

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028406.D
 Acq On : 29 Nov 2018 20:02
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 30 07:07:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	265780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	488458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	464917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	220505	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	4.88	113	159511	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.57	98	633221	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.30	95	245529	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	176559	49.521	ug/l	98
3) Chloromethane	1.33	50	311011	45.003	ug/l	100
4) Vinyl Chloride	1.40	62	244839	50.636	ug/l	99
5) Bromomethane	1.62	94	76979	41.163	ug/l	98
6) Chloroethane	1.69	64	136985	49.234	ug/l	94
7) Trichlorofluoromethane	1.88	101	255935	50.957	ug/l	99
8) Diethyl Ether	2.10	74	114861	49.195	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	150530	51.449	ug/l	99
10) Methyl Iodide	2.41	142	127527	46.221	ug/l	99
11) Tert butyl alcohol	2.82	59	239102	236.944	ug/l	99
12) 1,1-Dichloroethene	2.28	96	149472	52.643	ug/l	94
13) Acrolein	2.19	56	207877	231.717	ug/l	100
14) Allyl chloride	2.59	41	346558	46.716	ug/l	99
15) Acrylonitrile	2.94	53	692630	259.481	ug/l	100
16) Acetone	2.32	43	571703	210.402	ug/l	99
17) Carbon Disulfide	2.48	76	500315	45.907	ug/l	100
18) Methyl Acetate	2.61	43	381429	50.418	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	583031	50.086	ug/l	99
20) Methylene Chloride	2.70	84	186181	48.577	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	164590	49.983	ug/l	99
22) Diisopropyl ether	3.57	45	740836	50.725	ug/l	99
23) Vinyl Acetate	3.52	43	3098978	255.271	ug/l	100
24) 1,1-Dichloroethane	3.45	63	363271	50.448	ug/l	99
25) 2-Butanone	4.26	43	959615	246.424	ug/l	100
26) 2,2-Dichloropropane	4.23	77	267350	46.749	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	195885	50.300	ug/l	97
28) Bromochloromethane	4.55	49	175043	48.616	ug/l	98
29) Tetrahydrofuran	4.64	42	654468	258.852	ug/l	98
30) Chloroform	4.67	83	326041	49.054	ug/l	98
31) Cyclohexane	5.00	56	361334	48.873	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	267860	50.224	ug/l	100
36) 1,1-Dichloropropene	5.13	75	256295	47.949	ug/l	100
37) Ethyl Acetate	4.38	43	365017	50.111	ug/l	100
38) Carbon Tetrachloride	5.13	117	211038	48.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	305183	48.427	ug/l	99
40) Benzene	5.39	78	775800	49.005	ug/l	99
41) Methacrylonitrile	4.54	41	206352	51.011	ug/l	97
42) 1,2-Dichloroethane	5.40	62	276980	48.567	ug/l	99
43) Isopropyl Acetate	5.55	43	584822	50.665	ug/l	99
44) Trichloroethene	6.19	130	169049	49.817	ug/l	100
45) 1,2-Dichloropropane	6.43	63	227598	49.094	ug/l	100
46) Dibromomethane	6.56	93	132011	49.574	ug/l	99
47) Bromodichloromethane	6.76	83	255312	48.203	ug/l	99
48) Methyl methacrylate	6.62	41	297403	49.462	ug/l	100
49) 1,4-Dioxane	6.61	88	87009	905.829	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1855923	251.743	ug/l	98
52) Toluene	7.64	92	461040	50.573	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	306969	48.467	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	326449	48.112	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	187616	49.450	ug/l	99
56) Ethyl methacrylate	8.02	69	332946	51.583	ug/l	99
57) 1,3-Dichloropropane	8.24	76	340822	48.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	866471	250.039	ug/l	100
59) 2-Hexanone	8.36	43	1423295	249.238	ug/l	99
60) Dibromochloromethane	8.48	129	175365	48.599	ug/l	100
61) 1,2-Dibromoethane	8.58	107	199223	51.269	ug/l	99
64) Tetrachloroethene	8.23	164	139935	45.757	ug/l	99
65) Chlorobenzene	9.12	112	478205	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	160786	48.590	ug/l	100
67) Ethyl Benzene	9.25	91	895715	49.264	ug/l	100
68) m/p-Xylenes	9.37	106	656245	100.277	ug/l	98
69) o-Xylene	9.78	106	320724	49.299	ug/l	99
70) Styrene	9.79	104	536889	51.170	ug/l	100
71) Bromoform	9.96	173	133343	47.942	ug/l #	99
73) Isopropylbenzene	10.17	105	852059	47.183	ug/l	100
74) N-amyl acetate	10.01	43	525471	46.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	339934	45.775	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	404900	62.884	ug/l	79
77) Bromobenzene	10.45	156	196267	46.125	ug/l	97
78) n-propylbenzene	10.58	91	1068770	47.975	ug/l	100
79) 2-Chlorotoluene	10.66	91	612955	46.674	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	716468	47.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	405809	167.300	ug/l #	100
82) 4-Chlorotoluene	10.77	91	717853	47.443	ug/l	100
83) tert-Butylbenzene	11.10	119	677850	47.783	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	736139	47.758	ug/l	100
85) sec-Butylbenzene	11.32	105	879768	47.747	ug/l	100
86) p-Isopropyltoluene	11.48	119	739119	48.785	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	368986	47.544	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	367818	47.092	ug/l	99
89) n-Butylbenzene	11.89	91	763799	51.082	ug/l	99
90) Hexachloroethane	12.14	117	108191	45.740	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	369048	47.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75747	45.856	ug/l	96

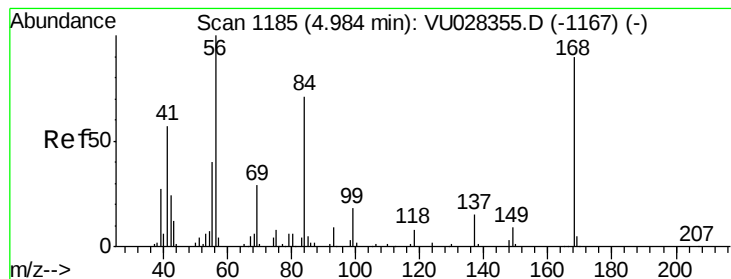
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	262649	51.821	ug/l	98
94) Hexachlorobutadiene	13.69	225	116702	48.762	ug/l	98
95) Naphthalene	13.74	128	930943	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	262763	51.260	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: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

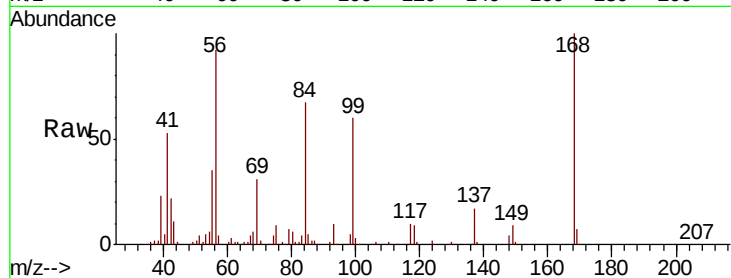
VSTDCCC050EC

Tot Ion:168 Resp: 265780

Ion Ratio Lower Upper

168 100

99 59.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

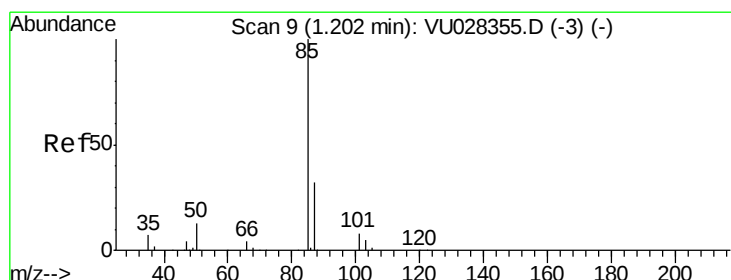
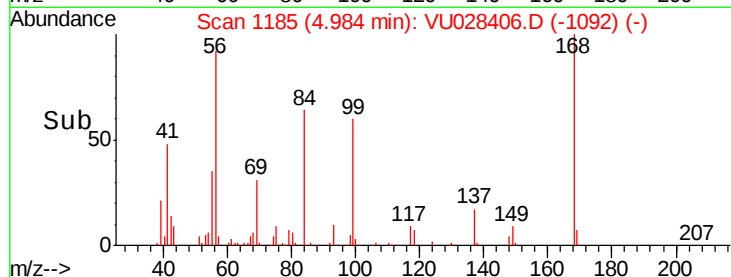
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.521 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028406.D

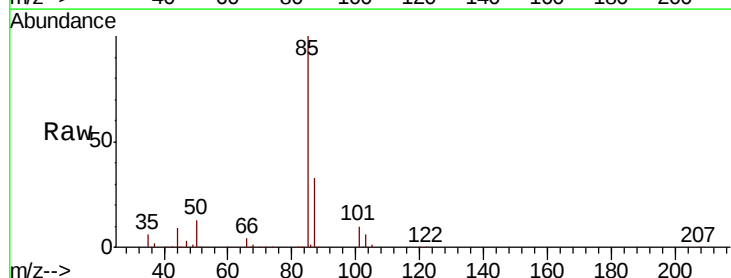
Acq: 29 Nov 2018 20:02

Tgt Ion: 85 Resp: 176559

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

200000

150000

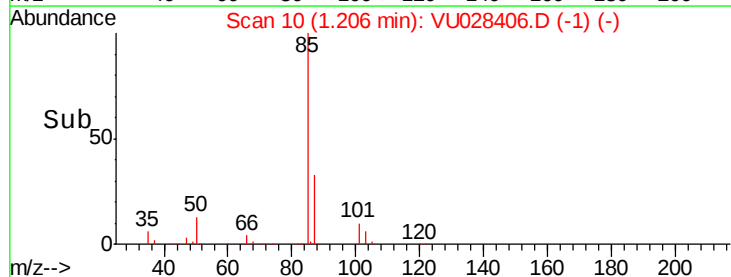
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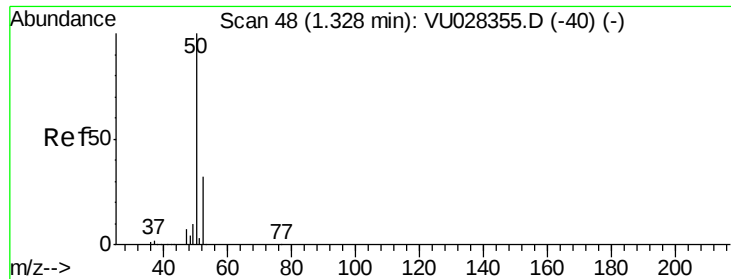
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.003 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

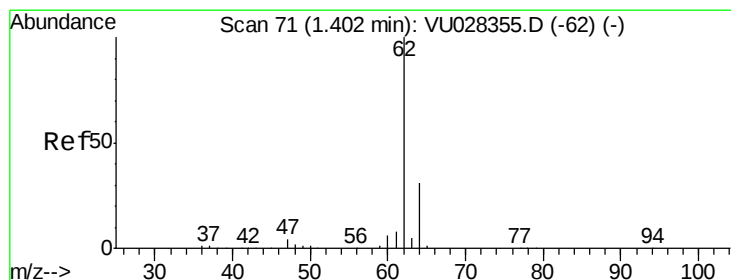
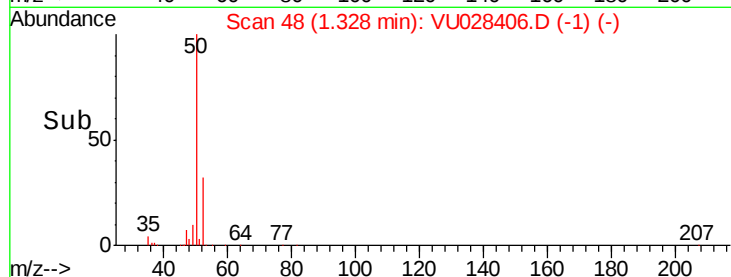
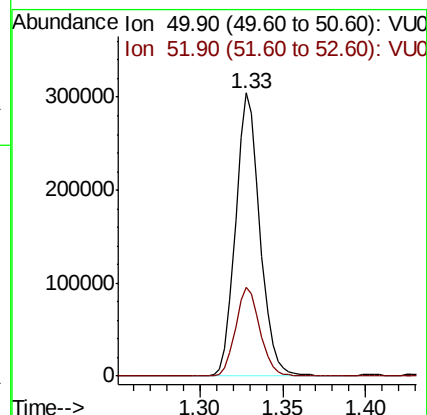
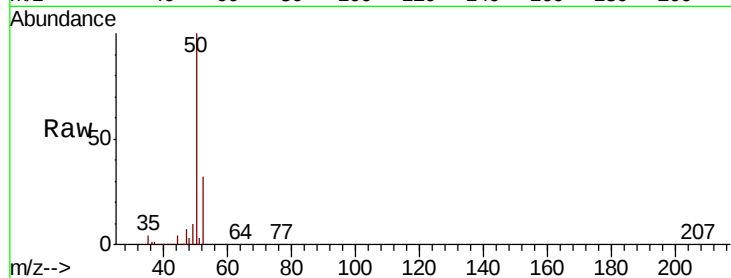
VSTDCCC050EC

Tot Ion: 50 Resp: 311011

Ion Ratio Lower Upper

50 100

52 31.6 25.4 38.2



#4

Vinyl Chloride

Concen: 50.636 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028406.D

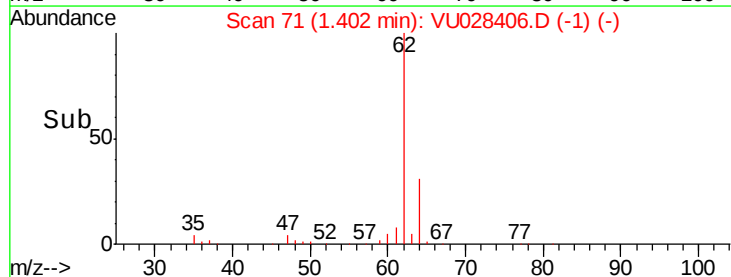
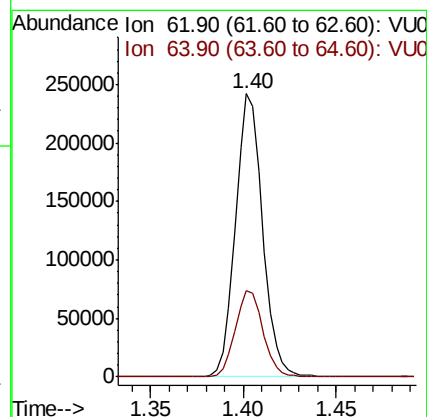
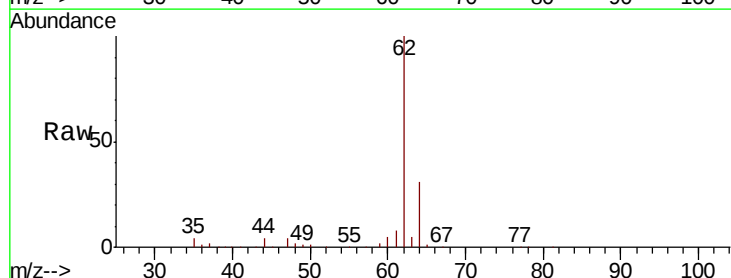
Acq: 29 Nov 2018 20:02

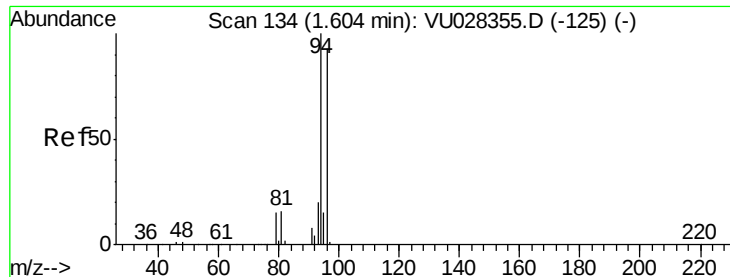
Tgt Ion: 62 Resp: 244839

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 41.163 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

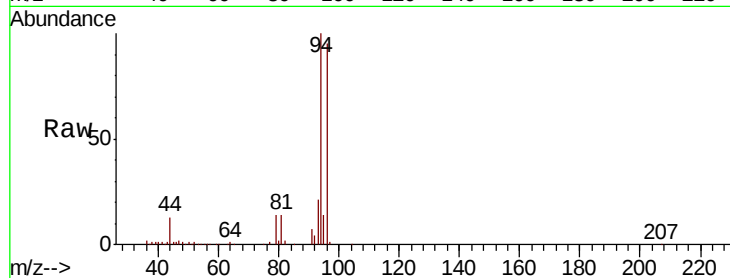
VSTDCCC050EC

Tot Ion: 94 Resp: 76979

Ion Ratio Lower Upper

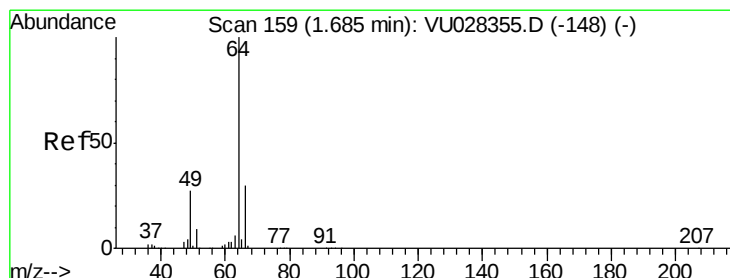
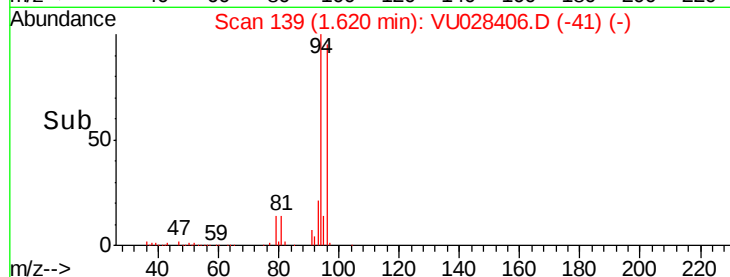
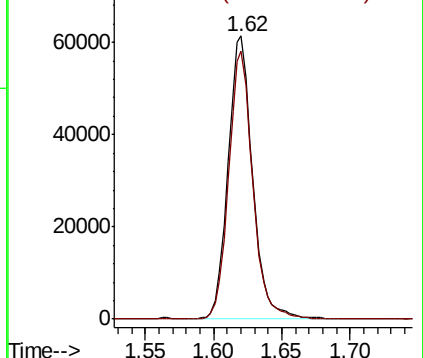
94 100

96 94.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 49.234 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028406.D

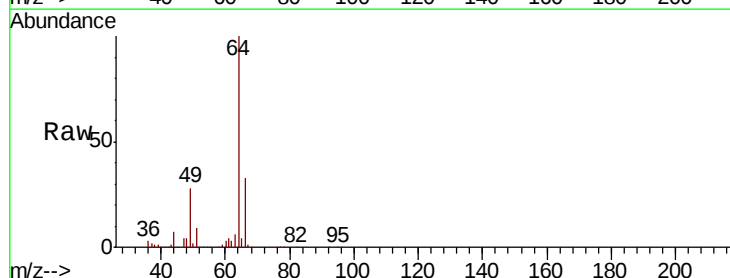
Acq: 29 Nov 2018 20:02

Tgt Ion: 64 Resp: 136985

Ion Ratio Lower Upper

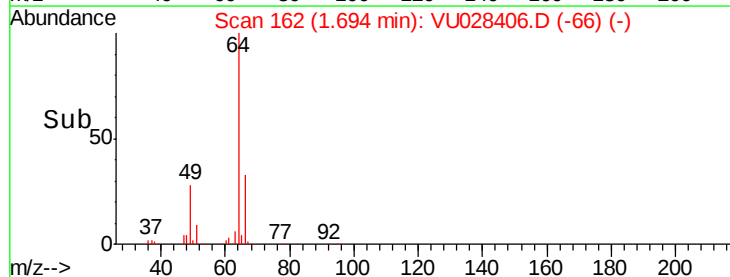
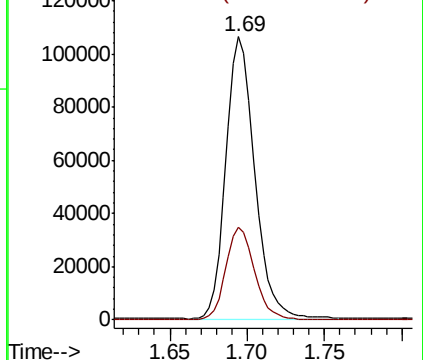
64 100

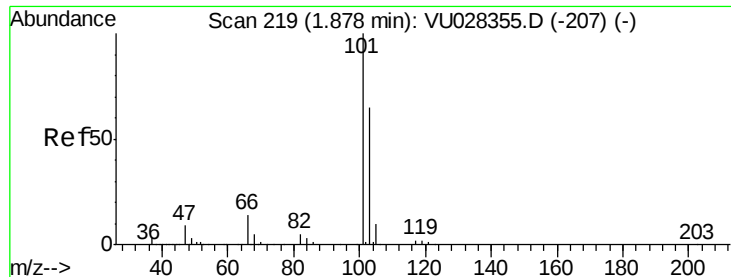
66 32.8 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



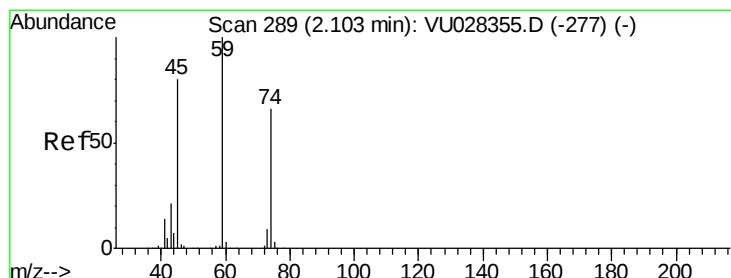
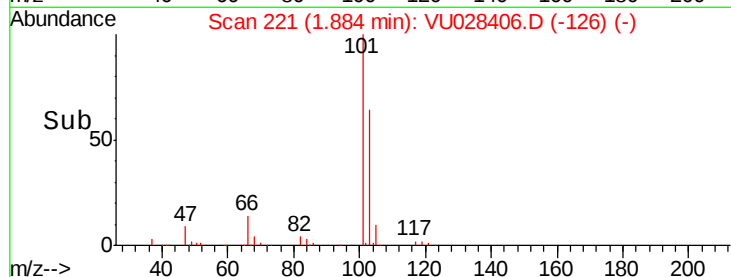
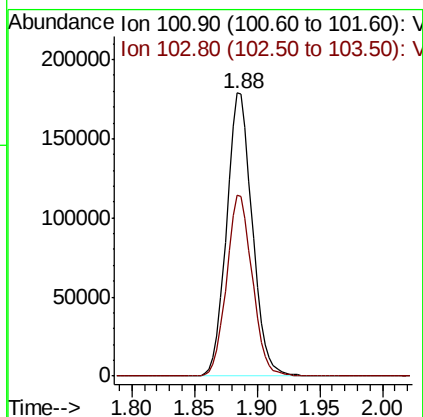
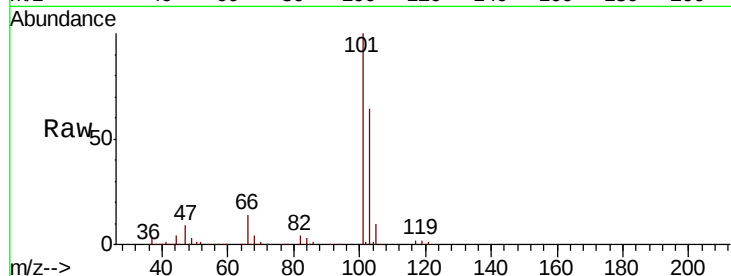


#7

Trichlorofluoromethane
Concen: 50.957 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

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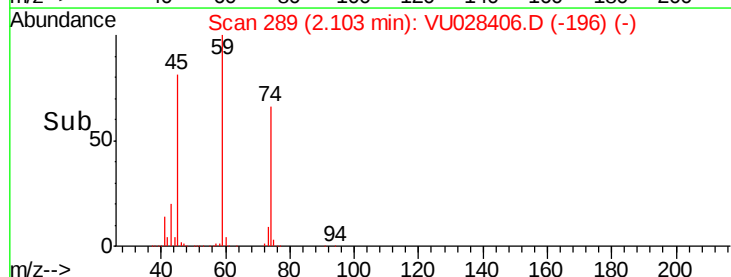
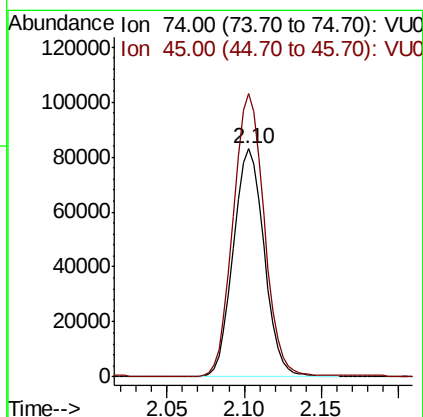
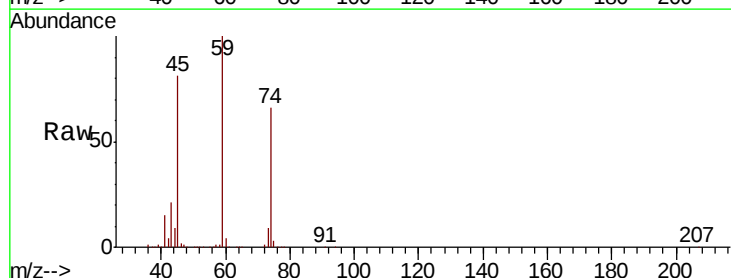
Tot Ion:101 Resp: 255935
Ion Ratio Lower Upper
101 100
103 63.8 51.6 77.4

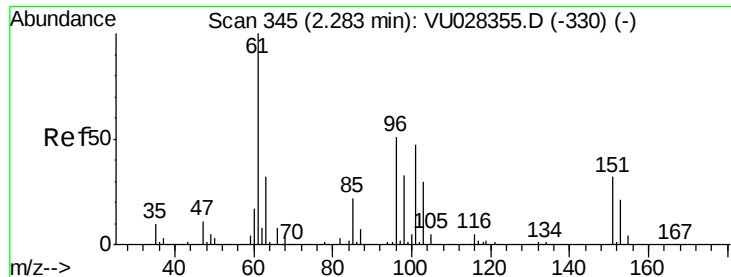


#8

Diethyl Ether
Concen: 49.195 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 74 Resp: 114861
Ion Ratio Lower Upper
74 100
45 124.5 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.449 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

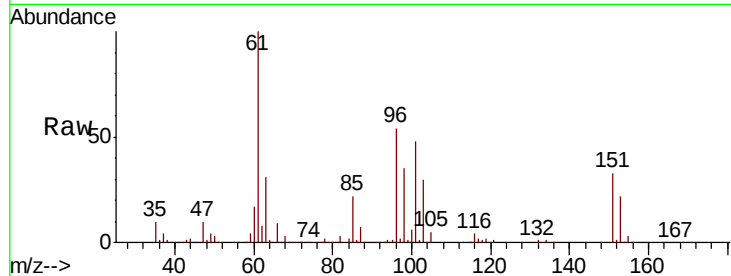
Tot Ion:101 Resp: 150530

Ion Ratio Lower Upper

101 100

85 46.1 37.2 55.8

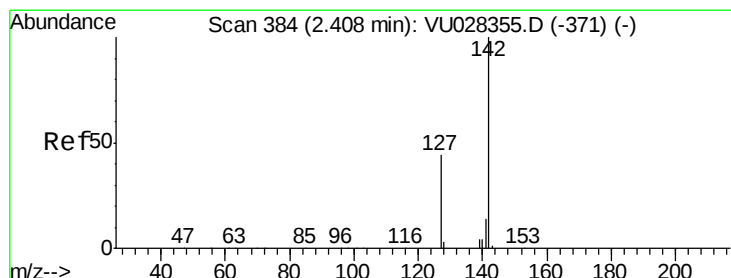
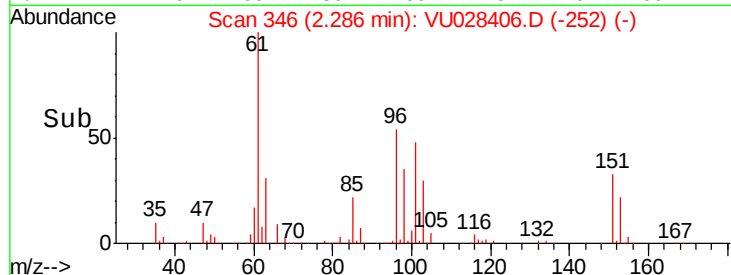
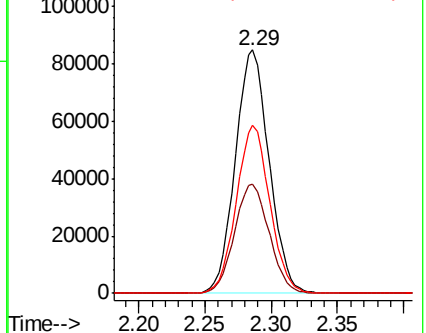
151 68.3 55.4 83.0



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: 46.221 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

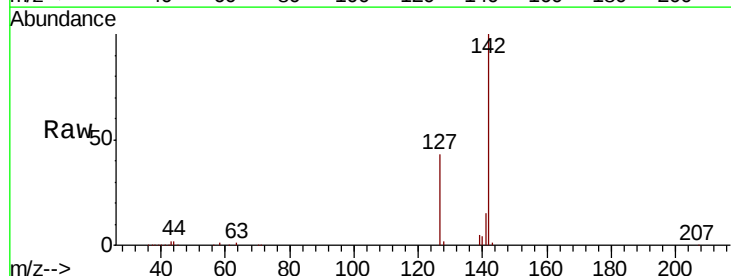
Tgt Ion:142 Resp: 127527

Ion Ratio Lower Upper

142 100

127 43.2 35.0 52.6

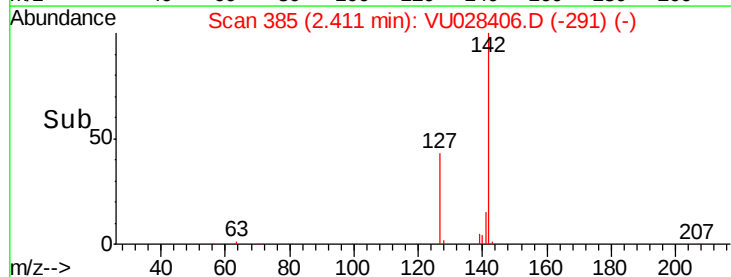
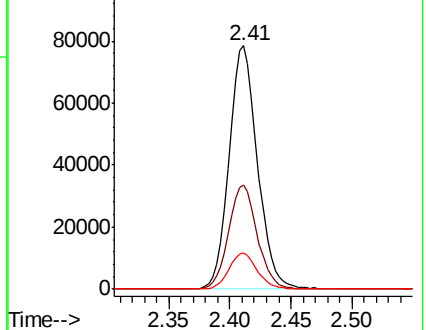
141 14.8 11.2 16.8

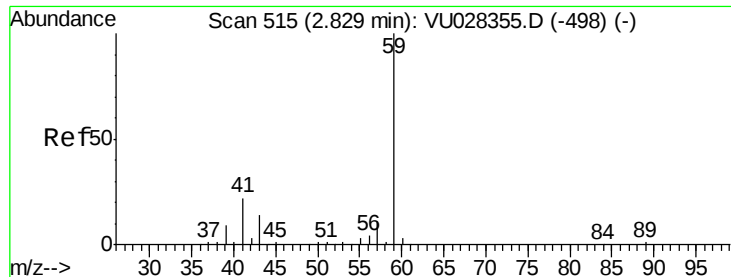


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



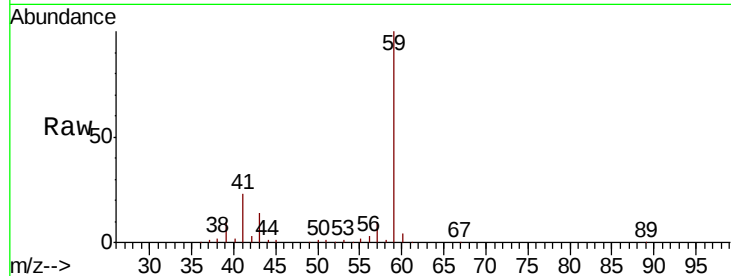


#11

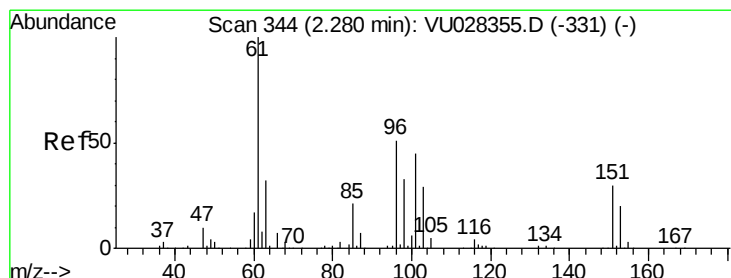
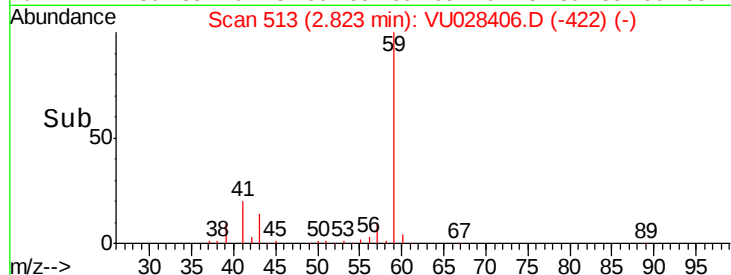
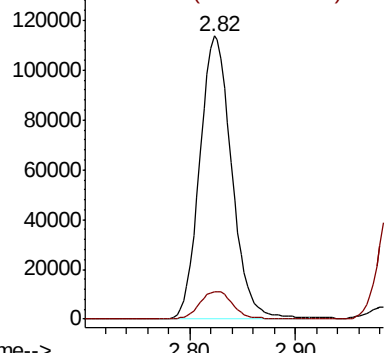
Tert butyl alcohol
 Concen: 236.944 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 239102
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5



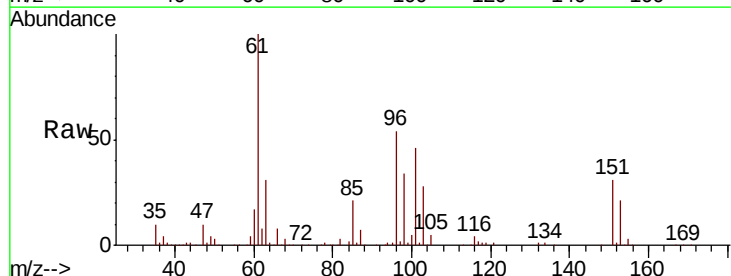
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



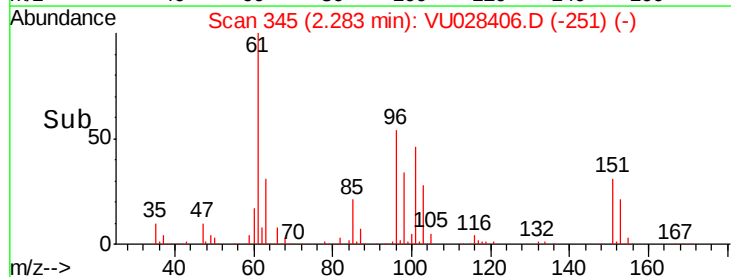
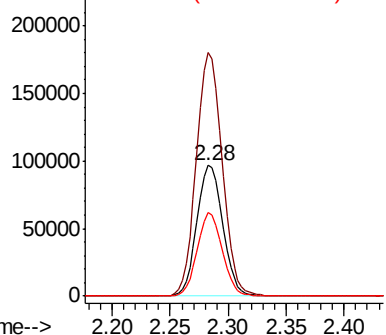
#12

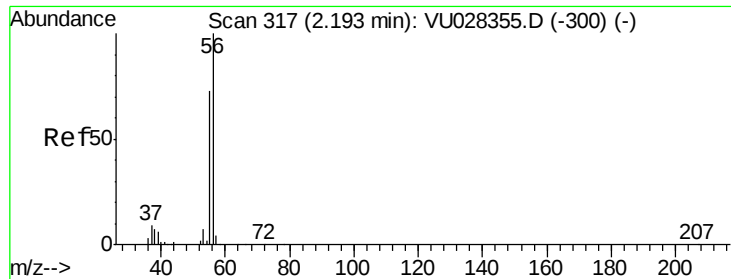
1,1-Dichloroethene
 Concen: 52.643 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 96 Resp: 149472
 Ion Ratio Lower Upper
 96 100
 61 186.5 158.1 237.1
 98 63.6 51.4 77.2



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

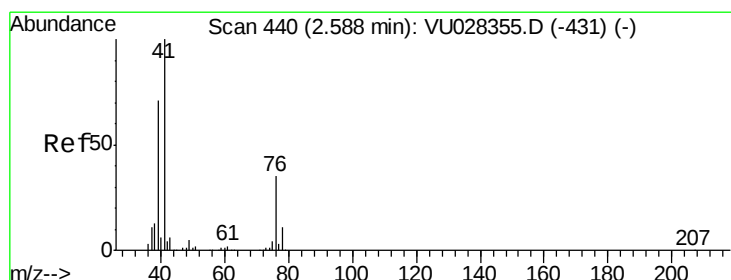
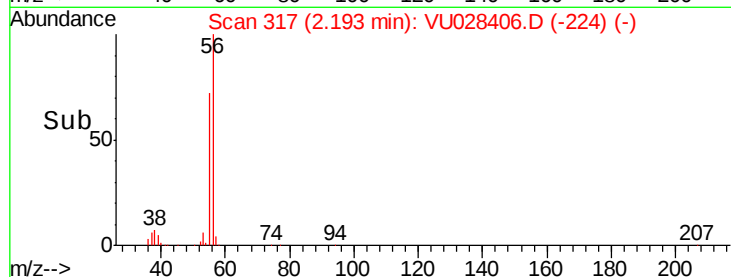
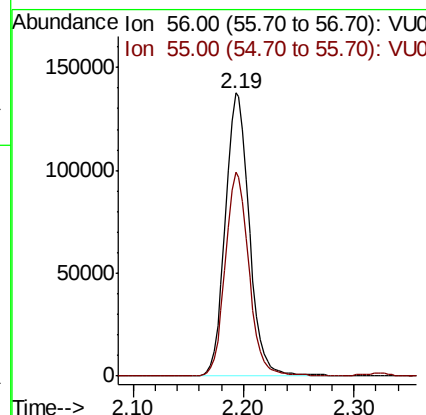
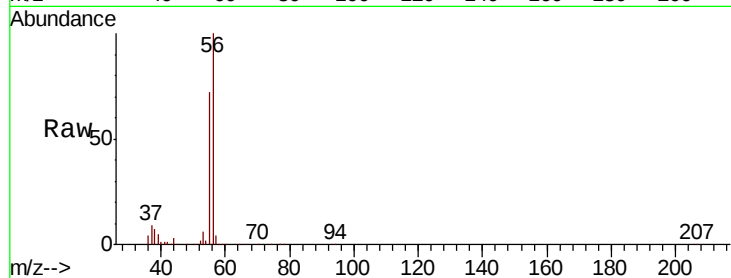




#13
Acrolein
Concen: 231.717 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

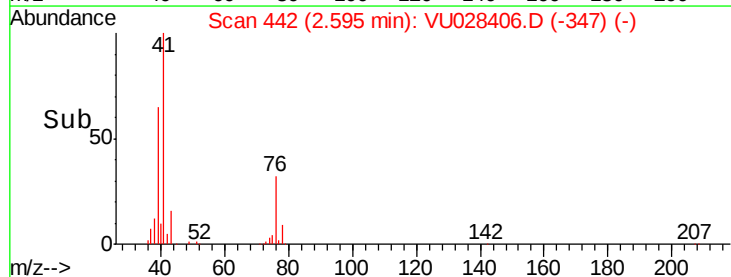
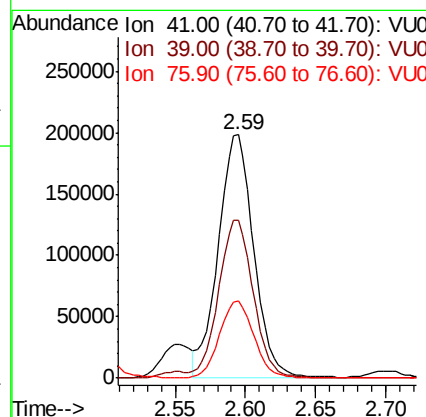
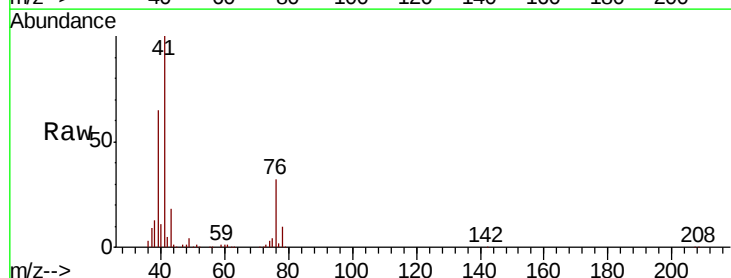
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

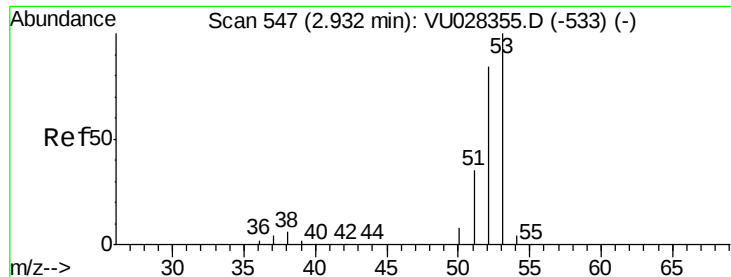
Tot Ion: 56 Resp: 207877
Ion Ratio Lower Upper
56 100
55 70.8 56.6 85.0



#14
Allyl chloride
Concen: 46.716 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.01 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 41 Resp: 346558
Ion Ratio Lower Upper
41 100
39 63.2 51.6 77.4
76 30.7 24.4 36.6





#15

Acrylonitrile

Concen: 259.481 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

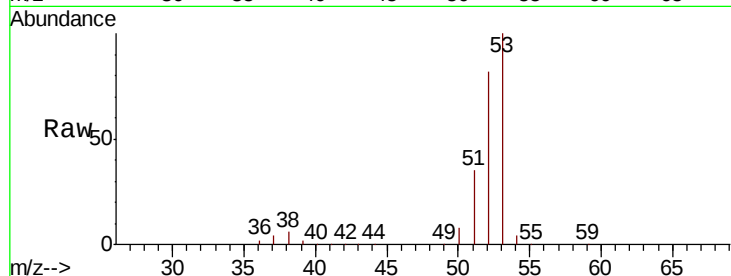
Tot Ion: 53 Resp: 692630

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

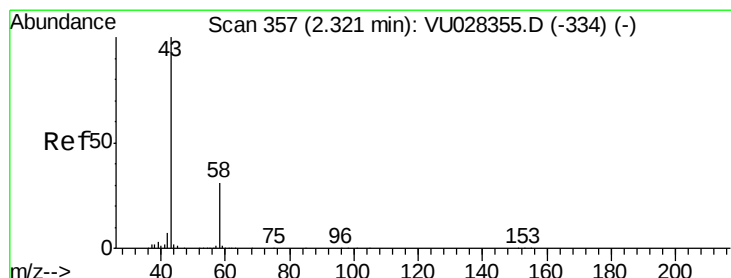
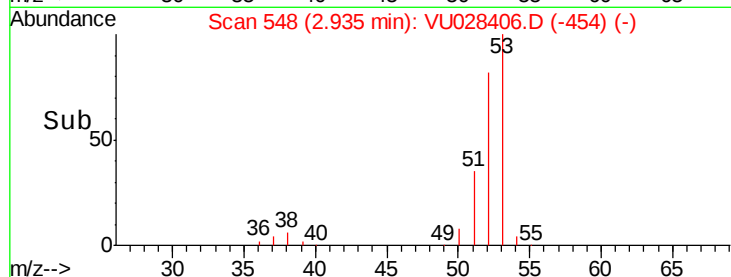
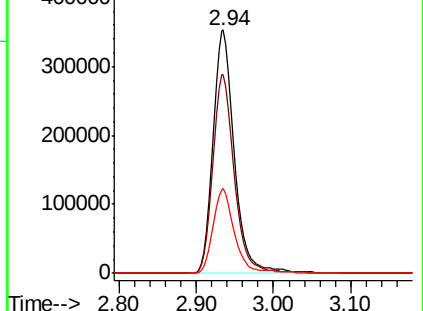
51 35.2 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 210.402 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028406.D

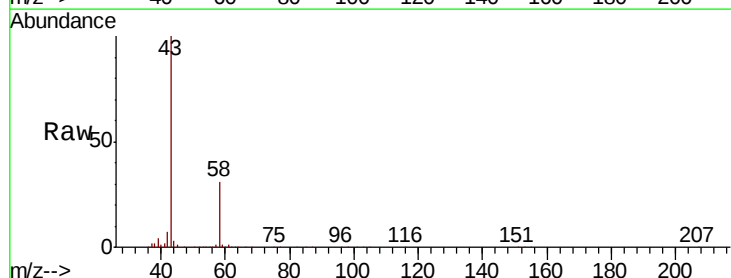
Acq: 29 Nov 2018 20:02

Tgt Ion: 43 Resp: 571703

Ion Ratio Lower Upper

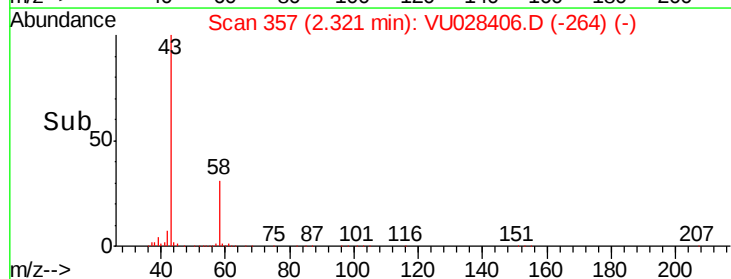
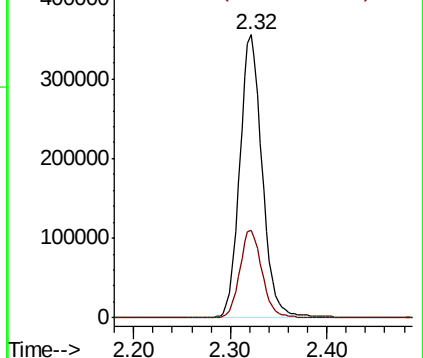
43 100

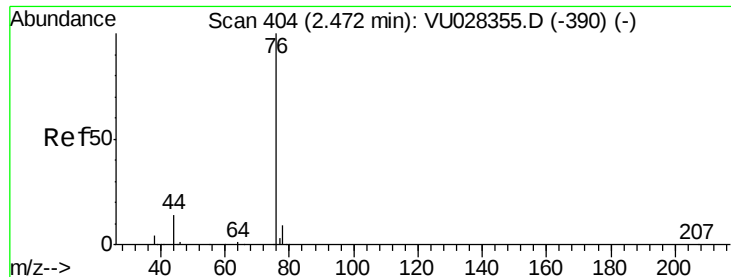
58 30.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

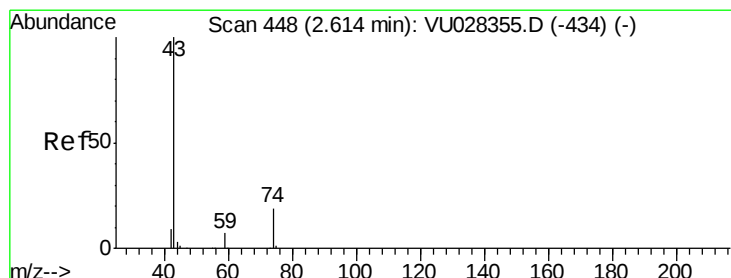
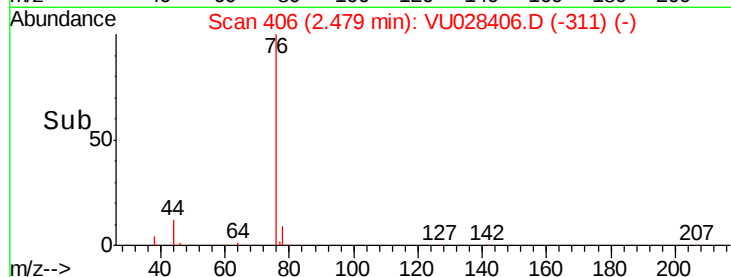
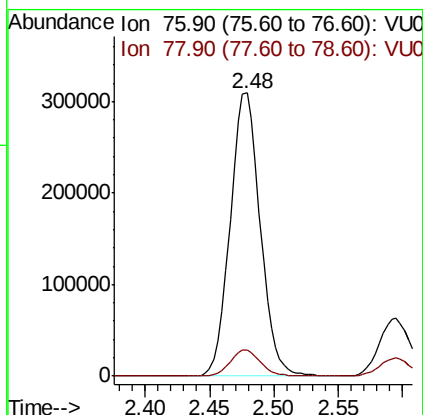
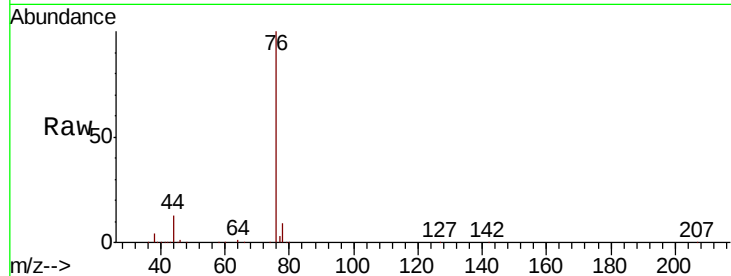




#17
Carbon Disulfide
Concen: 45.907 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

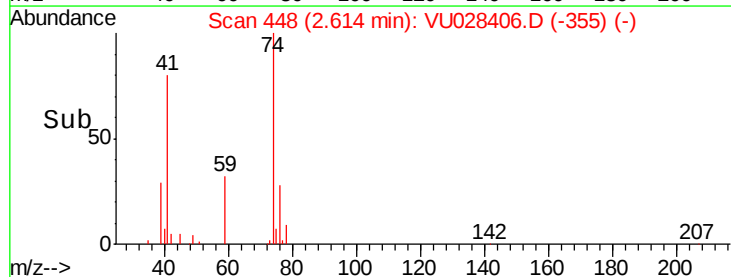
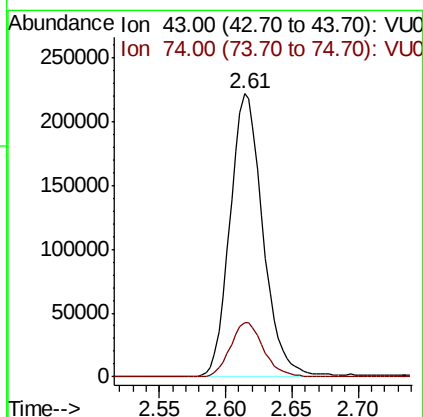
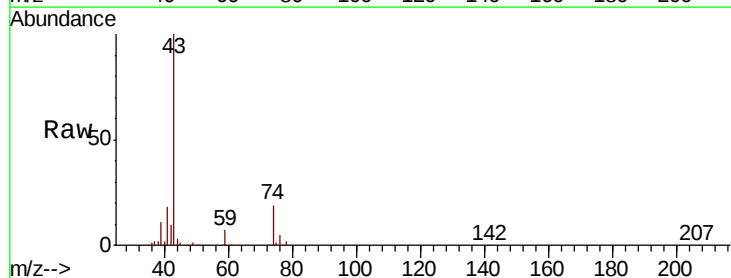
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

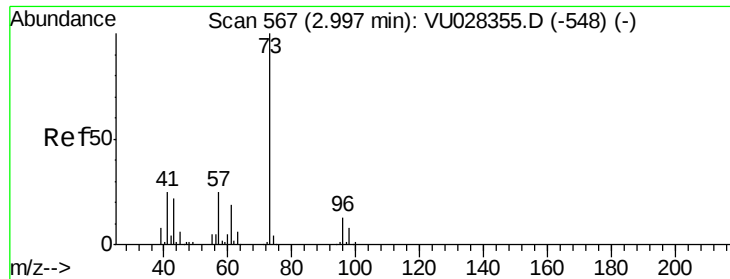
Tot Ion: 76 Resp: 500315
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 50.418 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 43 Resp: 381429
Ion Ratio Lower Upper
43 100
74 19.5 15.3 22.9

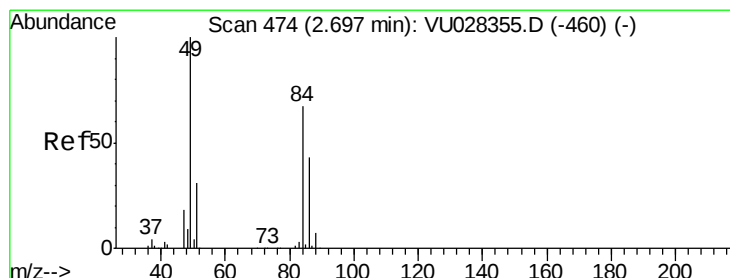
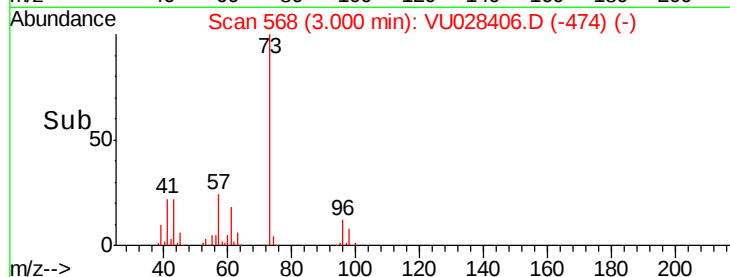
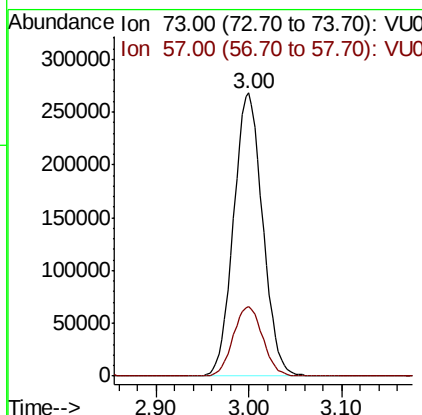
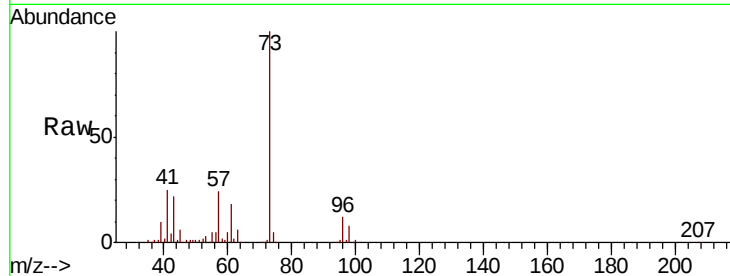




#19
Methvl tert-butvl Ether
Concen: 50.086 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

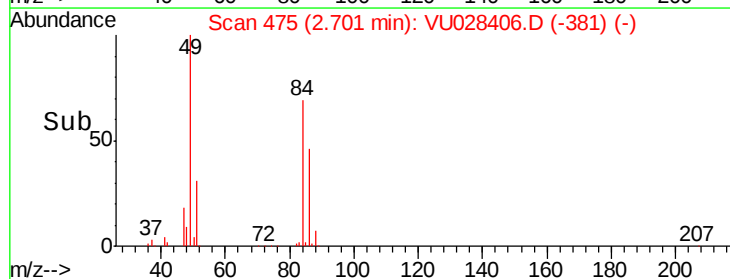
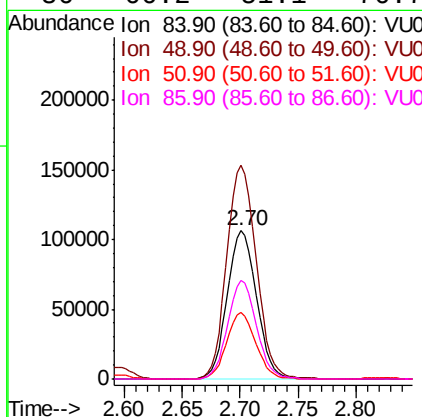
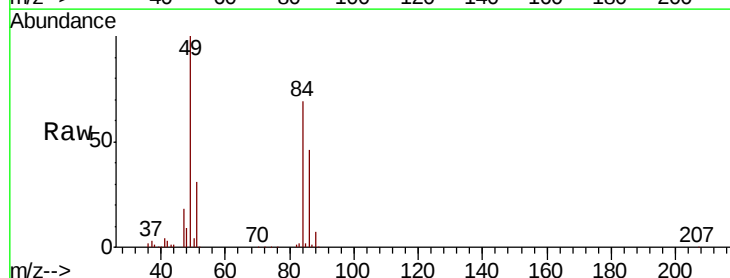
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

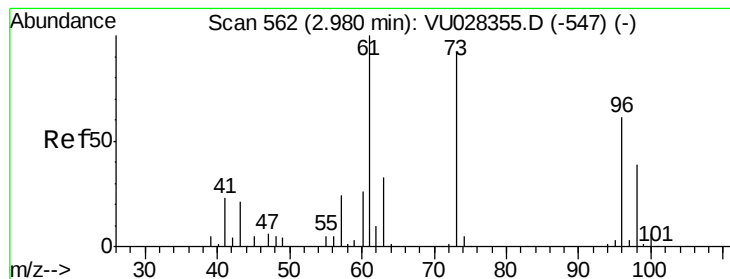
Tot Ion: 73 Resp: 583031
Ion Ratio Lower Upper
73 100
57 24.5 20.1 30.1



#20
Methylene Chloride
Concen: 48.577 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 84 Resp: 186181
Ion Ratio Lower Upper
84 100
49 144.1 120.0 180.0
51 44.7 36.9 55.3
86 66.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.983 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

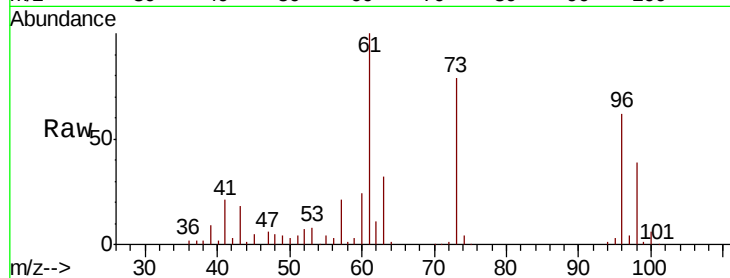
Tot Ion: 96 Resp: 164590

Ion Ratio Lower Upper

96 100

61 162.6 131.1 196.7

98 63.1 51.7 77.5

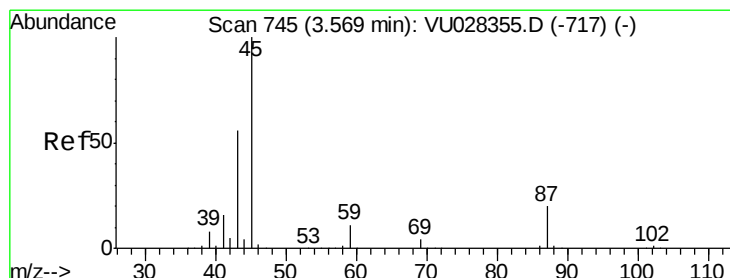
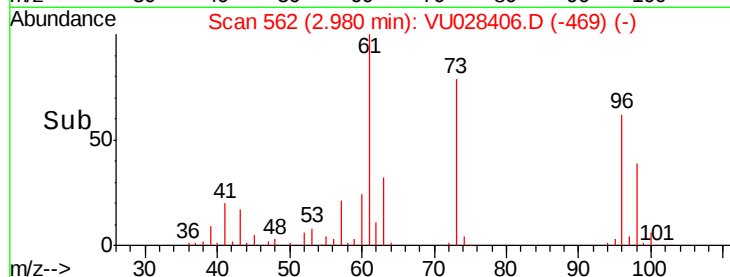
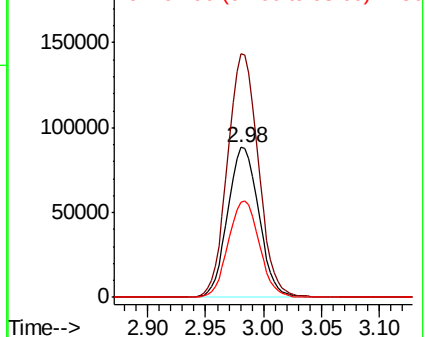


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.725 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion: 45 Resp: 740836

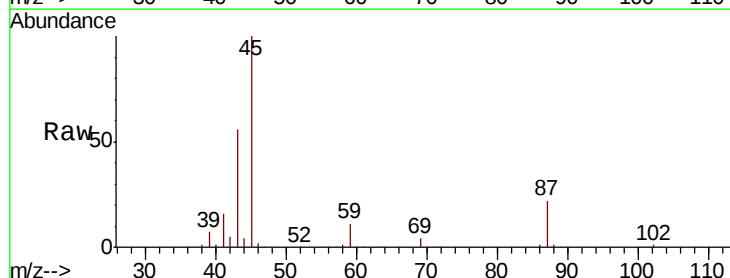
Ion Ratio Lower Upper

45 100

43 55.5 44.8 67.2

87 21.8 16.3 24.5

59 10.7 8.6 12.8



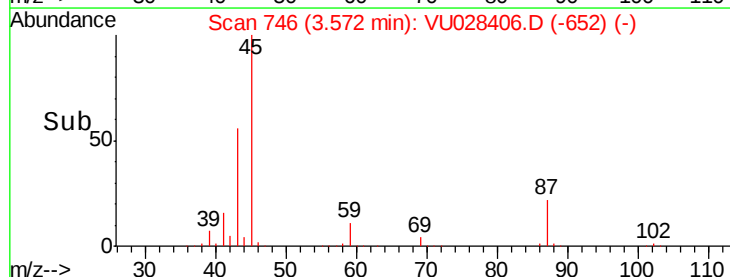
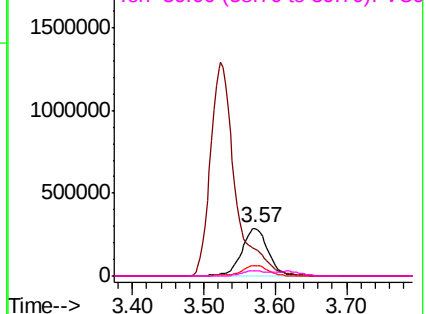
Abundance

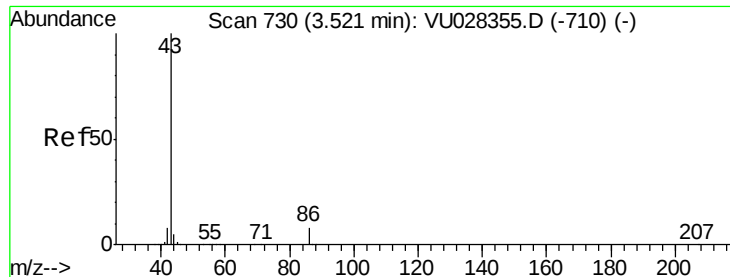
Ion 45.00 (44.70 to 45.70): VU0

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: 255.271 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

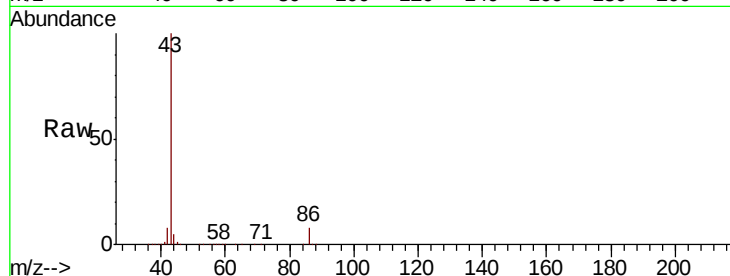
VSTDCCC050EC

Tot Ion: 43 Resp: 3098978

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028406.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028406.D (-637) (-)

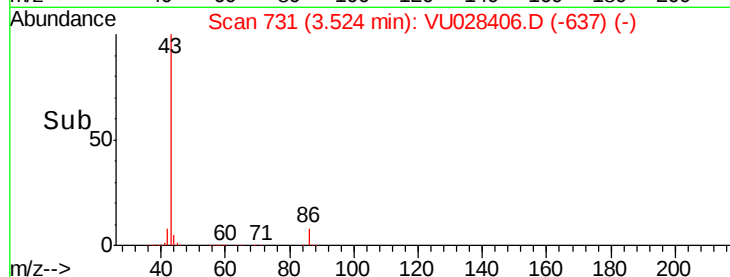
1500000

1000000

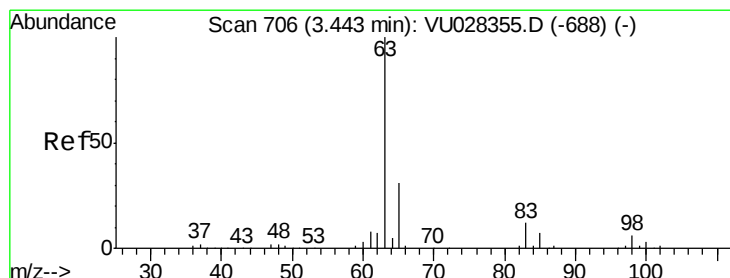
500000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 50.448 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

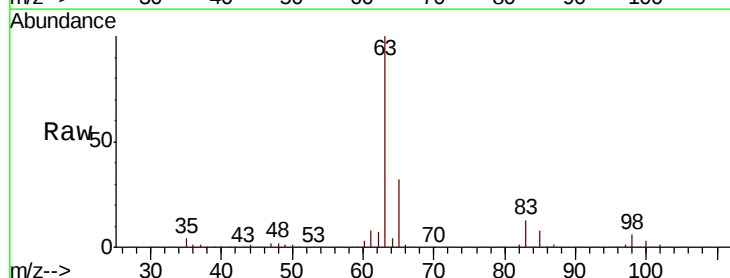
Tgt Ion: 63 Resp: 363271

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028406.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028406.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028406.D (-613) (-)

200000

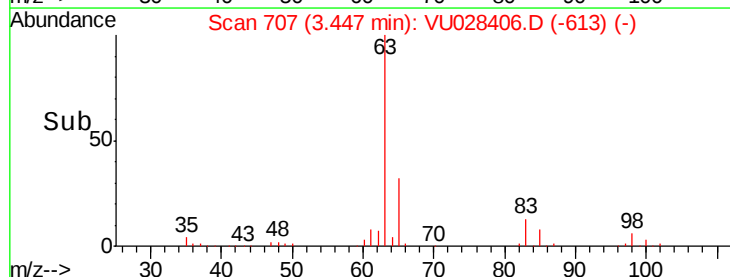
150000

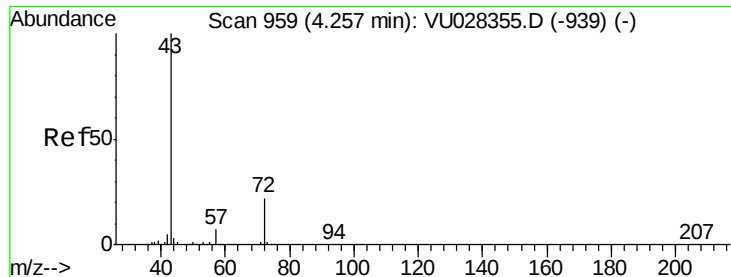
100000

50000

0

Time-->

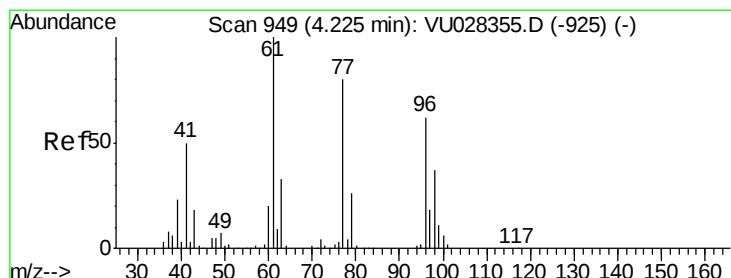
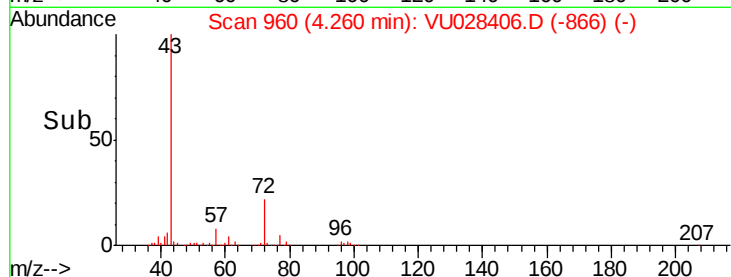
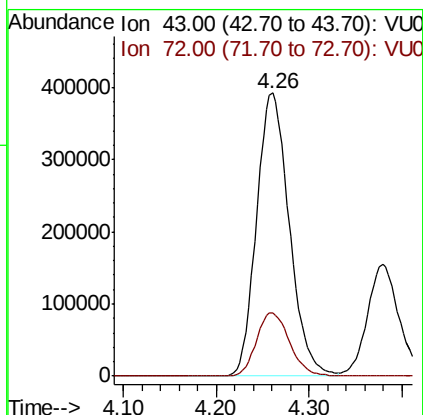
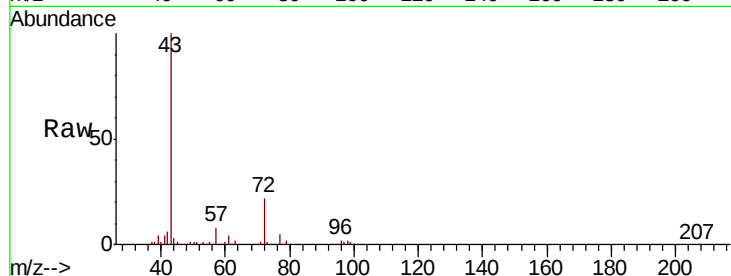




#25
2-Butanone
Concen: 246.424 ug/l
RT: 4.26 min Scan# 960
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

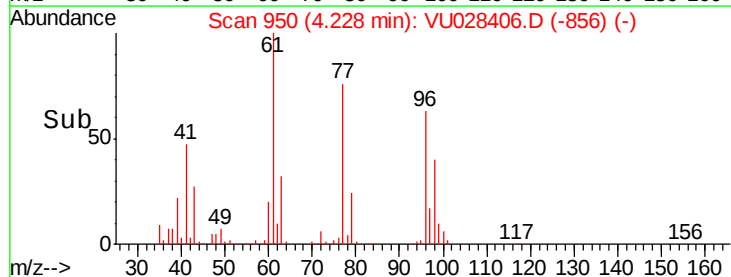
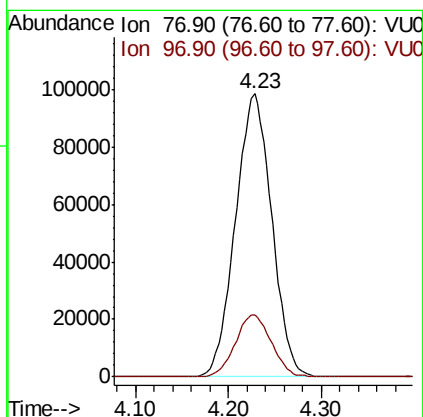
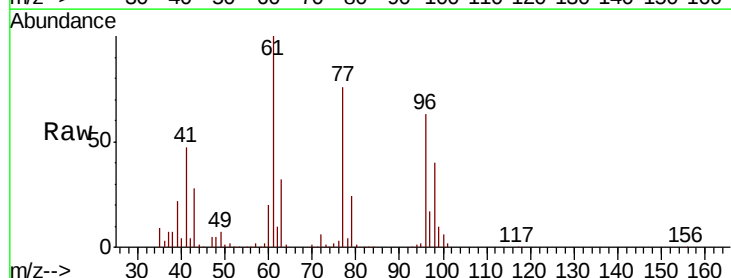
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

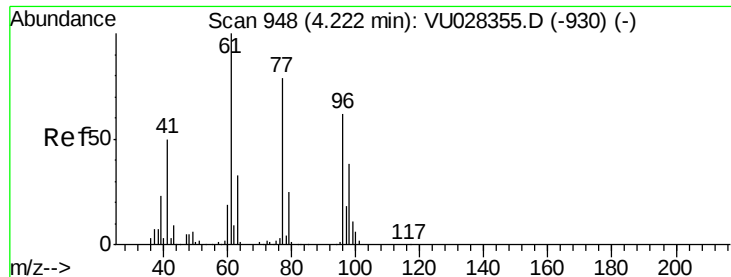
Tot Ion: 43 Resp: 959615
Ion Ratio Lower Upper
43 100
72 22.1 17.7 26.5



#26
2,2-Dichloropropane
Concen: 46.749 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 77 Resp: 267350
Ion Ratio Lower Upper
77 100
97 21.8 10.7 32.1



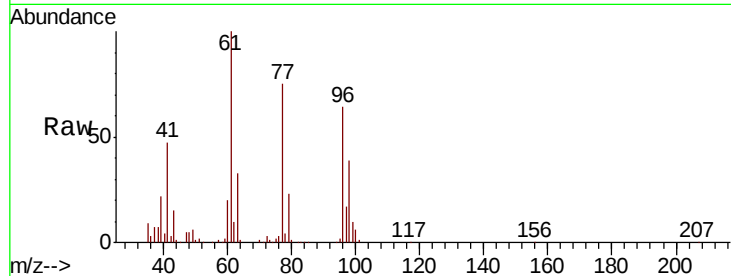


#27

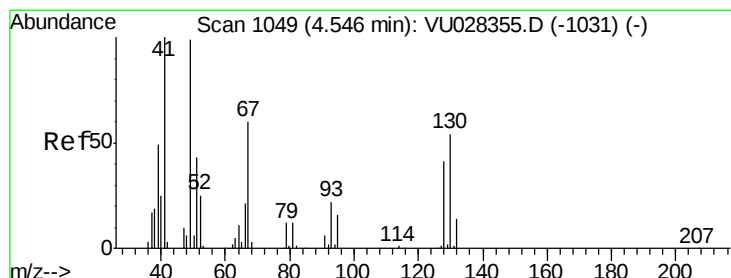
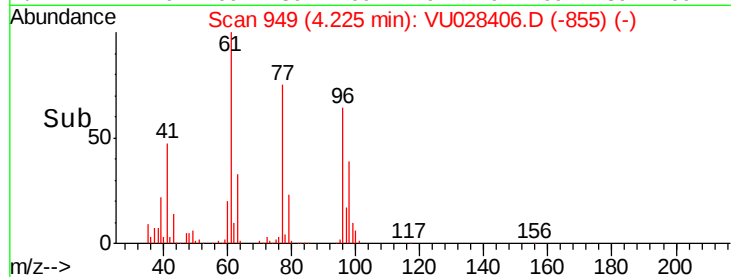
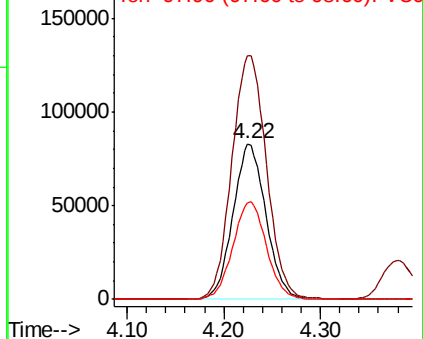
cis-1,2-Dichloroethene
 Concen: 50.300 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	342.0
98	64.0	0.0	126.4



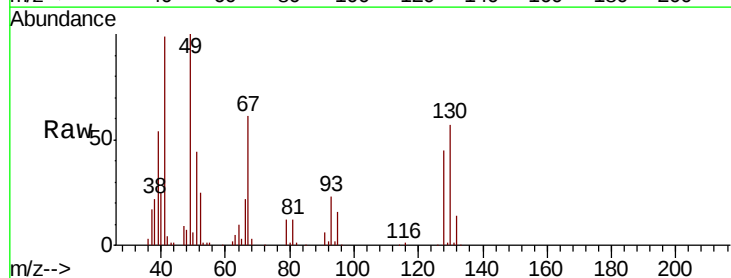
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



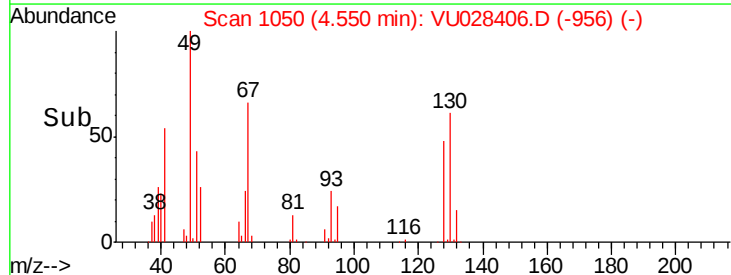
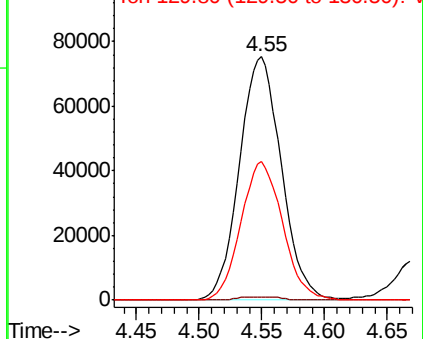
#28

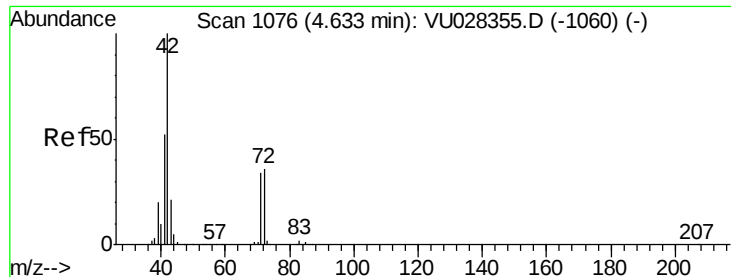
Bromochloromethane
 Concen: 48.616 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	56.8	44.5	66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

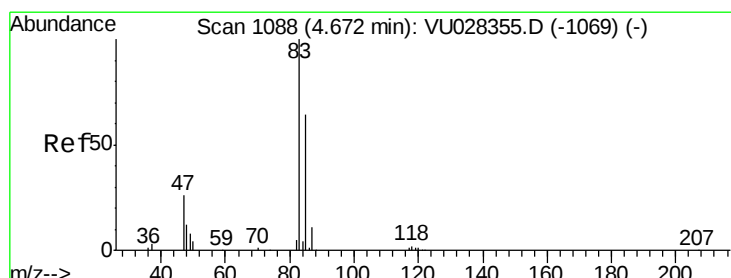
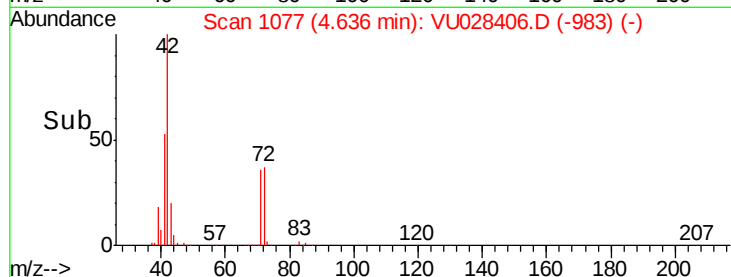
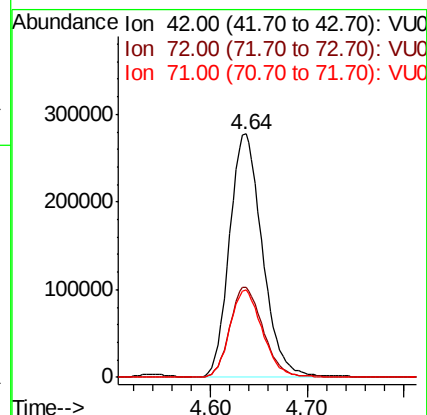
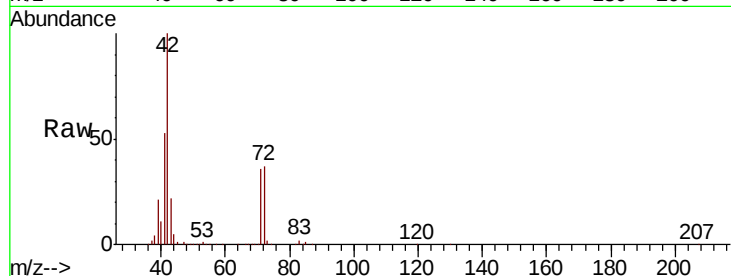




#29
Tetrahydrofuran
Concen: 258.852 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

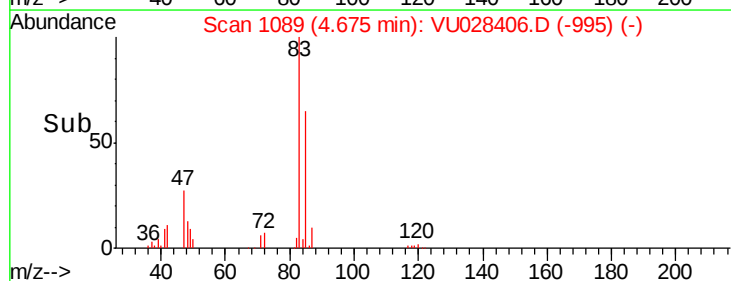
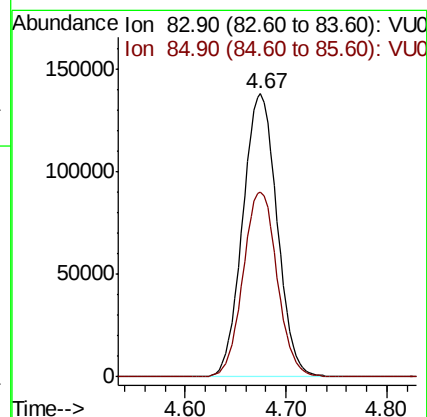
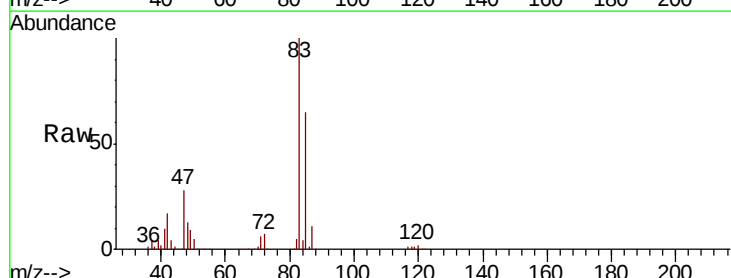
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

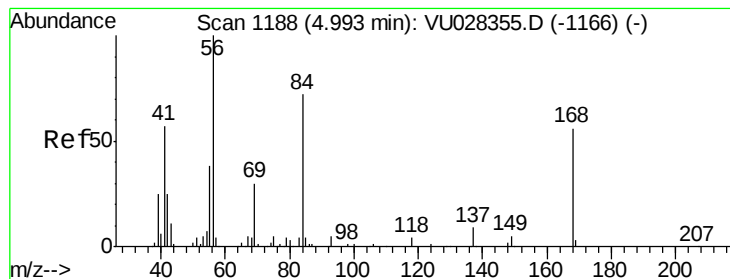
Tot Ion: 42 Resp: 654468
Ion Ratio Lower Upper
42 100
72 37.6 29.5 44.3
71 35.9 27.7 41.5



#30
Chloroform
Concen: 49.054 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 83 Resp: 326041
Ion Ratio Lower Upper
83 100
85 65.5 51.2 76.8





#31

Cyclohexane

Concen: 48.873 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

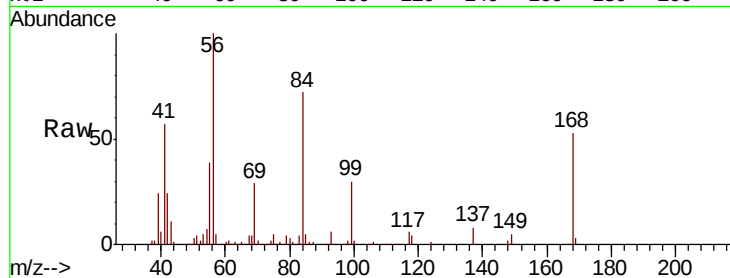
Tot Ion: 56 Resp: 361334

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

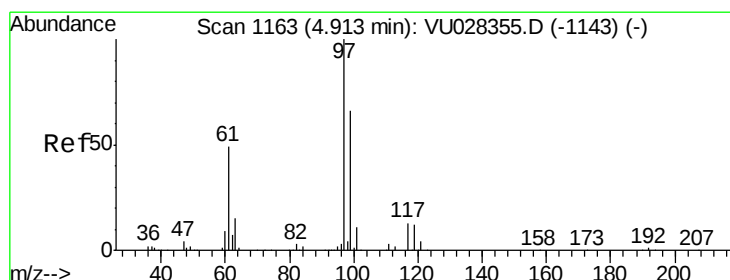
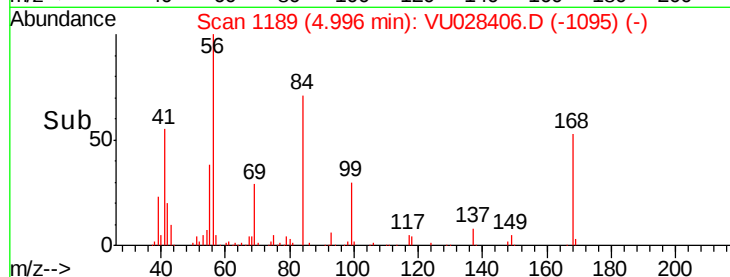
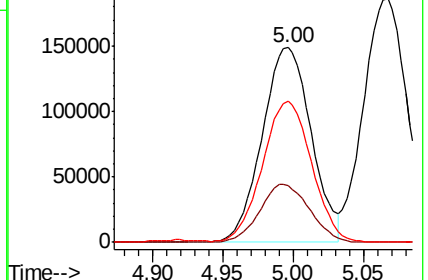
84 71.3 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VU028355.D (-1166) (-)

Ion 69.00 (68.70 to 69.70): VU028355.D (-1166) (-)

Ion 84.00 (83.70 to 84.70): VU028355.D (-1166) (-)



#32

1,1,1-Trichloroethane

Concen: 50.224 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

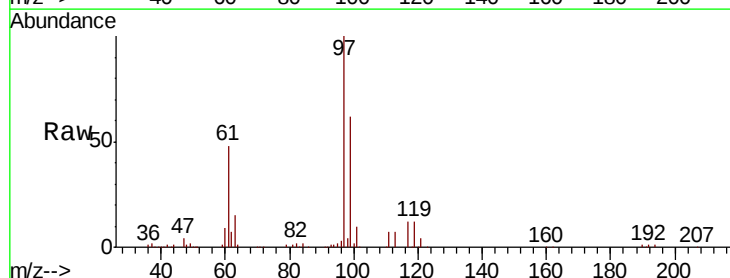
Tgt Ion: 97 Resp: 267860

Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

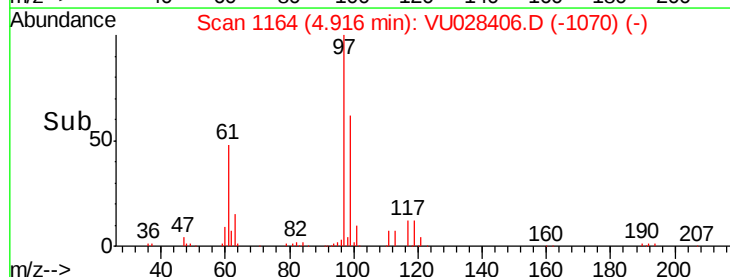
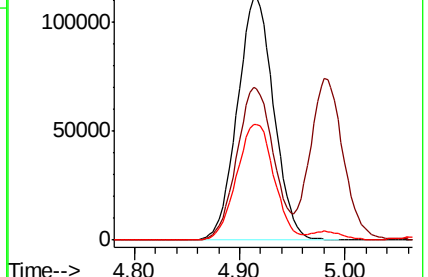
61 49.1 39.1 58.7

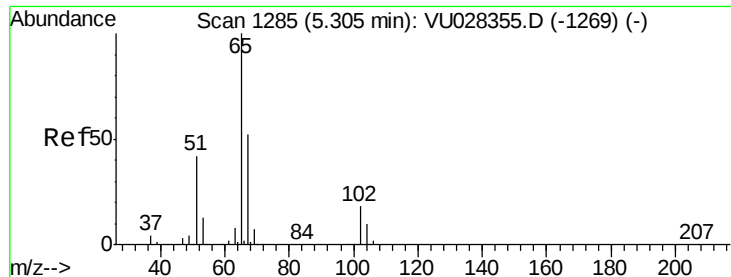


Abundance Ion 96.90 (96.60 to 97.60): VU028355.D (-1143) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1143) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-1143) (-)

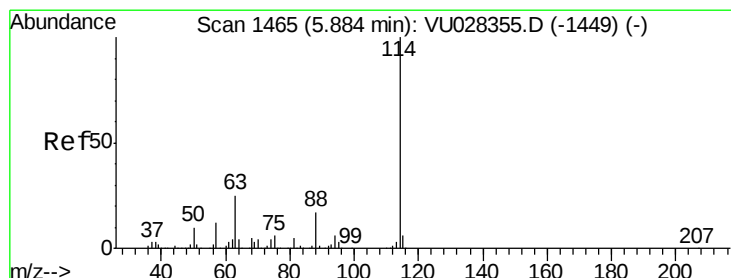
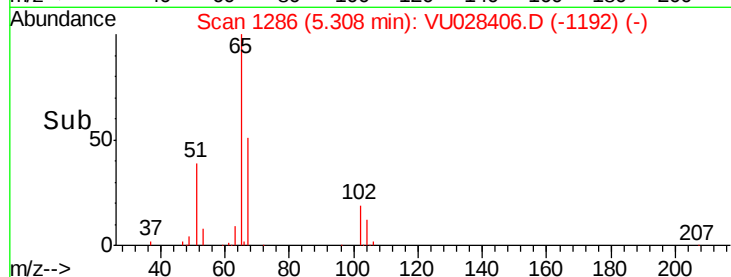
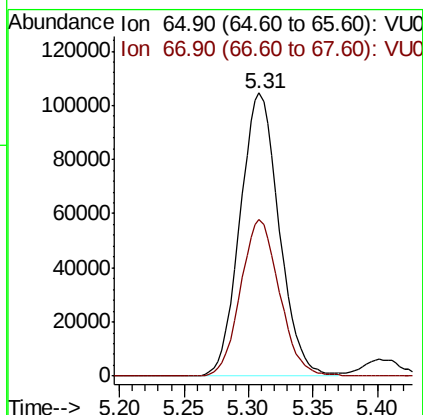
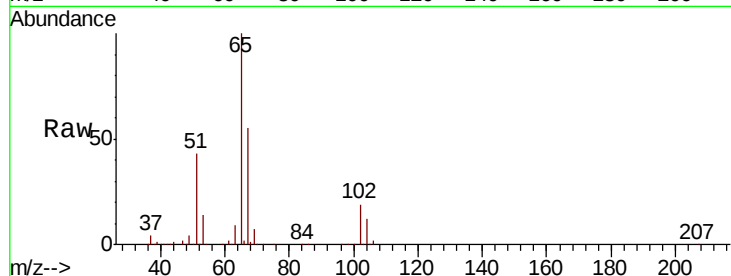




#33
 1,2-Dichloroethane-d4
 Concen: 49.643 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

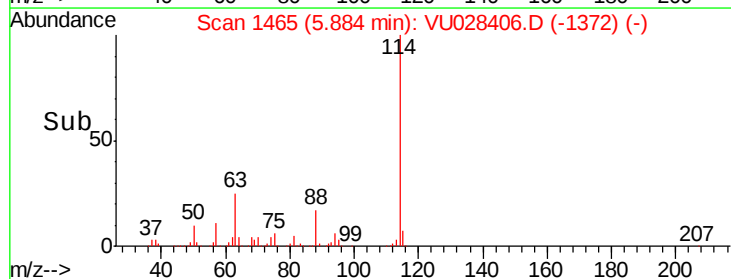
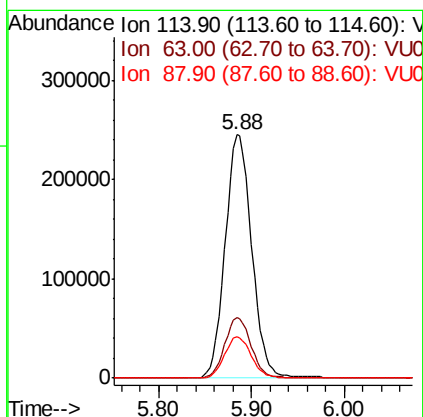
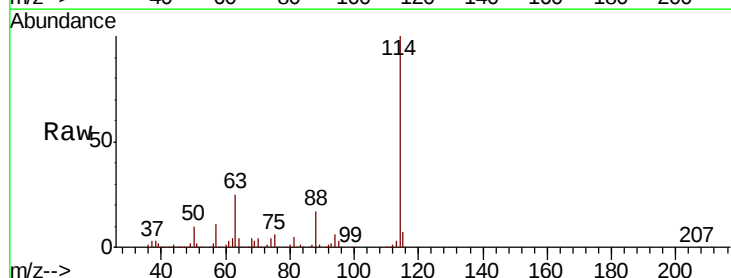
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

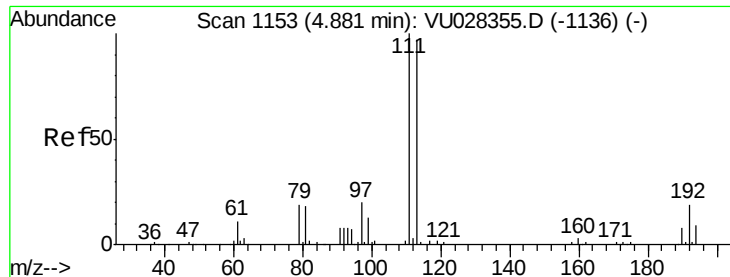
Tot Ion: 65 Resp: 220505
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 114 Resp: 488458
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.0
 88 17.0 0.0 34.4

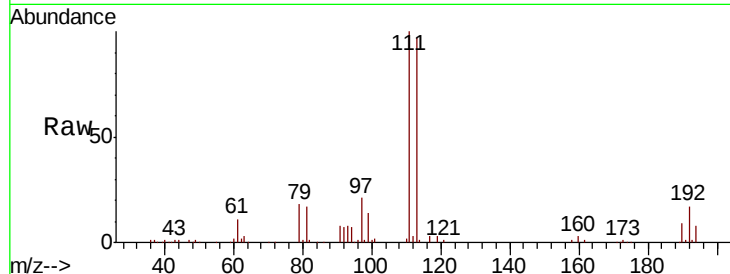




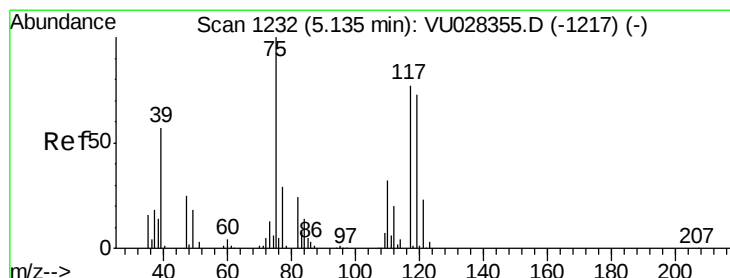
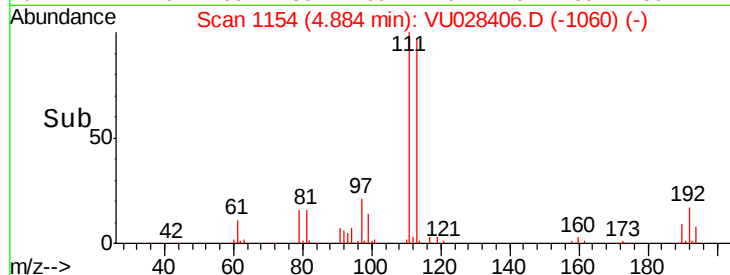
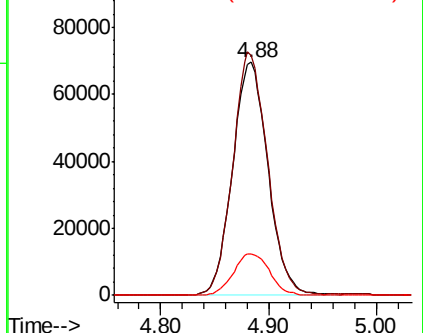
#35
 Dibromofluoromethane
 Concen: 49.110 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 159511
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 18.3 15.4 23.0

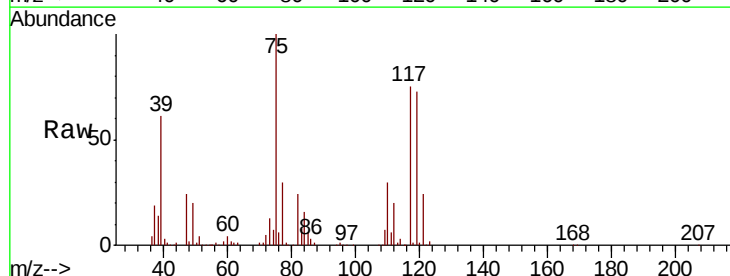


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

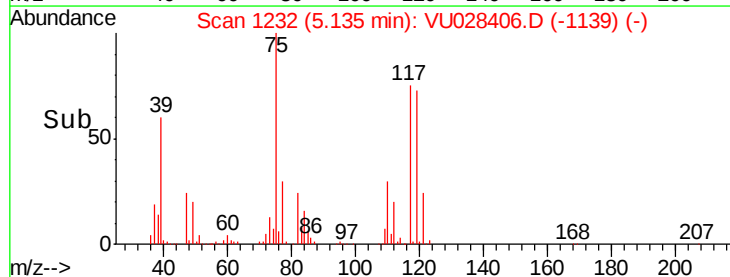
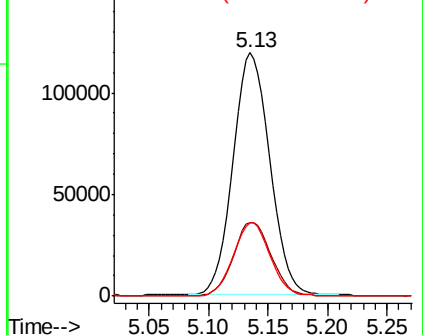


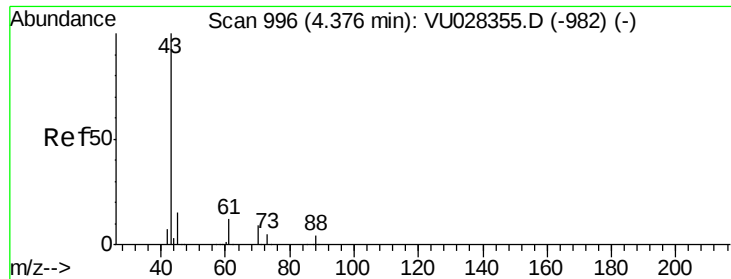
#36
 1,1-Dichloropropene
 Concen: 47.949 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 75 Resp: 256295
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.8 47.4
 77 30.4 24.6 36.8



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

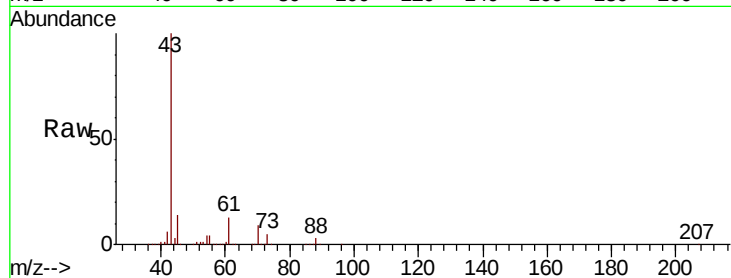




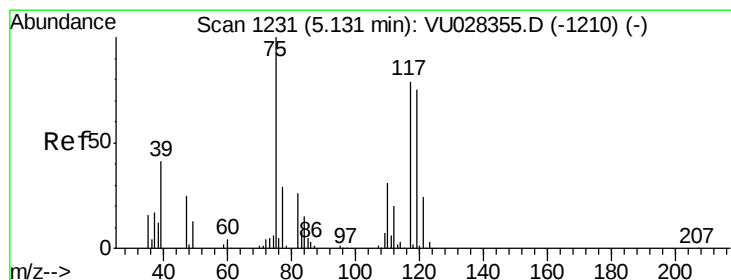
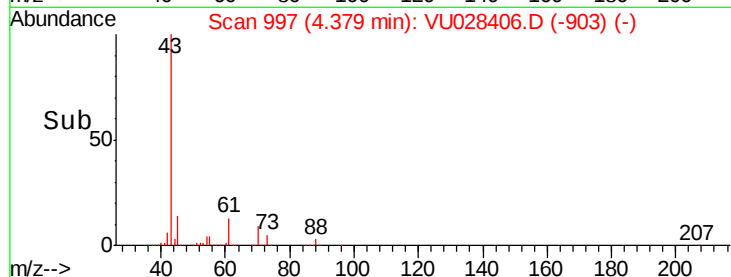
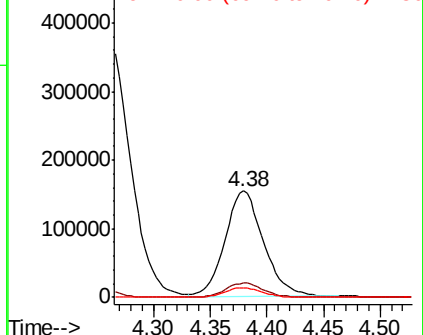
#37
Ethyl Acetate
Concen: 50.111 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 365017
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.4
70 8.7 6.9 10.3

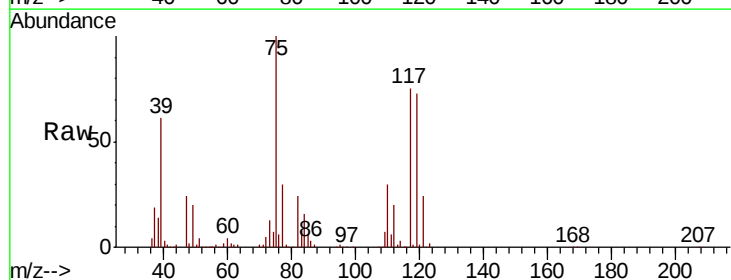


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

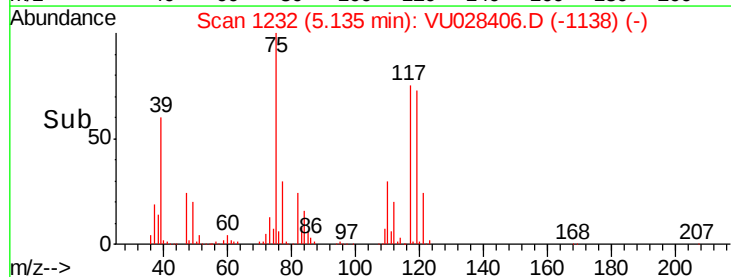
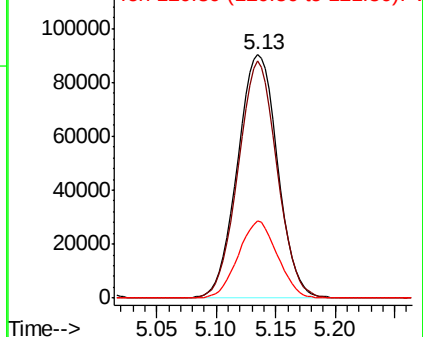


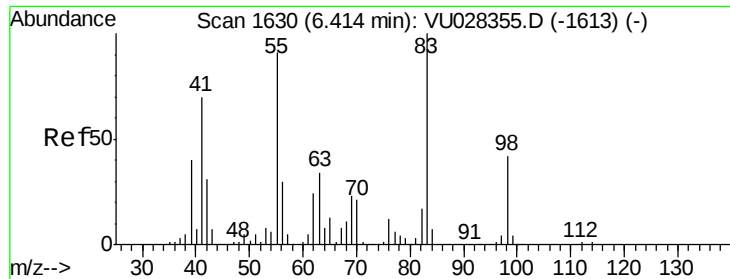
#38
Carbon Tetrachloride
Concen: 48.080 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 117 Resp: 211038
Ion Ratio Lower Upper
117 100
119 97.2 76.3 114.5
121 31.7 24.7 37.1



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

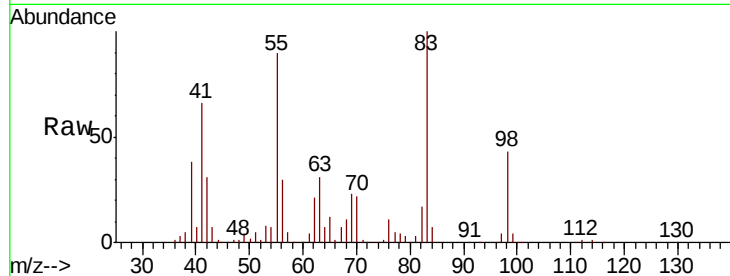




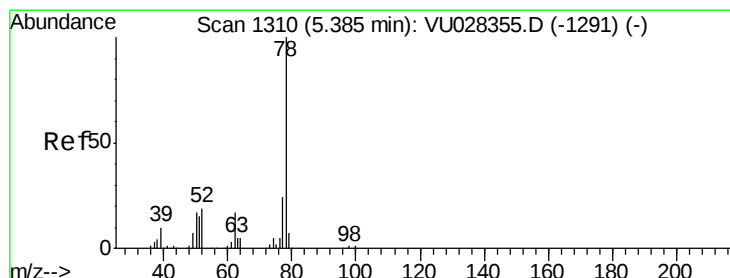
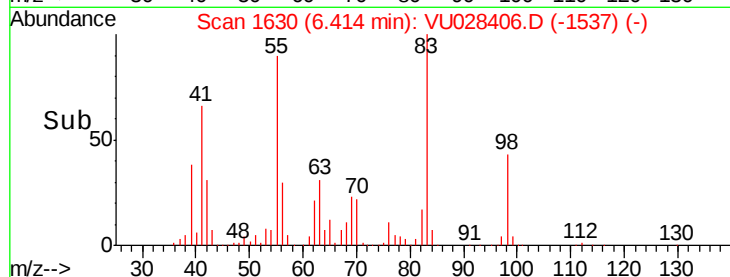
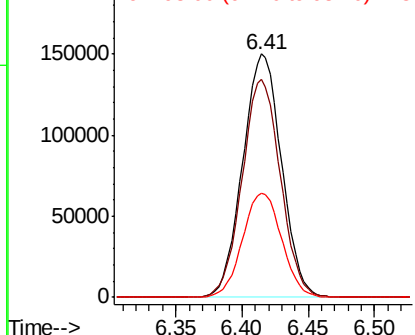
#39
Methvlcvclohexane
Concen: 48.427 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 305183
Ion Ratio Lower Upper
83 100
55 89.7 73.1 109.7
98 42.8 33.9 50.9

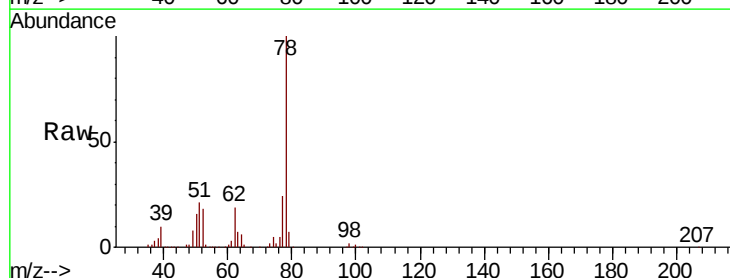


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

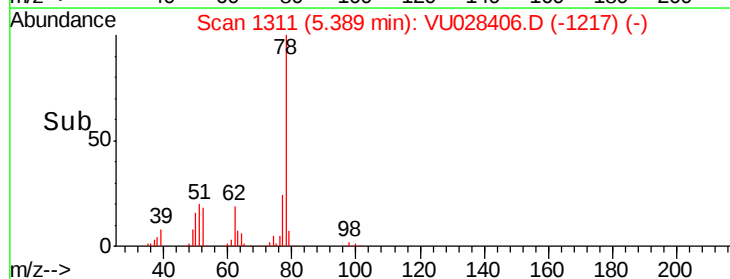
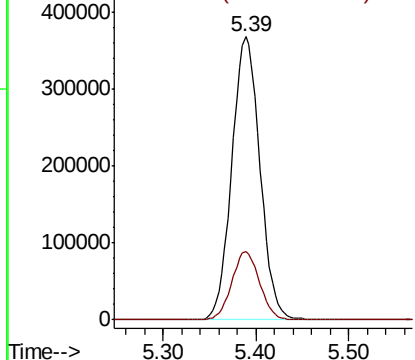


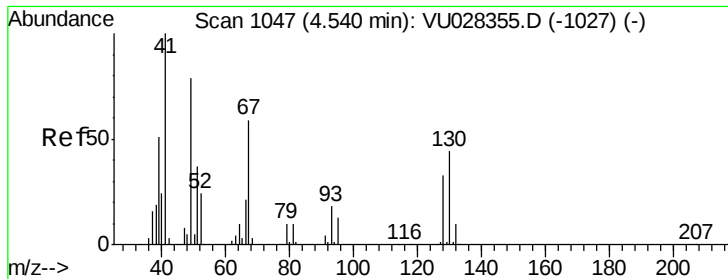
#40
Benzene
Concen: 49.005 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 78 Resp: 775800
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

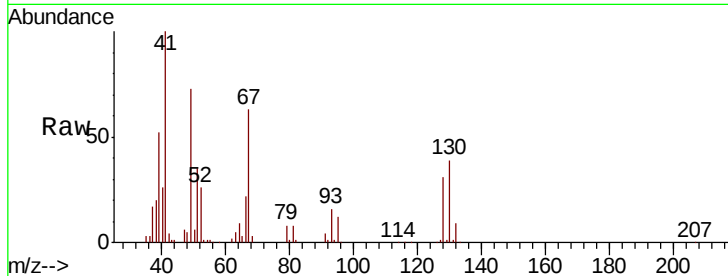




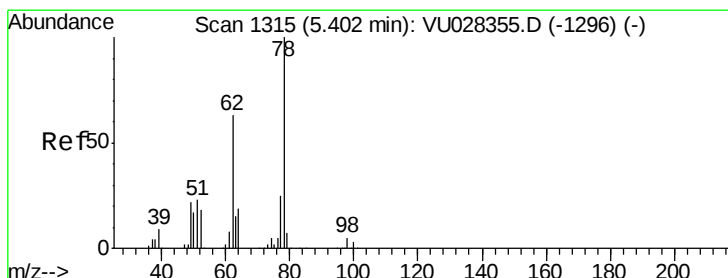
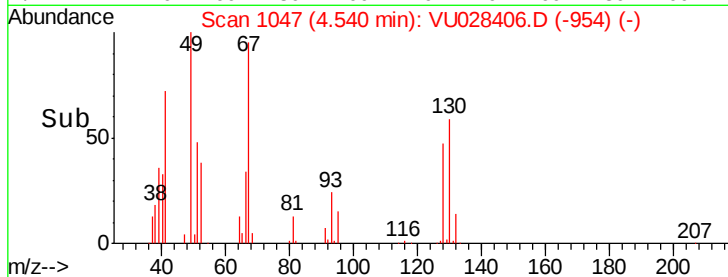
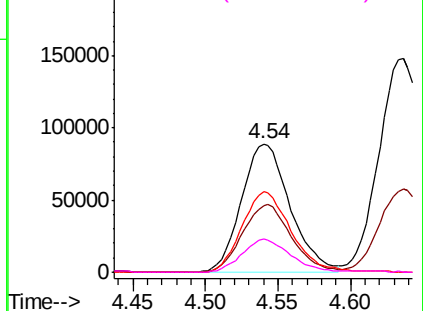
#41
Methacrylonitrile
Concen: 51.011 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	206352
Ion	Ratio	Lower	Upper
41	100		
39	52.6	41.3	61.9
67	63.4	48.6	73.0
52	25.7	19.4	29.0

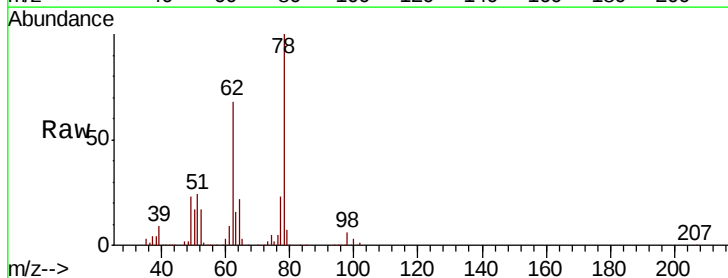


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

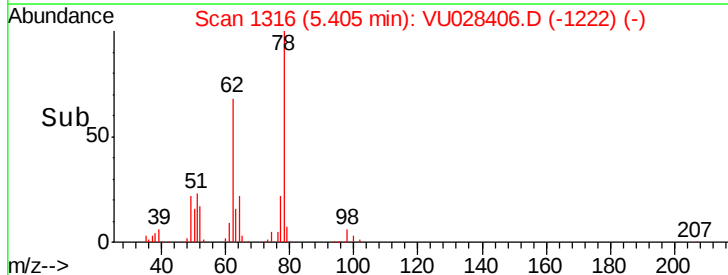
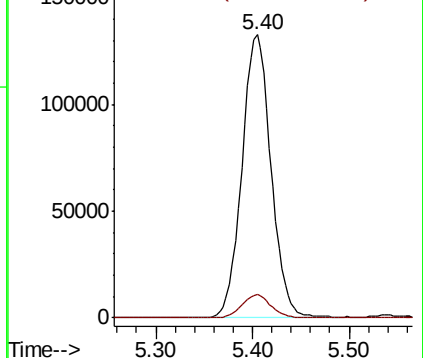


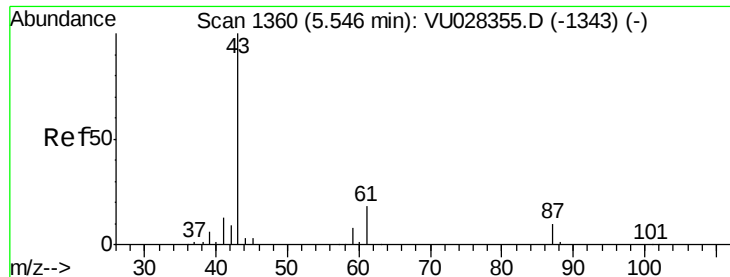
#42
1,2-Dichloroethane
Concen: 48.567 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:	62	Resp:	276980
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 50.665 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

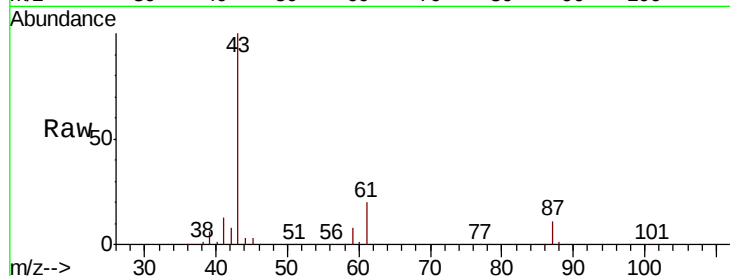
Tot Ion: 43 Resp: 584822

Ion Ratio Lower Upper

43 100

61 19.0 14.5 21.7

87 10.5 8.4 12.6

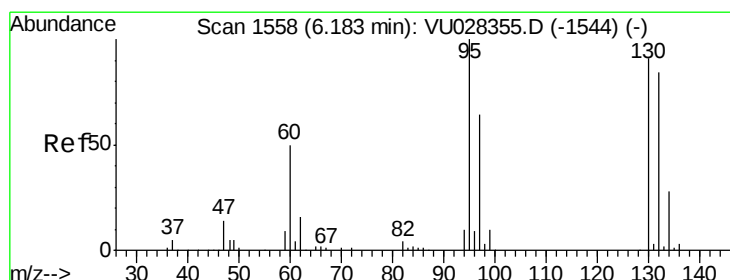
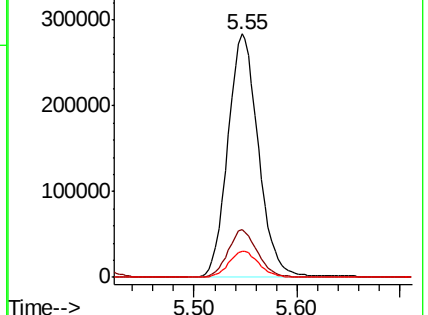
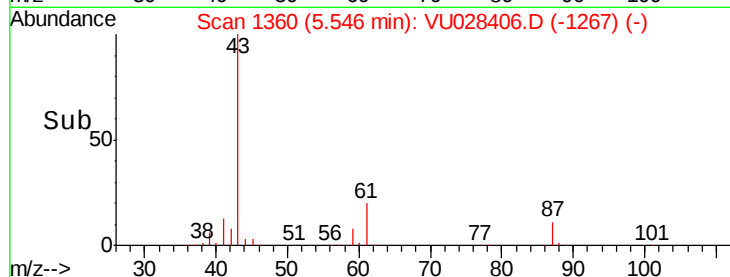


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)

Time-->



#44

Trichloroethene

Concen: 49.817 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028406.D

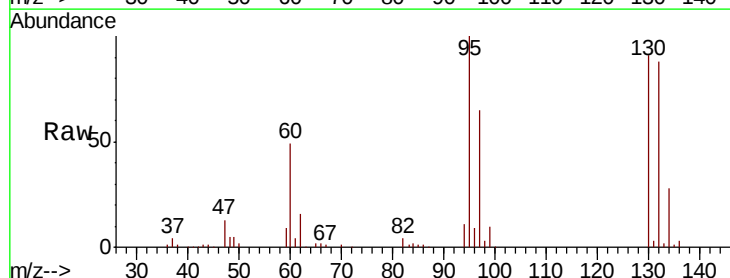
Acq: 29 Nov 2018 20:02

Tgt Ion:130 Resp: 169049

Ion Ratio Lower Upper

130 100

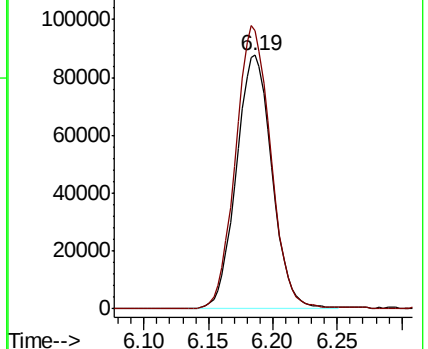
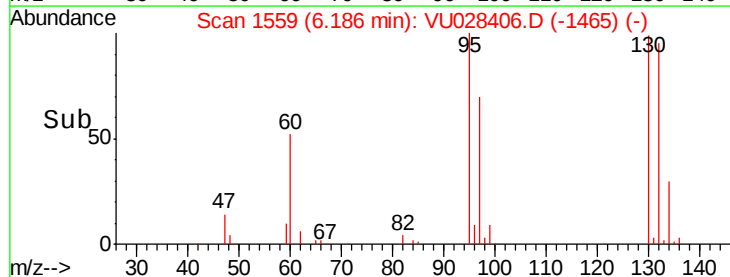
95 109.7 0.0 219.8

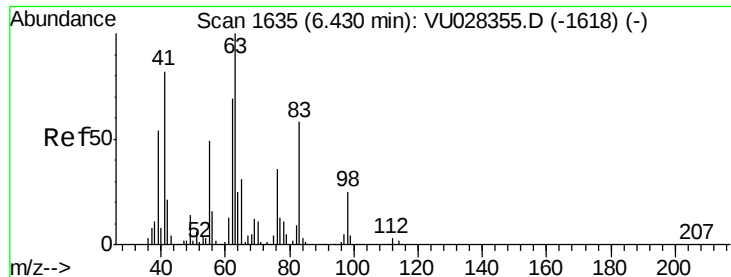


Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 49.094 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

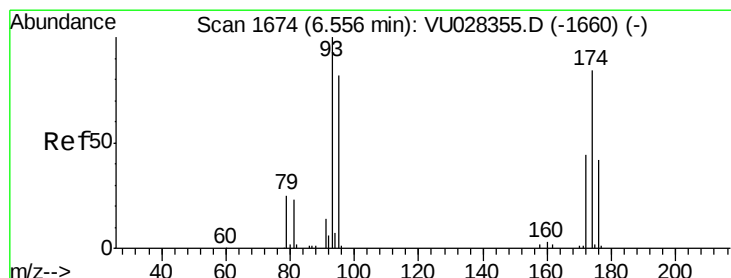
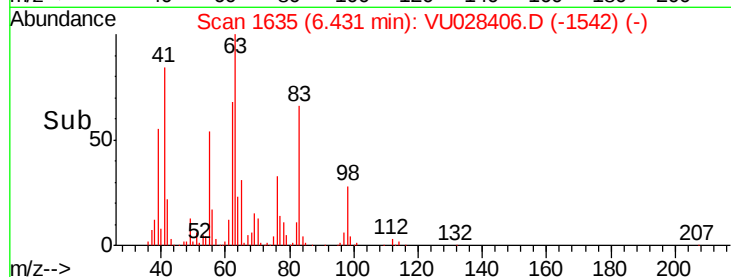
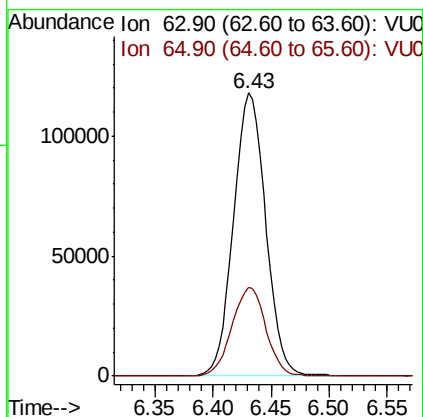
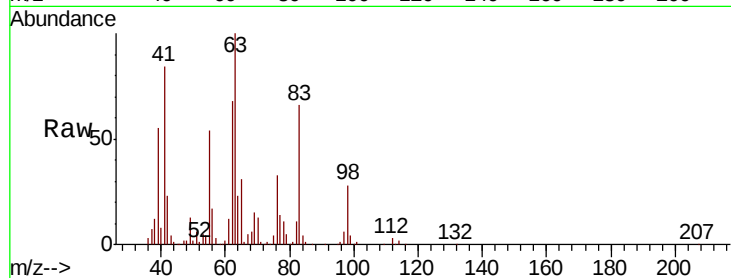
VSTDCCC050EC

Tot Ion: 63 Resp: 227598

Ion Ratio Lower Upper

63 100

65 31.2 25.1 37.7



#46

Dibromomethane

Concen: 49.574 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

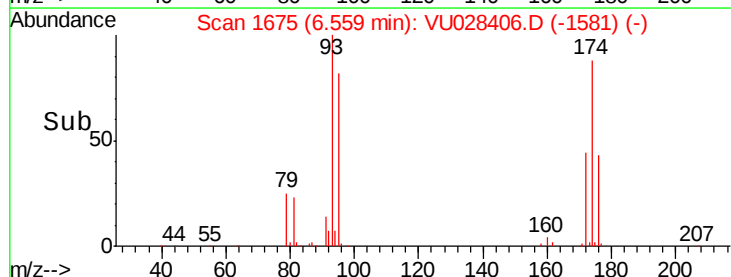
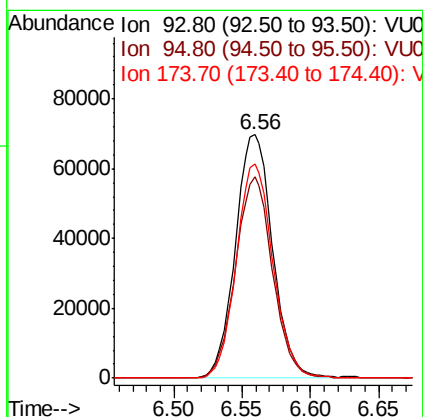
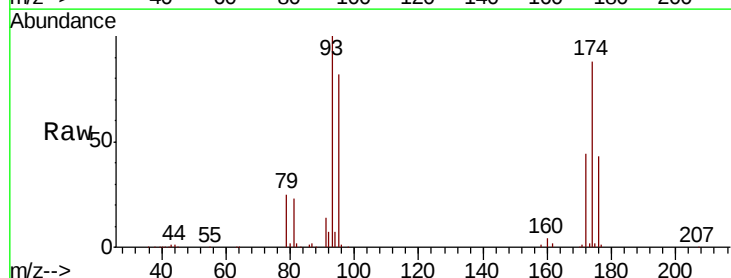
Tgt Ion: 93 Resp: 132011

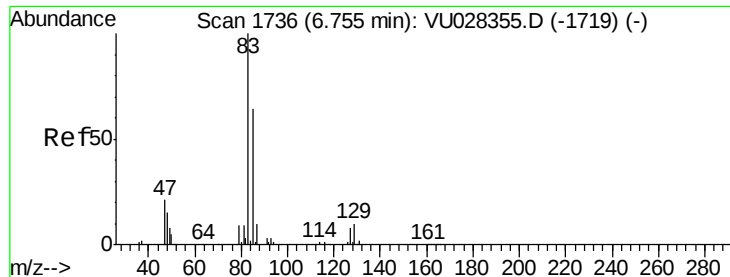
Ion Ratio Lower Upper

93 100

95 82.5 65.1 97.7

174 87.0 69.9 104.9





#47

Bromodichloromethane

Concen: 48.203 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

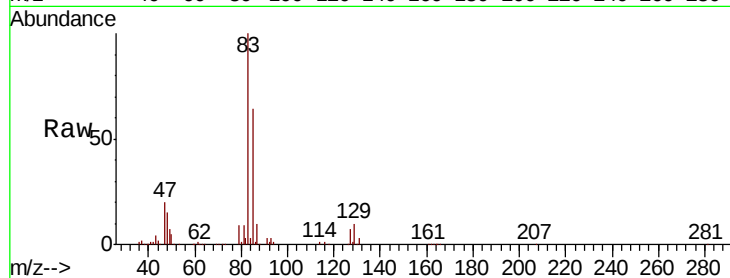
Tot Ion: 83 Resp: 255312

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

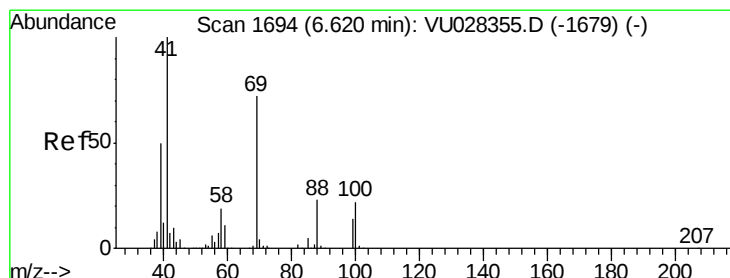
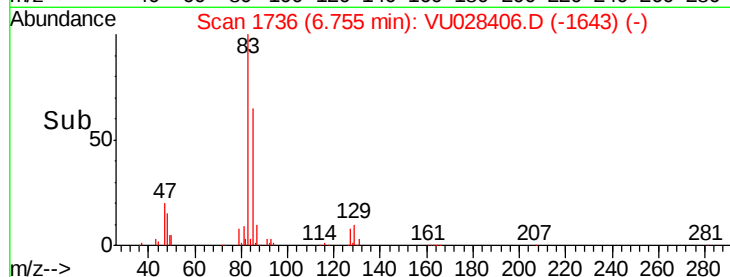
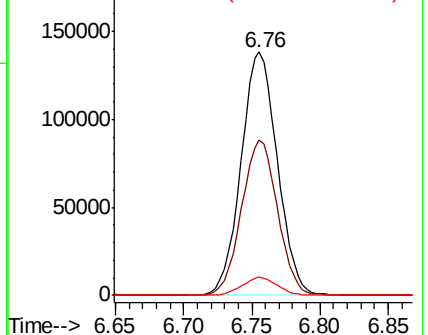
127 7.4 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028406.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028406.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028406.D (-1643) (-)



#48

Methyl methacrylate

Concen: 49.462 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

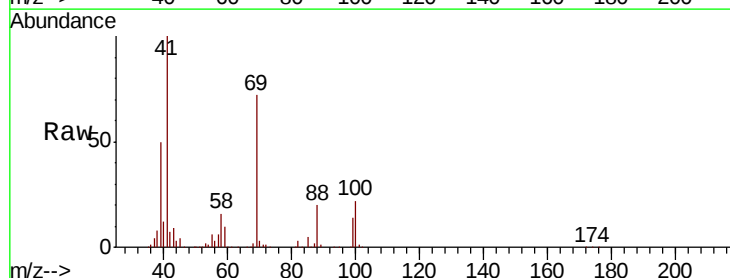
Tgt Ion: 41 Resp: 297403

Ion Ratio Lower Upper

41 100

69 73.8 59.0 88.4

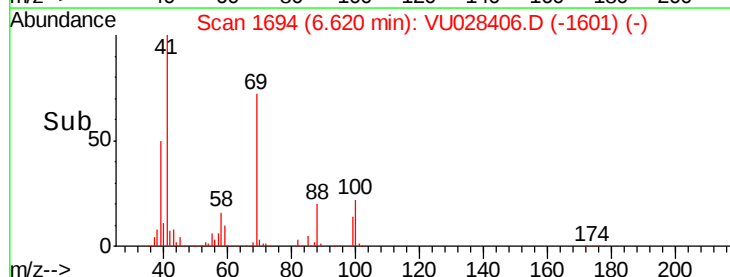
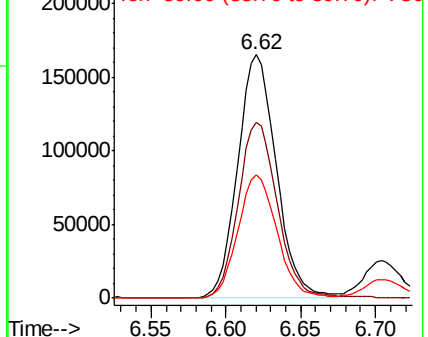
39 50.9 40.5 60.7

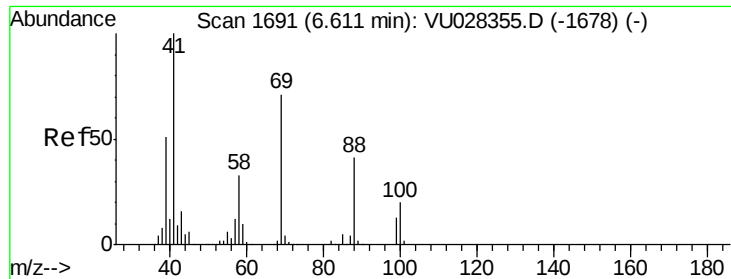


Abundance Ion 41.00 (40.70 to 41.70): VU028406.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028406.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028406.D (-1601) (-)

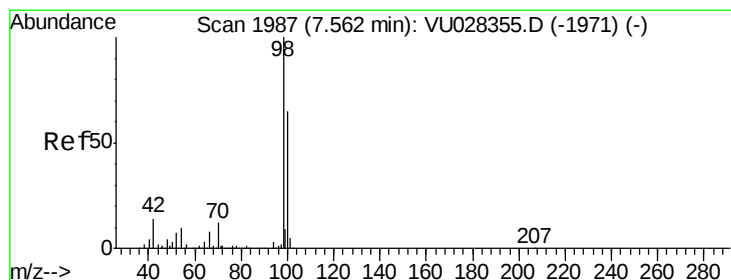
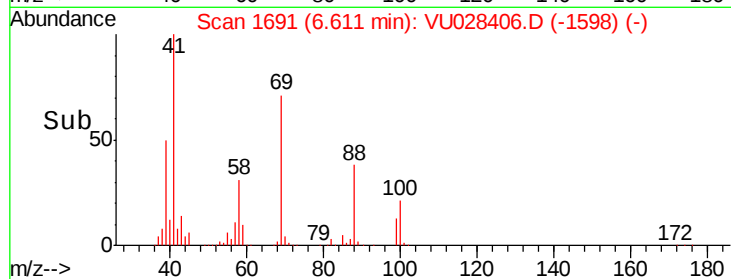
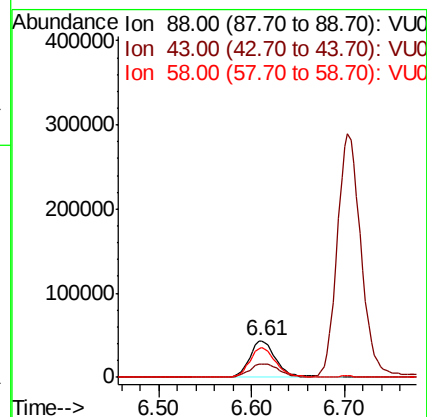
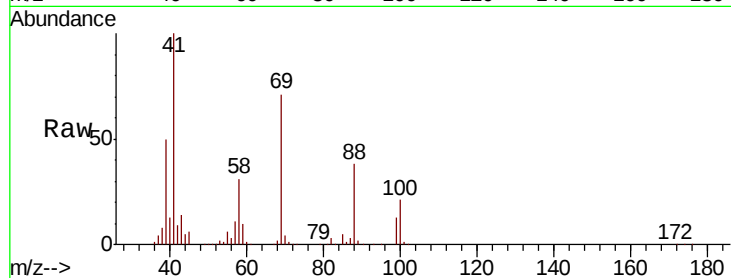




#49
 1,4-Dioxane
 Concen: 905.829 ug/l
 RT: 6.61 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

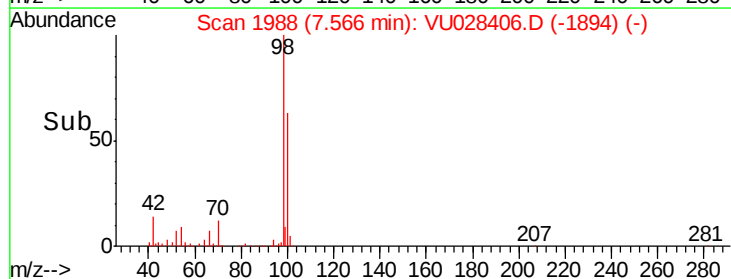
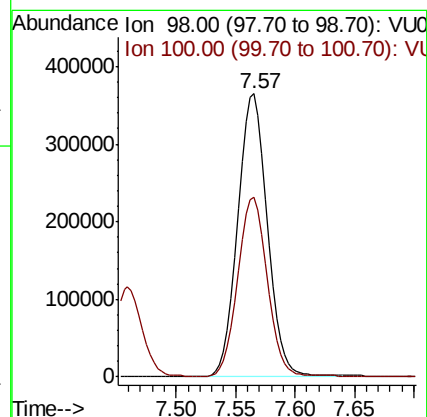
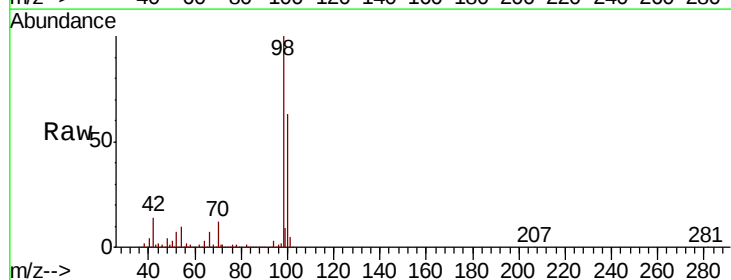
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

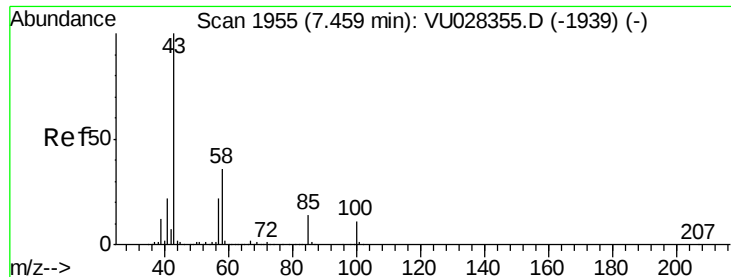
Tot Ion: 88 Resp: 87009
 Ion Ratio Lower Upper
 88 100
 43 38.0 32.6 48.8
 58 79.3 68.7 103.1



#50
 Toluene-d8
 Concen: 48.747 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 98 Resp: 633221
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 251.743 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

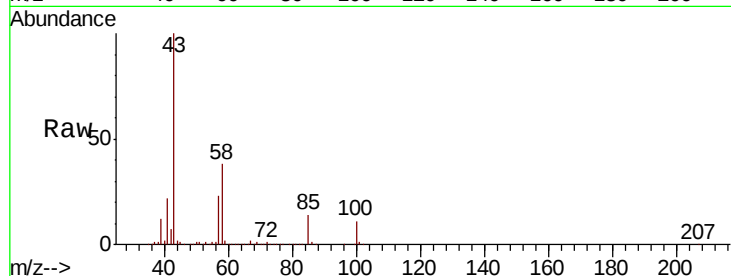
VSTDCCC050EC

Tot Ion: 43 Resp: 1855923

Ion Ratio Lower Upper

43 100

58 37.4 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

1200000

1000000

800000

600000

400000

200000

0

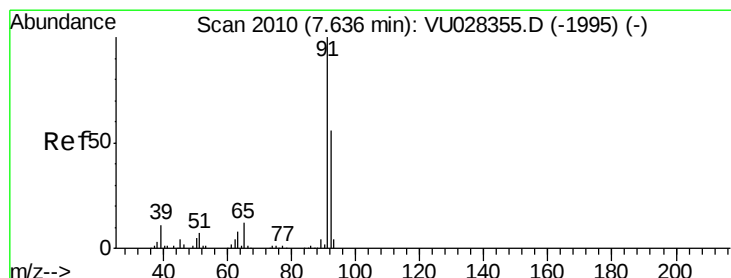
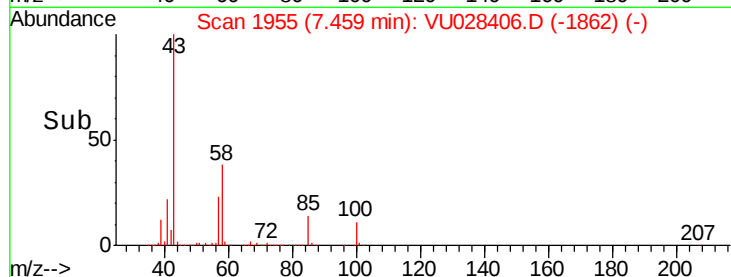
7.46

7.40

7.50

7.60

Time-->



#52

Toluene

Concen: 50.573 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028406.D

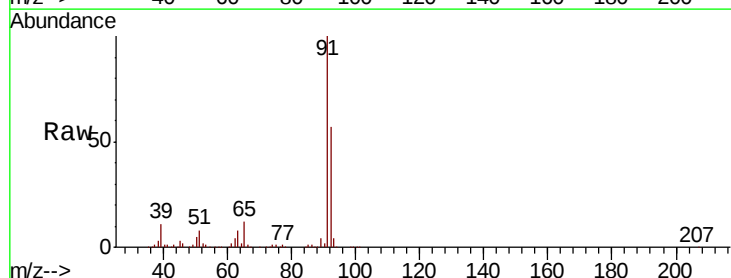
Acq: 29 Nov 2018 20:02

Tgt Ion: 92 Resp: 461040

Ion Ratio Lower Upper

92 100

91 176.3 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)

500000

400000

300000

200000

100000

0

7.64

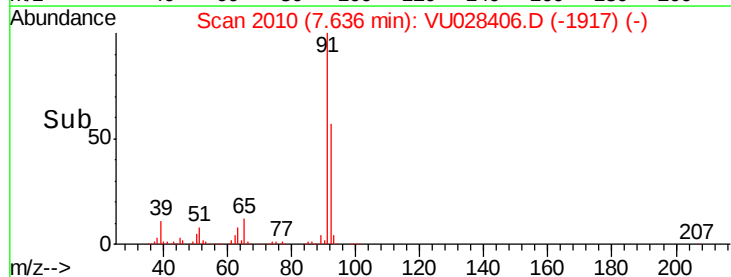
7.50

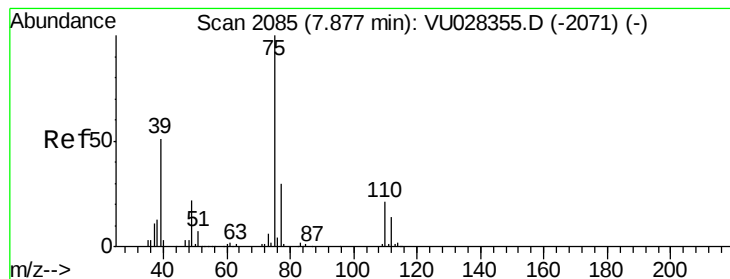
7.60

7.70

7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.467 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

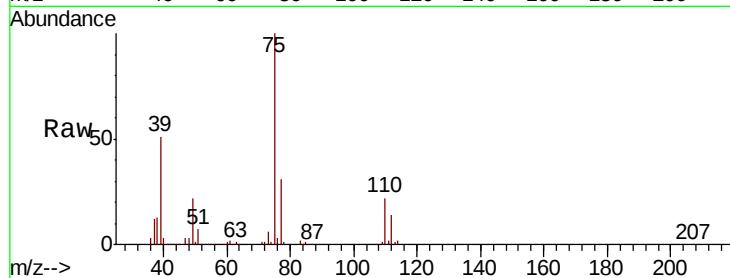
VSTDCCC050EC

Tot Ion: 75 Resp: 306969

Ion Ratio Lower Upper

75 100

77 31.2 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

200000

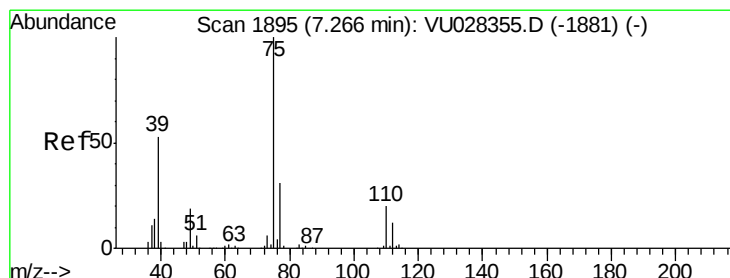
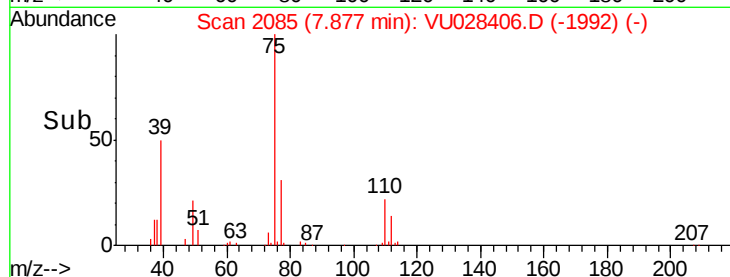
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.112 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

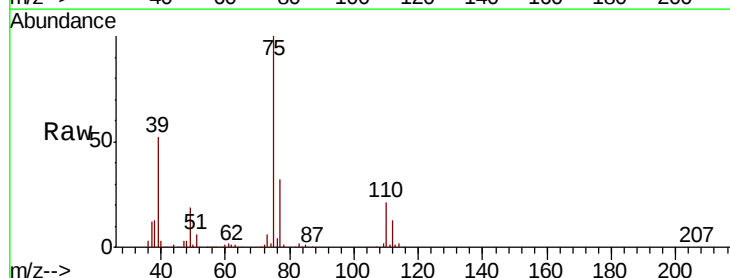
Tgt Ion: 75 Resp: 326449

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

39 52.3 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

250000

200000

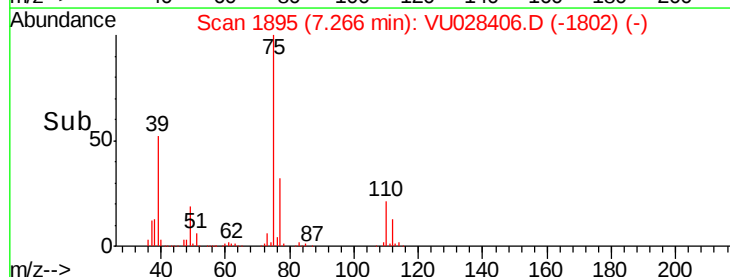
150000

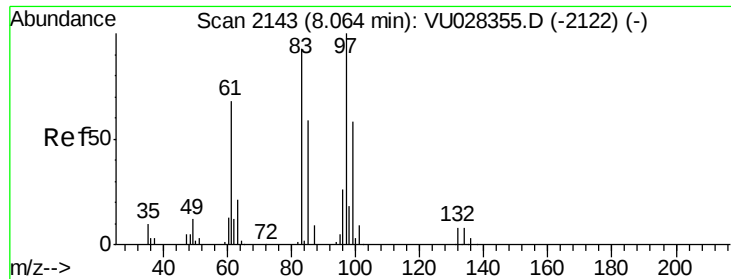
100000

50000

0

Time-->



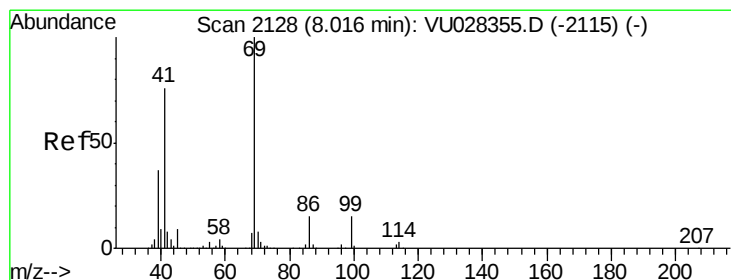
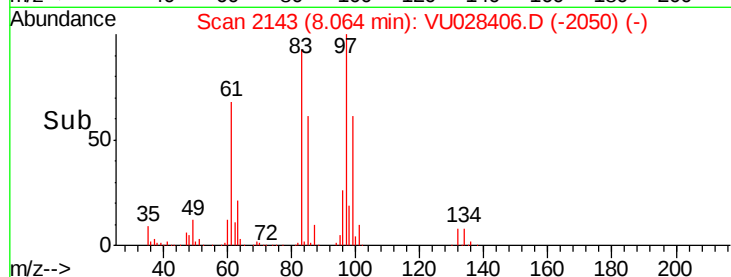
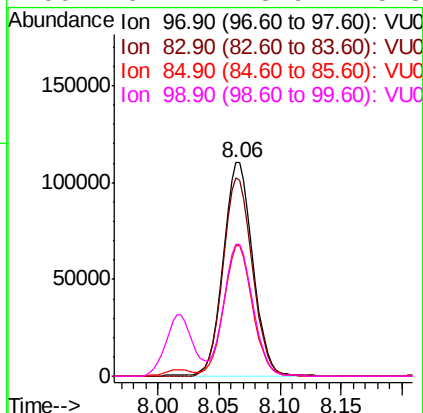
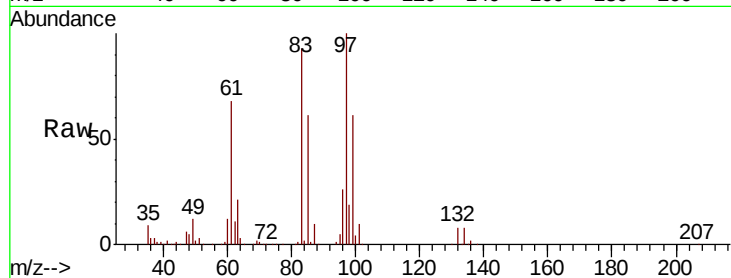


#55
 1,1,2-Trichloroethane
 Concen: 49.450 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 187616

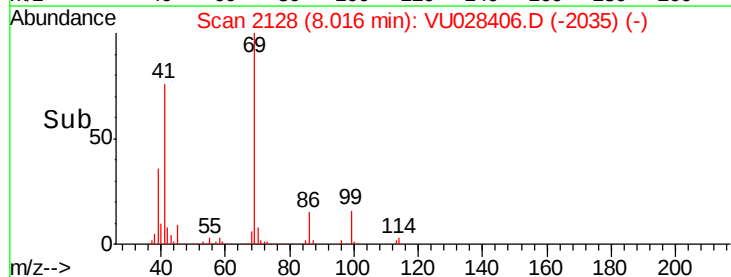
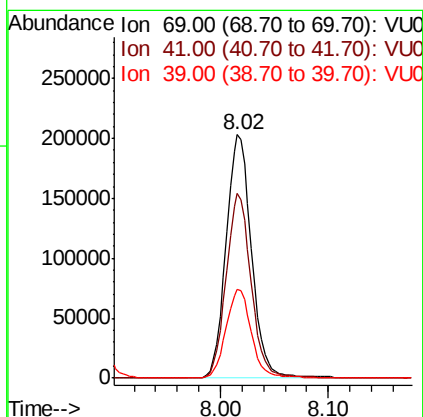
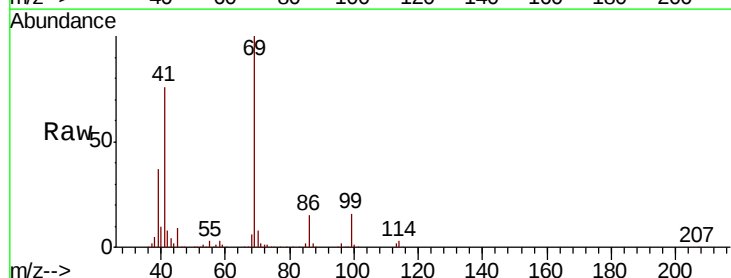
Ion	Ratio	Lower	Upper
97	100		
83	92.8	74.3	111.5
85	61.0	47.2	70.8
99	61.4	48.9	73.3

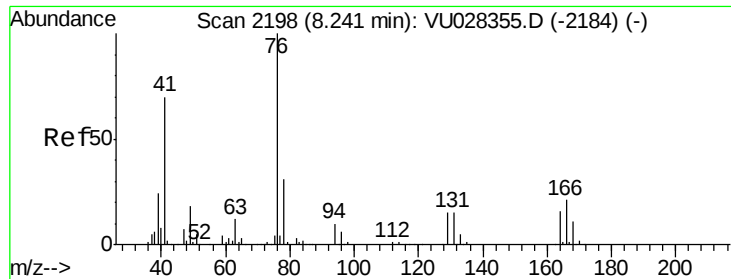


#56
 Ethyl methacrylate
 Concen: 51.583 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 69 Resp: 332946

Ion	Ratio	Lower	Upper
69	100		
41	73.9	60.0	90.0
39	36.2	29.0	43.6

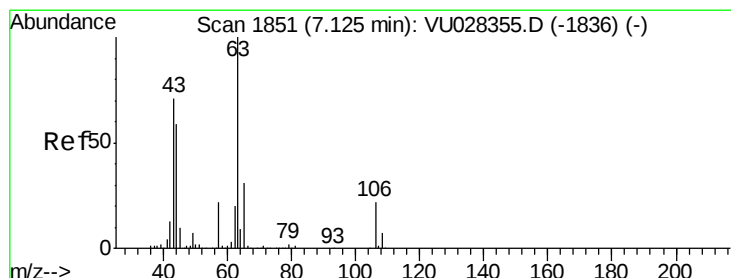
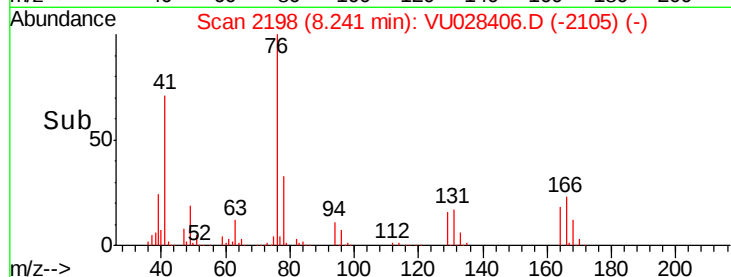
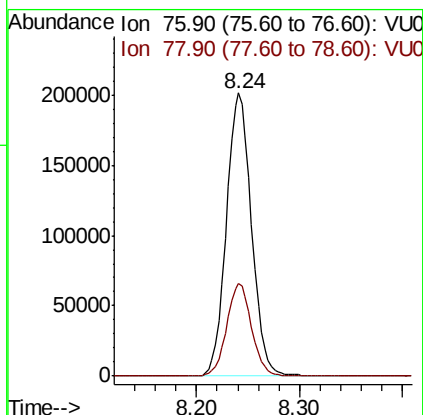
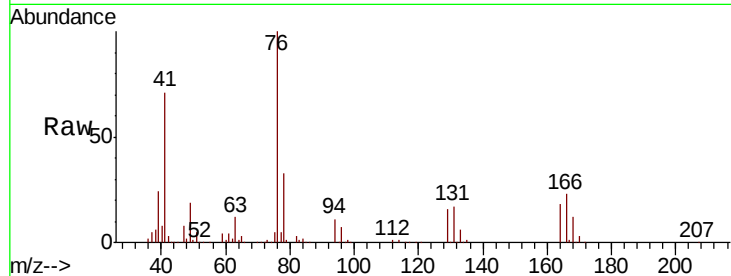




#57
 1,3-Dichloropropane
 Concen: 48.985 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

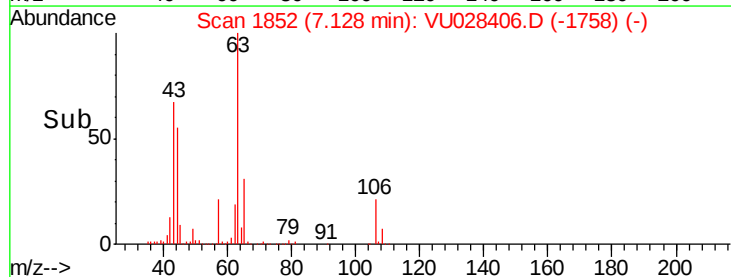
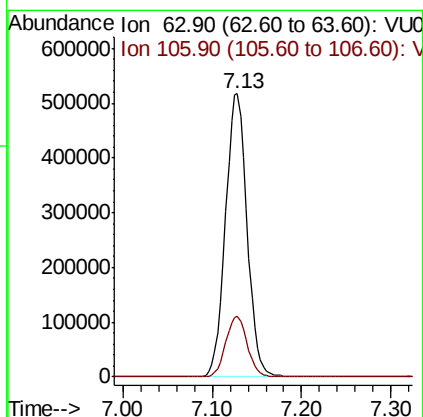
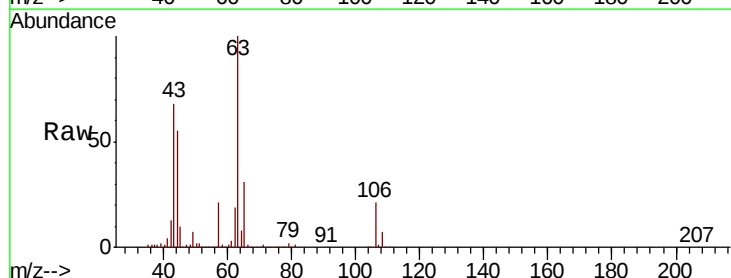
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

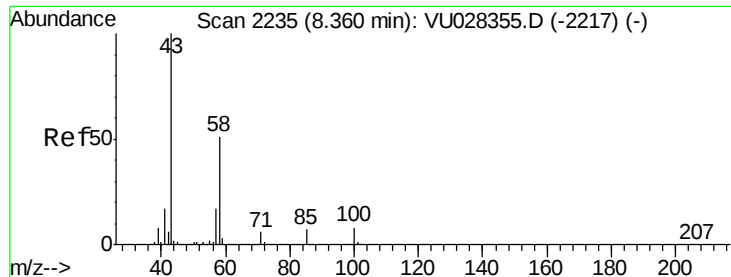
Tot Ion: 76 Resp: 340822
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.039 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 63 Resp: 866471
 Ion Ratio Lower Upper
 63 100
 106 21.4 17.3 25.9

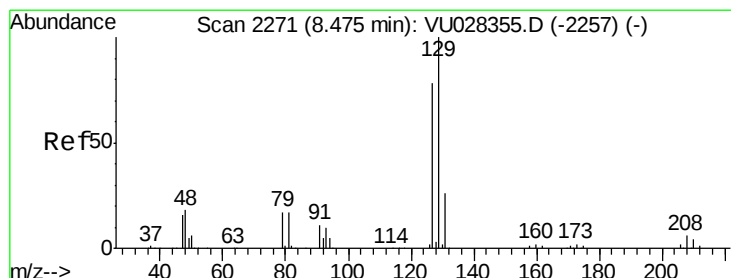
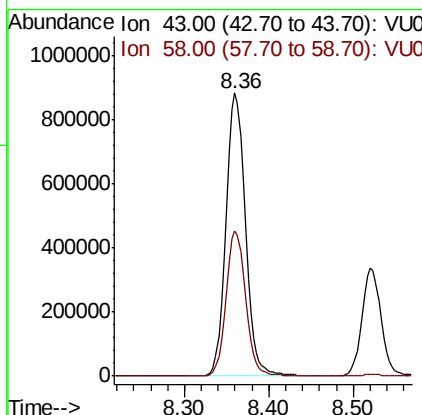
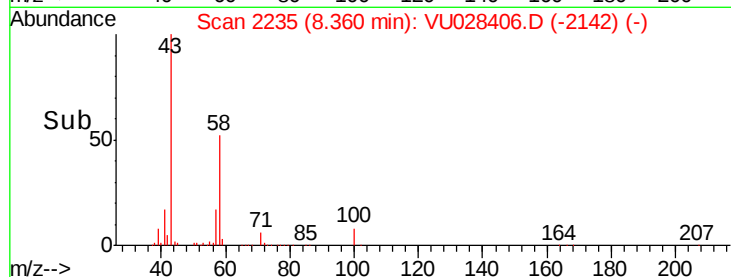
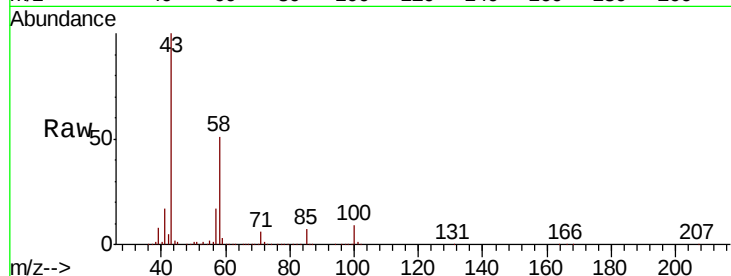




#59
2-Hexanone
Concen: 249.238 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

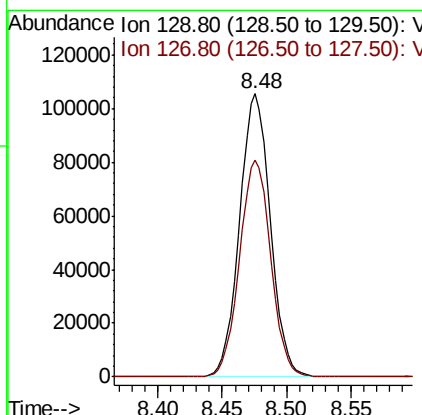
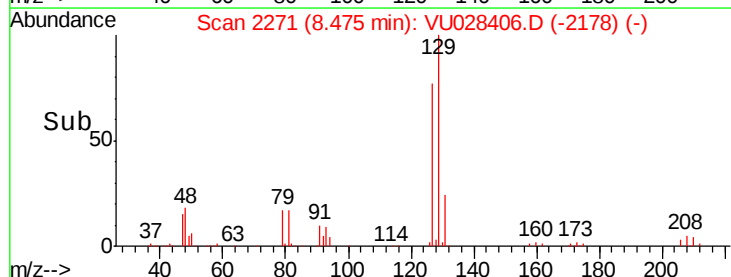
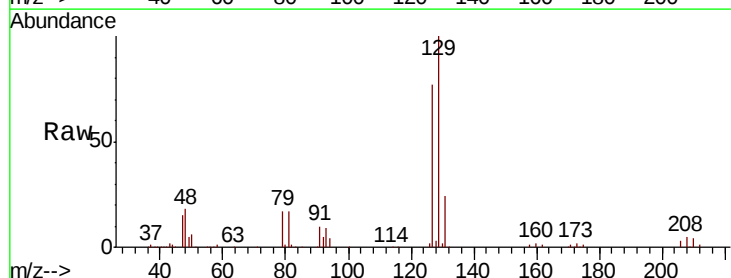
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

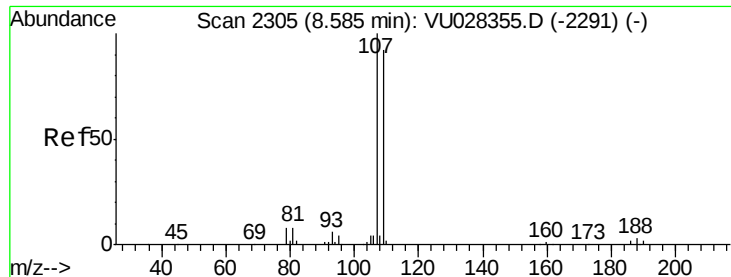
Tot Ion: 43 Resp: 1423295
Ion Ratio Lower Upper
43 100
58 51.4 25.5 76.5



#60
Dibromochloromethane
Concen: 48.599 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 129 Resp: 175365
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

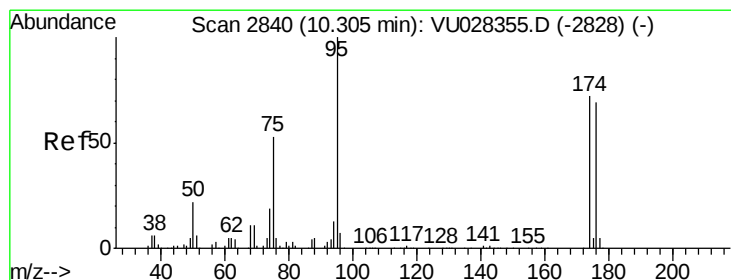
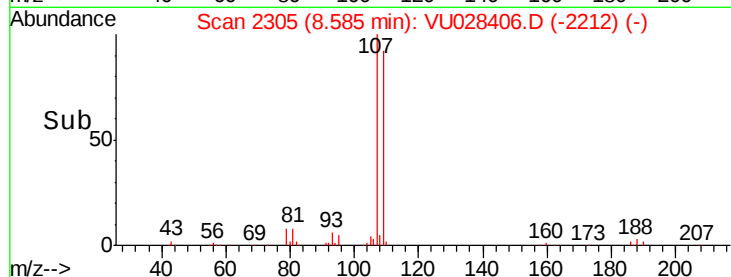
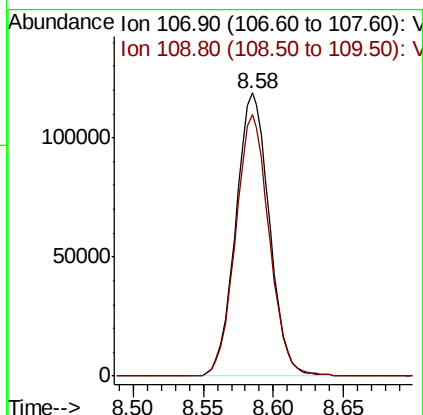
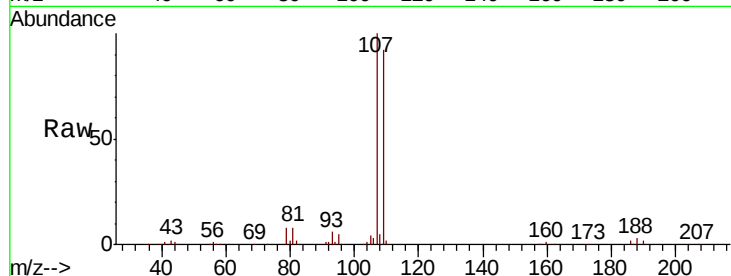




#61
 1,2-Dibromoethane
 Concen: 51.269 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

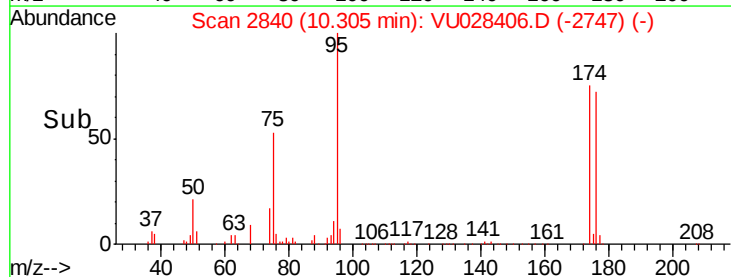
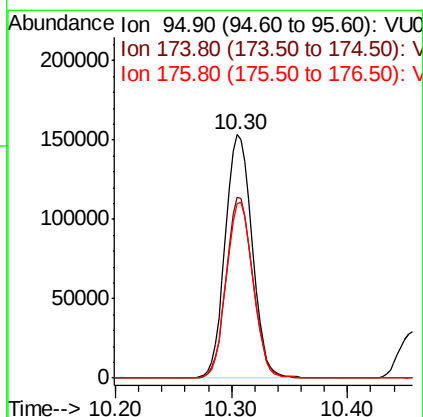
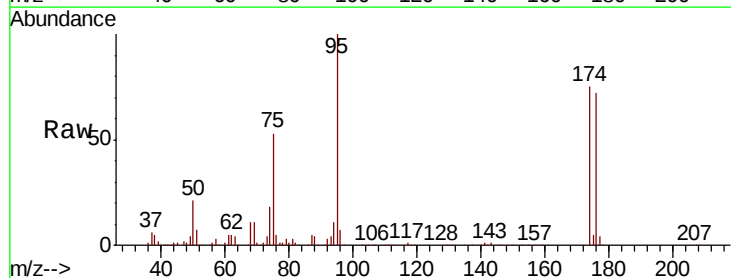
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

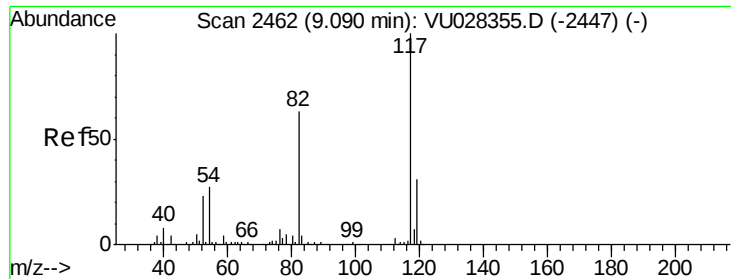
Tot Ion:107 Resp: 199223
 Ion Ratio Lower Upper
 107 100
 109 92.3 73.2 109.8



#62
 4-Bromofluorobenzene
 Concen: 52.442 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 95 Resp: 245529
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 145.4
 176 71.7 0.0 140.8

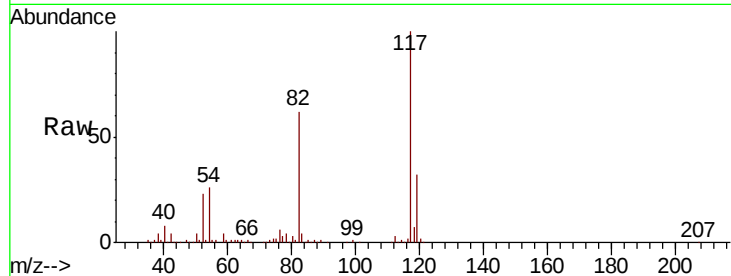




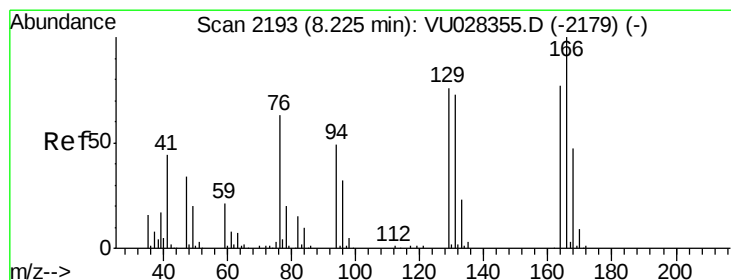
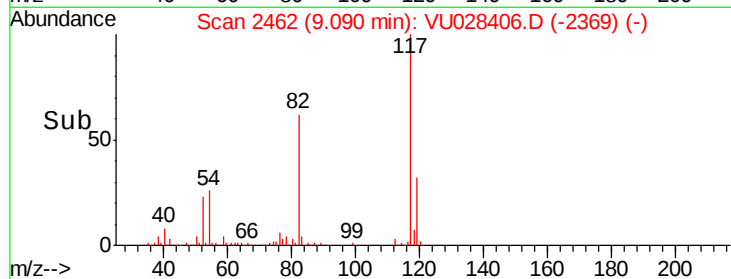
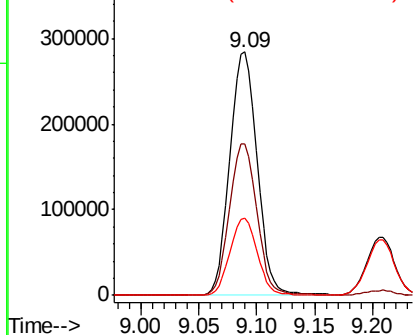
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 464917
Ion Ratio Lower Upper
117 100
82 62.2 50.3 75.5
119 31.8 24.8 37.2

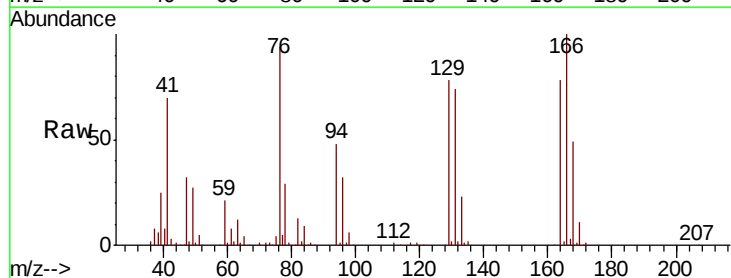


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

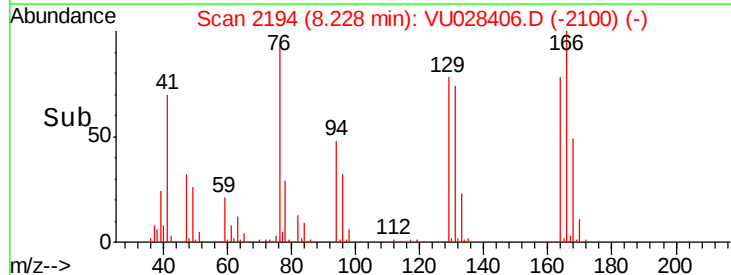
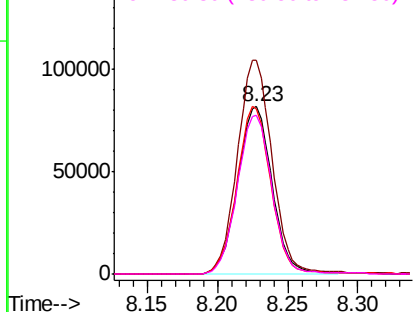


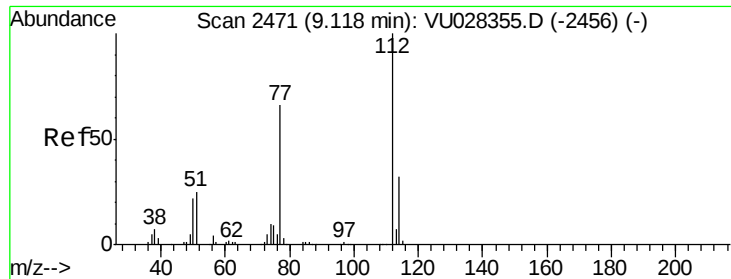
#64
Tetrachloroethene
Concen: 45.757 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:164 Resp: 139935
Ion Ratio Lower Upper
164 100
166 127.6 104.0 156.0
129 99.0 79.2 118.8
131 94.5 75.7 113.5



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

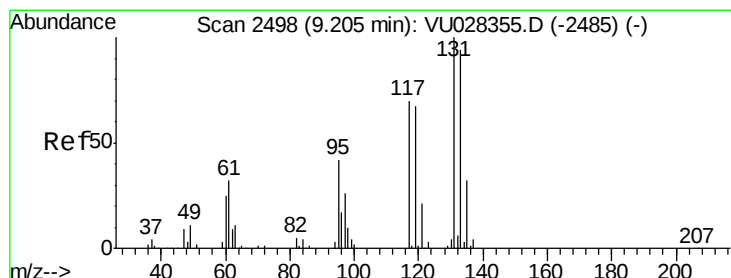
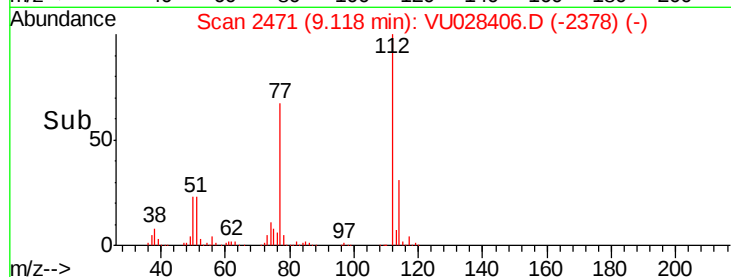
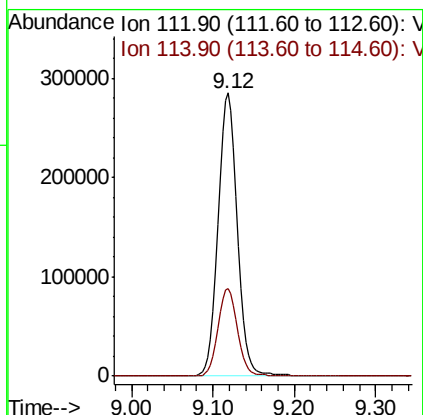
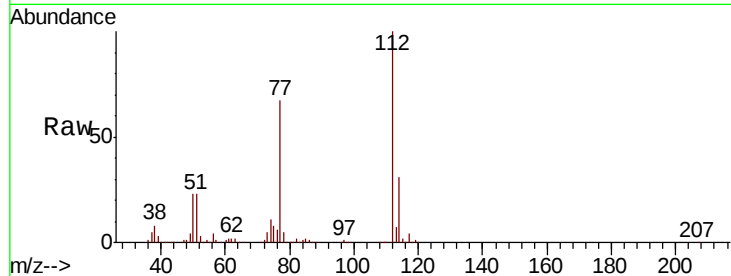




#65
Chlorobenzene
Concen: 49.536 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

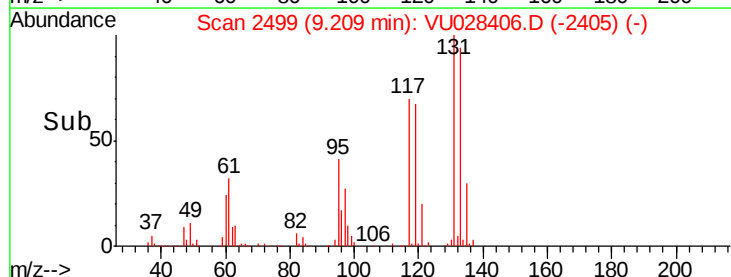
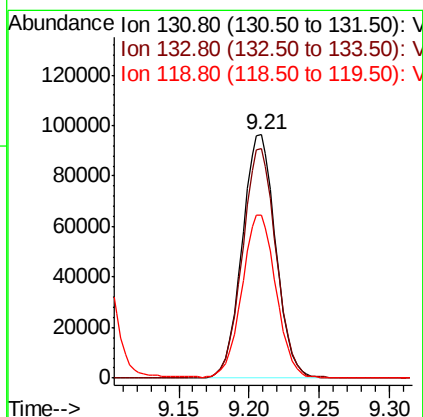
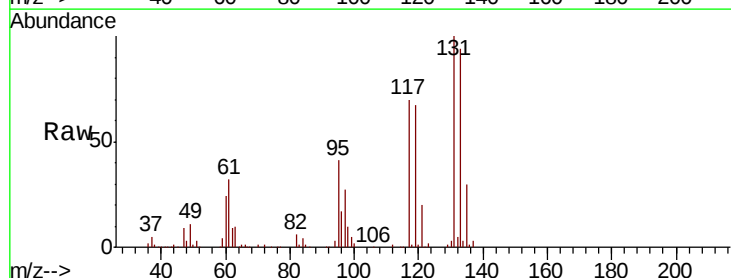
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

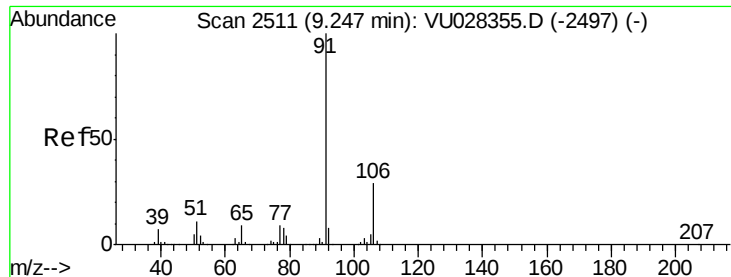
Tot Ion:112 Resp: 478205
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.590 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:131 Resp: 160786
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 67.7 34.1 102.2

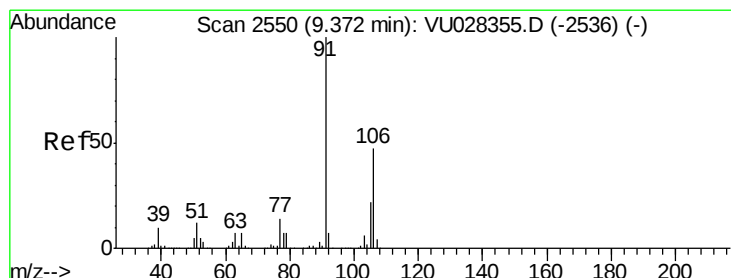
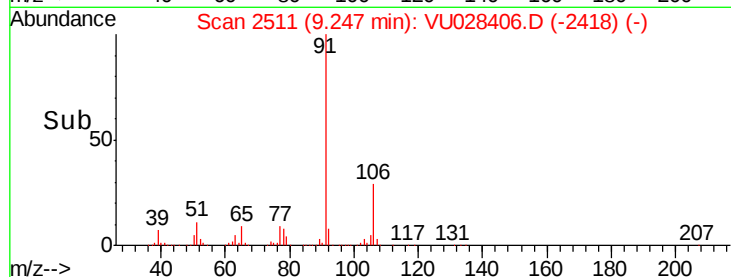
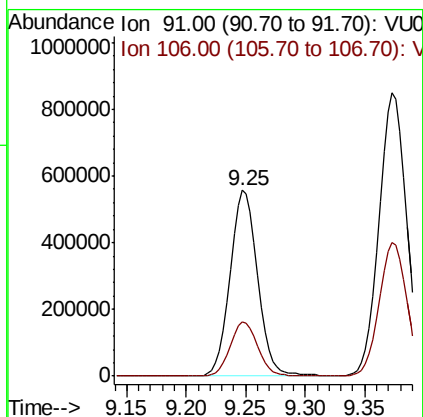
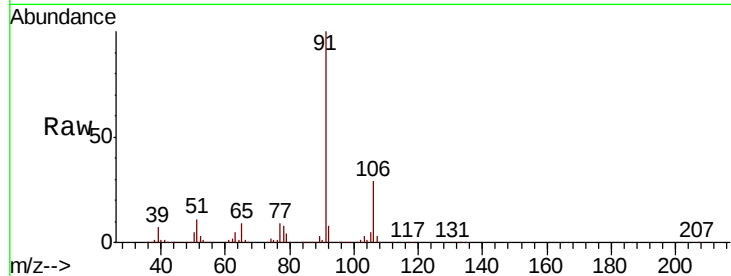




#67
Ethyl Benzene
Concen: 49.264 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

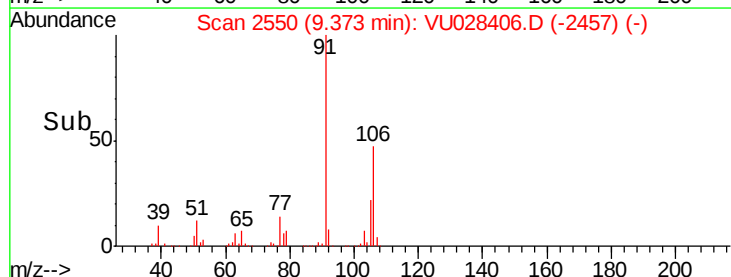
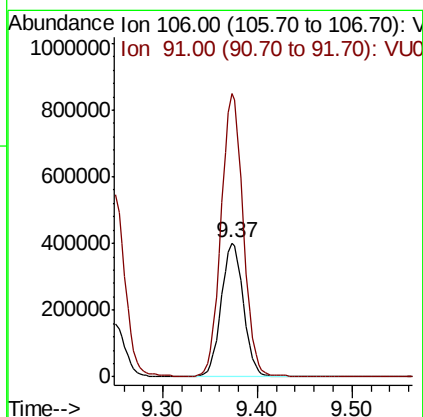
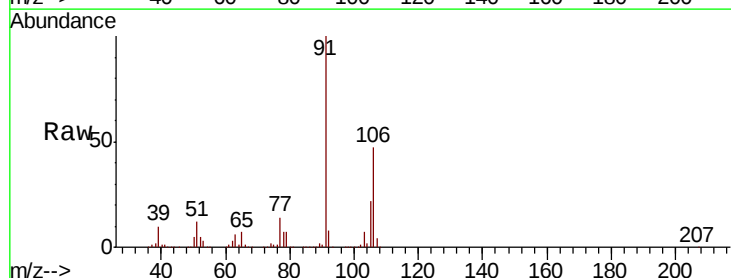
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

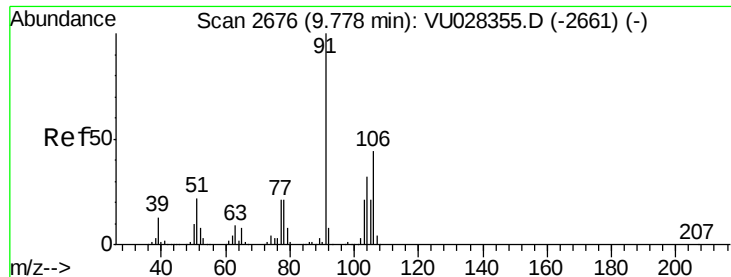
Tot Ion: 91 Resp: 895715
Ion Ratio Lower Upper
91 100
106 29.2 23.3 34.9



#68
m/p-Xylenes
Concen: 100.277 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 106 Resp: 656245
Ion Ratio Lower Upper
106 100
91 210.6 171.0 256.6

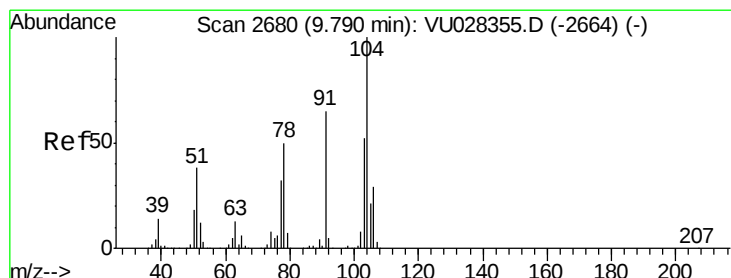
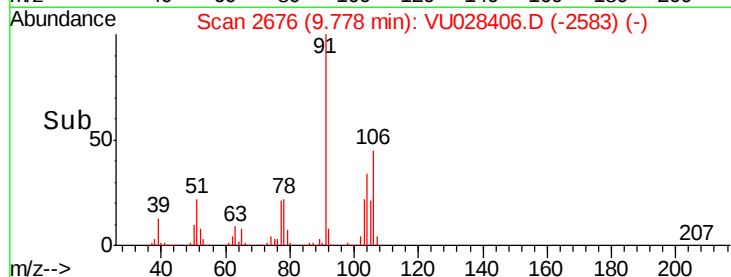
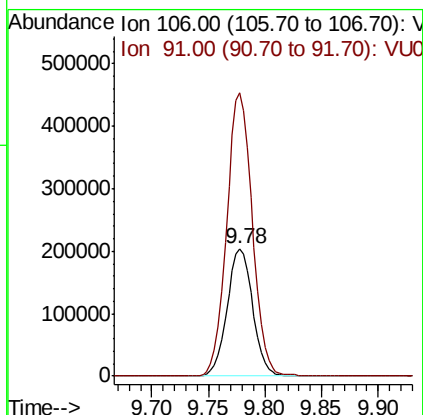
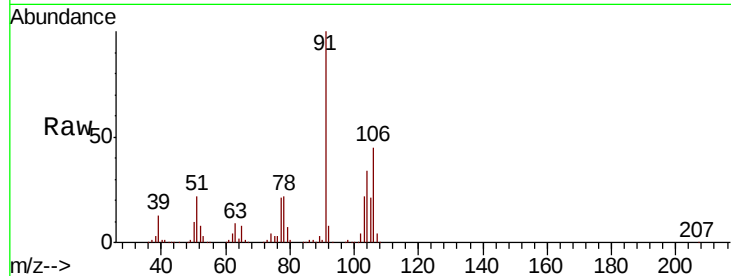




#69
o-Xylene
Concen: 49.299 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

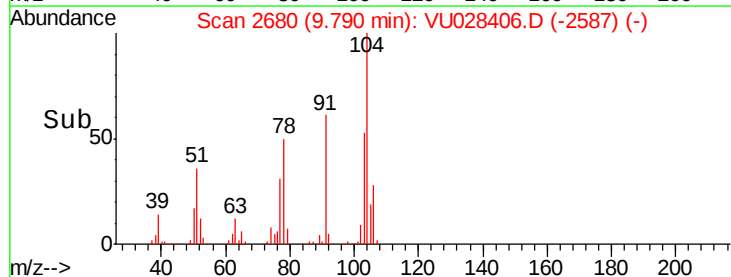
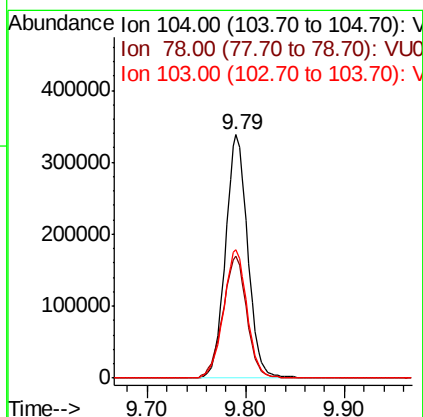
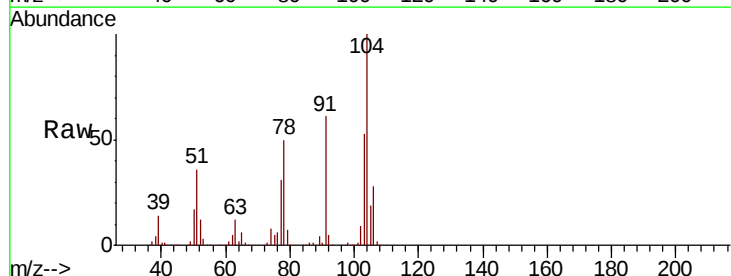
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

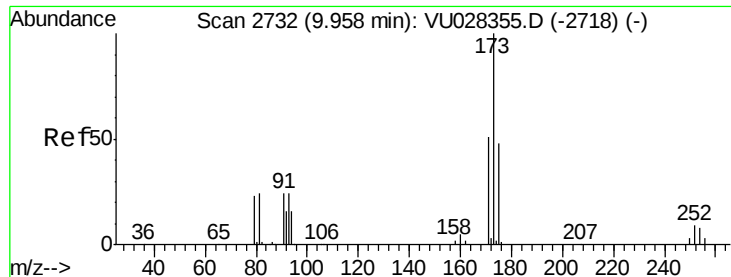
Tot Ion:106 Resp: 320724
Ion Ratio Lower Upper
106 100
91 222.9 112.7 338.0



#70
Styrene
Concen: 51.170 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:104 Resp: 536889
Ion Ratio Lower Upper
104 100
78 53.8 43.3 64.9
103 55.8 44.8 67.2





#71

Bromoform

Concen: 47.942 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

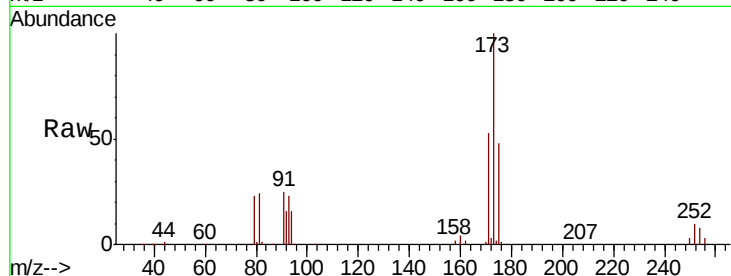
Tot Ion:173 Resp: 133343

Ion Ratio Lower Upper

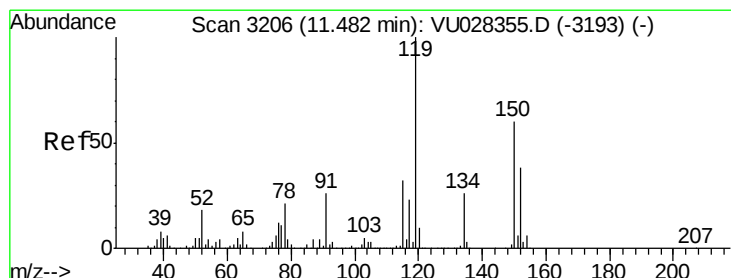
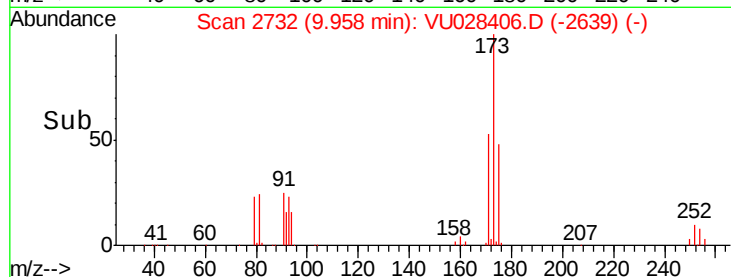
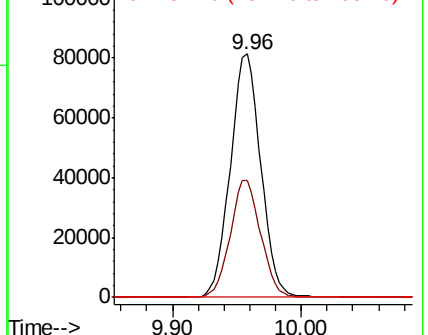
173 100

175 47.9 24.1 72.4

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: VU028406.D

Acq: 29 Nov 2018 20:02

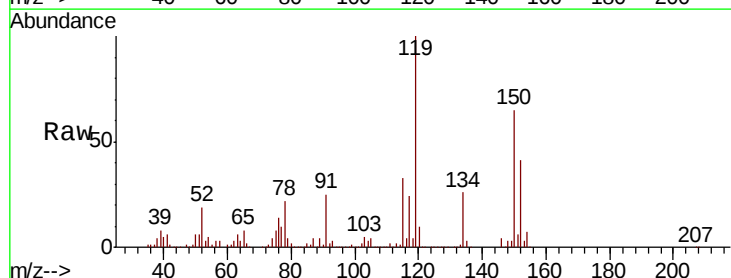
Tgt Ion:152 Resp: 232190

Ion Ratio Lower Upper

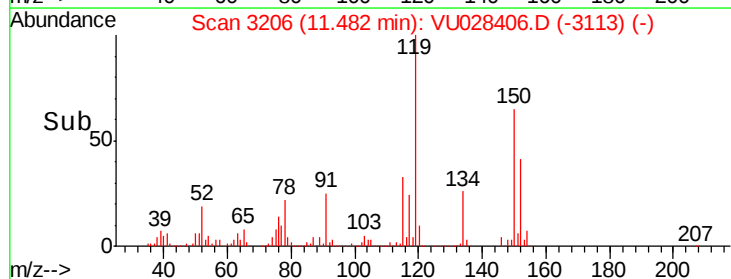
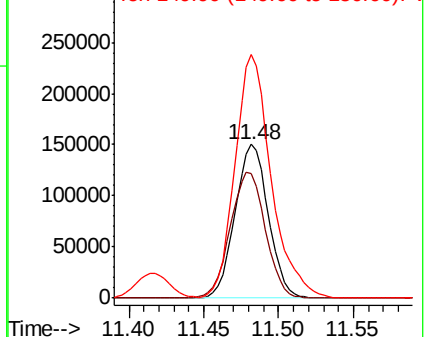
152 100

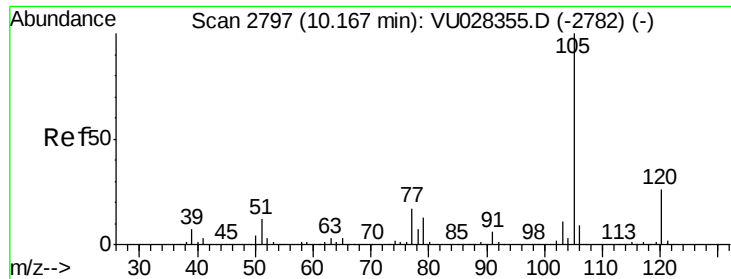
115 86.4 45.0 134.8

150 172.7 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.183 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

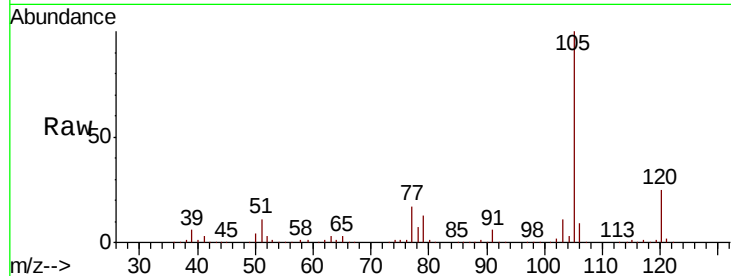
VSTDCCC050EC

Tot Ion:105 Resp: 852059

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

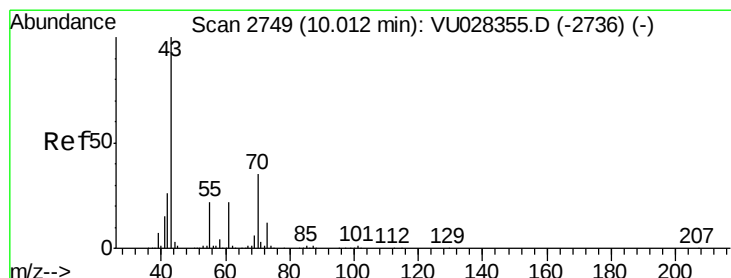
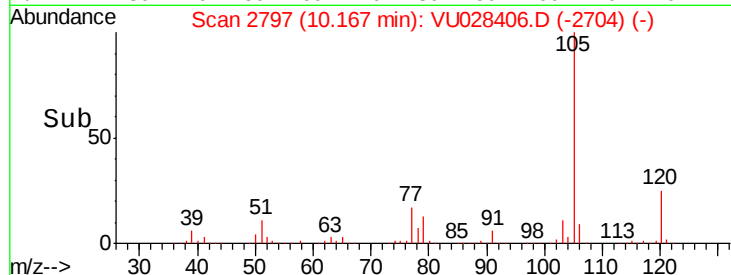
100000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 46.443 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion: 43 Resp: 525471

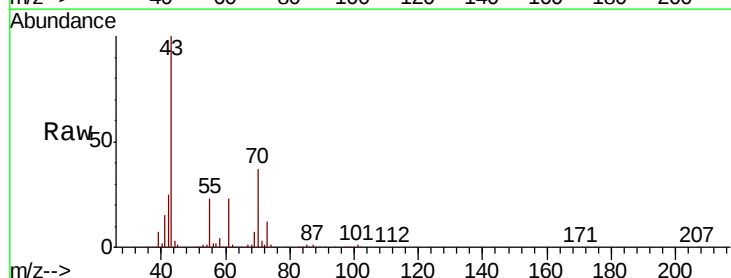
Ion Ratio Lower Upper

43 100

70 36.9 28.4 42.6

55 22.9 18.0 27.0

61 23.2 17.6 26.4



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

500000

400000

300000

200000

100000

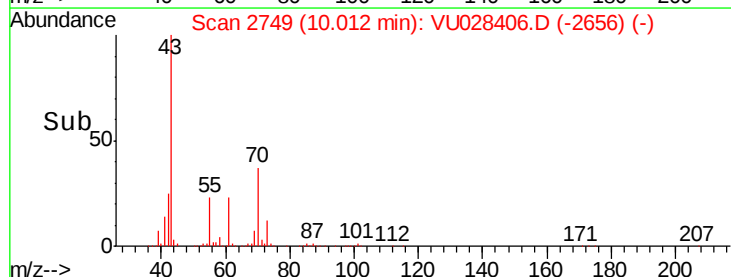
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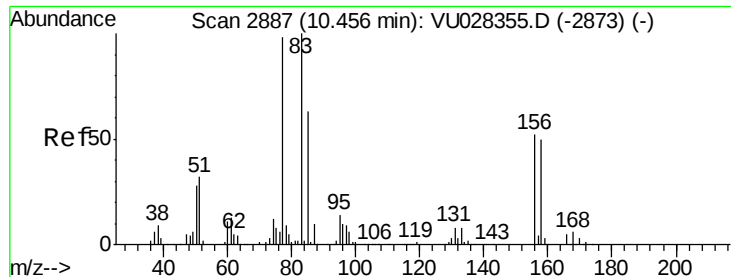
9.90

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.775 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

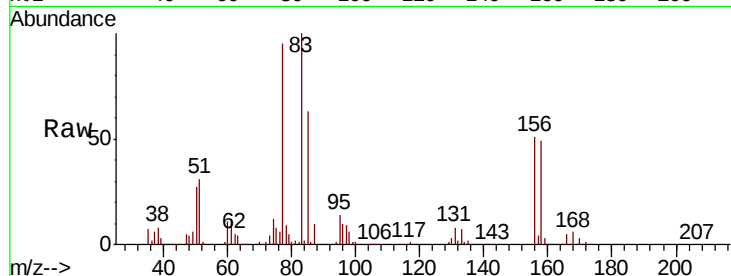
Tot Ion: 83 Resp: 339934

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.2

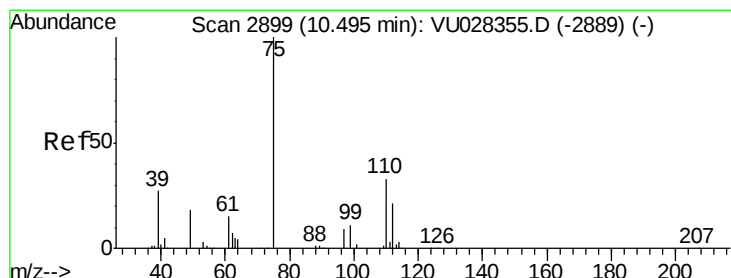
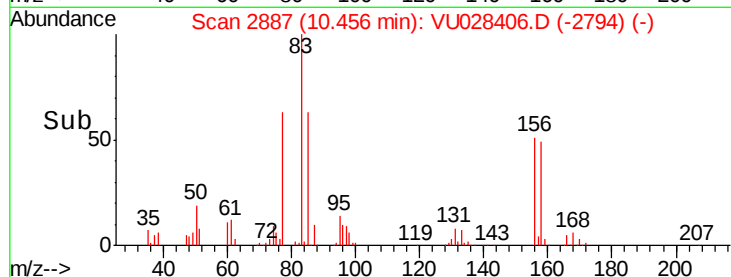
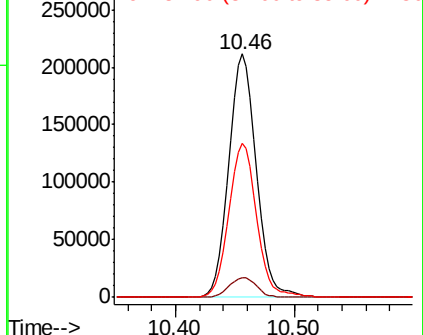
85 63.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 62.884 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028406.D

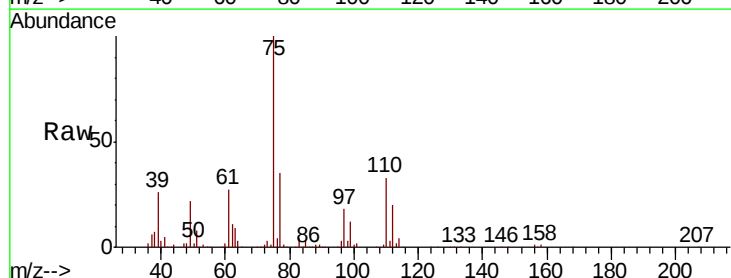
Acq: 29 Nov 2018 20:02

Tgt Ion: 75 Resp: 404900

Ion Ratio Lower Upper

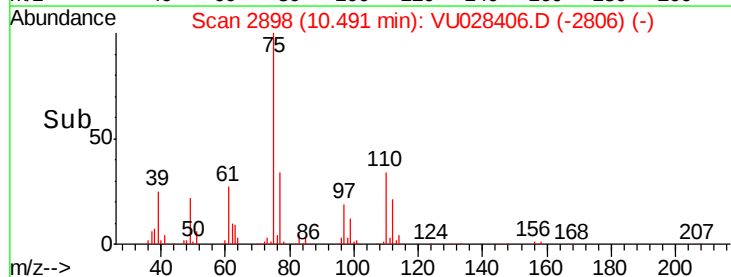
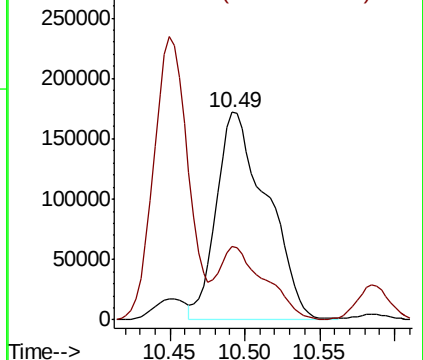
75 100

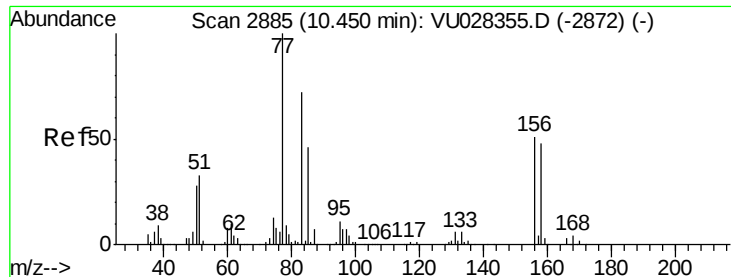
77 30.9 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 46.125 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

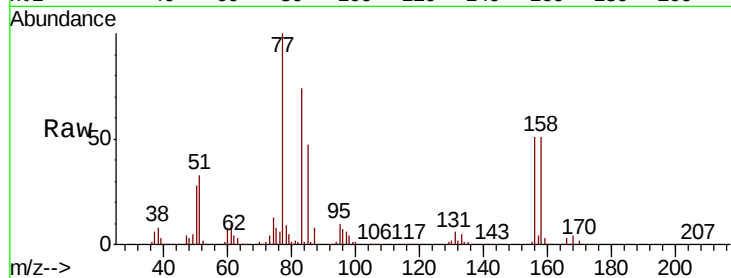
Tot Ion:156 Resp: 196267

Ion Ratio Lower Upper

156 100

77 190.4 97.0 290.9

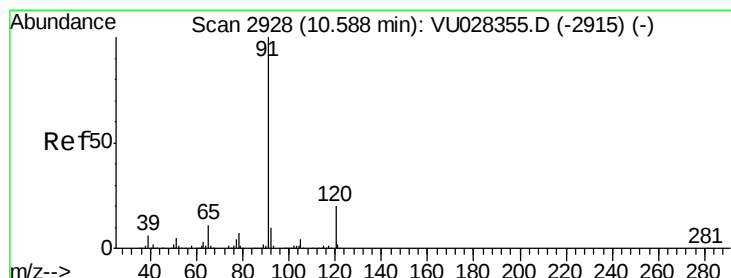
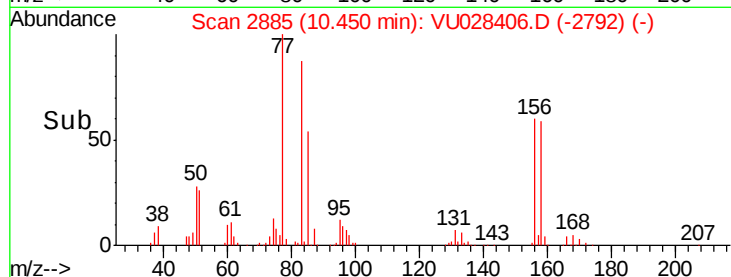
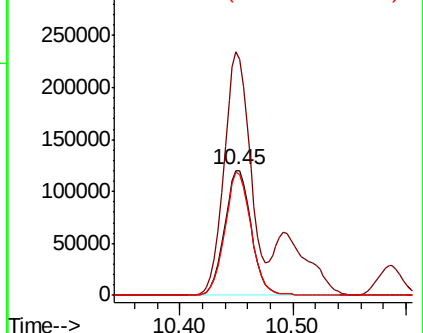
158 96.8 46.8 140.4



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: 47.975 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028406.D

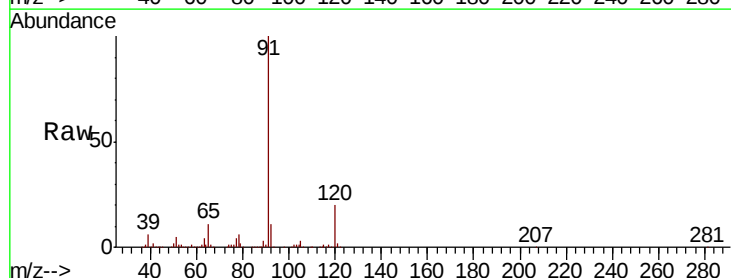
Acq: 29 Nov 2018 20:02

Tgt Ion: 91 Resp: 1068770

Ion Ratio Lower Upper

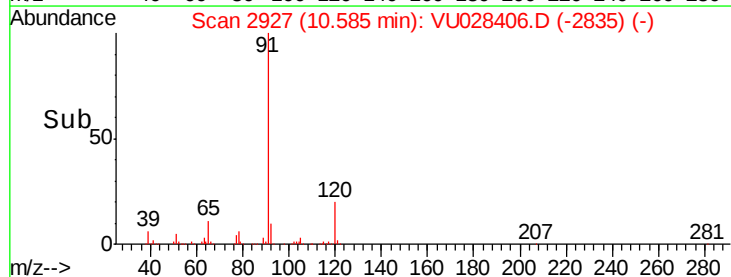
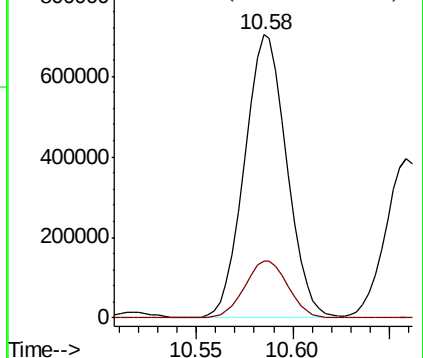
91 100

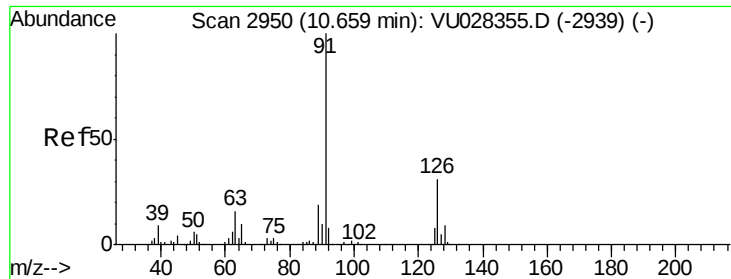
120 20.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

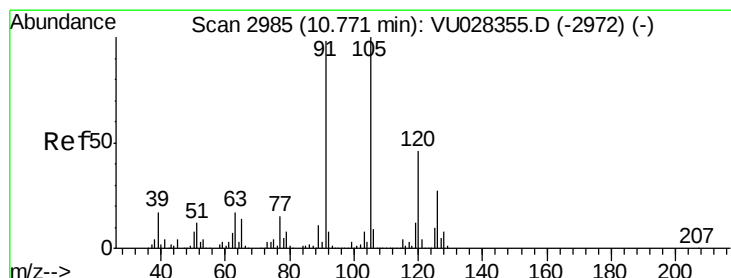
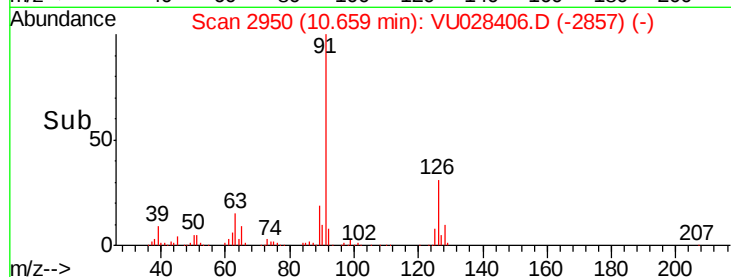
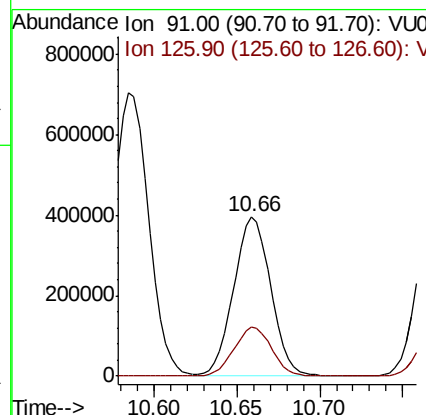
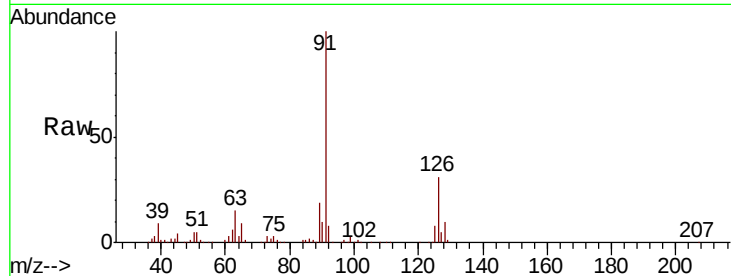




#79
 2-Chlorotoluene
 Concen: 46.674 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

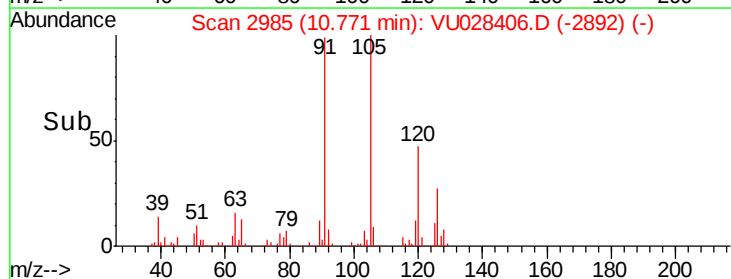
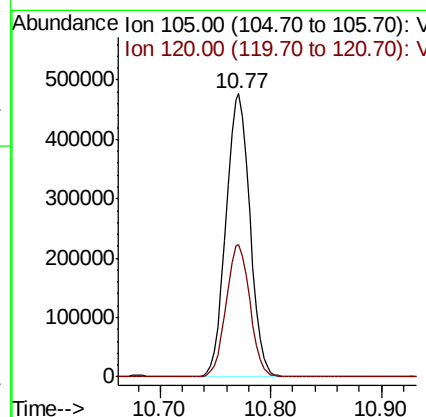
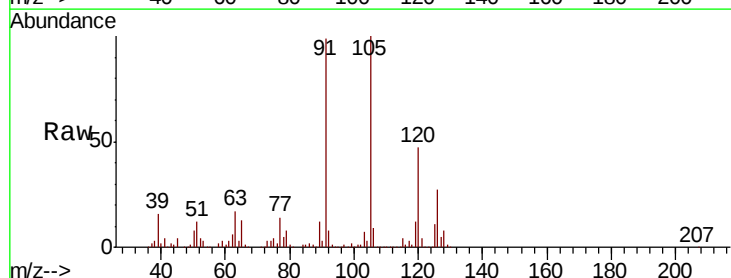
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

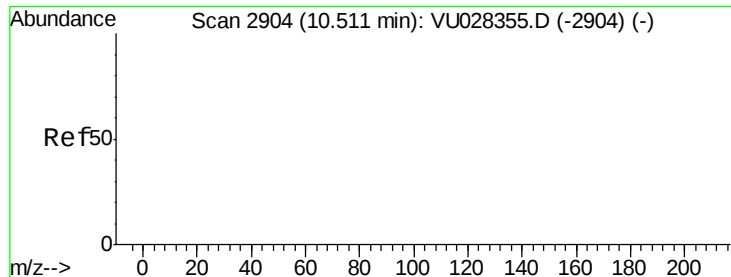
Tot Ion: 91 Resp: 612955
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.4 46.1



#80
 1,3,5-Trimethylbenzene
 Concen: 47.080 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 105 Resp: 716468
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0

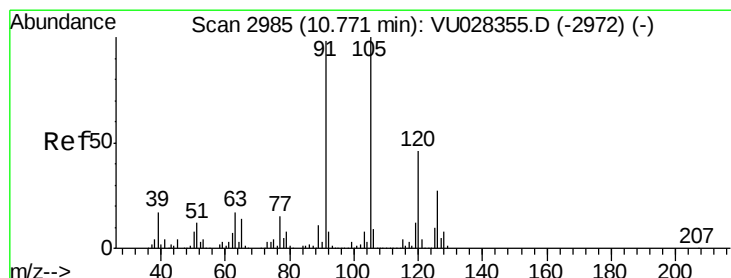
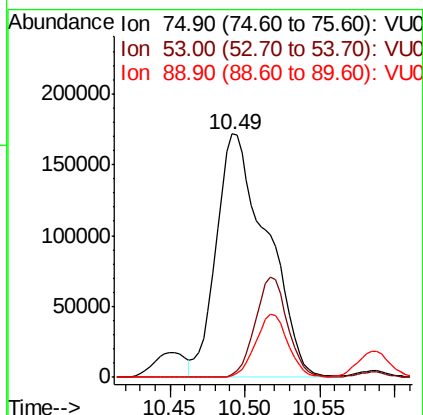
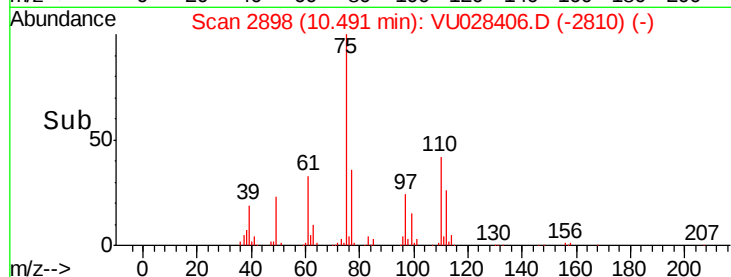
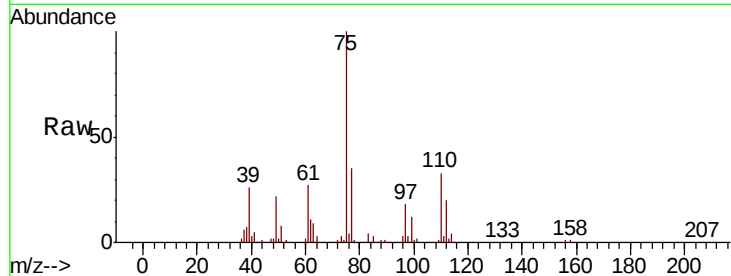




#81
trans-1,4-Dichloro-2-butene
Concen: 167.300 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

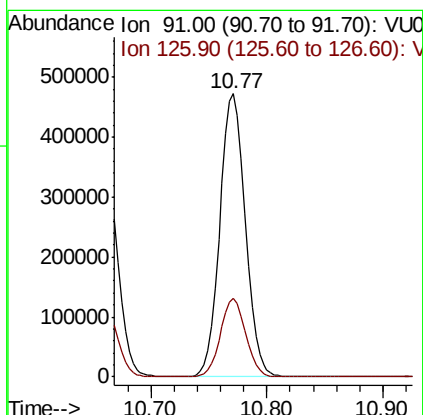
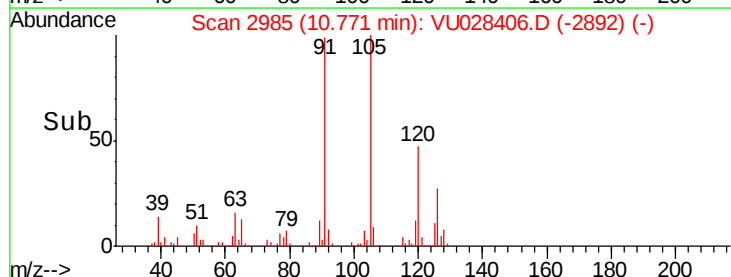
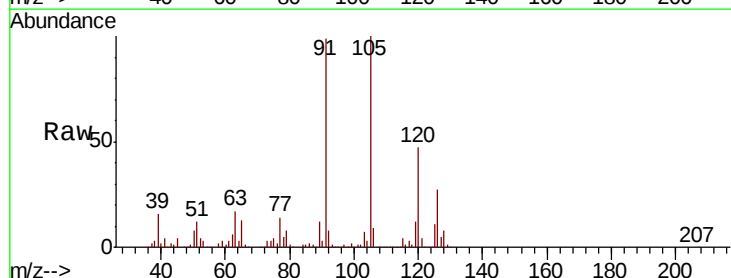
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

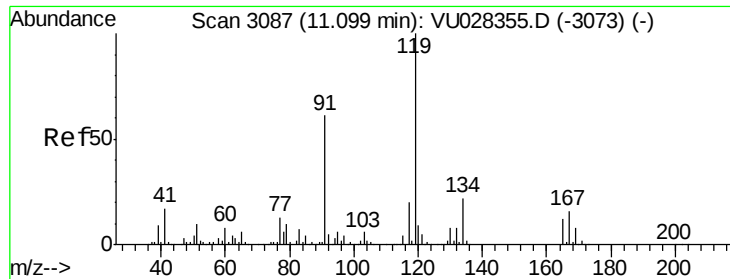
Tot Ion: 75 Resp: 405809
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.443 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 91 Resp: 717853
Ion Ratio Lower Upper
91 100
126 27.5 13.9 41.6

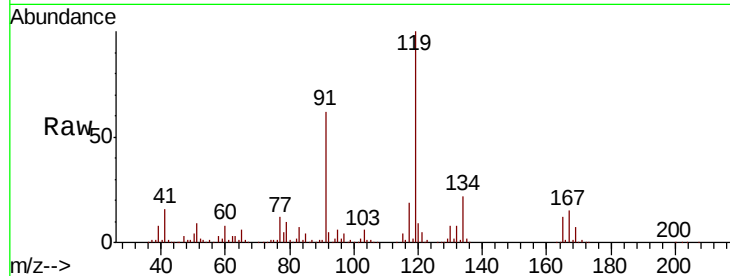




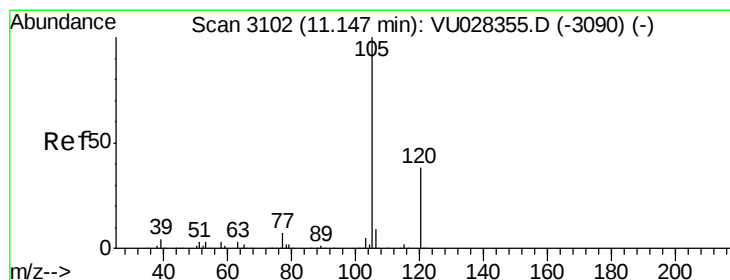
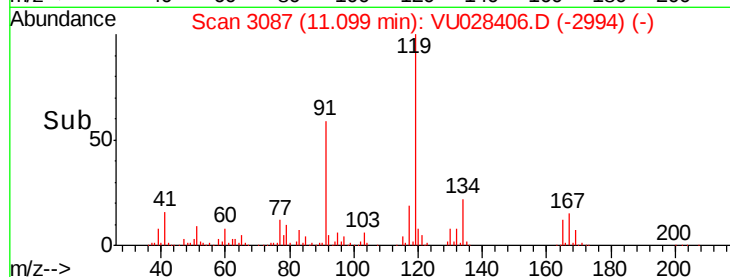
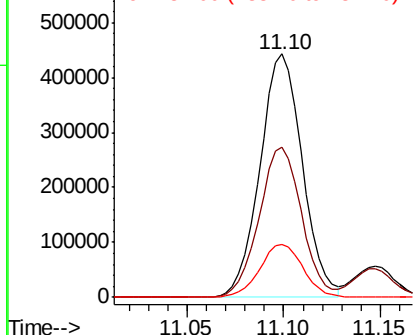
#83
tert-Butylbenzene
Concen: 47.783 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 677850
Ion Ratio Lower Upper
119 100
91 62.0 30.8 92.4
134 22.0 11.1 33.1

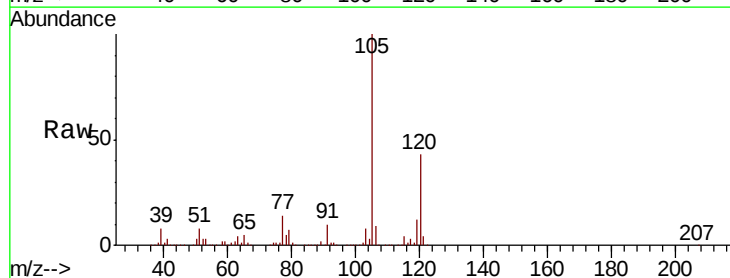


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

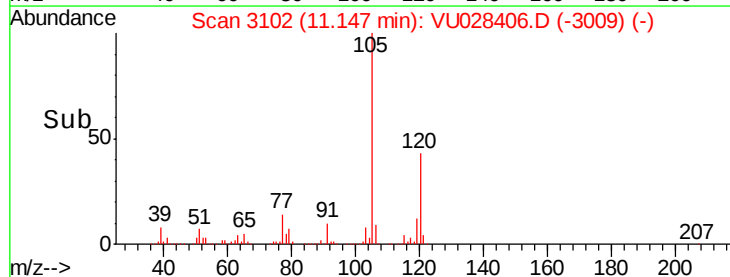
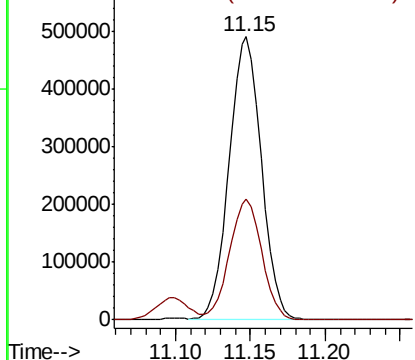


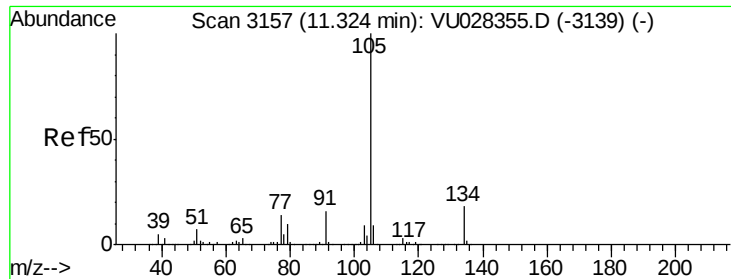
#84
1,2,4-Trimethylbenzene
Concen: 47.758 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:105 Resp: 736139
Ion Ratio Lower Upper
105 100
120 42.6 21.4 64.3



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

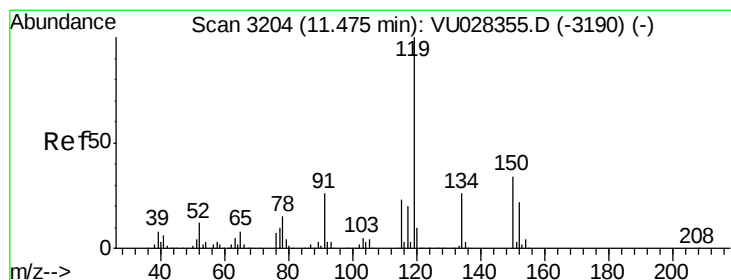
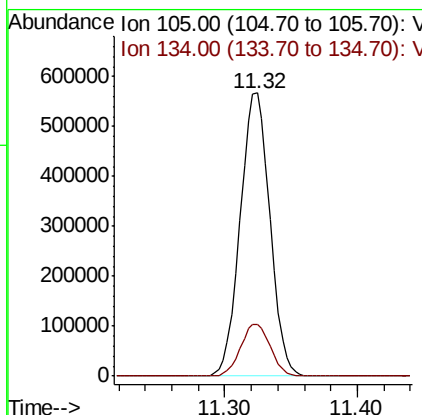
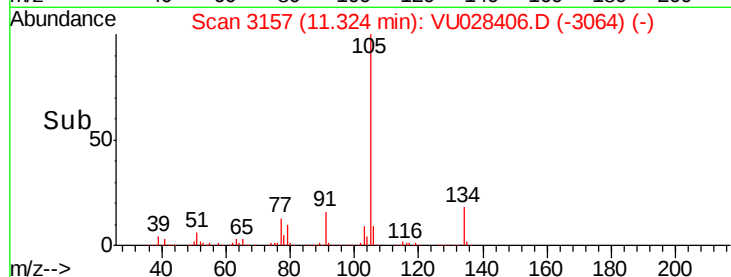
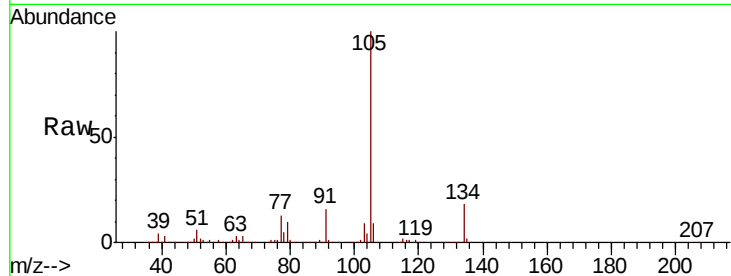




#85
 sec-Butylbenzene
 Concen: 47.747 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

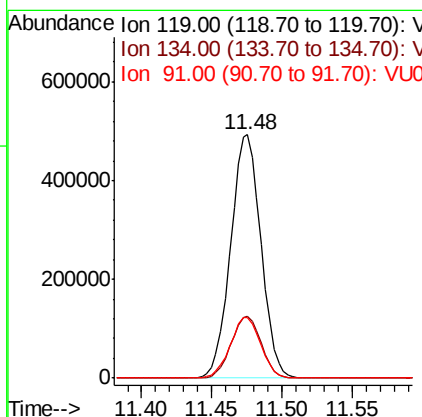
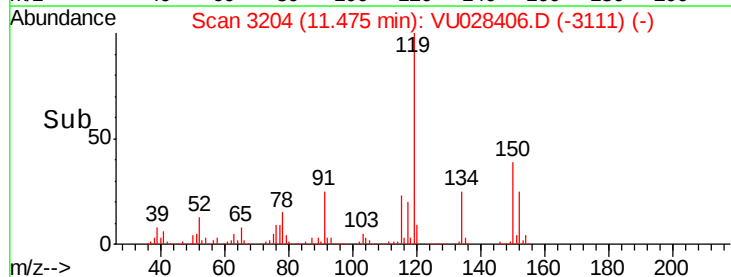
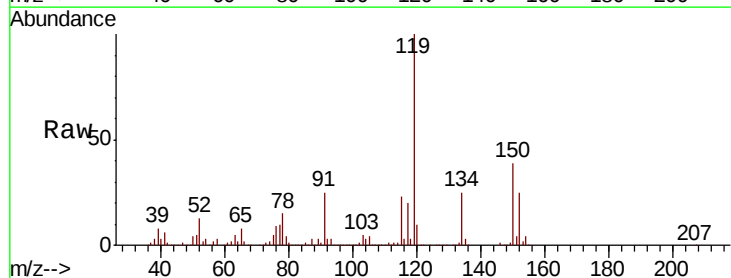
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

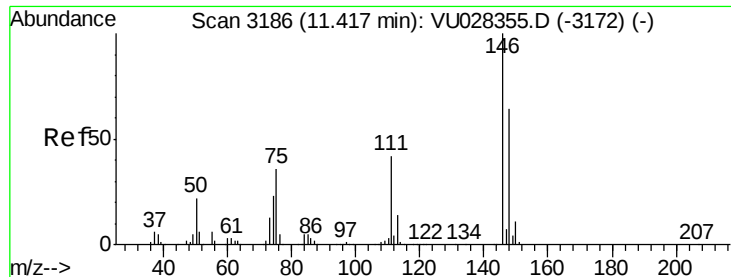
Tot Ion:105 Resp: 879768
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 48.785 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion:119 Resp: 739119
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 25.1 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 47.544 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

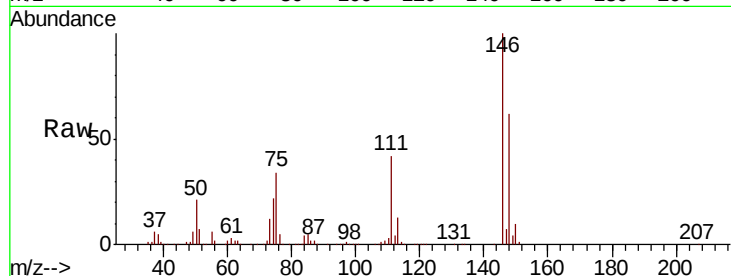
Tot Ion:146 Resp: 368986

Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.4

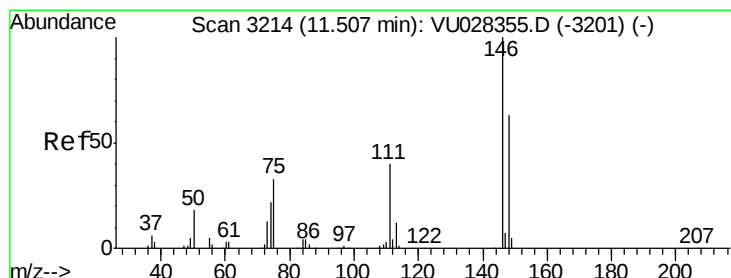
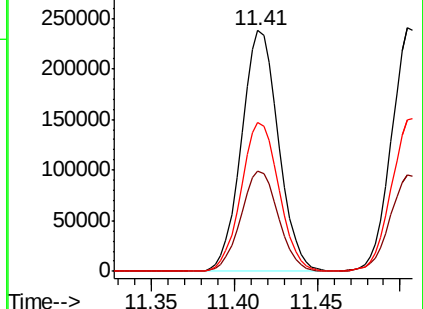
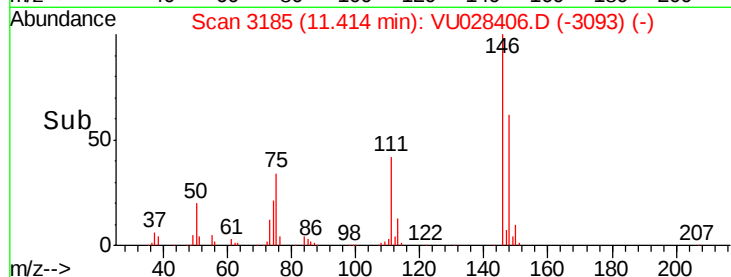
148 63.2 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 47.092 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

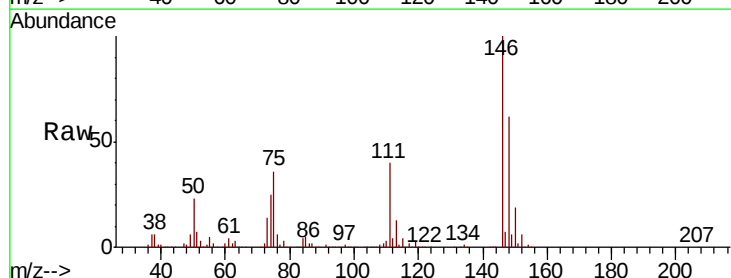
Tgt Ion:146 Resp: 367818

Ion Ratio Lower Upper

146 100

111 41.0 20.6 61.9

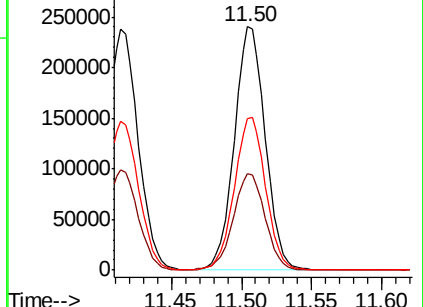
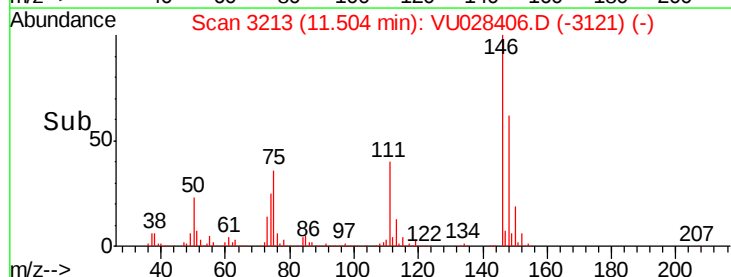
148 63.5 31.1 93.5

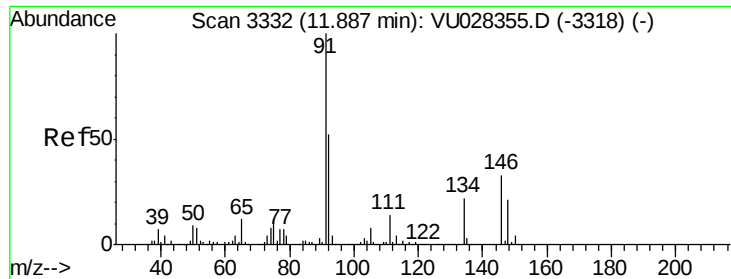


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.082 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

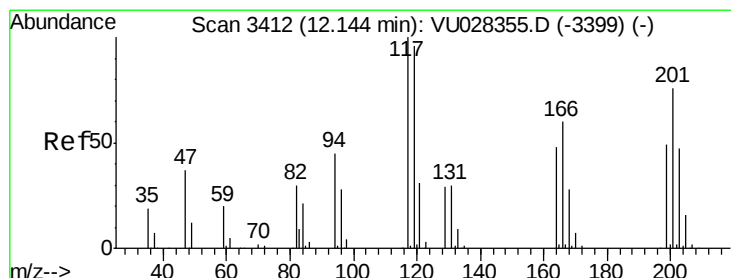
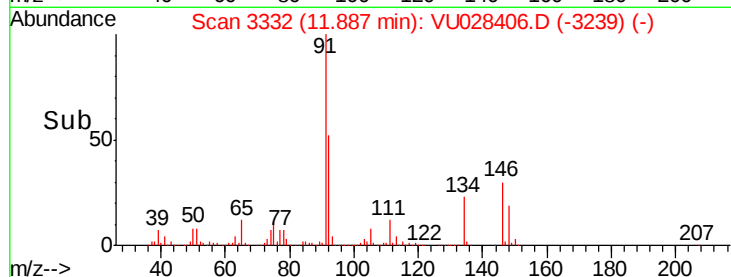
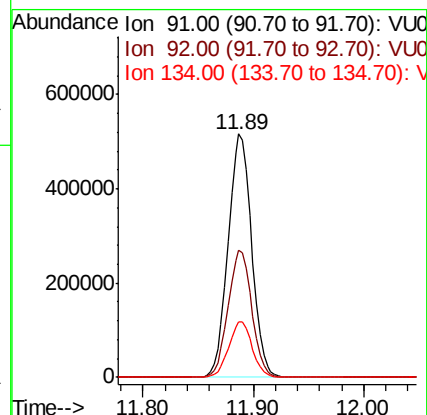
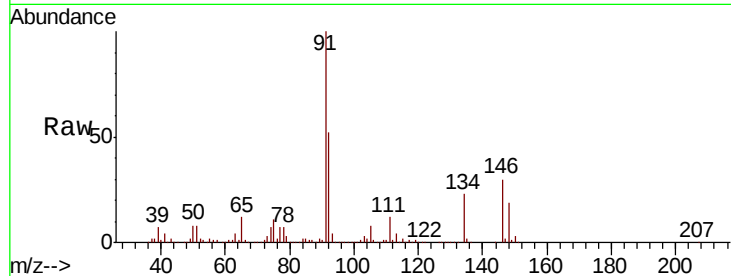
Tot Ion: 91 Resp: 763799

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 22.8 11.1 33.1



#90

Hexachloroethane

Concen: 45.740 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028406.D

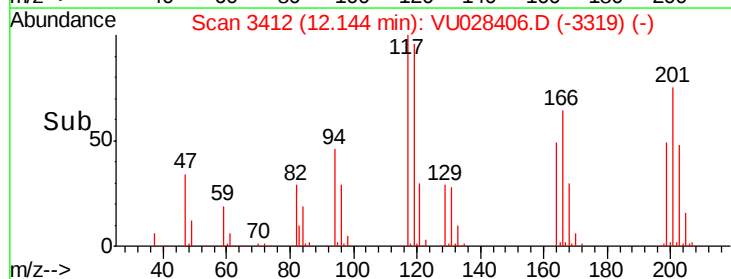
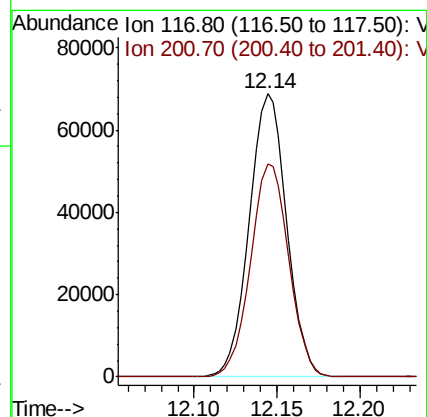
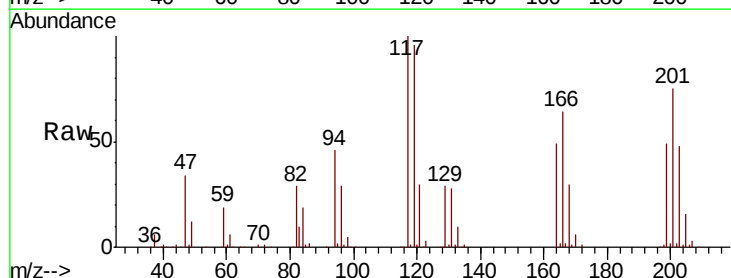
Acq: 29 Nov 2018 20:02

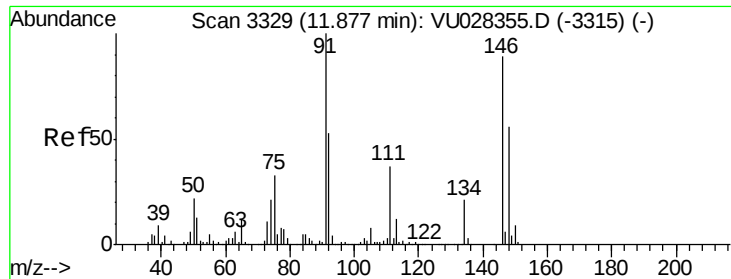
Tgt Ion: 117 Resp: 108191

Ion Ratio Lower Upper

117 100

201 77.0 37.7 113.1

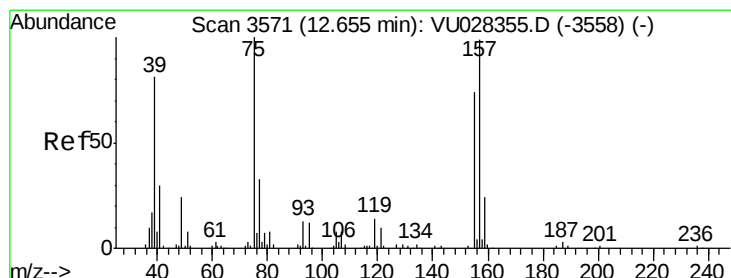
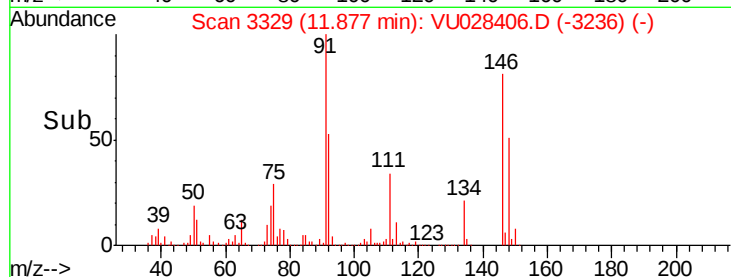
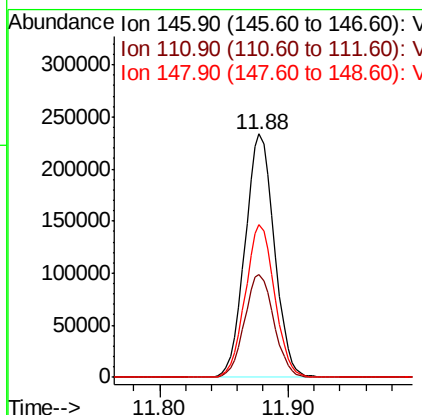
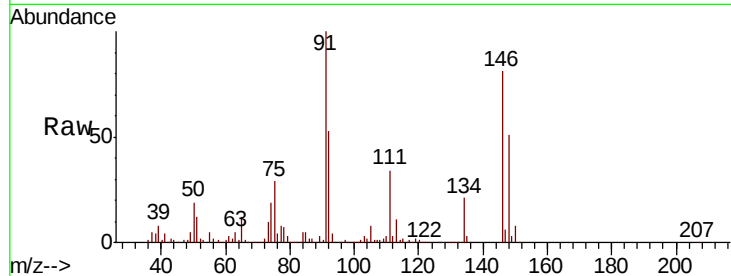




#91
 1,2-Dichlorobenzene
 Concen: 47.661 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

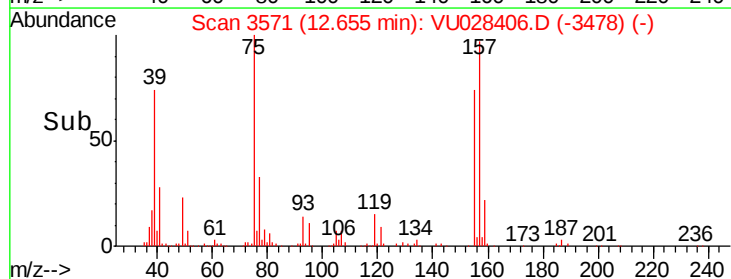
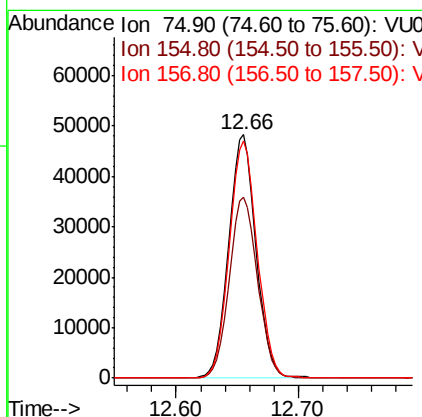
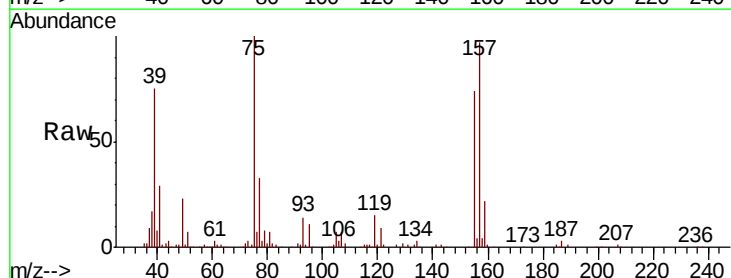
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

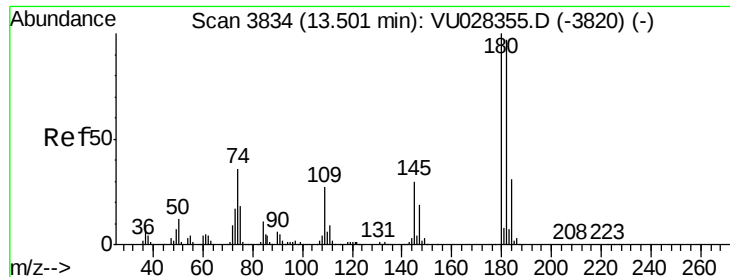
Tot Ion:146 Resp: 369048
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.4 64.3
 148 62.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.856 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 75 Resp: 75747
 Ion Ratio Lower Upper
 75 100
 155 76.6 36.9 110.7
 157 99.1 47.5 142.5

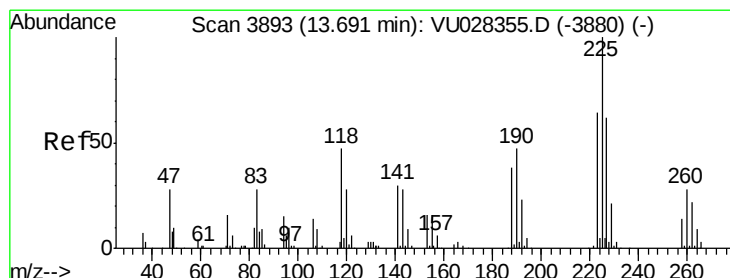
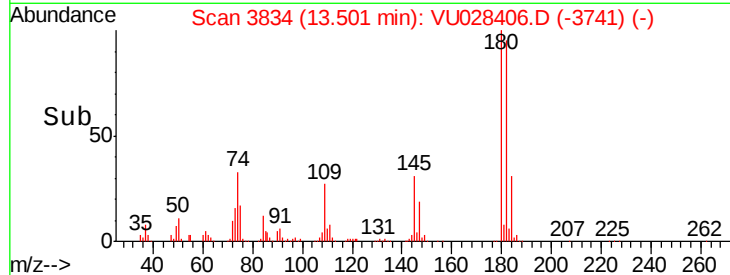
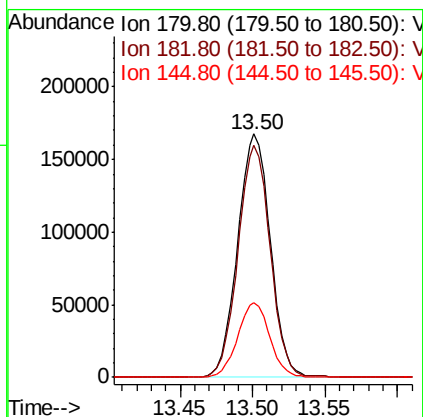
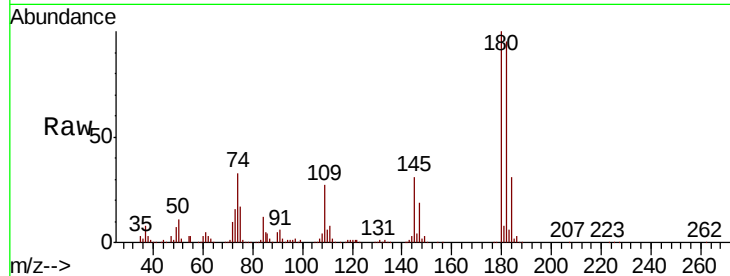




#93
 1,2,4-Trichlorobenzene
 Concen: 51.821 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

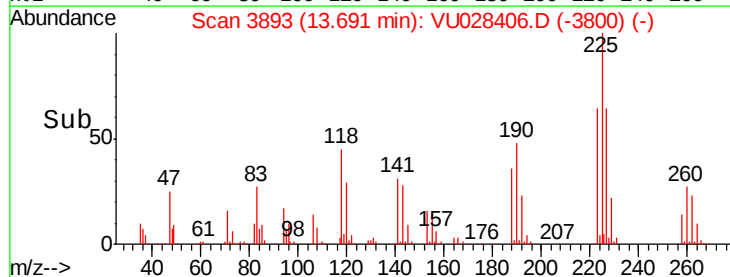
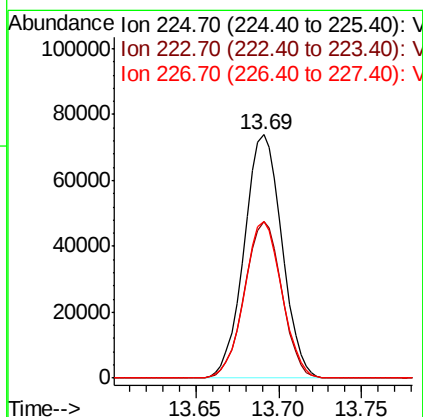
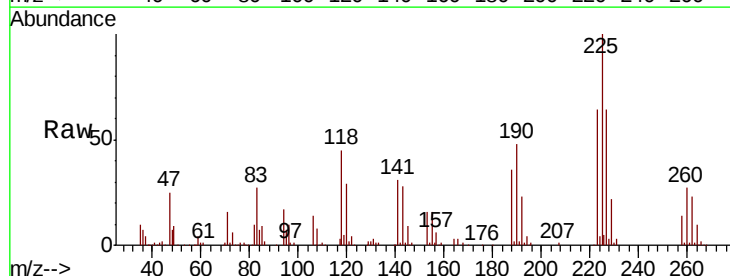
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

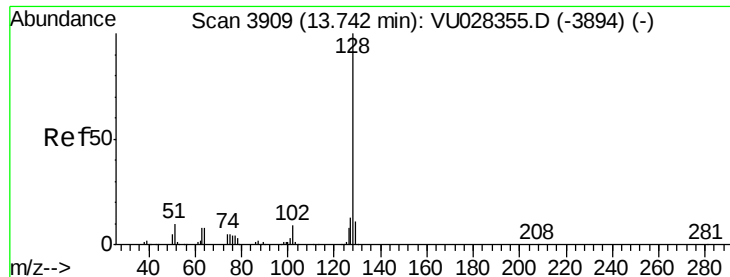
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.3	144.9
145	30.0	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 48.762 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.6	94.7
227	63.8	30.8	92.4





#95

Naphthalene

Concen: 47.772 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

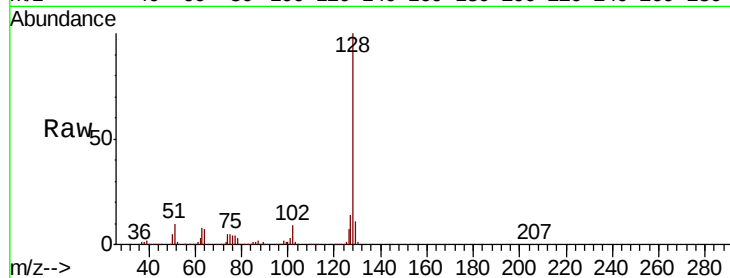
Tot Ion:128 Resp: 930943

Ion Ratio Lower Upper

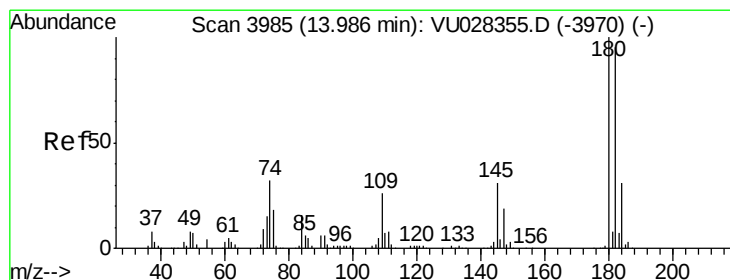
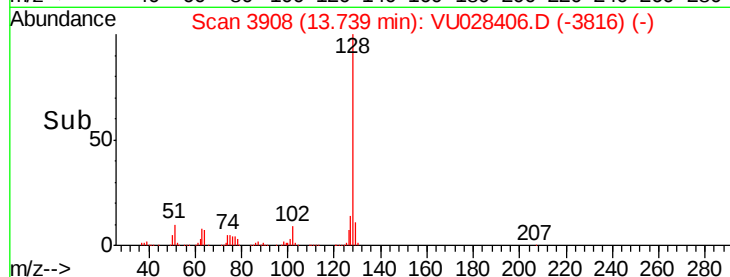
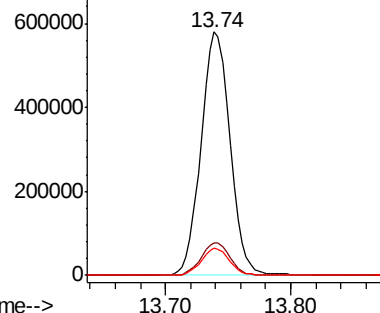
128 100

127 13.4 10.6 15.8

129 10.8 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 51.260 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

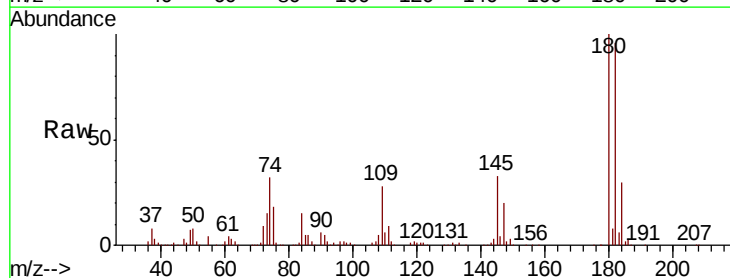
Tgt Ion:180 Resp: 262763

Ion Ratio Lower Upper

180 100

182 94.7 47.7 143.1

145 32.4 15.7 47.1



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

