

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028490.D
 Acq On : 05 Dec 2018 19:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 06 01:37:14 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	287252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	499963	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	481115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	246733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	258620	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.88	113	191904	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
50) Toluene-d8	7.57	98	763941	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	10.30	95	295164	61.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	199389	51.744	ug/l	99
3) Chloromethane	1.33	50	355480	47.593	ug/l	99
4) Vinyl Chloride	1.40	62	273827	52.398	ug/l	99
5) Bromomethane	1.62	94	104008	51.458	ug/l	98
6) Chloroethane	1.69	64	159784	53.136	ug/l	95
7) Trichlorofluoromethane	1.89	101	296092	54.546	ug/l	99
8) Diethyl Ether	2.10	74	141883	56.226	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	181101	57.271	ug/l	98
10) Methyl Iodide	2.41	142	122785	41.176	ug/l	96
11) Tert butyl alcohol	2.82	59	293658	269.255	ug/l	98
12) 1,1-Dichloroethene	2.28	96	177931	57.982	ug/l	93
13) Acrolein	2.20	56	215814	222.582	ug/l	98
14) Allyl chloride	2.59	41	374917	46.761	ug/l	98
15) Acrylonitrile	2.94	53	781050	270.734	ug/l	99
16) Acetone	2.32	43	675008	229.852	ug/l	98
17) Carbon Disulfide	2.48	76	571090	48.484	ug/l	99
18) Methyl Acetate	2.61	43	432185	52.857	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	687013	54.607	ug/l	98
20) Methylene Chloride	2.70	84	229761	55.478	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	195922	55.051	ug/l	91
22) Diisopropyl ether	3.57	45	811763	51.426	ug/l	98
23) Vinyl Acetate	3.52	43	3211995	244.803	ug/l	99
24) 1,1-Dichloroethane	3.45	63	414787	53.297	ug/l	99
25) 2-Butanone	4.26	43	1087097	258.293	ug/l	97
26) 2,2-Dichloropropane	4.23	77	322408	52.163	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	228702	54.337	ug/l	94
28) Bromochloromethane	4.55	49	197738	50.814	ug/l	91
29) Tetrahydrofuran	4.64	42	724797	265.240	ug/l	95
30) Chloroform	4.67	83	378629	52.708	ug/l	97
31) Cyclohexane	5.00	56	397614	49.768	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	307239	53.301	ug/l	99
36) 1,1-Dichloropropene	5.13	75	294759	53.876	ug/l	98
37) Ethyl Acetate	4.38	43	396365	53.162	ug/l	97
38) Carbon Tetrachloride	5.13	117	241338	53.718	ug/l	97

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 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)
39) Methylcyclohexane	6.41	83	356914	55.332	ug/l	96
40) Benzene	5.39	78	898799	55.468	ug/l	100
41) Methacrylonitrile	4.54	41	226457	54.693	ug/l	94
42) 1,2-Dichloroethane	5.40	62	310155	53.132	ug/l	99
43) Isopropyl Acetate	5.55	43	639668	54.141	ug/l	98
44) Trichloroethene	6.19	130	206048	59.323	ug/l	100
45) 1,2-Dichloropropane	6.43	63	251208	52.940	ug/l	98
46) Dibromomethane	6.56	93	152386	55.908	ug/l	98
47) Bromodichloromethane	6.76	83	292411	53.936	ug/l	100
48) Methyl methacrylate	6.62	41	319548	51.922	ug/l	96
49) 1,4-Dioxane	6.61	88	109598	1114.741	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	2027915	268.743	ug/l	96
52) Toluene	7.64	92	536190	57.463	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	352302	54.345	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	381517	54.934	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	213564	54.994	ug/l	98
56) Ethyl methacrylate	8.02	69	377016	57.067	ug/l	97
57) 1,3-Dichloropropane	8.24	76	394259	55.361	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	996008	280.805	ug/l	98
59) 2-Hexanone	8.36	43	1570474	268.683	ug/l	97
60) Dibromochloromethane	8.48	129	202727	54.889	ug/l	100
61) 1,2-Dibromoethane	8.58	107	231993	58.328	ug/l	98
64) Tetrachloroethene	8.22	164	180128	56.917	ug/l	99
65) Chlorobenzene	9.12	112	559159	55.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	186499	54.463	ug/l	99
67) Ethyl Benzene	9.25	91	1040152	55.282	ug/l	100
68) m/p-Xylenes	9.37	106	760483	112.293	ug/l	98
69) o-Xylene	9.78	106	370429	55.022	ug/l	99
70) Styrene	9.79	104	614621	56.607	ug/l	99
71) Bromoform	9.96	173	157611	54.760	ug/l	# 99
73) Isopropylbenzene	10.16	105	983641	51.259	ug/l	99
74) N-amyl acetate	10.01	43	557899	46.402	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	381752	48.376	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	464960	67.956	ug/l	78
77) Bromobenzene	10.45	156	237877	52.608	ug/l	94
78) n-propylbenzene	10.58	91	1231073	52.003	ug/l	99
79) 2-Chlorotoluene	10.66	91	703781	50.431	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	832941	51.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	464960	180.388	ug/l	# 100
82) 4-Chlorotoluene	10.77	91	821493	51.092	ug/l	99
83) tert-Butylbenzene	11.10	119	778415	51.637	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	840941	51.342	ug/l	97
85) sec-Butylbenzene	11.32	105	1016699	51.926	ug/l	100
86) p-Isopropyltoluene	11.48	119	865978	53.789	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	435492	52.806	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	441129	53.149	ug/l	98
89) n-Butylbenzene	11.89	91	879713	55.366	ug/l	99
90) Hexachloroethane	12.14	117	126245	50.227	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	431873	52.487	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	86341	49.189	ug/l	95

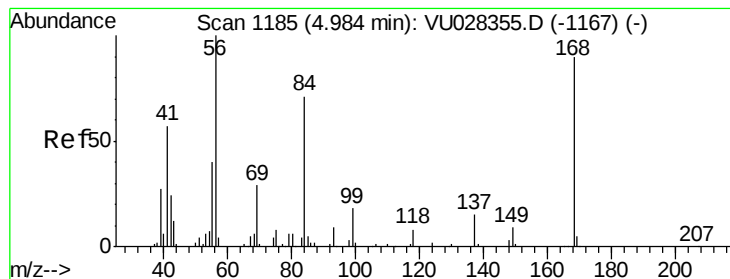
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120518\
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	309853	57.531	ug/l	99
94) Hexachlorobutadiene	13.69	225	138540	54.475	ug/l	99
95) Naphthalene	13.74	128	1082206	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	314509	57.738	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: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

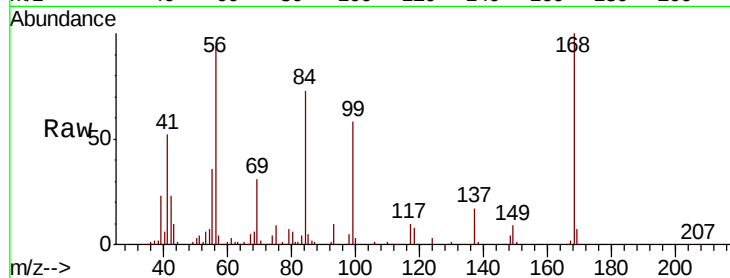
VSTDCCC050EC

Tot Ion:168 Resp: 287252

Ion Ratio Lower Upper

168 100

99 57.8 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028490.D (-1092) (-)

4.98

150000

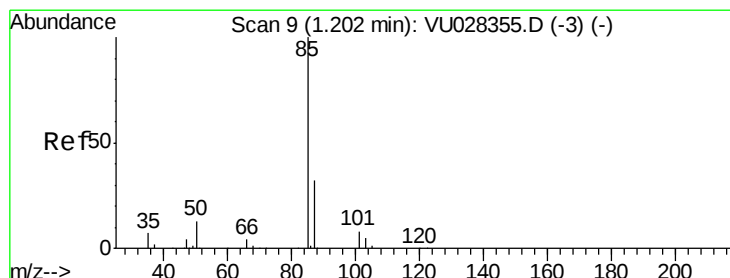
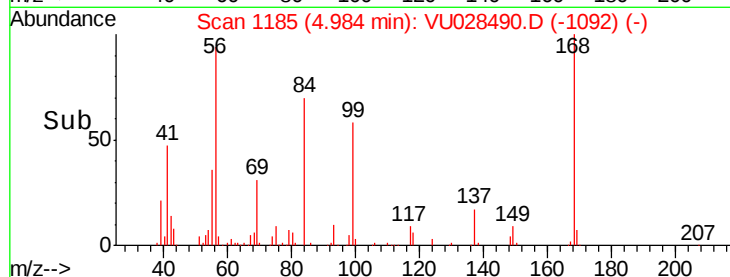
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.744 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028490.D

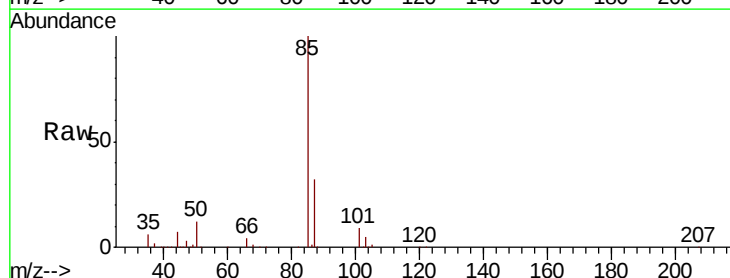
Acq: 05 Dec 2018 19:02

Tgt Ion: 85 Resp: 199389

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



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

Ion 86.90 (86.60 to 87.60): VU028490.D (-1) (-)

1.21

200000

150000

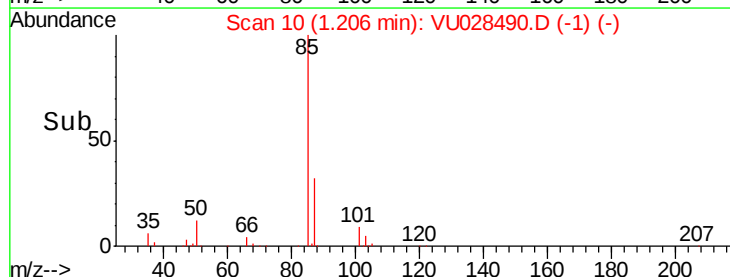
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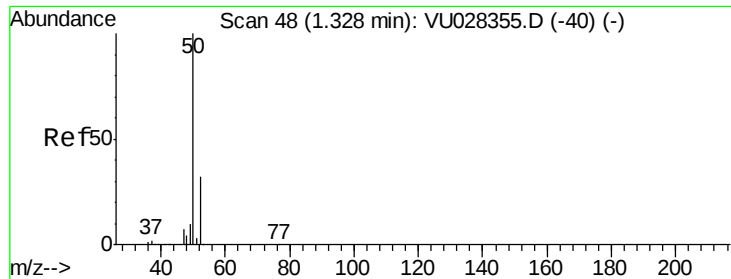
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.593 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

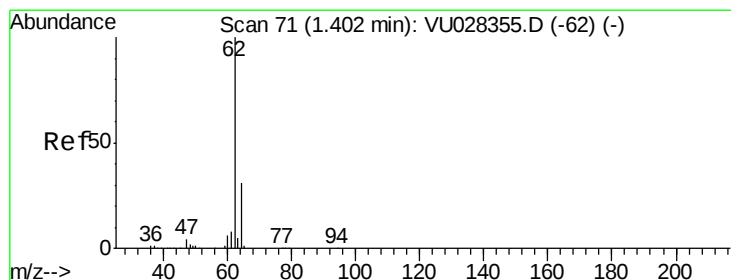
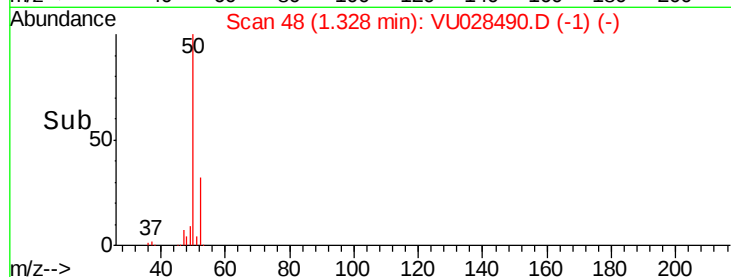
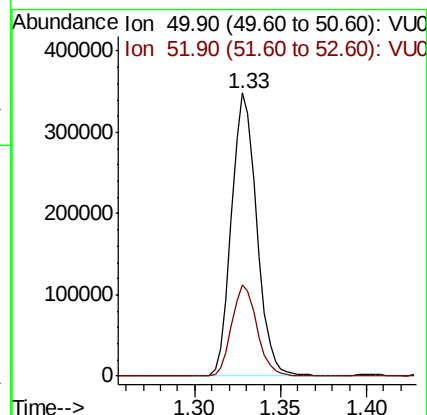
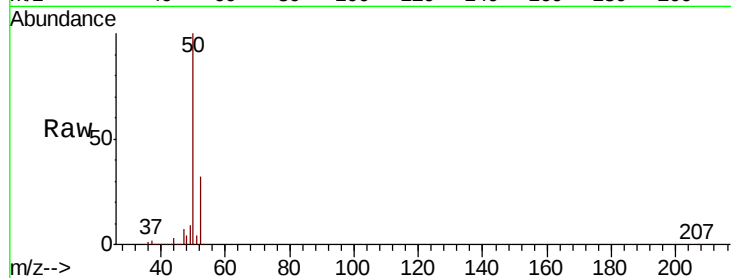
VSTDCCC050EC

Tot Ion: 50 Resp: 355480

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 52.398 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028490.D

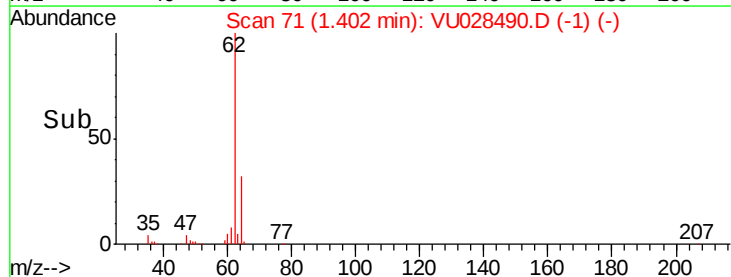
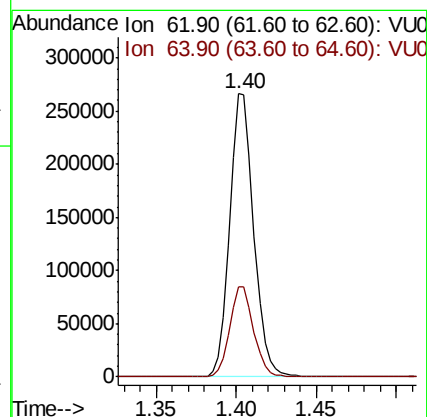
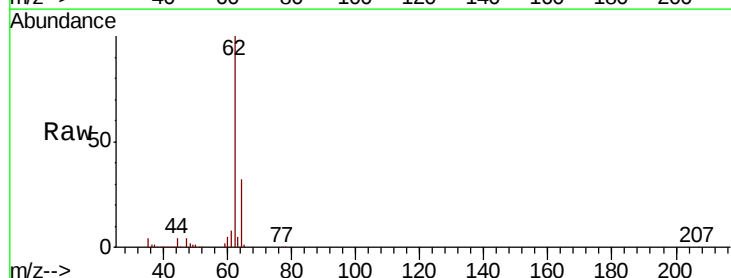
Acq: 05 Dec 2018 19:02

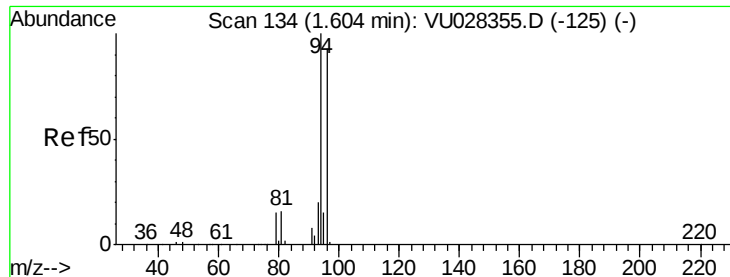
Tgt Ion: 62 Resp: 273827

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 51.458 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

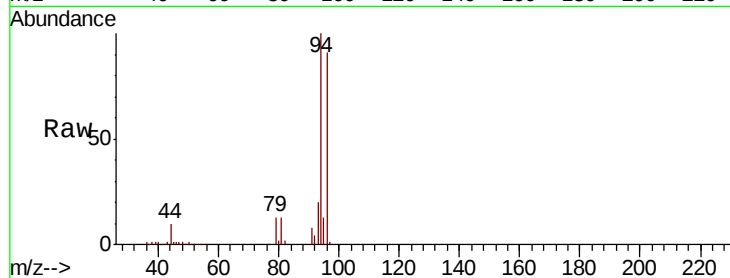
VSTDCCC050EC

Tot Ion: 94 Resp: 104008

Ion Ratio Lower Upper

94 100

96 91.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

80000

60000

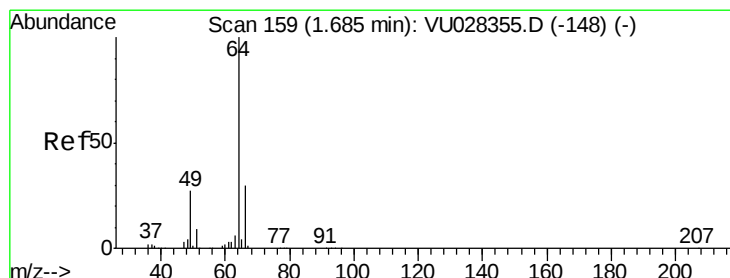
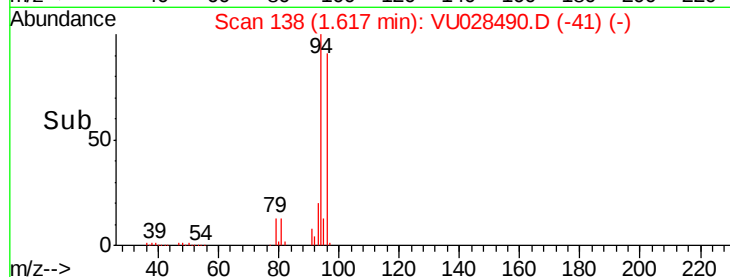
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 53.136 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028490.D

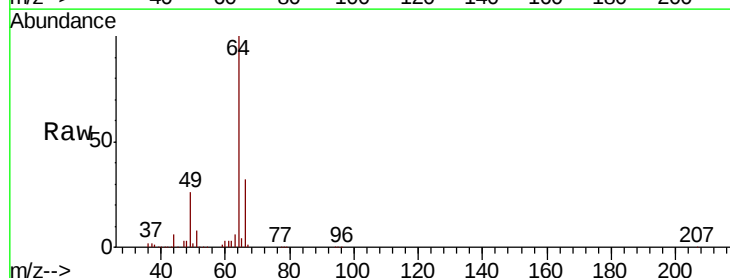
Acq: 05 Dec 2018 19:02

Tgt Ion: 64 Resp: 159784

Ion Ratio Lower Upper

64 100

66 32.0 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

150000

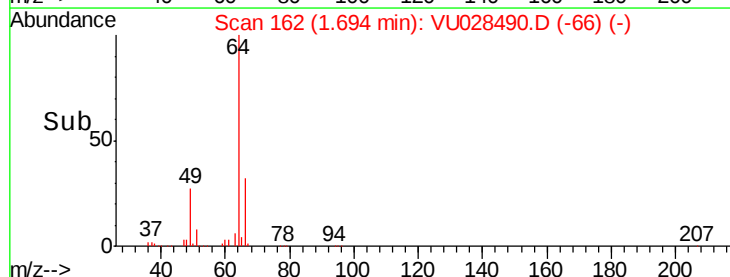
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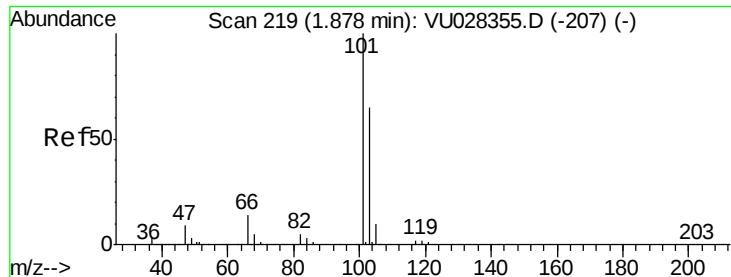
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0

Time-->

1.65 1.70 1.75



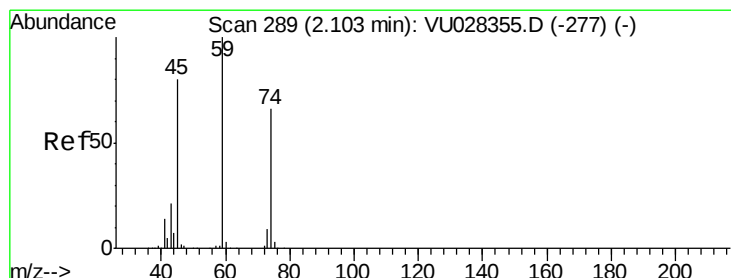
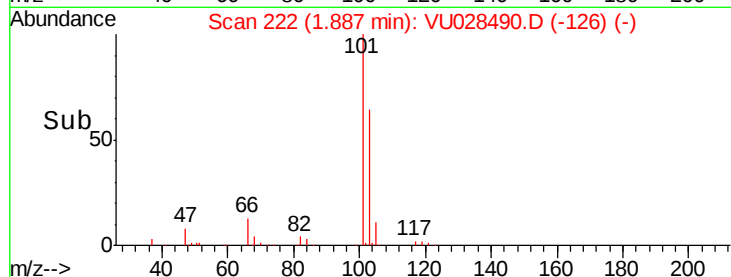
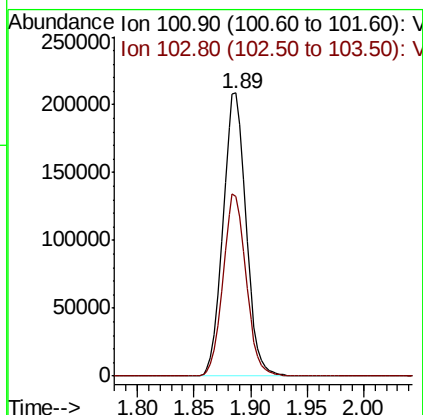
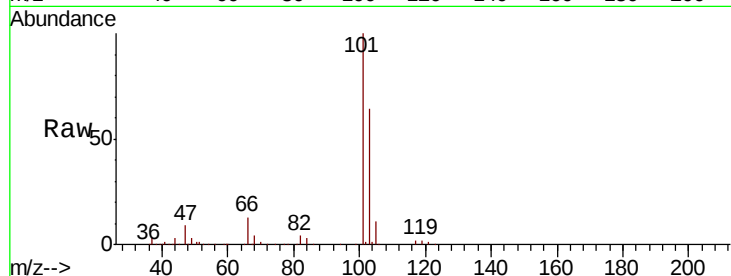


#7

Trichlorofluoromethane
 Concen: 54.546 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
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 VSTDCCC050EC

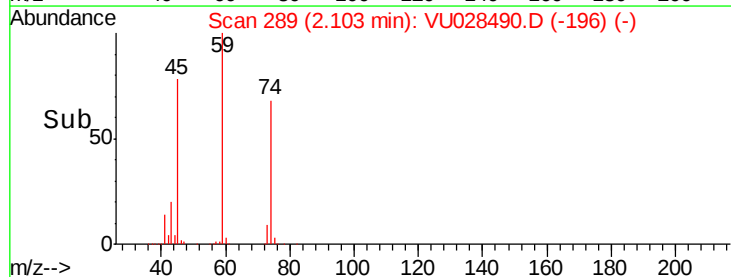
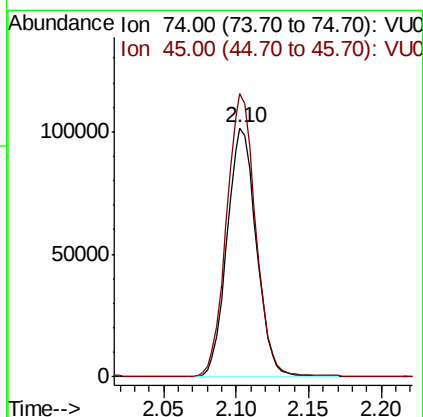
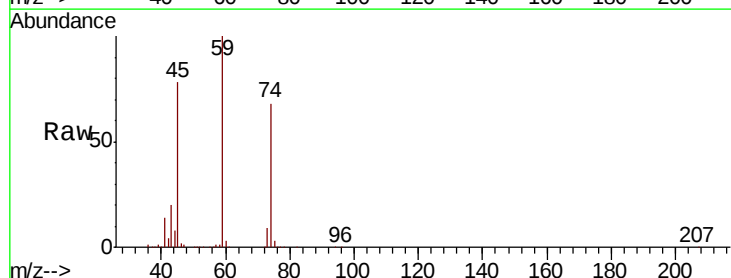
Tot Ion:101 Resp: 296092
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.6 77.4

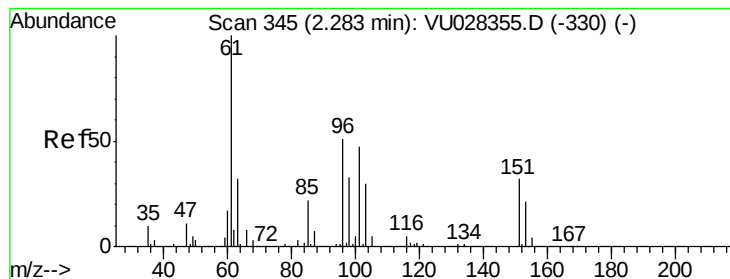


#8

Diethyl Ether
 Concen: 56.226 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 74 Resp: 141883
 Ion Ratio Lower Upper
 74 100
 45 112.5 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.271 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

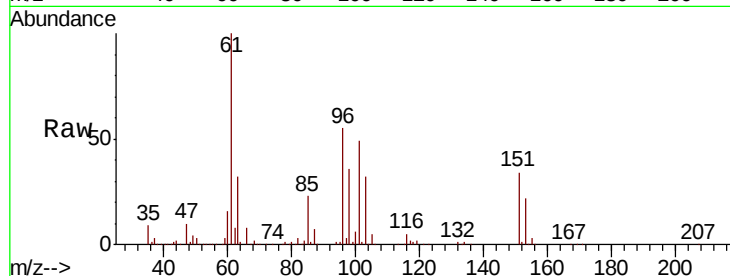
Tot Ion:101 Resp: 181101

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

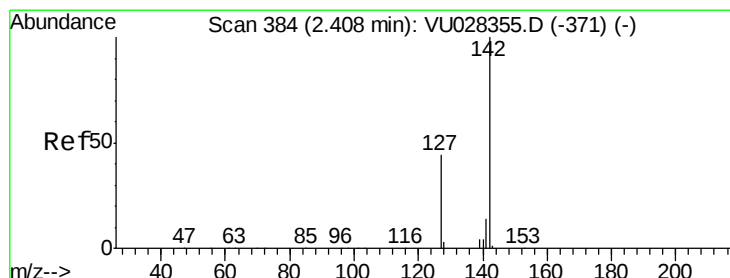
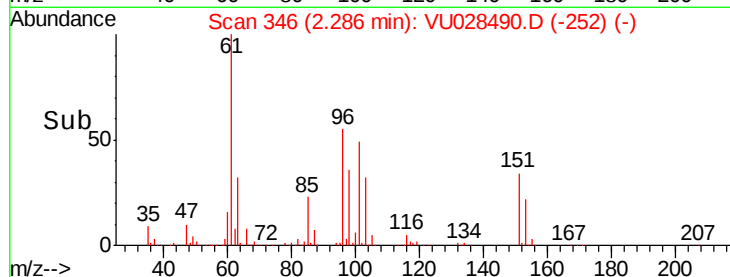
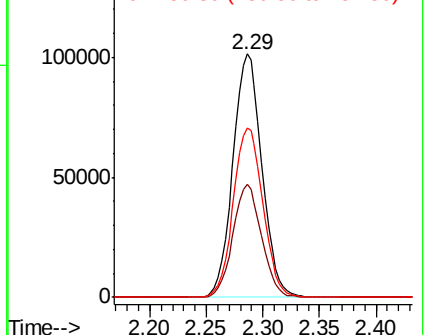
151 71.3 55.4 83.0



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: 41.176 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

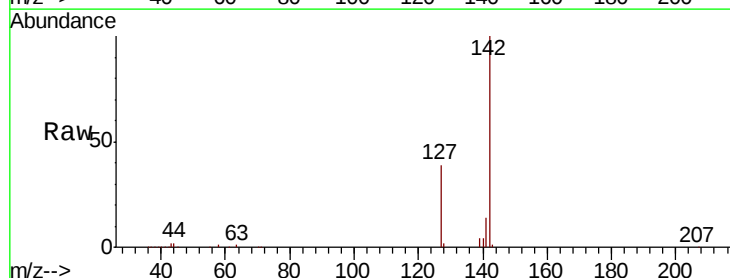
Tgt Ion:142 Resp: 122785

Ion Ratio Lower Upper

142 100

127 40.8 35.0 52.6

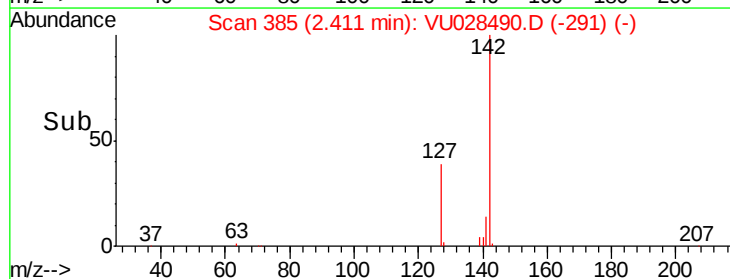
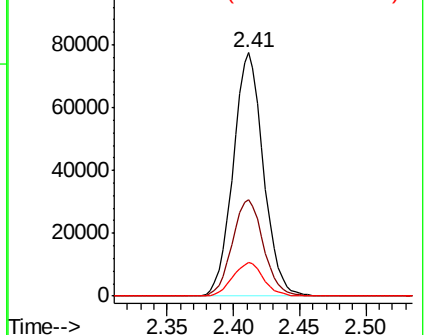
141 14.1 11.2 16.8

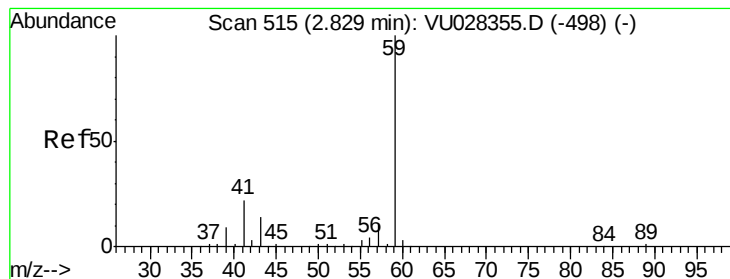


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



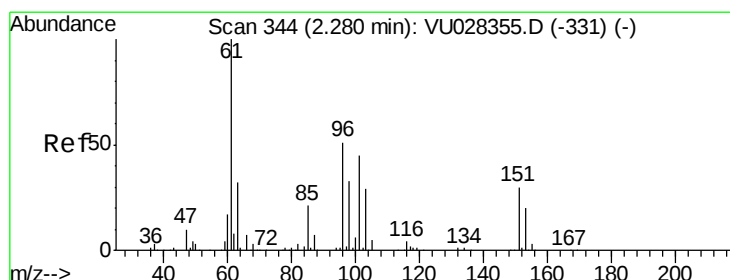
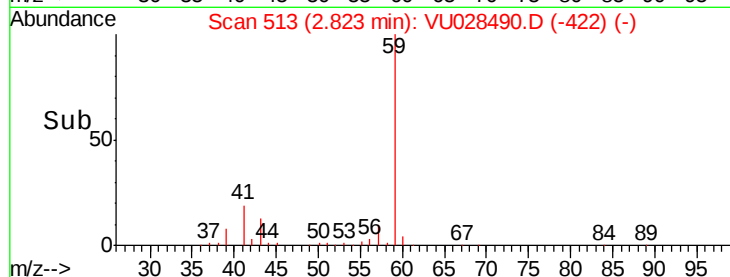
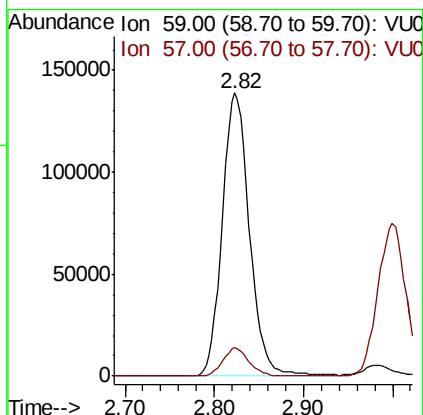
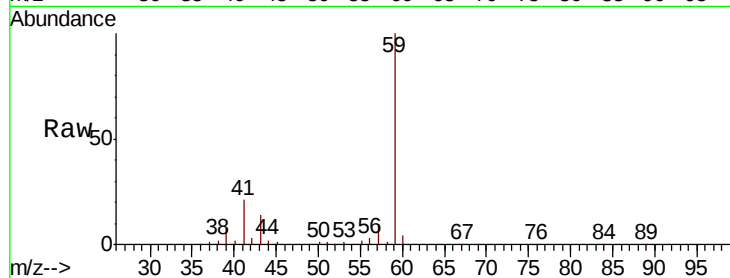


#11

Tert butyl alcohol
 Concen: 269.255 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

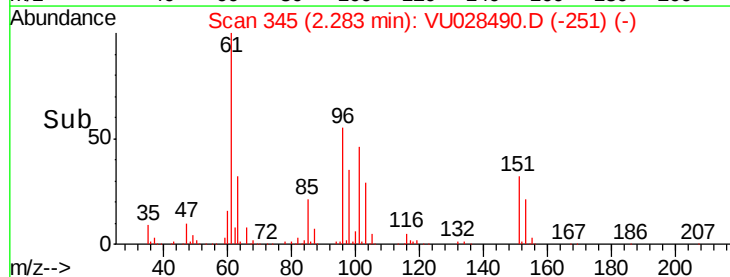
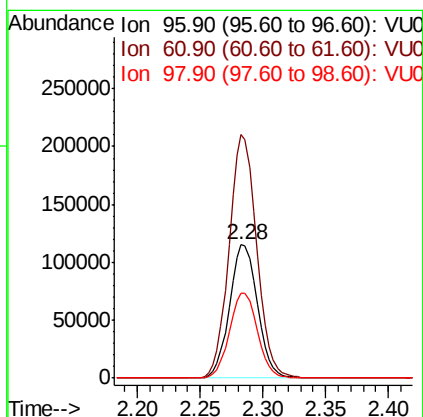
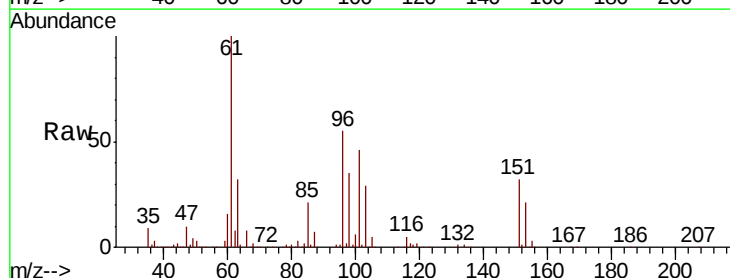
Tot Ion: 59 Resp: 293658
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.3 12.5

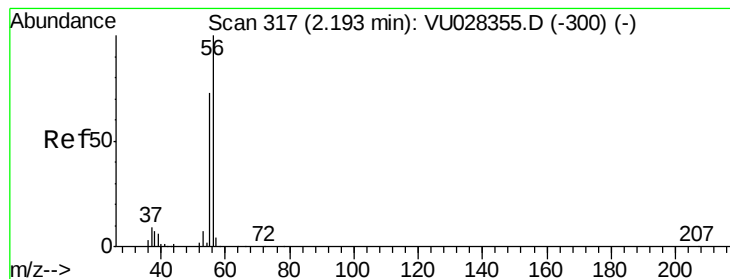


#12

1,1-Dichloroethene
 Concen: 57.982 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 96 Resp: 177931
 Ion Ratio Lower Upper
 96 100
 61 183.1 158.1 237.1
 98 63.9 51.4 77.2





#13

Acrolein

Concen: 222.582 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

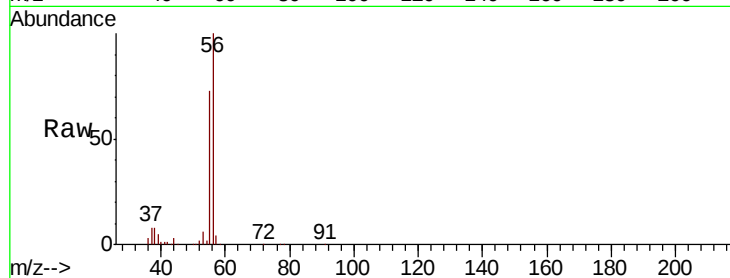
VSTDCCC050EC

Tot Ion: 56 Resp: 215814

Ion Ratio Lower Upper

56 100

55 72.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

150000

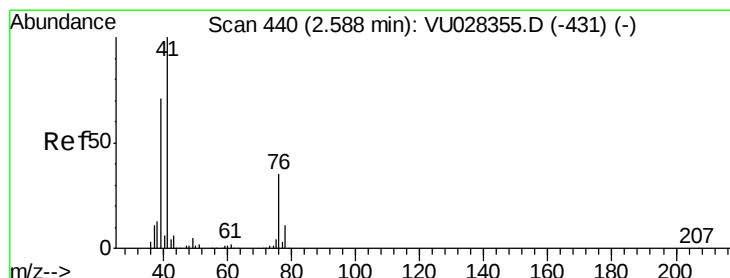
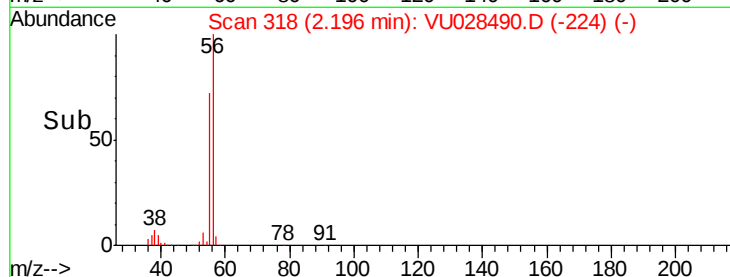
100000

50000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 46.761 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

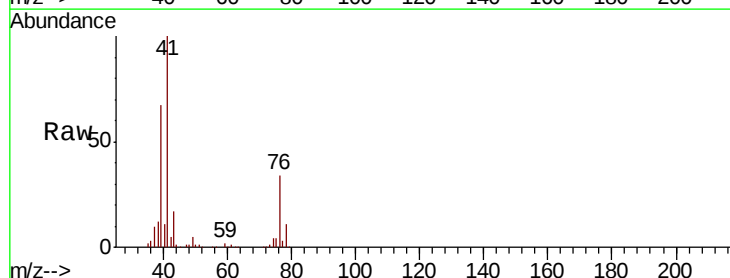
Tgt Ion: 41 Resp: 374917

Ion Ratio Lower Upper

41 100

39 65.4 51.6 77.4

76 32.6 24.4 36.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

300000

250000

200000

150000

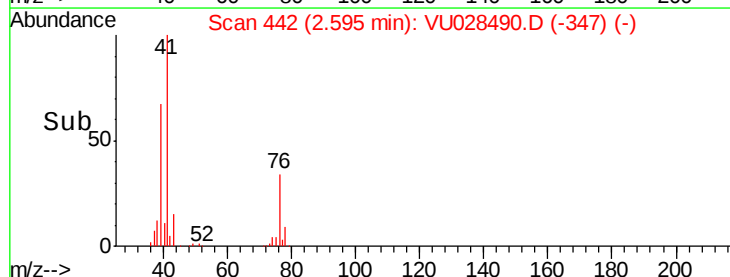
100000

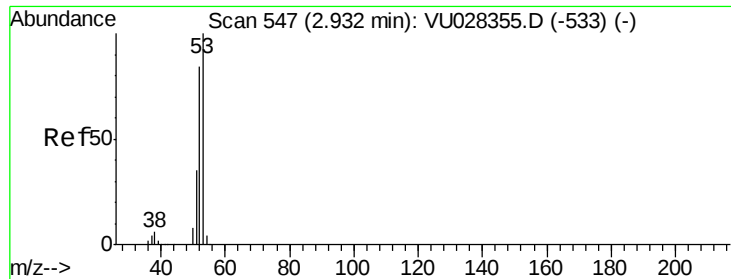
50000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 270.734 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

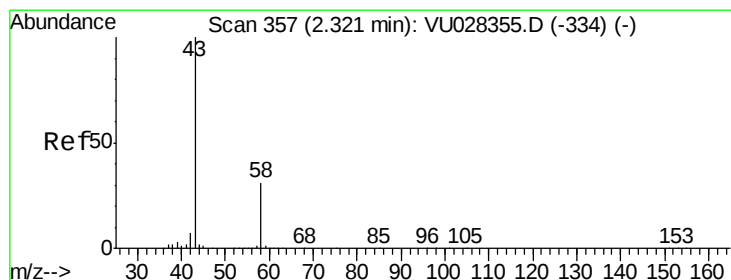
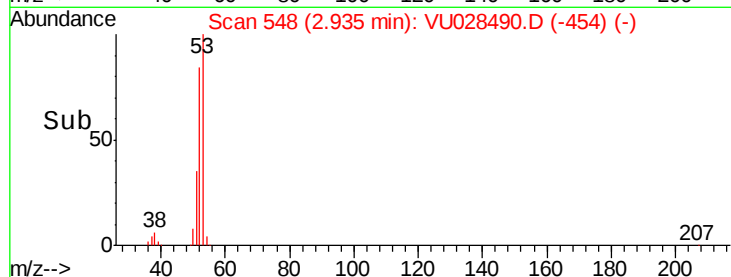
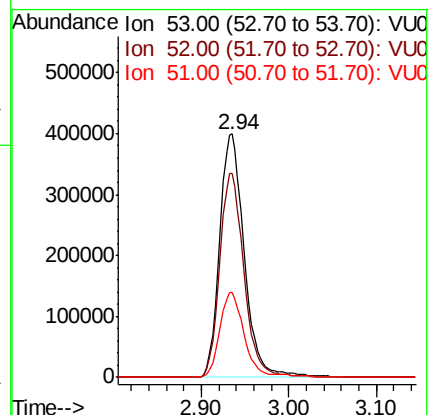
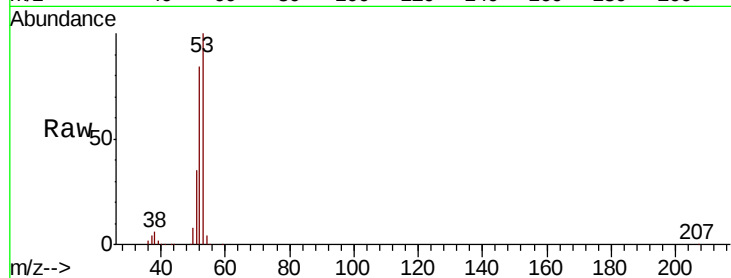
MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 781050

Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	35.1	27.8	41.6



#16

Acetone

Concen: 229.852 ug/l

RT: 2.32 min Scan# 357

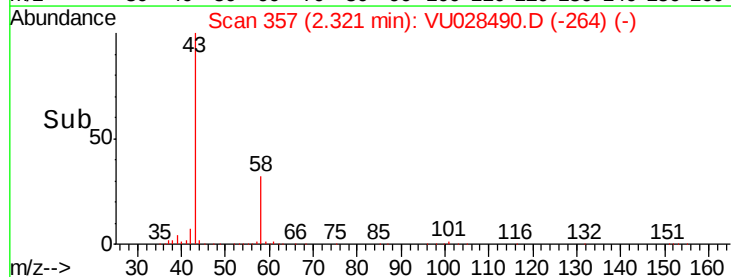
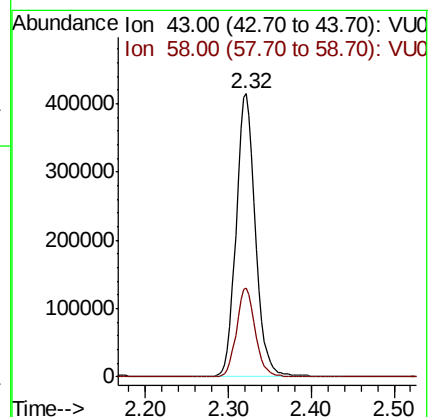
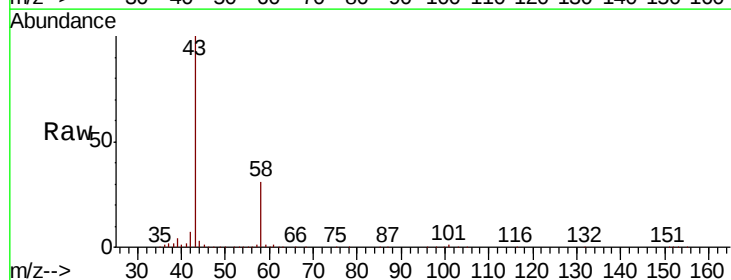
Delta R.T. -0.00 min

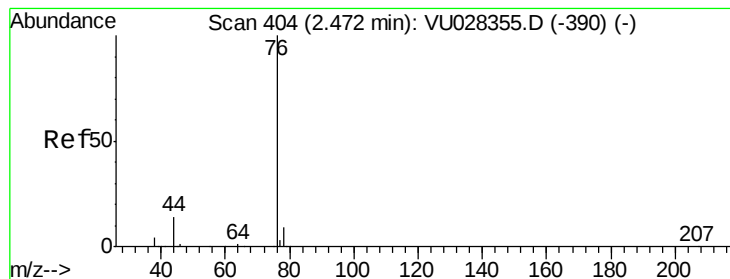
Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion: 43 Resp: 675008

Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.4	36.6





#17

Carbon Disulfide

Concen: 48.484 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

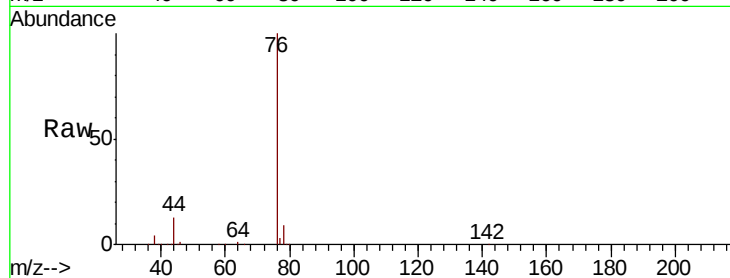
VSTDCCC050EC

Tot Ion: 76 Resp: 571090

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU028355.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028355.D (-390) (-)

2.48

400000

300000

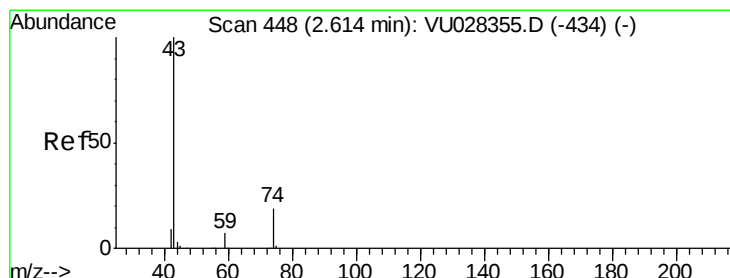
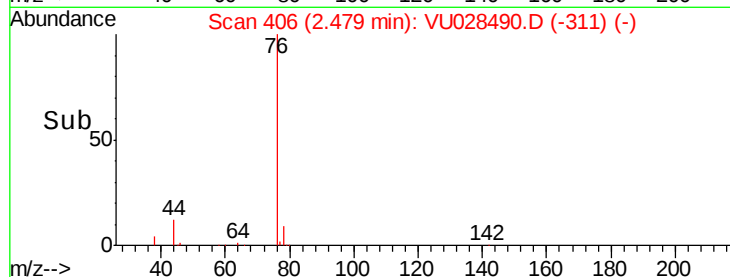
200000

100000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 52.857 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028490.D

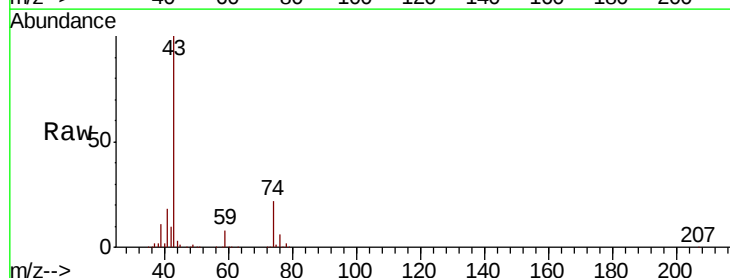
Acq: 05 Dec 2018 19:02

Tgt Ion: 43 Resp: 432185

Ion Ratio Lower Upper

43 100

74 21.8 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028355.D (-434) (-)

2.61

300000

250000

200000

150000

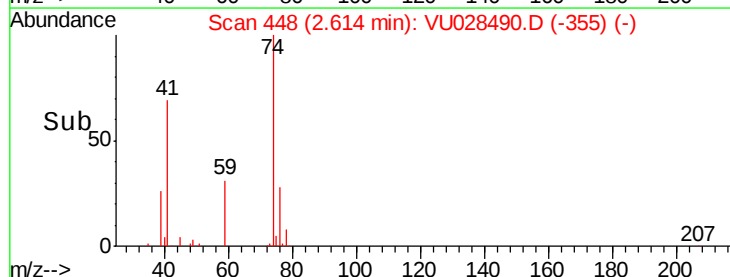
100000

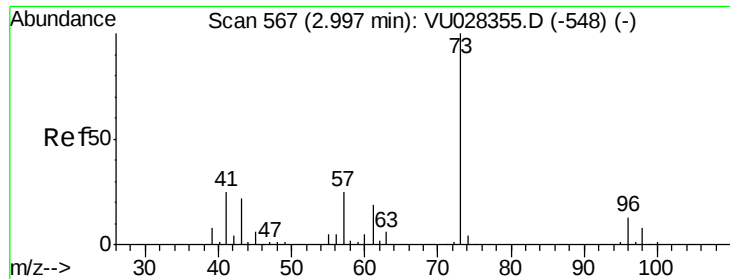
50000

0

2.55 2.60 2.65 2.70

Time-->

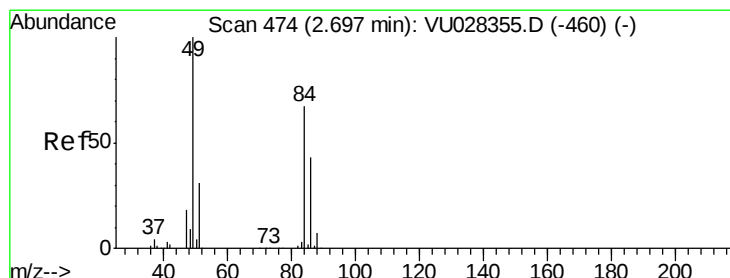
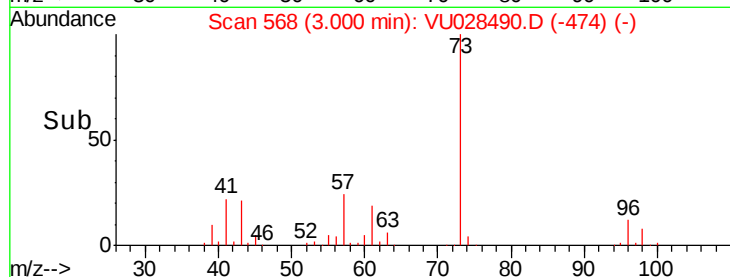
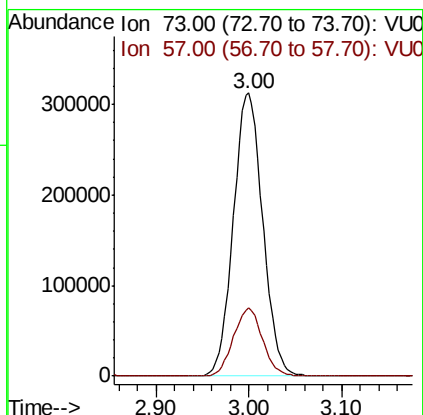
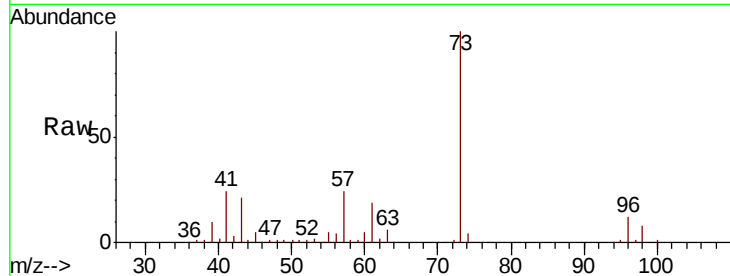




#19
Methyl tert-butyl Ether
Concen: 54.607 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

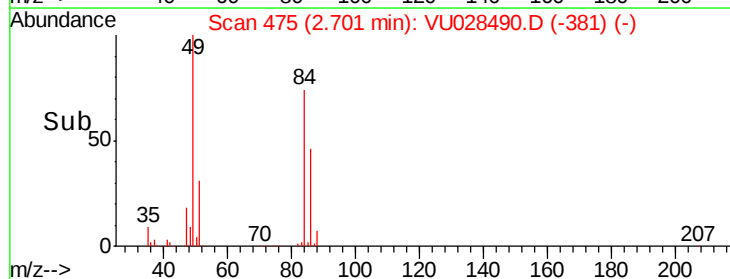
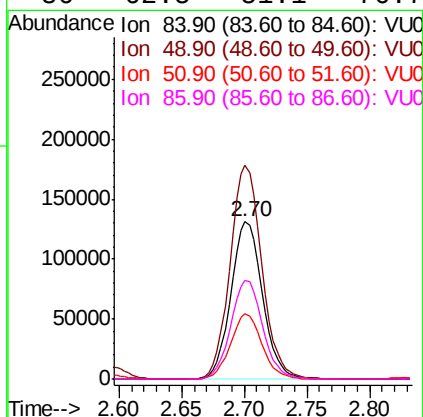
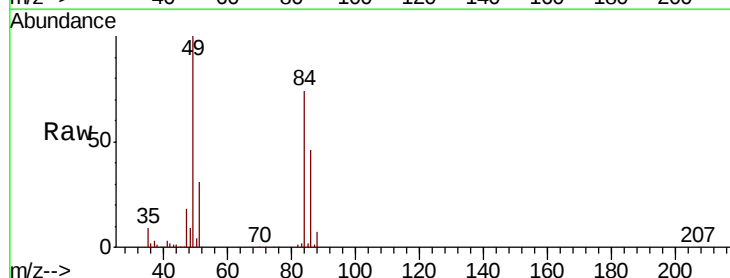
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

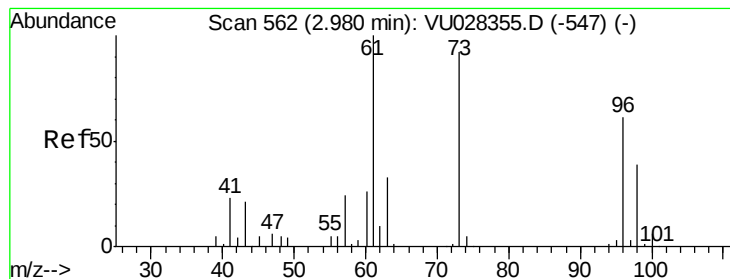
Tot Ion: 73 Resp: 687013
Ion Ratio Lower Upper
73 100
57 24.1 20.1 30.1



#20
Methylene Chloride
Concen: 55.478 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 84 Resp: 229761
Ion Ratio Lower Upper
84 100
49 135.7 120.0 180.0
51 41.4 36.9 55.3
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 55.051 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

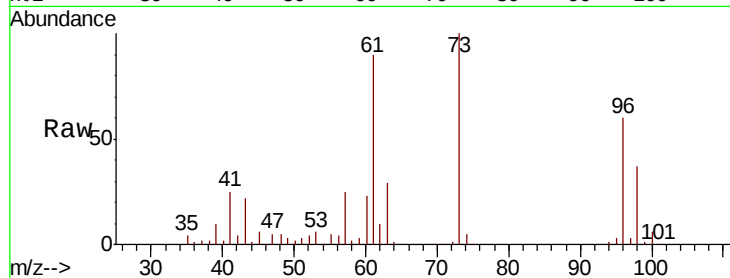
Tot Ion: 96 Resp: 195922

Ion Ratio Lower Upper

96 100

61 149.3 131.1 196.7

98 61.6 51.7 77.5

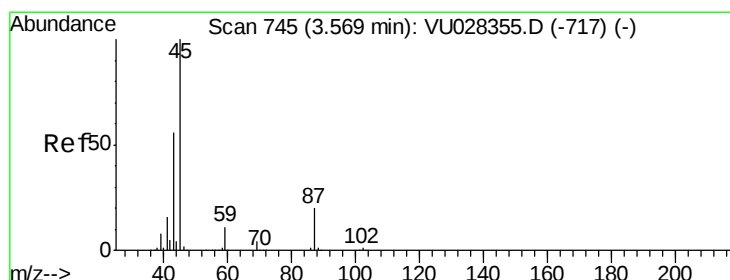
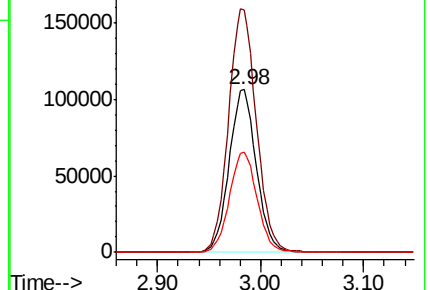
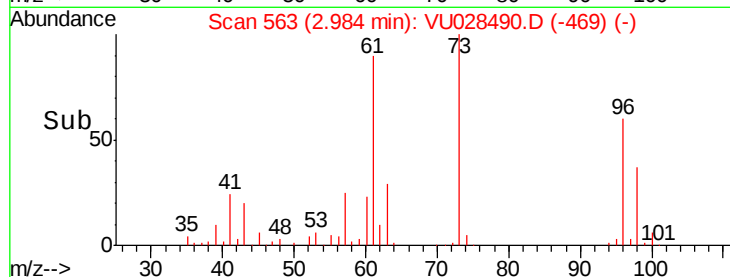


Abundance

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: 51.426 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Tgt Ion: 45 Resp: 811763

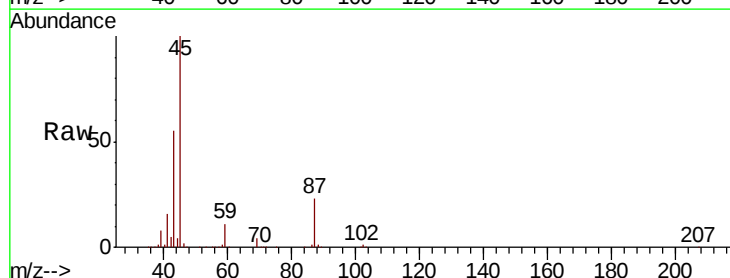
Ion Ratio Lower Upper

45 100

43 55.1 44.8 67.2

87 22.7 16.3 24.5

59 10.7 8.6 12.8



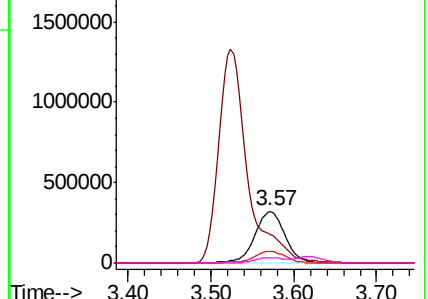
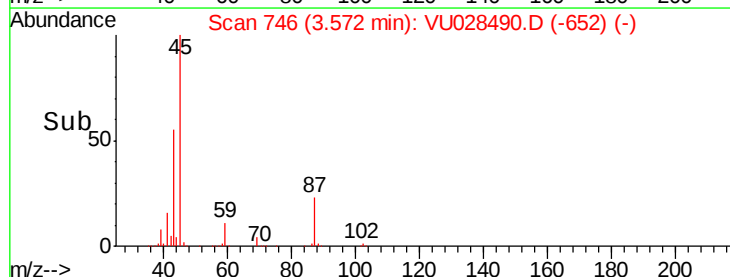
Abundance

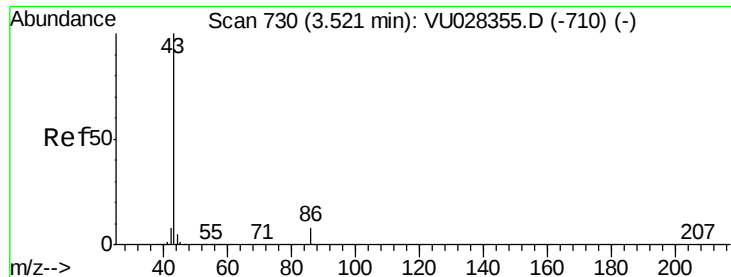
Ion 45.00 (44.70 to 45.70): VU0

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: 244.803 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

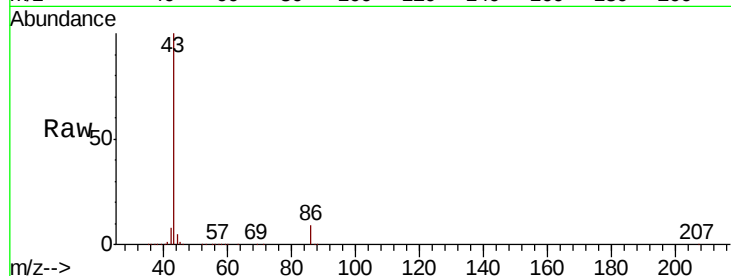
VSTDCCC050EC

Tot Ion: 43 Resp: 3211995

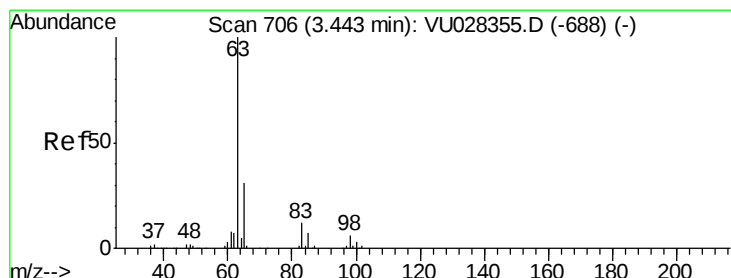
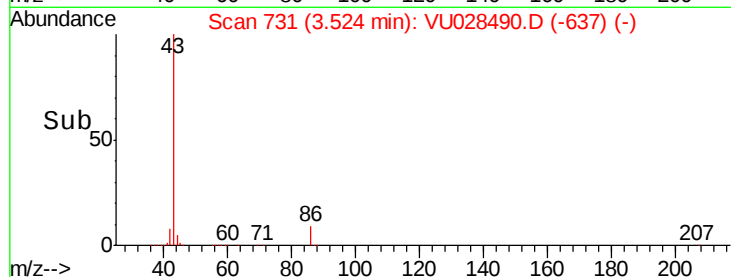
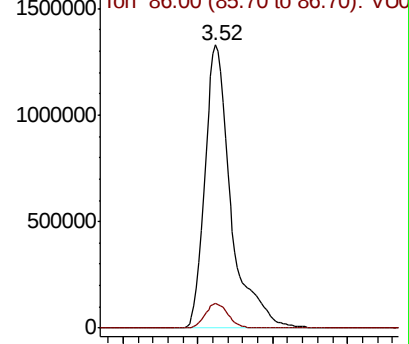
Ion Ratio Lower Upper

43 100

86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028490.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 53.297 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

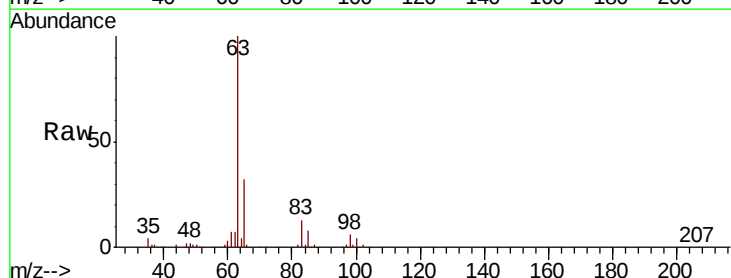
Tgt Ion: 63 Resp: 414787

Ion Ratio Lower Upper

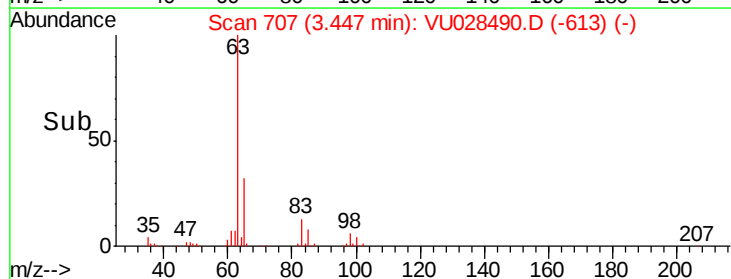
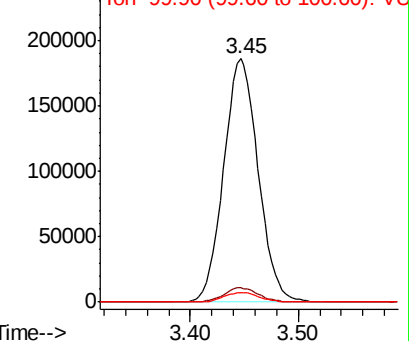
63 100

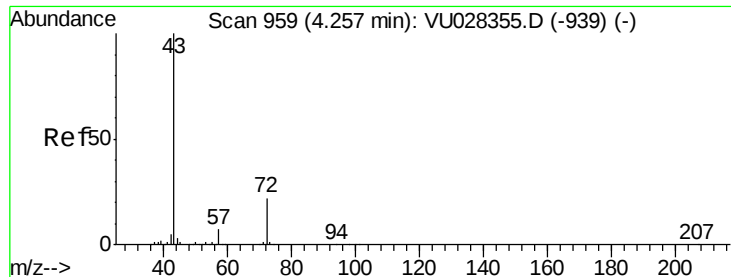
98 5.9 2.9 8.6

100 3.8 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028490.D (-613) (-)

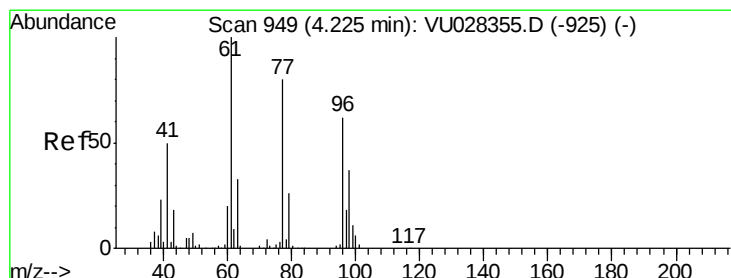
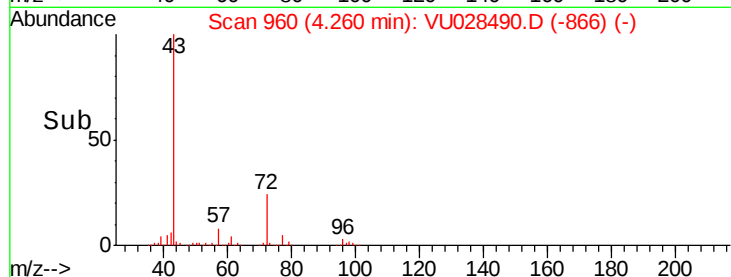
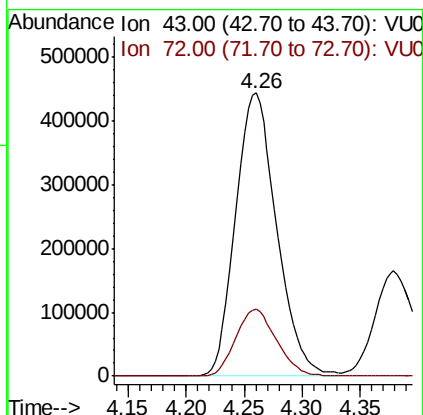
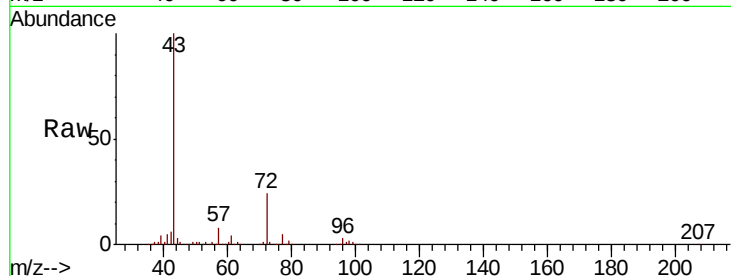




#25
2-Butanone
Concen: 258.293 ug/l
RT: 4.26 min Scan# 960
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

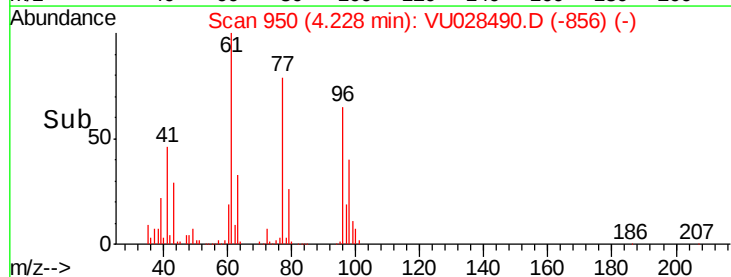
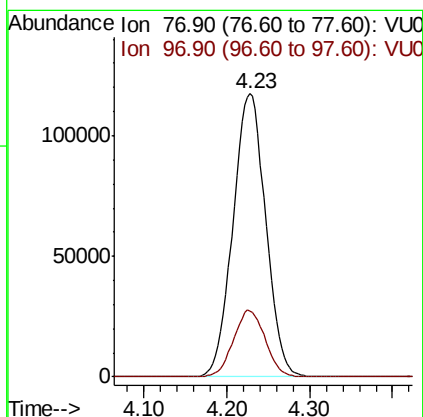
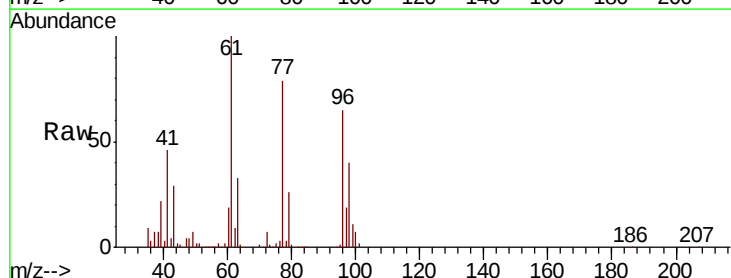
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

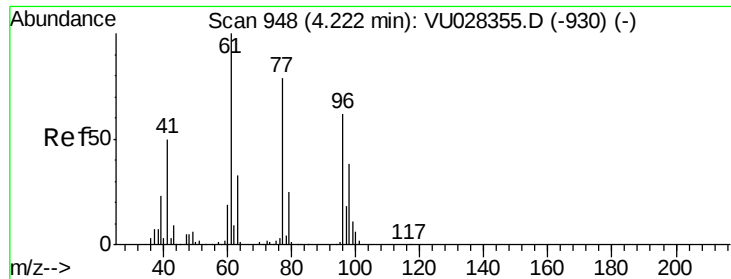
Tot Ion: 43 Resp: 1087097
Ion Ratio Lower Upper
43 100
72 23.5 17.7 26.5



#26
2,2-Dichloropropane
Concen: 52.163 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 77 Resp: 322408
Ion Ratio Lower Upper
77 100
97 23.0 10.7 32.1



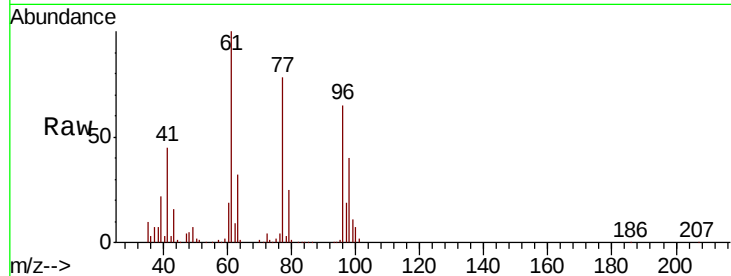


#27

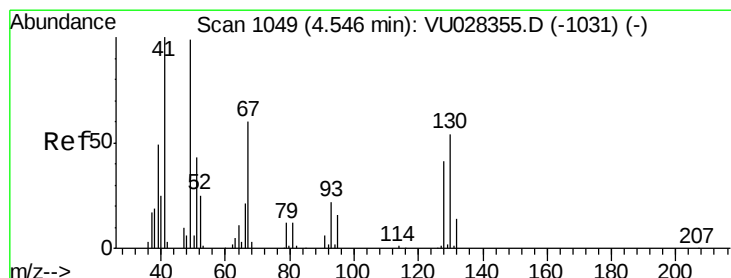
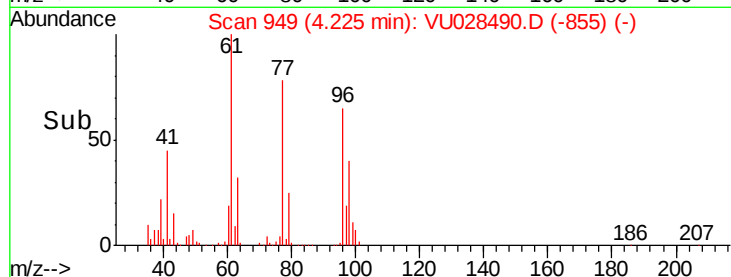
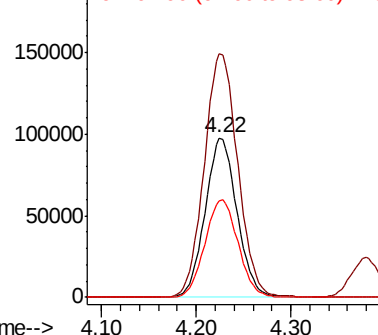
cis-1,2-Dichloroethene
 Concen: 54.337 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	96	Resp	228702
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	342.0
98	64.2	0.0	126.4



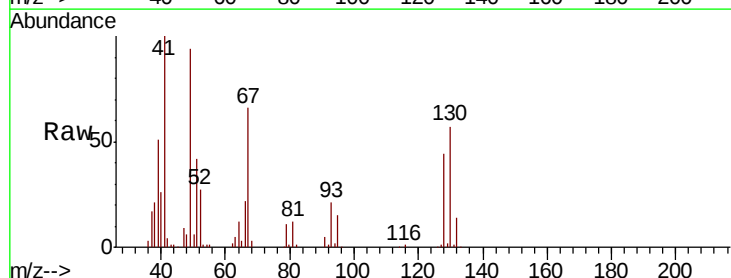
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



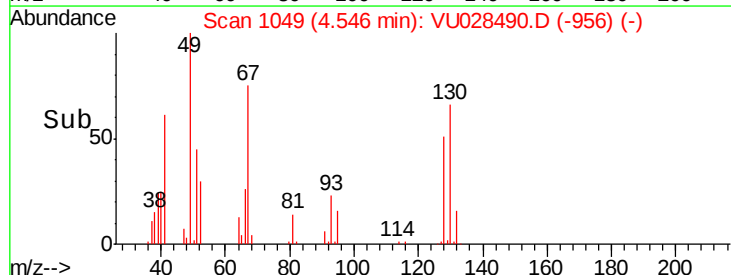
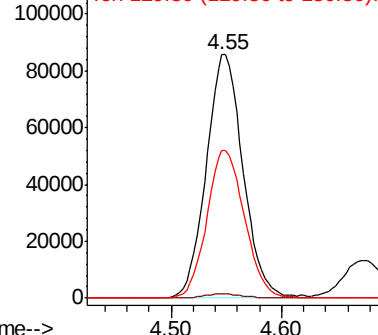
#28

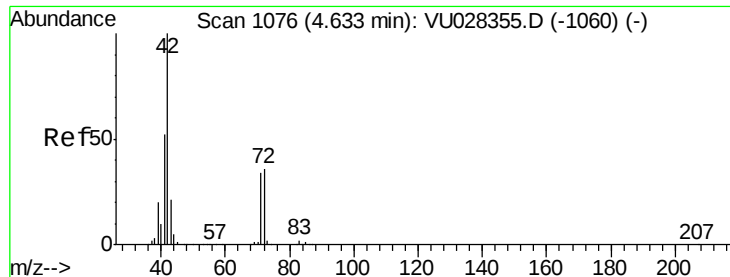
Bromochloromethane
 Concen: 50.814 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	49	Resp	197738
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	62.3	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: 265.240 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

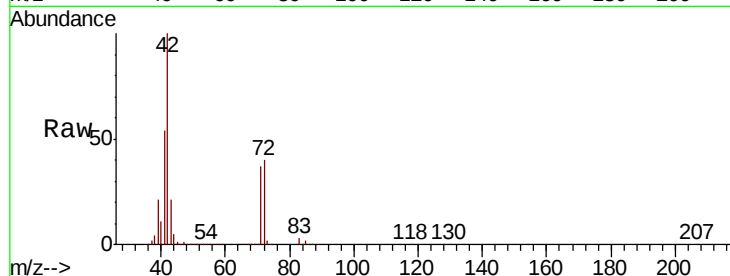
Tot Ion: 42 Resp: 724797

Ion Ratio Lower Upper

42 100

72 39.7 29.5 44.3

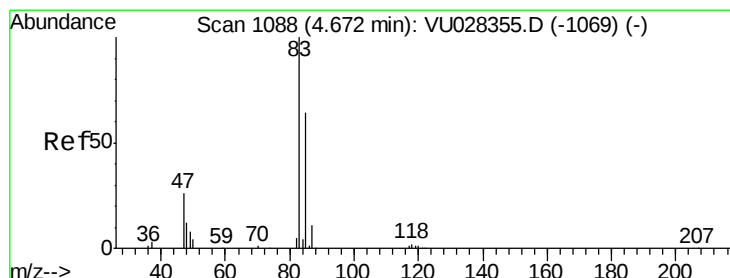
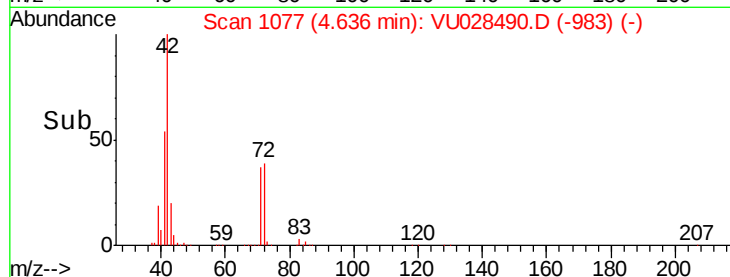
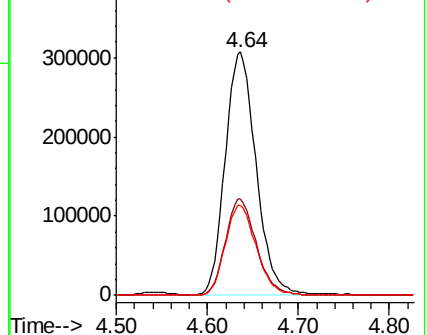
71 37.4 27.7 41.5



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 52.708 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028490.D

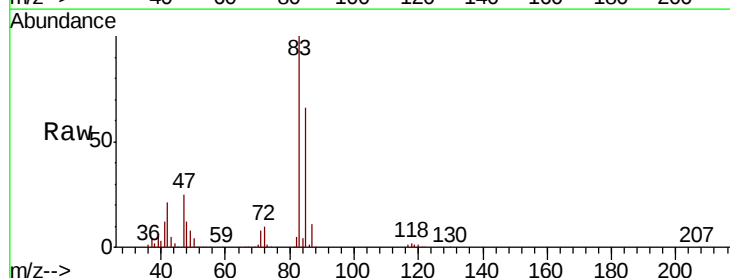
Acq: 05 Dec 2018 19:02

Tgt Ion: 83 Resp: 378629

Ion Ratio Lower Upper

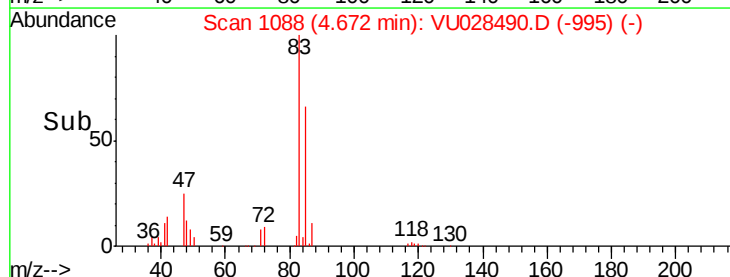
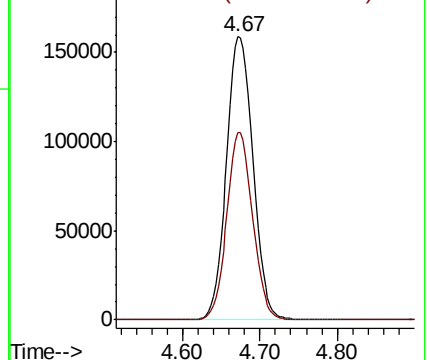
83 100

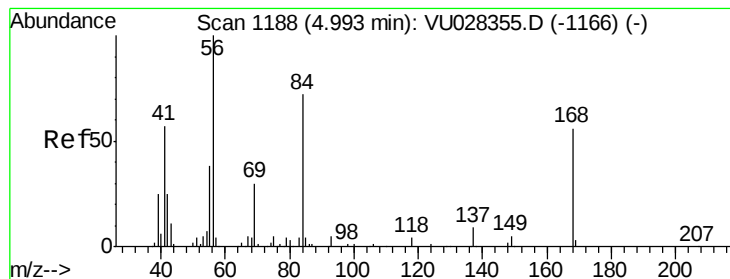
85 66.2 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 49.768 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

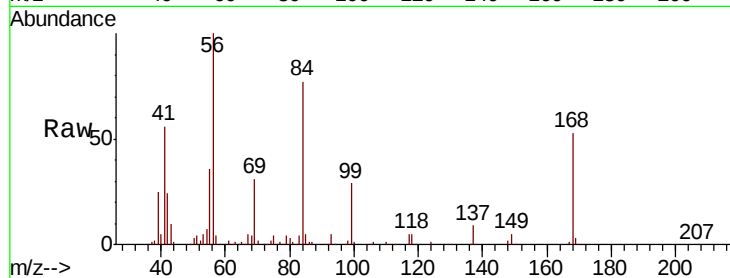
Tot Ion: 56 Resp: 397614

Ion Ratio Lower Upper

56 100

69 31.2 23.7 35.5

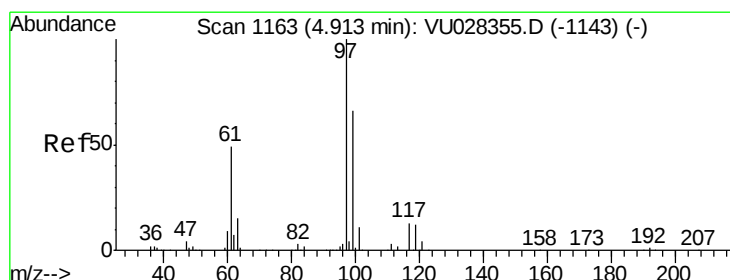
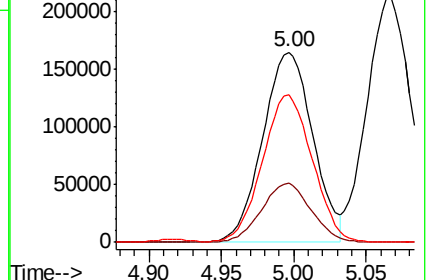
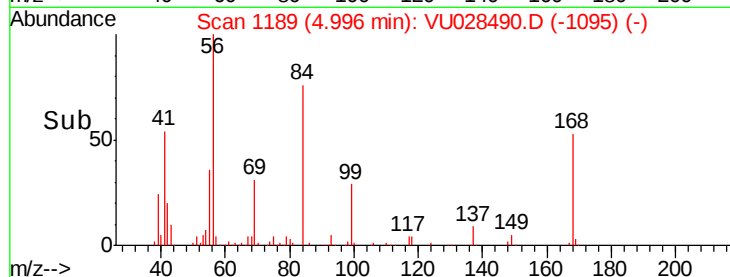
84 76.5 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VU028490.D (-1095) (-)

Ion 69.00 (68.70 to 69.70): VU028490.D (-1095) (-)

Ion 84.00 (83.70 to 84.70): VU028490.D (-1095) (-)



#32

1,1,1-Trichloroethane

Concen: 53.301 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

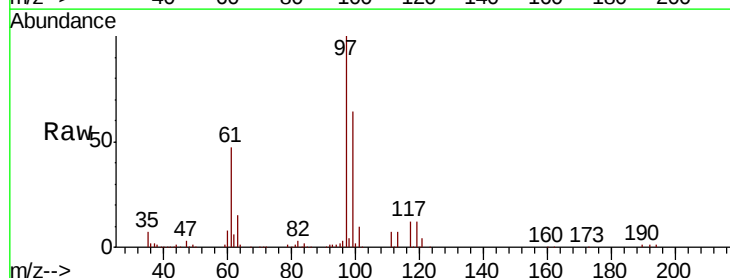
Tgt Ion: 97 Resp: 307239

Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

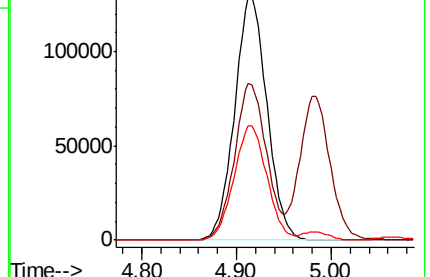
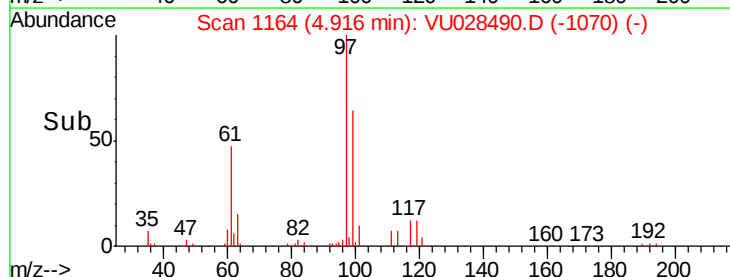
61 47.7 39.1 58.7

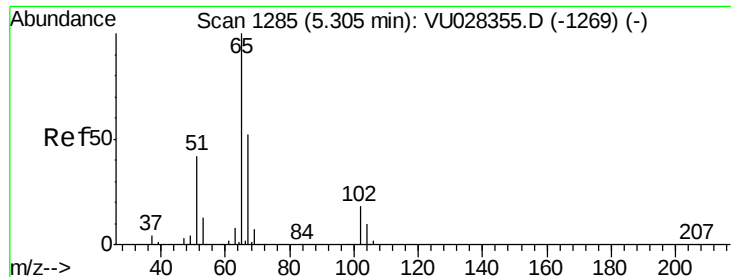


Abundance Ion 96.90 (96.60 to 97.60): VU028490.D (-1070) (-)

Ion 98.90 (98.60 to 99.60): VU028490.D (-1070) (-)

Ion 60.90 (60.60 to 61.60): VU028490.D (-1070) (-)

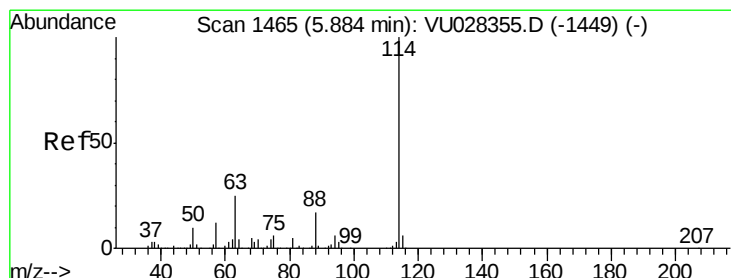
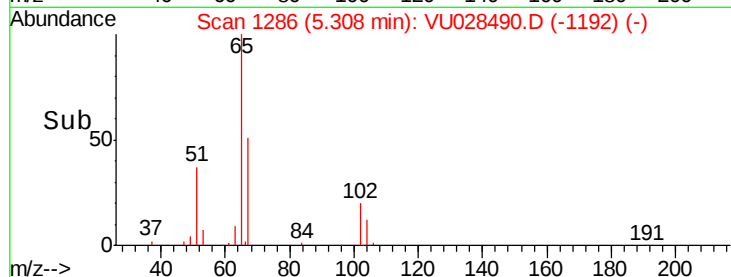
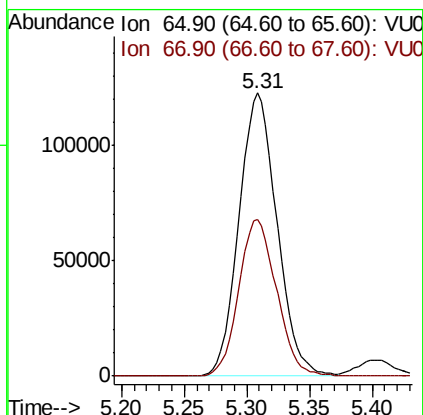
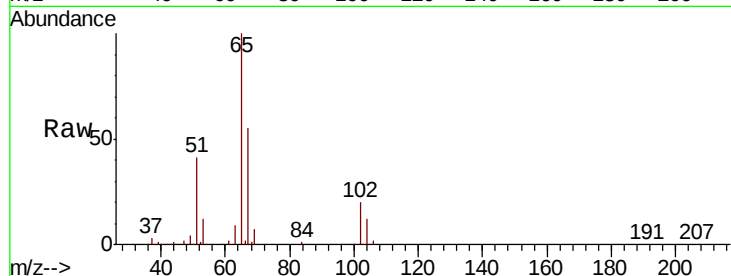




#33
 1,2-Dichloroethane-d4
 Concen: 53.871 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

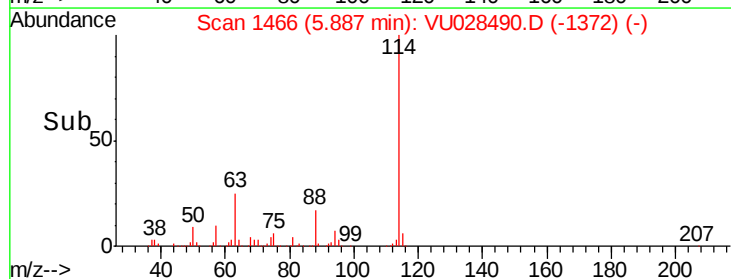
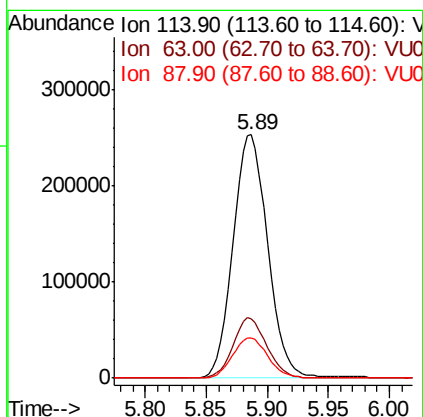
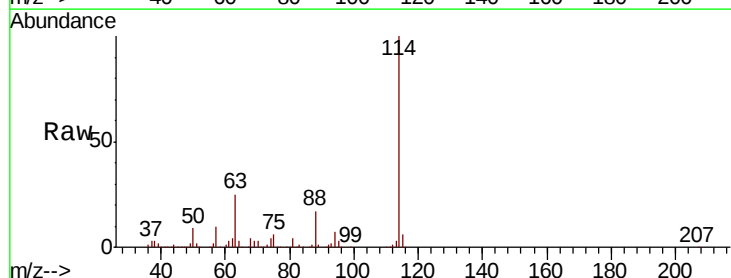
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

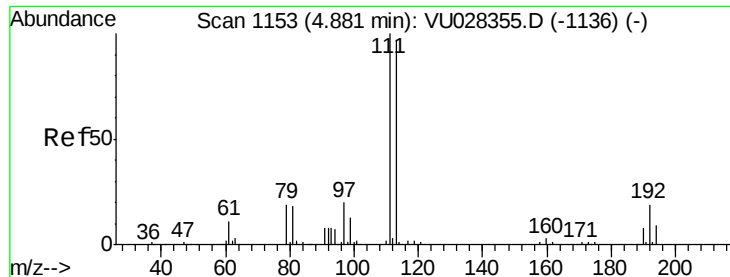
Tot Ion: 65 Resp: 258620
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 114 Resp: 499963
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.0
 88 16.7 0.0 34.4

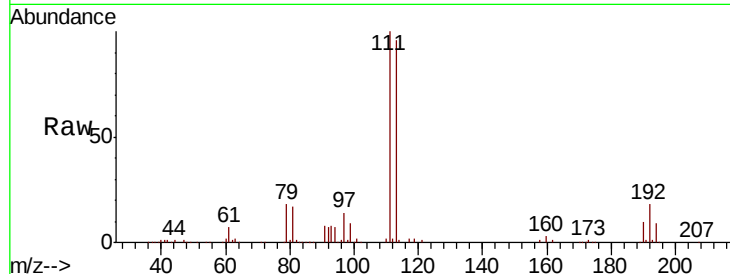




#35
 Dibromofluoromethane
 Concen: 57.723 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	18.6	15.4	23.0

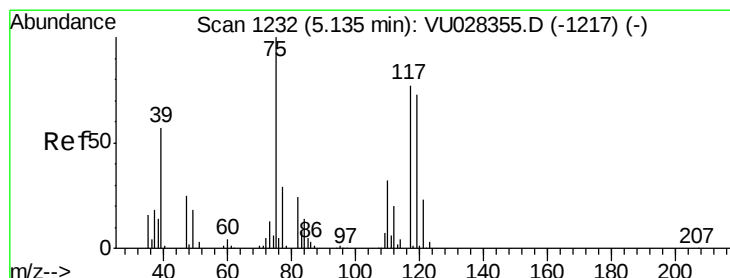
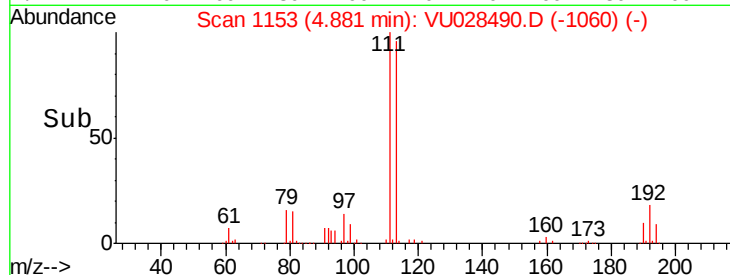
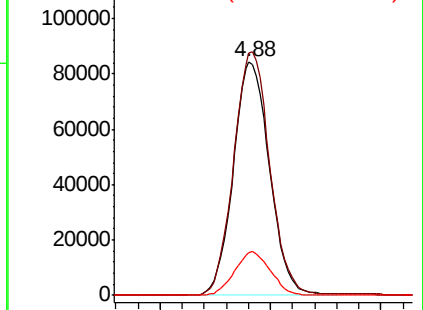


Abundance

Ion 112.80 (112.50 to 113.50): V

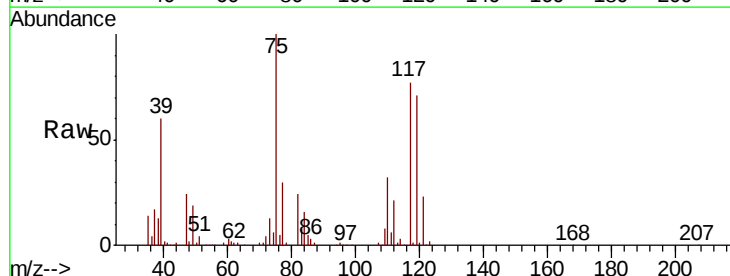
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 53.876 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	15.8	47.4
77	31.3	24.6	36.8

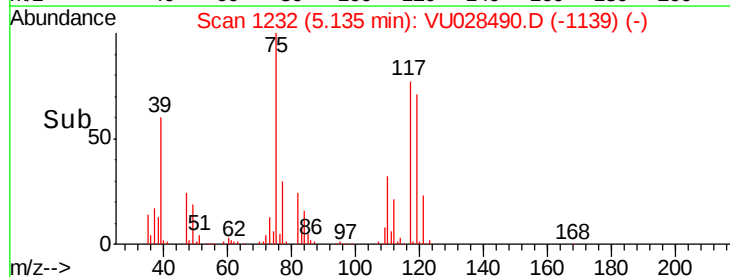
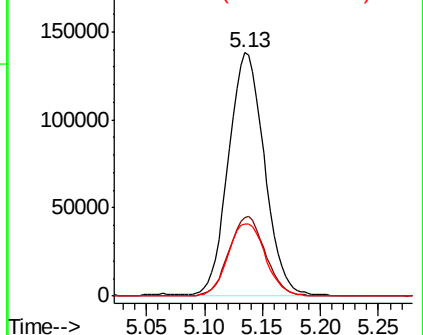


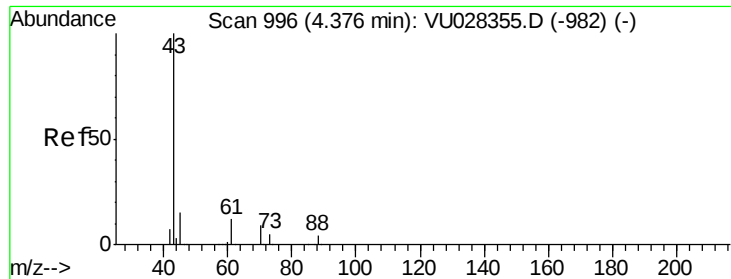
Abundance

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

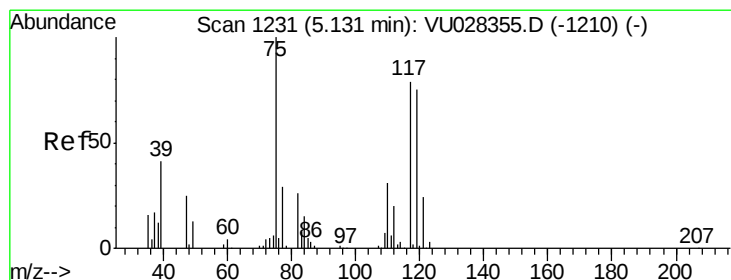
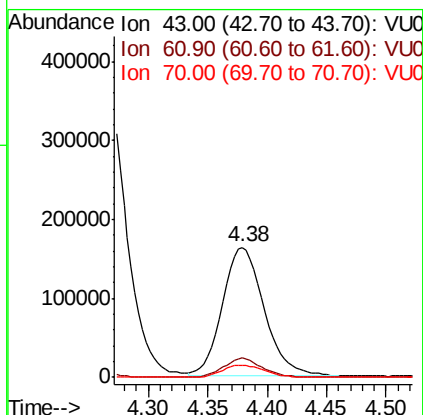
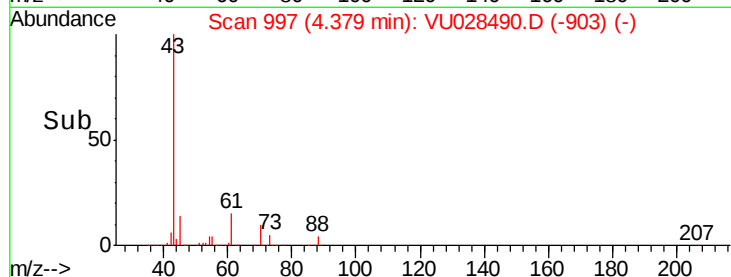
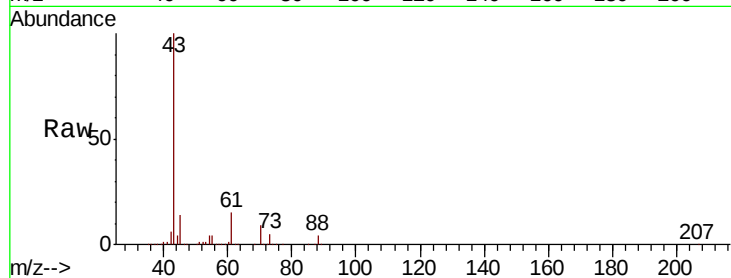




#37
Ethyl Acetate
Concen: 53.162 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

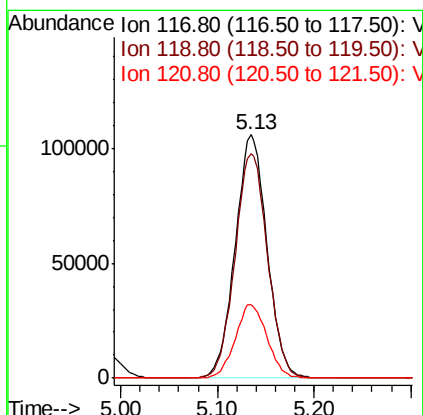
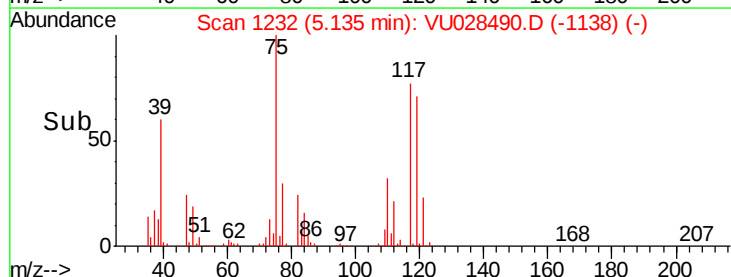
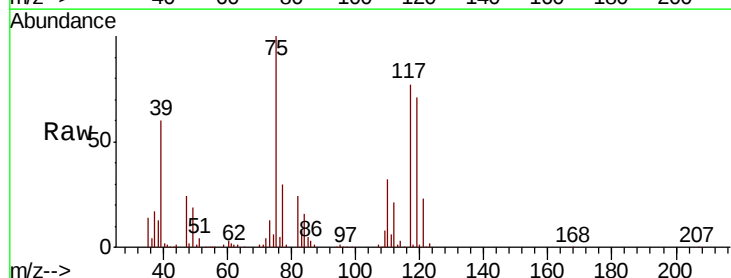
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

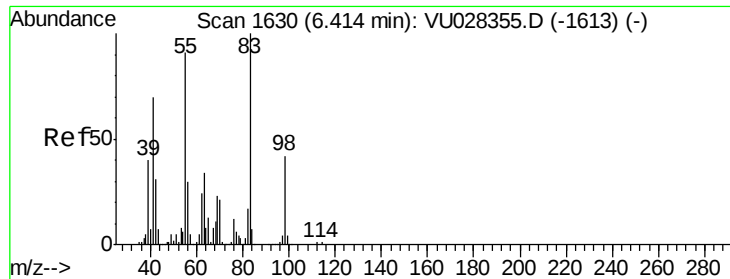
Tot Ion: 43 Resp: 396365
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.4
70 9.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 53.718 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 117 Resp: 241338
Ion Ratio Lower Upper
117 100
119 92.4 76.3 114.5
121 30.3 24.7 37.1

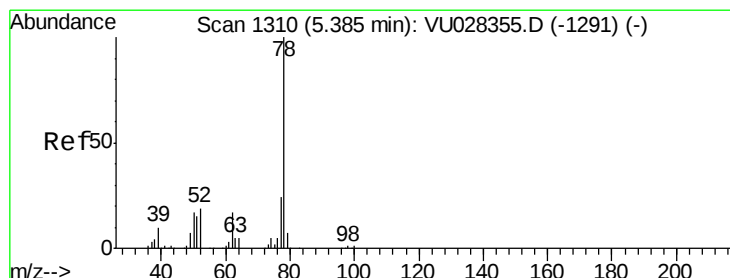
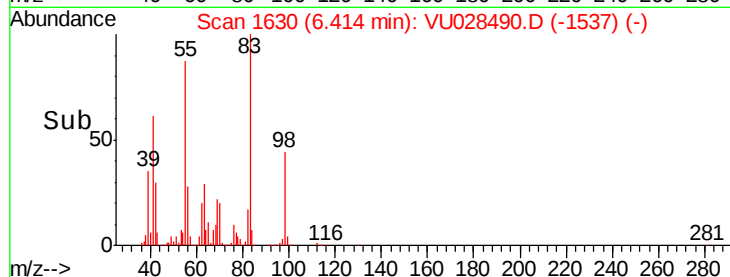
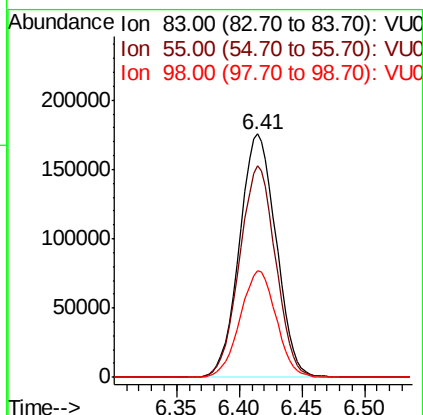
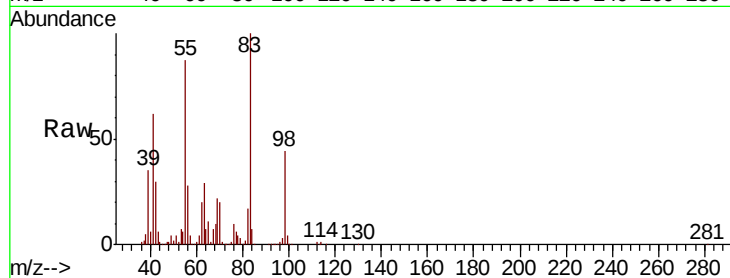




#39
Methvlcvclohexane
Concen: 55.332 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

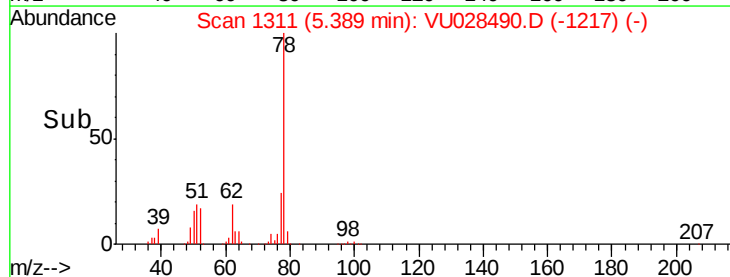
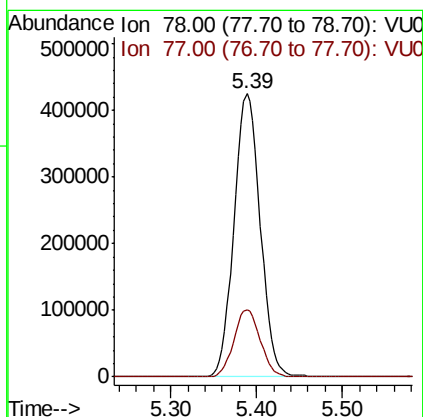
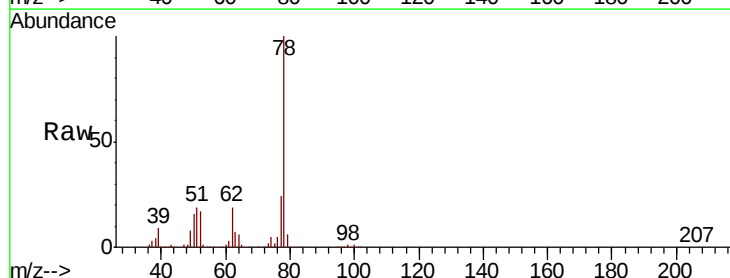
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

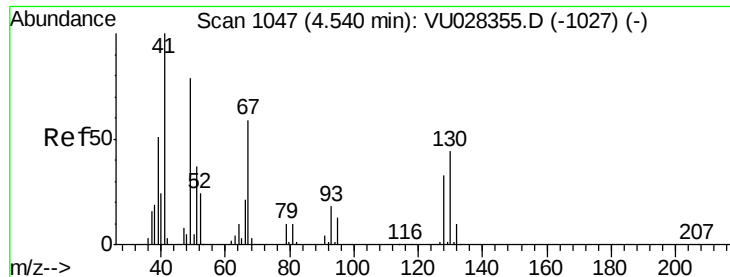
Tot Ion: 83 Resp: 356914
Ion Ratio Lower Upper
83 100
55 86.7 73.1 109.7
98 43.8 33.9 50.9



#40
Benzene
Concen: 55.468 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 78 Resp: 898799
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

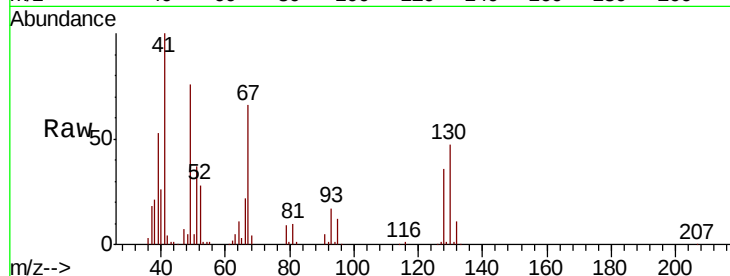




#41
Methacrylonitrile
Concen: 54.693 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	226457
Ion	Ratio	Lower	Upper
41	100		
39	52.3	41.3	61.9
67	67.9	48.6	73.0
52	27.3	19.4	29.0



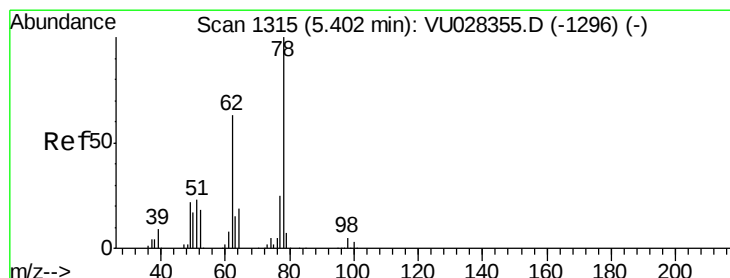
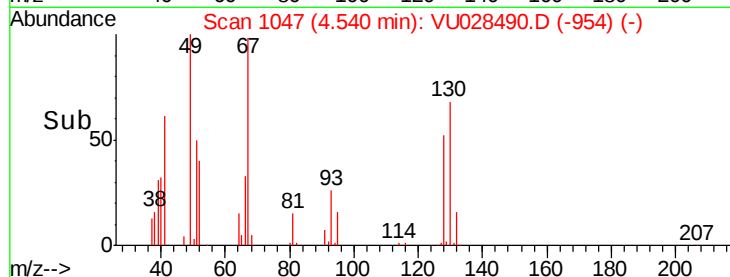
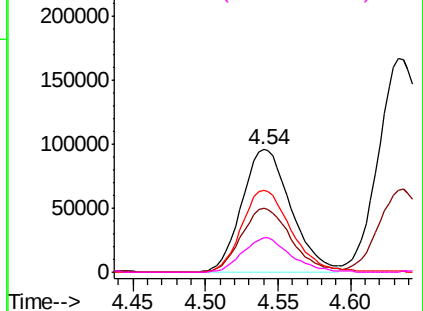
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

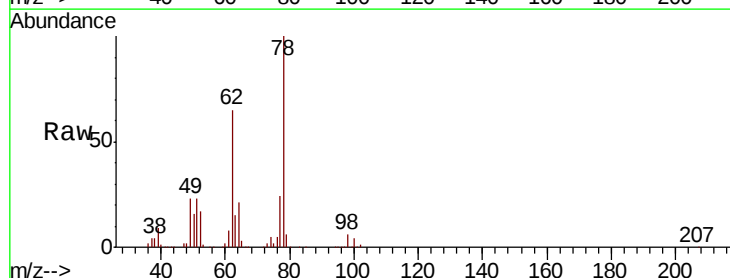
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 53.132 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

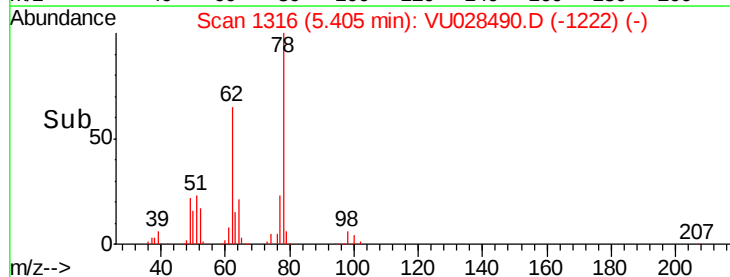
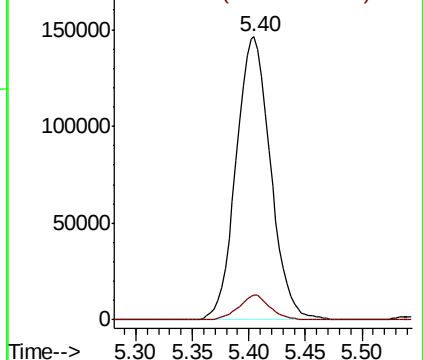
Tgt Ion:	62	Resp:	310155
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.4

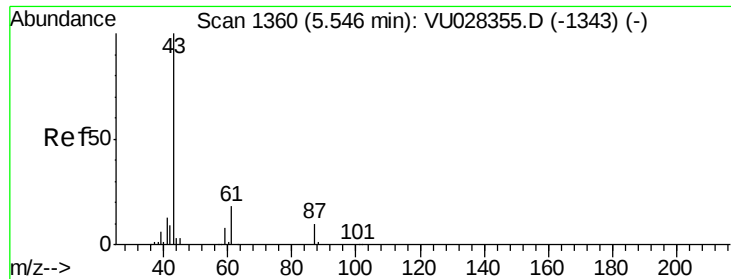


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.141 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

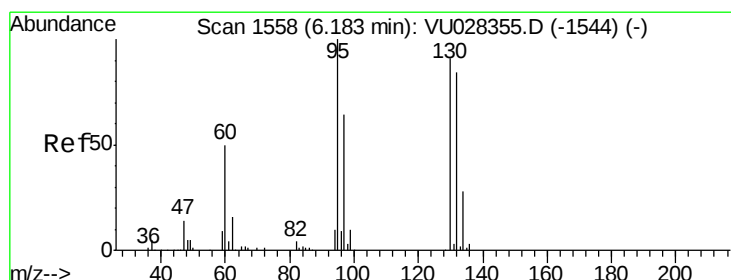
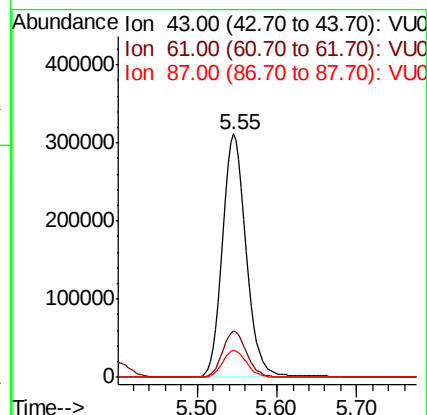
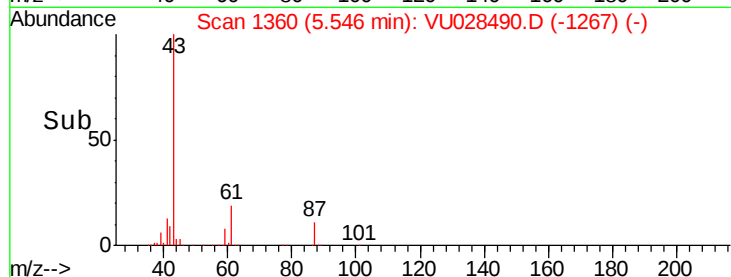
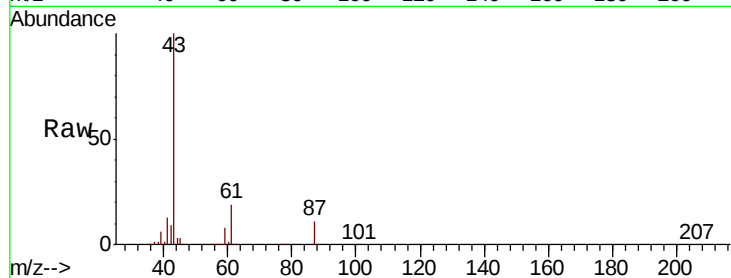
Tot Ion: 43 Resp: 639668

Ion Ratio Lower Upper

43 100

61 19.3 14.5 21.7

87 11.2 8.4 12.6



#44

Trichloroethene

Concen: 59.323 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028490.D

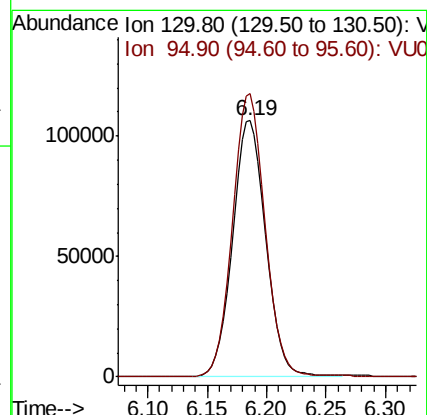
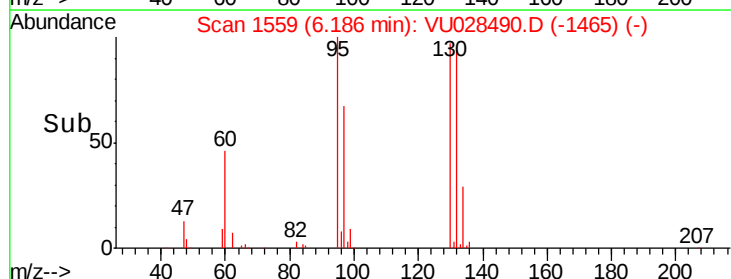
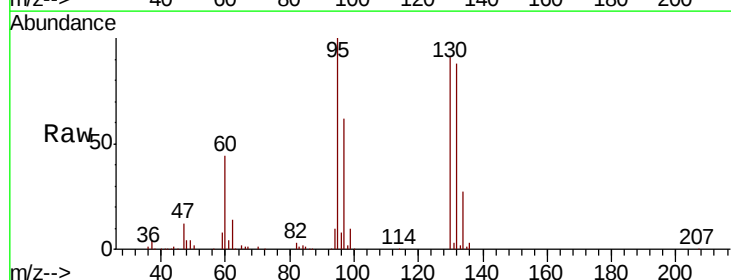
Acq: 05 Dec 2018 19:02

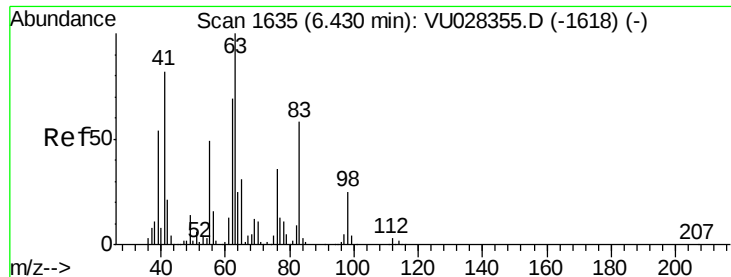
Tgt Ion:130 Resp: 206048

Ion Ratio Lower Upper

130 100

95 110.4 0.0 219.8

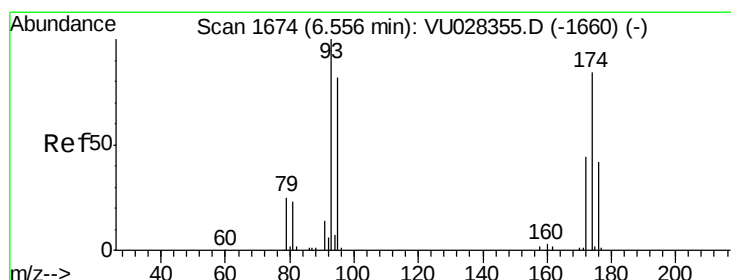
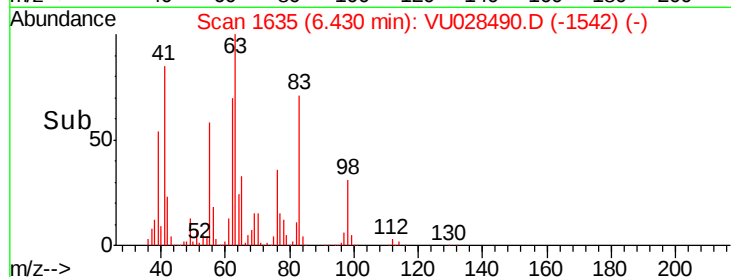
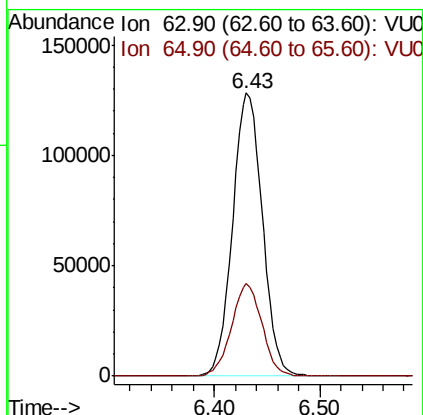
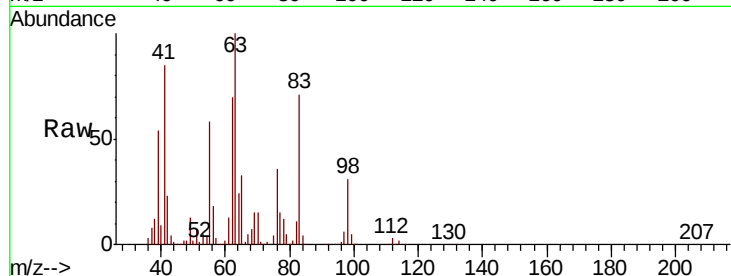




#45
 1,2-Dichloropropane
 Concen: 52.940 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

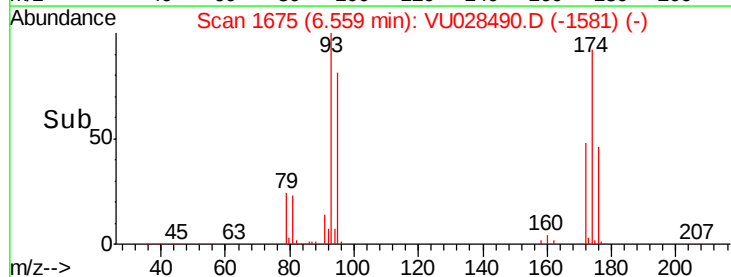
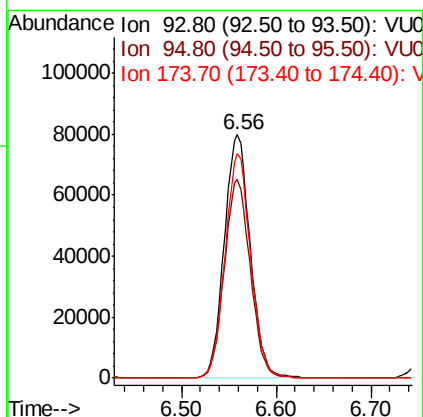
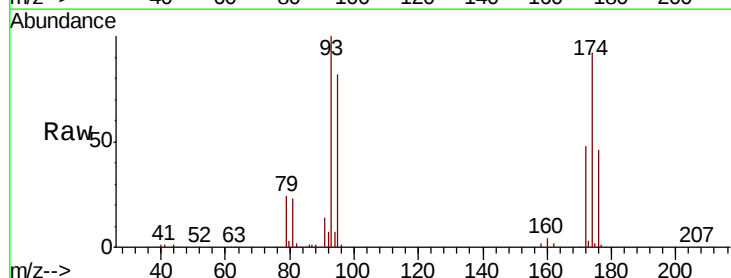
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

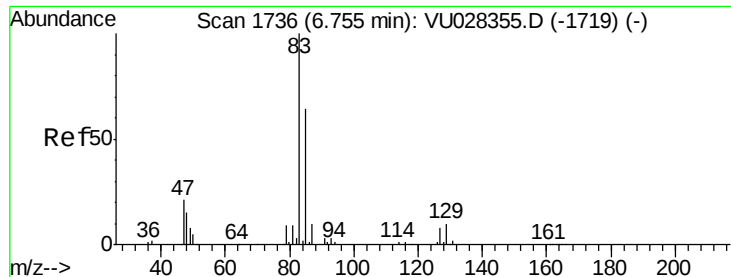
Tot Ion: 63 Resp: 251208
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.1 37.7



#46
 Dibromomethane
 Concen: 55.908 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 93 Resp: 152386
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.1 97.7
 174 90.9 69.9 104.9

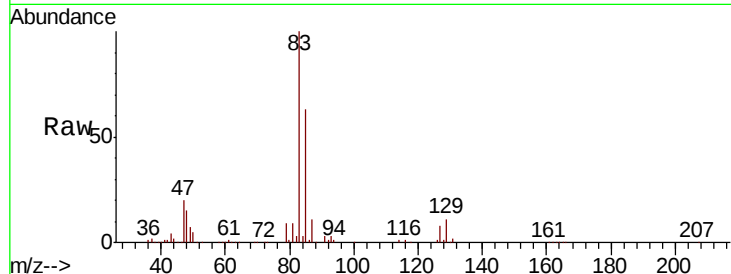




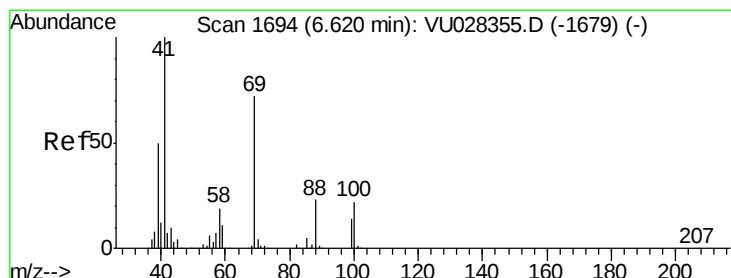
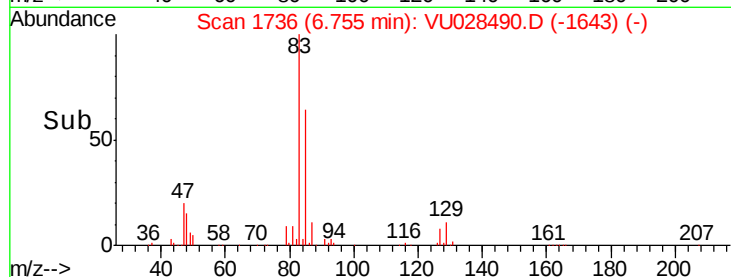
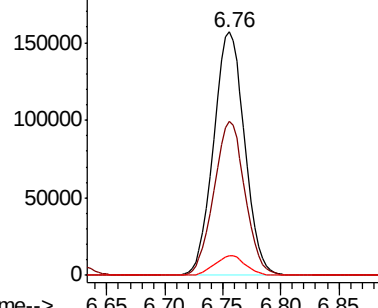
#47
Bromodichloromethane
Concen: 53.936 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 292411
Ion Ratio Lower Upper
83 100
85 63.3 50.9 76.3
127 8.3 6.2 9.4

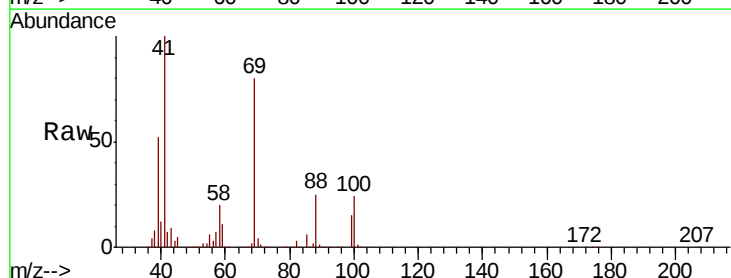


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

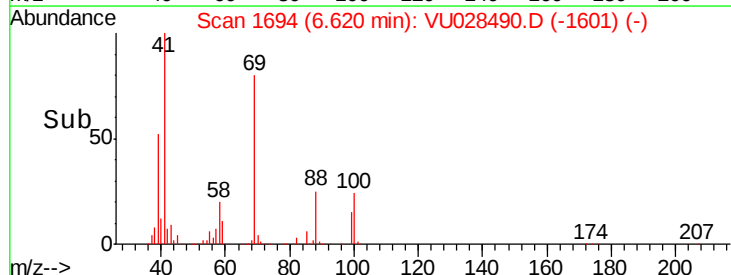
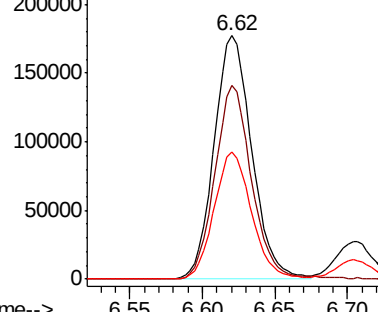


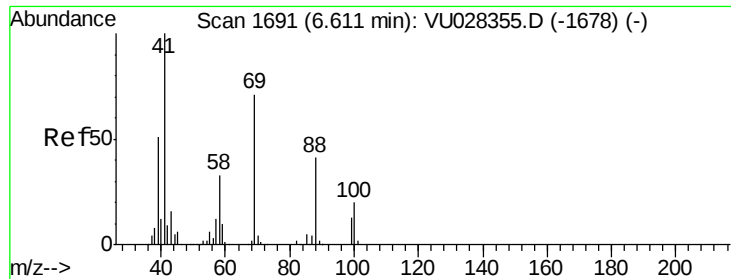
#48
Methyl methacrylate
Concen: 51.922 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 41 Resp: 319548
Ion Ratio Lower Upper
41 100
69 78.4 59.0 88.4
39 51.7 40.5 60.7



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

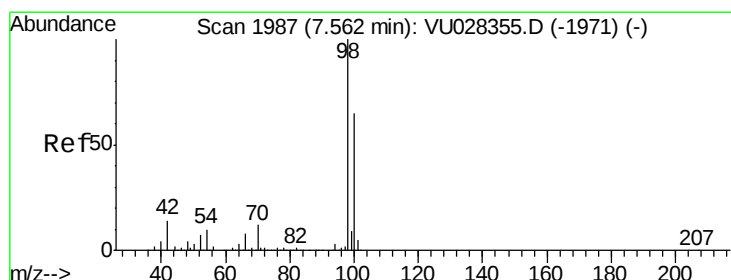
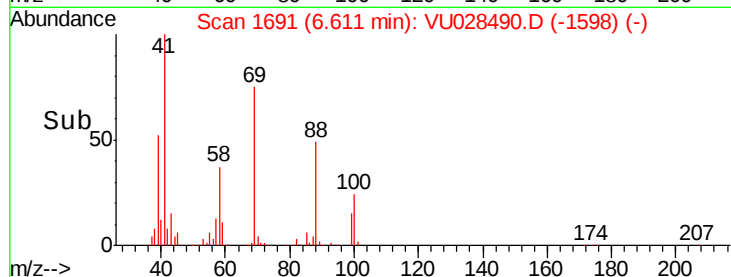
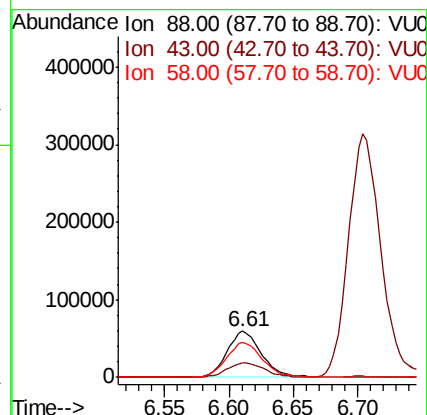
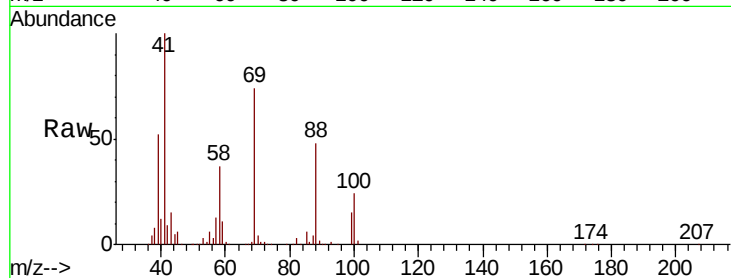




#49
1,4-Dioxane
Concen: 1114.741 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

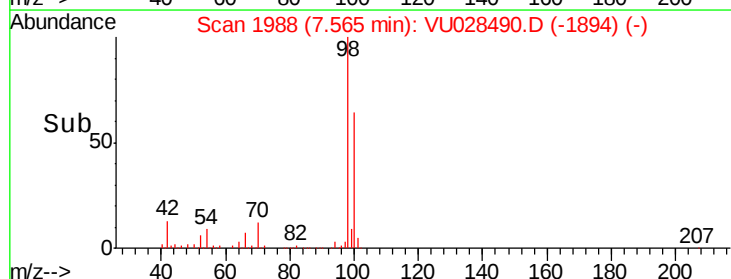
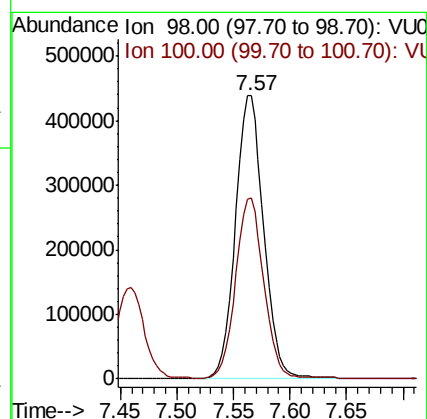
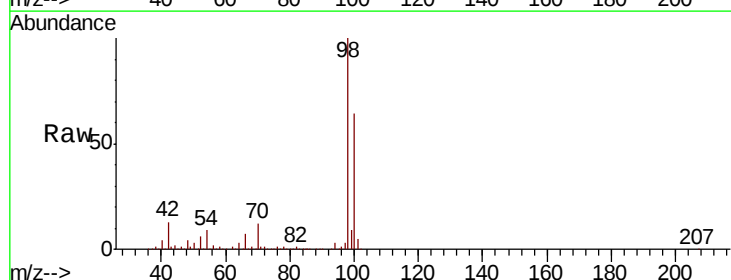
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

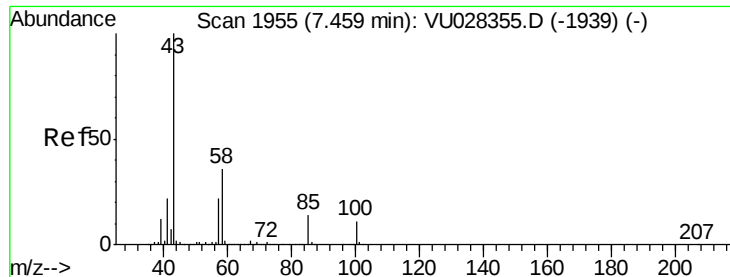
Tot Ion: 88 Resp: 109598
Ion Ratio Lower Upper
88 100
43 34.1 32.6 48.8
58 79.7 68.7 103.1



#50
Toluene-d8
Concen: 57.457 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 98 Resp: 763941
Ion Ratio Lower Upper
98 100
100 64.1 50.8 76.2

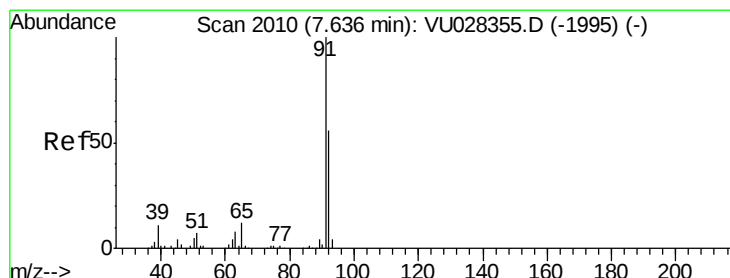
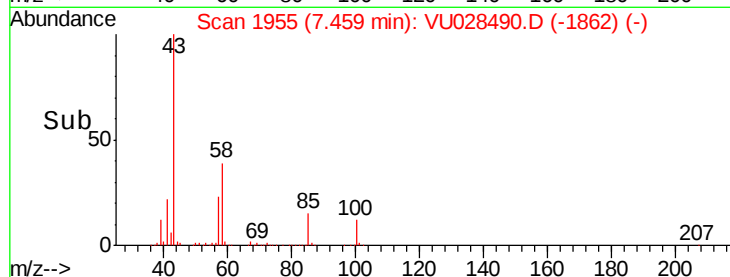
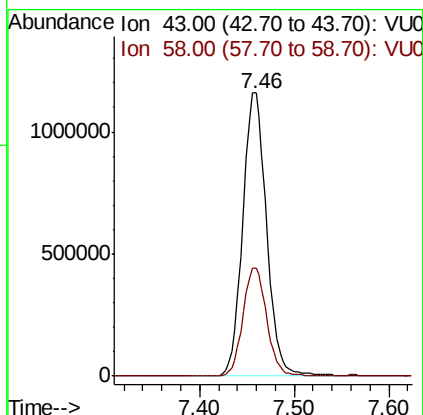
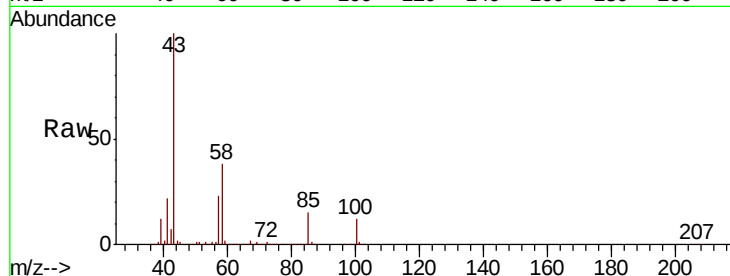




#51
4-Methyl-2-Pentanone
Concen: 268.743 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

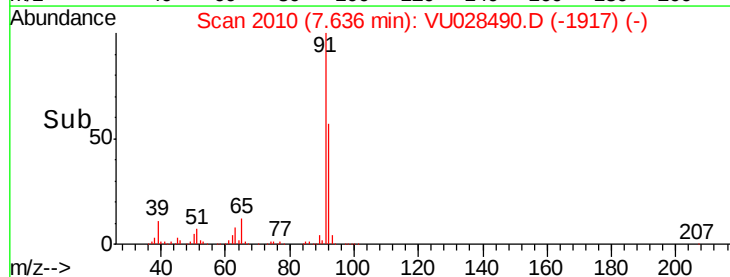
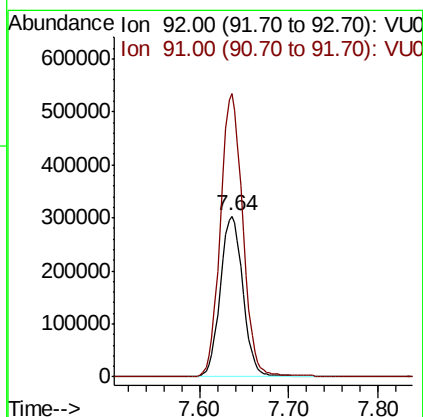
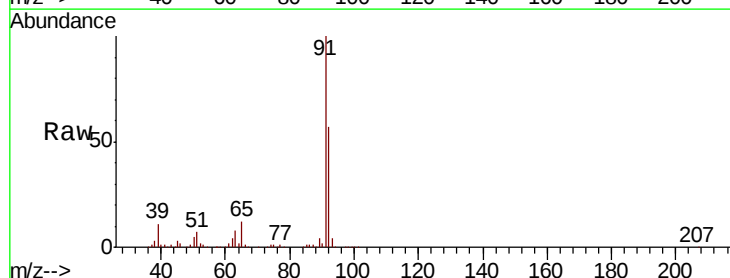
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

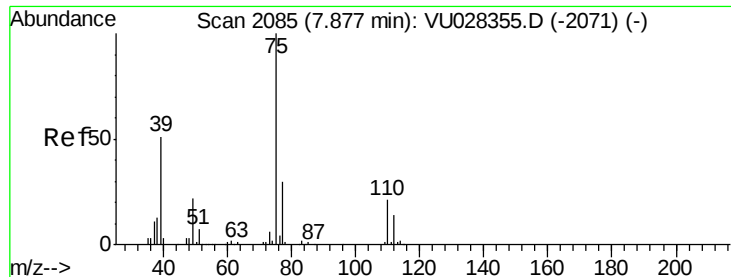
Tot Ion: 43 Resp: 2027915
Ion Ratio Lower Upper
43 100
58 38.3 28.8 43.2



#52
Toluene
Concen: 57.463 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 92 Resp: 536190
Ion Ratio Lower Upper
92 100
91 172.7 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 54.345 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

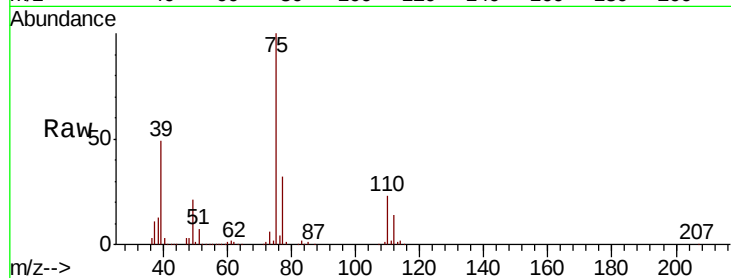
VSTDCCC050EC

Tot Ion: 75 Resp: 352302

Ion Ratio Lower Upper

75 100

77 31.6 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-2071) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-2071) (-)

7.88

250000

200000

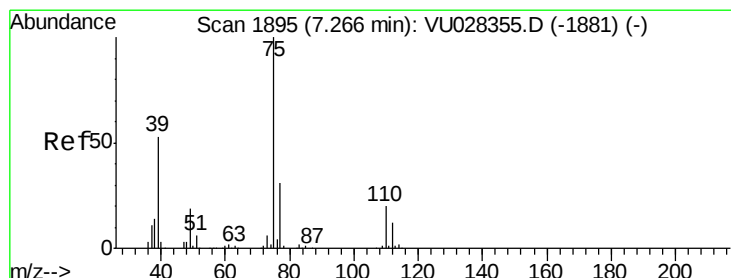
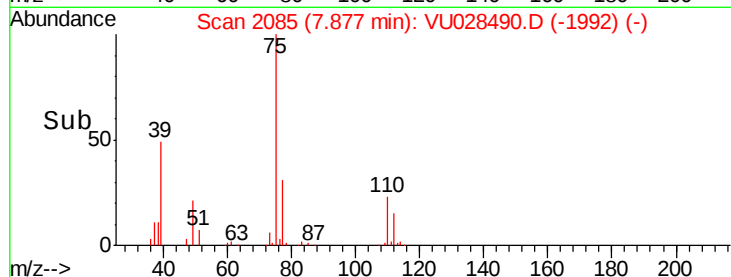
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.934 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

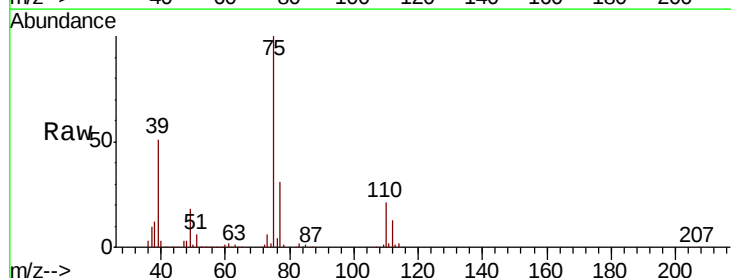
Tgt Ion: 75 Resp: 381517

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3

39 50.8 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1881) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1881) (-)

Ion 39.00 (38.70 to 39.70): VU028355.D (-1881) (-)

7.27

300000

250000

200000

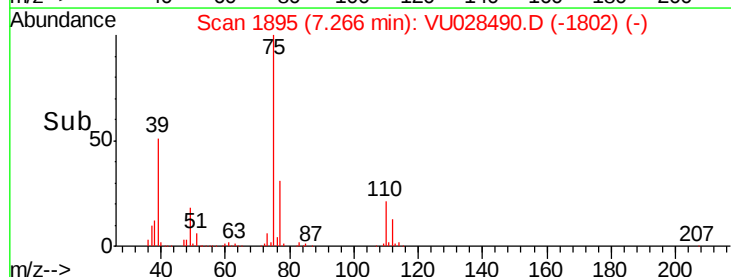
150000

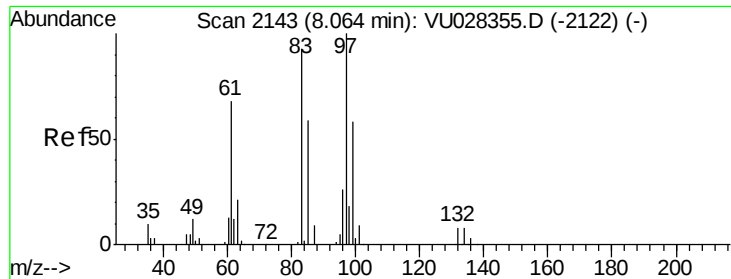
100000

50000

0

Time-->

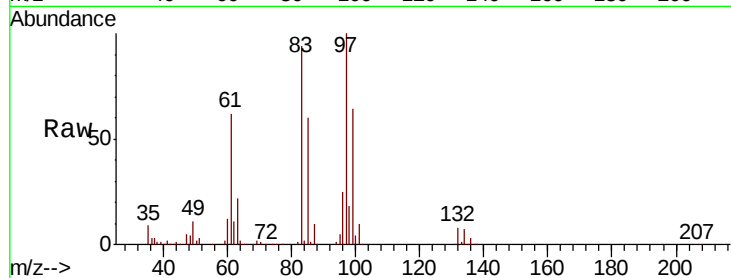




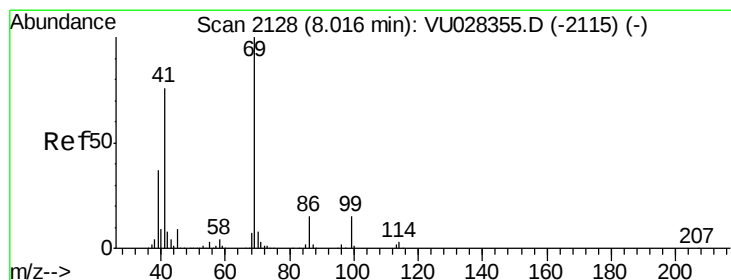
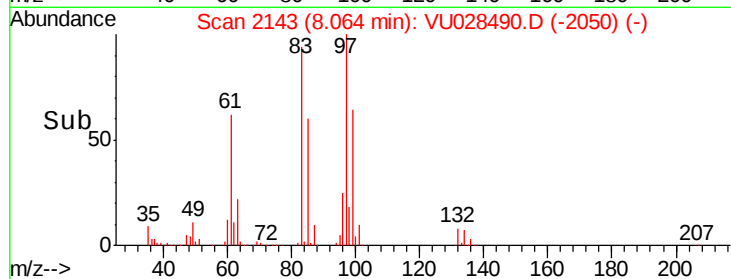
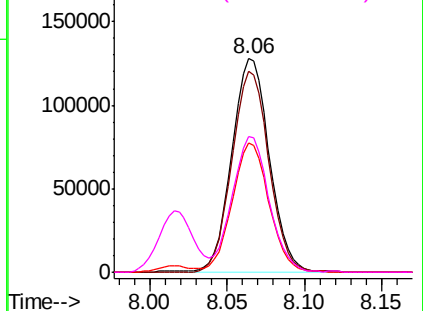
#55
 1,1,2-Trichloroethane
 Concen: 54.994 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	213564
Ion	Ratio	Lower	Upper
97	100		
83	94.0	74.3	111.5
85	60.2	47.2	70.8
99	63.4	48.9	73.3

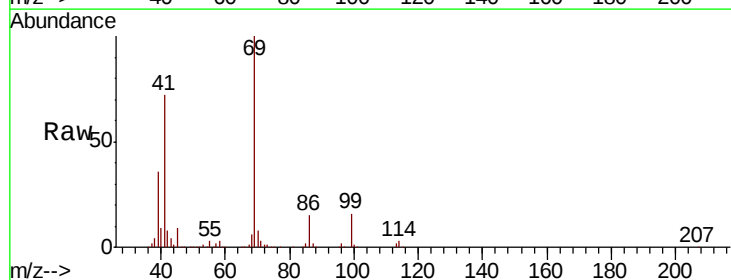


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

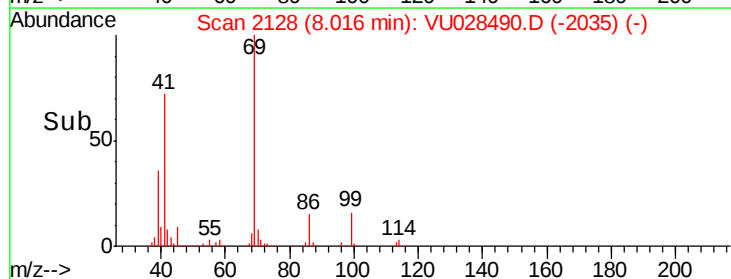
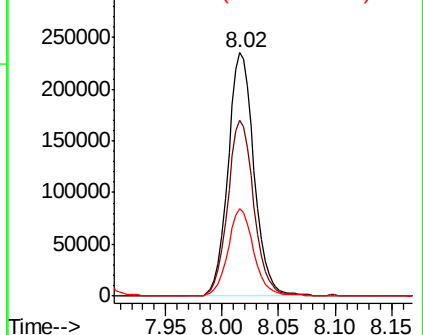


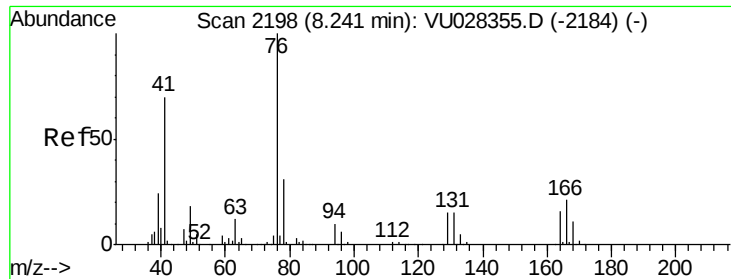
#56
 Ethyl methacrylate
 Concen: 57.067 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion:	69	Resp:	377016
Ion	Ratio	Lower	Upper
69	100		
41	72.2	60.0	90.0
39	35.0	29.0	43.6



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

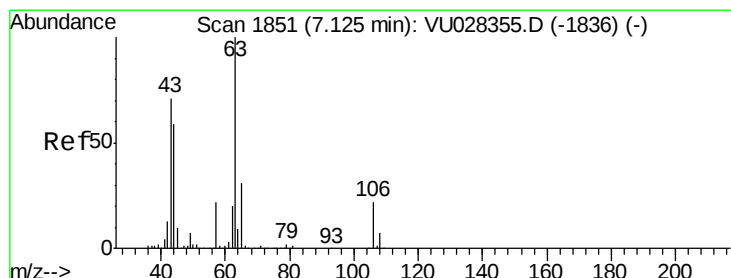
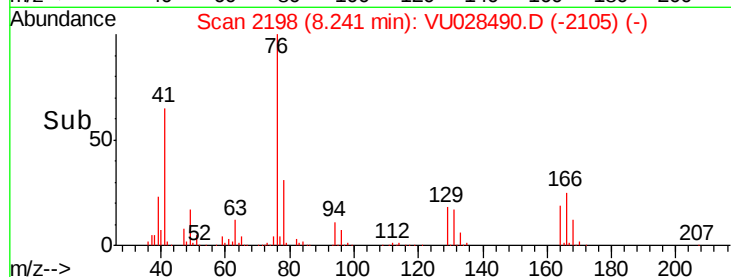
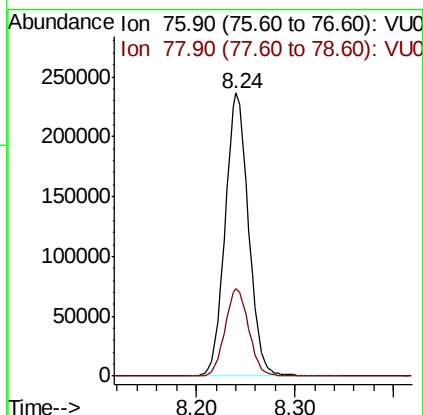
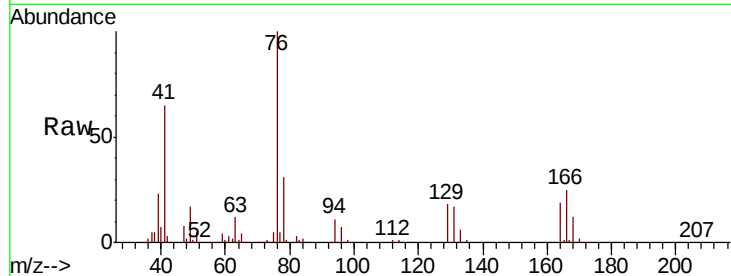




#57
 1,3-Dichloropropane
 Concen: 55.361 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

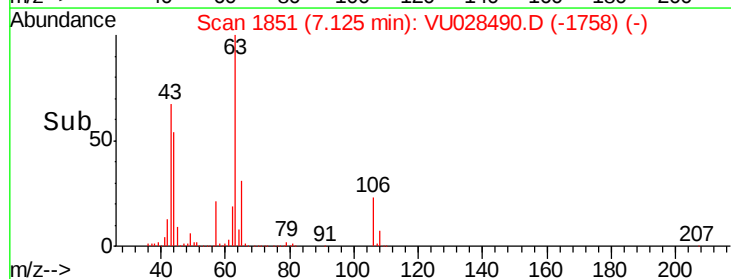
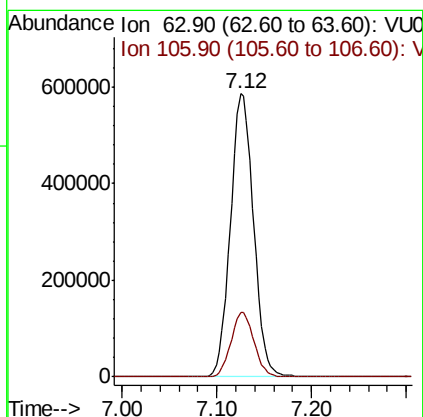
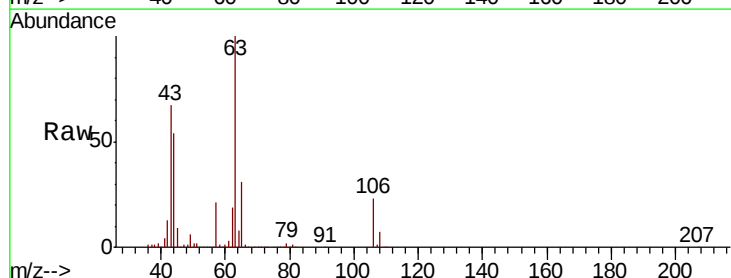
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

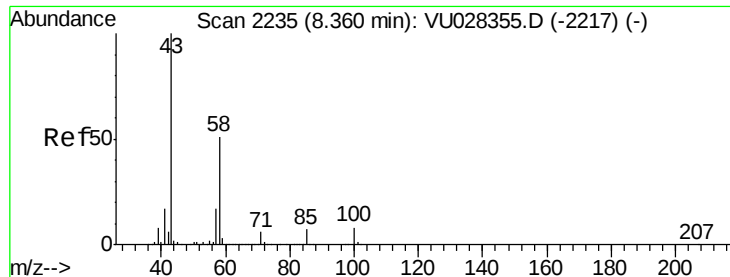
Tot Ion: 76 Resp: 394259
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.805 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion: 63 Resp: 996008
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.3 25.9

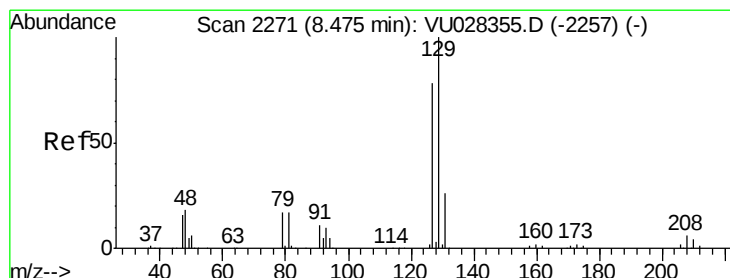
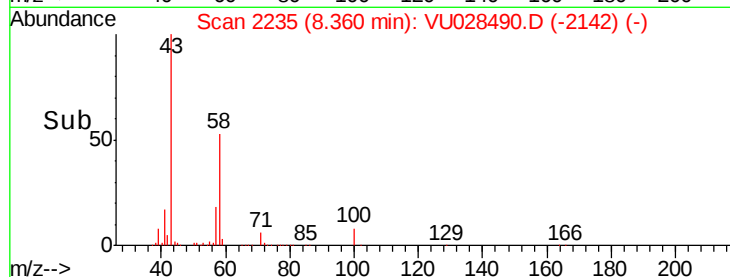
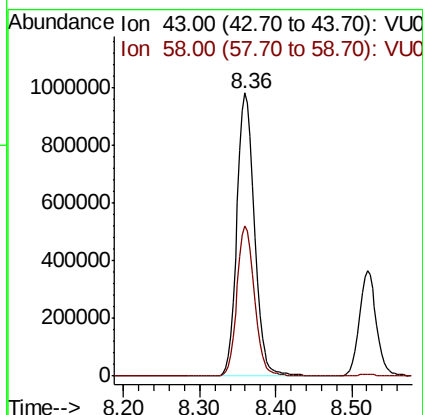
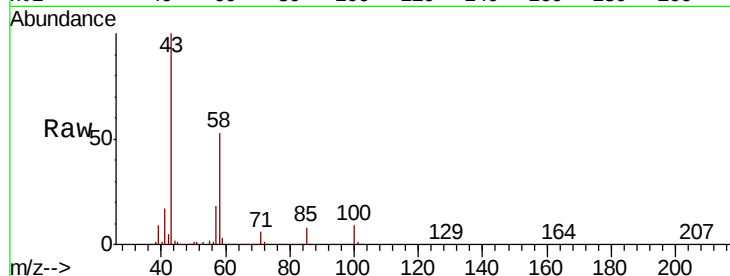




#59
2-Hexanone
Concen: 268.683 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

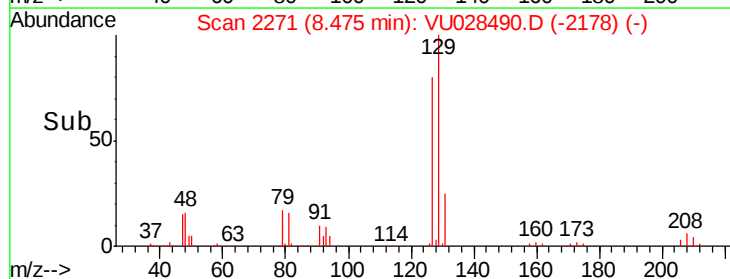
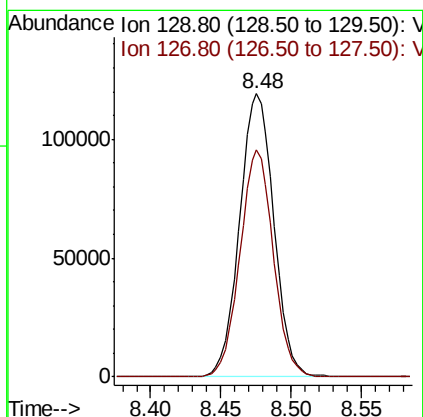
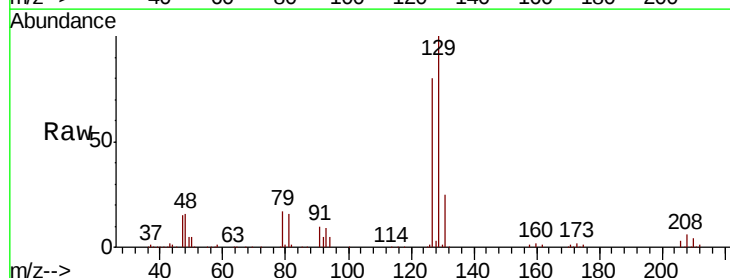
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

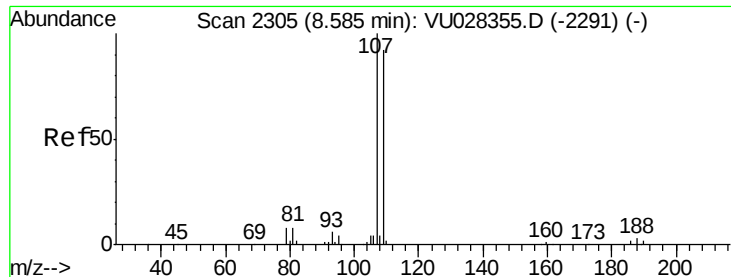
Tot Ion: 43 Resp: 1570474
Ion Ratio Lower Upper
43 100
58 53.1 25.5 76.5



#60
Dibromochloromethane
Concen: 54.889 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 129 Resp: 202727
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 58.328 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

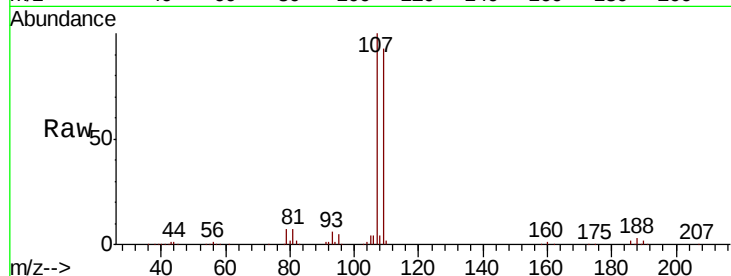
VSTDCCC050EC

Tot Ion:107 Resp: 231993

Ion Ratio Lower Upper

107 100

109 93.4 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

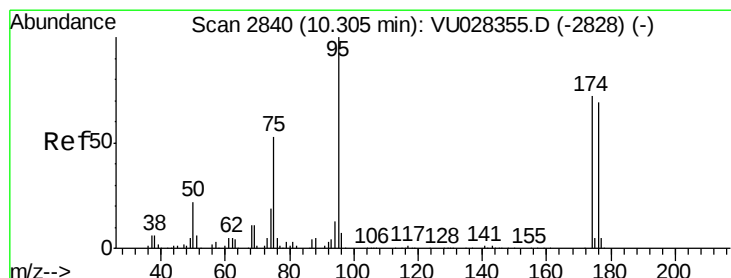
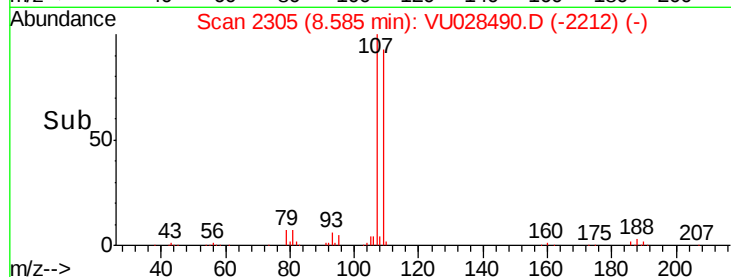
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 61.592 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

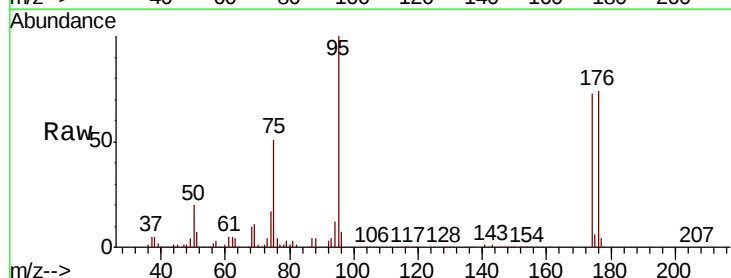
Tgt Ion: 95 Resp: 295164

Ion Ratio Lower Upper

95 100

174 74.3 0.0 145.4

176 72.8 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

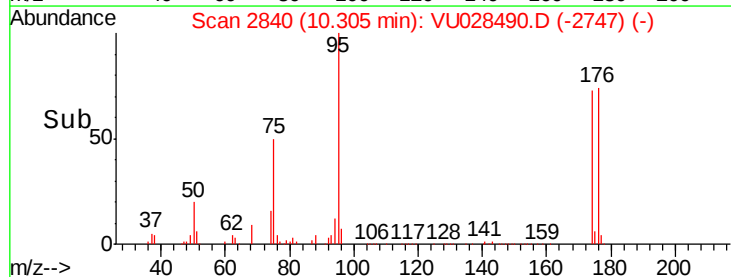
150000

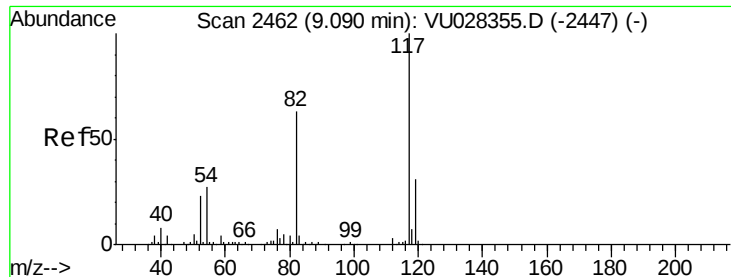
100000

50000

0

Time--> 10.20 10.30 10.40

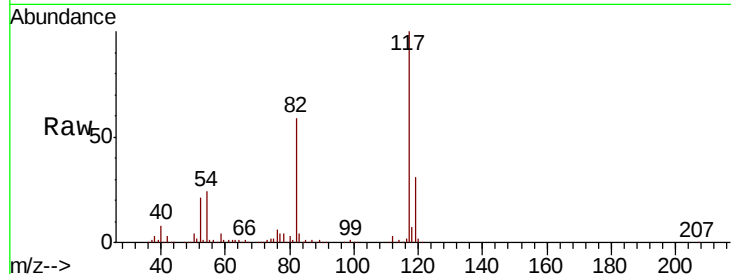




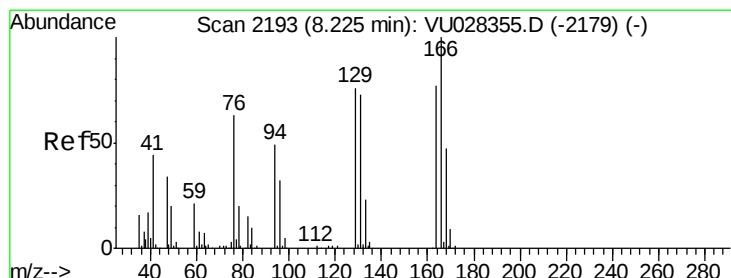
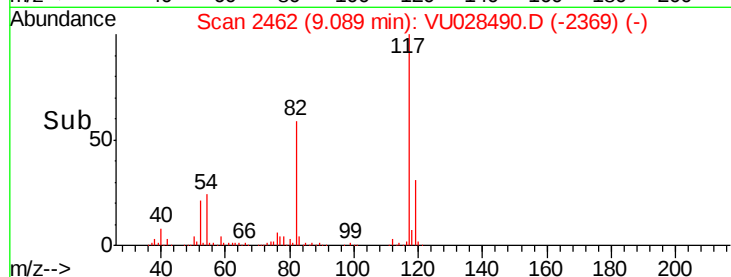
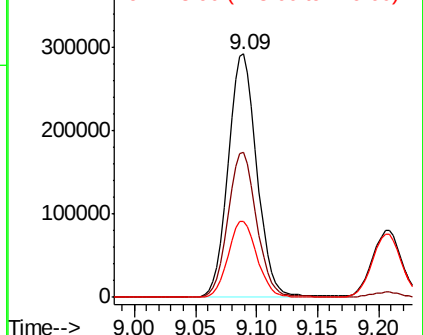
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 481115
Ion Ratio Lower Upper
117 100
82 59.3 50.3 75.5
119 31.3 24.8 37.2

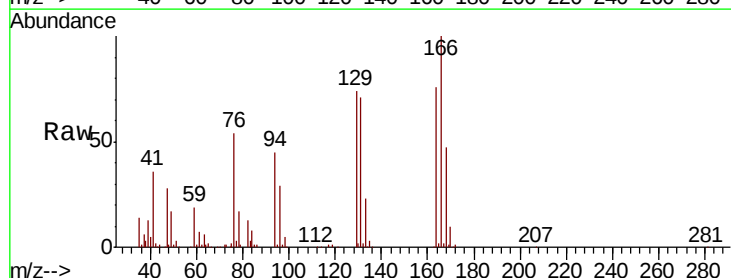


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

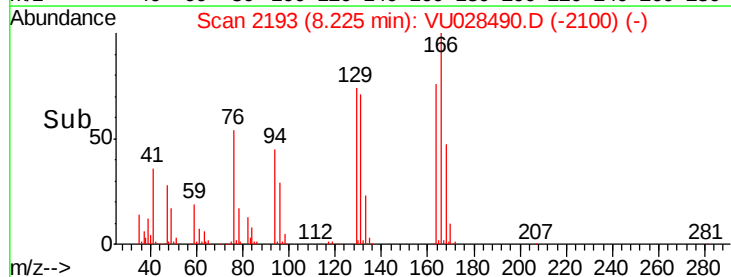
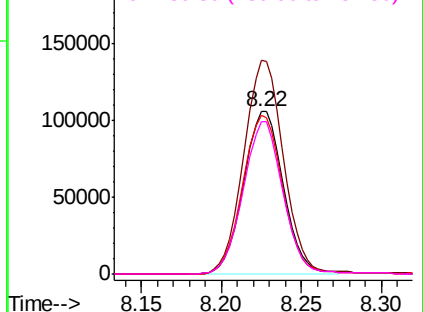


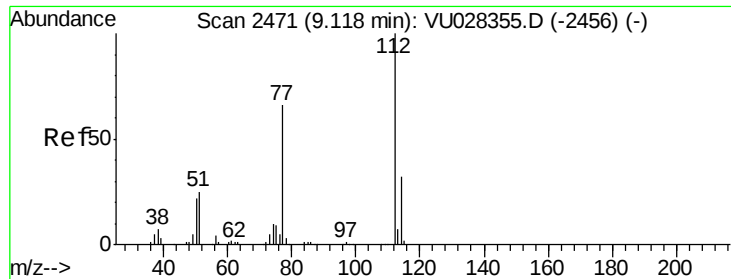
#64
Tetrachloroethene
Concen: 56.917 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:164 Resp: 180128
Ion Ratio Lower Upper
164 100
166 131.4 104.0 156.0
129 97.7 79.2 118.8
131 93.9 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

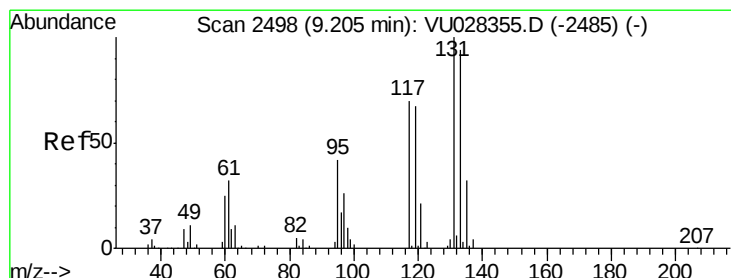
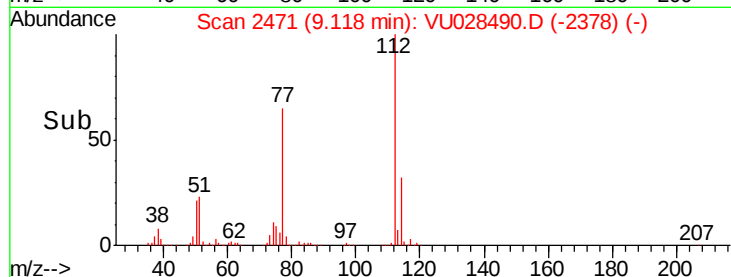
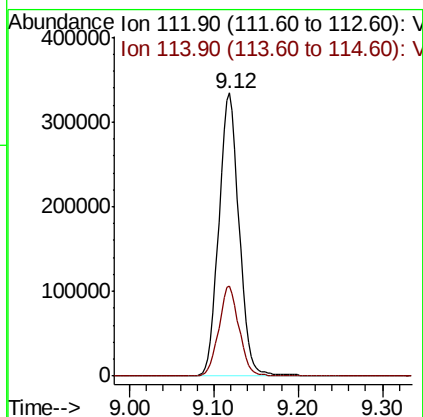
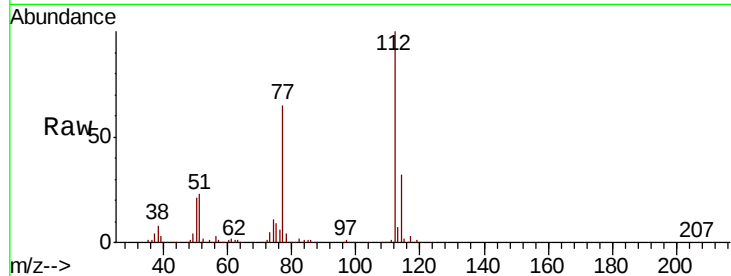




#65
Chlorobenzene
Concen: 55.972 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

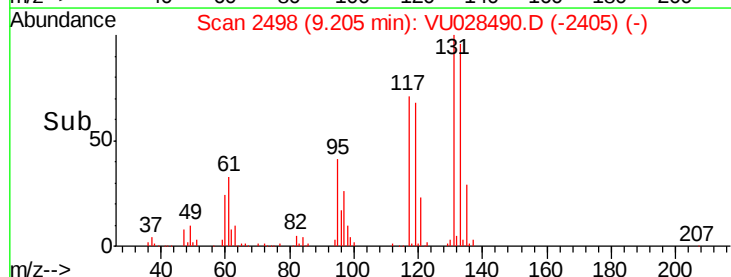
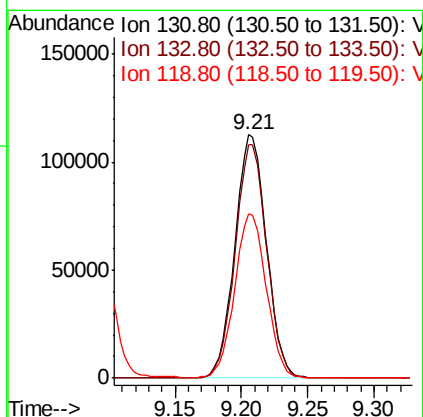
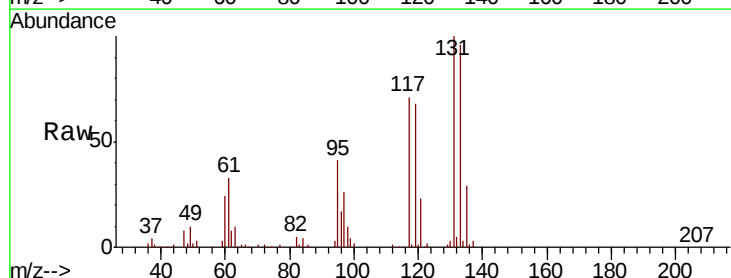
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

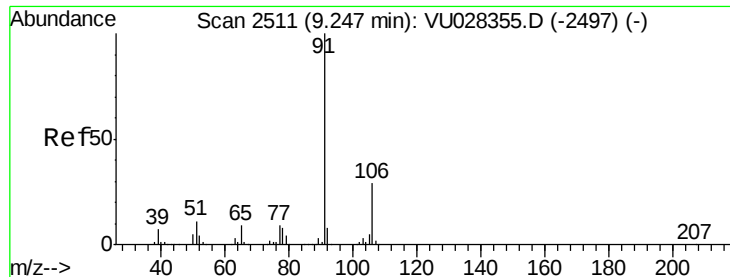
Tot Ion:112 Resp: 559159
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.463 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:131 Resp: 186499
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.8
119 67.4 34.1 102.2





#67

Ethyl Benzene

Concen: 55.282 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

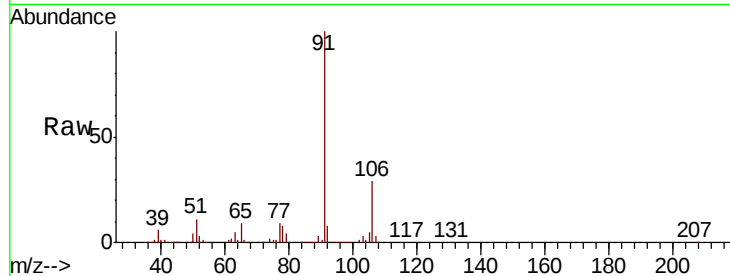
VSTDCCC050EC

Tot Ion: 91 Resp: 1040152

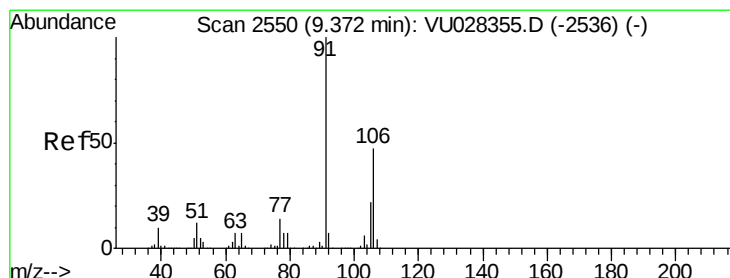
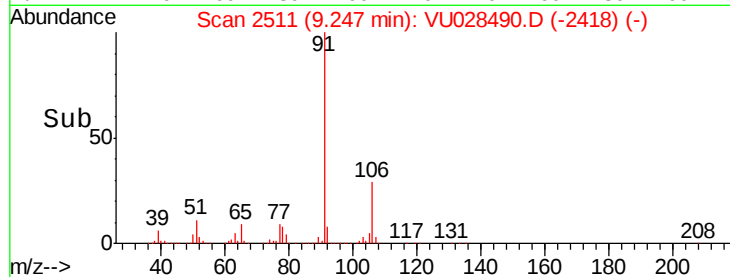
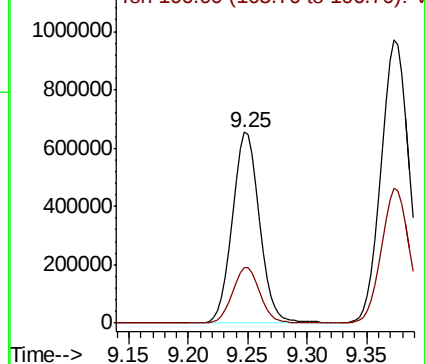
Ion Ratio Lower Upper

91 100

106 29.2 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 112.293 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028490.D

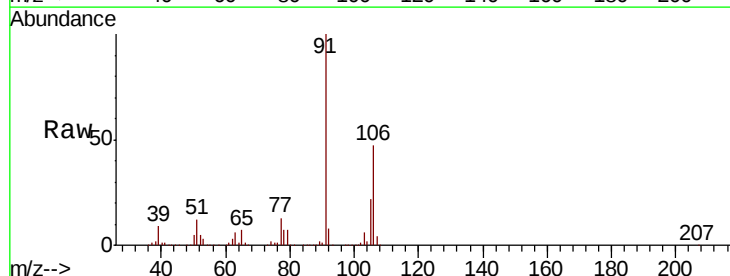
Acq: 05 Dec 2018 19:02

Tgt Ion: 106 Resp: 760483

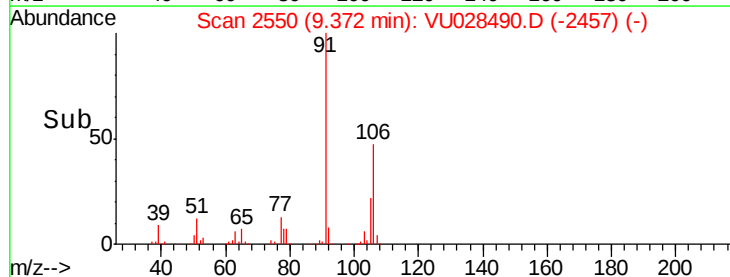
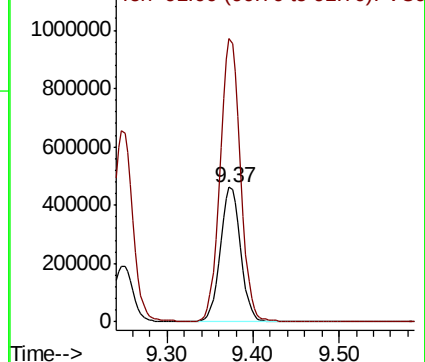
Ion Ratio Lower Upper

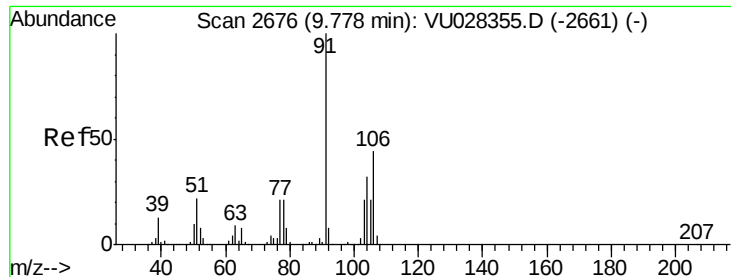
106 100

91 210.3 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)

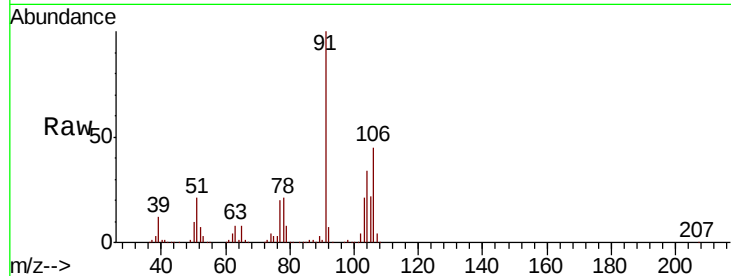




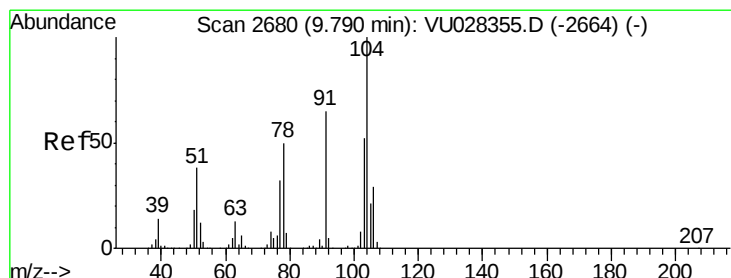
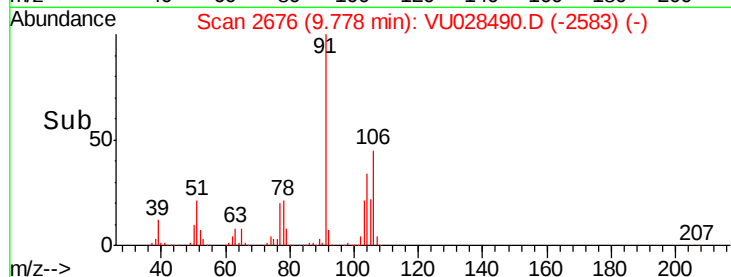
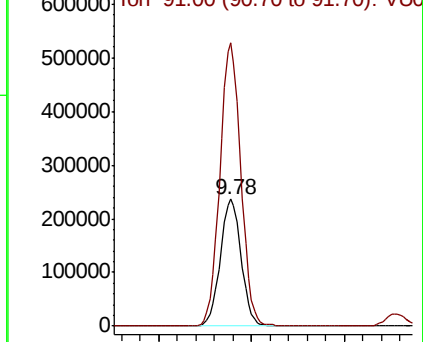
#69
o-Xylene
Concen: 55.022 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 370429
Ion Ratio Lower Upper
106 100
91 223.0 112.7 338.0

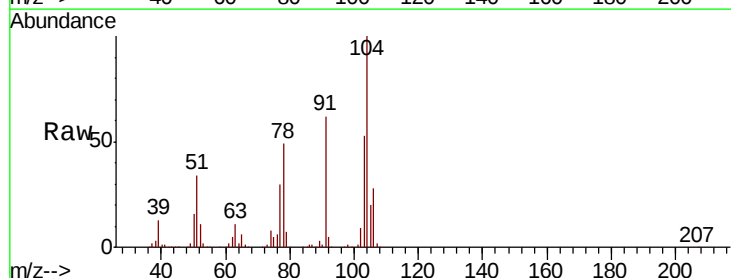


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

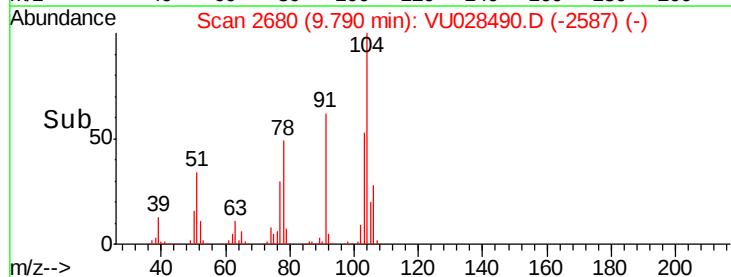
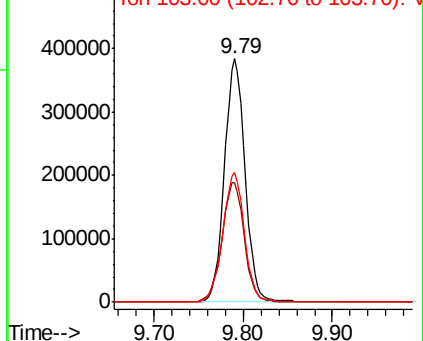


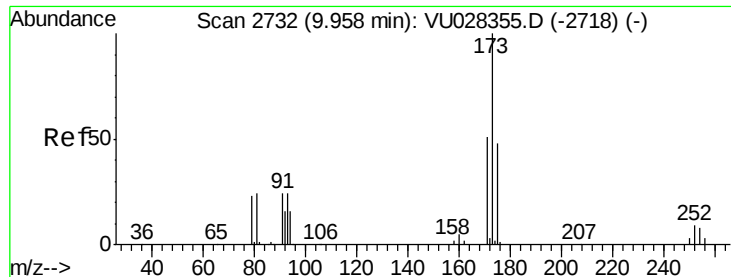
#70
Styrene
Concen: 56.607 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:104 Resp: 614621
Ion Ratio Lower Upper
104 100
78 52.9 43.3 64.9
103 55.8 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.760 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

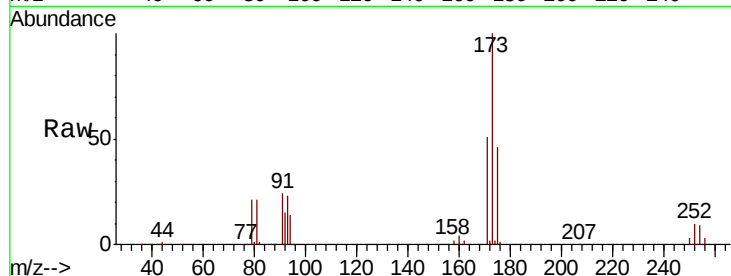
Tot Ion:173 Resp: 157611

Ion Ratio Lower Upper

173 100

175 47.4 24.1 72.4

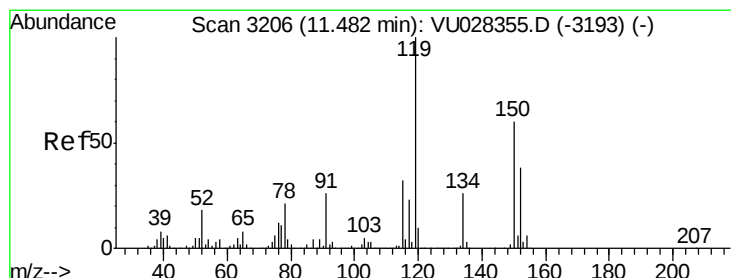
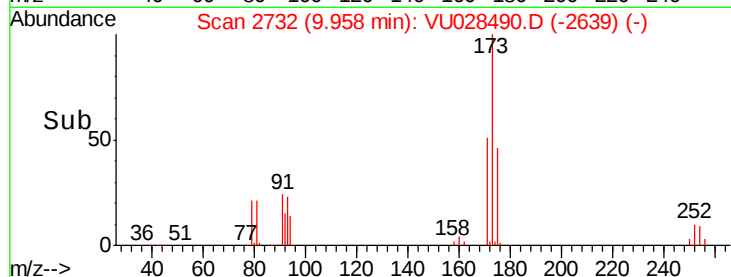
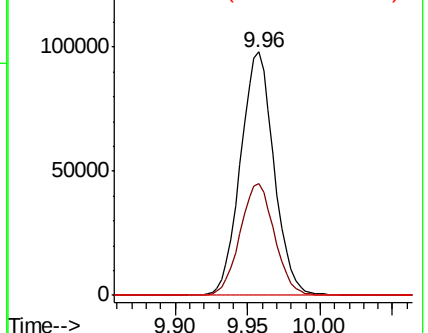
254 0.1 0.0 0.0#



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: VU028490.D

Acq: 05 Dec 2018 19:02

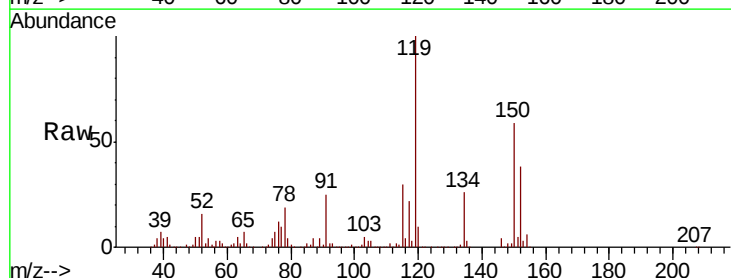
Tgt Ion:152 Resp: 246733

Ion Ratio Lower Upper

152 100

115 84.8 45.0 134.8

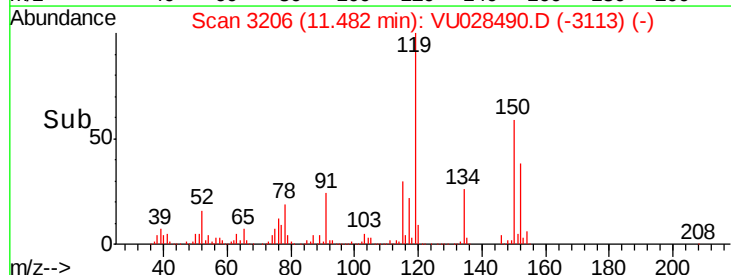
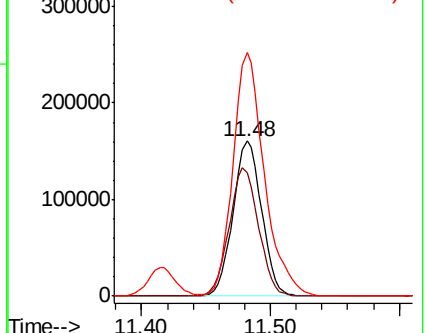
150 173.1 0.0 349.2

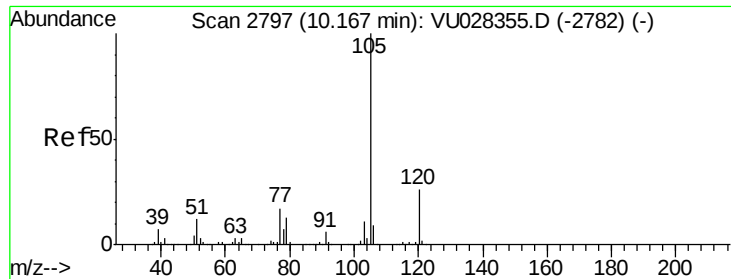


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

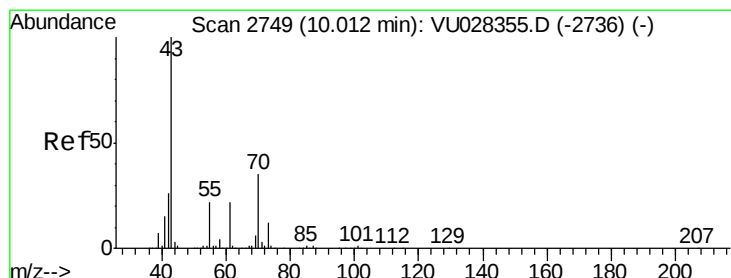
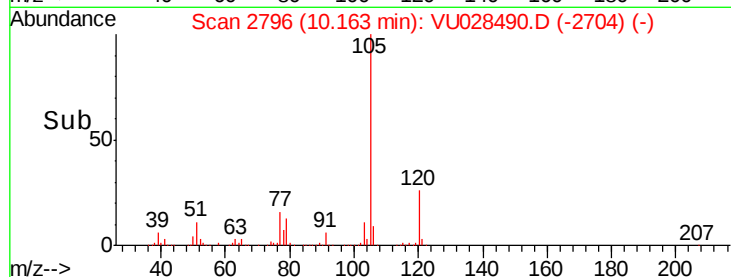
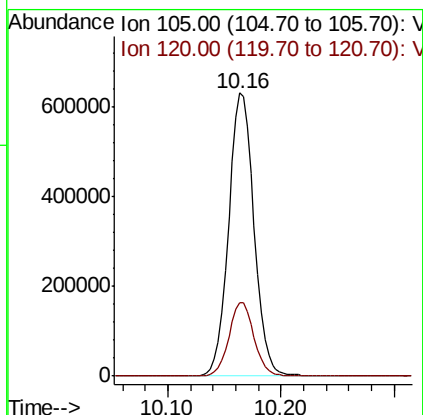
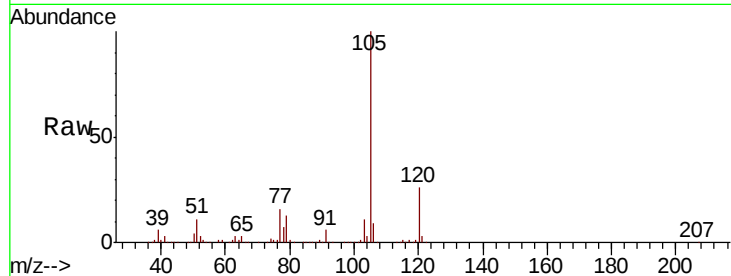




#73
Isopropylbenzene
Concen: 51.259 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

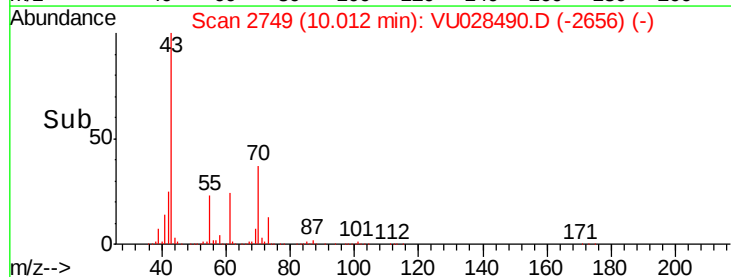
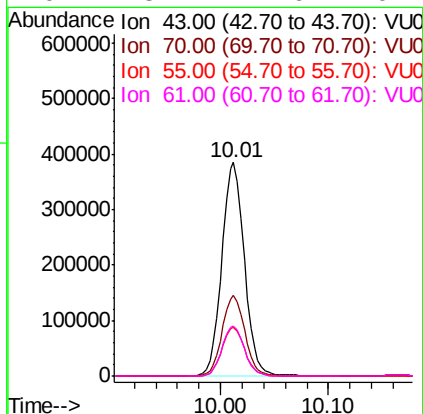
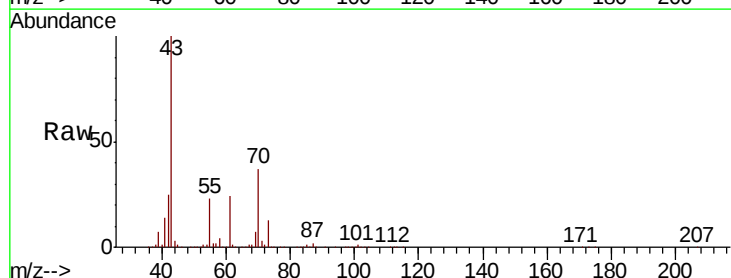
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

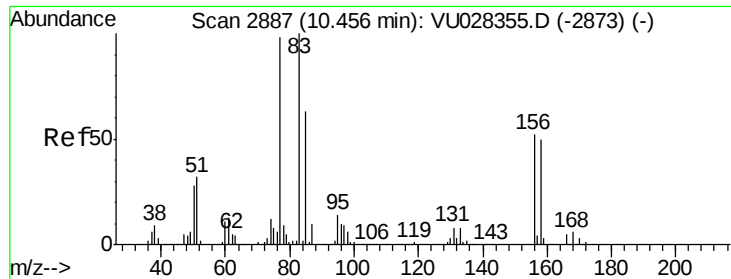
Tot Ion:105 Resp: 983641
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3



#74
N-ethyl acetate
Concen: 46.402 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 43 Resp: 557899
Ion Ratio Lower Upper
43 100
70 38.2 28.4 42.6
55 23.0 18.0 27.0
61 23.4 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.376 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

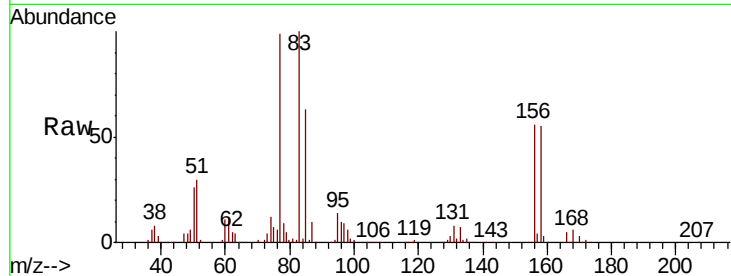
Tot Ion: 83 Resp: 381752

Ion Ratio Lower Upper

83 100

131 8.1 4.0 12.2

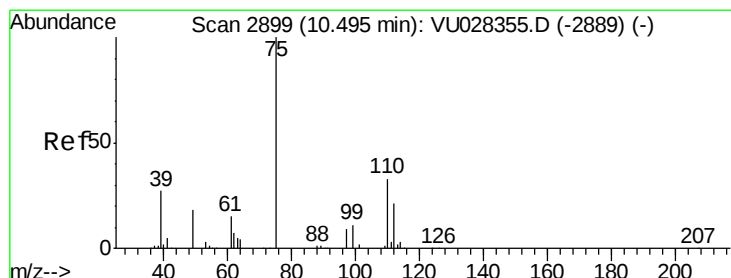
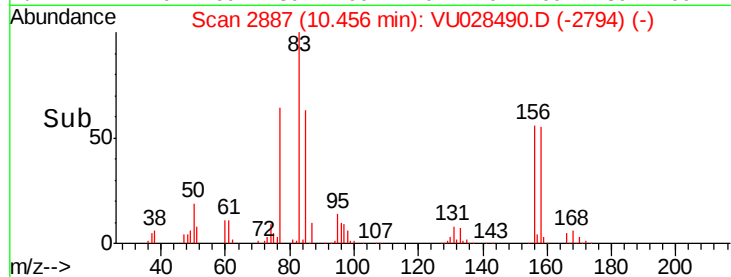
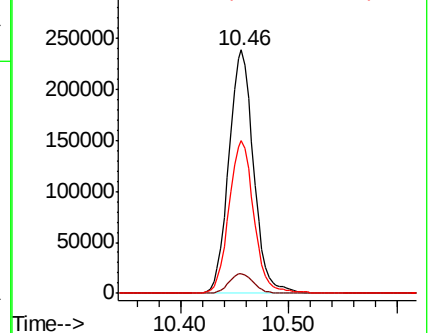
85 63.3 31.8 95.4



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: 67.956 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028490.D

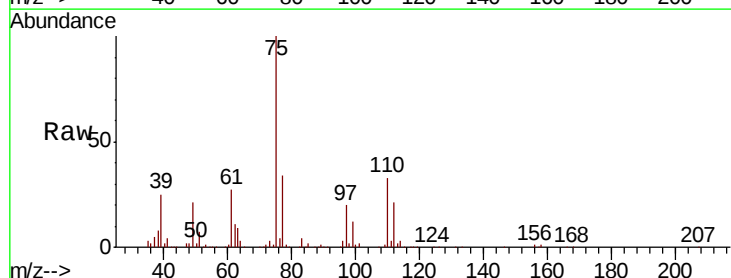
Acq: 05 Dec 2018 19:02

Tgt Ion: 75 Resp: 464960

Ion Ratio Lower Upper

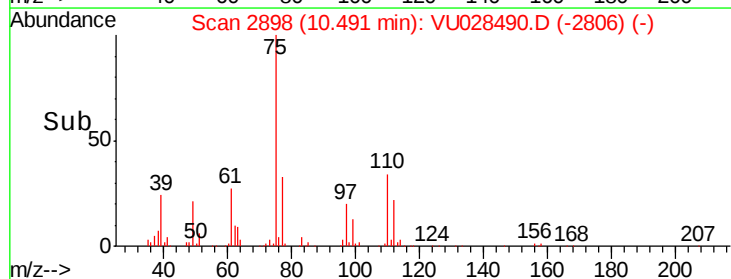
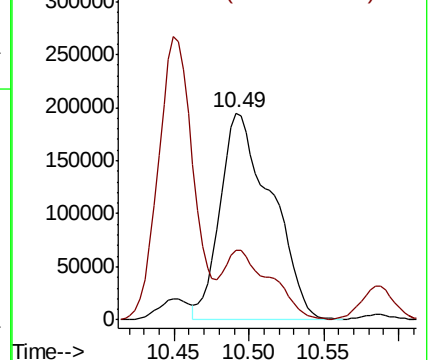
75 100

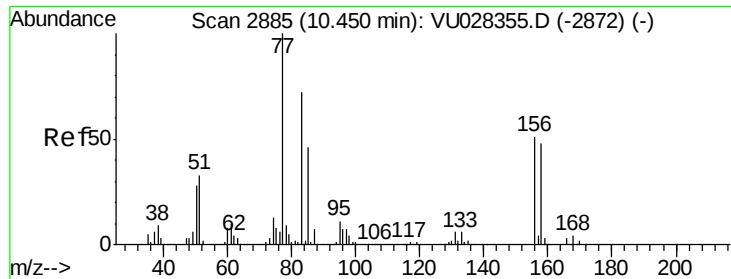
77 30.6 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 52.608 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

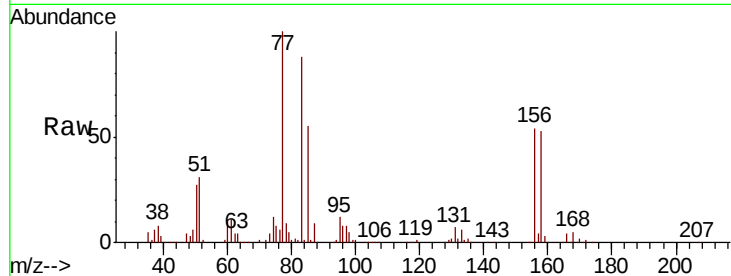
Tot Ion:156 Resp: 237877

Ion Ratio Lower Upper

156 100

77 182.7 97.0 290.9

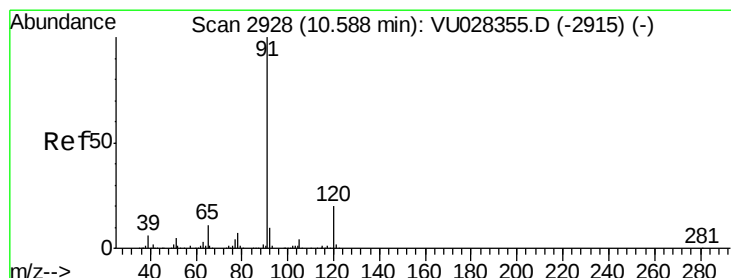
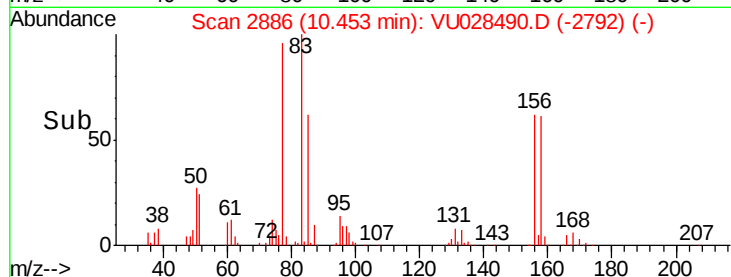
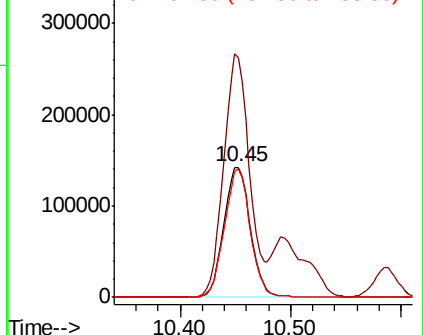
158 96.2 46.8 140.4



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: 52.003 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028490.D

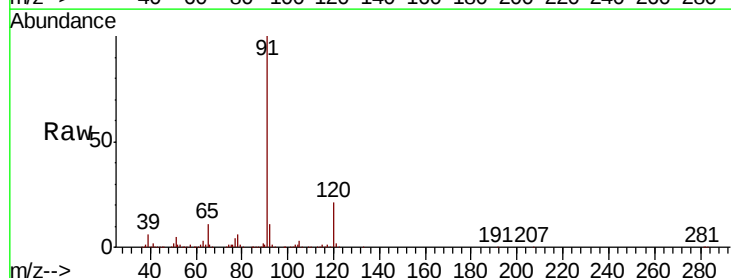
Acq: 05 Dec 2018 19:02

Tgt Ion: 91 Resp: 1231073

Ion Ratio Lower Upper

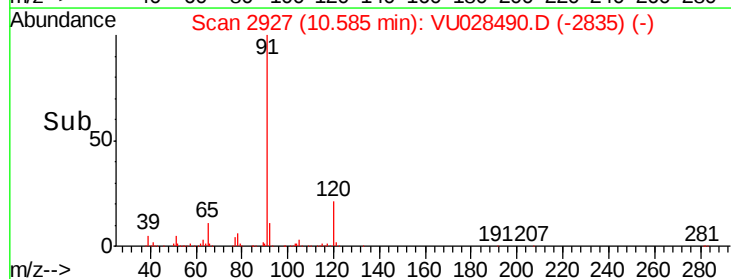
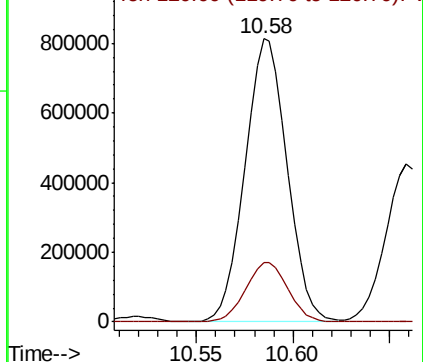
91 100

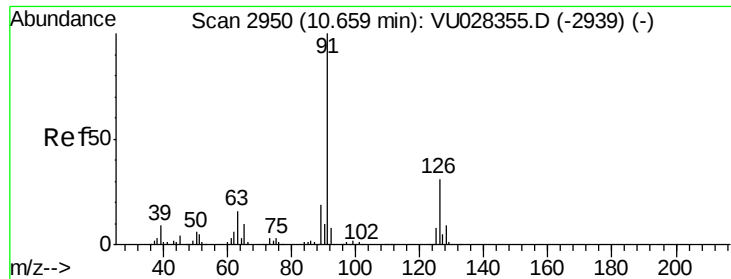
120 21.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.431 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

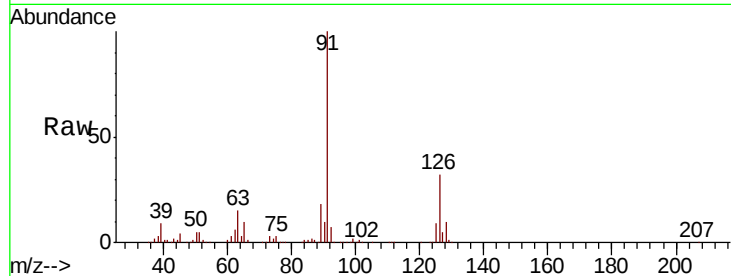
VSTDCCC050EC

Tot Ion: 91 Resp: 703781

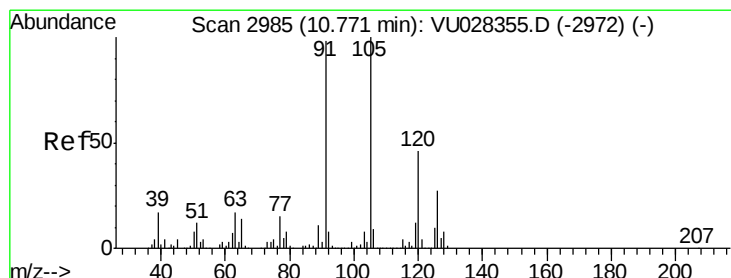
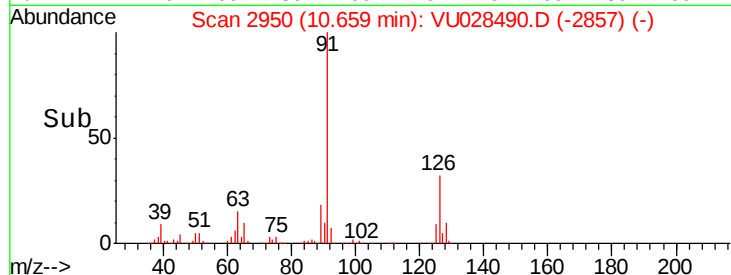
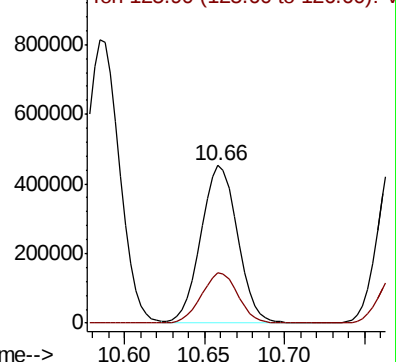
Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.508 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028490.D

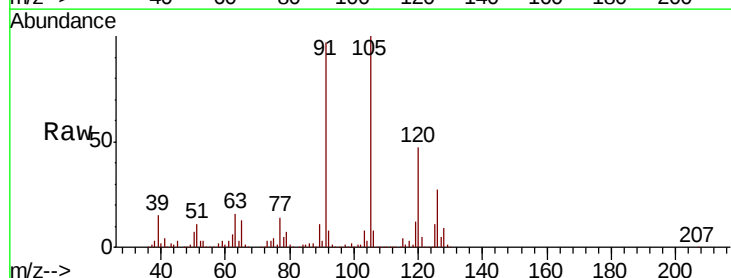
Acq: 05 Dec 2018 19:02

Tgt Ion: 105 Resp: 832941

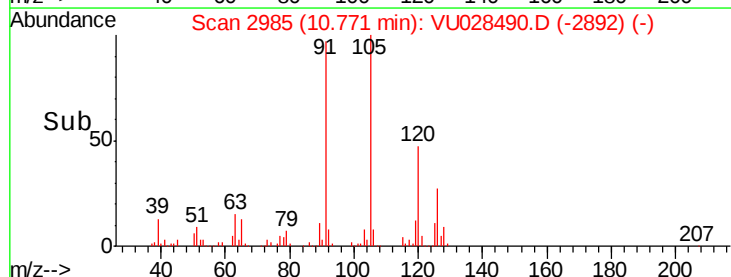
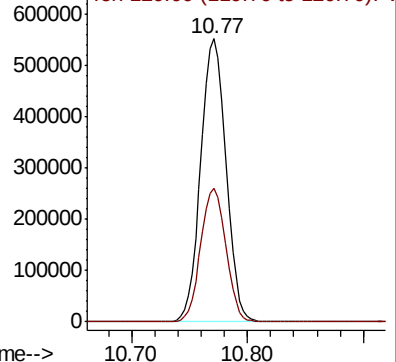
Ion Ratio Lower Upper

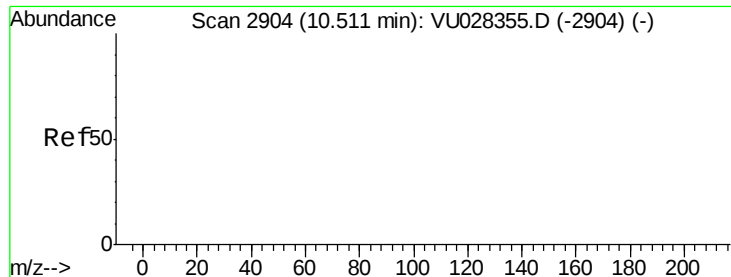
105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

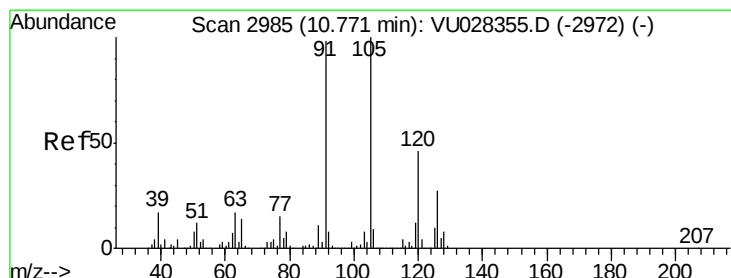
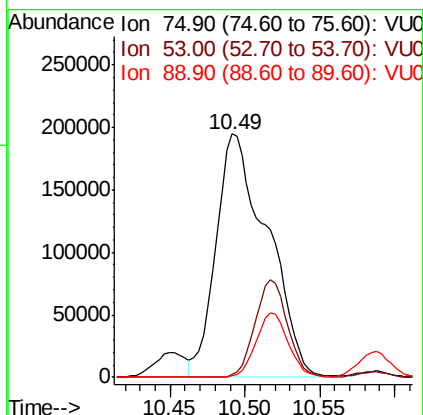
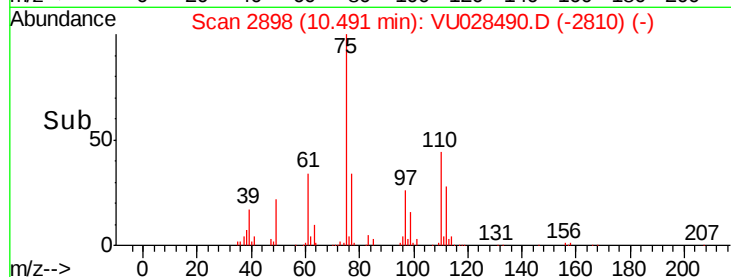
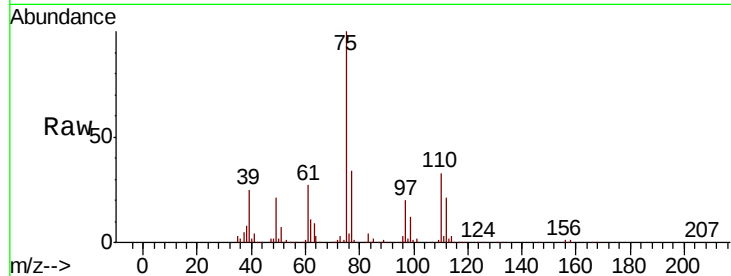




#81
trans-1,4-Dichloro-2-butene
Concen: 180.388 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

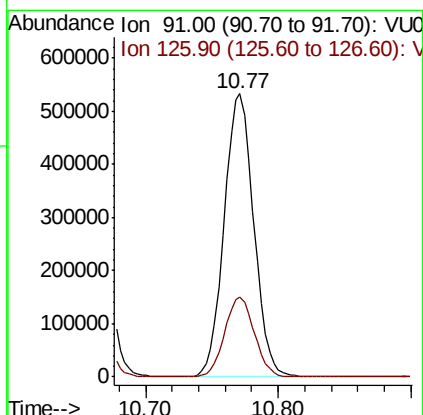
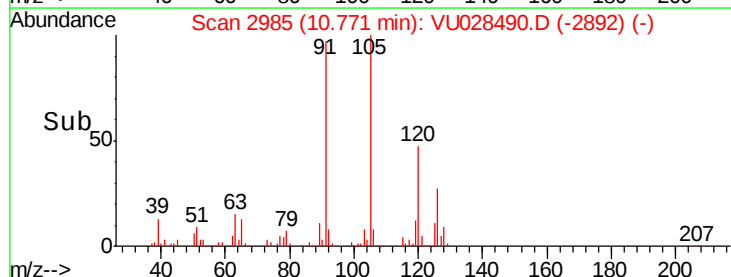
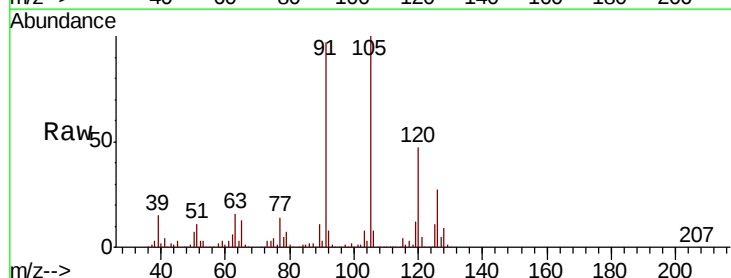
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

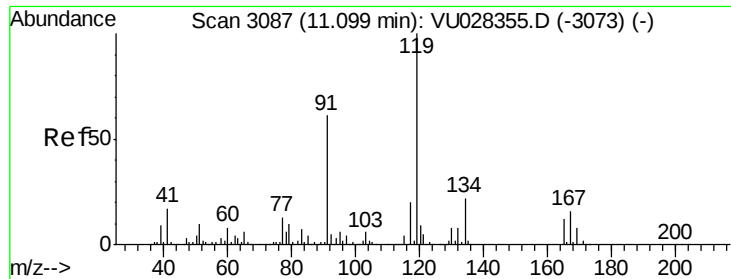
Tot Ion: 75 Resp: 464960
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.092 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 91 Resp: 821493
Ion Ratio Lower Upper
91 100
126 28.4 13.9 41.6

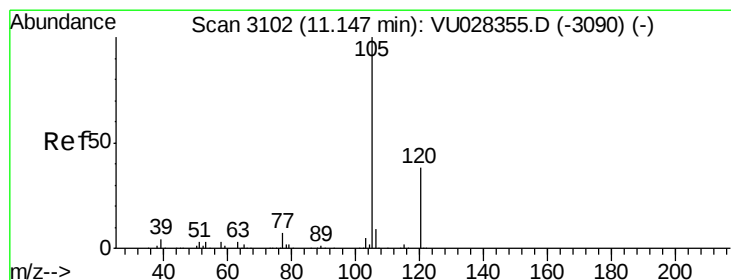
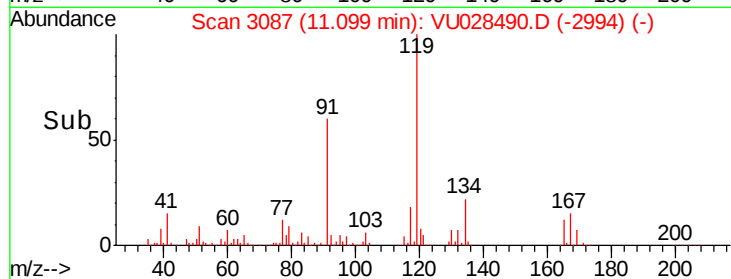
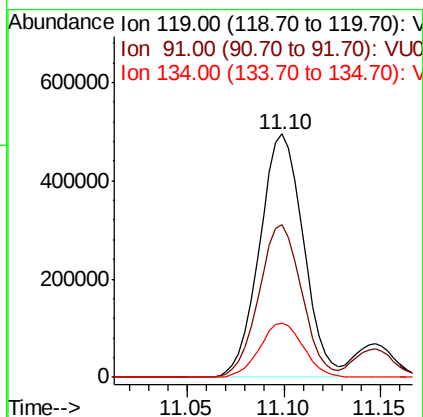
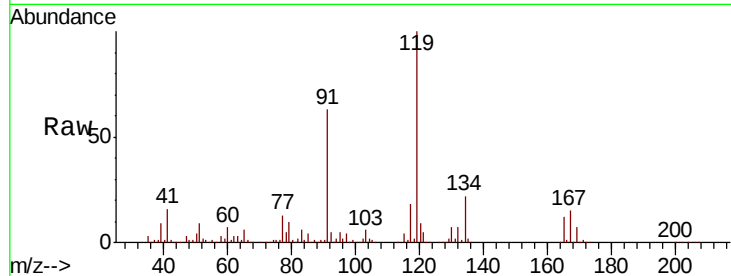




#83
tert-Butylbenzene
Concen: 51.637 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

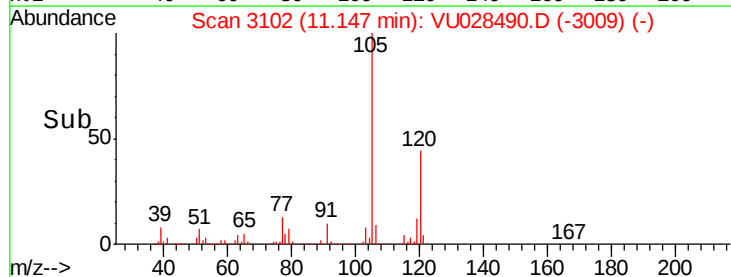
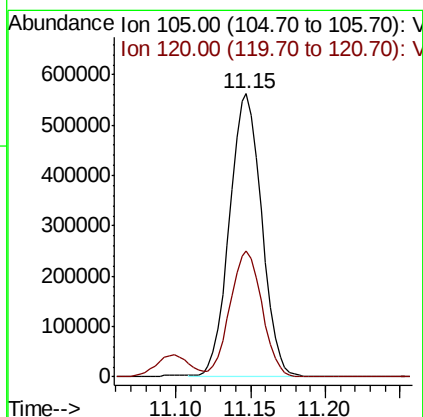
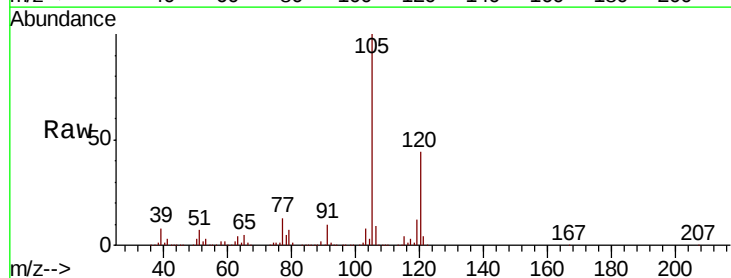
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

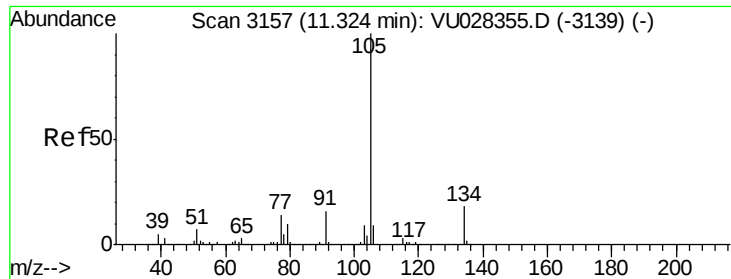
Tot Ion:119 Resp: 778415
Ion Ratio Lower Upper
119 100
91 61.7 30.8 92.4
134 22.3 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 51.342 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:105 Resp: 840941
Ion Ratio Lower Upper
105 100
120 44.6 21.4 64.3





#85

sec-Butylbenzene

Concen: 51.926 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

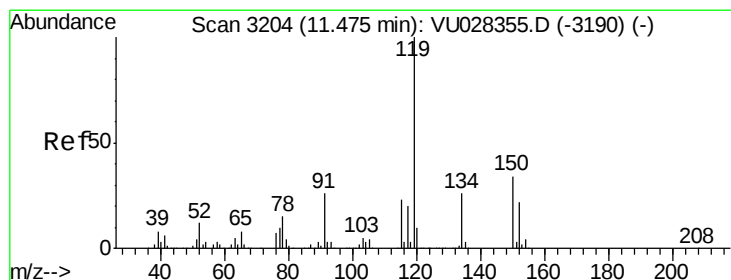
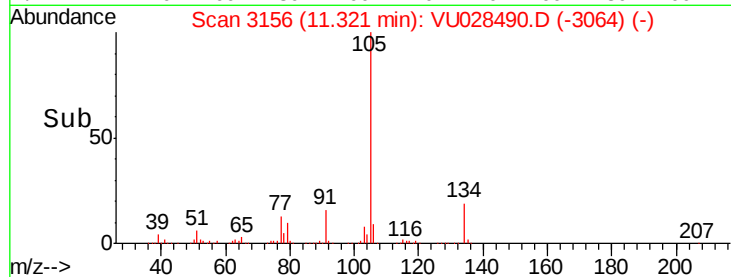
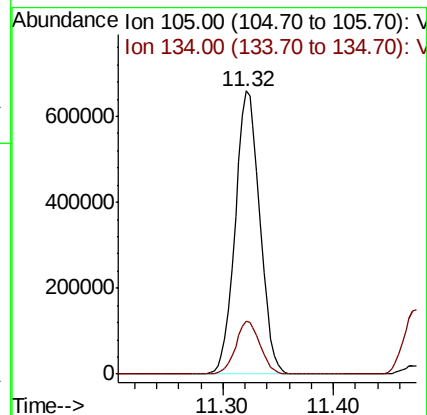
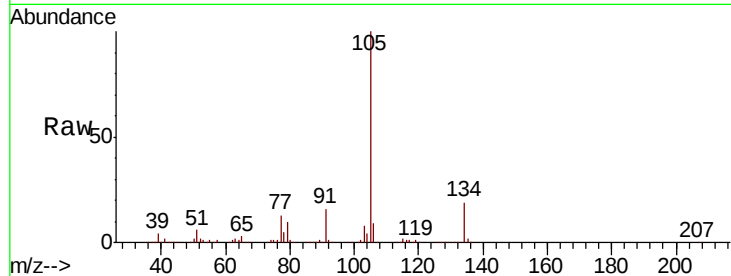
VSTDCCC050EC

Tot Ion:105 Resp: 1016699

Ion Ratio Lower Upper

105 100

134 18.5 9.3 27.7



#86

p-Isopropyltoluene

Concen: 53.789 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

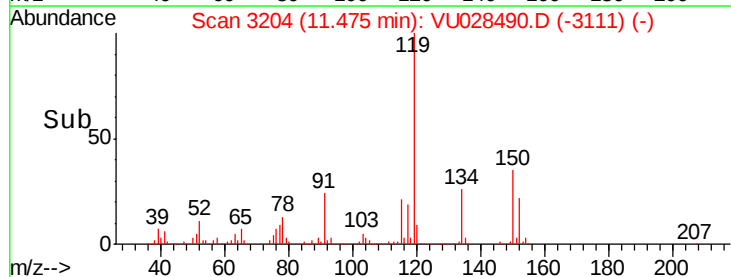
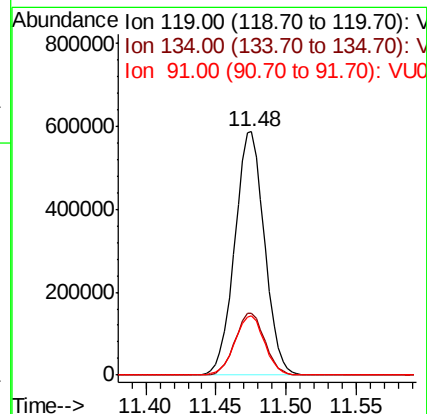
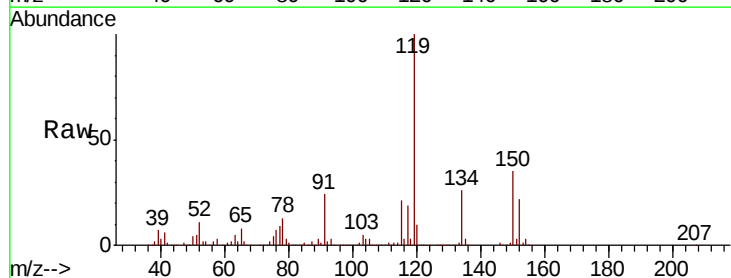
Tgt Ion:119 Resp: 865978

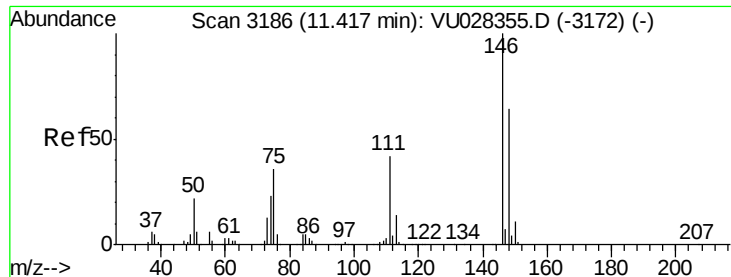
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.5 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 52.806 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

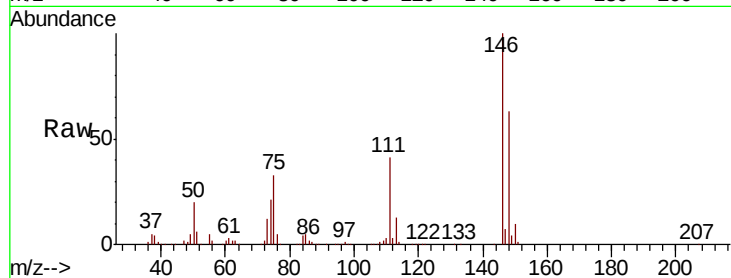
Tot Ion:146 Resp: 435492

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.4

148 63.8 31.8 95.3

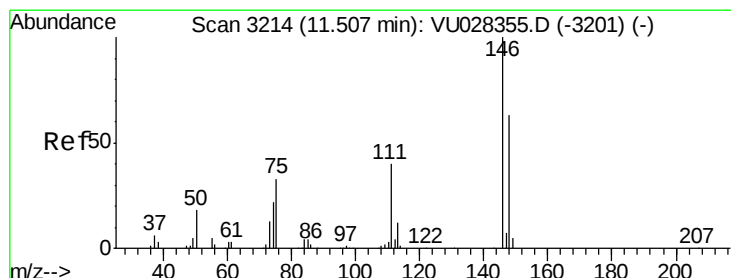
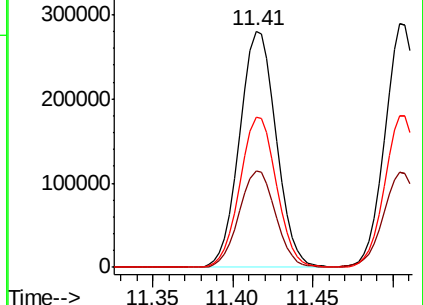
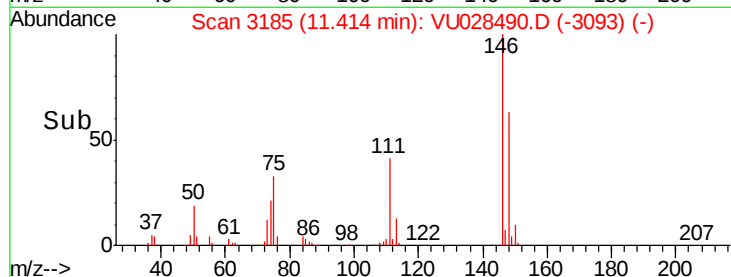


Abundance

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: 53.149 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

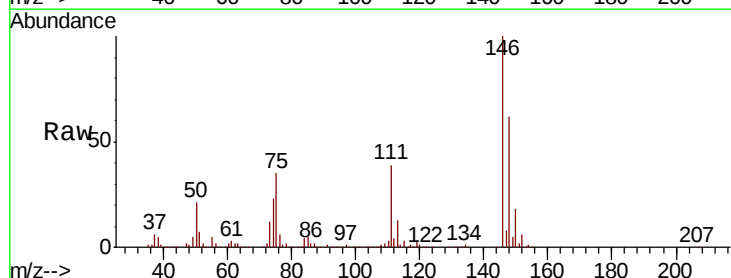
Tgt Ion:146 Resp: 441129

Ion Ratio Lower Upper

146 100

111 39.9 20.6 61.9

148 63.4 31.1 93.5

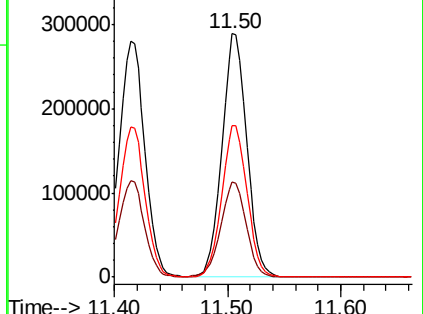
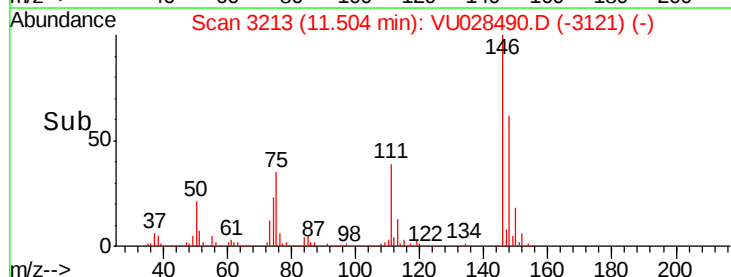


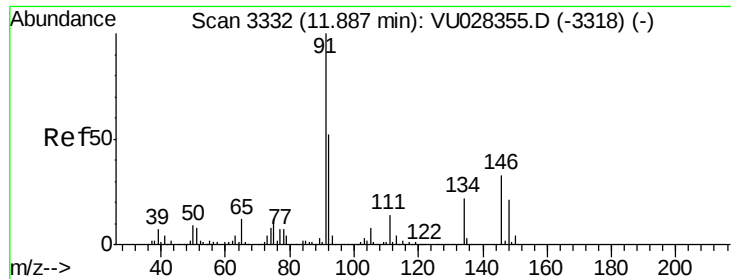
Abundance

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

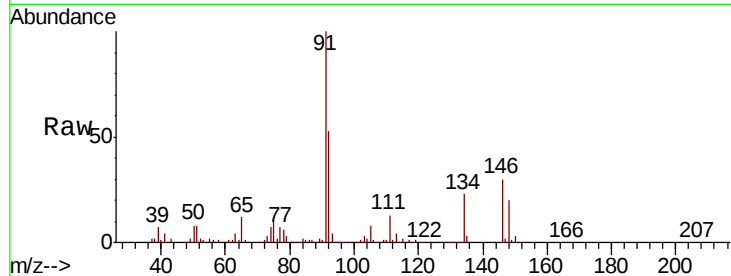




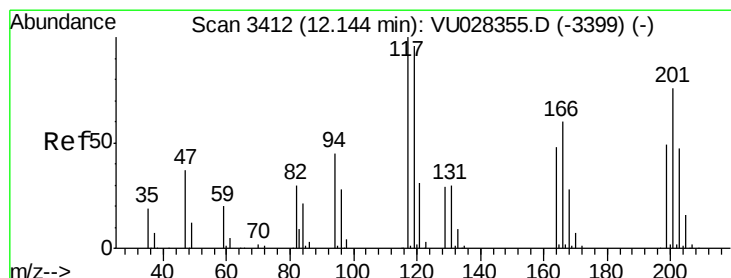
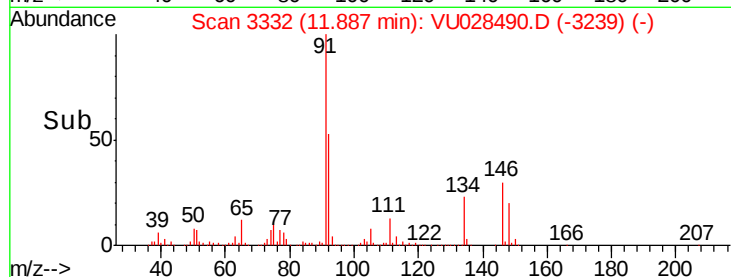
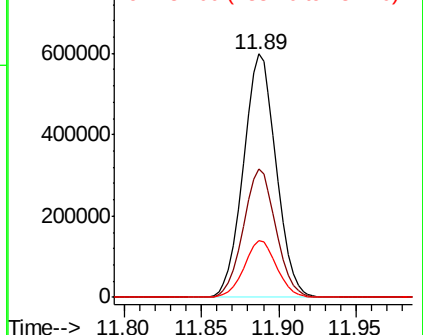
#89
n-Butylbenzene
Concen: 55.366 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 879713
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 23.1 11.1 33.1

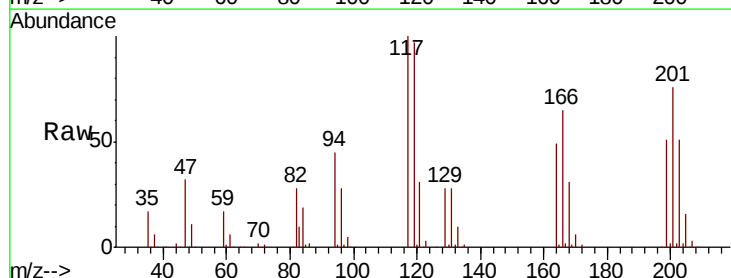


Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-3318) (-)
Ion 92.00 (91.70 to 92.70): VU028355.D (-3318) (-)
Ion 134.00 (133.70 to 134.70): VU028355.D (-3318) (-)

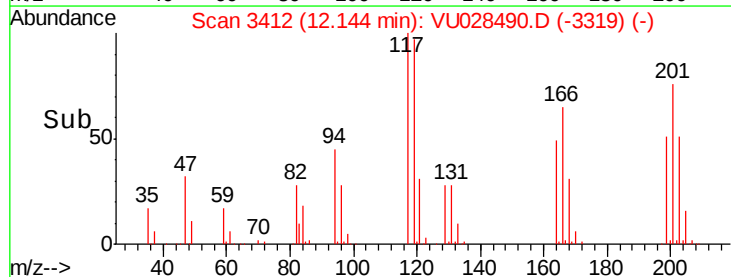
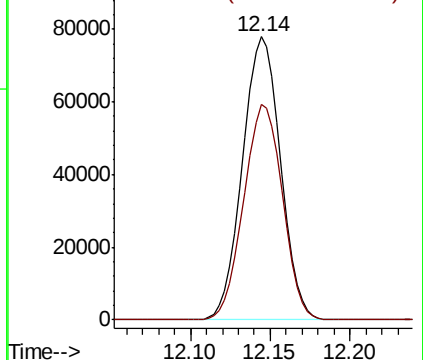


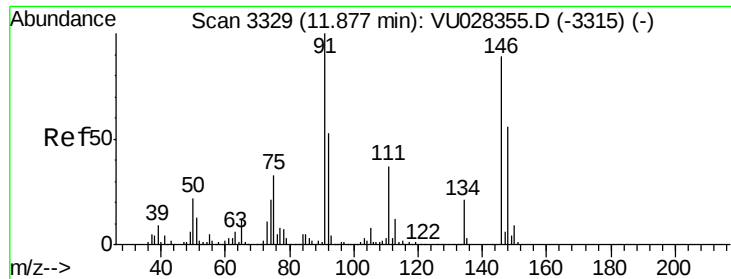
#90
Hexachloroethane
Concen: 50.227 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion: 117 Resp: 126245
Ion Ratio Lower Upper
117 100
201 77.8 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU028355.D (-3399) (-)





#91

1,2-Dichlorobenzene

Concen: 52.487 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

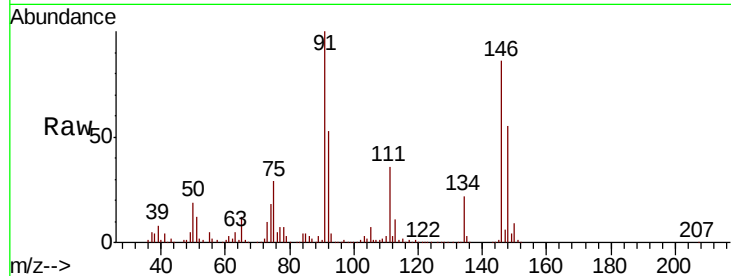
Tot Ion:146 Resp: 431873

Ion Ratio Lower Upper

146 100

111 42.3 21.4 64.3

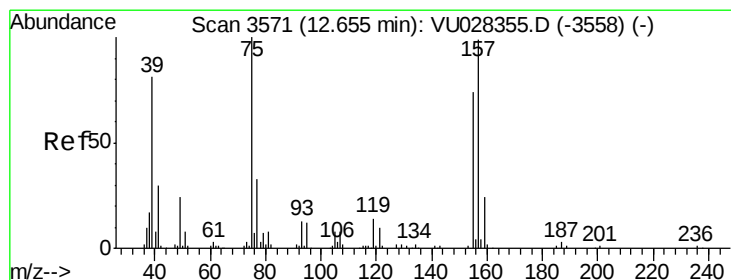
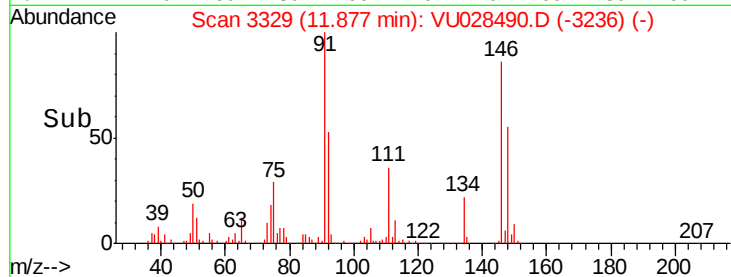
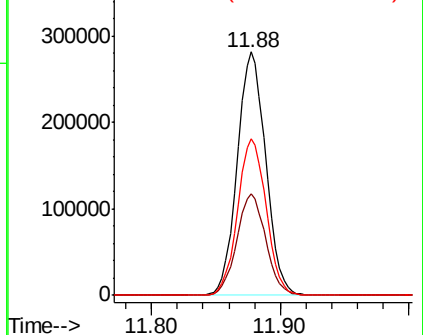
148 64.5 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.189 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028490.D

Acq: 05 Dec 2018 19:02

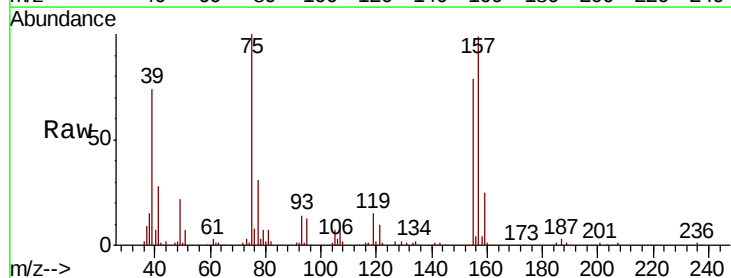
Tgt Ion: 75 Resp: 86341

Ion Ratio Lower Upper

75 100

155 78.4 36.9 110.7

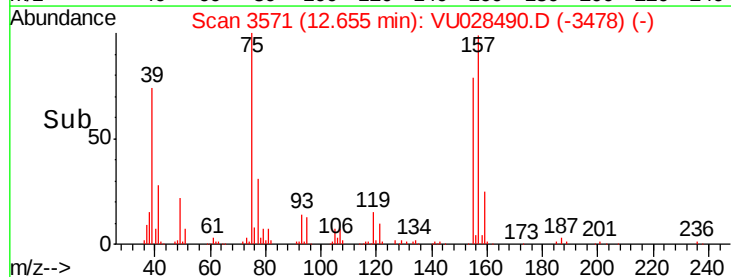
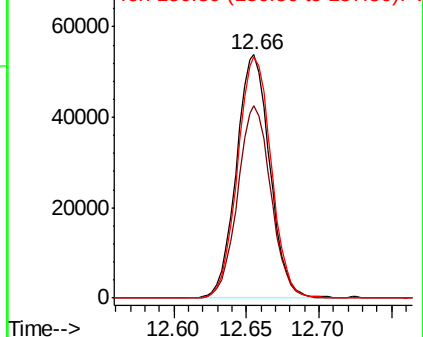
157 99.7 47.5 142.5

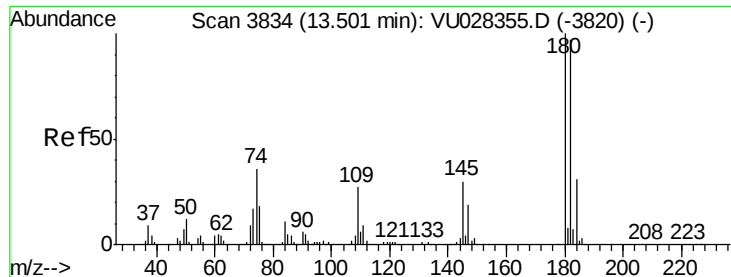


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

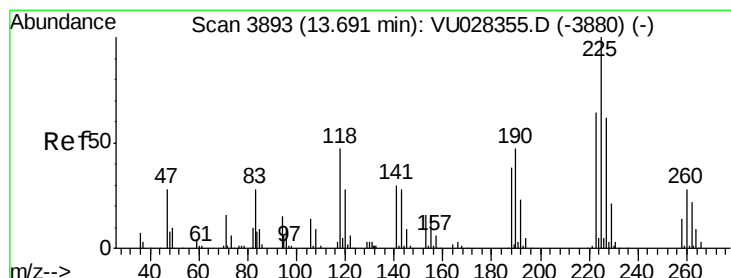
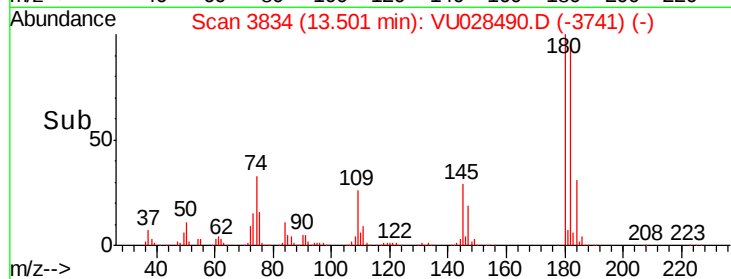
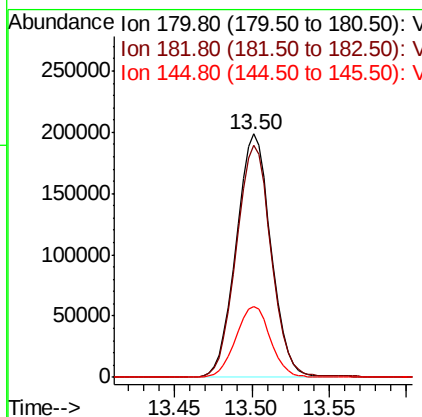
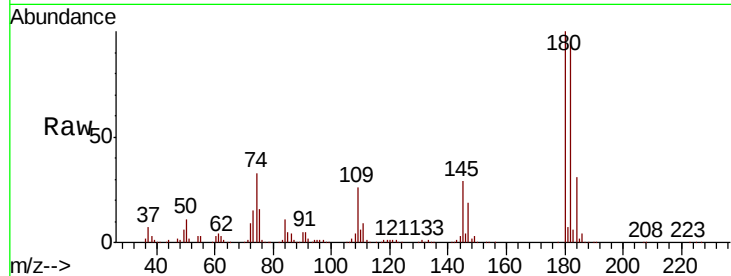




#93
 1,2,4-Trichlorobenzene
 Concen: 57.531 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

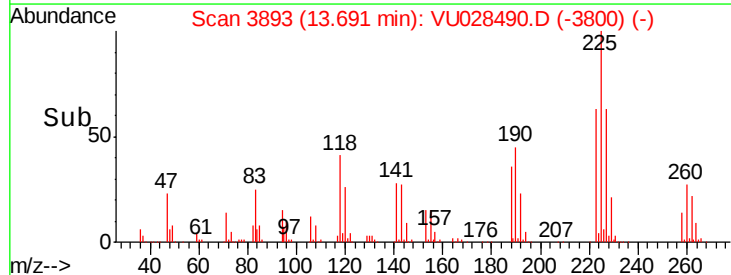
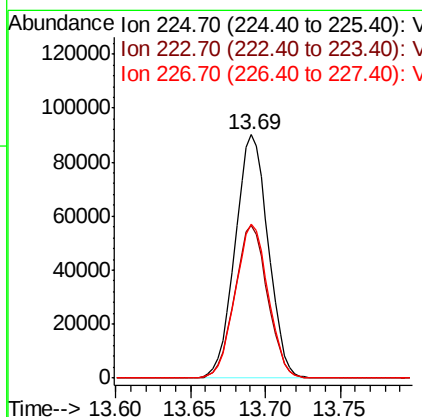
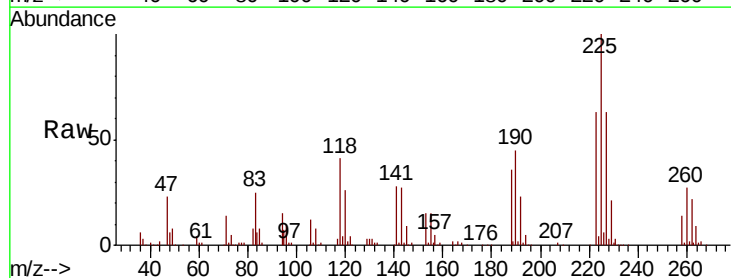
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

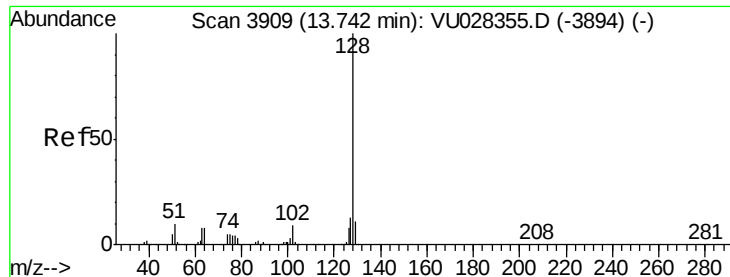
Tot Ion:180 Resp: 309853
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.3 144.9
 145 29.2 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 54.475 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028490.D
 Acq: 05 Dec 2018 19:02

Tgt Ion:225 Resp: 138540
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 94.7
 227 63.3 30.8 92.4

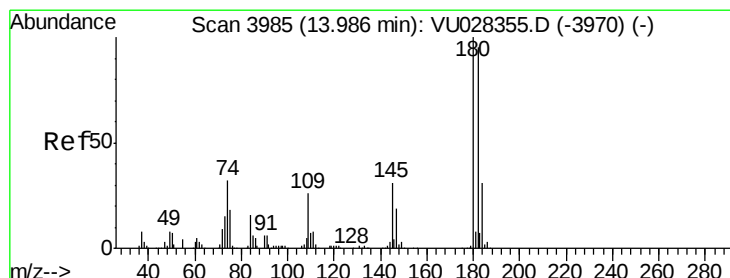
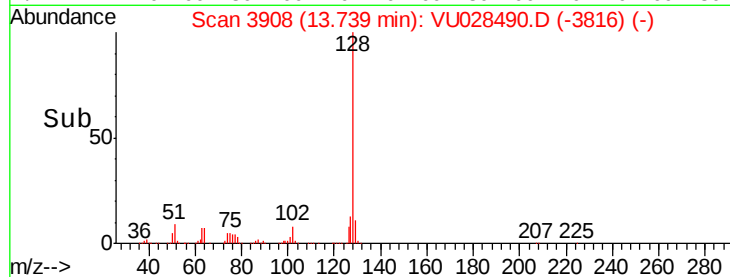
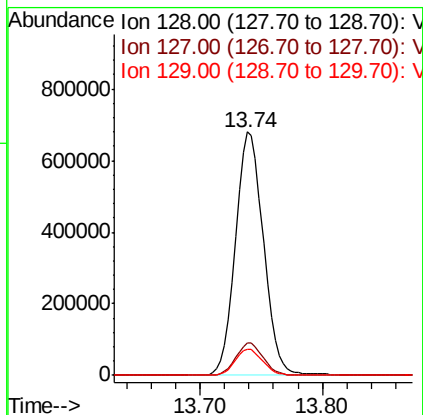
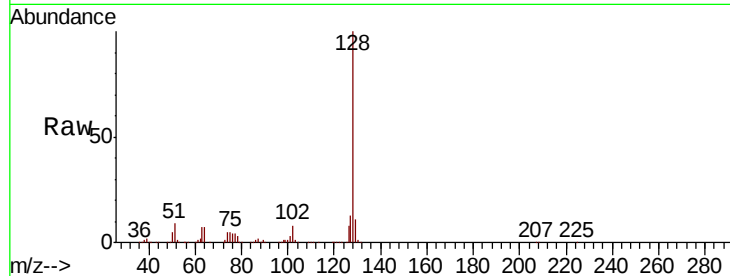




#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1082206
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 57.738 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028490.D
Acq: 05 Dec 2018 19:02

Tgt Ion:180 Resp: 314509
Ion Ratio Lower Upper
180 100
182 94.6 47.7 143.1
145 31.1 15.7 47.1

