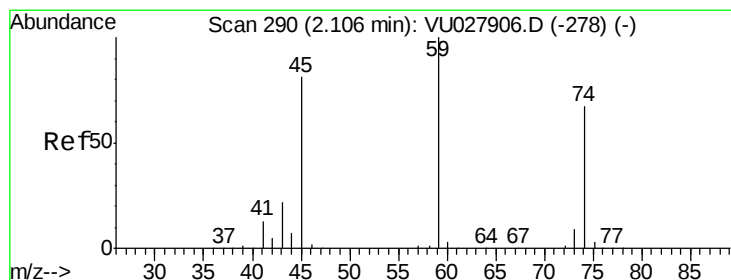
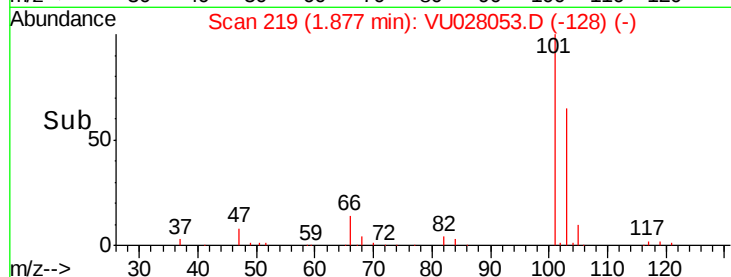
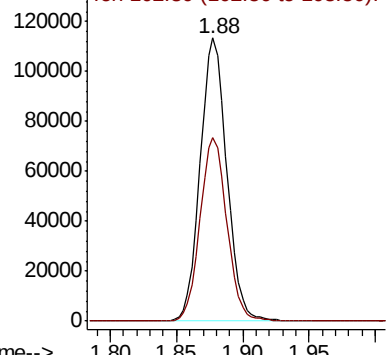
Trichlorofluoromethane
Concen: 23.938 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
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Tot Ion:101 Resp: 158399
Ion Ratio Lower Upper
101 100
103 64.9 49.4 74.2



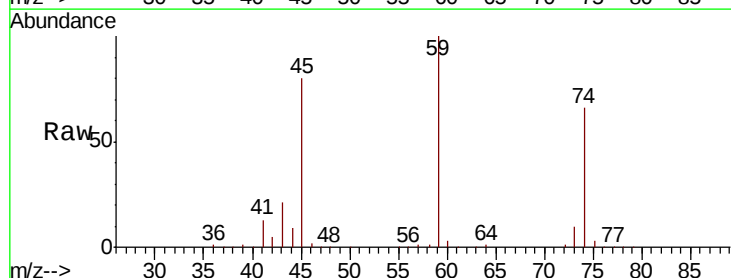
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



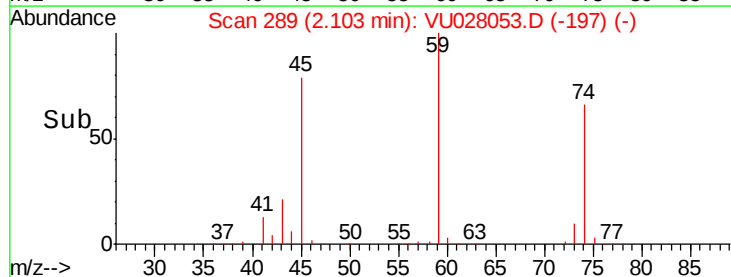
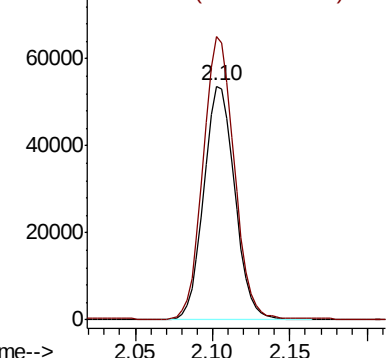
#8

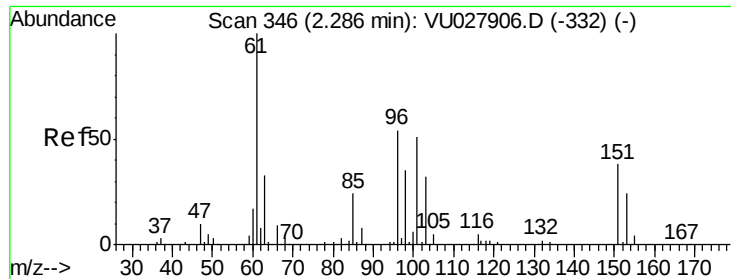
Diethyl Ether
Concen: 26.263 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 74 Resp: 74411
Ion Ratio Lower Upper
74 100
45 120.8 60.5 181.5



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: 25.875 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

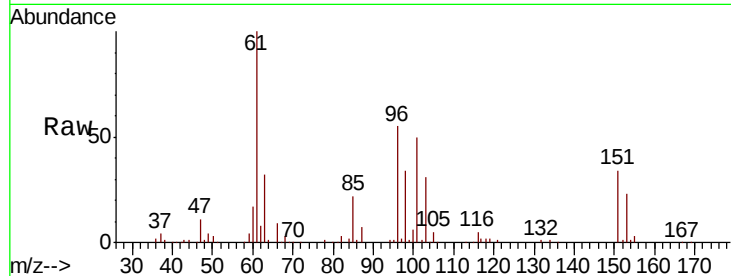
Tot Ion:101 Resp: 101709

Ion Ratio Lower Upper

101 100

85 45.2 36.9 55.3

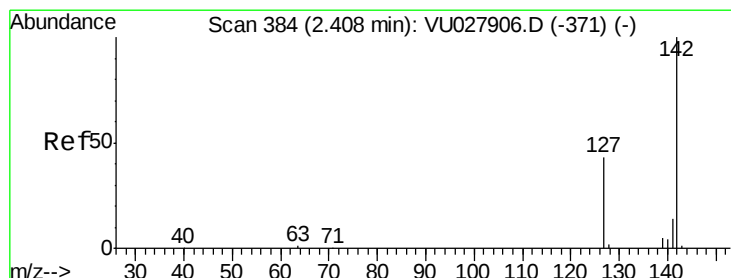
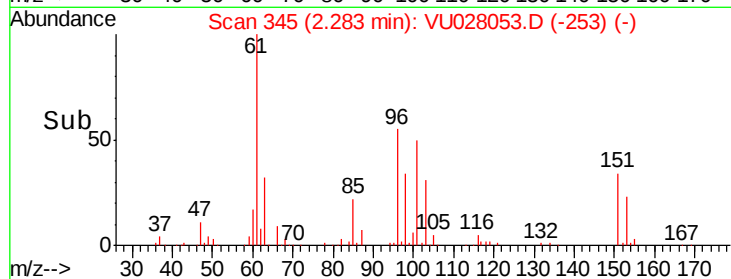
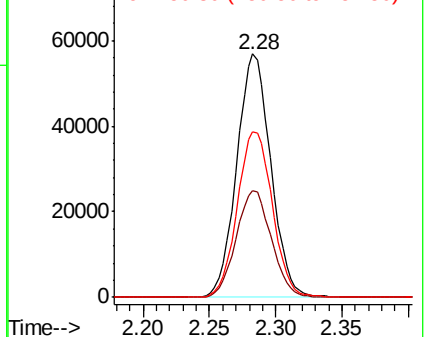
151 70.0 58.0 87.0



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: 28.196 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

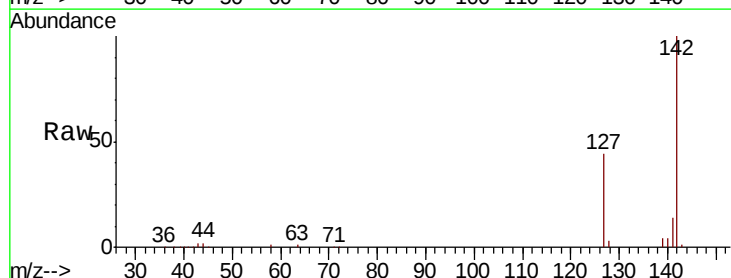
Tgt Ion:142 Resp: 87331

Ion Ratio Lower Upper

142 100

127 42.8 35.2 52.8

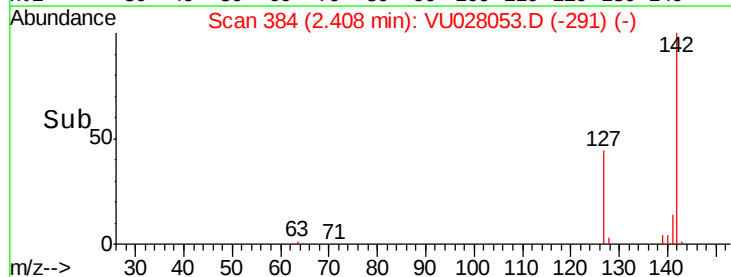
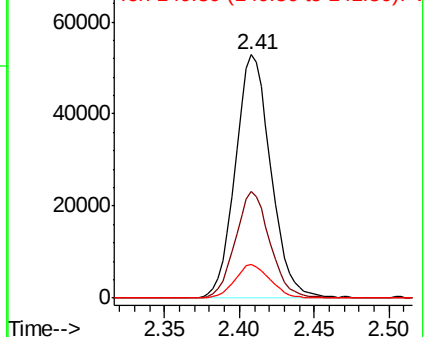
141 13.6 11.8 17.8

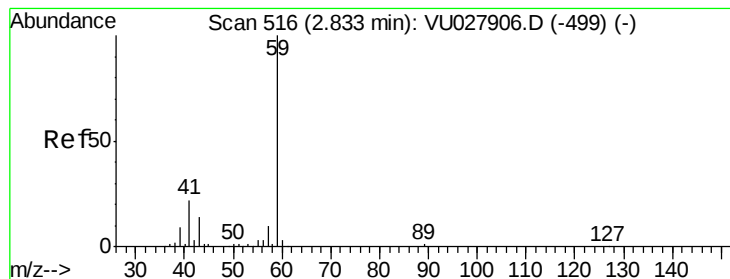


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



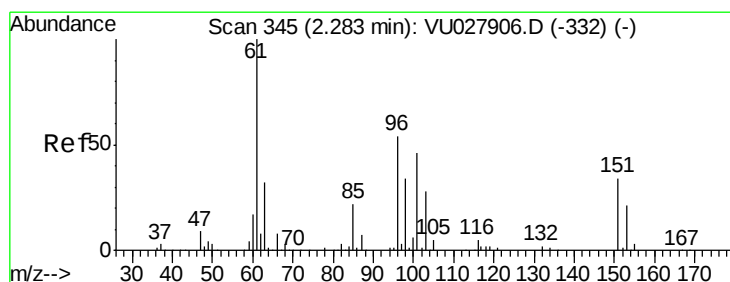
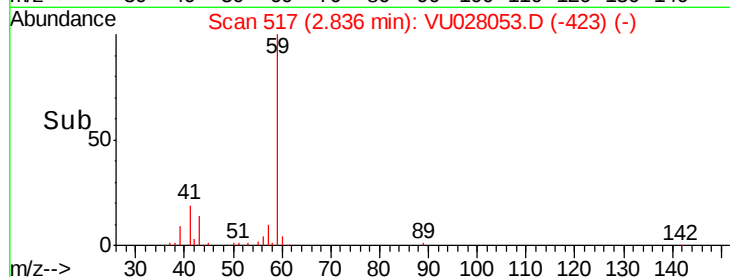
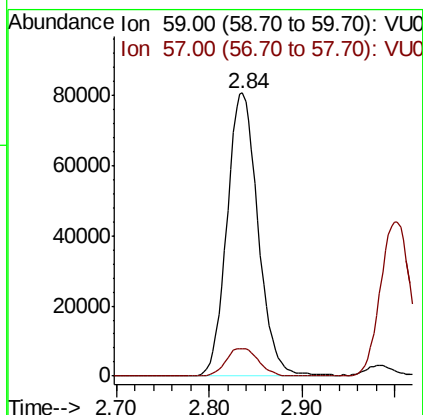
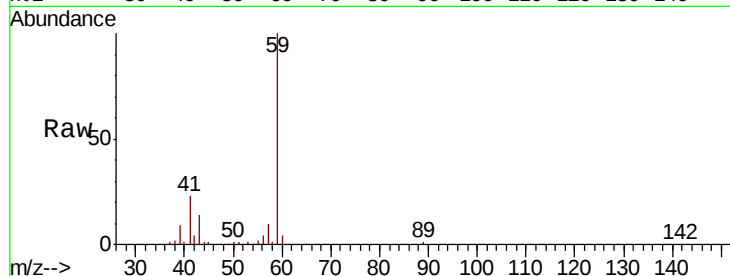


#11

Tert butyl alcohol
 Concen: 126.699 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

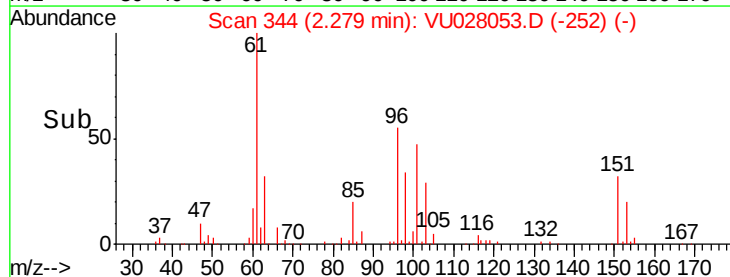
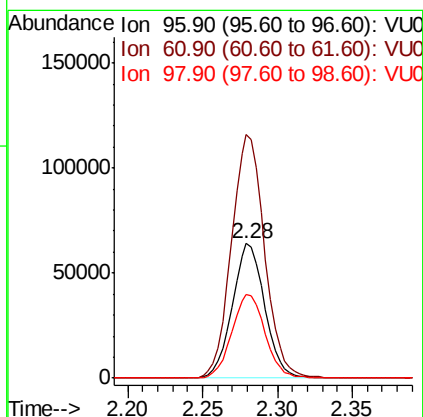
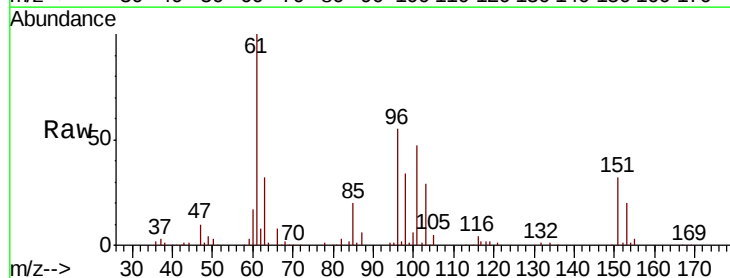
Tot Ion: 59 Resp: 187218
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.8

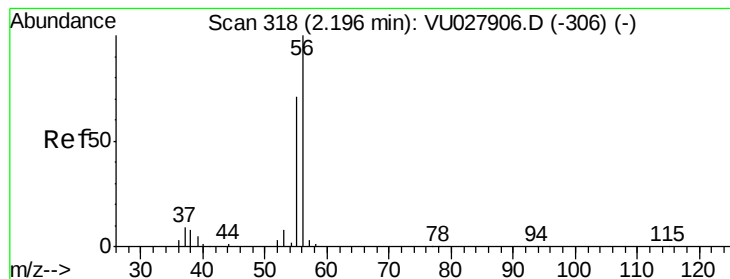


#12

1,1-Dichloroethene
 Concen: 24.491 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 96 Resp: 96365
 Ion Ratio Lower Upper
 96 100
 61 181.3 149.3 223.9
 98 62.3 50.6 75.8





#13

Acrolein

Concen: 84.982 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

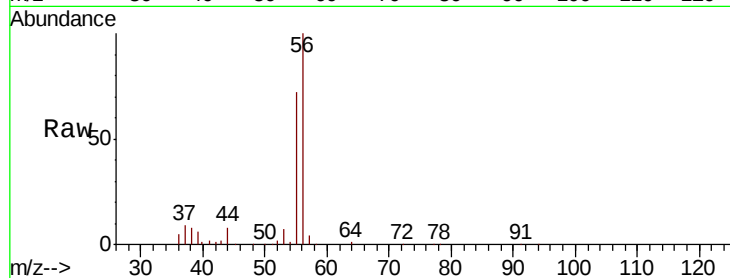
VSTDCCC050EC

Tot Ion: 56 Resp: 48629

Ion Ratio Lower Upper

56 100

55 73.0 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

30000

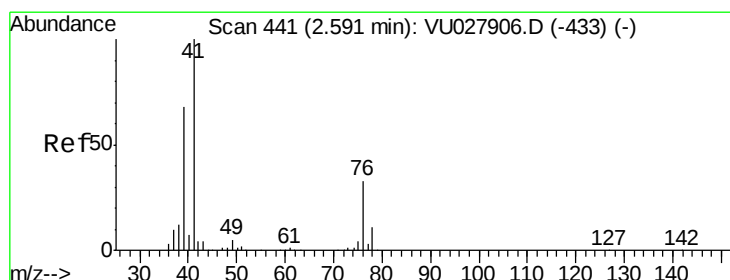
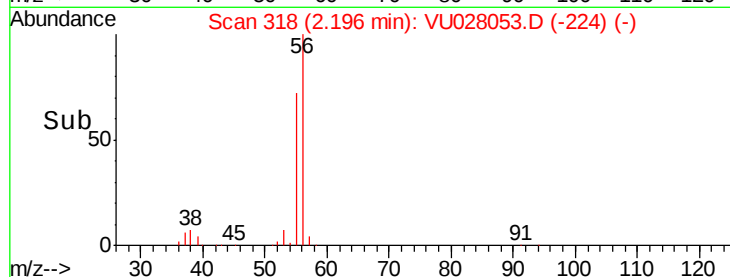
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 23.868 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

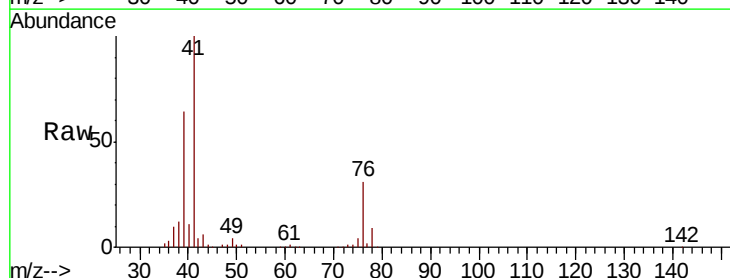
Tgt Ion: 41 Resp: 229533

Ion Ratio Lower Upper

41 100

39 64.3 51.9 77.9

76 29.6 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

150000

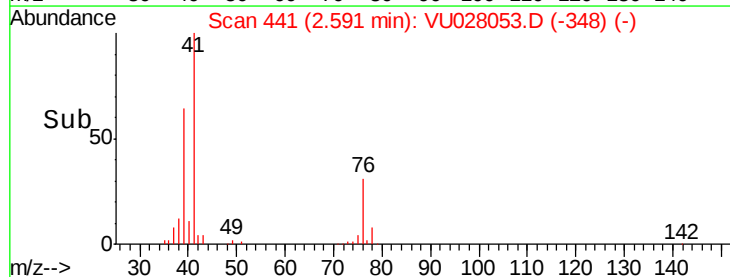
100000

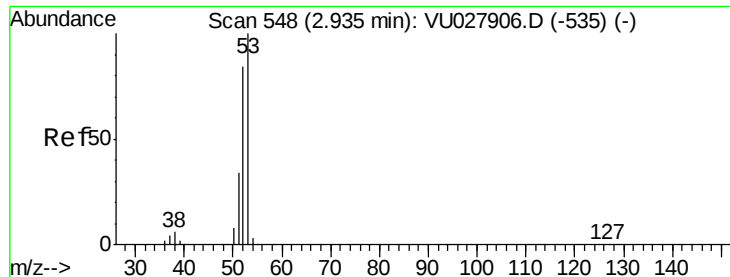
50000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 128.386 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

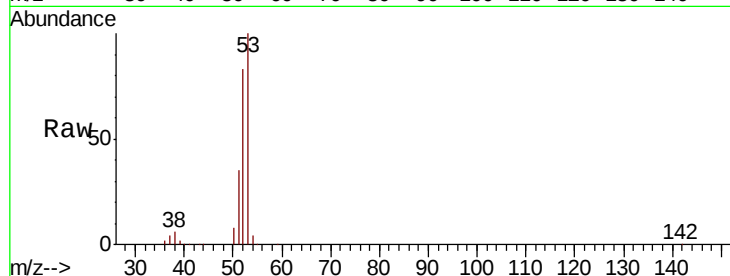
Tot Ion: 53 Resp: 466010

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 34.7 27.0 40.4



Abundance Ion 53.00 (52.70 to 53.70): VU027906.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027906.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027906.D (-535) (-)

2.94

250000

200000

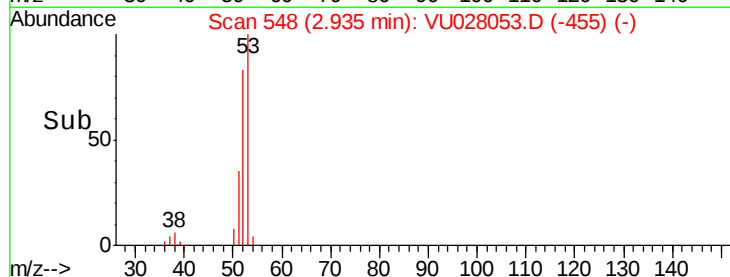
150000

100000

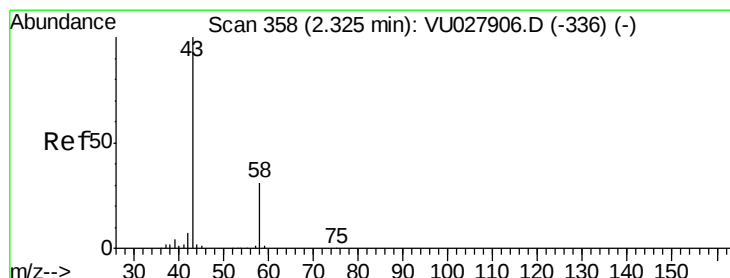
50000

0

Time-->



Time-->



#16

Acetone

Concen: 130.868 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028053.D

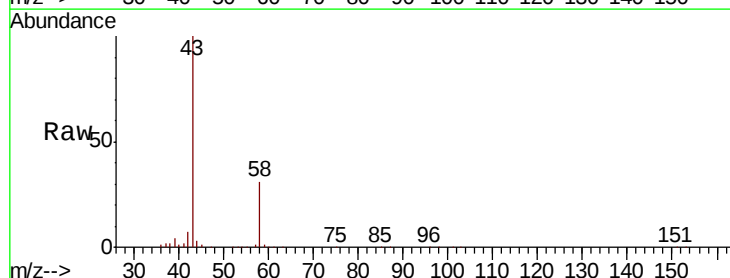
Acq: 09 Nov 2018 18:34

Tgt Ion: 43 Resp: 453206

Ion Ratio Lower Upper

43 100

58 31.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32

300000

250000

200000

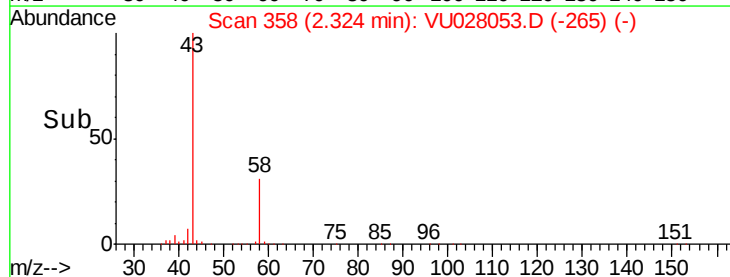
150000

100000

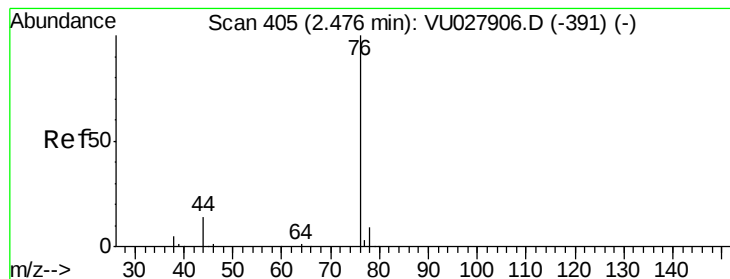
50000

0

Time-->



Time-->



#17

Carbon Disulfide

Concen: 23.347 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

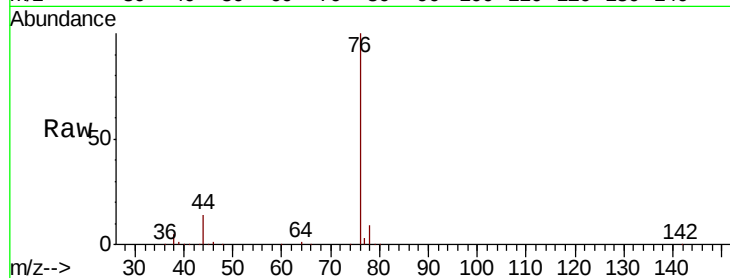
VSTDCCC050EC

Tot Ion: 76 Resp: 300262

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU028053.D (-312) (-)

2.48

200000

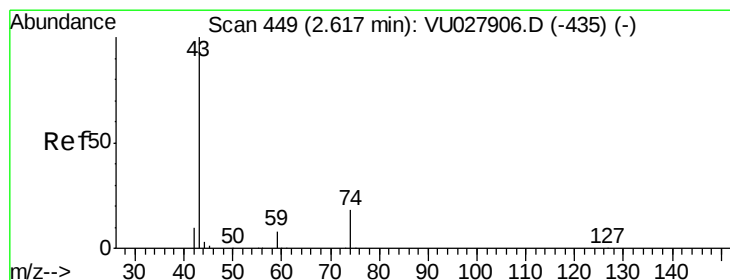
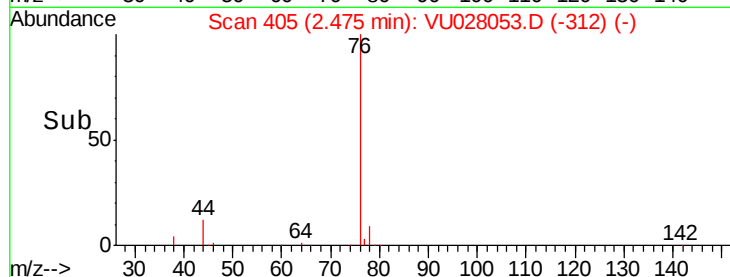
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.977 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028053.D

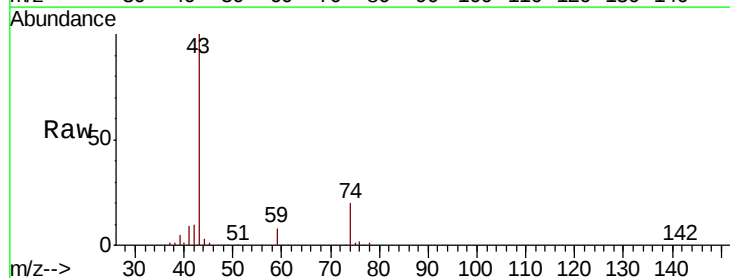
Acq: 09 Nov 2018 18:34

Tgt Ion: 43 Resp: 237940

Ion Ratio Lower Upper

43 100

74 19.7 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028053.D (-356) (-)

2.62

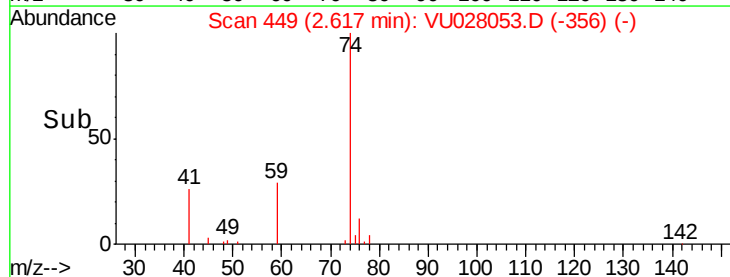
150000

100000

50000

0

Time-->

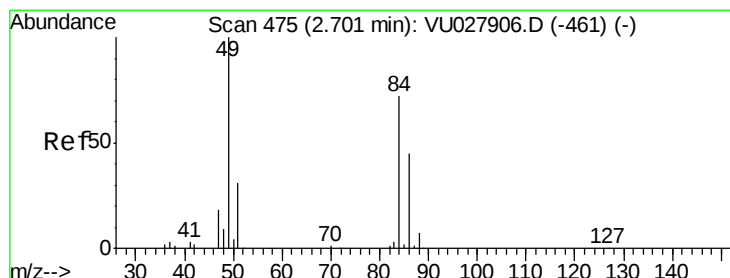
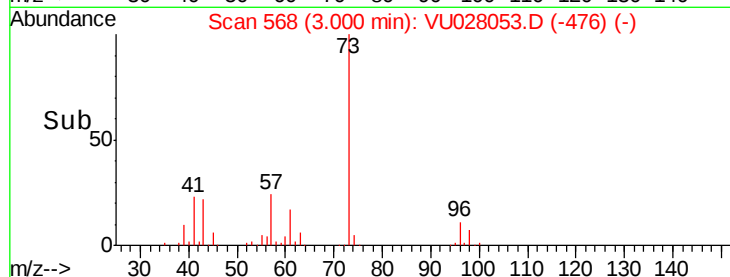
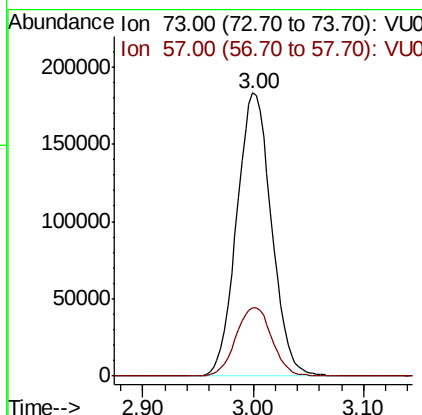
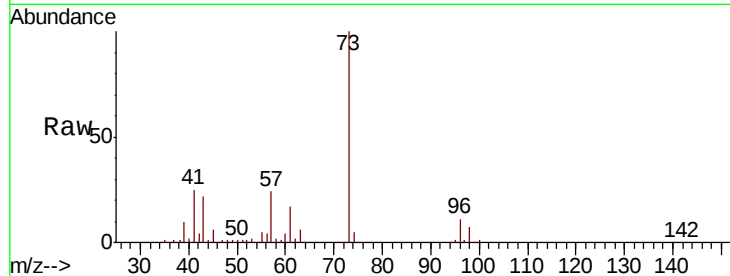




#19
Methyl tert-butyl Ether
Concen: 25.215 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

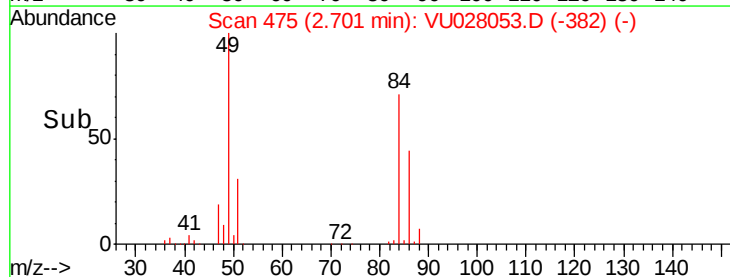
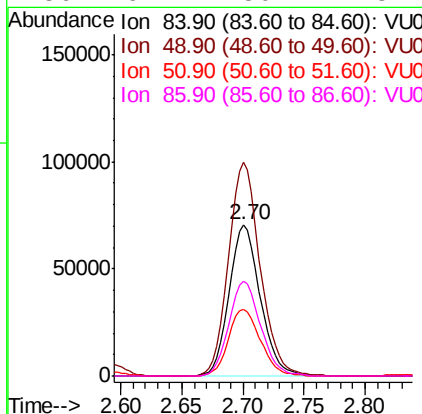
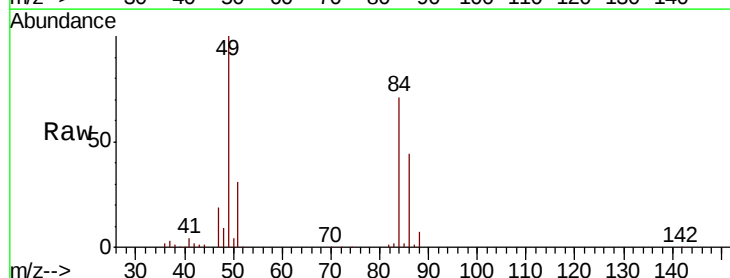
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

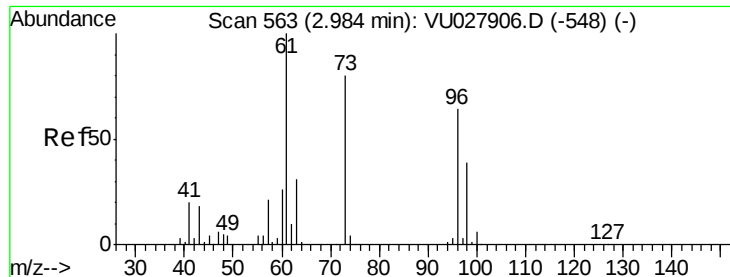
Tot Ion: 73 Resp: 400101
Ion Ratio Lower Upper
73 100
57 23.9 19.3 28.9



#20
Methylene Chloride
Concen: 24.865 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 84 Resp: 125726
Ion Ratio Lower Upper
84 100
49 141.1 111.6 167.4
51 44.2 34.8 52.2
86 62.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 23.944 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

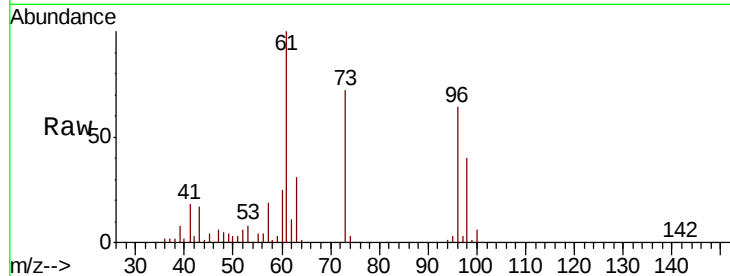
Tot Ion: 96 Resp: 108727

Ion Ratio Lower Upper

96 100

61 157.1 125.0 187.6

98 63.1 48.2 72.4

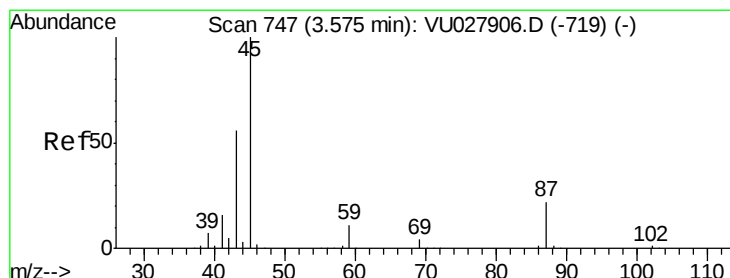
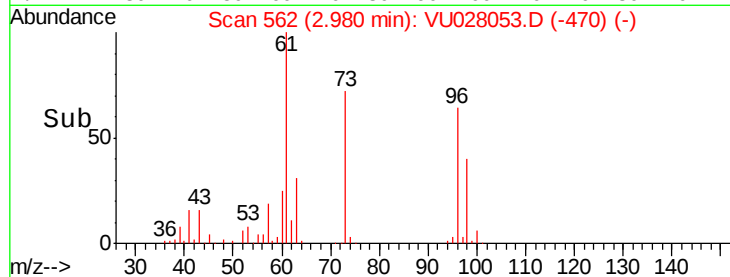
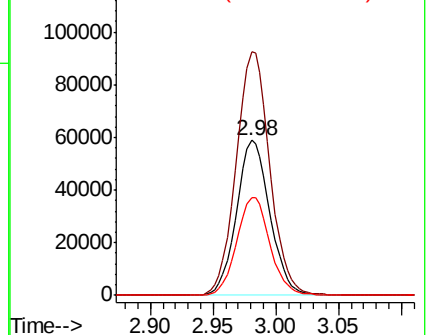


Abundance

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: 25.327 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion: 45 Resp: 502839

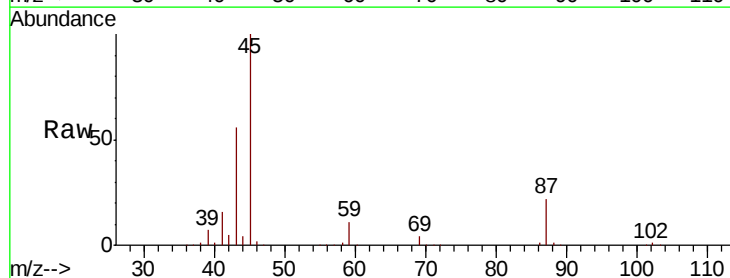
Ion Ratio Lower Upper

45 100

43 55.7 45.0 67.6

87 22.0 17.9 26.9

59 10.8 8.6 12.8



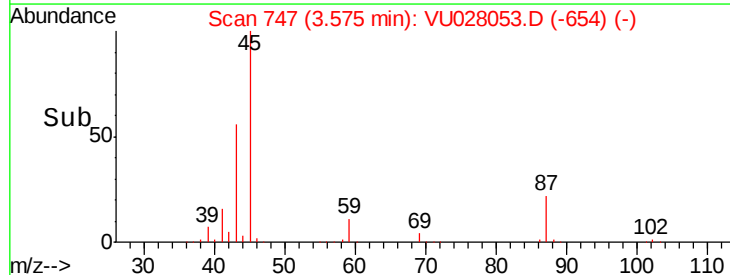
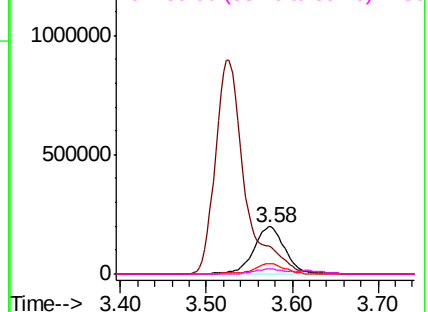
Abundance

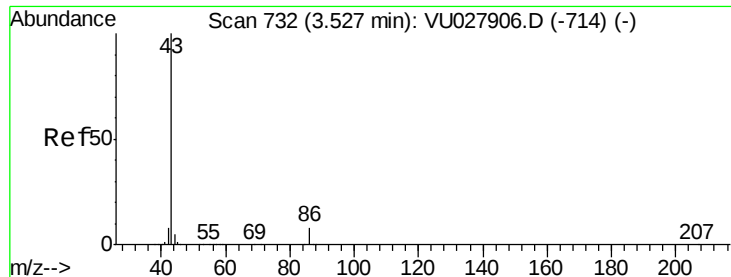
Ion 45.00 (44.70 to 45.70): VU0

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: 125.675 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

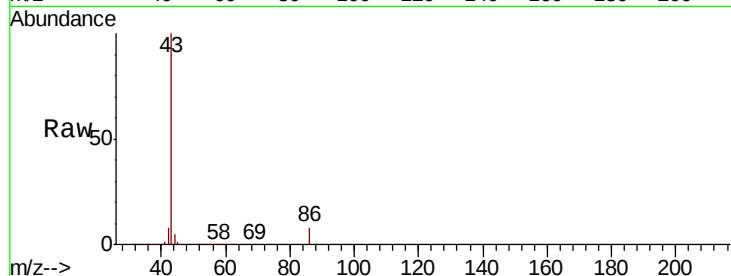
VSTDCCC050EC

Tot Ion: 43 Resp: 2144366

Ion Ratio Lower Upper

43 100

86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028053.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028053.D (-639) (-)

3.53

800000

600000

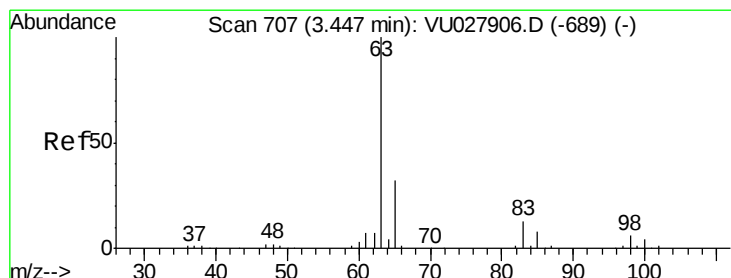
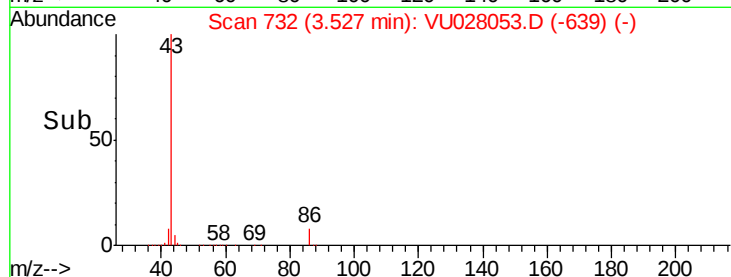
400000

200000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 24.500 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

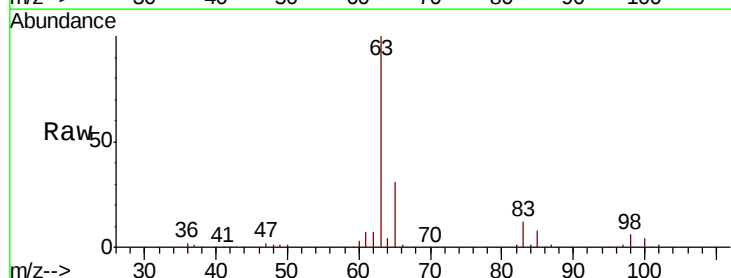
Tgt Ion: 63 Resp: 242283

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028053.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028053.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028053.D (-614) (-)

150000

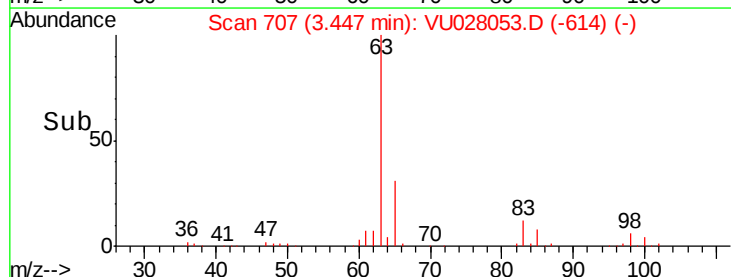
100000

50000

0

Time-->

3.40 3.50 3.60





#25

2-Butanone

Concen: 128.068 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

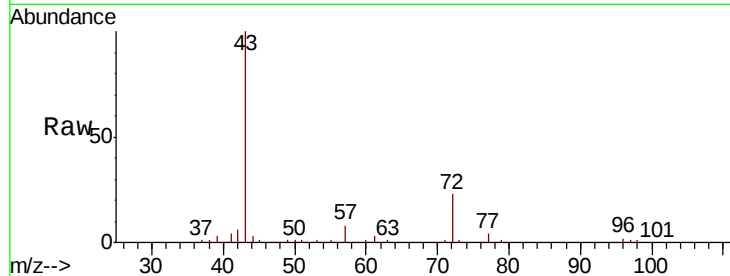
VSTDCCC050EC

Tot Ion: 43 Resp: 705587

Ion Ratio Lower Upper

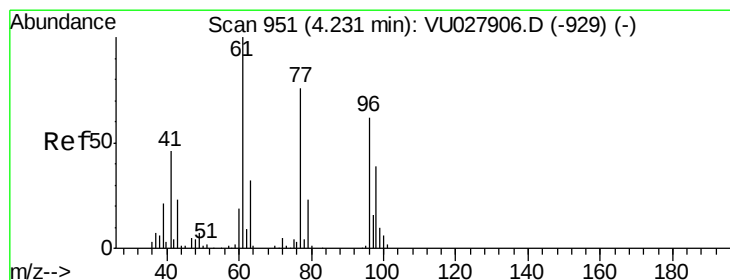
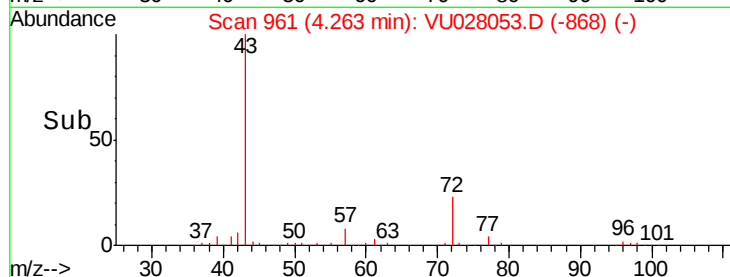
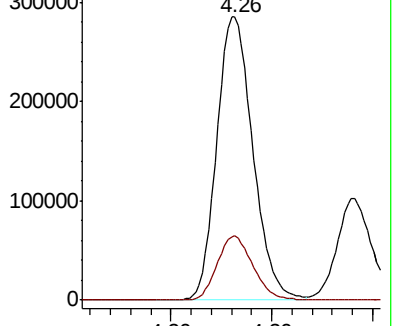
43 100

72 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 24.203 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028053.D

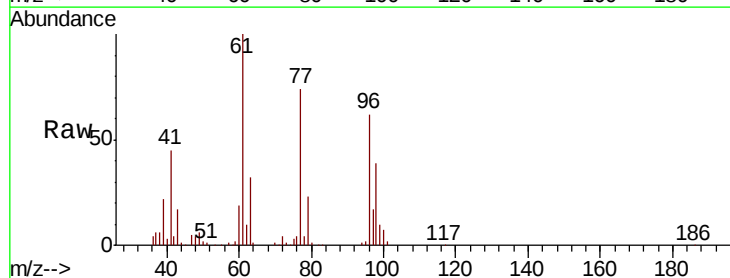
Acq: 09 Nov 2018 18:34

Tgt Ion: 77 Resp: 179618

Ion Ratio Lower Upper

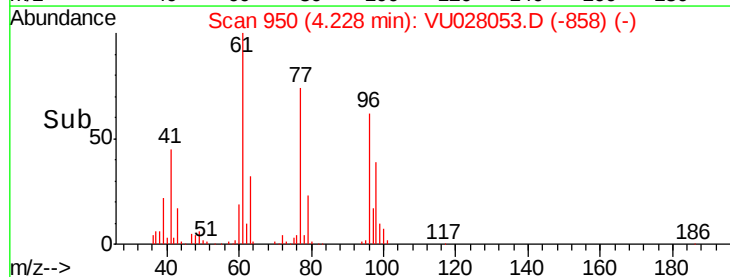
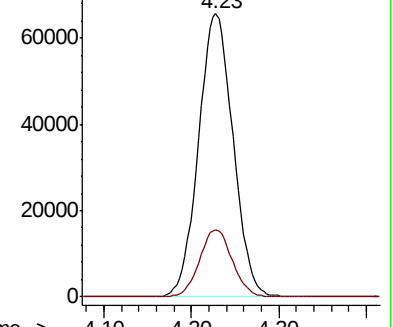
77 100

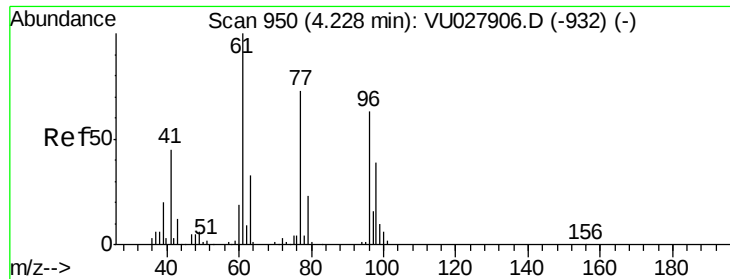
97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

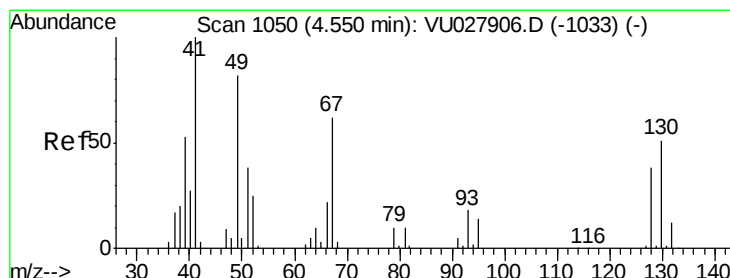
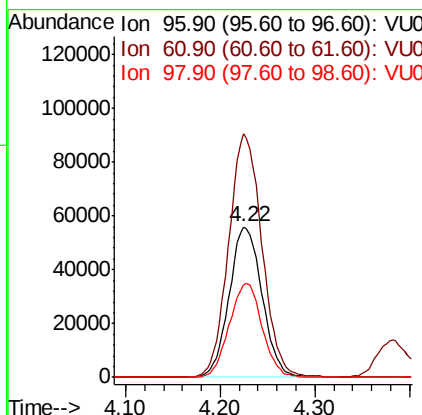
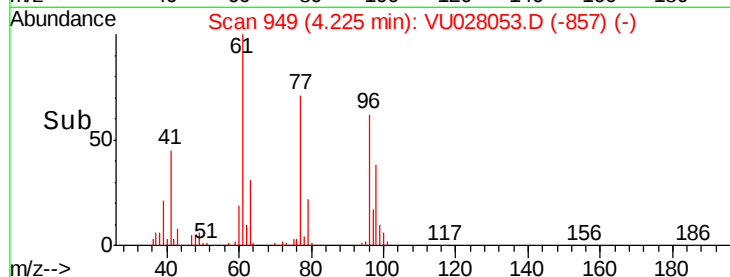
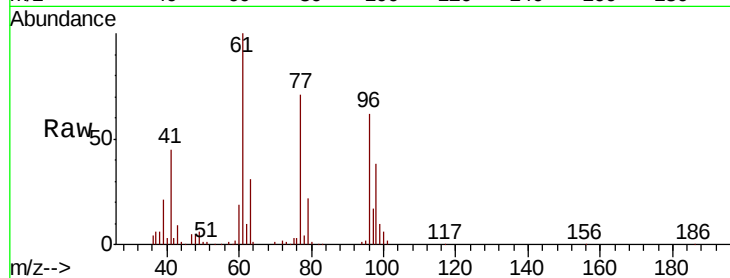




#27
 cis-1,2-Dichloroethene
 Concen: 26.555 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

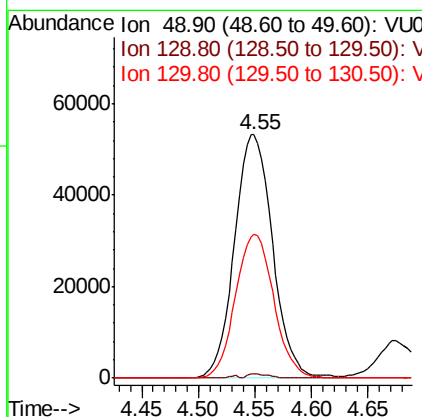
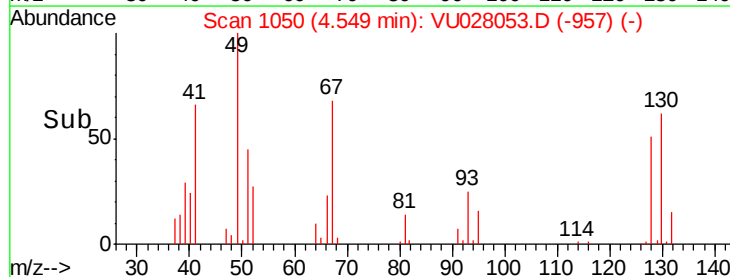
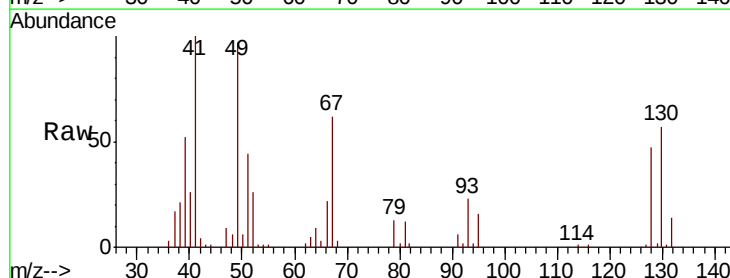
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

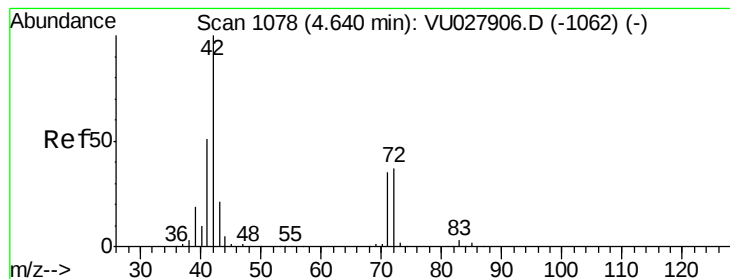
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	329.6
98	62.3	0.0	127.2



#28
 Bromochloromethane
 Concen: 26.977 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	59.3	47.8	71.6





#29

Tetrahydrofuran

Concen: 120.475 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

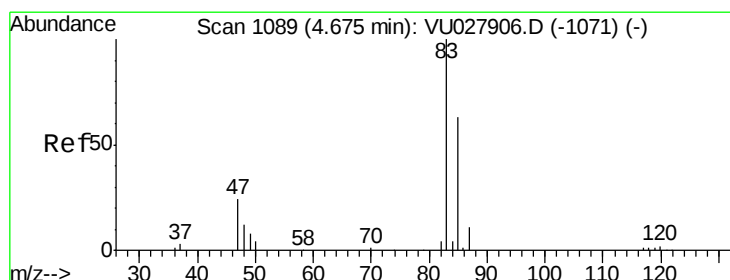
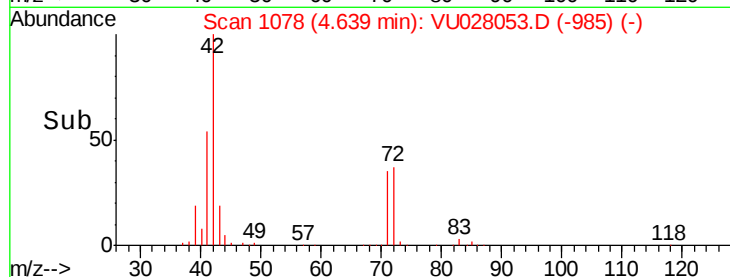
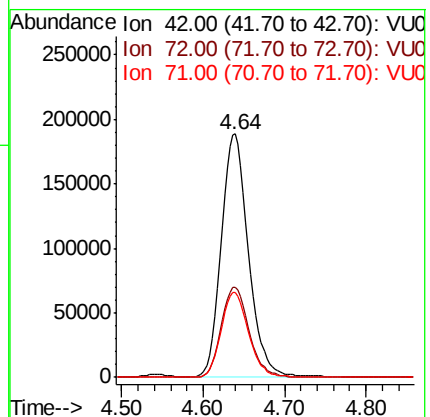
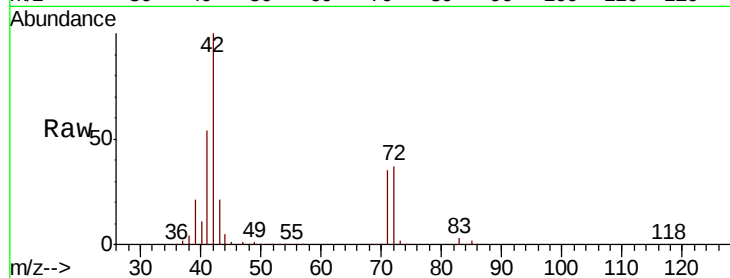
Tot Ion: 42 Resp: 443213

Ion Ratio Lower Upper

42 100

72 37.9 29.4 44.0

71 35.4 27.9 41.9



#30

Chloroform

Concen: 24.473 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028053.D

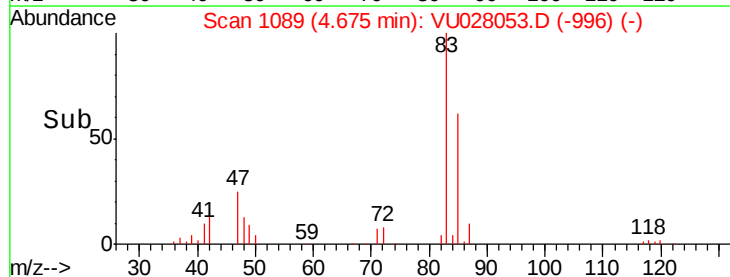
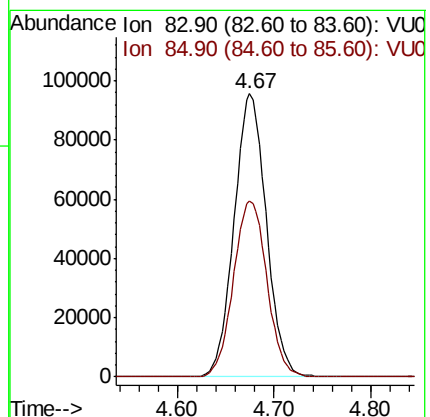
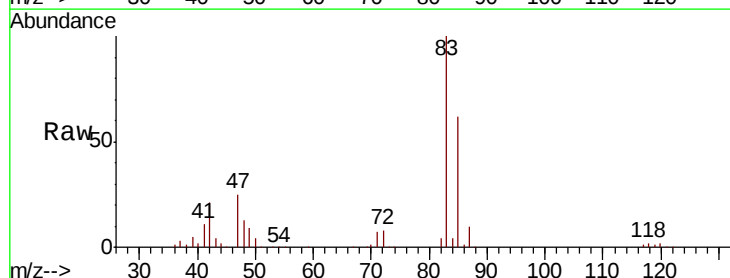
Acq: 09 Nov 2018 18:34

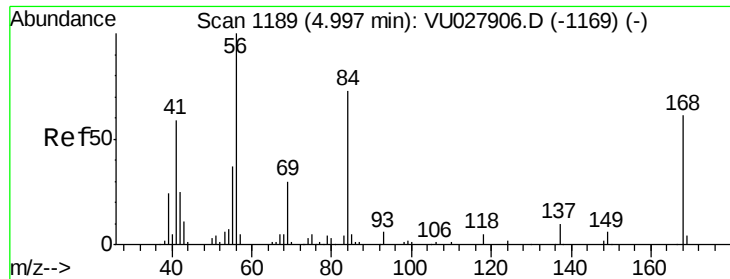
Tgt Ion: 83 Resp: 221907

Ion Ratio Lower Upper

83 100

85 62.3 50.6 76.0

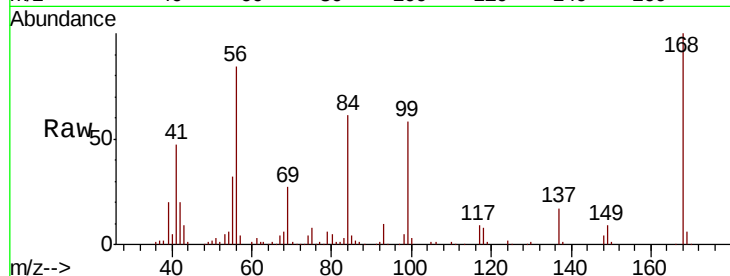




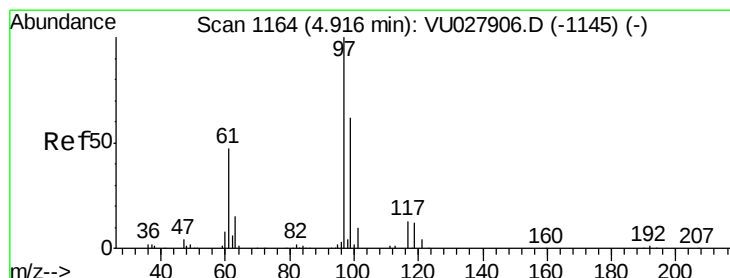
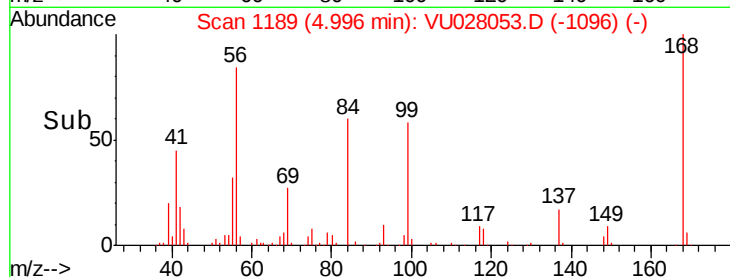
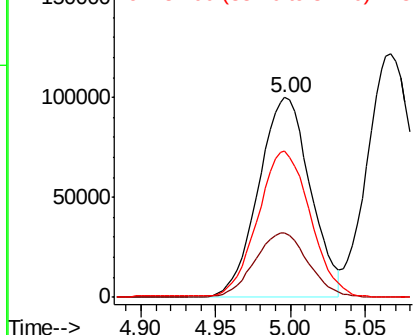
#31
Cyclohexane
Concen: 23.963 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 241090
Ion Ratio Lower Upper
56 100
69 32.0 23.7 35.5
84 72.3 58.2 87.4

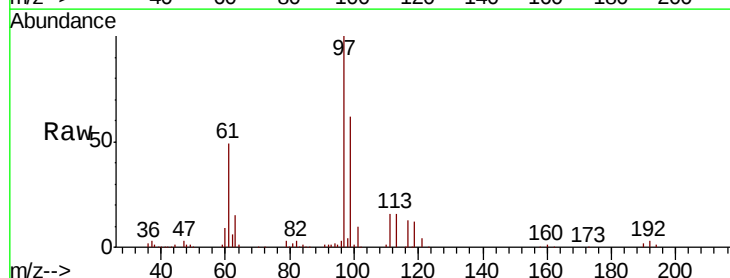


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

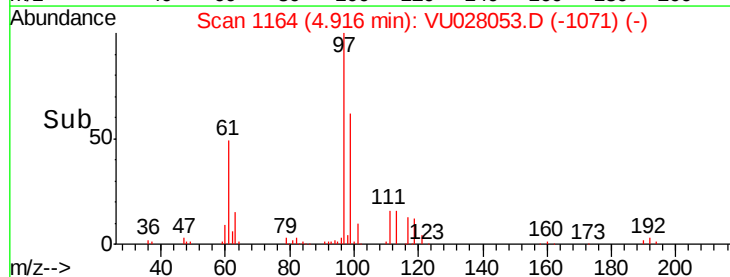
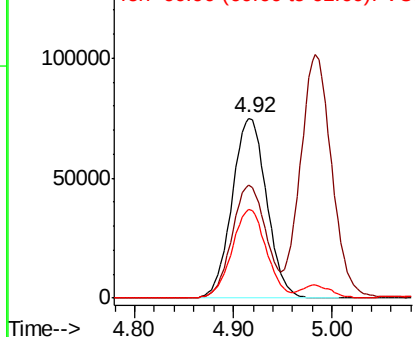


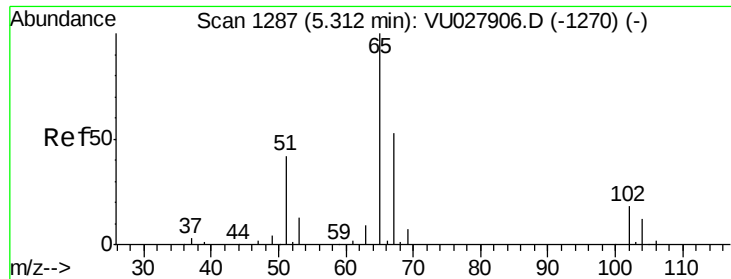
#32
1,1,1-Trichloroethane
Concen: 25.296 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 97 Resp: 182585
Ion Ratio Lower Upper
97 100
99 62.2 50.5 75.7
61 49.0 38.3 57.5



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

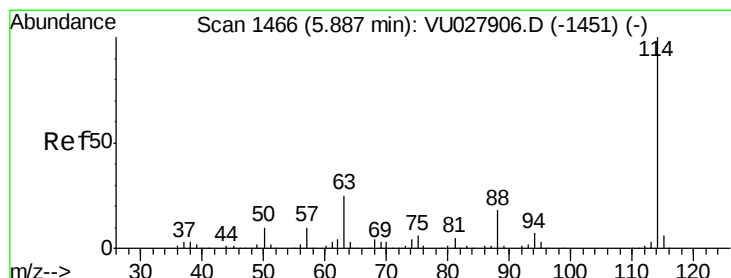
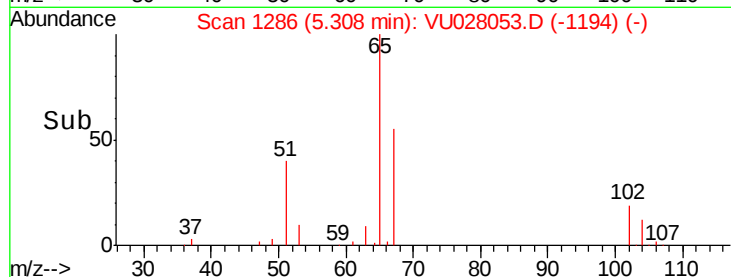
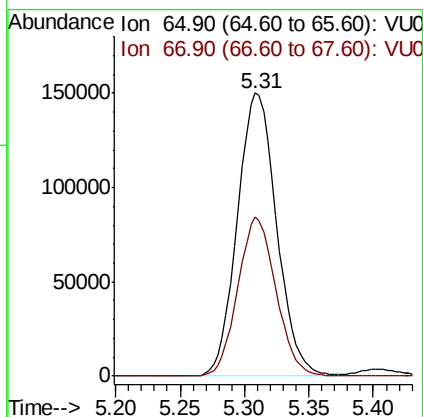
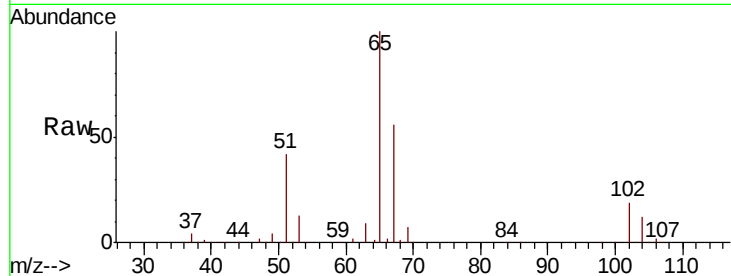




#33
 1,2-Dichloroethane-d4
 Concen: 57.068 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

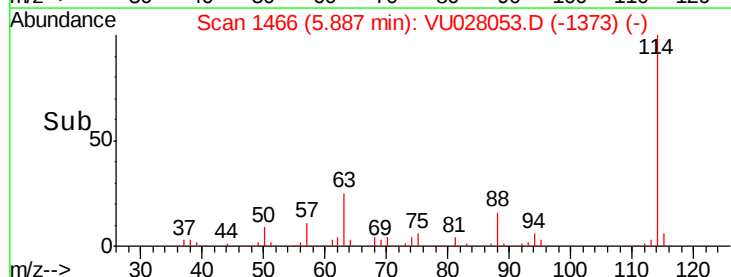
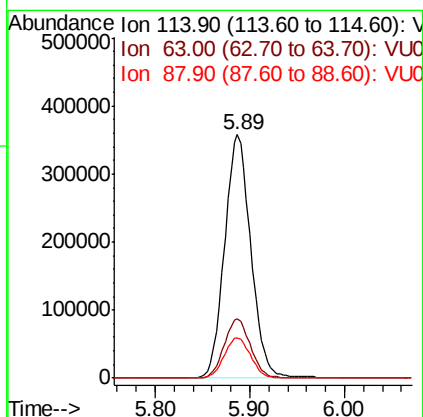
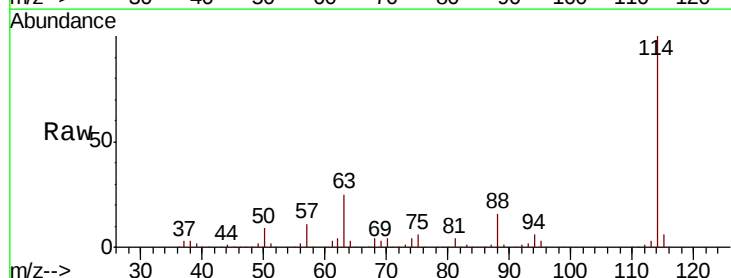
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

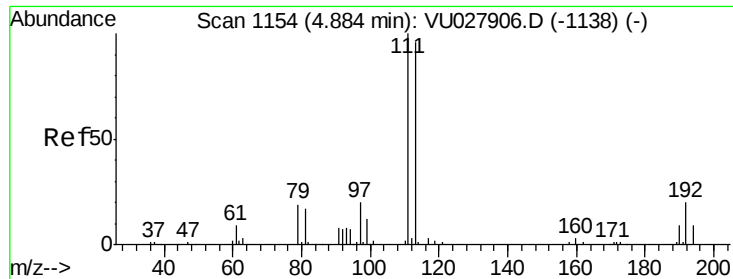
Tot Ion: 65 Resp: 318537
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 114 Resp: 689363
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 16.4 0.0 35.8

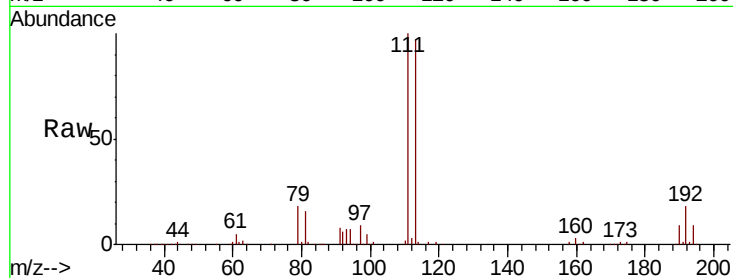




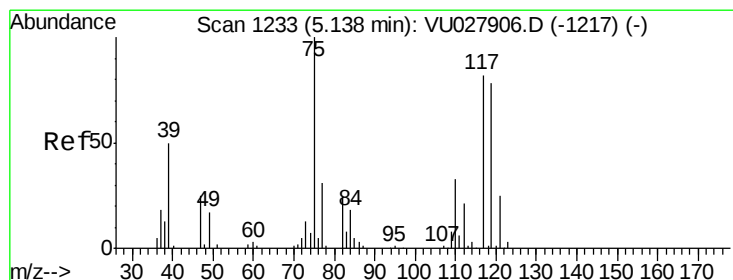
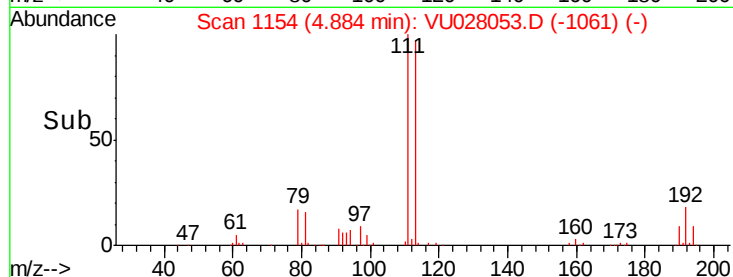
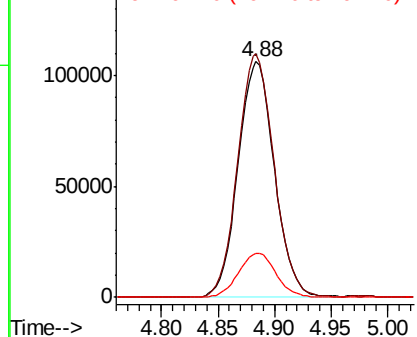
#35
Dibromofluoromethane
Concen: 54.785 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 238125
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.6
192 19.2 15.6 23.4

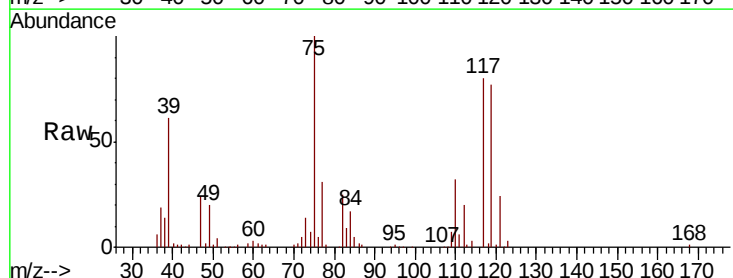


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

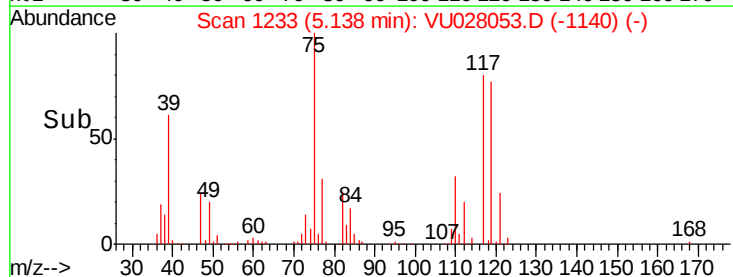
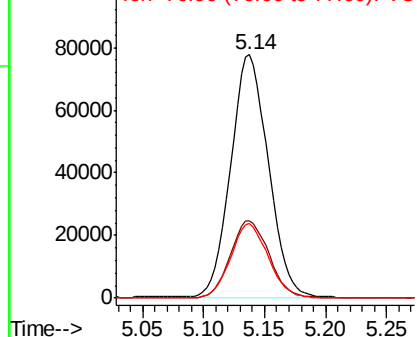


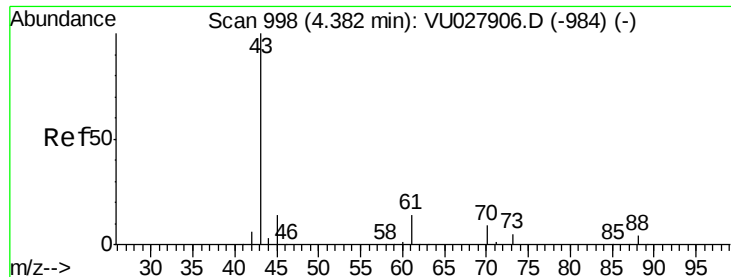
#36
1,1-Dichloropropene
Concen: 23.025 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 75 Resp: 166238
Ion Ratio Lower Upper
75 100
110 33.0 16.5 49.5
77 30.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 23.408 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

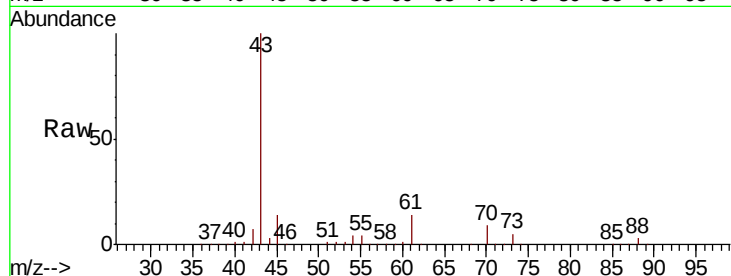
Tot Ion: 43 Resp: 247627

Ion Ratio Lower Upper

43 100

61 13.2 10.3 15.5

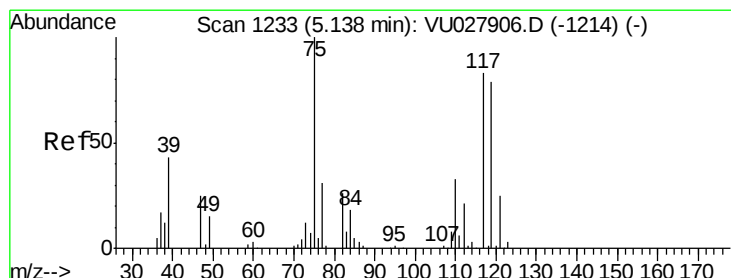
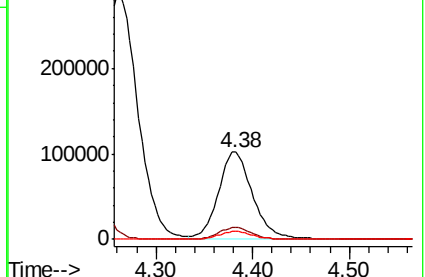
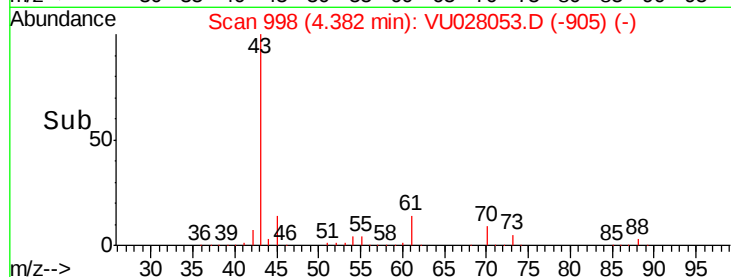
70 9.0 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU028053.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU028053.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU028053.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 22.735 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

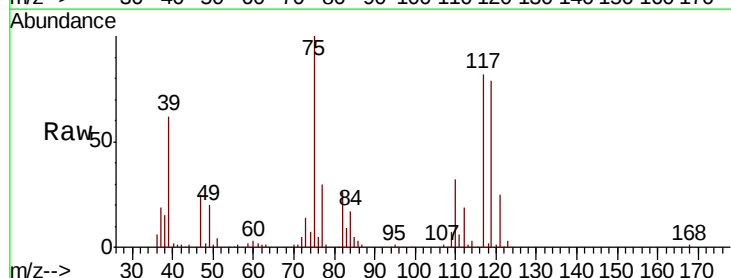
Tgt Ion: 117 Resp: 145467

Ion Ratio Lower Upper

117 100

119 96.5 76.0 114.0

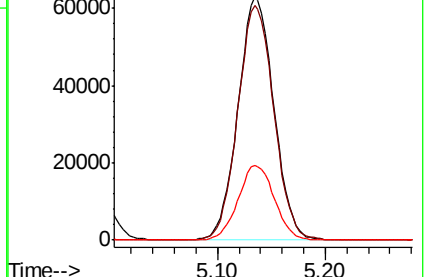
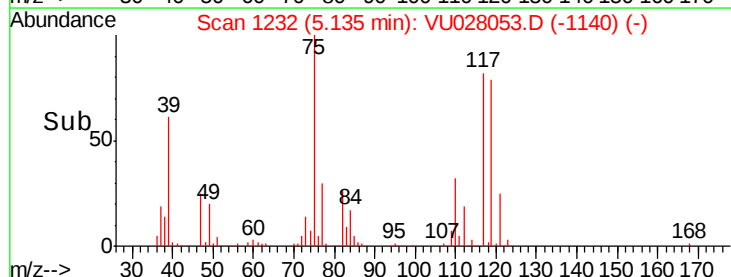
121 30.7 24.5 36.7

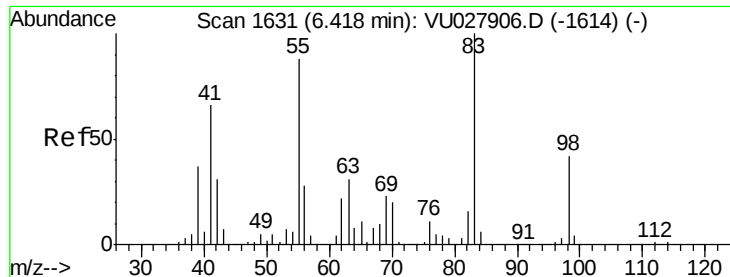


Abundance Ion 116.80 (116.50 to 117.50): VU028053.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028053.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028053.D (-1140) (-)

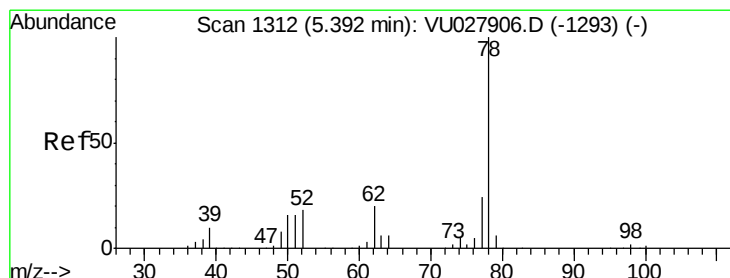
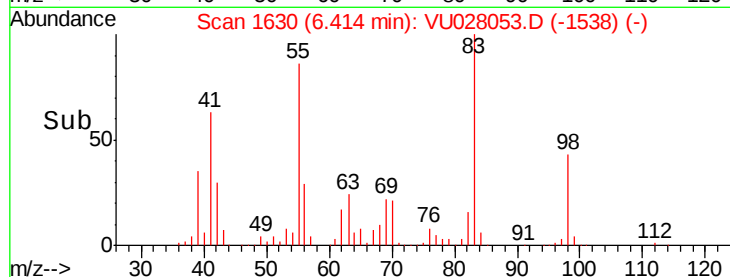
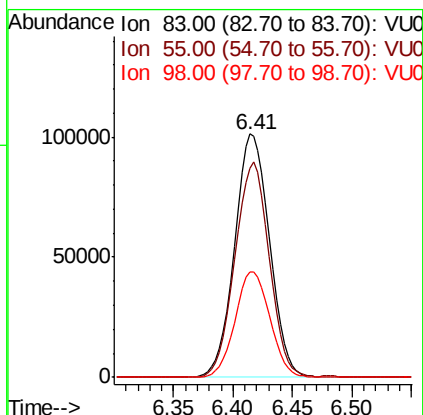
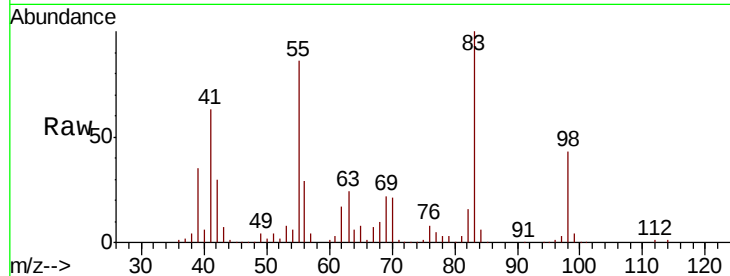




#39
Methvlcvclohexane
Concen: 23.681 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

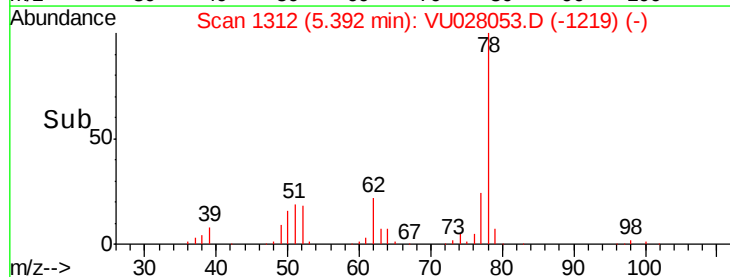
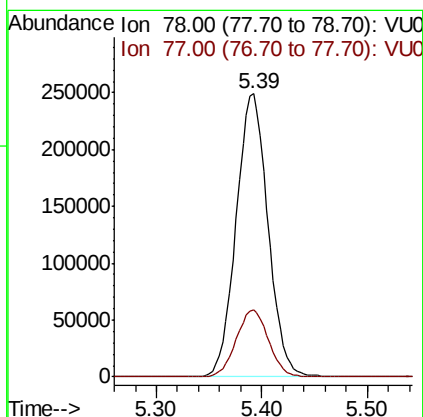
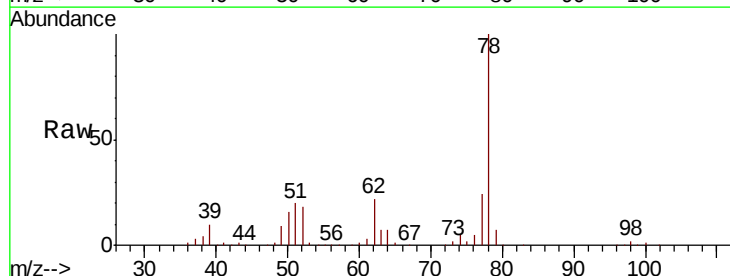
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

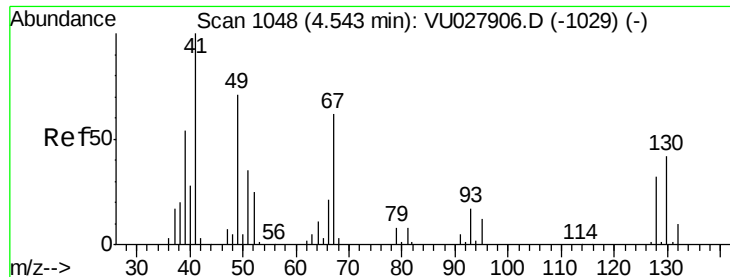
Tot Ion: 83 Resp: 206215
Ion Ratio Lower Upper
83 100
55 86.1 70.3 105.5
98 43.3 34.0 51.0



#40
Benzene
Concen: 23.642 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 78 Resp: 521869
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9

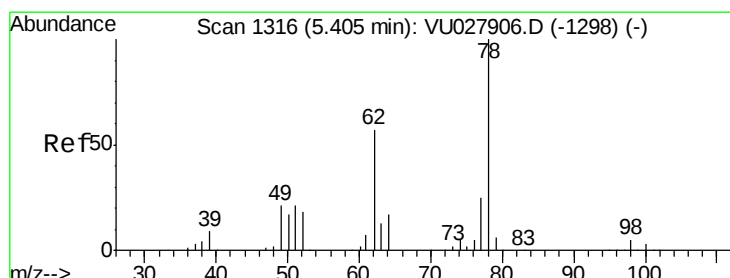
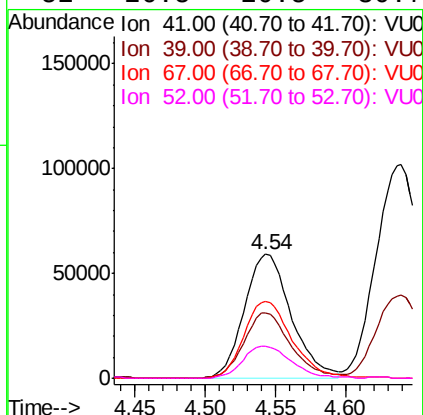
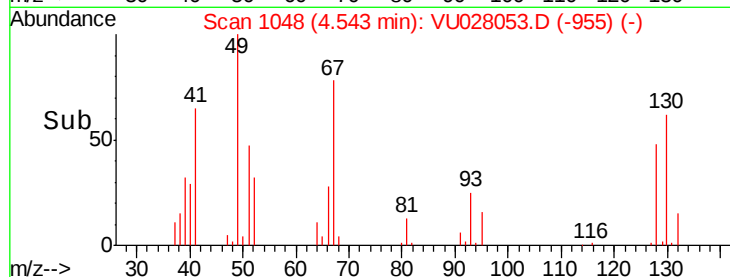
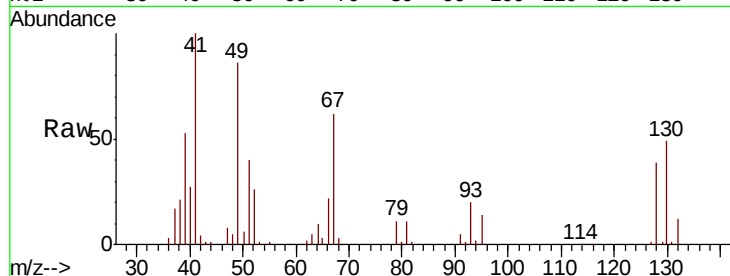




#41
Methacrylonitrile
Concen: 24.304 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

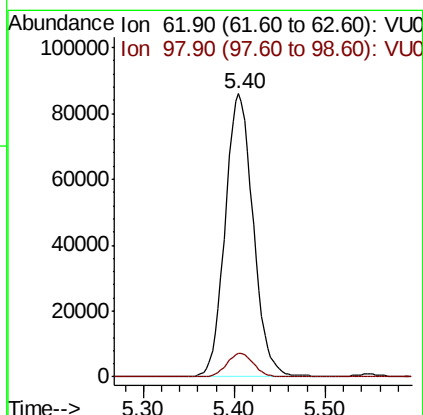
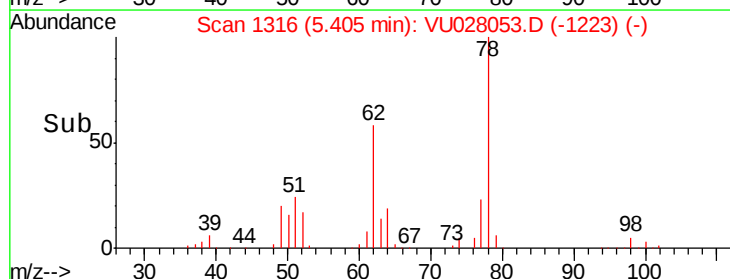
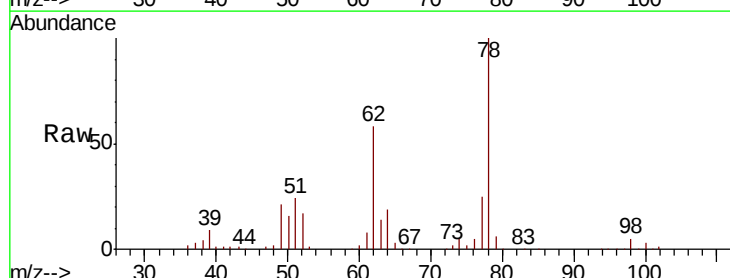
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

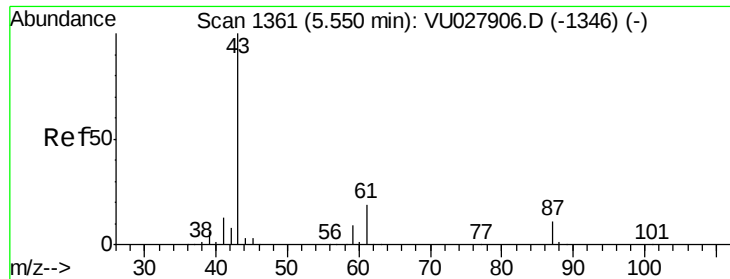
Tot Ion:	41	Resp:	137213
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.2	63.4
67	64.3	49.5	74.3
52	26.5	20.5	30.7



#42
1,2-Dichloroethane
Concen: 23.488 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:	62	Resp:	184295
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 23.457 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028053.D

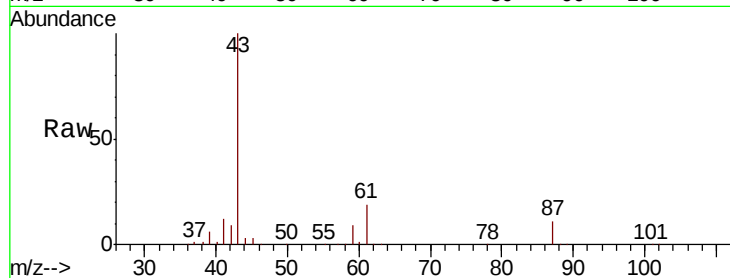
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 388769

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.0	22.4
87	11.0	8.6	12.8

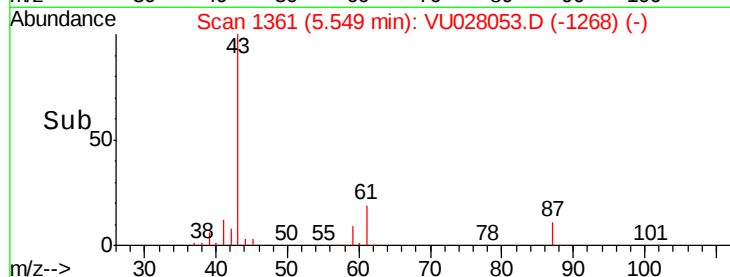


Abundance

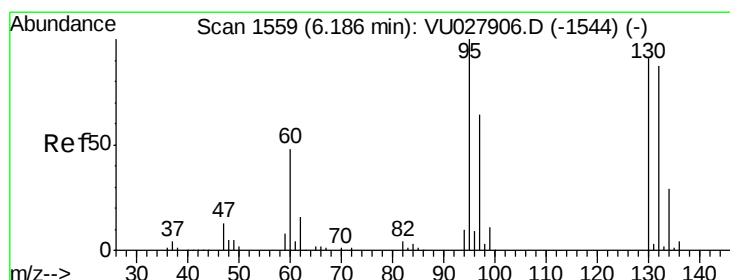
Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#44

Trichloroethene

Concen: 23.995 ug/l

RT: 6.19 min Scan# 1559

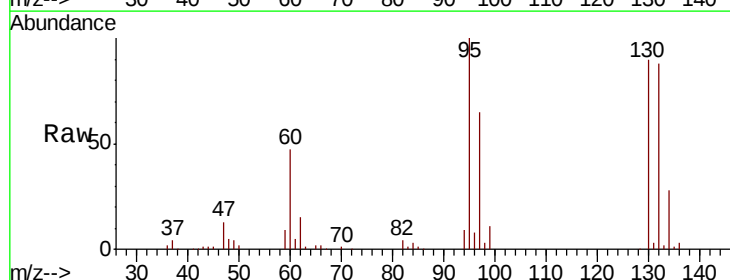
Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion:130 Resp: 113853

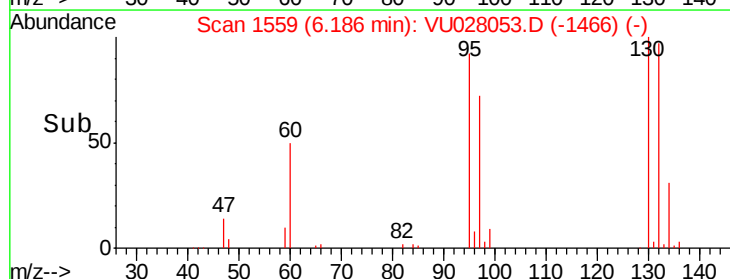
Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	219.2



Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



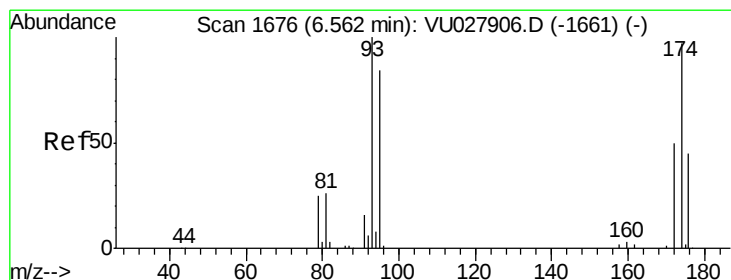
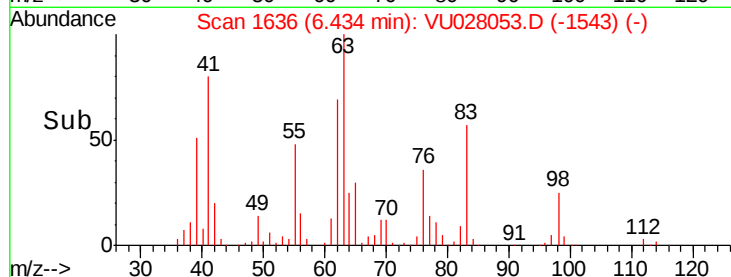
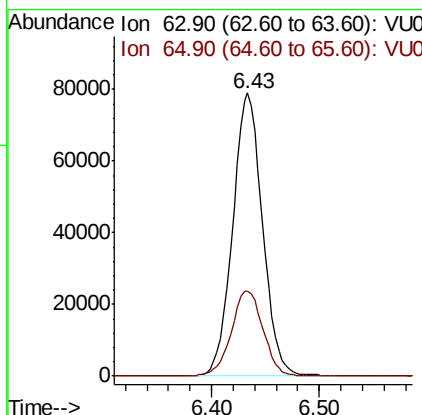
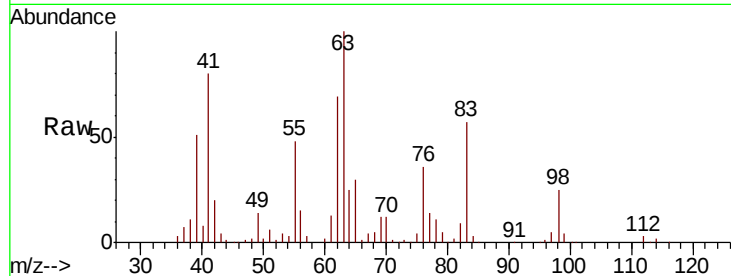
Time-->



#45
 1,2-Dichloropropane
 Concen: 23.882 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

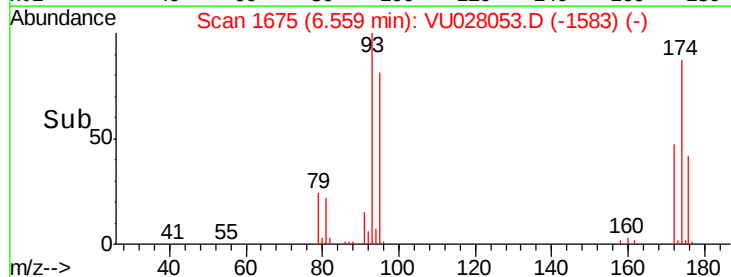
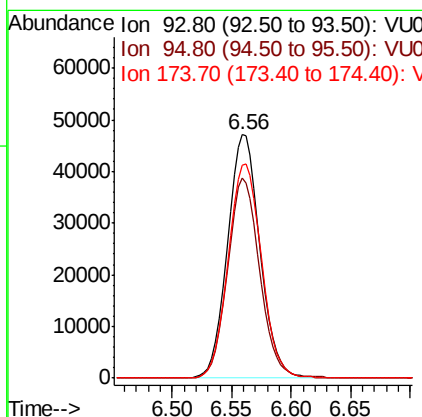
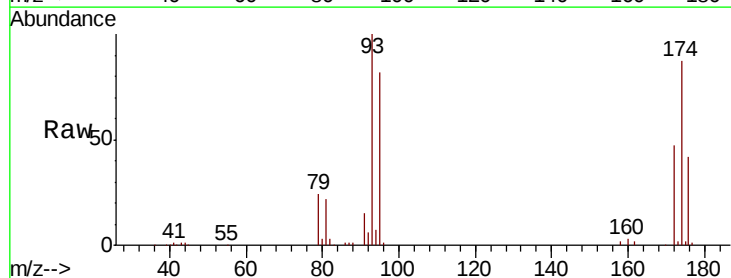
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

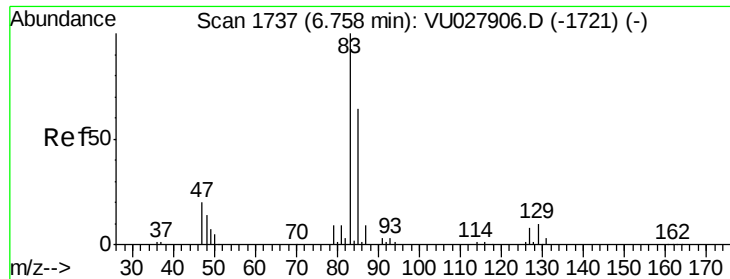
Tot Ion: 63 Resp: 152035
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6



#46
 Dibromomethane
 Concen: 24.284 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 93 Resp: 88860
 Ion Ratio Lower Upper
 93 100
 95 81.0 68.5 102.7
 174 90.2 76.1 114.1

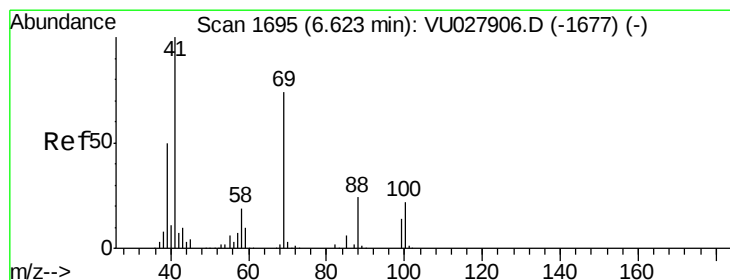
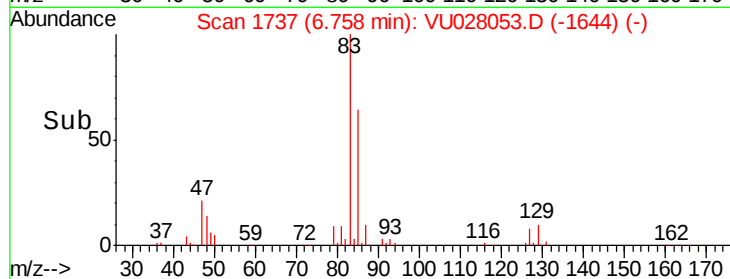
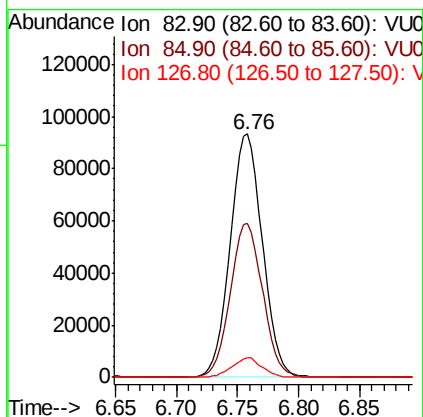
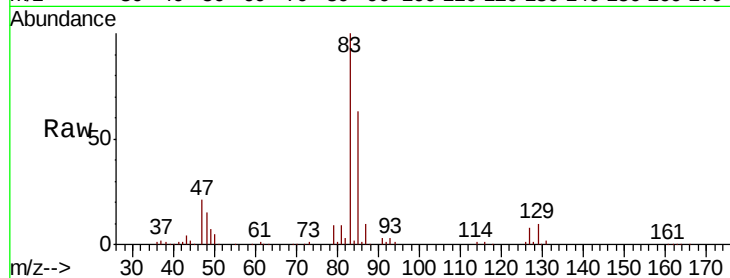




#47
 Bromodichloromethane
 Concen: 24.317 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

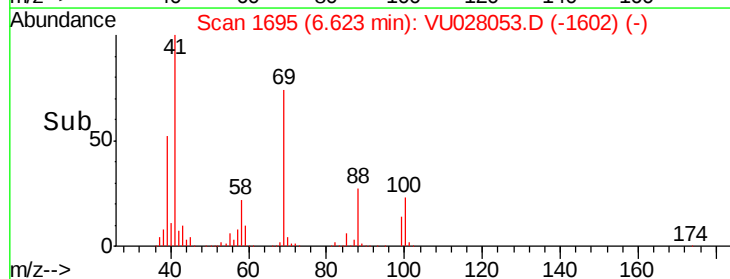
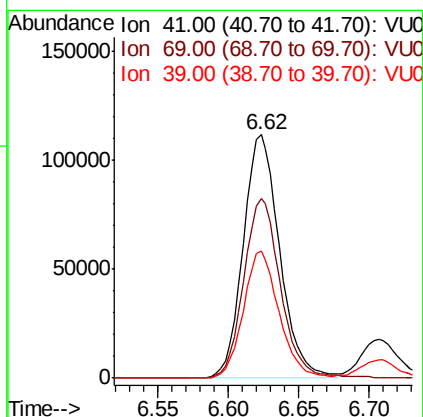
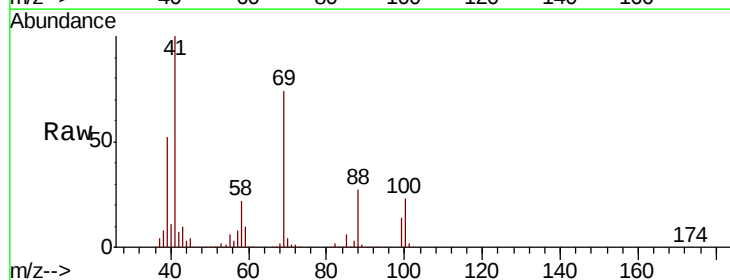
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 171479
 Ion Ratio Lower Upper
 83 100
 85 63.2 51.0 76.6
 127 8.1 6.2 9.4



#48
 Methyl methacrylate
 Concen: 24.961 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 41 Resp: 202728
 Ion Ratio Lower Upper
 41 100
 69 74.3 59.8 89.8
 39 50.7 40.0 60.0

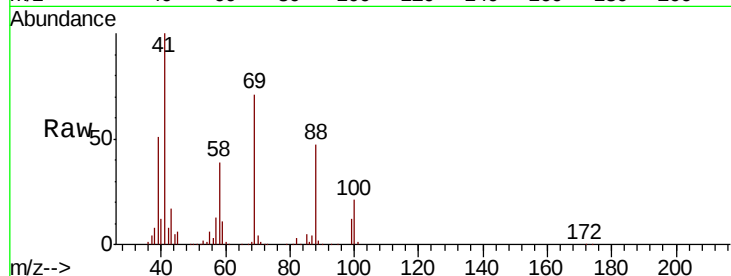




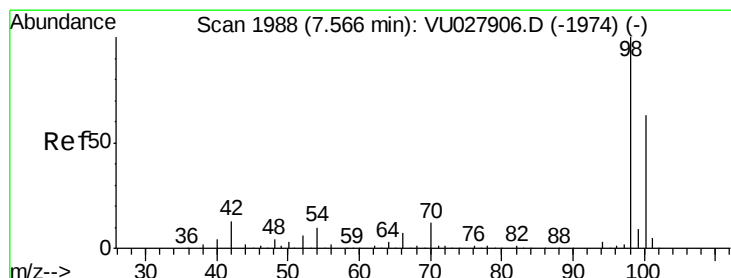
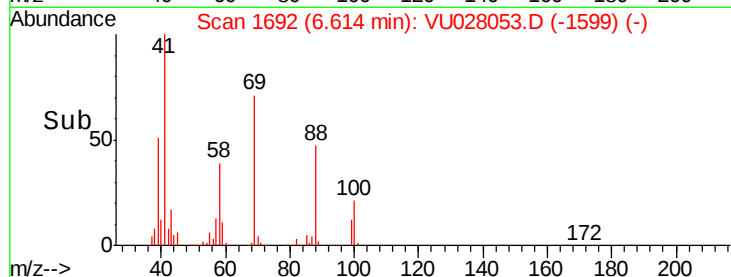
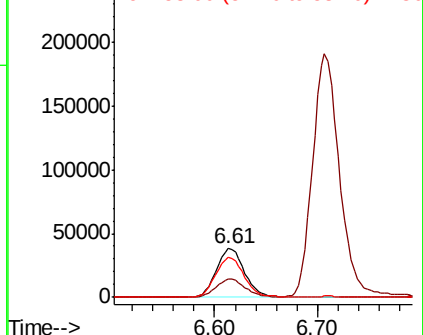
#49
1,4-Dioxane
Concen: 548.936 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 72739
Ion Ratio Lower Upper
88 100
43 37.6 30.5 45.7
58 83.5 67.1 100.7

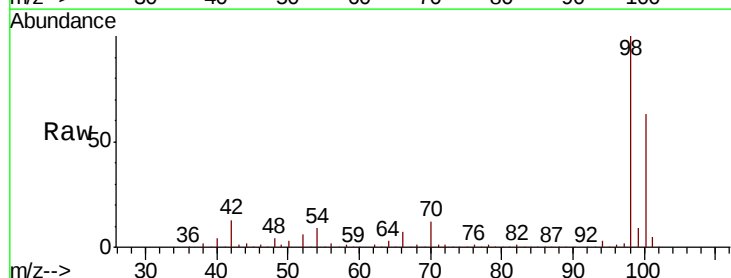


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

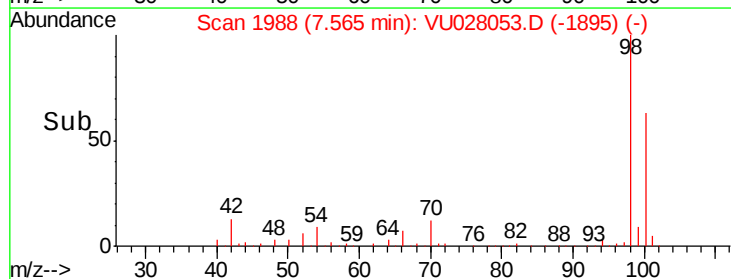
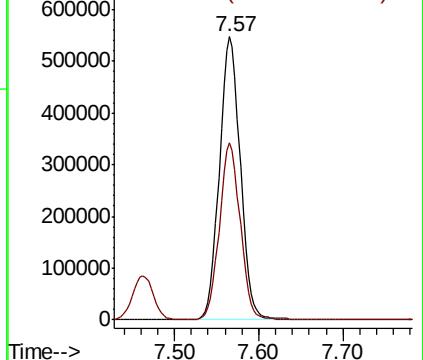


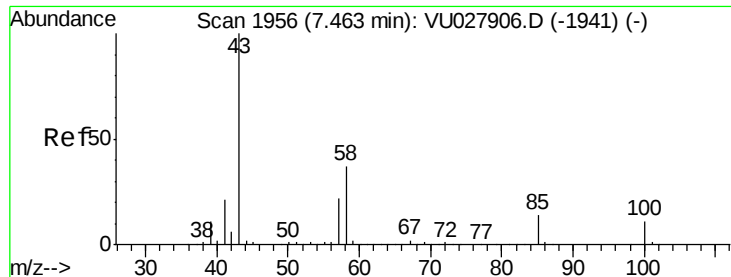
#50
Toluene-d8
Concen: 56.234 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 98 Resp: 944186
Ion Ratio Lower Upper
98 100
100 61.6 50.1 75.1



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





#51

4-Methyl-2-Pentanone

Concen: 118.821 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

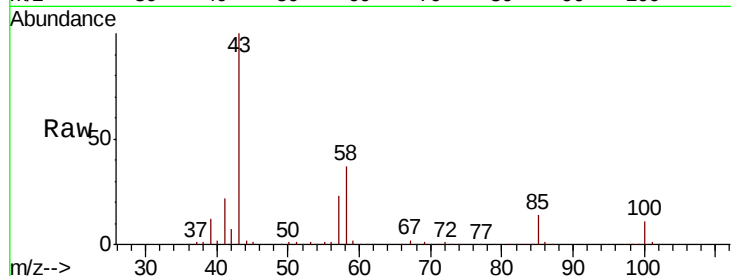
VSTDCCC050EC

Tot Ion: 43 Resp: 1315182

Ion Ratio Lower Upper

43 100

58 37.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

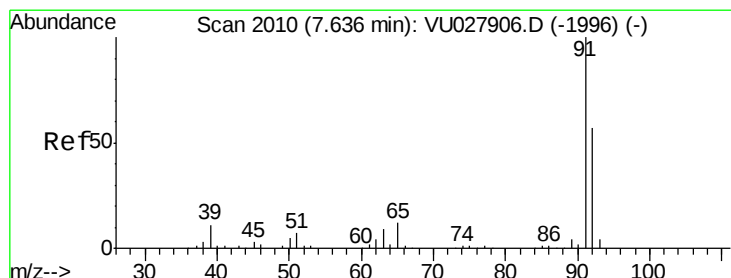
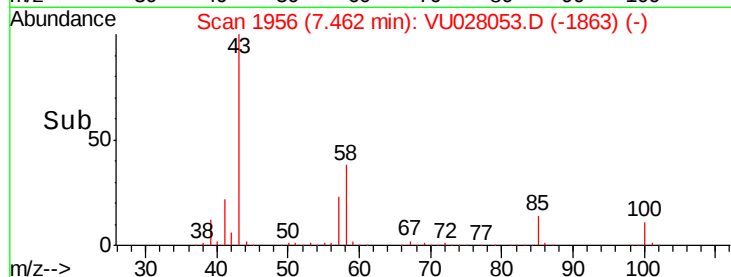
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 23.868 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028053.D

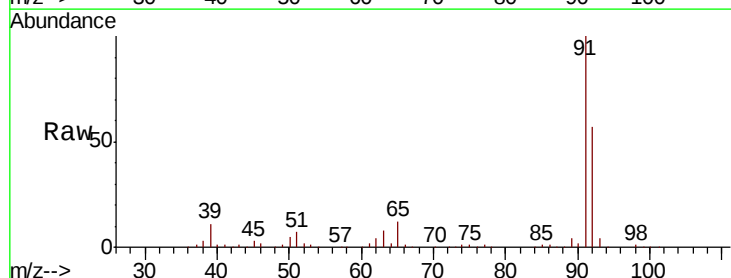
Acq: 09 Nov 2018 18:34

Tgt Ion: 92 Resp: 309738

Ion Ratio Lower Upper

92 100

91 174.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

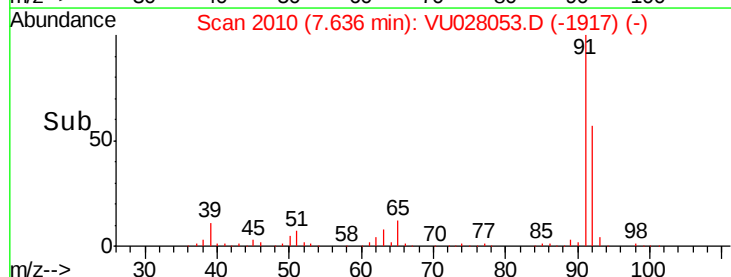
300000

200000

100000

0

Time-->

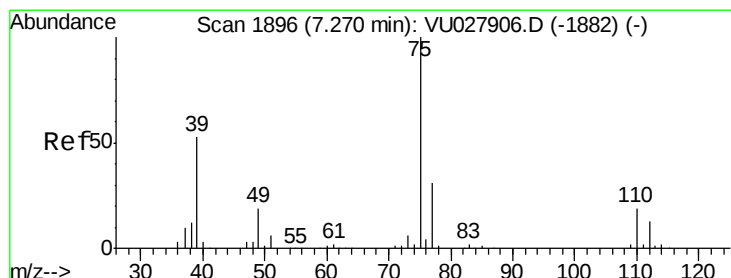
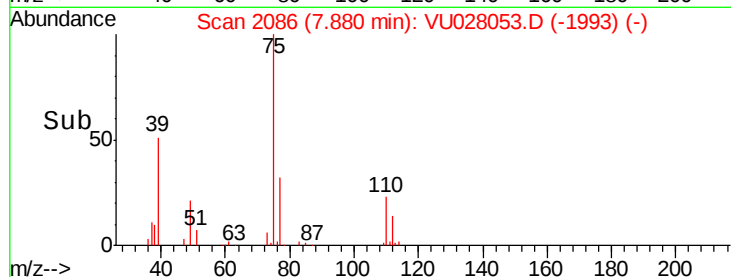
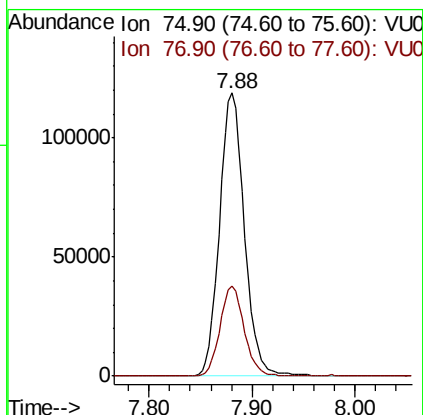
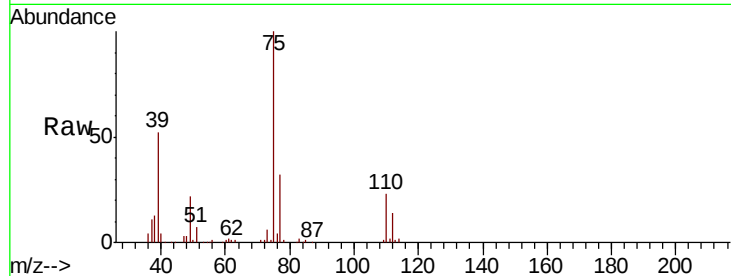




#53
t-1,3-Dichloropropene
Concen: 23.343 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

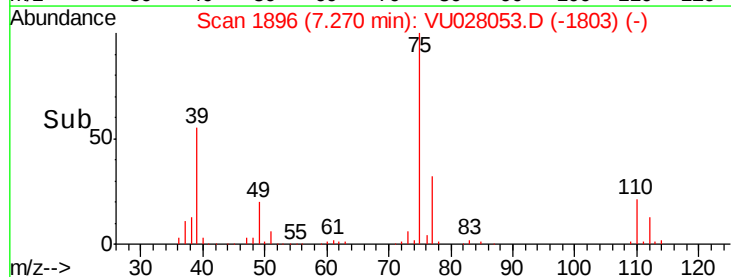
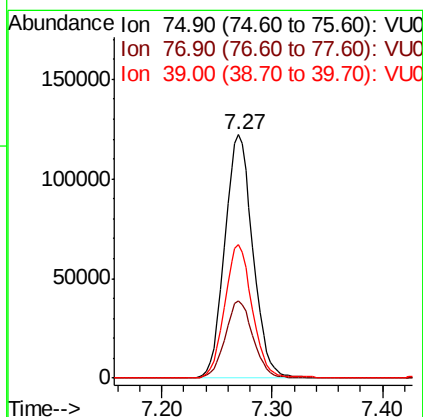
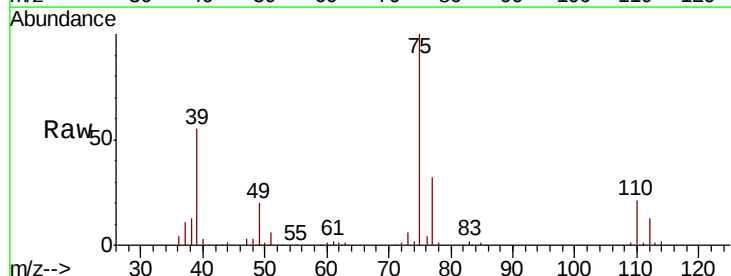
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

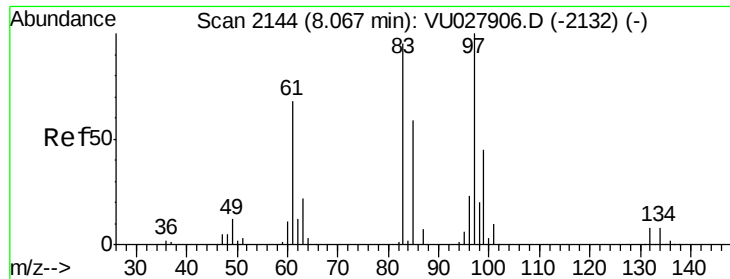
Tot Ion: 75 Resp: 198796
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 24.759 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 75 Resp: 215237
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0
39 54.9 42.6 64.0

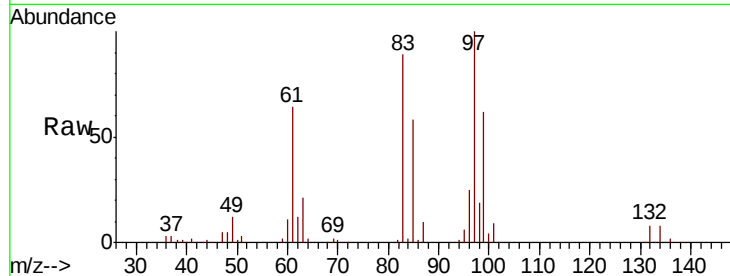




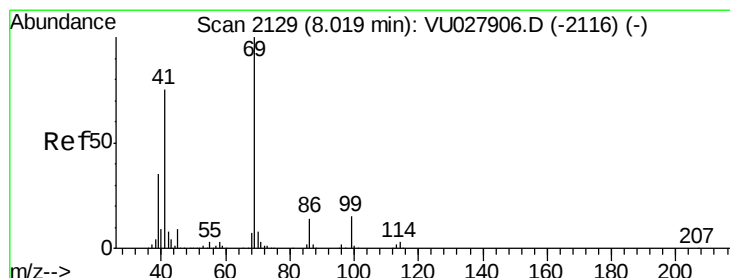
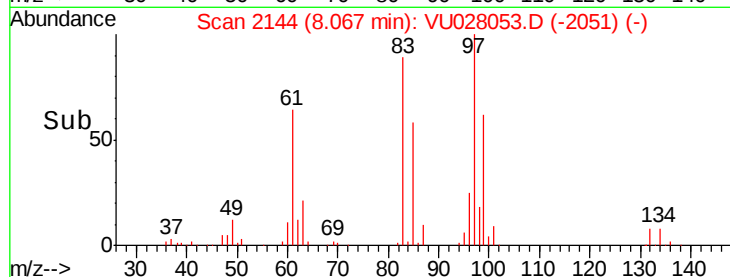
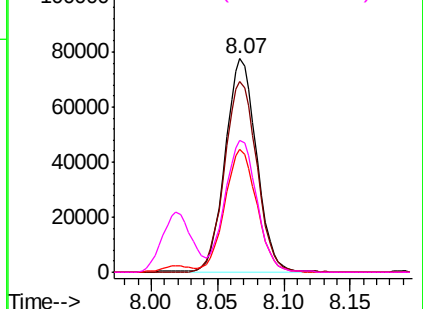
#55
 1,1,2-Trichloroethane
 Concen: 24.181 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	127669
Ion	Ratio	Lower	Upper
97	100		
83	89.1	76.1	114.1
85	57.5	48.9	73.3
99	61.7	52.0	78.0

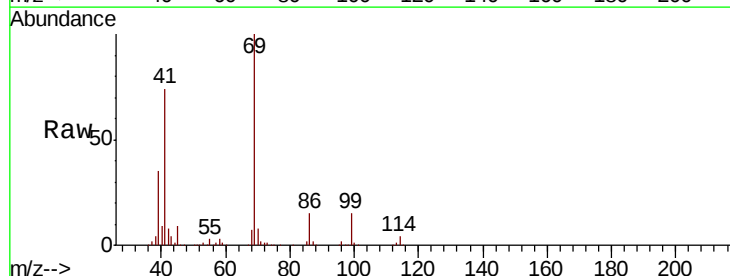


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

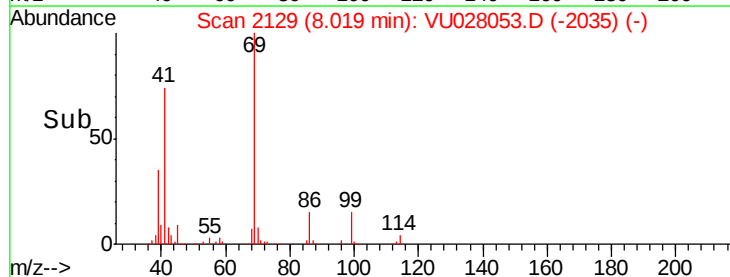
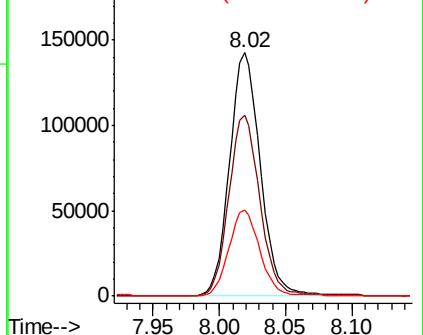


#56
 Ethyl methacrylate
 Concen: 24.762 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion:	69	Resp:	230550
Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.8	89.6
39	35.3	28.6	42.8



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





#57

1,3-Dichloropropane

Concen: 24.104 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

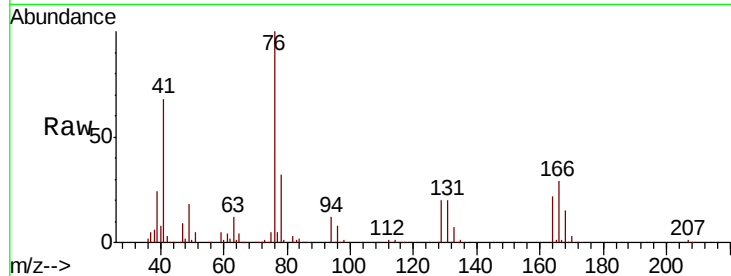
VSTDCCC050EC

Tot Ion: 76 Resp: 231823

Ion Ratio Lower Upper

76 100

78 31.9 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

150000

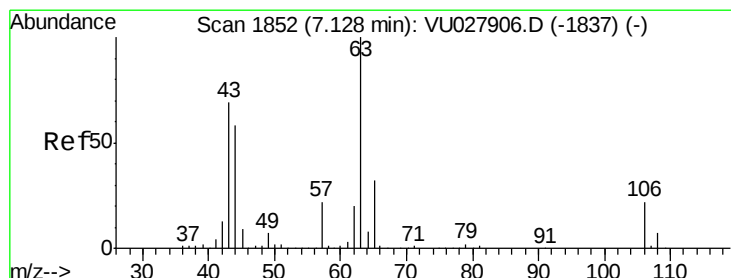
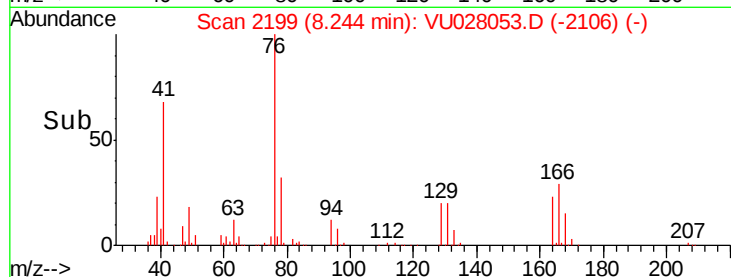
100000

50000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 125.931 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028053.D

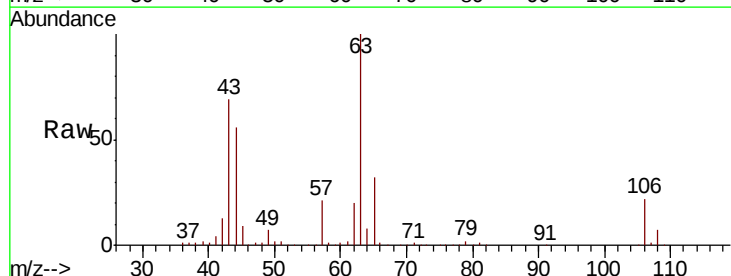
Acq: 09 Nov 2018 18:34

Tgt Ion: 63 Resp: 627969

Ion Ratio Lower Upper

63 100

106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

400000

300000

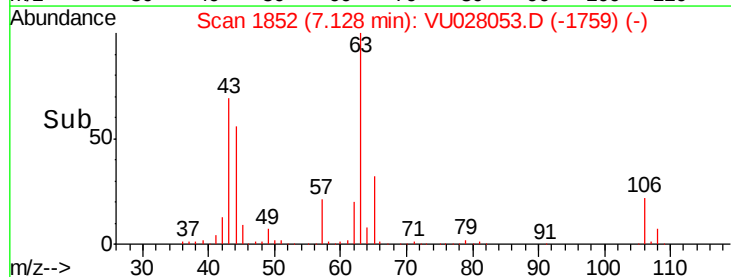
200000

100000

0

7.10 7.20

Time-->

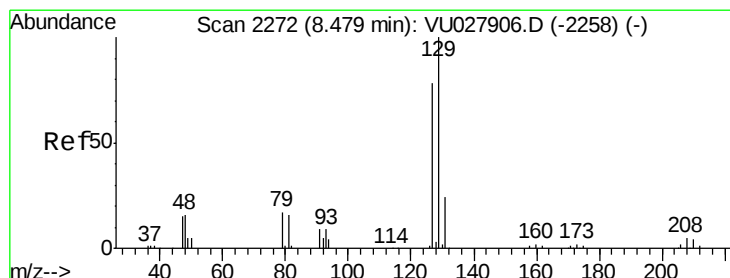
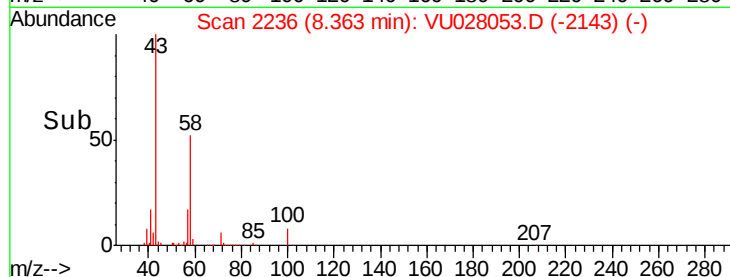
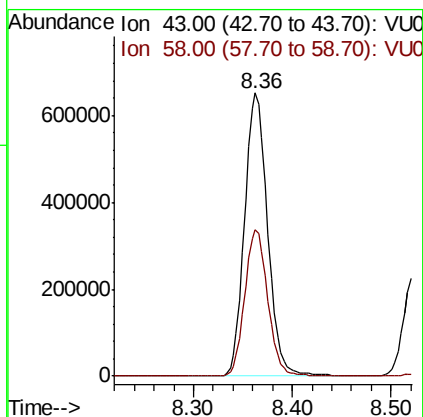
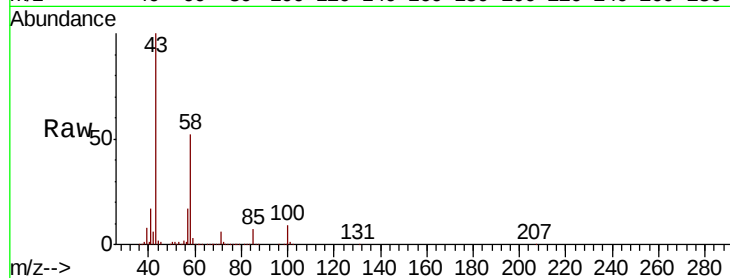




#59
2-Hexanone
Concen: 122.659 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

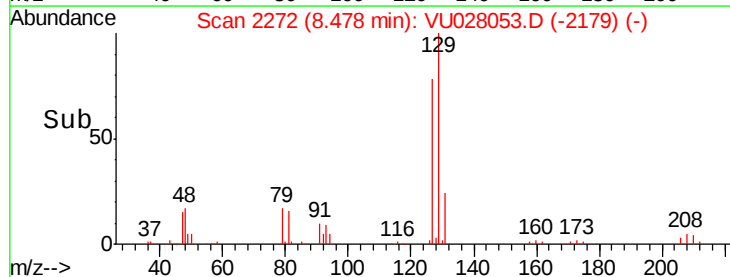
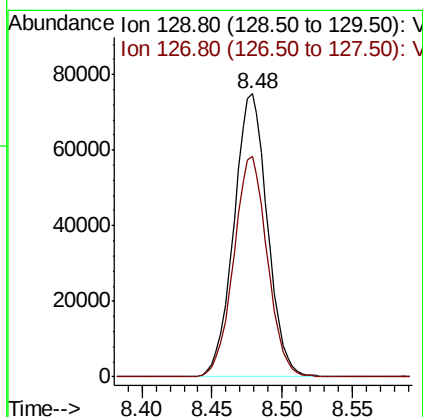
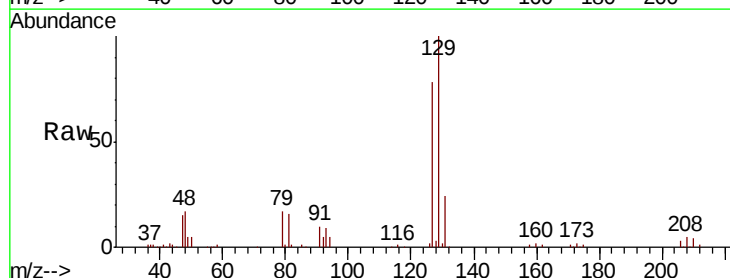
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

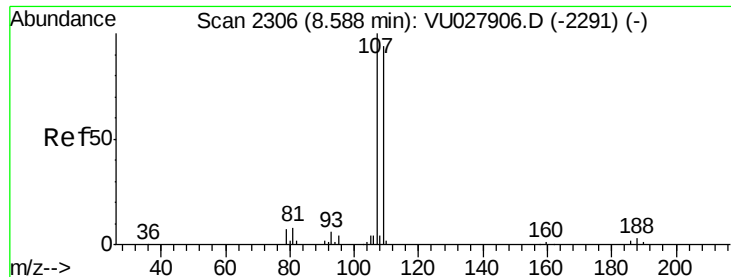
Tot Ion: 43 Resp: 1050058
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3



#60
Dibromochloromethane
Concen: 25.023 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 129 Resp: 125019
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 23.814 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

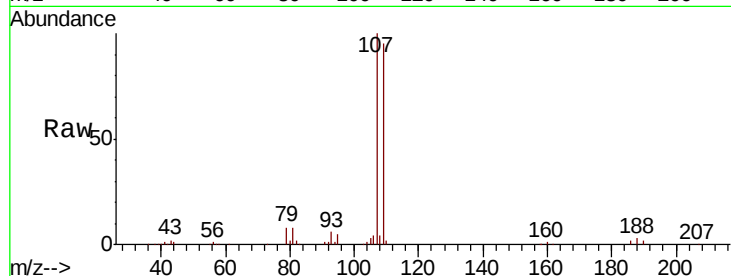
VSTDCCC050EC

Tot Ion:107 Resp: 133601

Ion Ratio Lower Upper

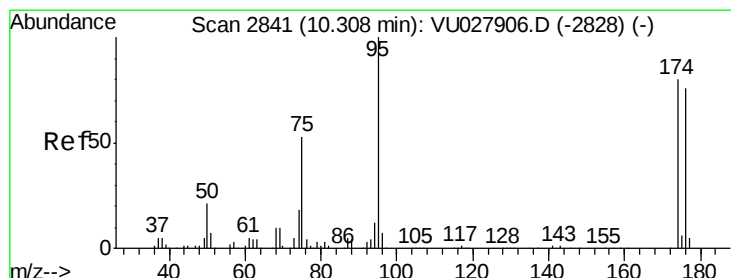
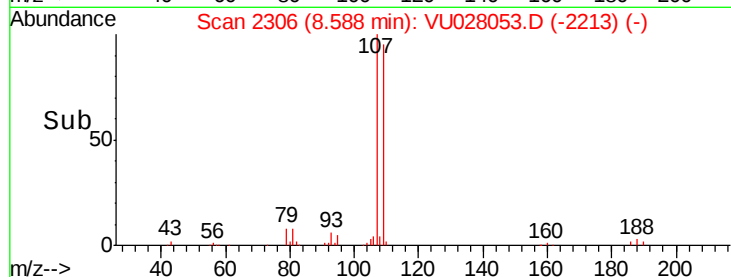
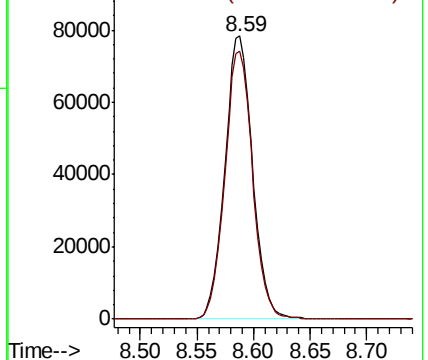
107 100

109 95.0 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.020 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

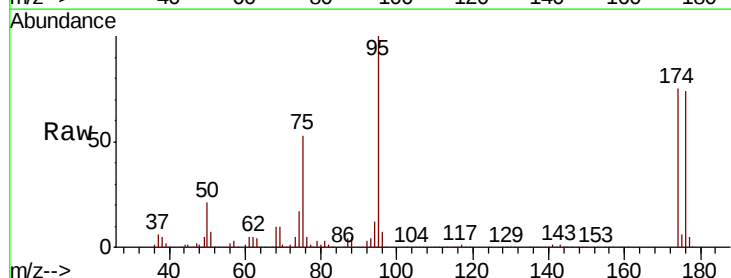
Tgt Ion: 95 Resp: 334547

Ion Ratio Lower Upper

95 100

174 76.4 0.0 156.4

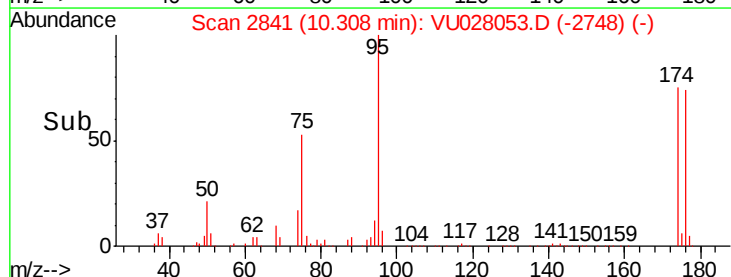
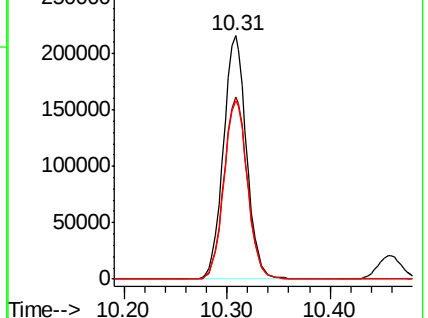
176 74.9 0.0 150.8

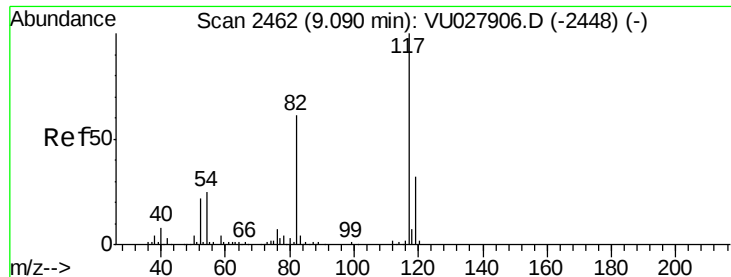


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

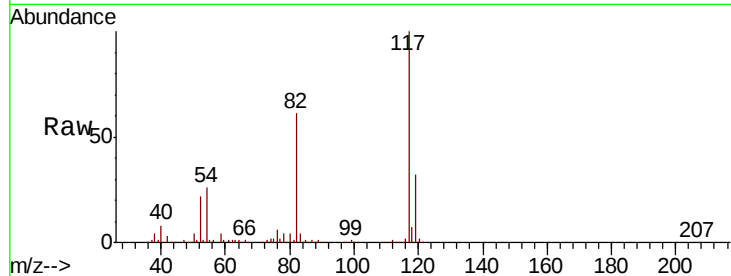




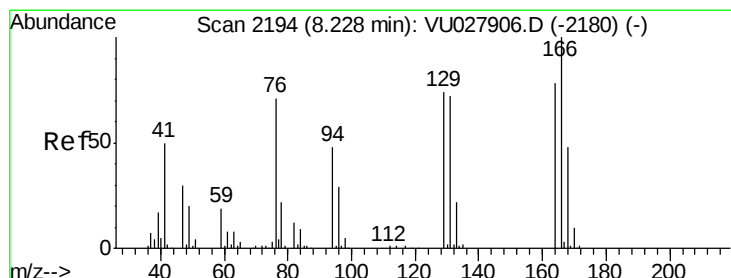
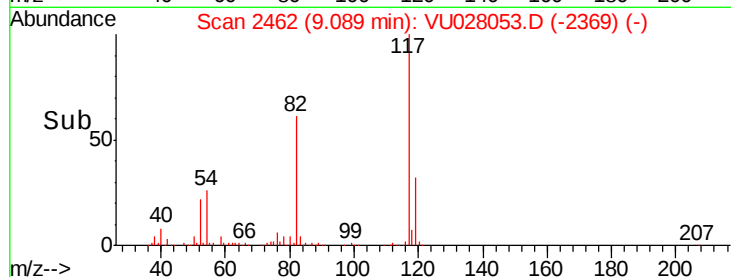
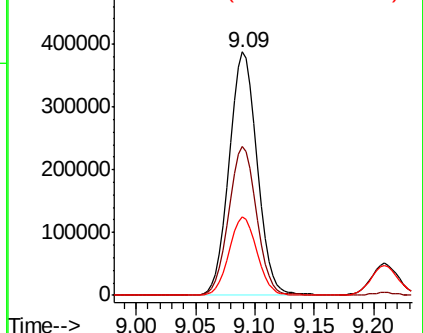
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 633673
Ion Ratio Lower Upper
117 100
82 61.1 48.6 73.0
119 32.2 25.8 38.8

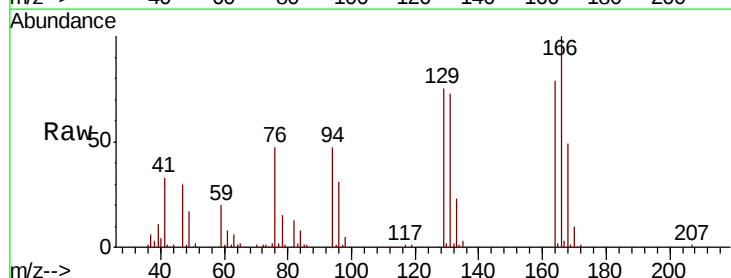


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

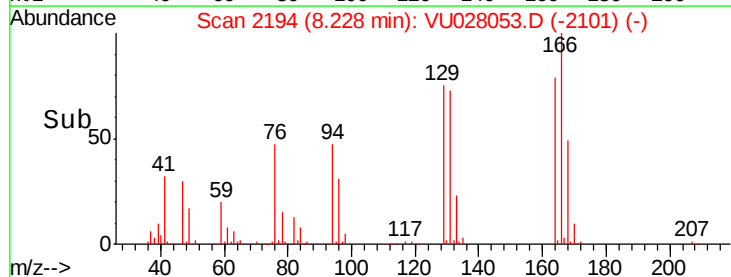
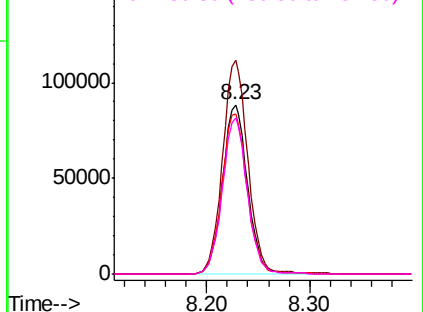


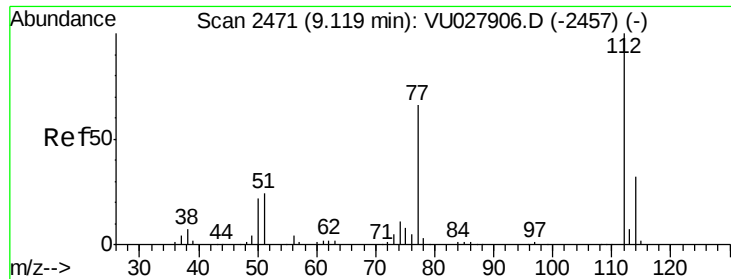
#64
Tetrachloroethene
Concen: 36.471 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:164 Resp: 149854
Ion Ratio Lower Upper
164 100
166 126.2 102.1 153.1
129 94.5 75.9 113.9
131 92.4 73.0 109.6



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

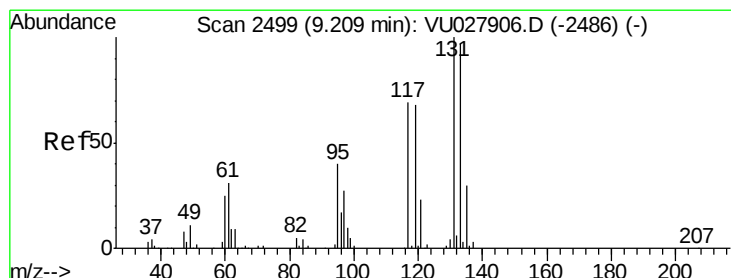
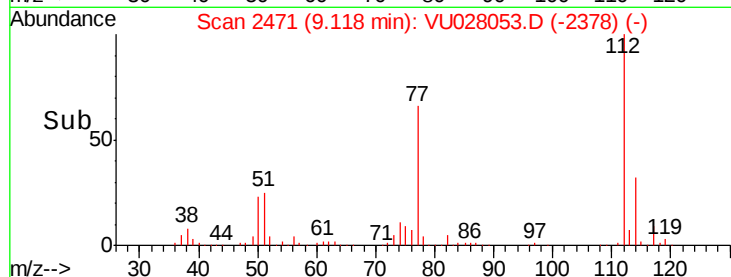
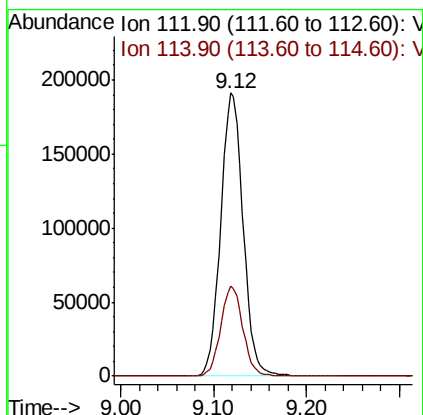
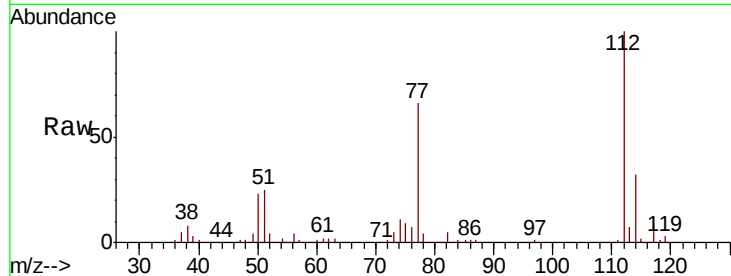




#65
Chlorobenzene
Concen: 23.963 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

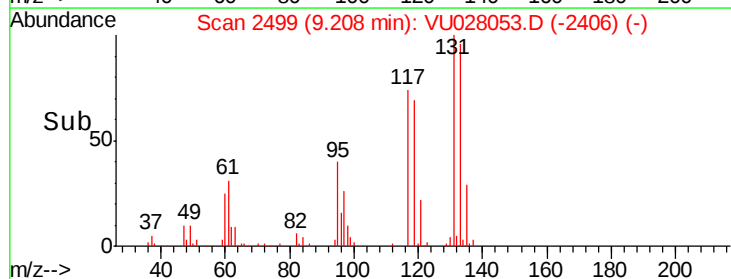
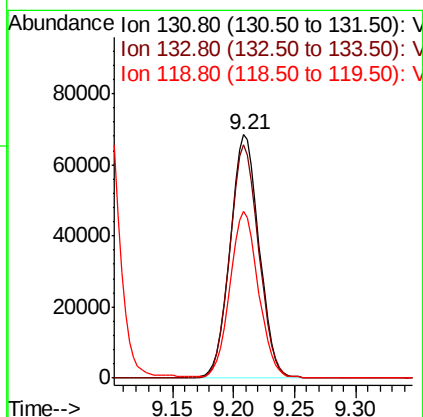
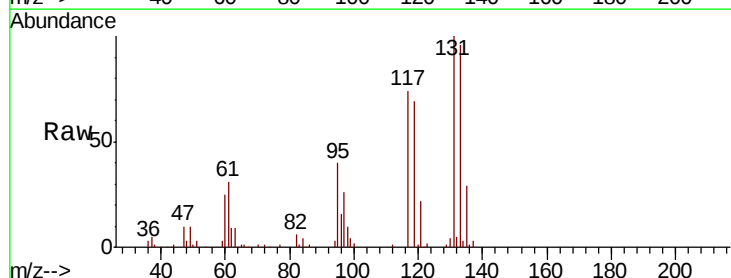
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

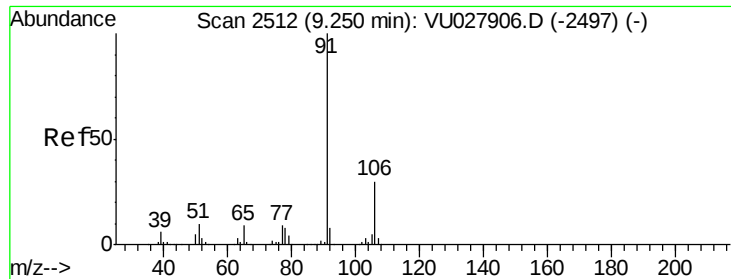
Tot Ion:112 Resp: 320807
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.802 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:131 Resp: 113414
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 67.9 34.0 101.8

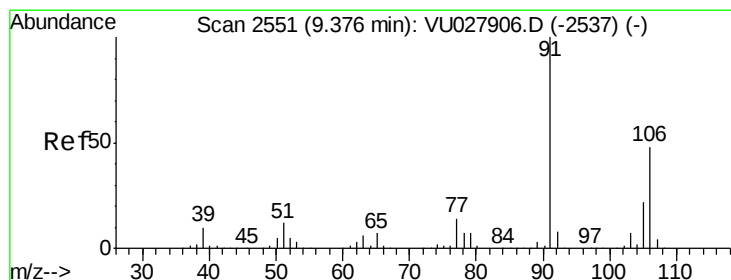
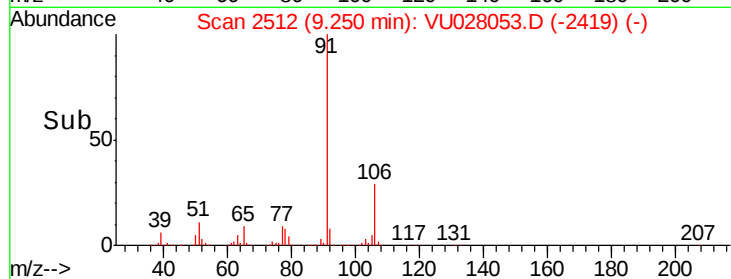
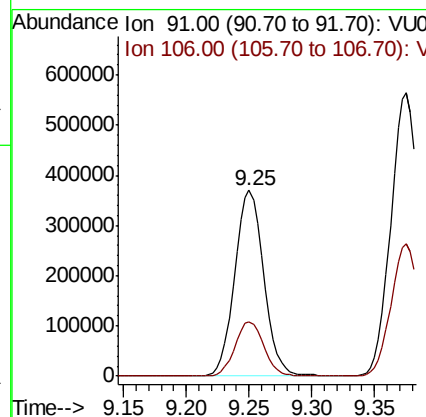
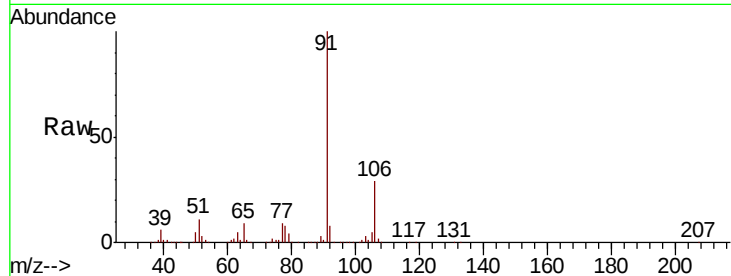




#67
Ethyl Benzene
Concen: 24.249 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

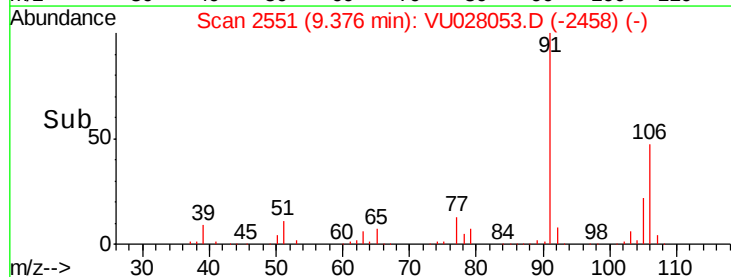
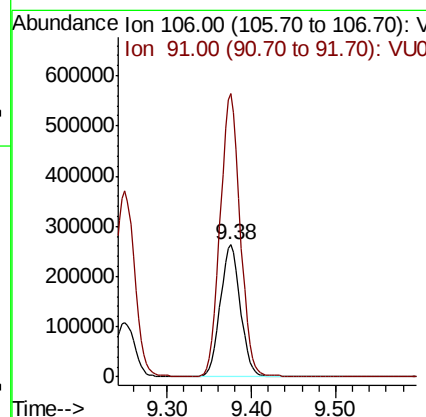
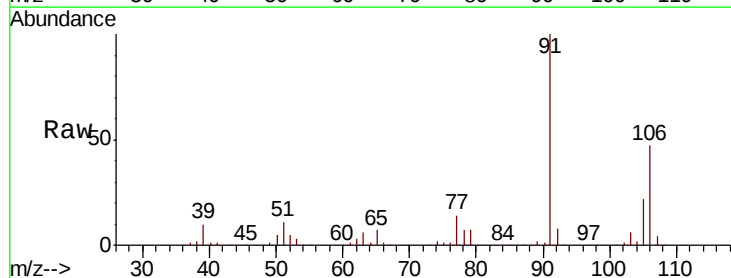
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 597562
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 48.745 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 106 Resp: 435847
Ion Ratio Lower Upper
106 100
91 214.0 168.2 252.4

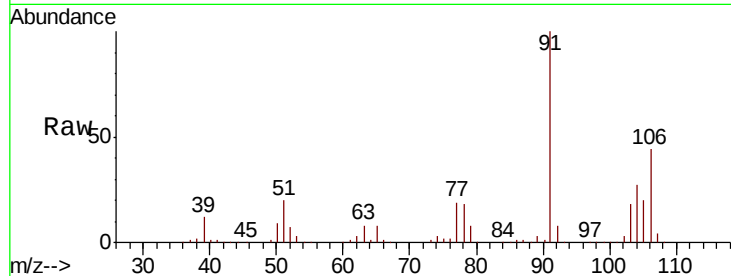




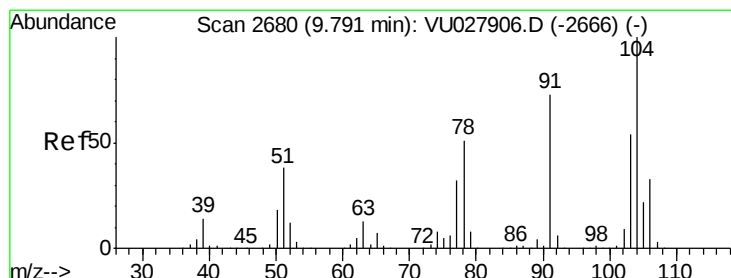
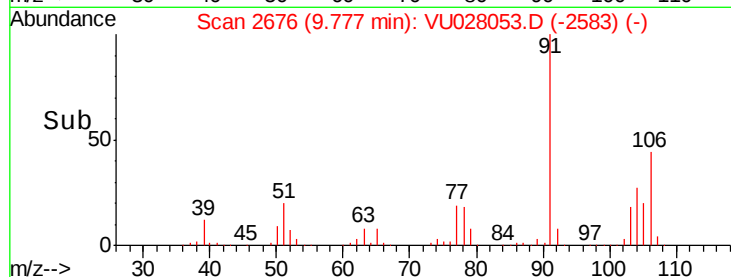
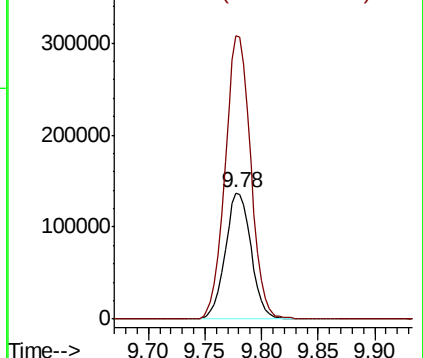
#69
o-Xylene
Concen: 24.178 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 218301
Ion Ratio Lower Upper
106 100
91 222.3 111.1 333.4

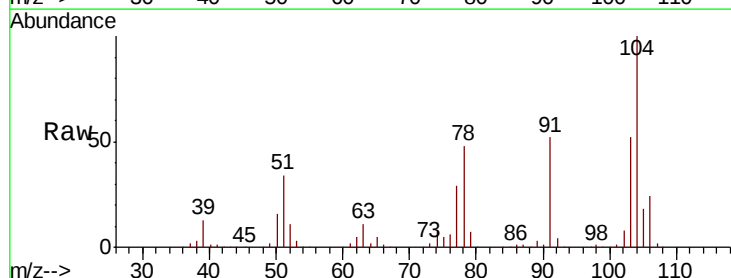


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

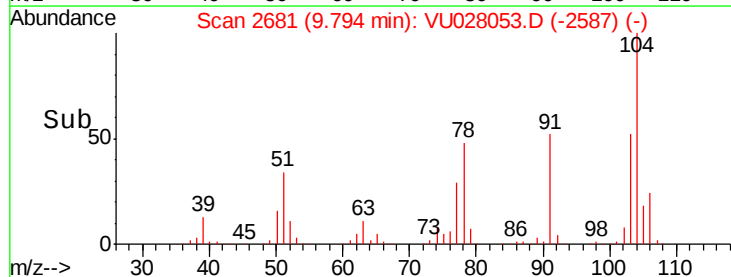
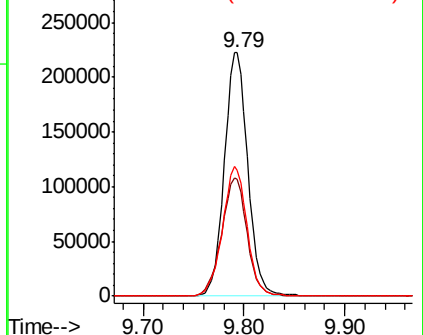


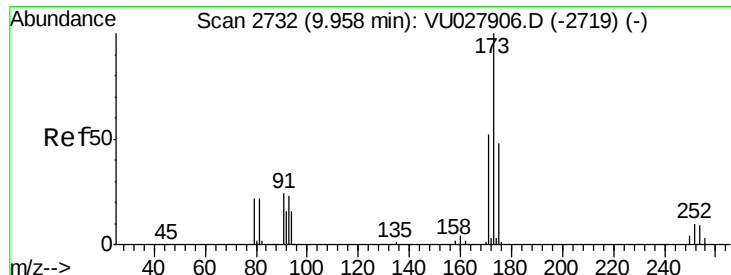
#70
Styrene
Concen: 25.083 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion:104 Resp: 361853
Ion Ratio Lower Upper
104 100
78 52.4 43.0 64.4
103 55.7 45.1 67.7



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: 25.058 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

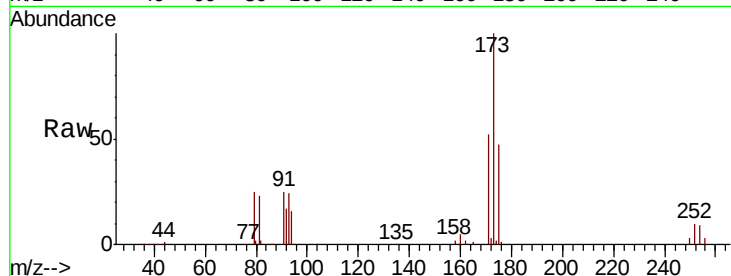
Tot Ion:173 Resp: 96032

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

254 0.0 0.0 0.0

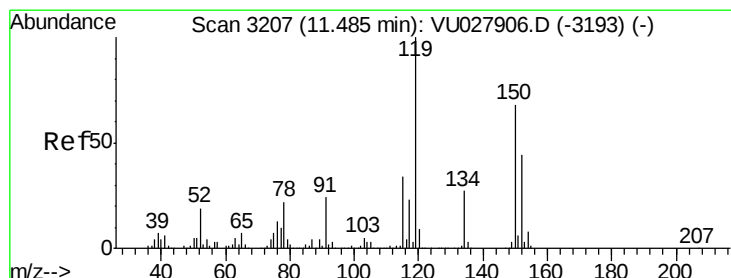
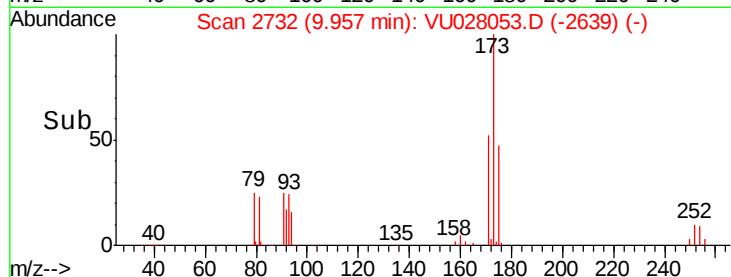
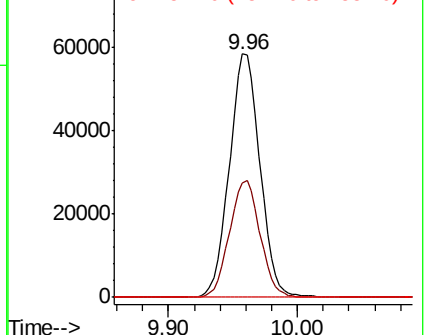


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

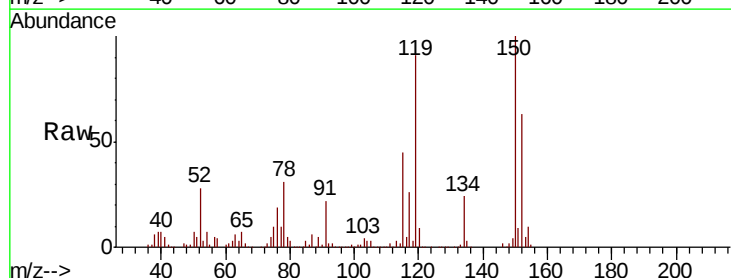
Tgt Ion:152 Resp: 297919

Ion Ratio Lower Upper

152 100

115 72.8 43.0 129.0

150 166.0 0.0 349.4

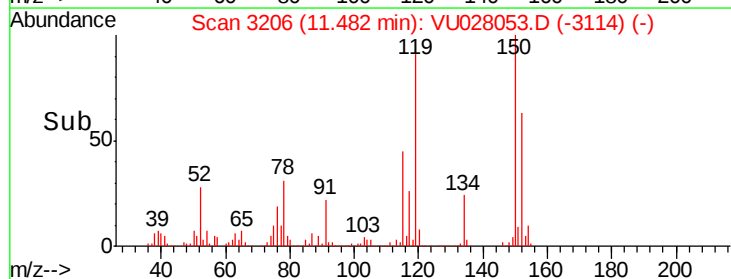
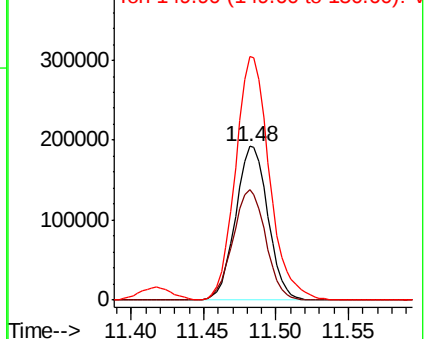


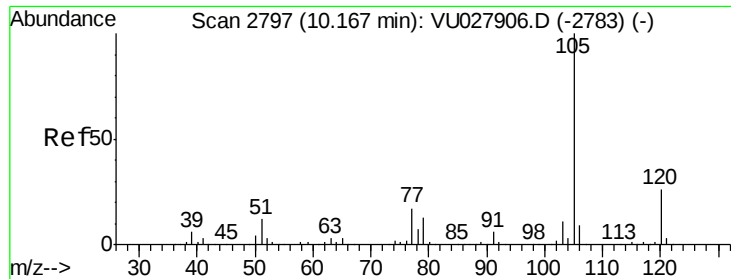
Abundance

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: 25.289 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

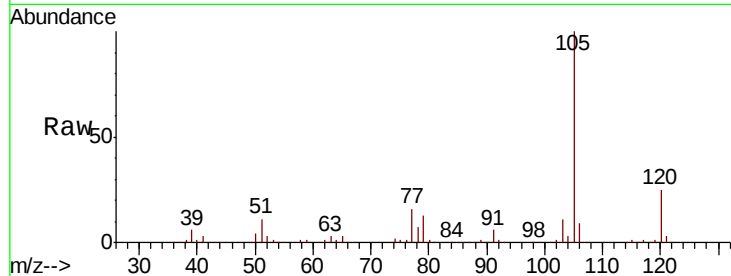
VSTDCCC050EC

Tot Ion:105 Resp: 583651

Ion Ratio Lower Upper

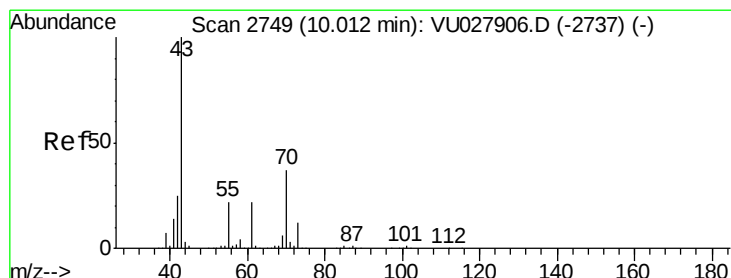
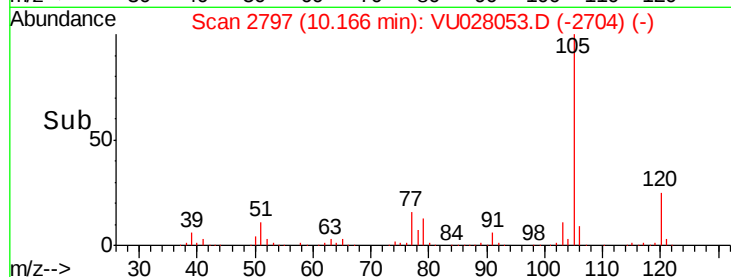
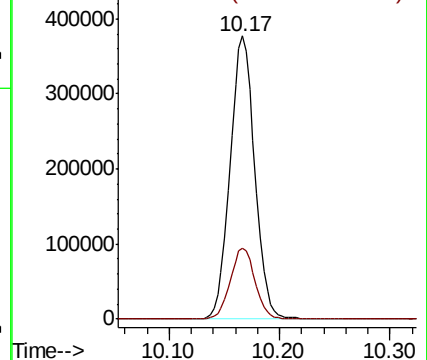
105 100

120 25.2 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 26.394 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Tgt Ion: 43 Resp: 368349

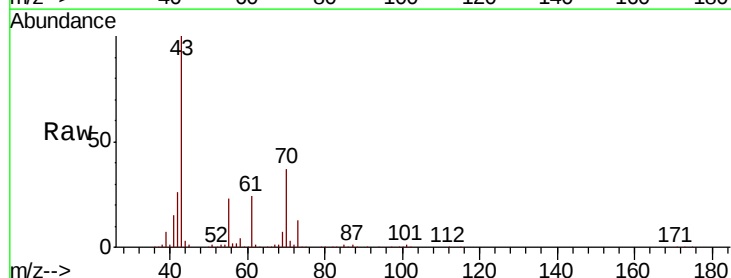
Ion Ratio Lower Upper

43 100

70 37.1 29.2 43.8

55 22.5 17.8 26.6

61 23.1 17.8 26.8

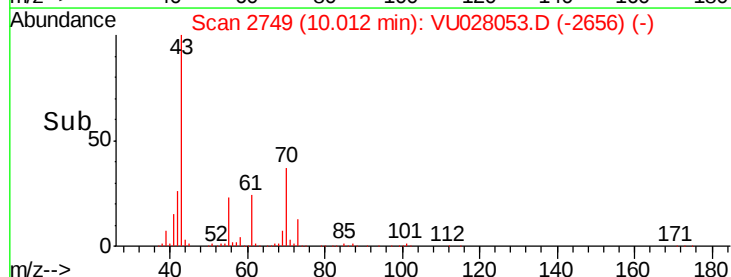
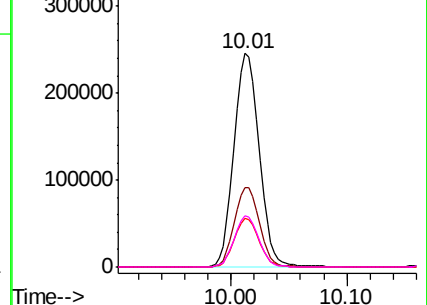


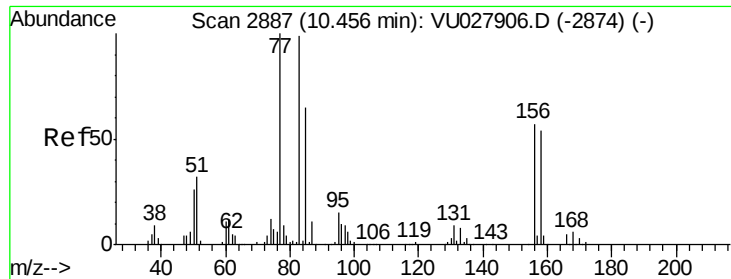
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 25.701 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

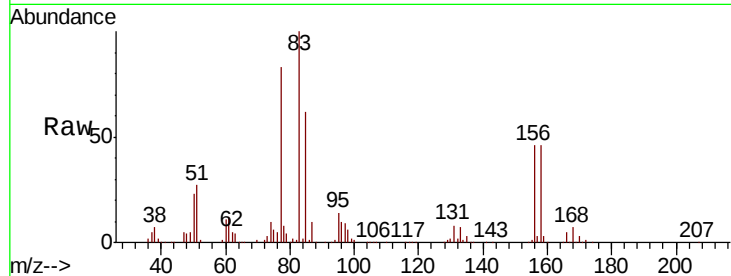
Tot Ion: 83 Resp: 239268

Ion Ratio Lower Upper

83 100

131 8.2 4.3 13.1

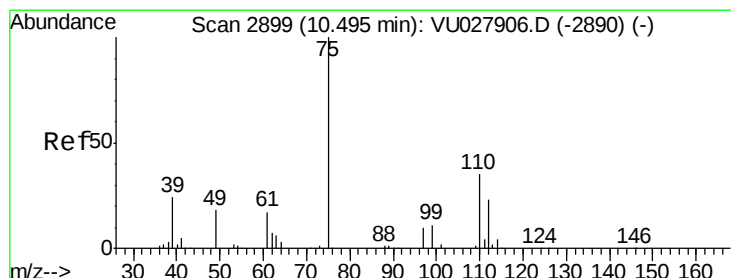
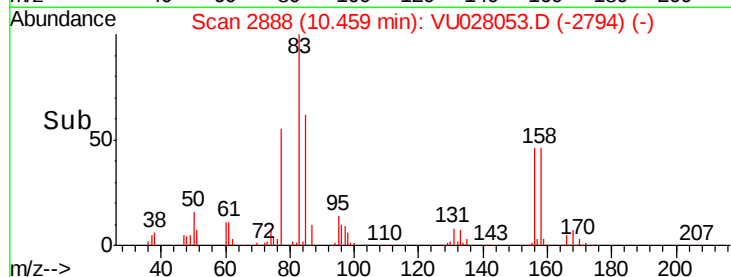
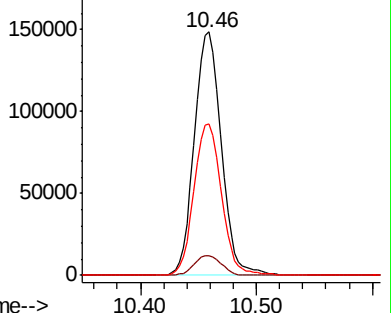
85 63.4 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 34.084 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028053.D

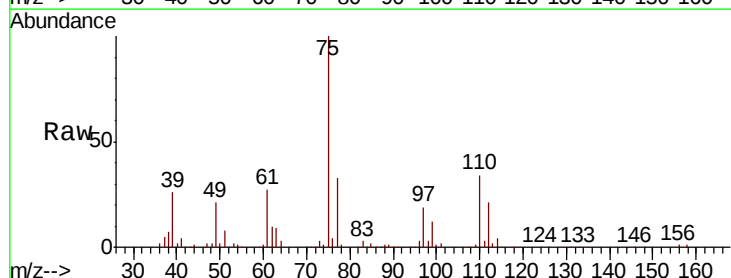
Acq: 09 Nov 2018 18:34

Tgt Ion: 75 Resp: 277750

Ion Ratio Lower Upper

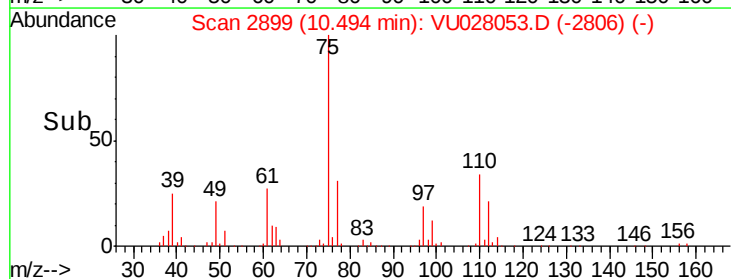
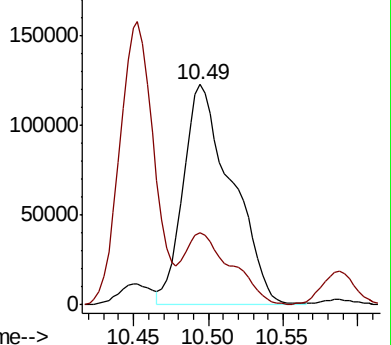
75 100

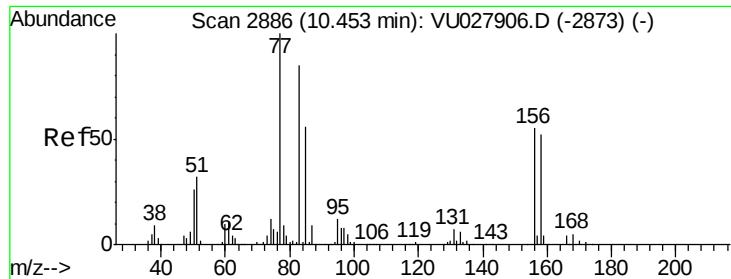
77 31.5 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 25.565 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

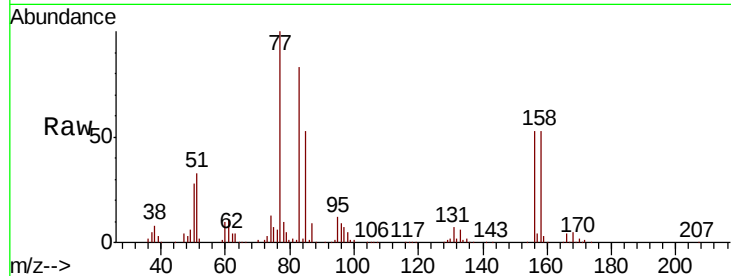
Tot Ion:156 Resp: 135293

Ion Ratio Lower Upper

156 100

77 186.1 91.8 275.6

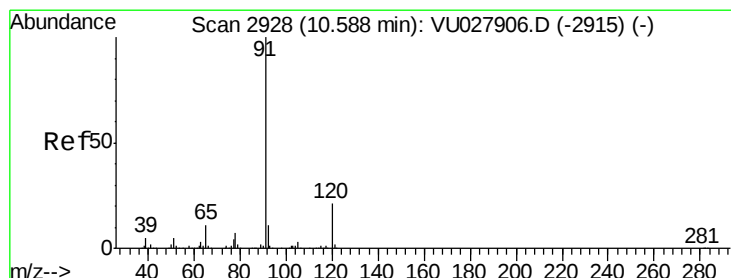
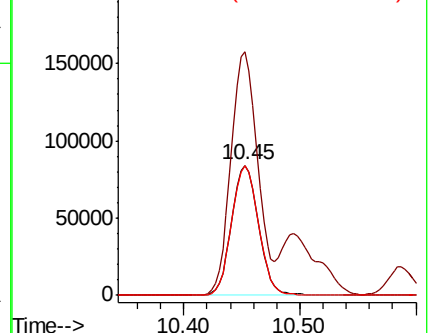
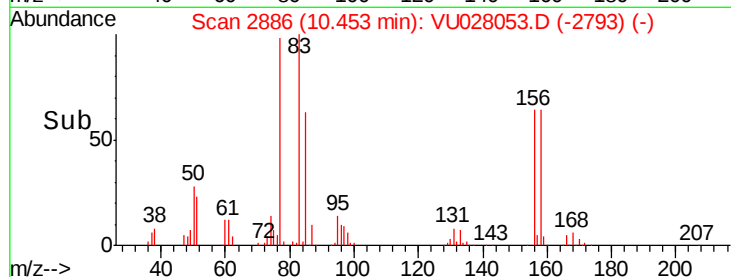
158 99.1 48.4 145.2



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: 25.695 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028053.D

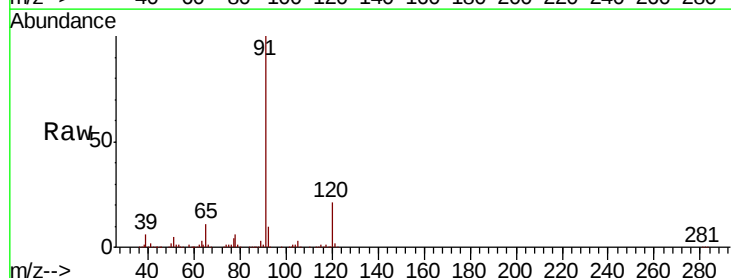
Acq: 09 Nov 2018 18:34

Tgt Ion: 91 Resp: 709840

Ion Ratio Lower Upper

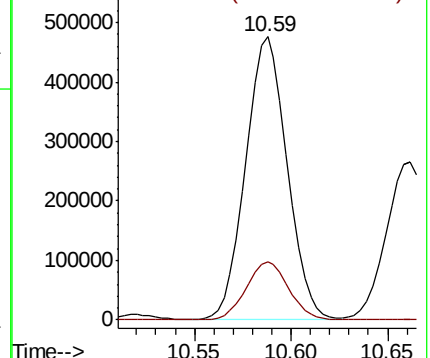
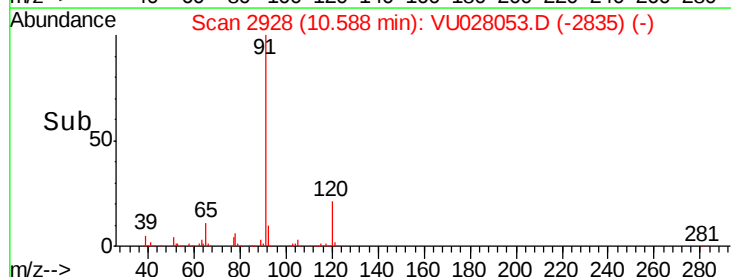
91 100

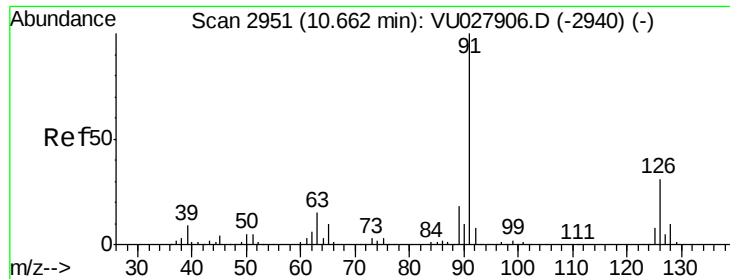
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

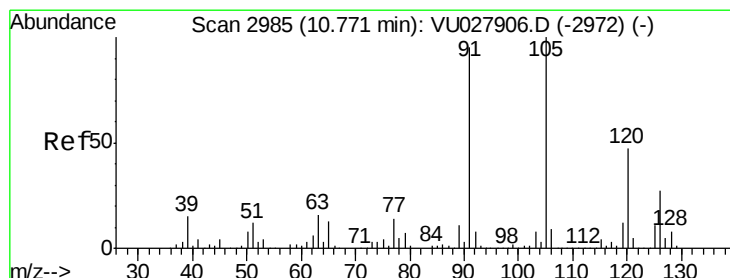
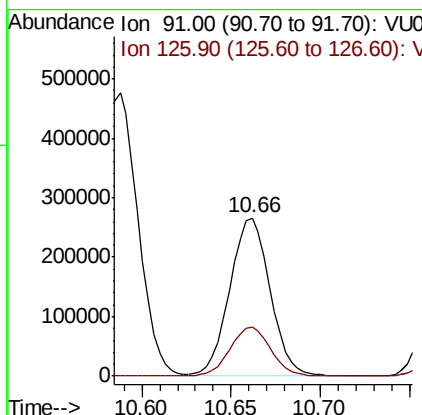
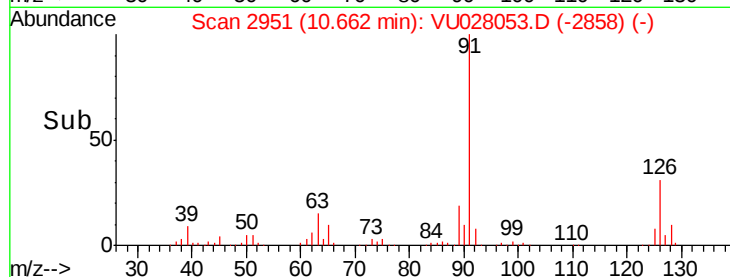
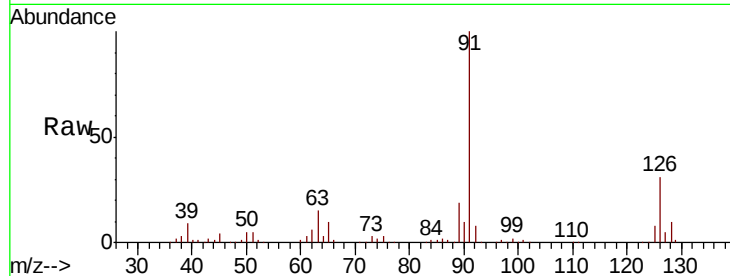




#79
 2-Chlorotoluene
 Concen: 25.183 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

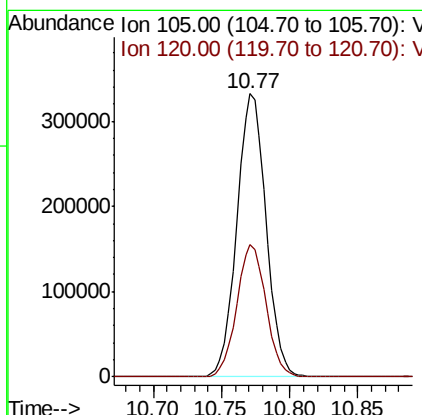
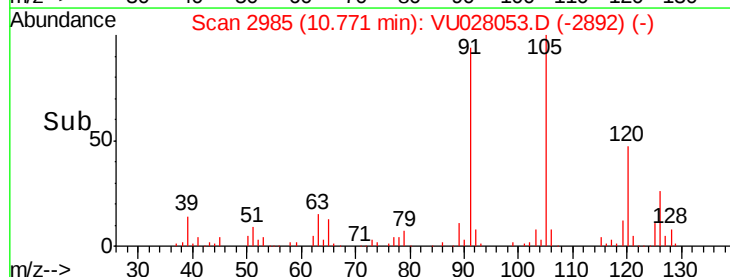
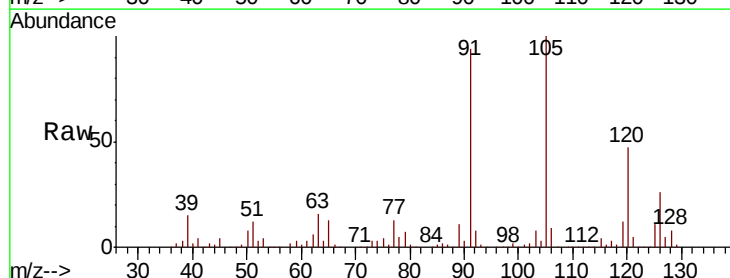
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

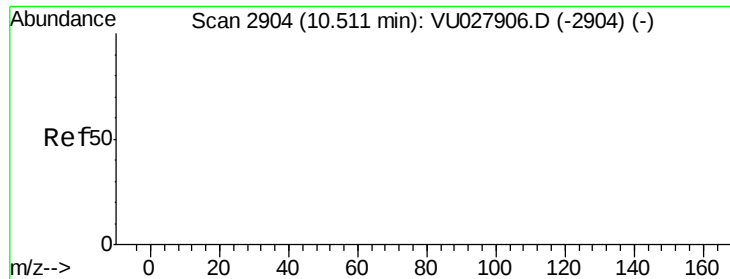
Tot Ion: 91 Resp: 417016
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 25.788 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 105 Resp: 493044
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 84.916 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

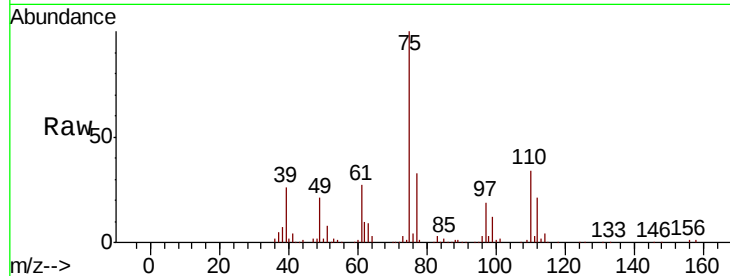
Tot Ion: 75 Resp: 277750

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): VU027906.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU028053.D (-2899) (-)

Ion 88.90 (88.60 to 89.60): VU028053.D (-2899) (-)

150000

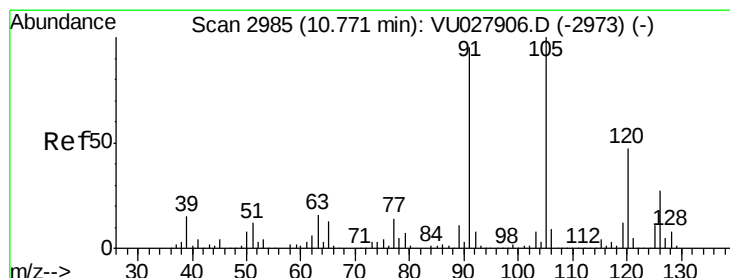
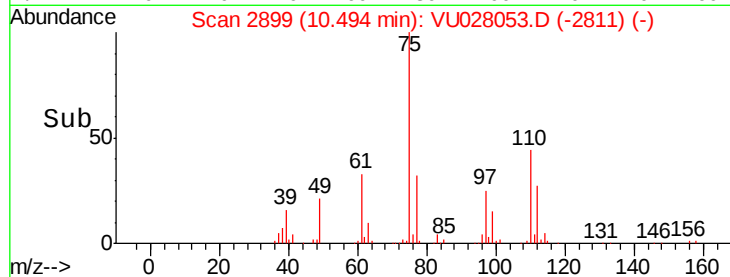
100000

50000

0

10.45 10.50 10.55

Time-->



#82

4-Chlorotoluene

Concen: 25.251 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028053.D

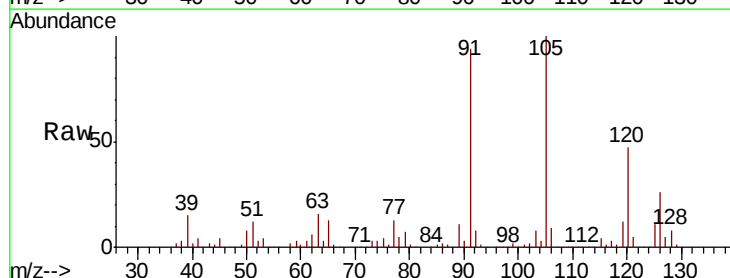
Acq: 09 Nov 2018 18:34

Tgt Ion: 91 Resp: 474706

Ion Ratio Lower Upper

91 100

126 28.1 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU028053.D (-2892) (-)

300000

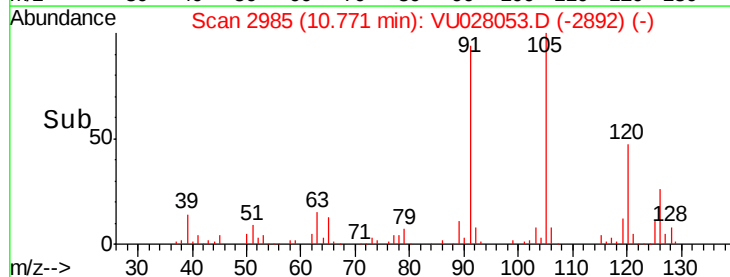
200000

100000

0

10.70 10.75 10.80 10.85

Time-->

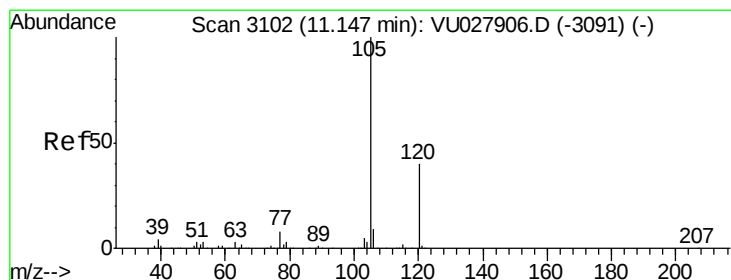
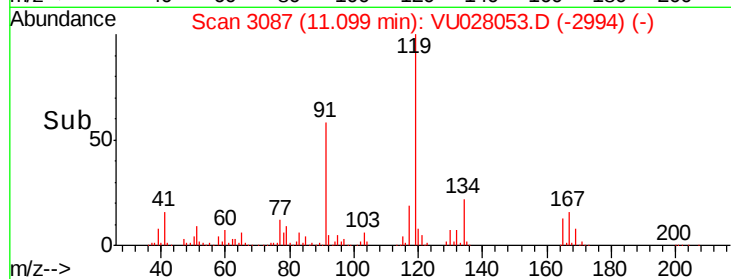
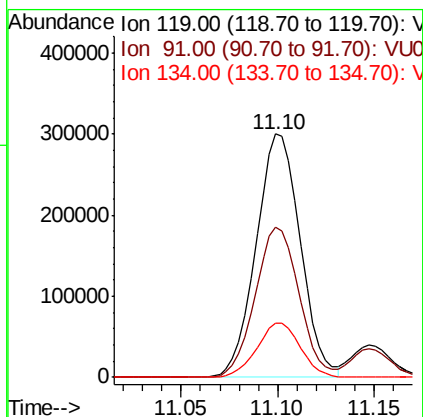
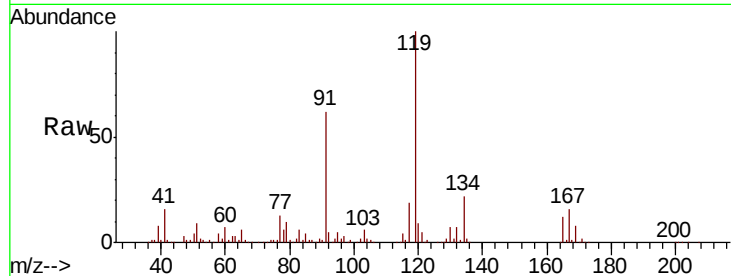




#83
 tert-Butylbenzene
 Concen: 24.961 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

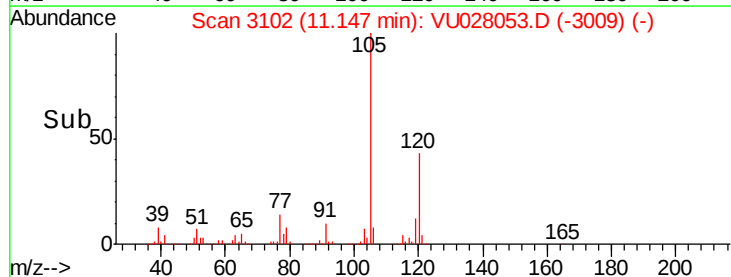
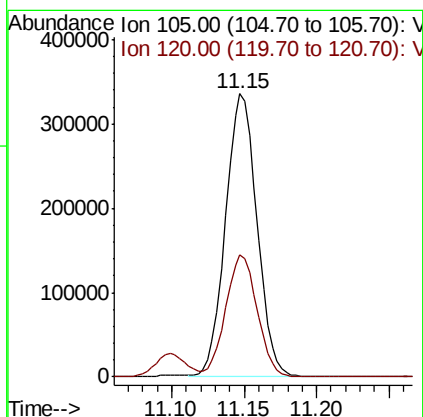
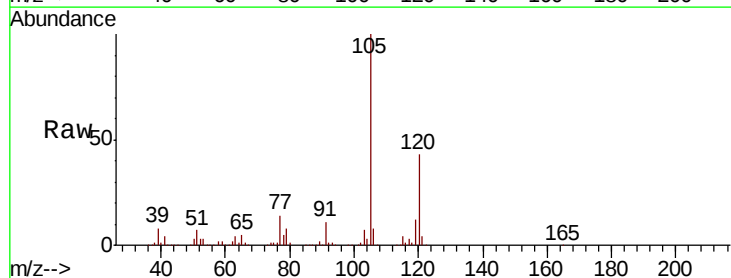
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

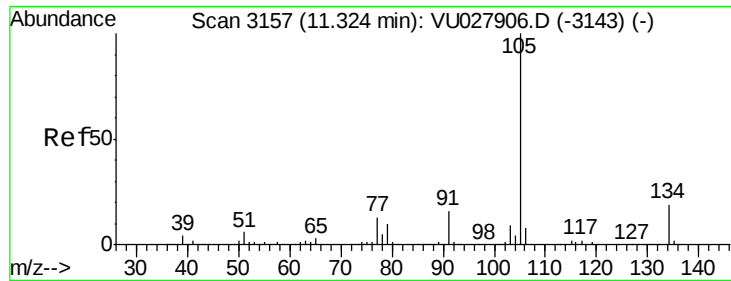
Tot Ion:119 Resp: 477095
 Ion Ratio Lower Upper
 119 100
 91 60.9 29.8 89.3
 134 21.9 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 26.157 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion:105 Resp: 503574
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.1

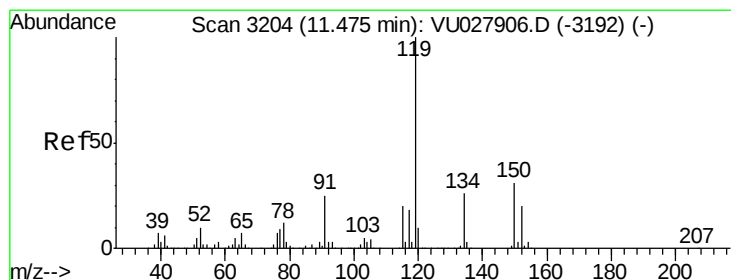
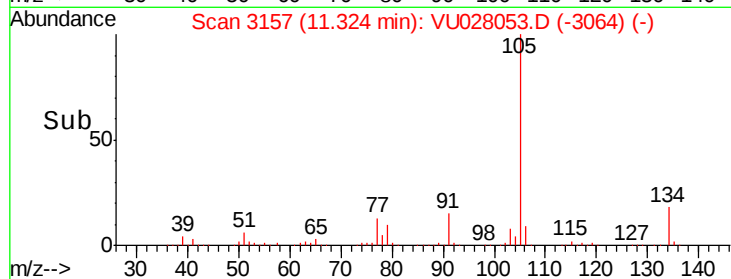
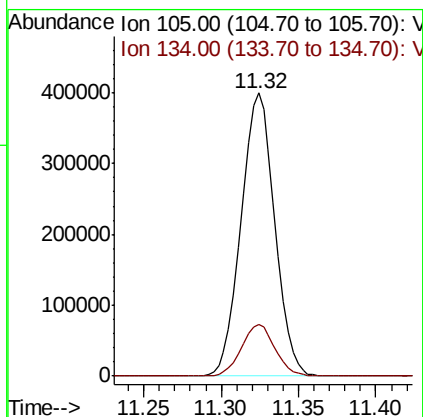
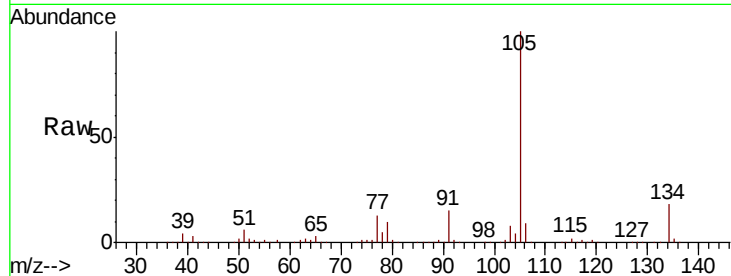




#85
 sec-Butylbenzene
 Concen: 26.022 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

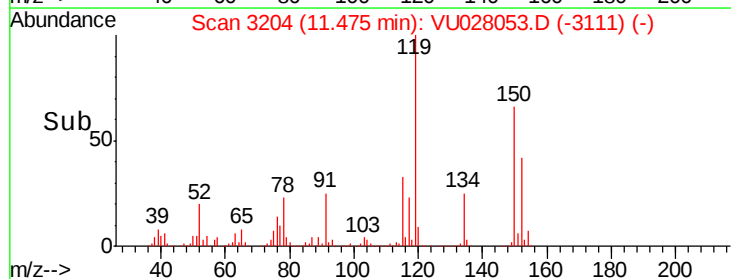
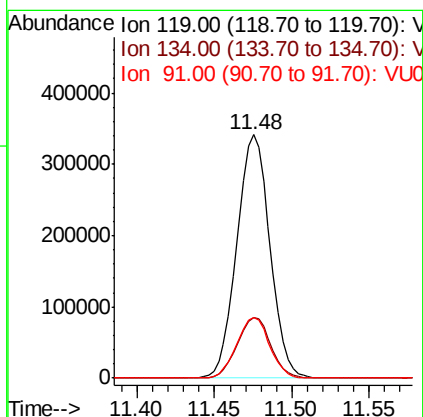
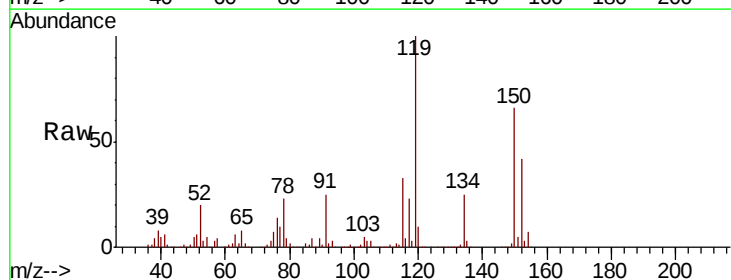
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

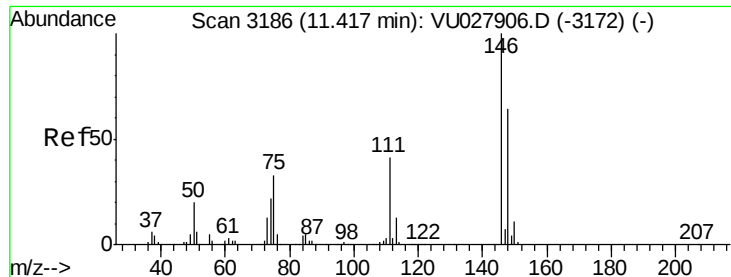
Tot Ion:105 Resp: 604887
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 25.997 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion:119 Resp: 505181
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 24.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 25.243 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

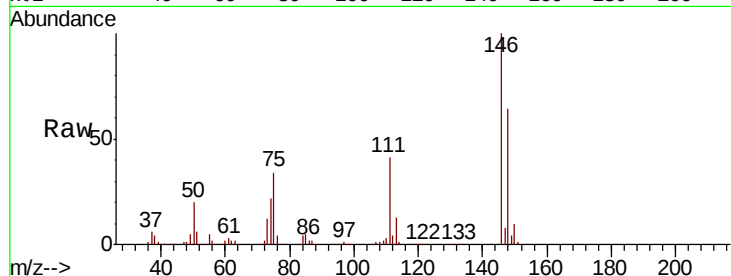
Tot Ion:146 Resp: 246780

Ion Ratio Lower Upper

146 100

111 41.7 20.3 61.0

148 64.1 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.42

150000

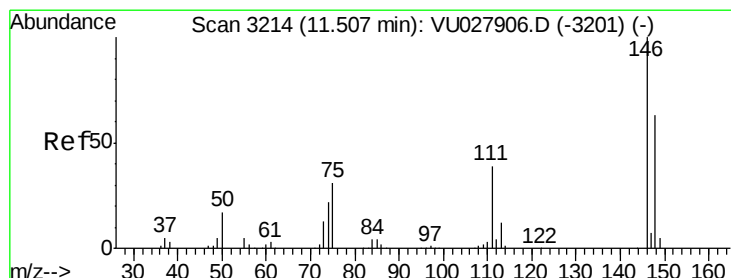
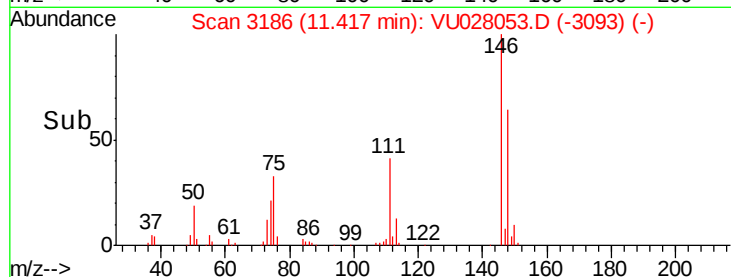
100000

50000

0

11.35 11.40 11.45

Time-->



#88

1,4-Dichlorobenzene

Concen: 24.961 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

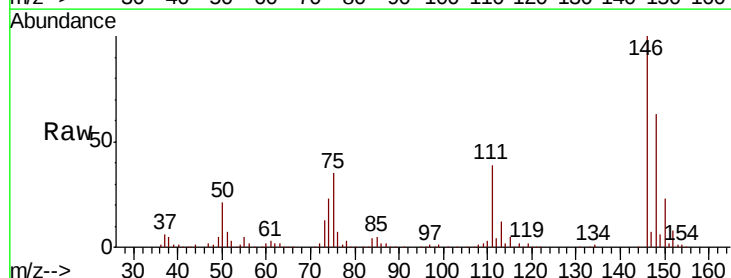
Tgt Ion:146 Resp: 250118

Ion Ratio Lower Upper

146 100

111 41.0 20.3 60.9

148 63.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.51

200000

150000

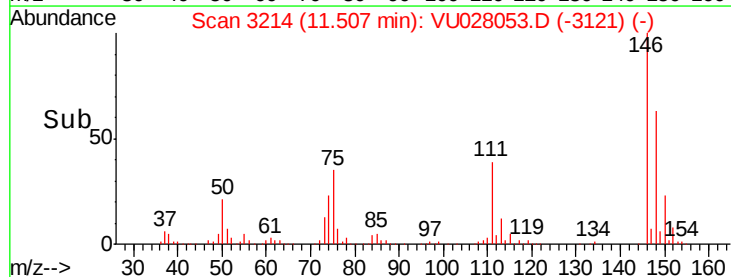
100000

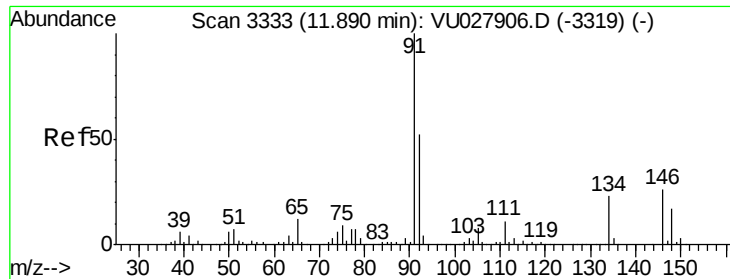
50000

0

11.45 11.50 11.55 11.60

Time-->

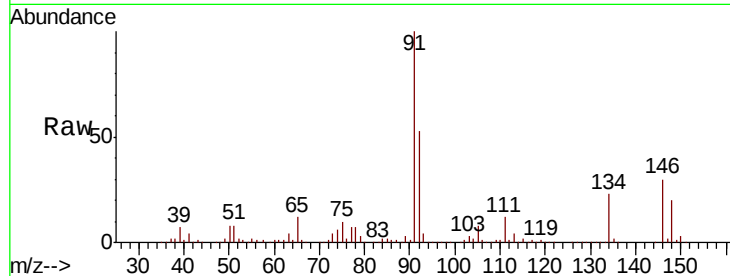




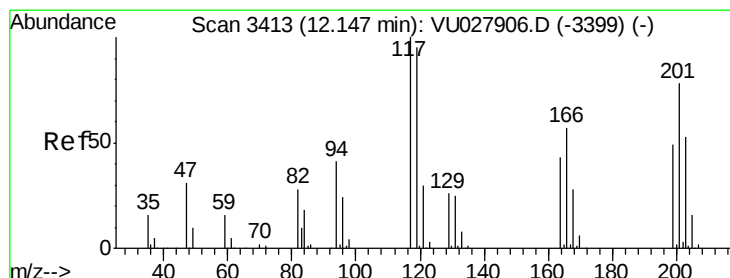
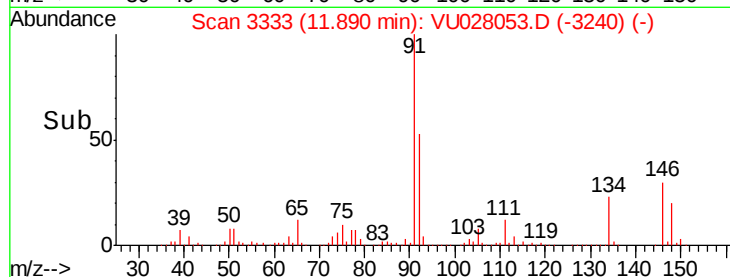
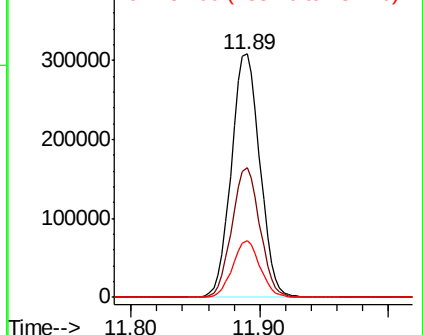
#89
n-Butylbenzene
Concen: 25.648 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 473654
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 22.5 11.5 34.5

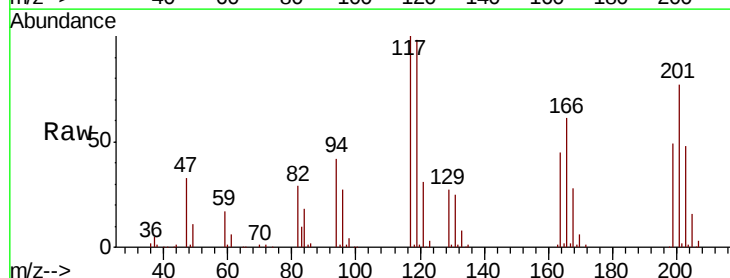


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)

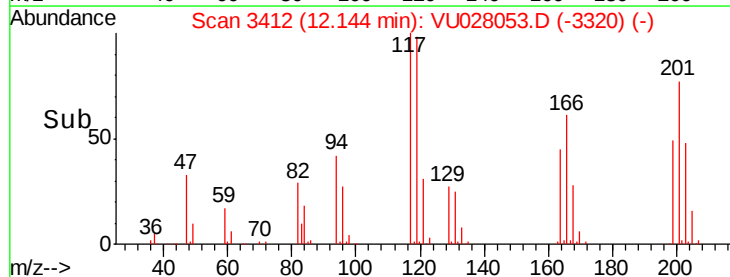
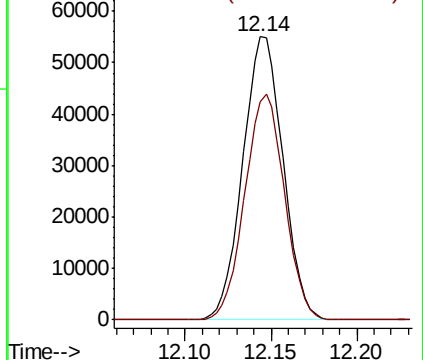


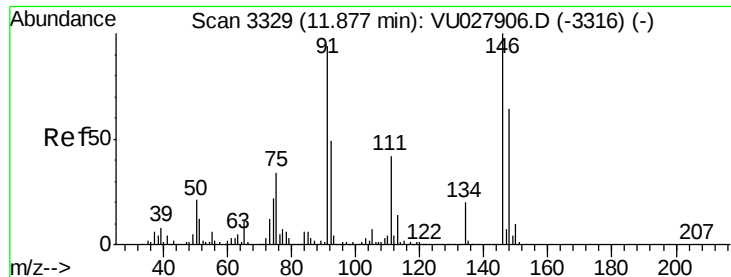
#90
Hexachloroethane
Concen: 25.827 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028053.D
Acq: 09 Nov 2018 18:34

Tgt Ion: 117 Resp: 89352
Ion Ratio Lower Upper
117 100
201 78.6 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

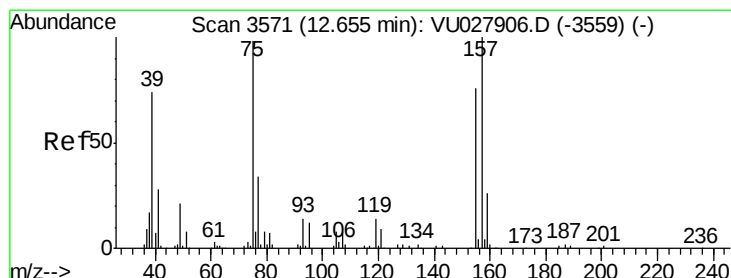
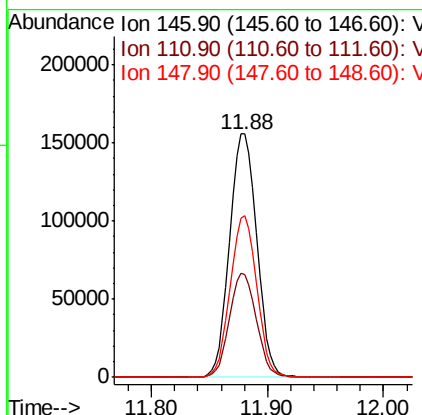
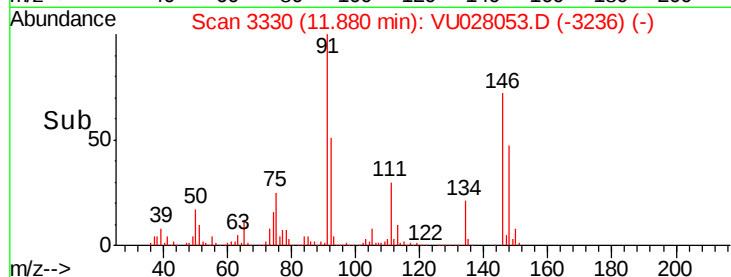
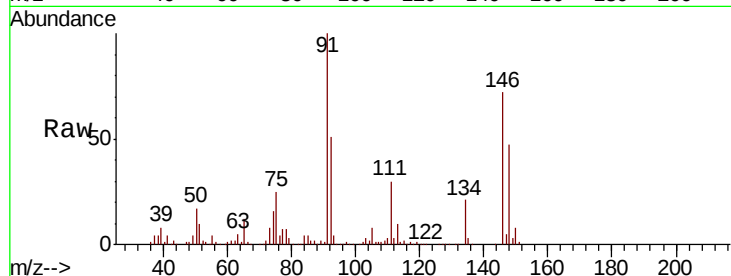




#91
 1,2-Dichlorobenzene
 Concen: 25.595 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

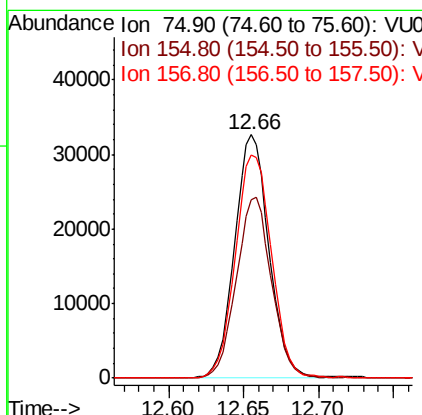
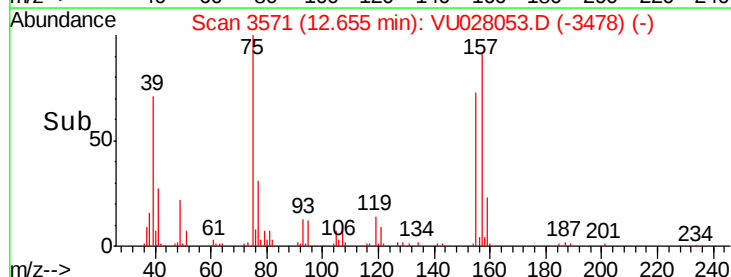
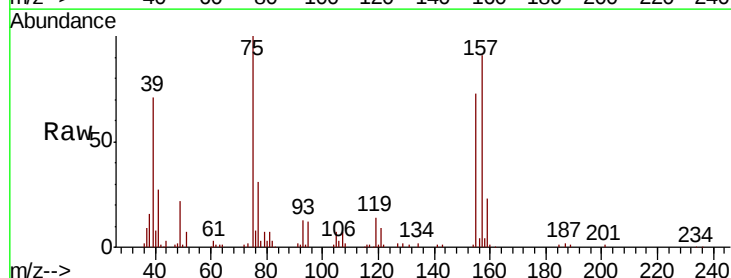
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

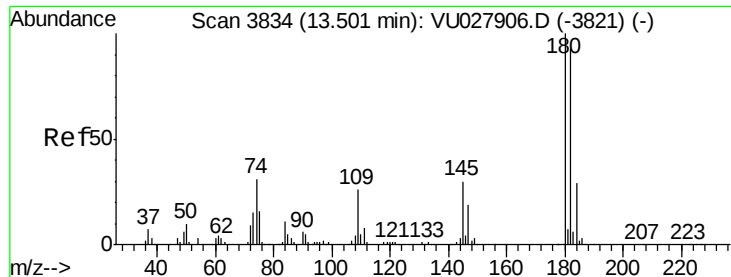
Tot Ion:146 Resp: 251631
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.3 64.0
 148 64.7 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.634 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion: 75 Resp: 52247
 Ion Ratio Lower Upper
 75 100
 155 75.7 39.8 119.3
 157 96.2 50.6 151.9

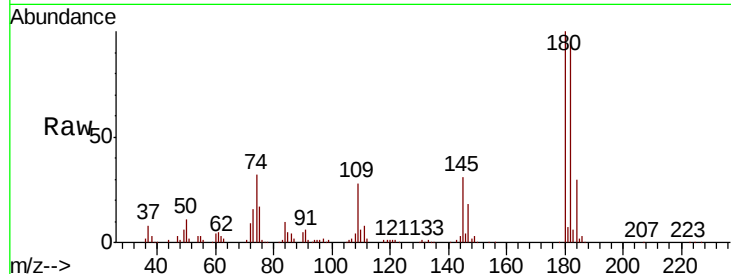




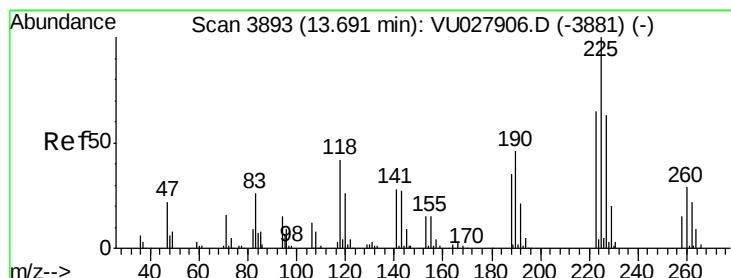
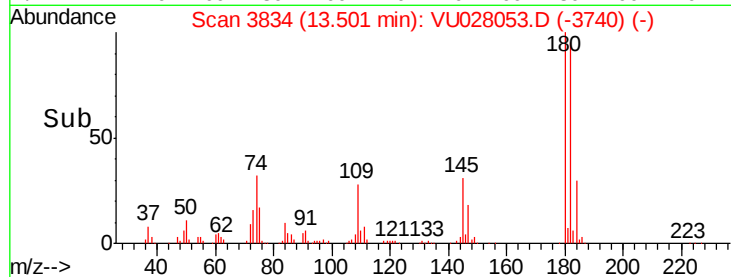
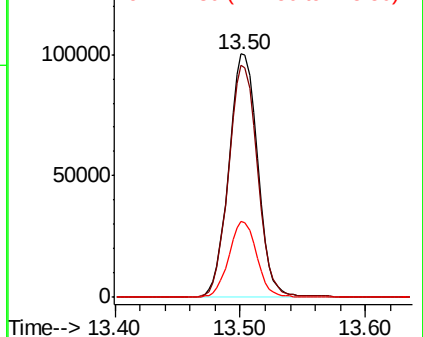
#93
 1,2,4-Trichlorobenzene
 Concen: 23.673 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 160699
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.2
 145 29.9 14.9 44.5

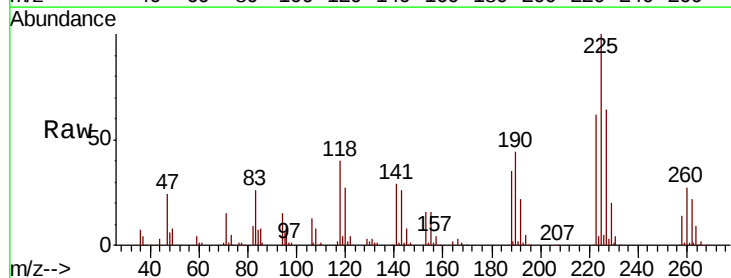


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

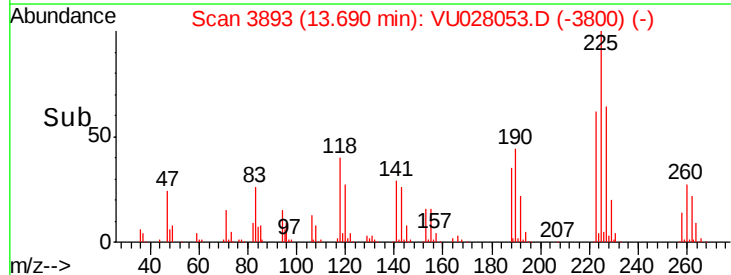
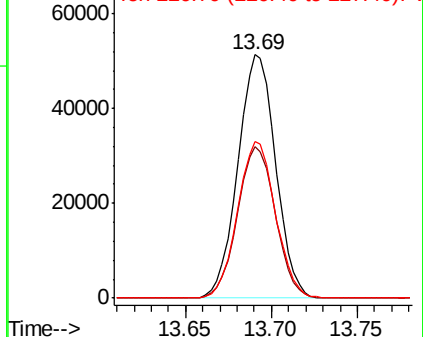


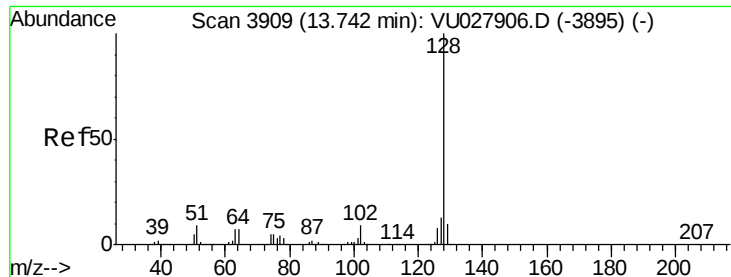
#94
 Hexachlorobutadiene
 Concen: 25.109 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028053.D
 Acq: 09 Nov 2018 18:34

Tgt Ion:225 Resp: 78455
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.2 96.6
 227 64.5 32.5 97.4



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





#95

Naphthalene

Concen: 23.991 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

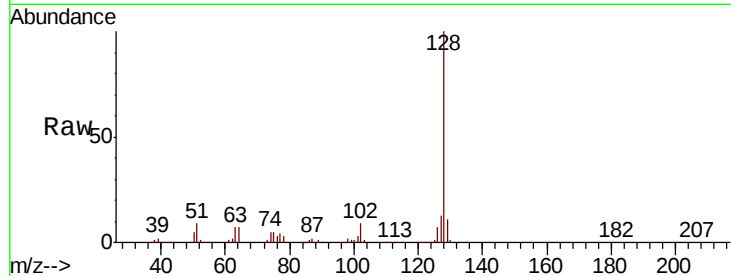
Tot Ion:128 Resp: 588592

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

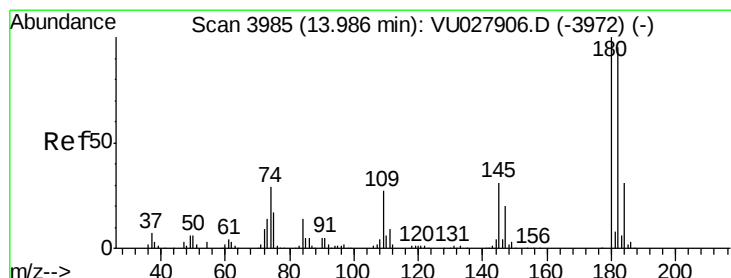
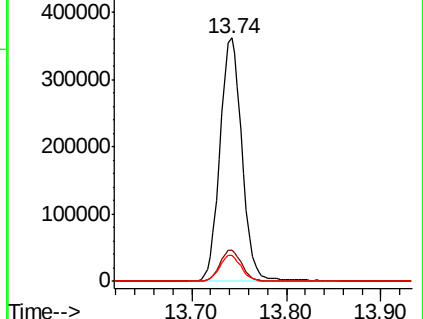
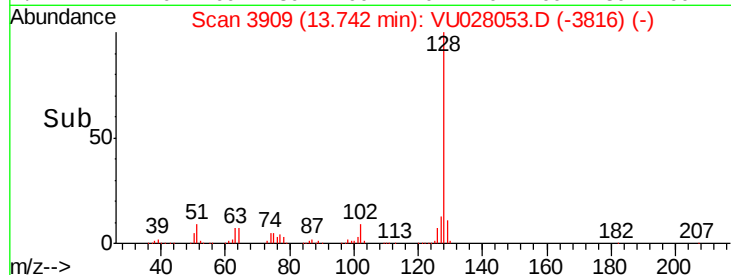
129 10.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 25.126 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028053.D

Acq: 09 Nov 2018 18:34

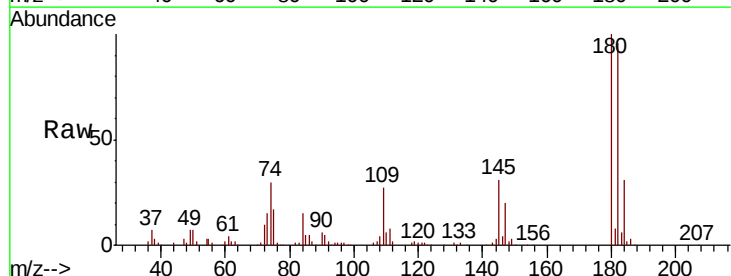
Tgt Ion:180 Resp: 165758

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.3

145 31.7 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

