

Data File : VU029830.D
Acq On : 06 Mar 2019 09:26
Operator : JC/SP
Sample : VSTDIC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Quant Time: Mar 07 01:02:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	63700	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	22235	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24672	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	11036	0.518 ug/l	97
3) Chloromethane	1.33	50	10701	0.564 ug/l	97
4) Vinyl Chloride	1.40	62	11170	0.523 ug/l	98
5) Bromomethane	1.63	94	8612	0.591 ug/l	90
6) Chloroethane	1.70	64	7037	0.550 ug/l	96
7) Trichlorofluoromethane	1.88	101	15114	0.519 ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	9007	0.532 ug/l	98
9) 1,1-Dichloroethene	2.28	96	8731	0.527 ug/l	98
10) Iodomethane	2.41	142	4791	0.334 ug/l	97
11) Allyl Chloride	2.59	41	12225	0.525 ug/l	95
12) Acrylonitrile	2.93	53	3780	1.046 ug/l	90
13) Acetone	2.32	43	8904	2.976 ug/l	98
14) Carbon Disulfide	2.47	76	28096	0.524 ug/l	97
15) Methylene Chloride	2.69	84	11647	0.586 ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	9622	0.514 ug/l	96
17) 1,1-Dichloroethane	3.44	63	16578	0.529 ug/l	95
18) 2-Butanone	4.28	43	9762	2.401 ug/l	89
19) Cyclohexane	4.98	56	10287	0.433 ug/l	99
20) Methylcyclohexane	6.41	83	13549	0.478 ug/l	96
21) 2,2-Dichloropropane	4.22	77	13248	0.518 ug/l	94
22) cis-1,2-Dichloroethene	4.23	96	10277	0.518 ug/l	97
23) Diethyl Ether	2.10	59	6444	0.519 ug/l	93
24) tert-Butyl Alcohol	2.84	59	7223	5.637 ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	21310	0.511 ug/l	98
26) Bromochloromethane	4.54	128	4305	0.489 ug/l	92
27) Chloroform	4.67	83	16343	0.515 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	13145	0.489 ug/l	97
29) 1,1-Dichloropropene	5.13	75	11977	0.501 ug/l	95
30) Carbon Tetrachloride	5.13	117	11383	0.485 ug/l	95
31) Isopropyl Ether	3.57	45	22197	0.514 ug/l	97
32) Ethyl-t-butyl ether	4.07	59	20812	0.496 ug/l	99
33) Tert-Amyl methyl ether	5.58	73	18407	0.474 ug/l	99
34) Propionitrile	4.33	54	2959	2.446 ug/l #	81
35) Benzene	5.38	78	34893	0.496 ug/l	97
36) 1,2-Dichloroethane	5.40	62	9896	0.515 ug/l	95
37) Trichloroethene	6.18	130	10638	0.518 ug/l	95
38) 1,2-Dichloropropane	6.43	63	8917	0.500 ug/l	99
39) Methacrylonitrile	4.56	41	2356	0.463 ug/l #	88
40) Methyl acrylate	4.44	55	4007	0.498 ug/l #	72
41) Tetrahydrofuran	4.66	42	2965	1.114 ug/l	89
42) 1-Chlorobutane	5.06	56	13963	0.457 ug/l	93

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4383	0.475	ug/l	96
44) Bromodichloromethane	6.75	83	11606	0.512	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	22634	2.350	ug/l	95
46) t-1,4-Dichloro-2-butene	10.49	75	9566	2.282	ug/l #	50
47) Methyl methacrylate	6.63	69	6522	0.823	ug/l	90
48) Ethyl methacrylate	8.02	69	6368	0.419	ug/l	92
49) Toluene	7.63	92	20355	0.471	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	9458	0.476	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	11780	0.479	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	6937	0.508	ug/l	97
53) 1,3-Dichloropropane	8.24	76	11032	0.492	ug/l	99
54) 2-Hexanone	8.37	43	15848	2.369	ug/l	95
55) Dibromochloromethane	8.48	129	7856	0.484	ug/l	93
56) 1,2-Dibromoethane	8.59	107	6501	0.502	ug/l	98
58) Tetrachloroethene	8.22	164	11028	0.525	ug/l	98
59) Chlorobenzene	9.12	112	24256	0.488	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	8886	0.499	ug/l	98
61) Pentachloroethane	11.10	117	5727	0.462	ug/l	95
62) Hexachloroethane	12.14	117	6109	0.468	ug/l	97
63) Ethyl Benzene	9.25	91	37994	0.467	ug/l	98
64) m/p-Xylenes	9.37	106	27529	0.856	ug/l	92
65) o-Xylene	9.78	106	13400	0.434	ug/l	90
66) Styrene	9.79	104	21451	0.418	ug/l	96
67) Bromoform	9.95	173	4413	0.463	ug/l #	94
69) Isopropylbenzene	10.16	105	36536	0.446	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	8486	0.509	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	9566	0.792	ug/l #	79
72) Bromobenzene	10.45	156	10186	0.470	ug/l	97
73) n-propylbenzene	10.59	120	9888	0.429	ug/l	98
74) 2-Chlorotoluene	10.66	126	9349	0.458	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	29722	0.431	ug/l	96
76) 4-Chlorotoluene	10.77	126	9211	0.442	ug/l	99
77) tert-Butylbenzene	11.10	119	29608	0.434	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	28203	0.404	ug/l	96
79) sec-Butylbenzene	11.32	105	37789	0.418	ug/l	99
80) Nitrobenzene	12.90	77	229	0.720	ug/l #	39
81) p-Isopropyltoluene	11.47	119	32098	0.424	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	20326	0.473	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	19642	0.468	ug/l	98
84) n-Butylbenzene	11.89	91	29291	0.424	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	19609	0.484	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1023	0.430	ug/l	94
87) 1,2,4-Trichlorobenzene	13.51	180	10415	0.402	ug/l	96
88) Hexachlorobutadiene	13.69	225	7772	0.476	ug/l	97
89) Naphthalene	13.75	128	14786	0.357	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	9567	0.393	ug/l	90

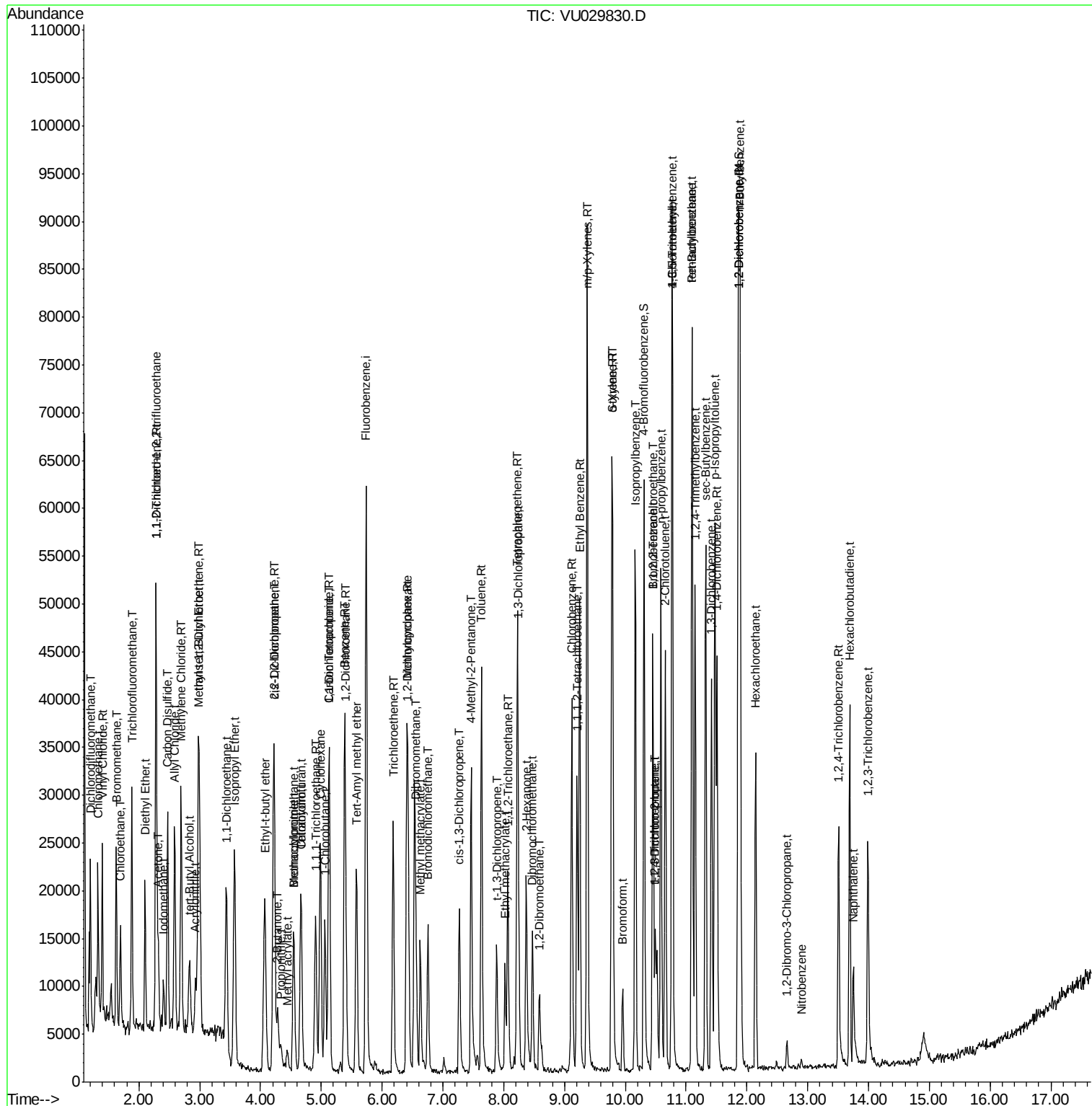
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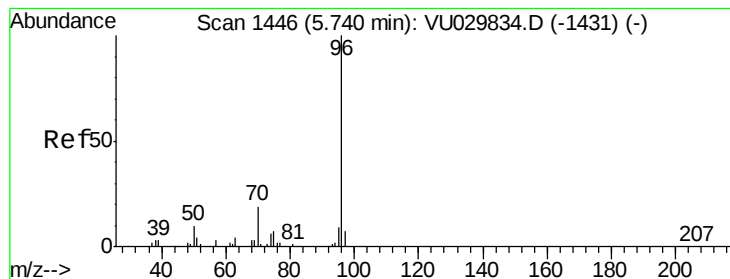
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 63700

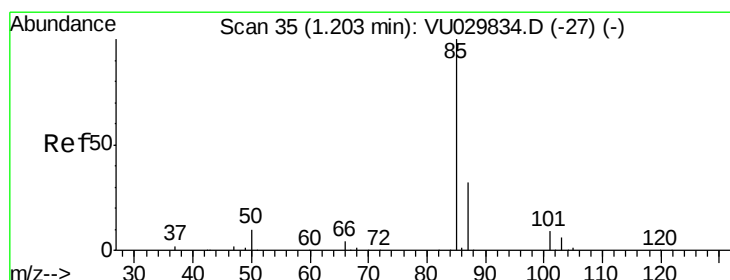
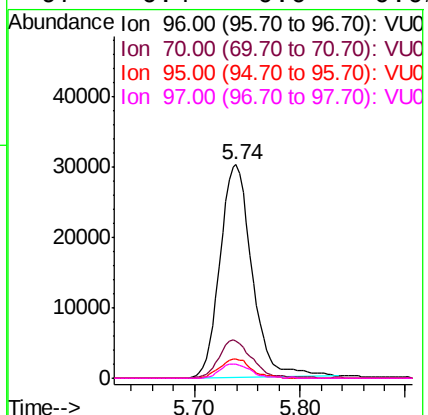
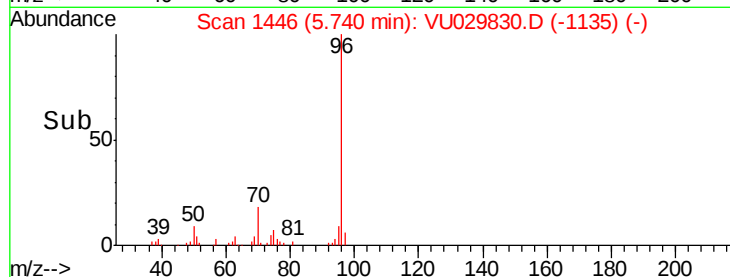
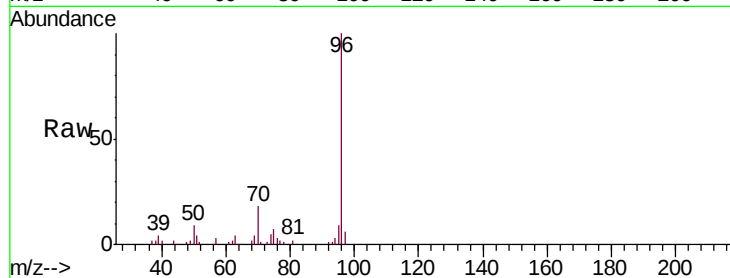
Ion Ratio Lower Upper

96 100

70 18.6 14.4 21.6

95 9.0 7.0 10.6

97 6.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.518 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU029830.D

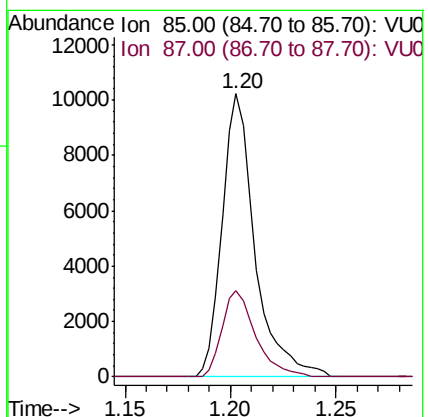
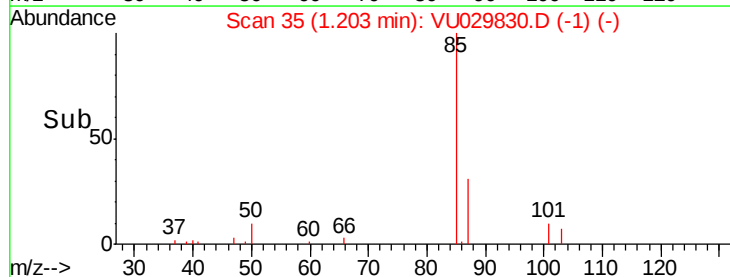
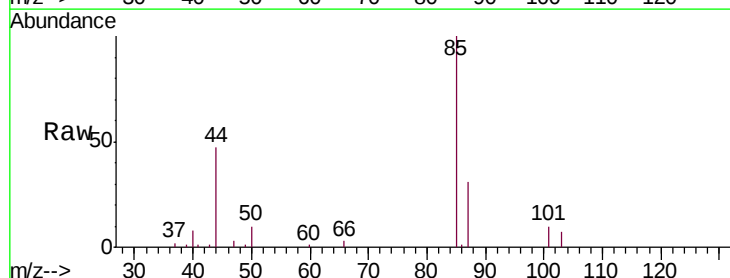
Acq: 06 Mar 2019 09:26

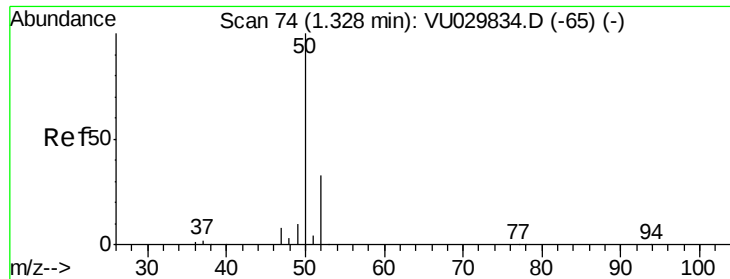
Tgt Ion: 85 Resp: 11036

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6





#3

Chloromethane

Concen: 0.564 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

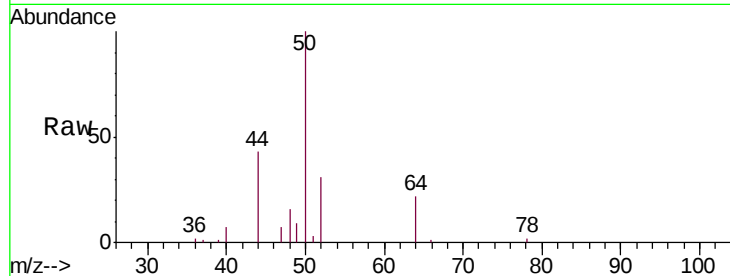
VSTDIC0.5

Tgt Ion: 50 Resp: 10701

Ion Ratio Lower Upper

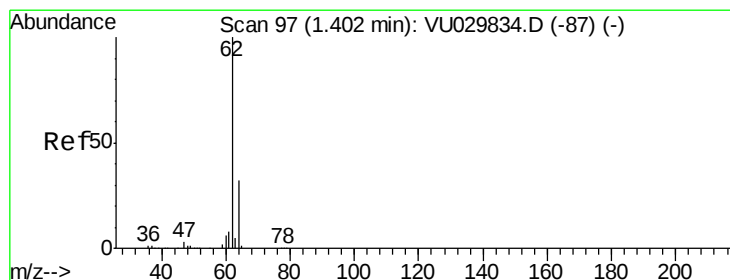
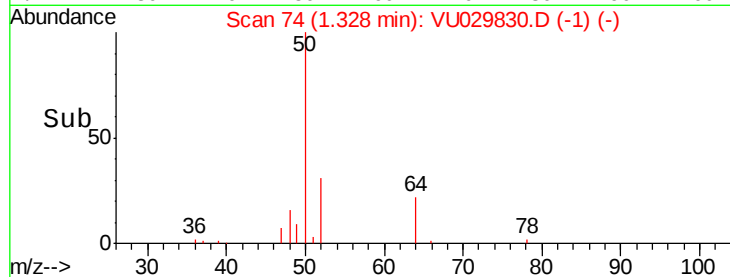
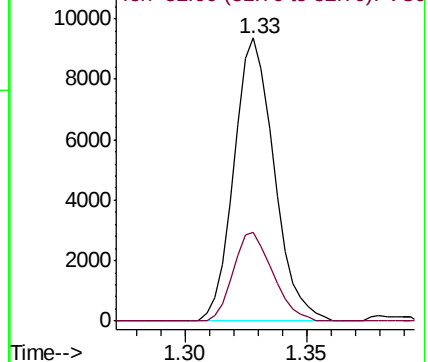
50 100

52 31.3 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.523 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029830.D

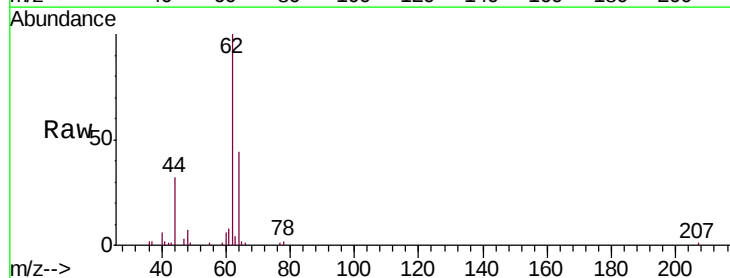
Acq: 06 Mar 2019 09:26

Tgt Ion: 62 Resp: 11170

Ion Ratio Lower Upper

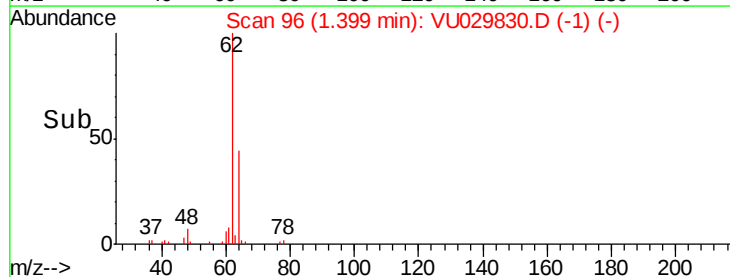
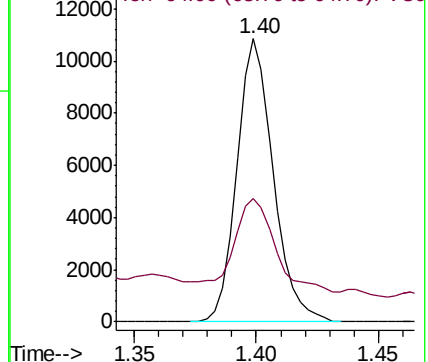
62 100

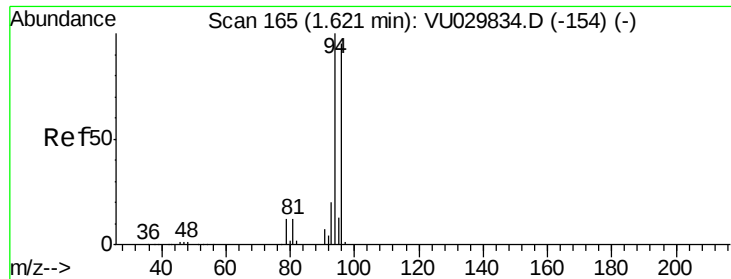
64 33.4 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.591 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

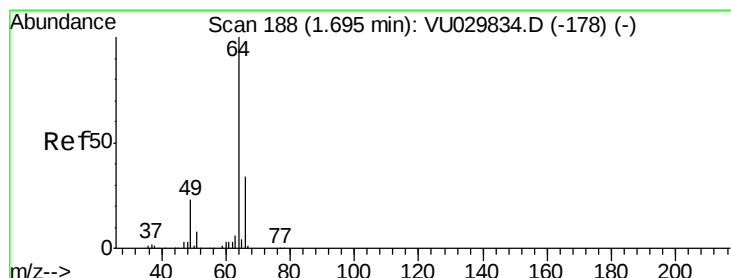
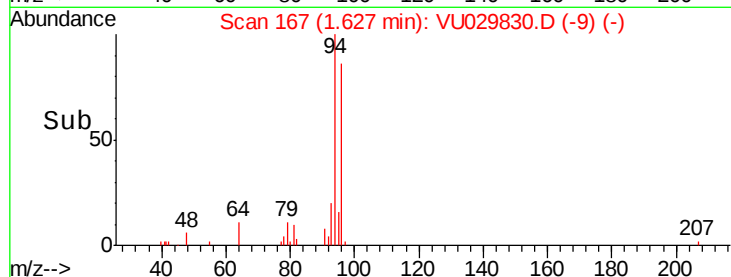
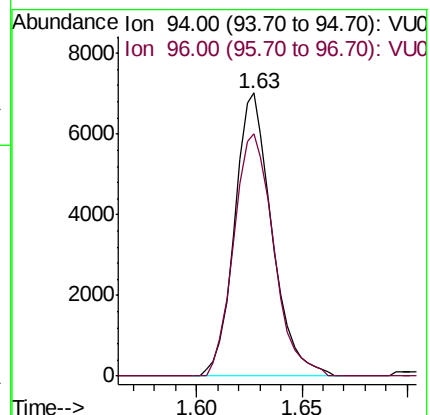
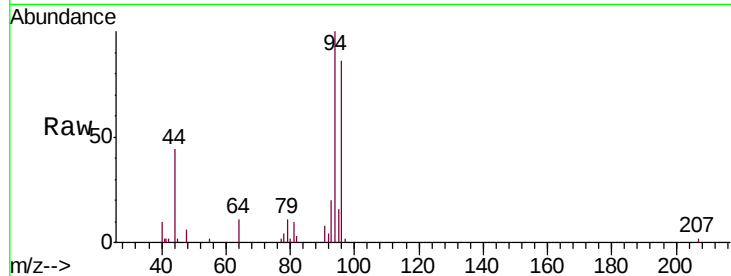
VSTDIC0.5

Tgt Ion: 94 Resp: 8612

Ion Ratio Lower Upper

94 100

96 85.7 76.4 114.6



#6

Chloroethane

Concen: 0.550 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029830.D

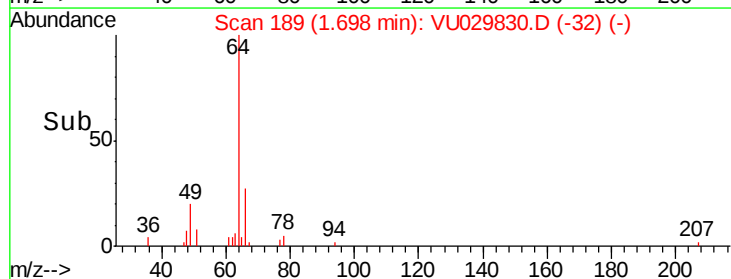
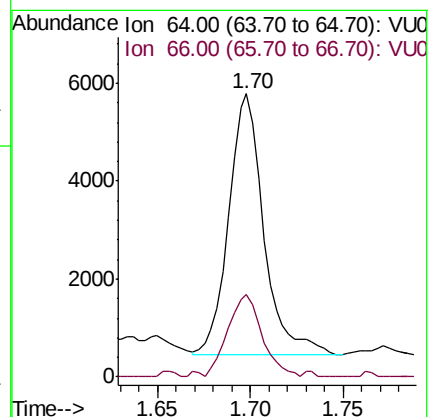
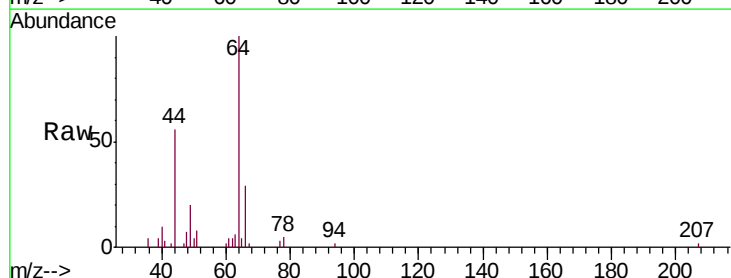
Acq: 06 Mar 2019 09:26

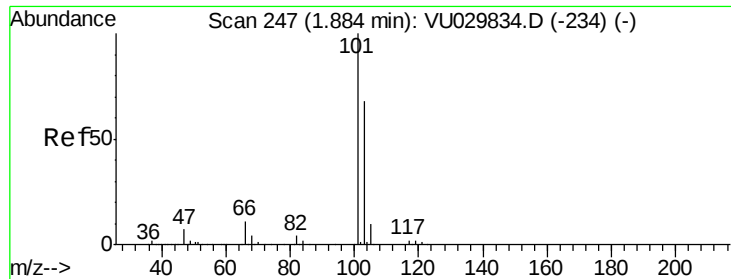
Tgt Ion: 64 Resp: 7037

Ion Ratio Lower Upper

64 100

66 31.7 27.3 40.9



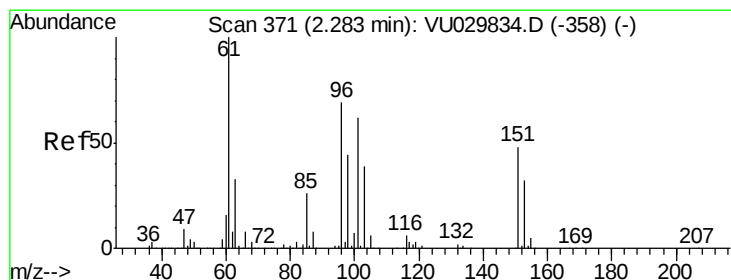
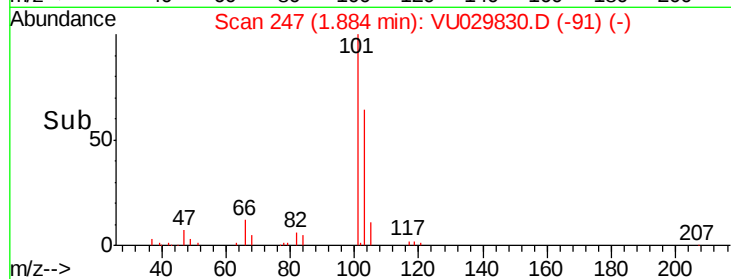
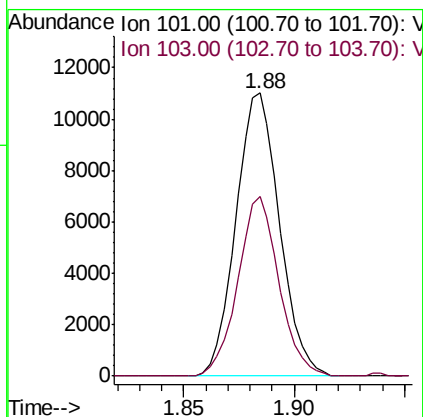
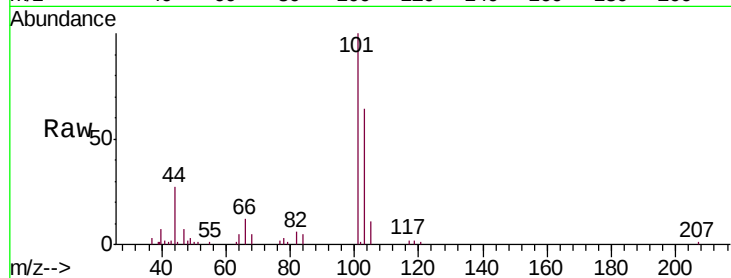


#7

Trichlorofluoromethane
 Concen: 0.519 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029830.D
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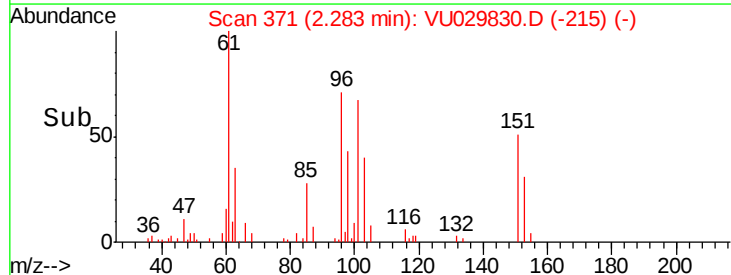
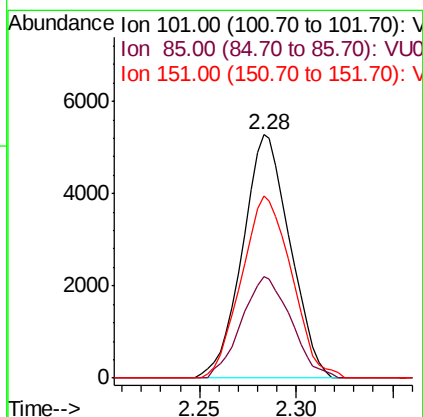
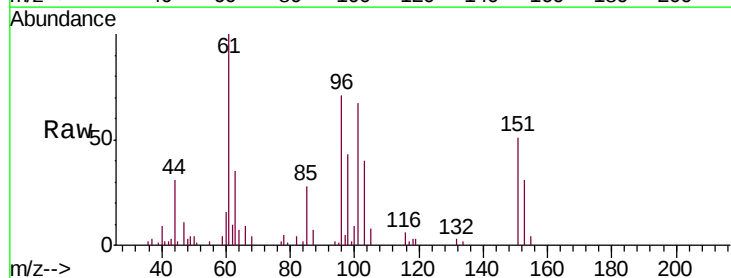
Tgt Ion:101 Resp: 15114
 Ion Ratio Lower Upper
 101 100
 103 63.5 54.2 81.2

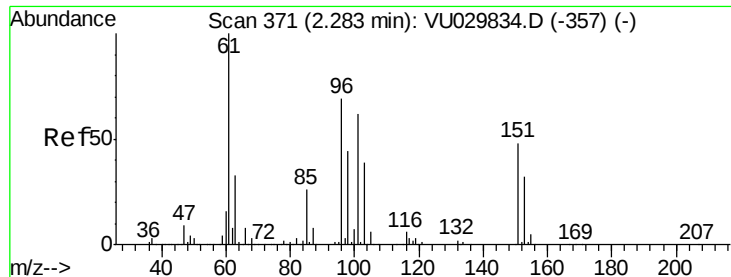


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.532 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion:101 Resp: 9007
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.4 50.0
 151 78.9 64.6 97.0





#9

1,1-Dichloroethene

Concen: 0.527 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

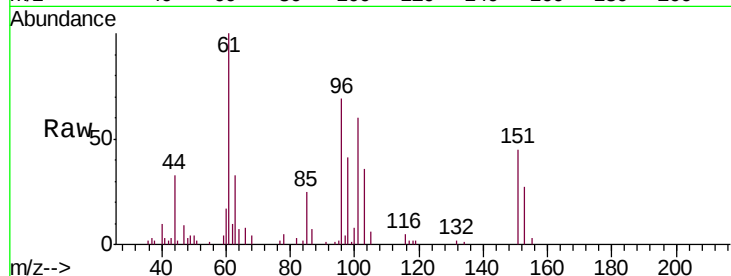
Tgt Ion: 96 Resp: 8731

Ion Ratio Lower Upper

96 100

61 144.3 0.0 435.3

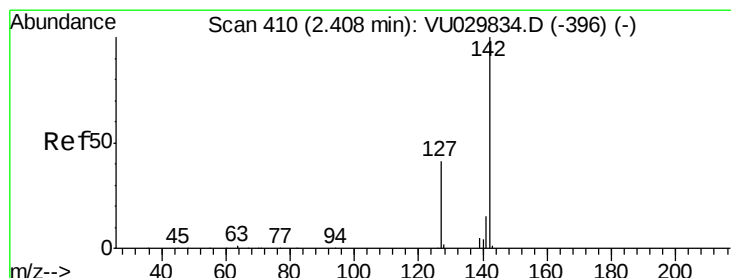
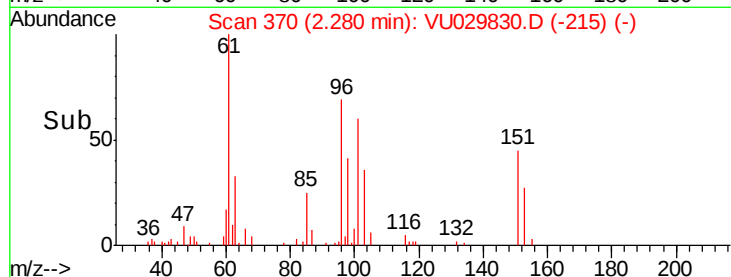
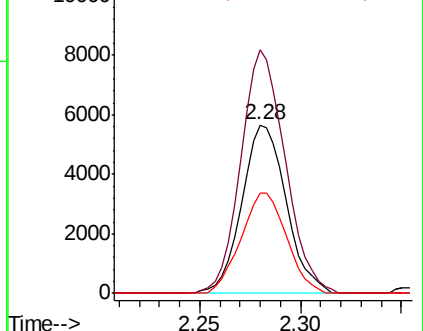
98 59.4 0.0 128.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 0.334 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029830.D

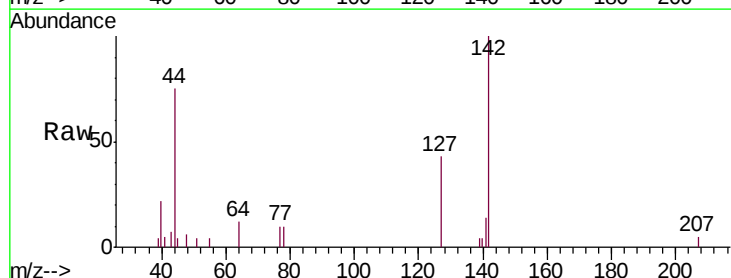
Acq: 06 Mar 2019 09:26

Tgt Ion:142 Resp: 4791

Ion Ratio Lower Upper

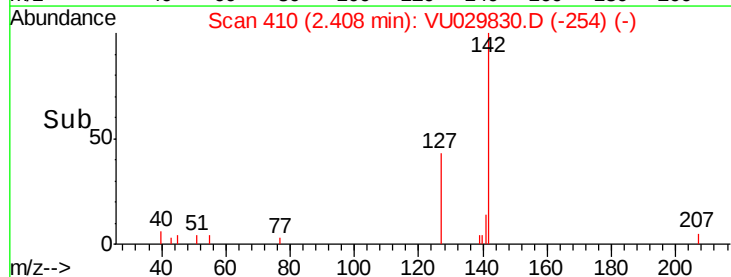
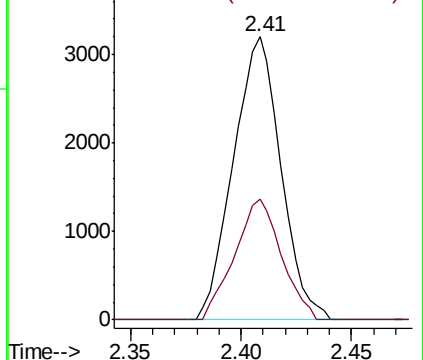
142 100

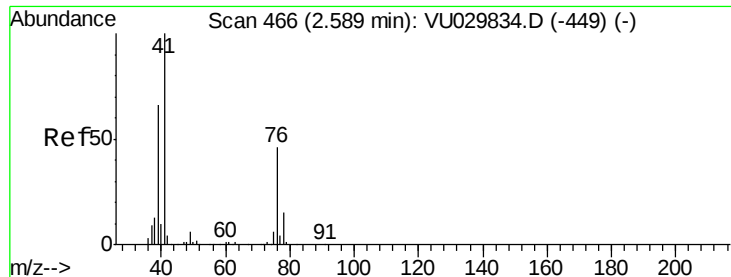
127 42.0 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

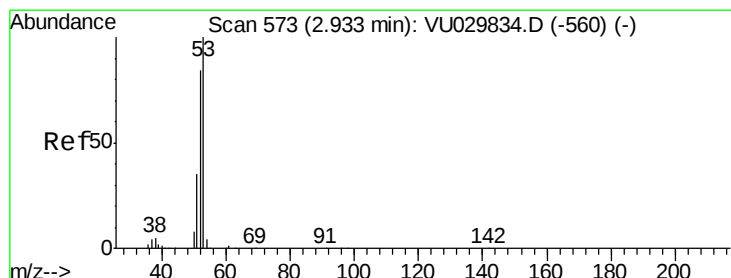
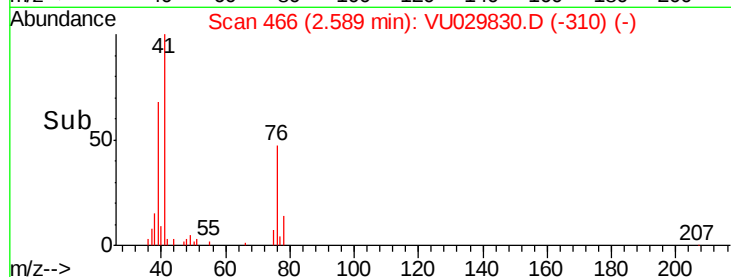
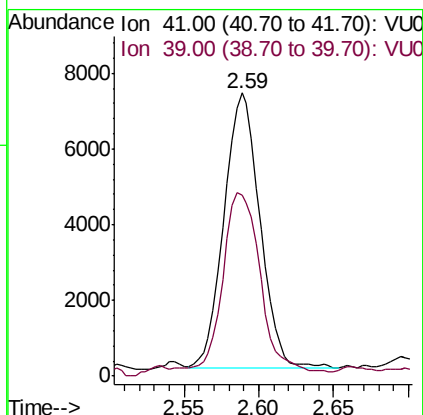
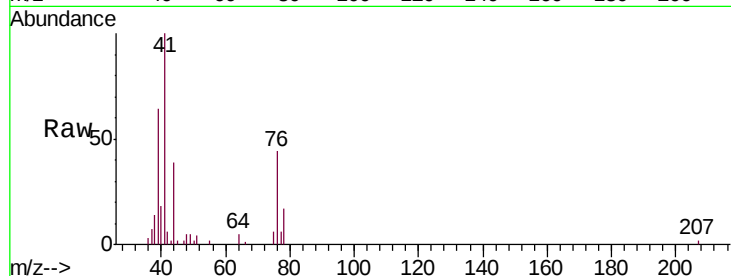




#11
 Allyl Chloride
 Concen: 0.525 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

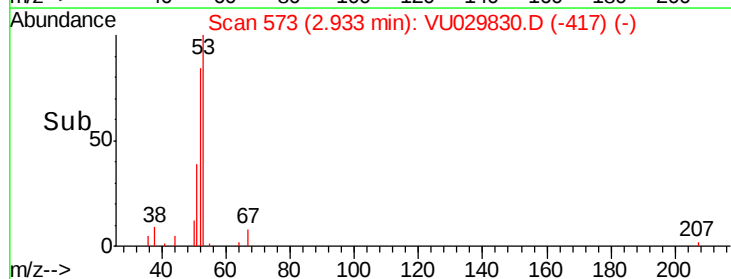
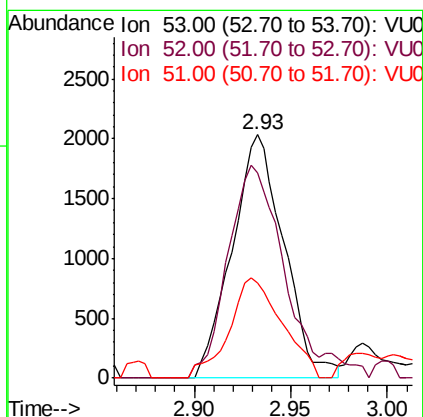
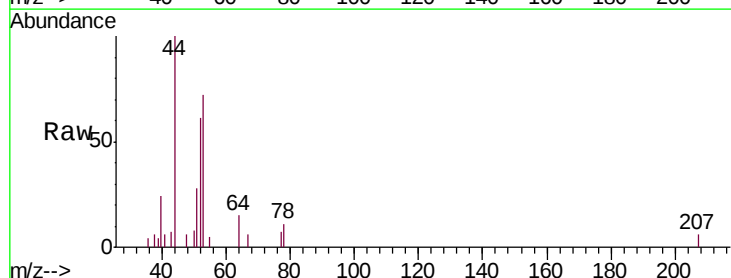
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

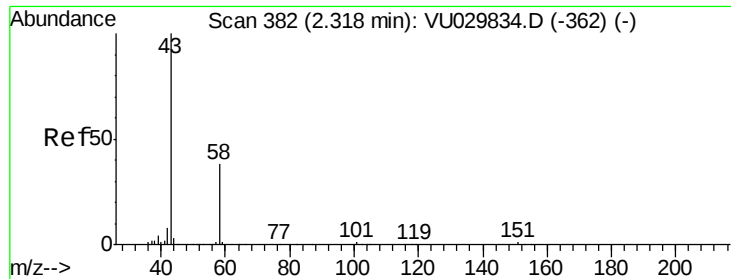
Tgt Ion: 41 Resp: 12225
 Ion Ratio Lower Upper
 41 100
 39 68.6 51.6 77.4



#12
 Acrylonitrile
 Concen: 1.046 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 53 Resp: 3780
 Ion Ratio Lower Upper
 53 100
 52 91.6 66.5 99.7
 51 41.9 28.6 42.8





#13

Acetone

Concen: 2.976 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

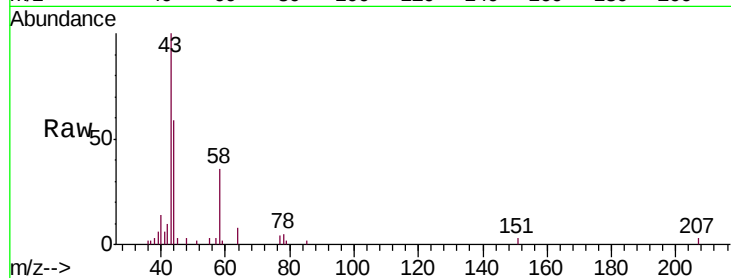
VSTDIC0.5

Tgt Ion: 43 Resp: 8904

Ion Ratio Lower Upper

43 100

58 36.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU029834.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU029834.D (-362) (-)

2.32

6000

5000

4000

3000

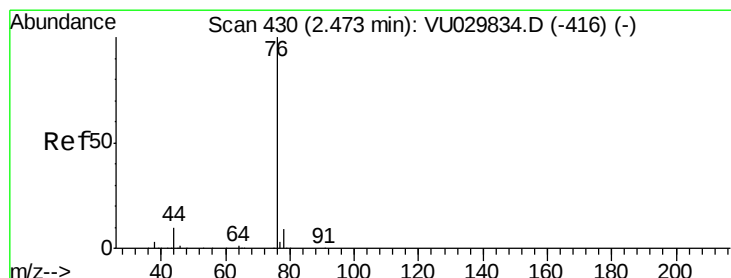
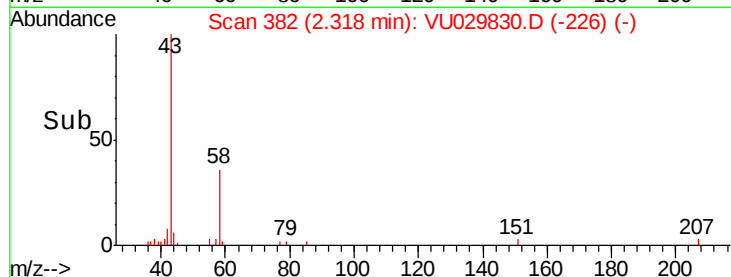
2000

1000

0

Time-->

2.25 2.30 2.35



#14

Carbon Disulfide

Concen: 0.524 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029830.D

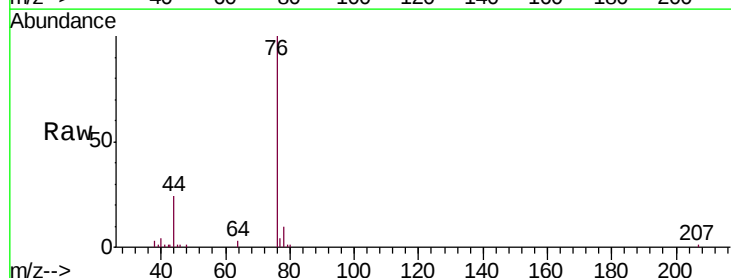
Acq: 06 Mar 2019 09:26

Tgt Ion: 76 Resp: 28096

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU029834.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU029834.D (-416) (-)

2.47

20000

15000

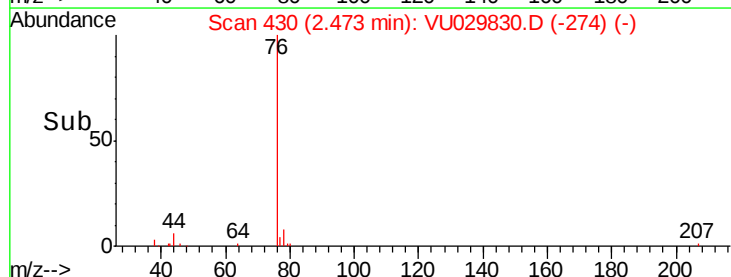
10000

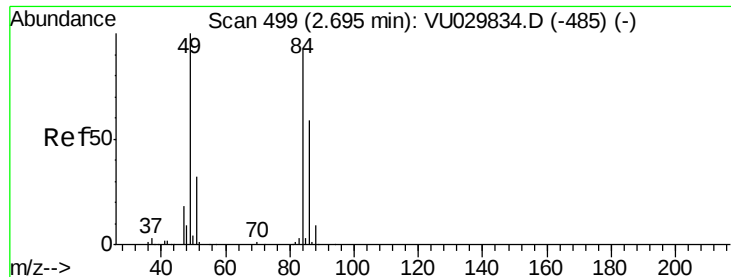
5000

0

Time-->

2.40 2.45 2.50 2.55

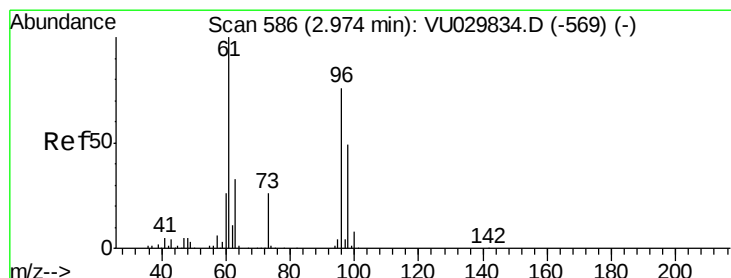
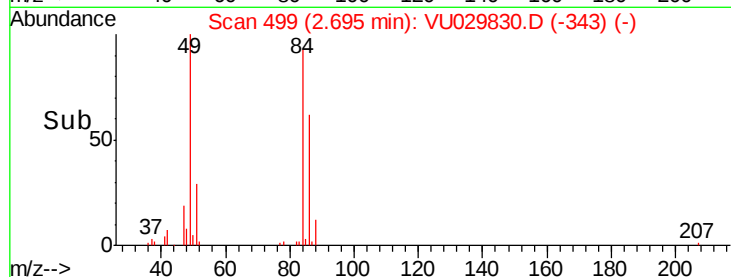
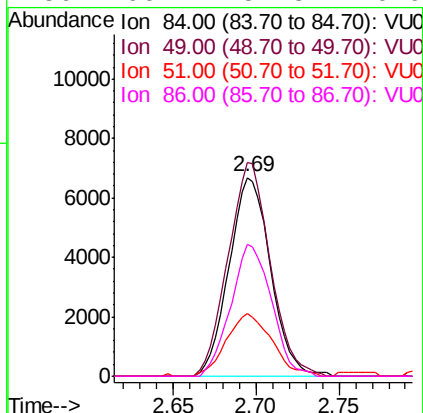
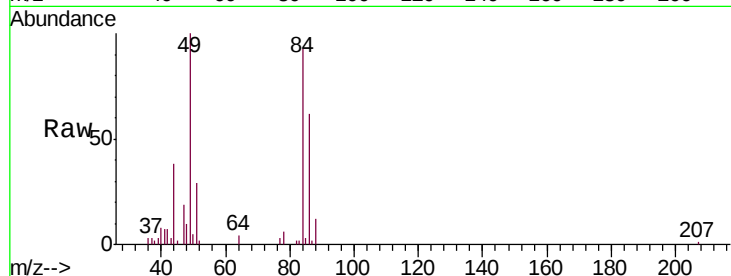




#15
Methylene Chloride
Concen: 0.586 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

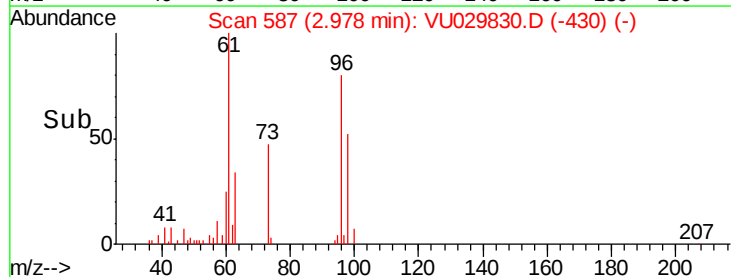
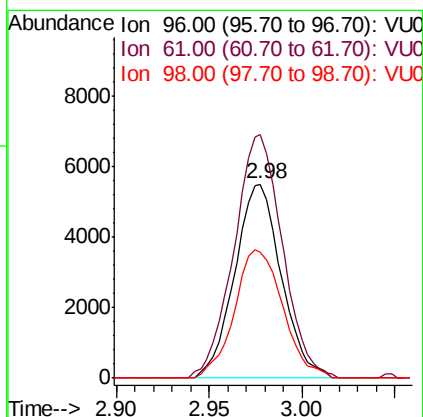
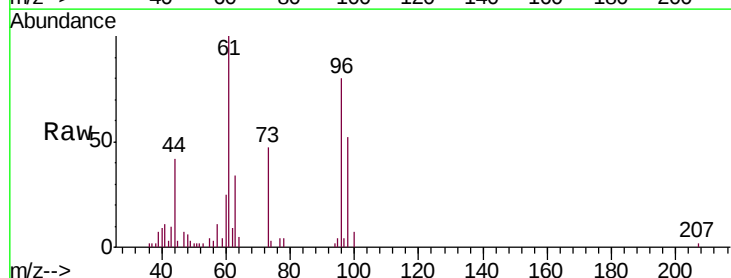
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

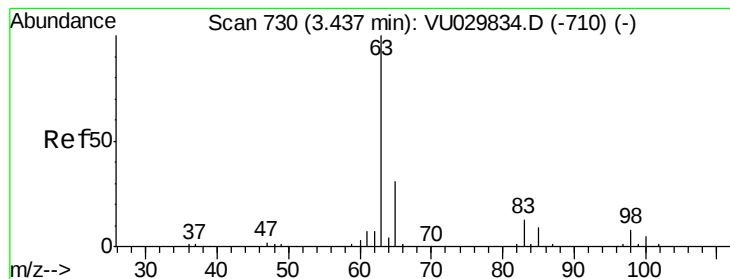
Tgt Ion:	84	Resp:	11647
Ion	Ratio	Lower	Upper
84	100		
49	107.6	87.2	130.8
51	31.3	0.0	69.0
86	66.4	51.3	76.9



#16
trans-1,2-Dichloroethene
Concen: 0.514 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:	96	Resp:	9622
Ion	Ratio	Lower	Upper
96	100		
61	125.4	104.7	157.1
98	65.1	50.9	76.3





#17

1,1-Dichloroethane

Concen: 0.529 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

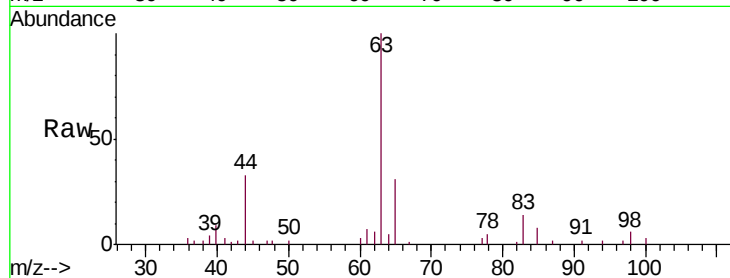
Tgt Ion: 63 Resp: 16578

Ion Ratio Lower Upper

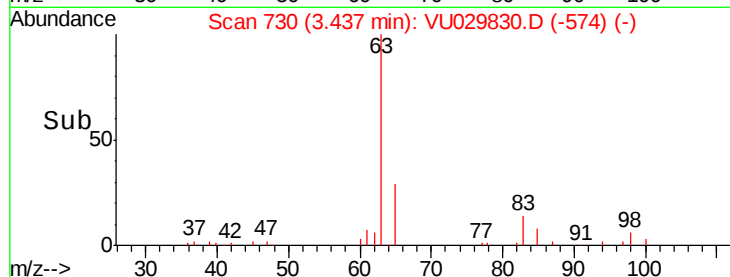
63 100

98 6.2 3.8 11.4

100 2.9 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU029830.D (-574) (-)

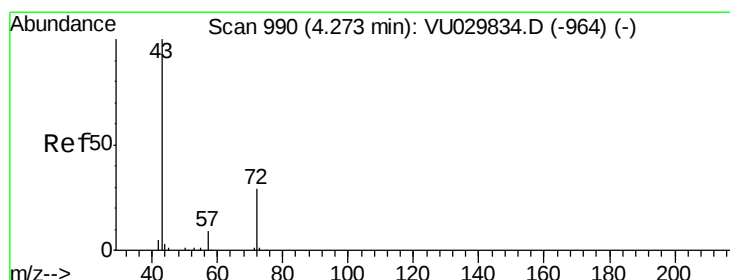


Ion 98.00 (97.70 to 98.70): VU029830.D (-574) (-)

Ion 100.00 (99.70 to 100.70): VU029830.D (-574) (-)

Time-->

3.35 3.40 3.45 3.50



#18

2-Butanone

Concen: 2.401 ug/l

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VU029830.D

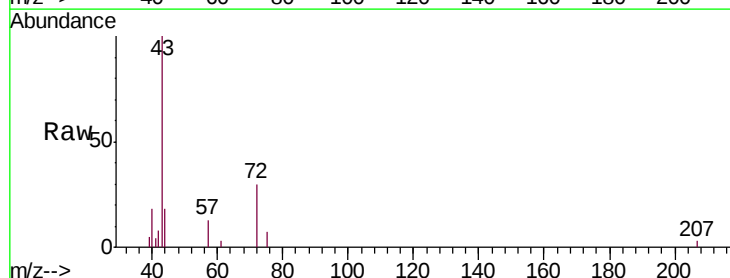
Acq: 06 Mar 2019 09:26

Tgt Ion: 43 Resp: 9762

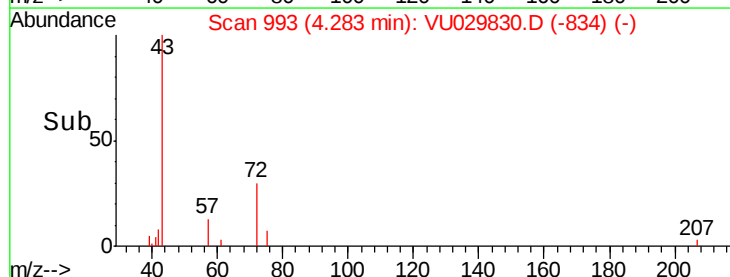
Ion Ratio Lower Upper

43 100

57 13.2 0.0 18.6



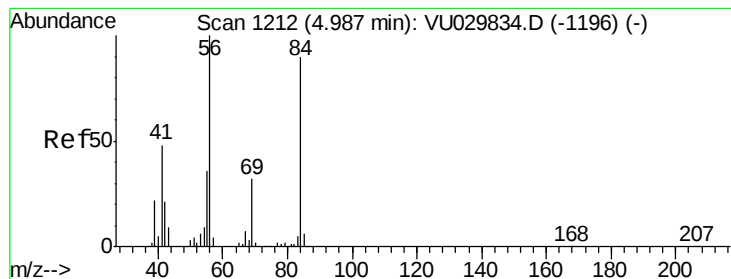
Abundance Ion 43.00 (42.70 to 43.70): VU029830.D (-834) (-)



Ion 57.00 (56.70 to 57.70): VU029830.D (-834) (-)

Time-->

4.20 4.30 4.40



#19

Cyclohexane

Concen: 0.433 ug/l

RT: 4.98 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

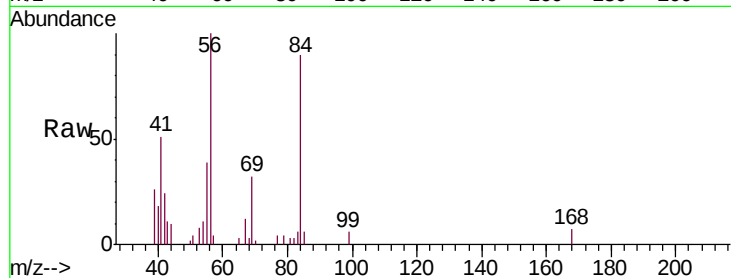
Tgt Ion: 56 Resp: 10287

Ion Ratio Lower Upper

56 100

69 37.5 29.4 44.2

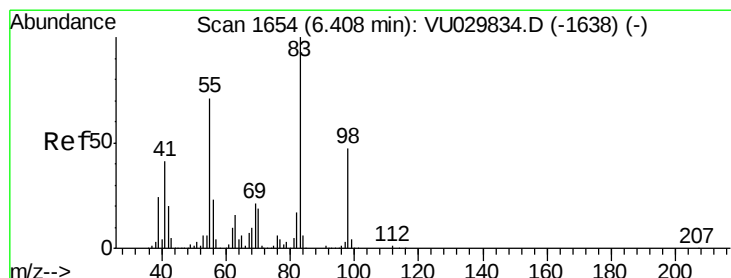
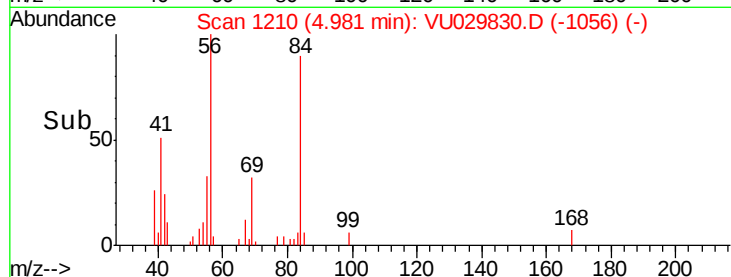
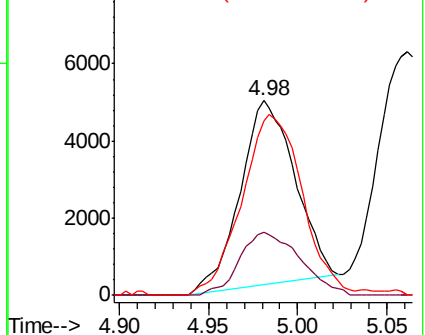
84 104.4 84.6 127.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.478 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

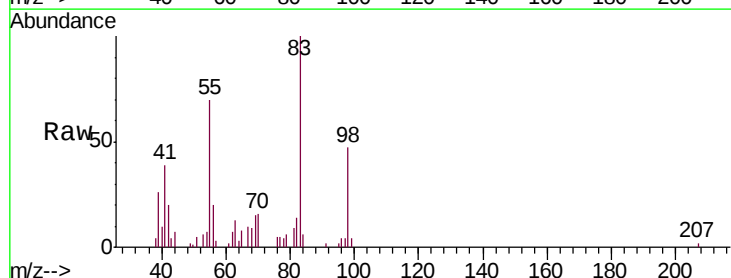
Tgt Ion: 83 Resp: 13549

Ion Ratio Lower Upper

83 100

55 75.2 55.9 83.9

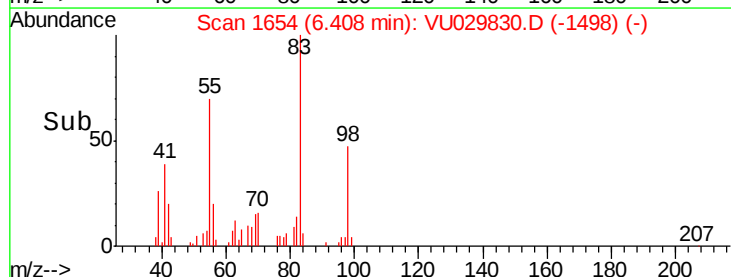
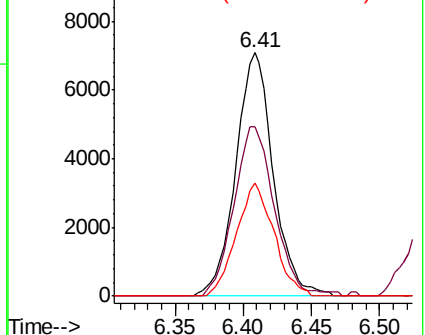
98 46.2 37.0 55.4

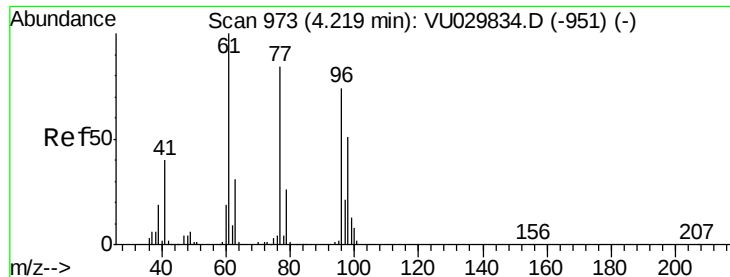


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 0.518 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

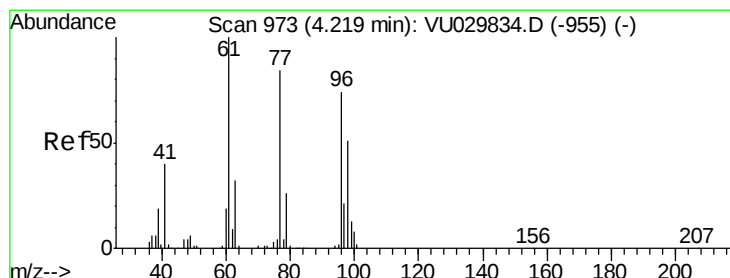
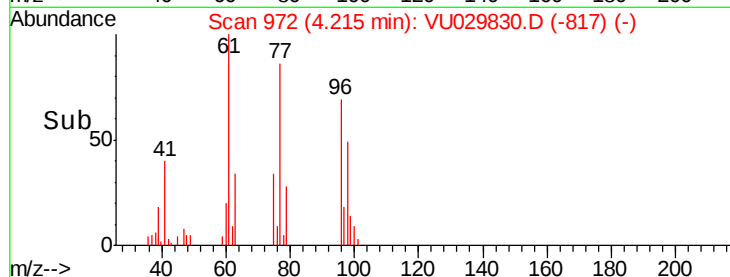
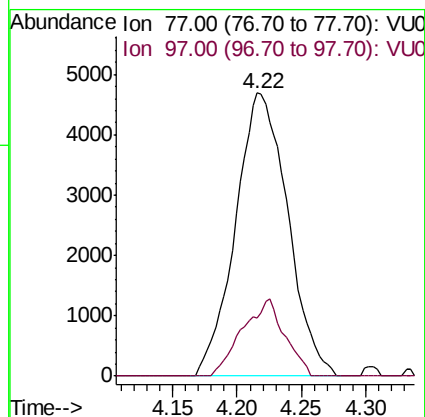
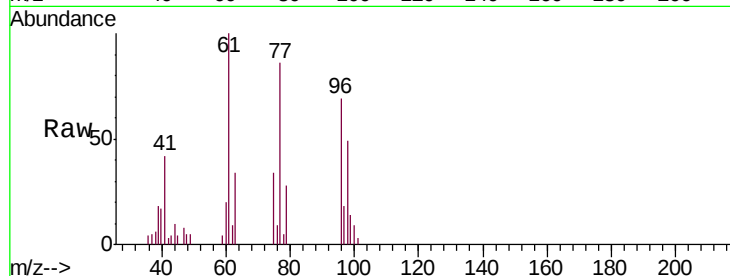
VSTDIC0.5

Tgt Ion: 77 Resp: 13248

Ion Ratio Lower Upper

77 100

97 22.1 20.2 30.2



#22

cis-1,2-Dichloroethene

Concen: 0.518 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

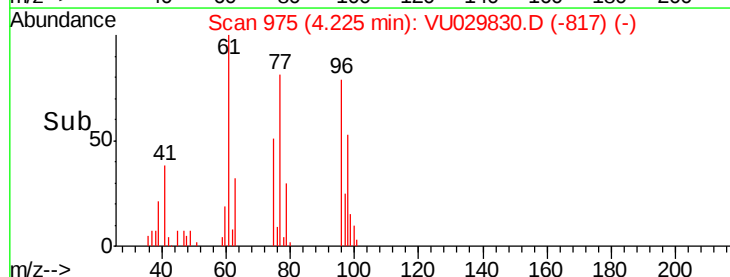
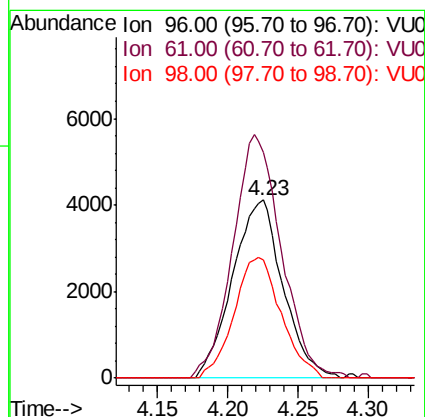
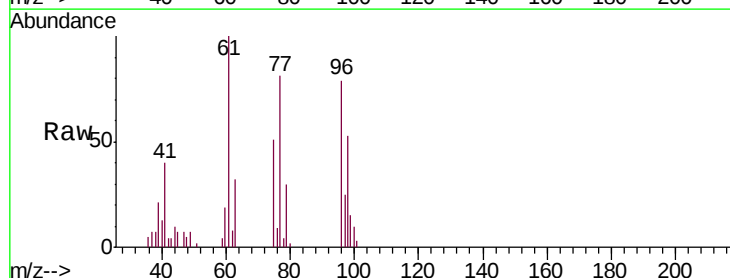
Tgt Ion: 96 Resp: 10277

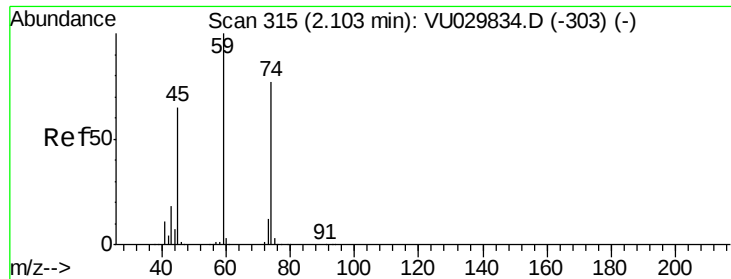
Ion Ratio Lower Upper

96 100

61 132.0 0.0 339.0

98 63.1 33.1 99.5

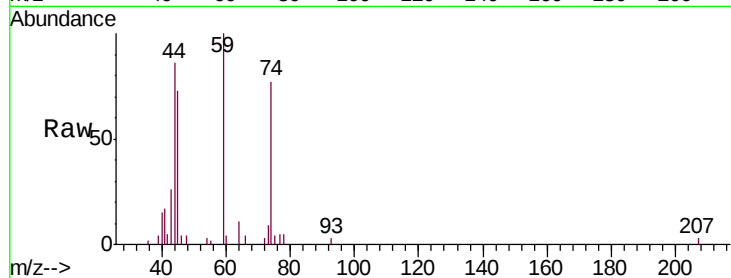




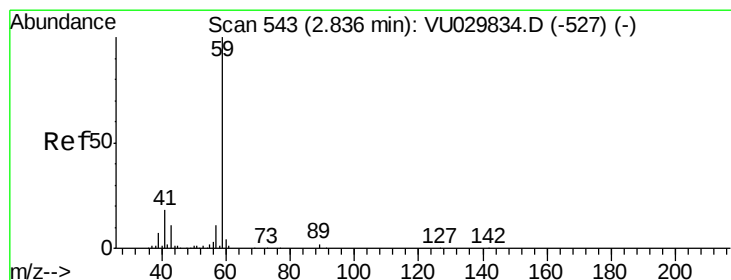
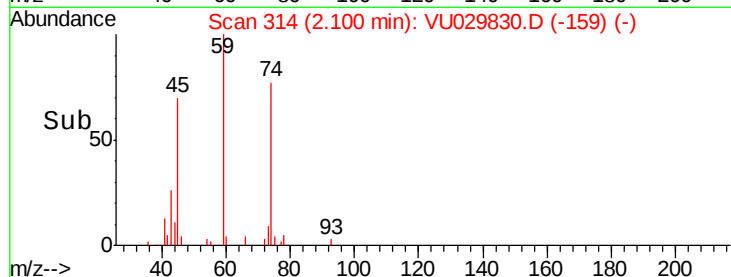
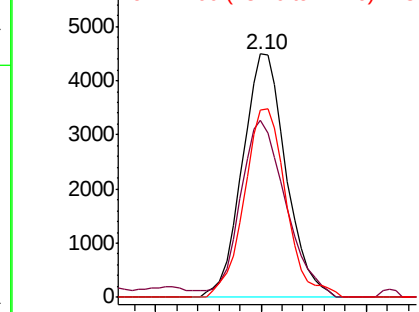
#23
Diethyl Ether
Concen: 0.519 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 6444
Ion Ratio Lower Upper
59 100
45 75.7 52.7 79.1
74 74.5 61.8 92.6

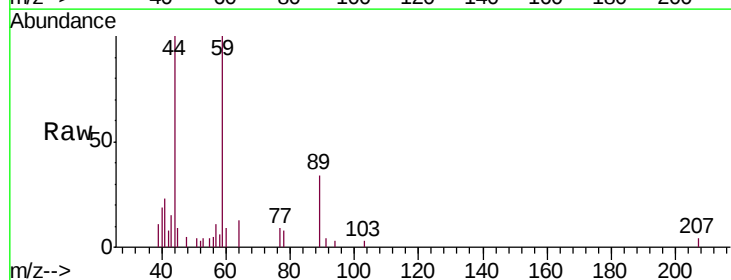


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

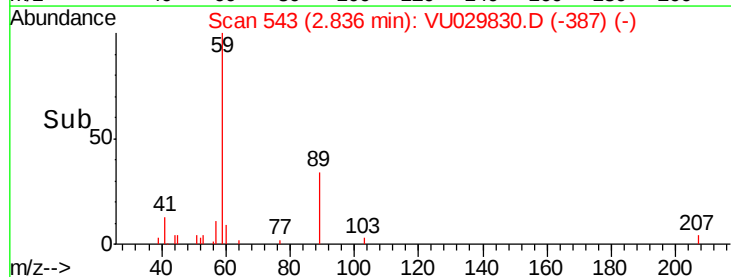
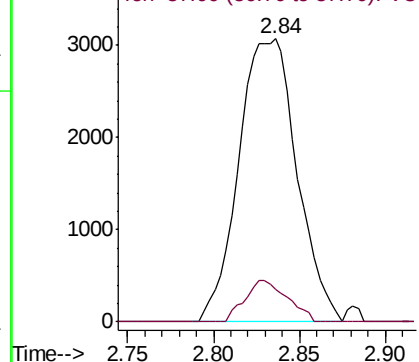


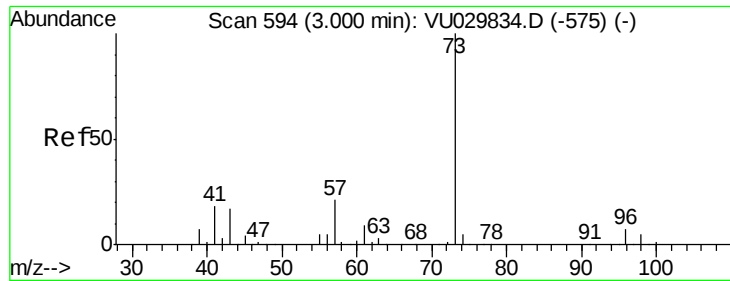
#24
tert-Butyl Alcohol
Concen: 5.637 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 59 Resp: 7223
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



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



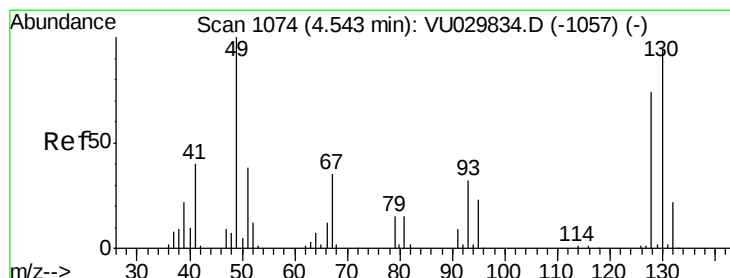
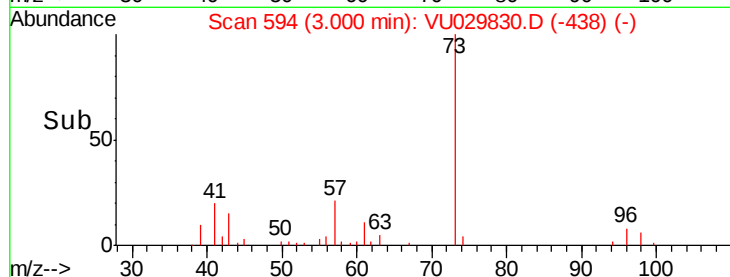
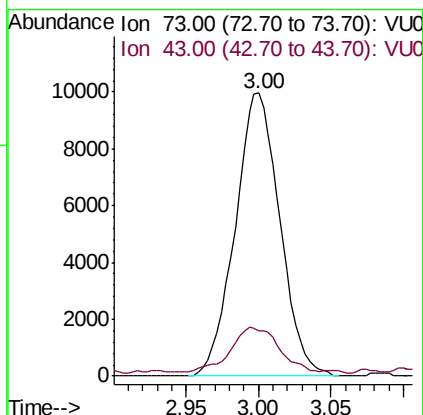
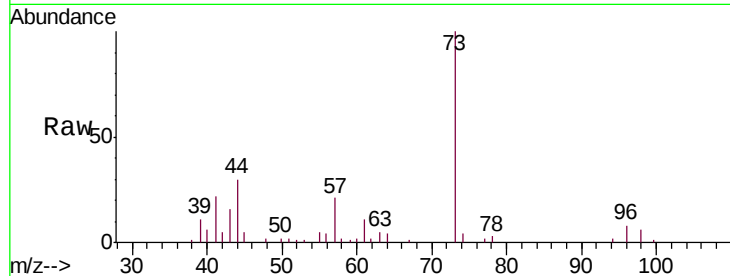


#25

Methyl tert-Butyl Ether
 Concen: 0.511 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

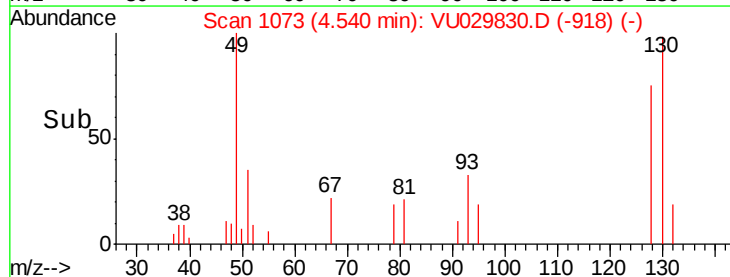
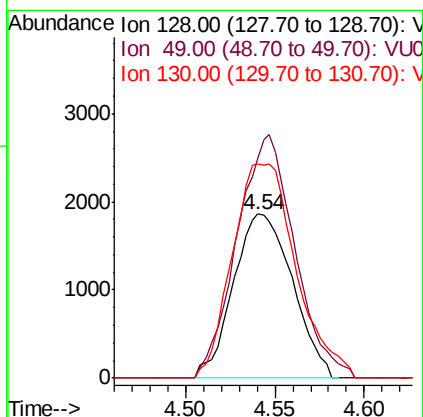
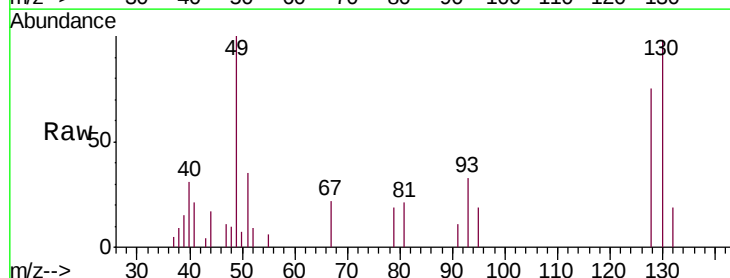
Tgt Ion: 73 Resp: 21310
 Ion Ratio Lower Upper
 73 100
 43 17.2 13.1 19.7

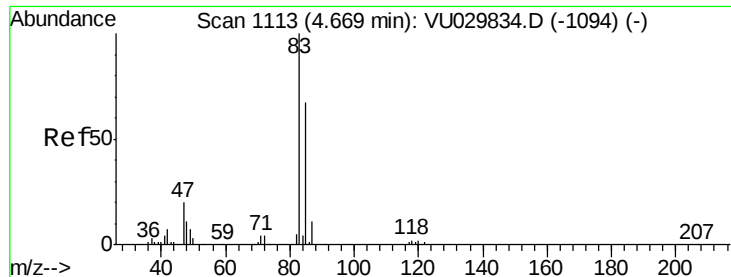


#26

Bromochloromethane
 Concen: 0.489 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 128 Resp: 4305
 Ion Ratio Lower Upper
 128 100
 49 144.9 0.0 270.6
 130 140.1 104.2 156.4





#27

Chloroform

Concen: 0.515 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

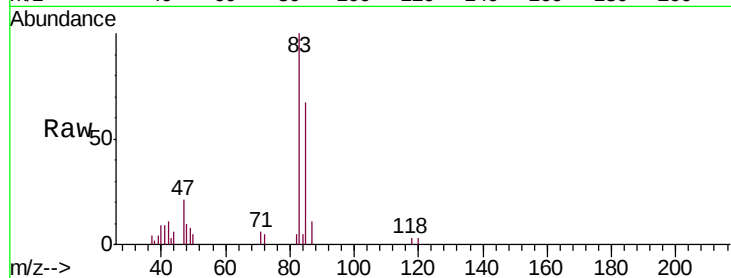
VSTDIC0.5

Tgt Ion: 83 Resp: 16343

Ion Ratio Lower Upper

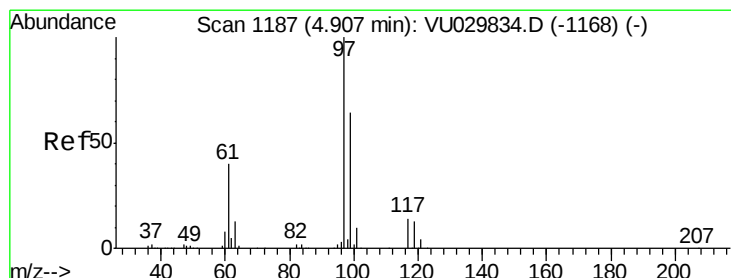
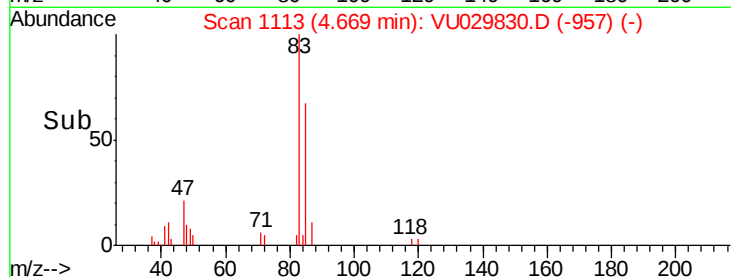
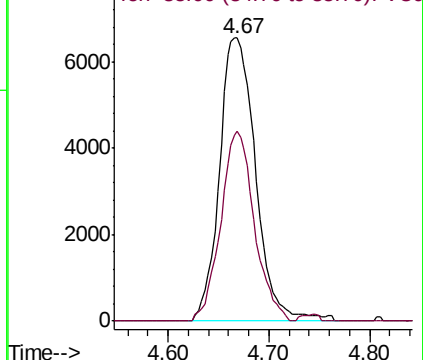
83 100

85 67.1 0.0 133.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.489 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

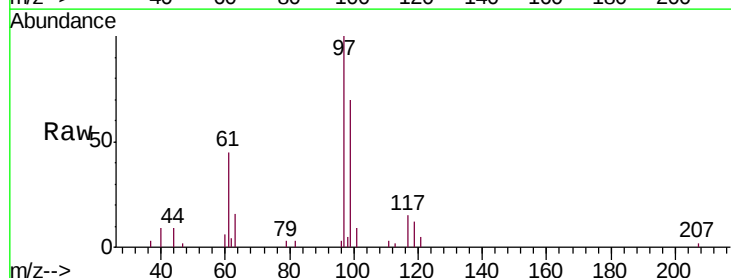
Tgt Ion: 97 Resp: 13145

Ion Ratio Lower Upper

97 100

99 66.2 31.9 95.9

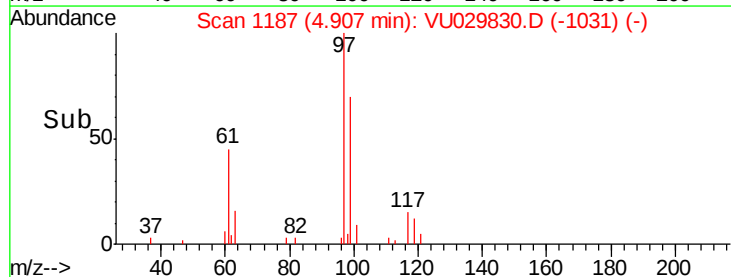
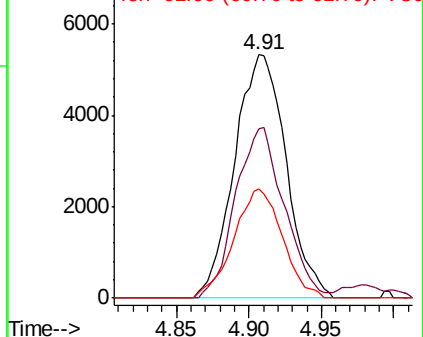
61 42.3 20.4 61.3

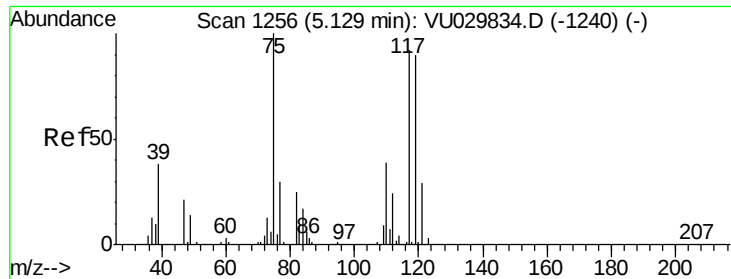


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 0.501 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

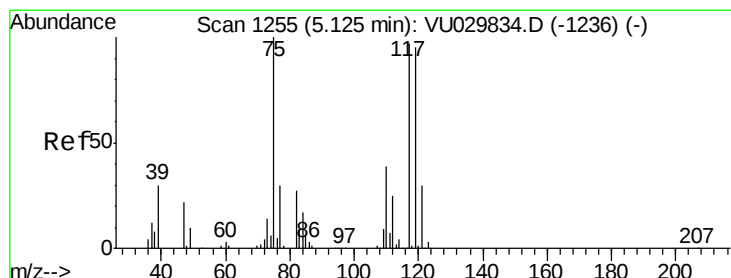
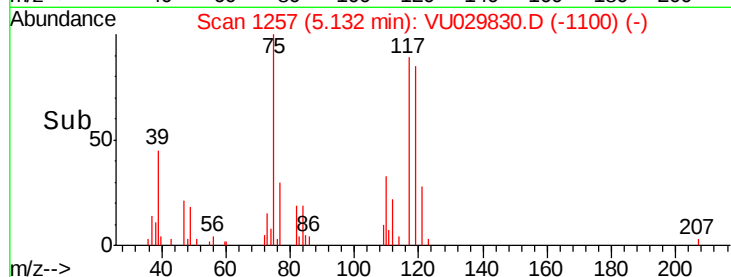
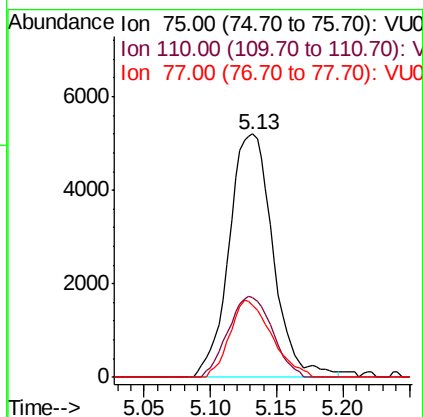
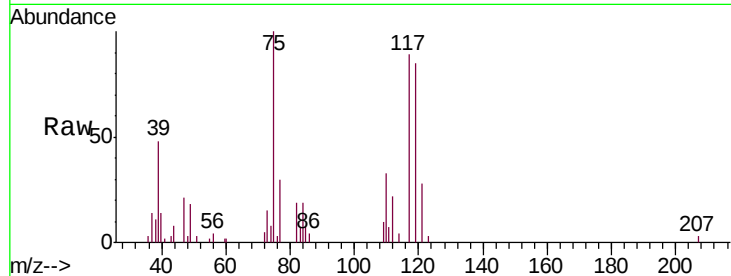
Tgt Ion: 75 Resp: 11977

Ion Ratio Lower Upper

75 100

110 33.3 19.1 57.5

77 30.1 23.9 35.9



#30

Carbon Tetrachloride

Concen: 0.485 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

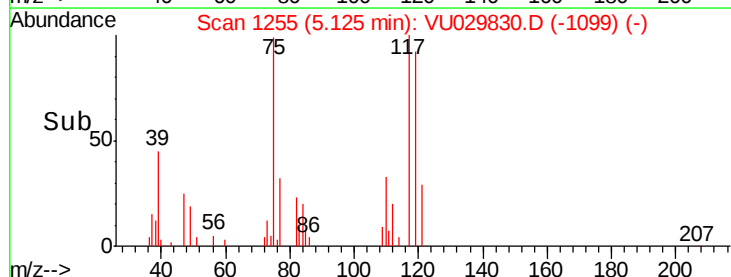
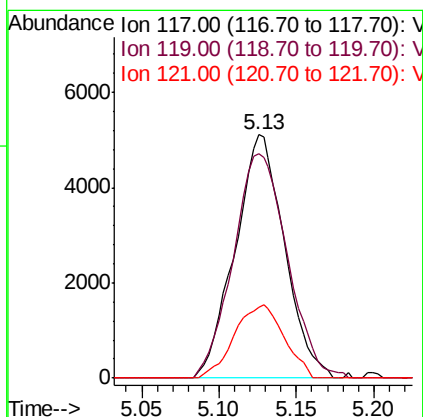
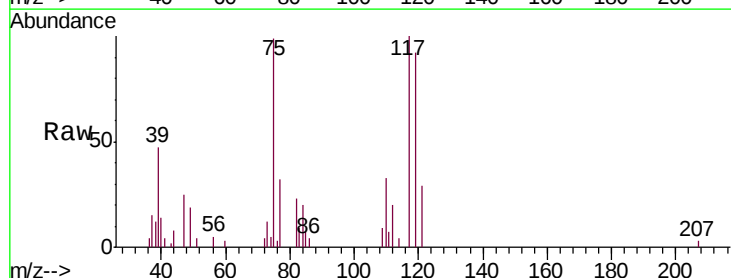
Tgt Ion: 117 Resp: 11383

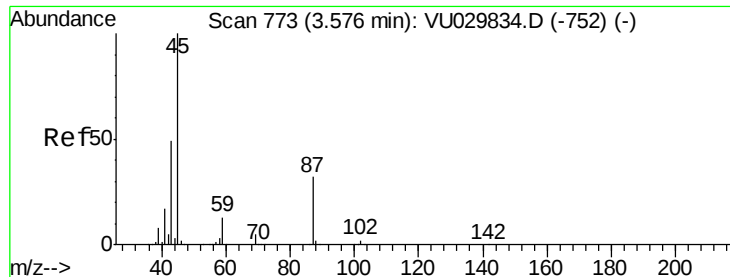
Ion Ratio Lower Upper

117 100

119 92.4 78.4 117.6

121 29.3 25.0 37.4





#31

Isopropyl Ether

Concen: 0.514 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

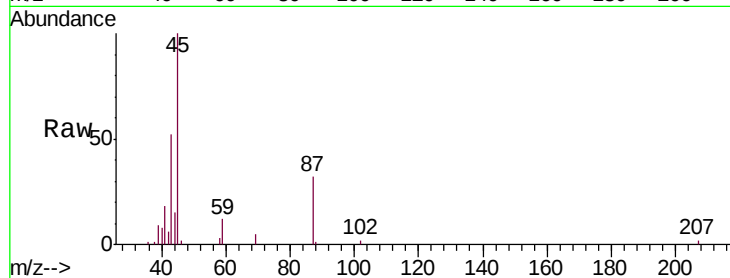
VSTDIC0.5

Tgt Ion: 45 Resp: 22197

Ion Ratio Lower Upper

45 100

43 50.7 24.3 72.9

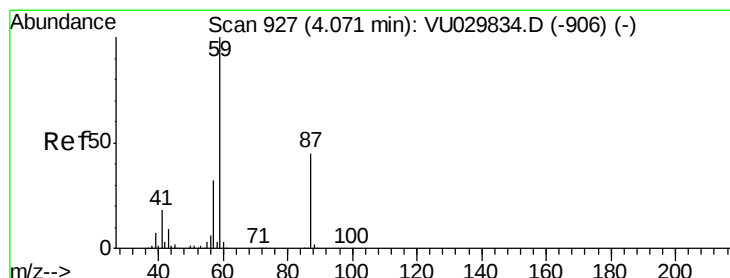
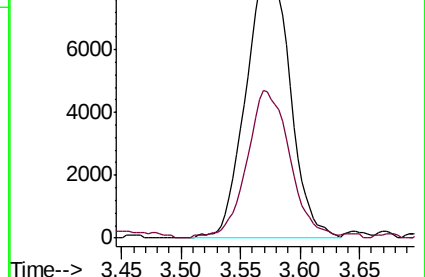
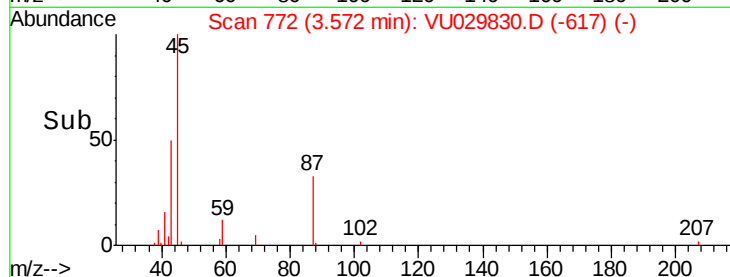


Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)

3.57

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.496 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU029830.D

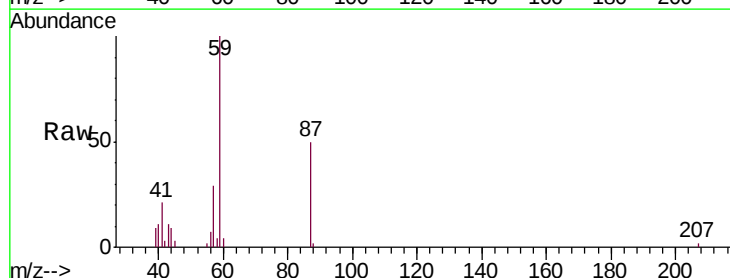
Acq: 06 Mar 2019 09:26

Tgt Ion: 59 Resp: 20812

Ion Ratio Lower Upper

59 100

87 46.1 36.2 54.4

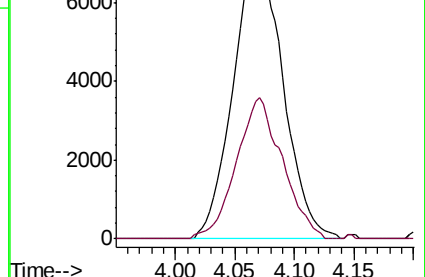
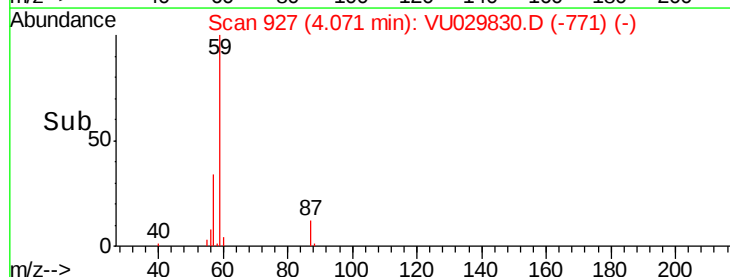


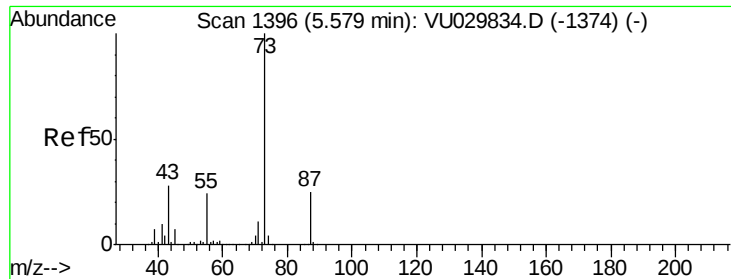
Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

4.07

Time-->

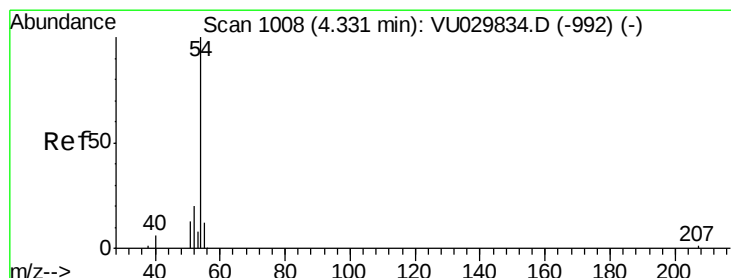
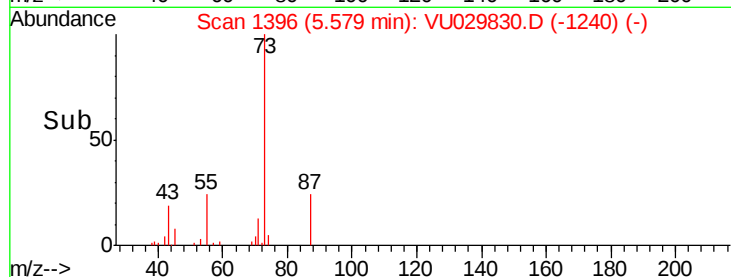
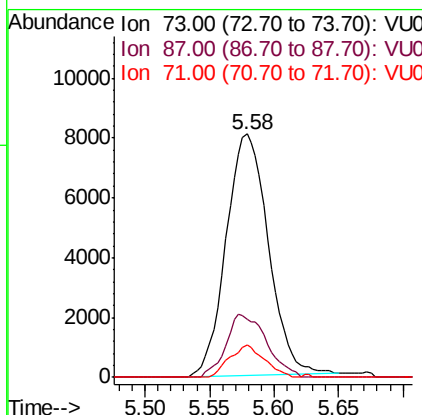
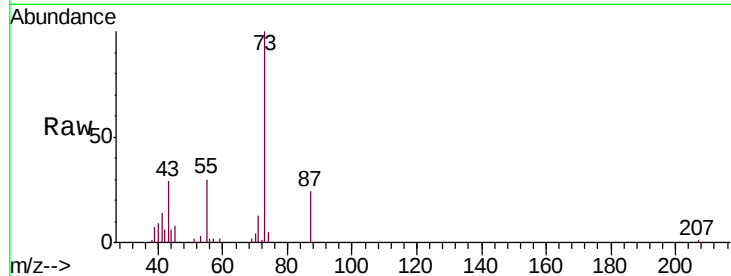




#33
Tert-Amyl methyl ether
Concen: 0.474 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

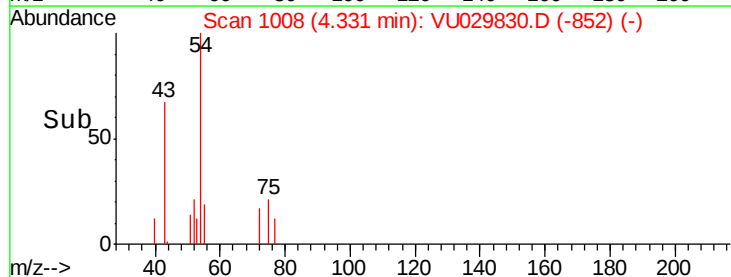
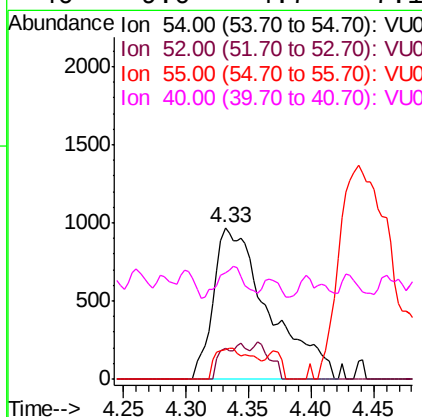
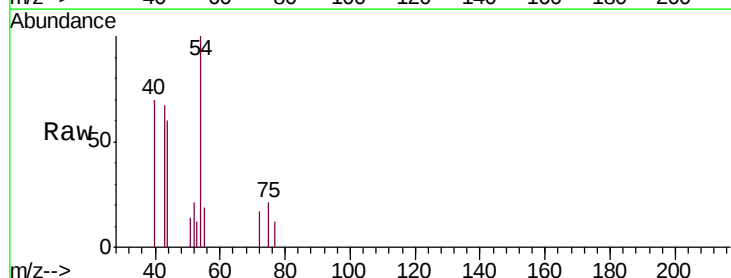
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

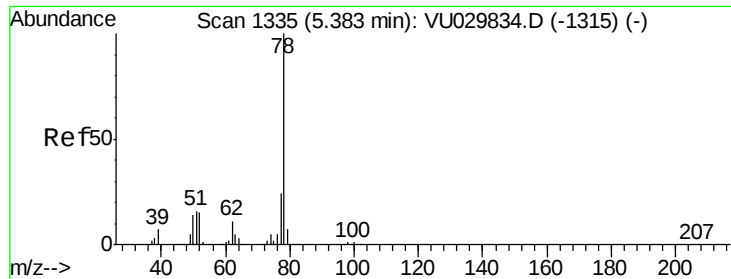
Tgt Ion: 73 Resp: 18407
Ion Ratio Lower Upper
73 100
87 24.8 19.7 29.5
71 11.0 9.4 14.2



#34
Propionitrile
Concen: 2.446 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 54 Resp: 2959
Ion Ratio Lower Upper
54 100
52 4.6 16.1 24.1#
55 13.5 11.2 16.8
40 9.0 4.7 7.1#





#35

Benzene

Concen: 0.496 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

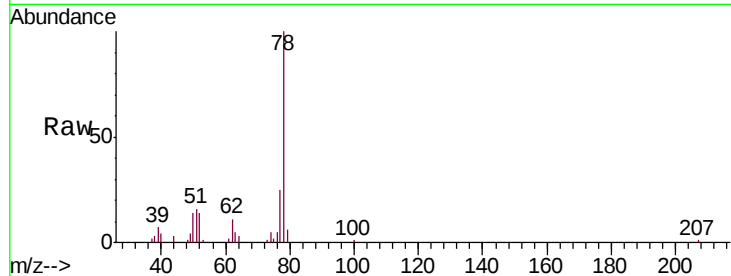
VSTDIC0.5

Tgt Ion: 78 Resp: 34893

Ion Ratio Lower Upper

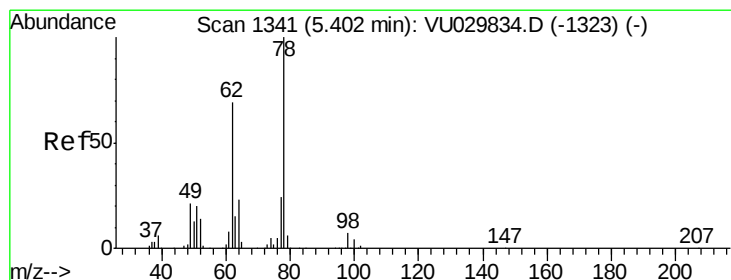
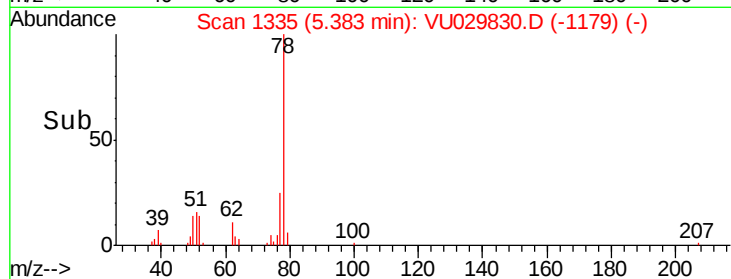
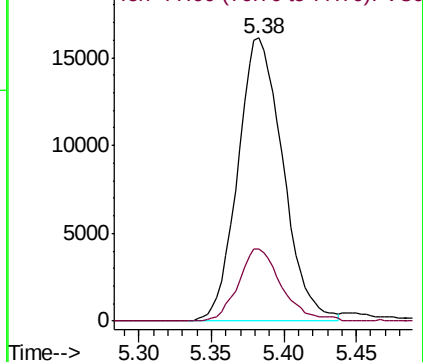
78 100

77 25.4 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.515 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029830.D

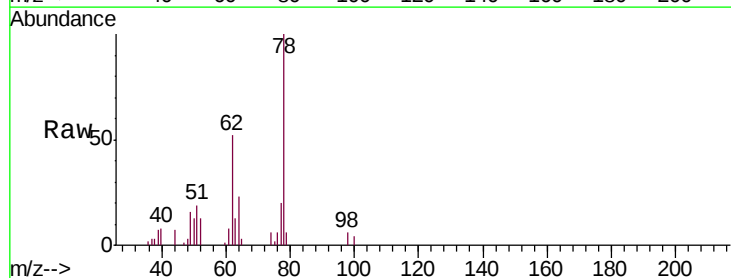
Acq: 06 Mar 2019 09:26

Tgt Ion: 62 Resp: 9896

Ion Ratio Lower Upper

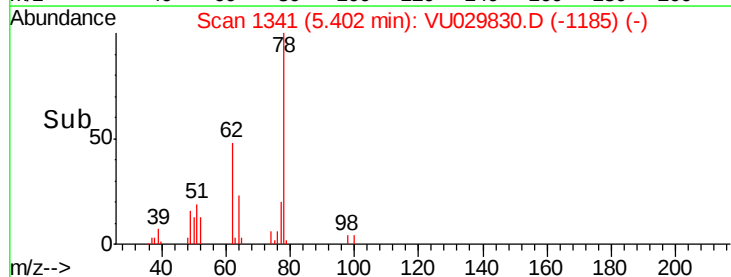
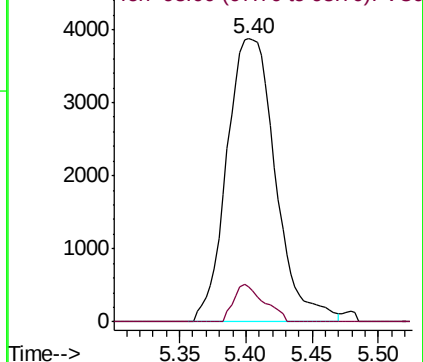
62 100

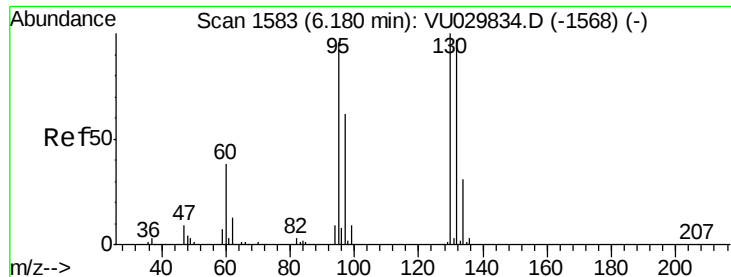
98 8.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.518 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

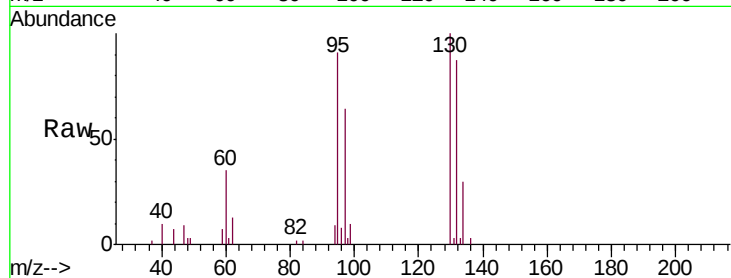
VSTDIC0.5

Tgt Ion: 130 Resp: 10638

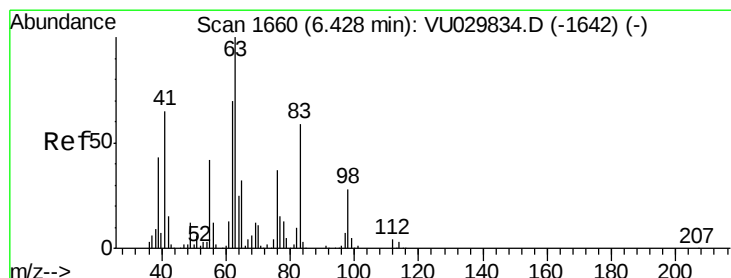
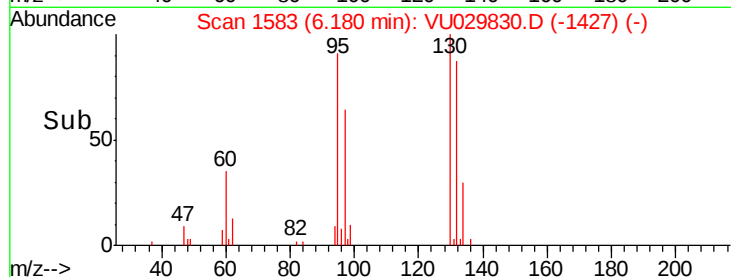
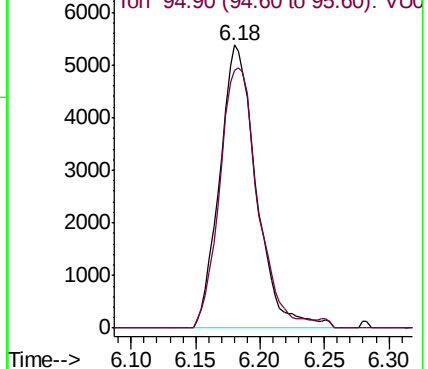
Ion Ratio Lower Upper

130 100

95 91.2 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029830.D

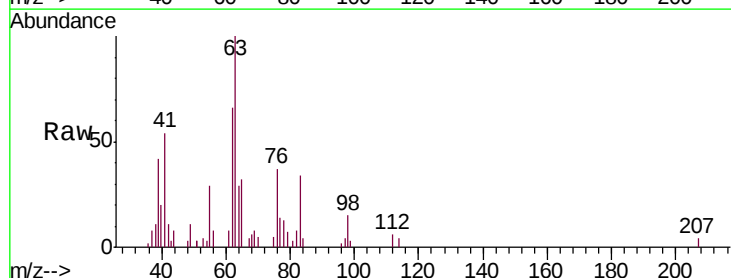
Acq: 06 Mar 2019 09:26

Tgt Ion: 63 Resp: 8917

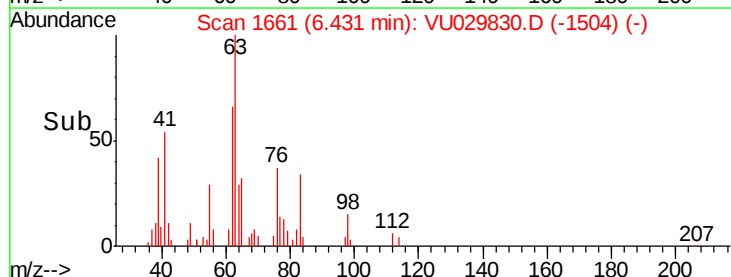
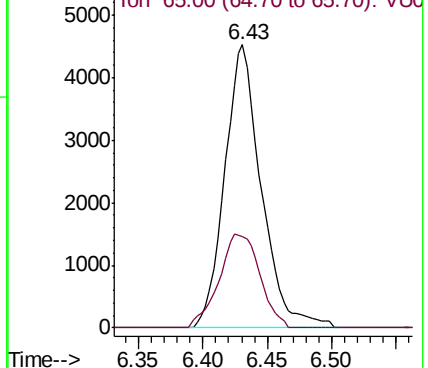
Ion Ratio Lower Upper

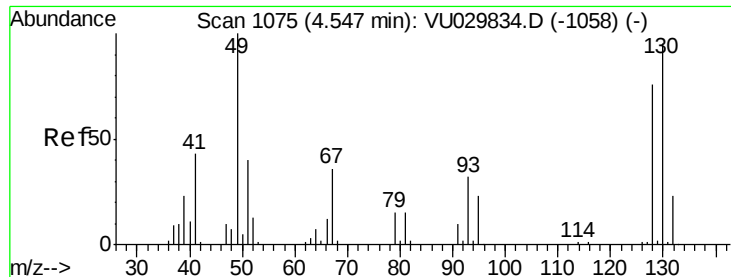
63 100

65 32.4 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

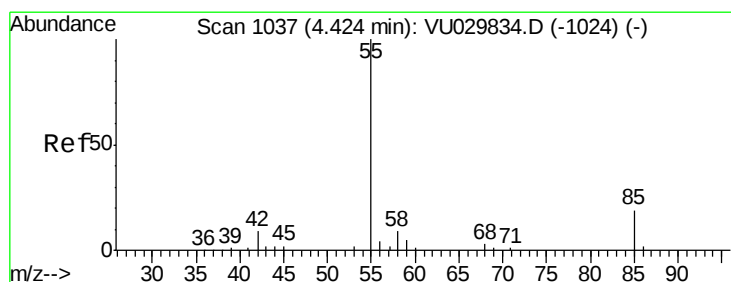
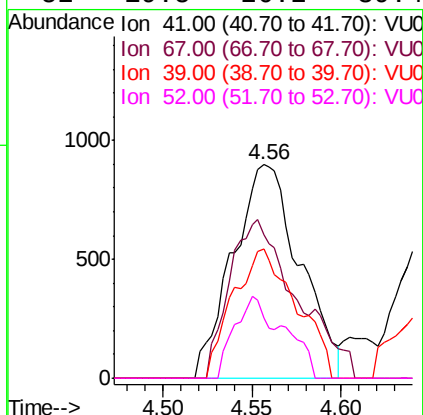
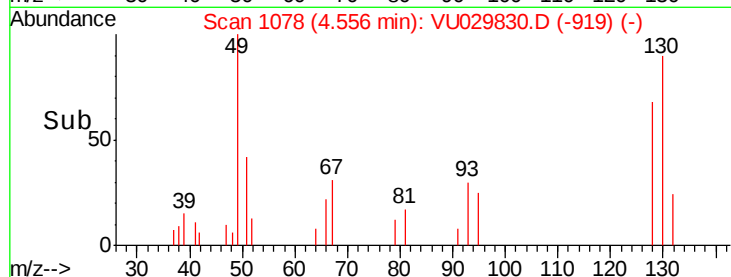
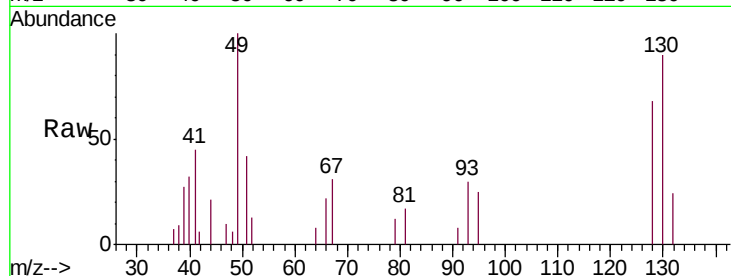




#39
Methacrylonitrile
Concen: 0.463 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

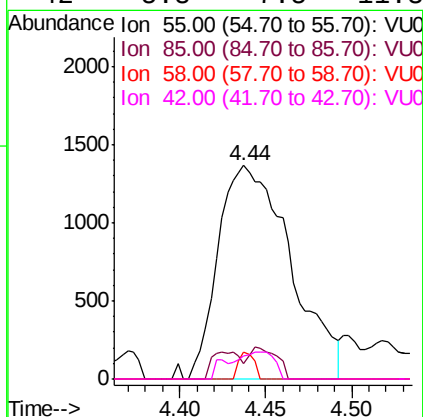
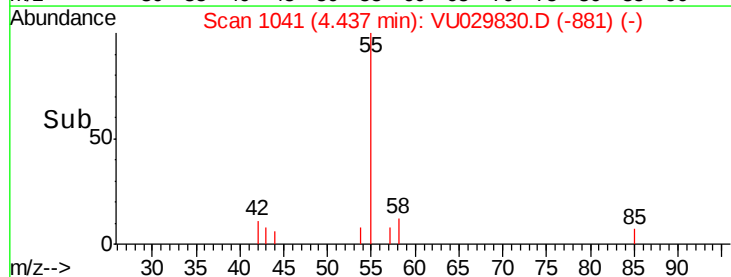
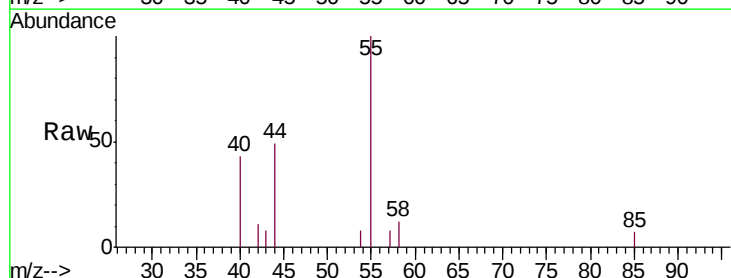
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

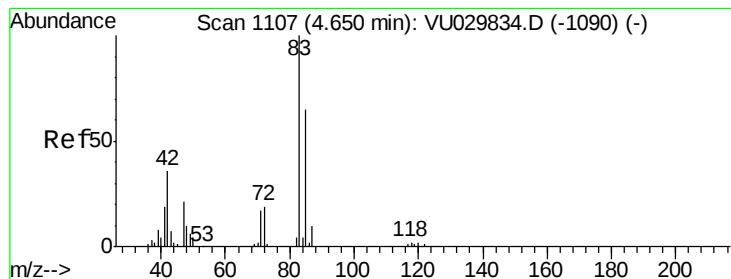
Tgt Ion: 41 Resp: 2356
Ion Ratio Lower Upper
41 100
67 74.5 68.4 102.6
39 57.2 42.6 63.8
52 19.5 26.2 39.4#



#40
Methyl acrylate
Concen: 0.498 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 55 Resp: 4007
Ion Ratio Lower Upper
55 100
85 0.0 15.2 22.8#
58 2.7 7.6 11.4#
42 5.8 7.5 11.3#





#41

Tetrahydrofuran

Concen: 1.114 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

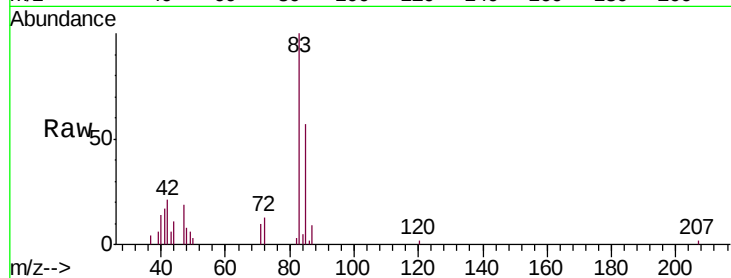
Tgt Ion: 42 Resp: 2965

Ion Ratio Lower Upper

42 100

72 46.3 43.6 65.4

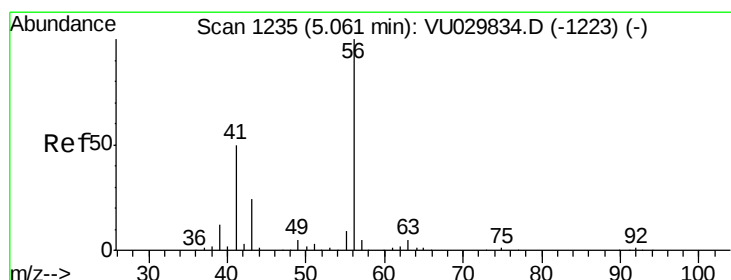
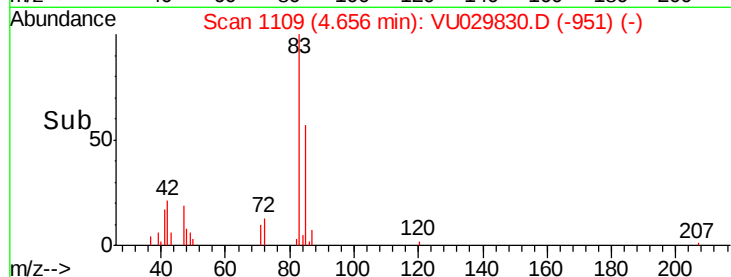
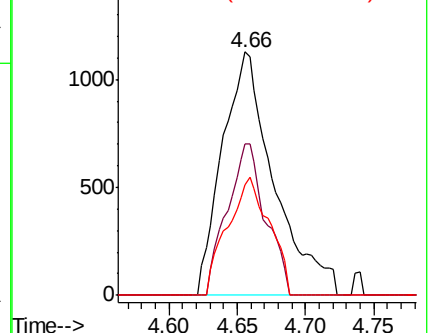
71 39.3 37.5 56.3



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



#42

1-Chlorobutane

Concen: 0.457 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU029830.D

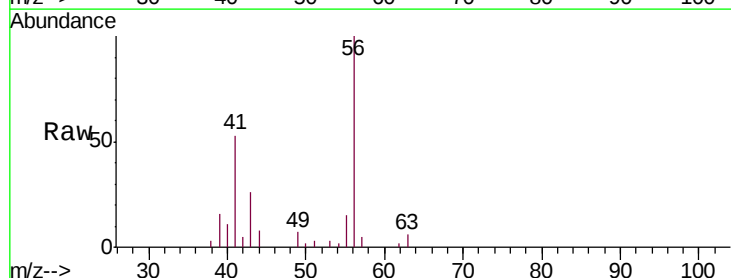
Acq: 06 Mar 2019 09:26

Tgt Ion: 56 Resp: 13963

Ion Ratio Lower Upper

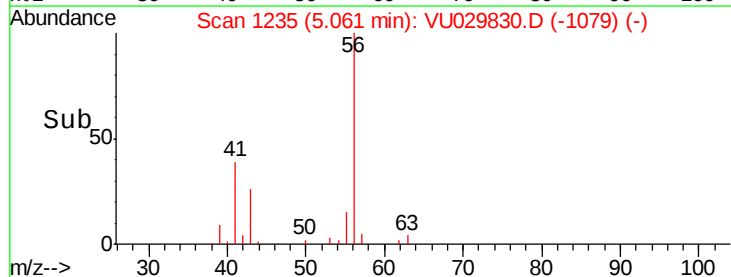
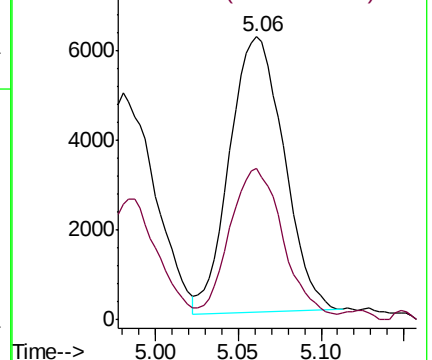
56 100

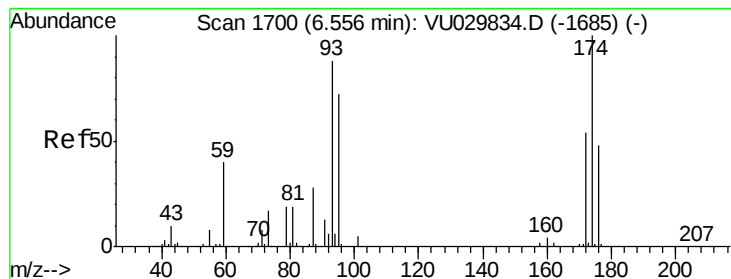
41 54.9 25.0 75.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.475 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

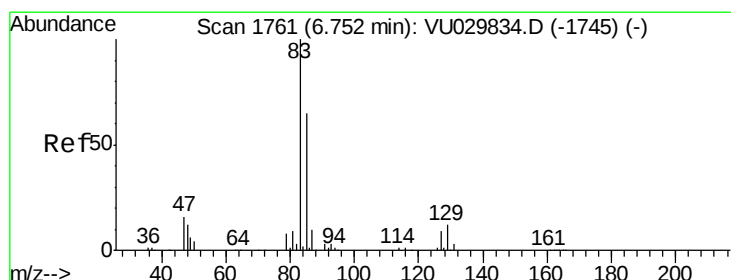
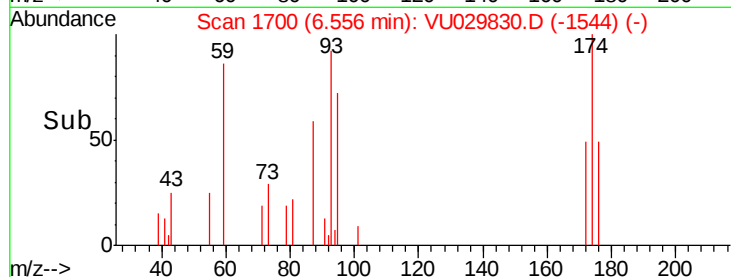
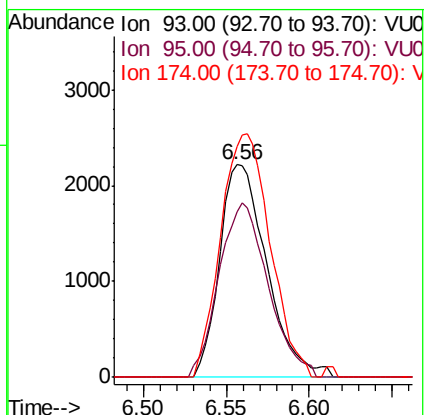
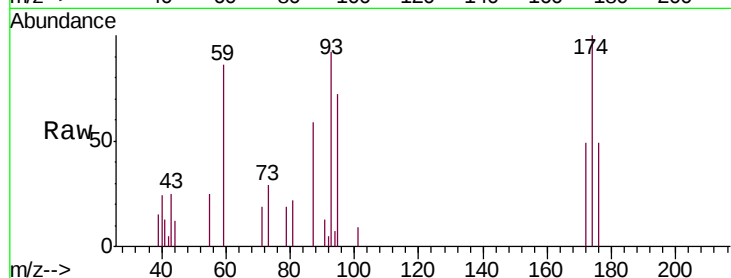
Tgt Ion: 93 Resp: 4383

Ion Ratio Lower Upper

93 100

95 85.4 67.0 100.6

174 120.1 91.4 137.2



#44

Bromodichloromethane

Concen: 0.512 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

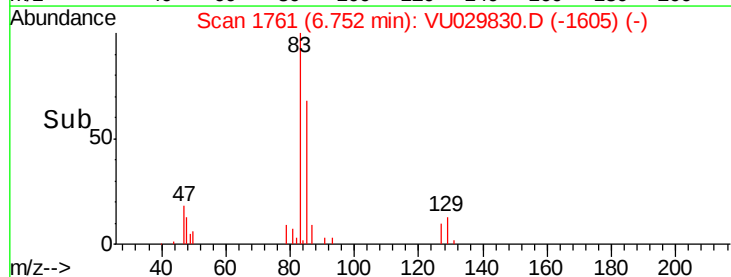
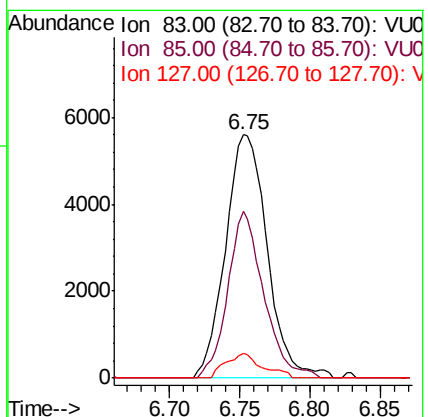
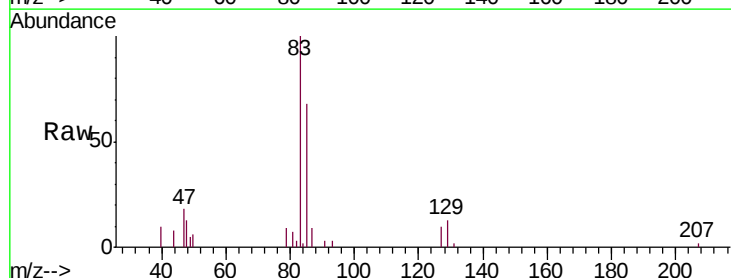
Tgt Ion: 83 Resp: 11606

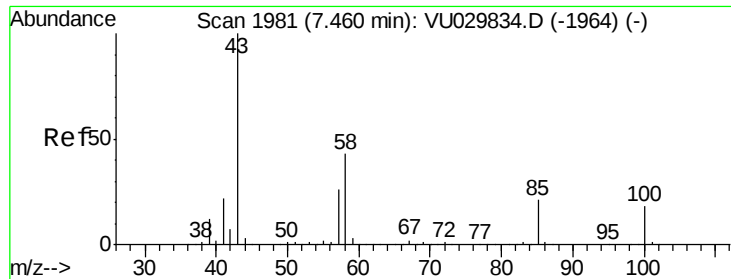
Ion Ratio Lower Upper

83 100

85 68.3 51.7 77.5

127 10.1 7.4 11.2

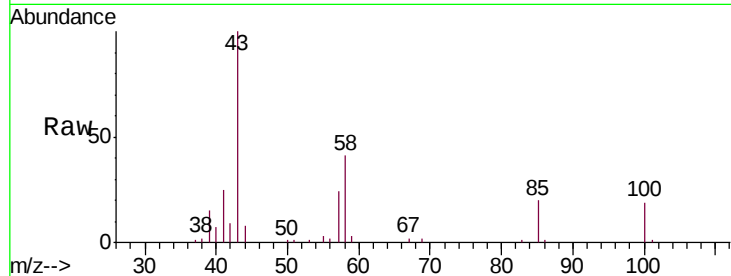




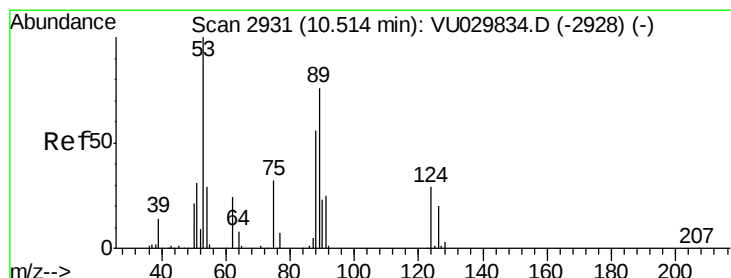
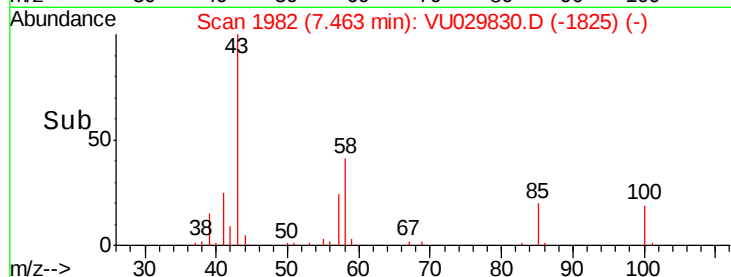
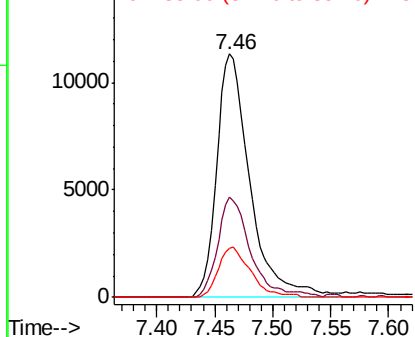
#45
4-Methyl-2-Pentanone
Concen: 2.350 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 22634
Ion Ratio Lower Upper
43 100
58 39.3 21.6 65.0
85 20.1 16.5 24.7

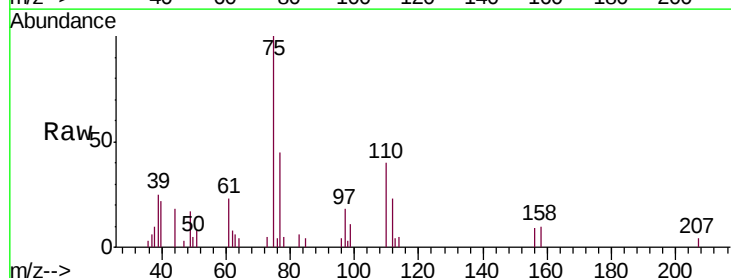


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

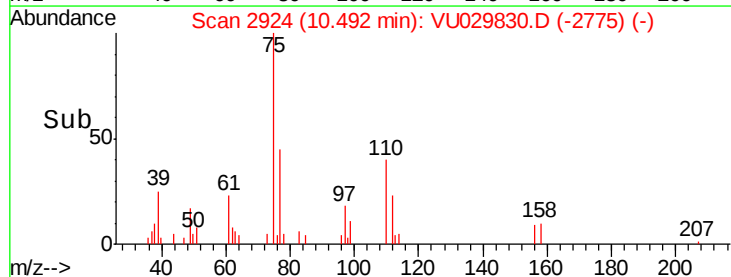
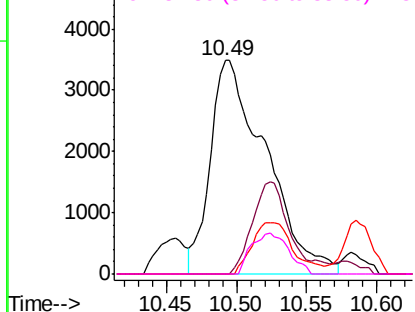


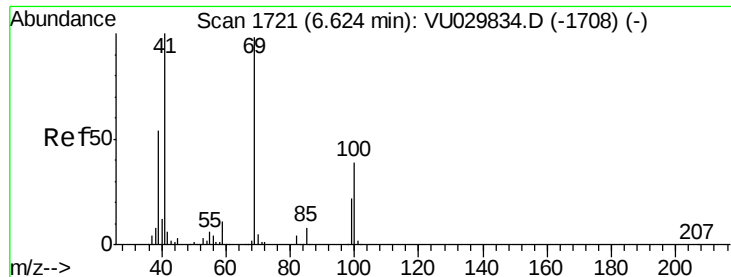
#46
t-1,4-Dichloro-2-butene
Concen: 2.282 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 75 Resp: 9566
Ion Ratio Lower Upper
75 100
53 29.7 59.2 88.8#
89 18.1 44.9 67.3#
88 12.9 32.2 48.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

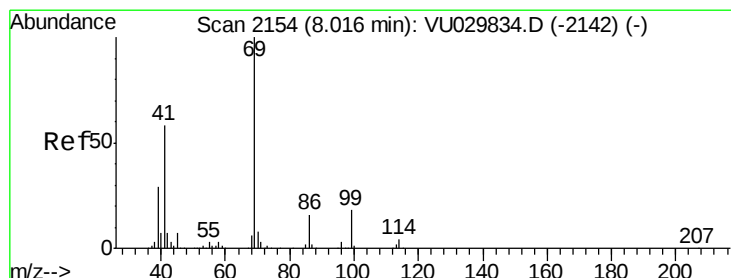
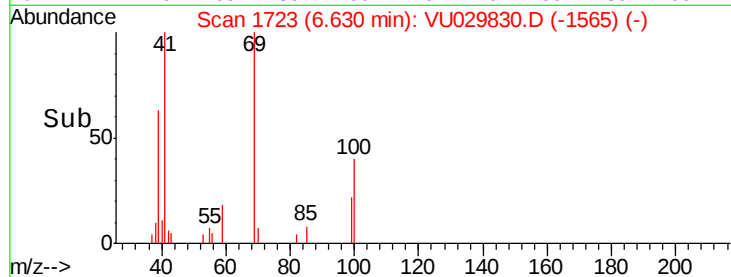
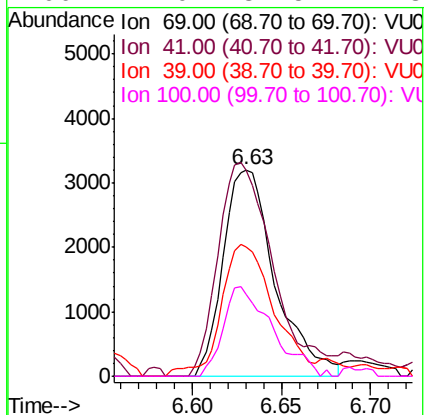
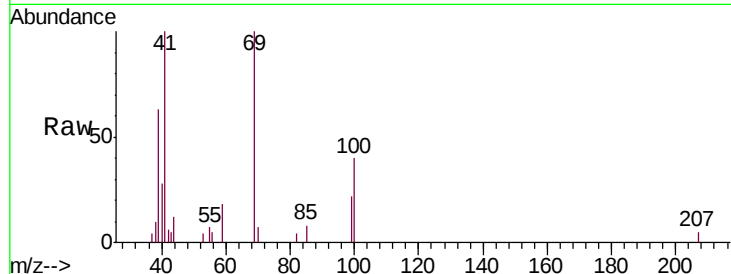




#47
Methyl methacrylate
Concen: 0.823 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

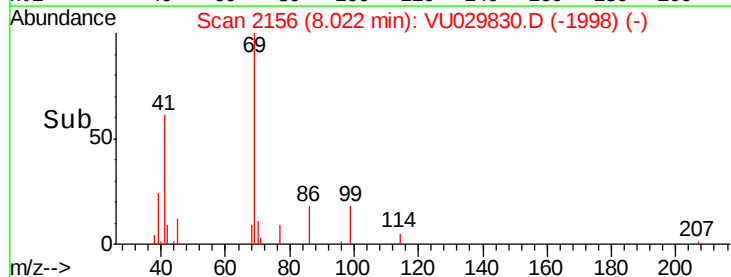
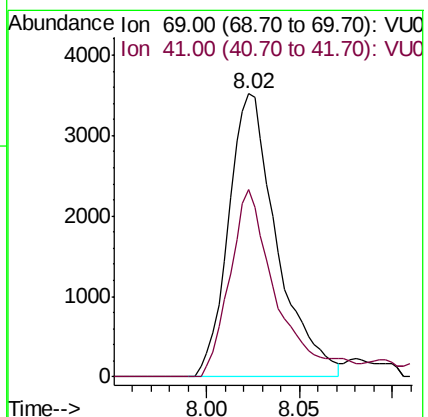
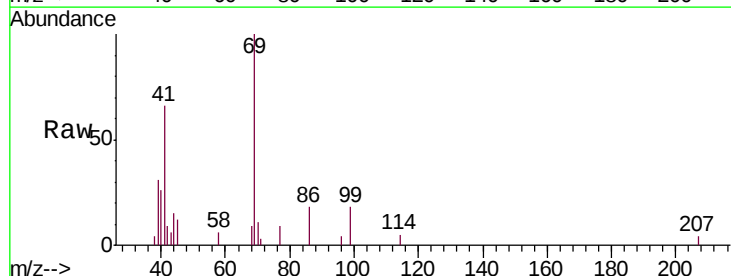
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

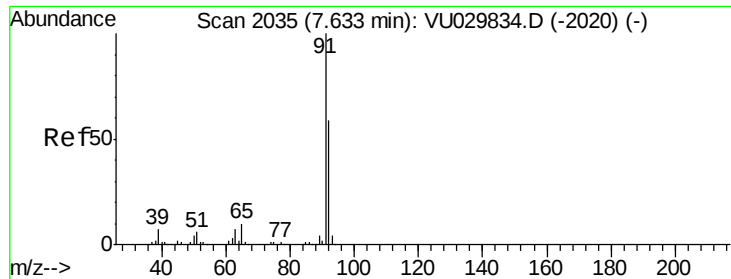
Tgt Ion: 69 Resp: 6522
Ion Ratio Lower Upper
69 100
41 109.9 0.0 201.0
39 64.9 43.3 64.9
100 41.0 31.5 47.3



#48
Ethyl methacrylate
Concen: 0.419 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 69 Resp: 6368
Ion Ratio Lower Upper
69 100
41 64.2 29.0 87.1





#49

Toluene

Concen: 0.471 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

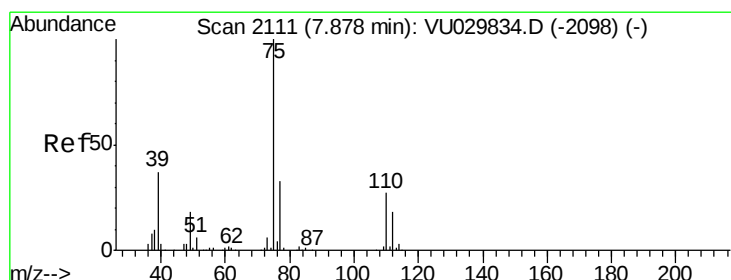
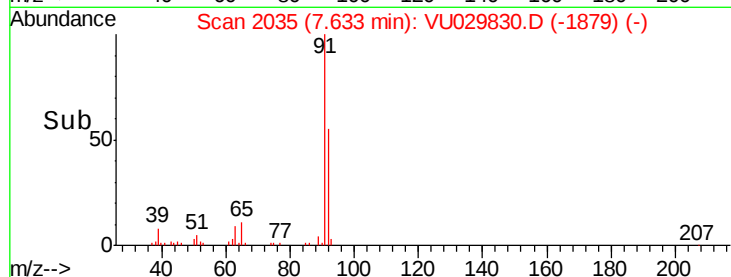
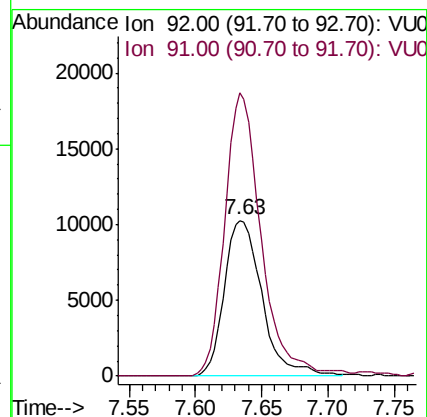
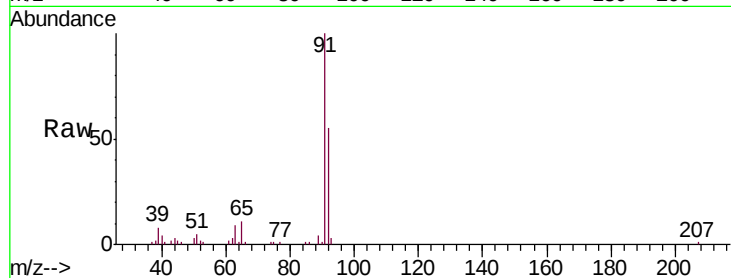
VSTDIC0.5

Tgt Ion: 92 Resp: 20355

Ion Ratio Lower Upper

92 100

91 173.5 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 0.476 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029830.D

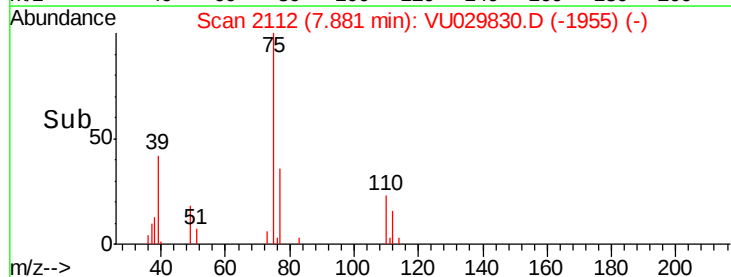
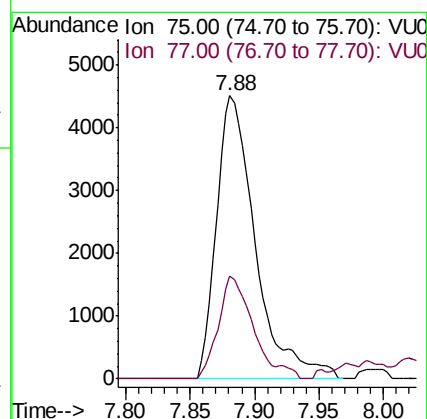
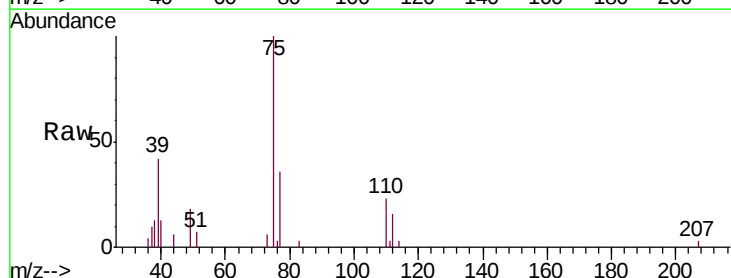
Acq: 06 Mar 2019 09:26

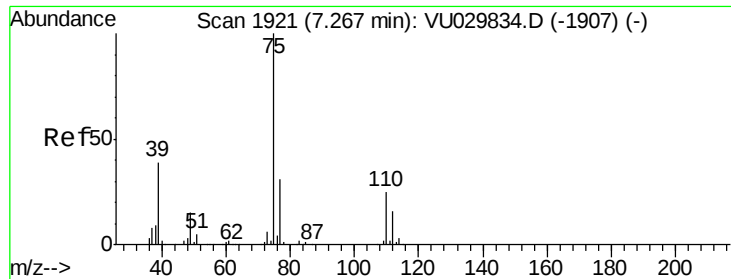
Tgt Ion: 75 Resp: 9458

Ion Ratio Lower Upper

75 100

77 36.3 26.4 39.6



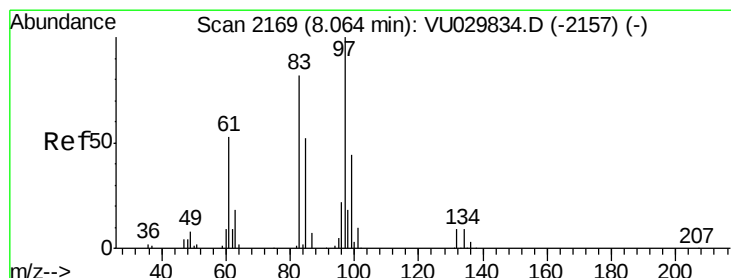
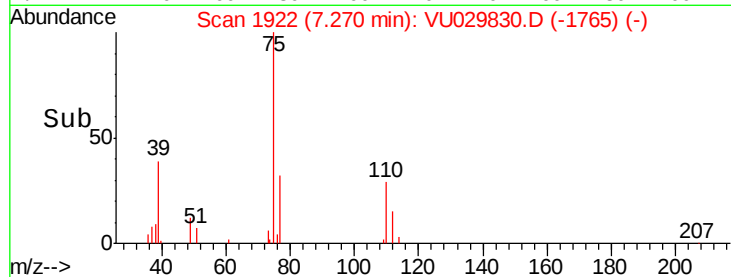
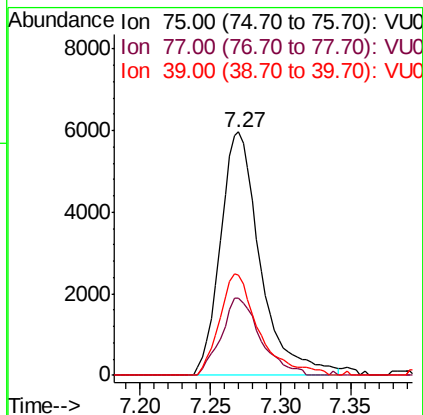
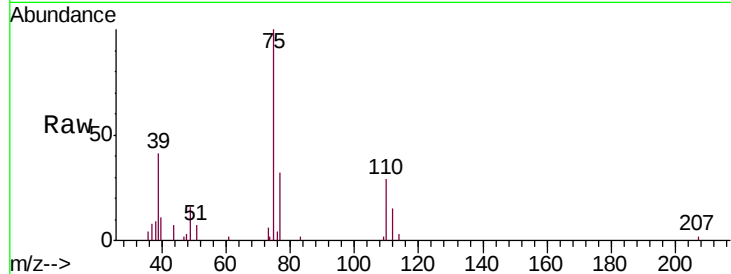


#51

cis-1,3-Dichloropropene
 Concen: 0.479 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

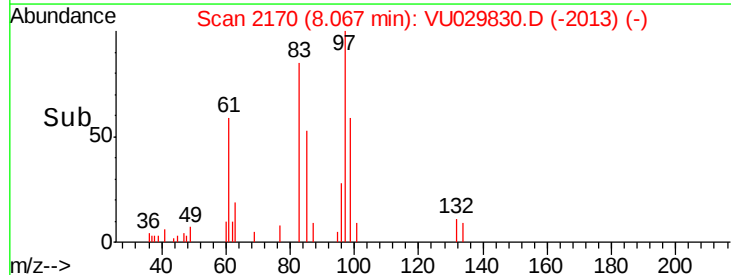
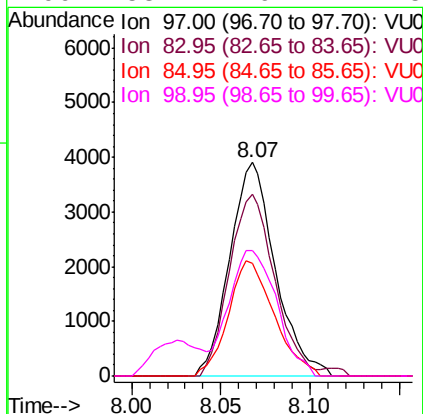
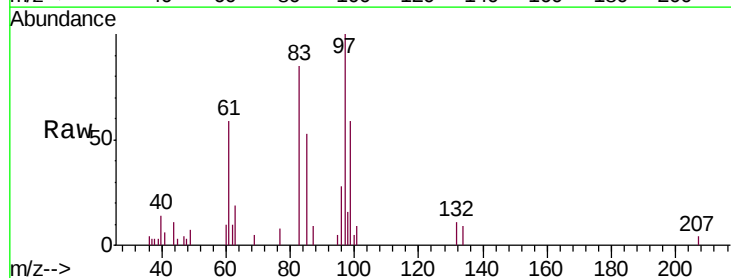
Tgt Ion: 75 Resp: 11780
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.9 37.3
 39 41.1 30.8 46.2

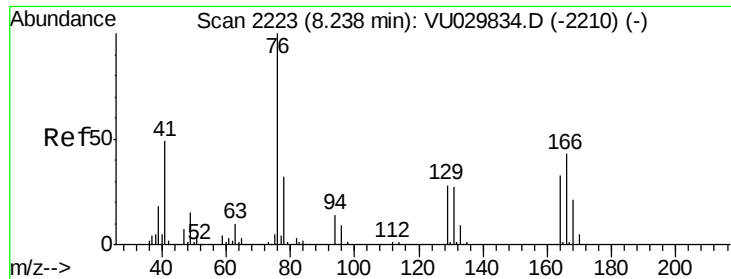


#52

1,1,2-Trichloroethane
 Concen: 0.508 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 97 Resp: 6937
 Ion Ratio Lower Upper
 97 100
 83 85.0 65.9 98.9
 85 52.6 43.0 64.6
 99 58.7 49.7 74.5

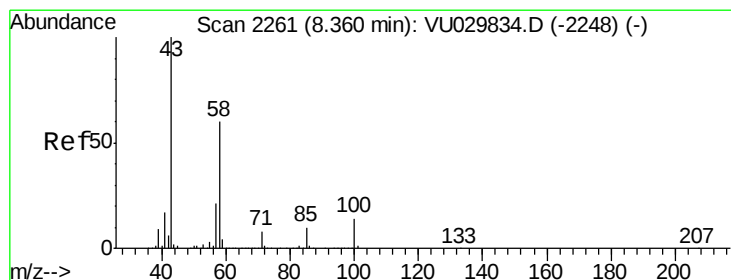
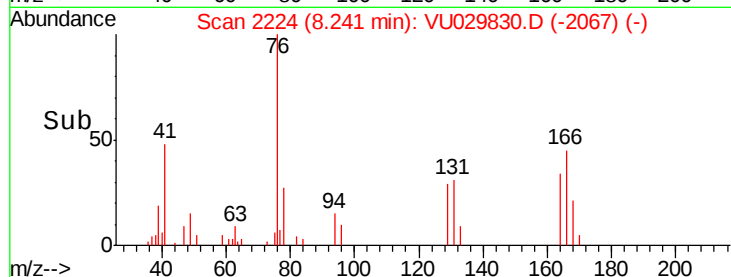
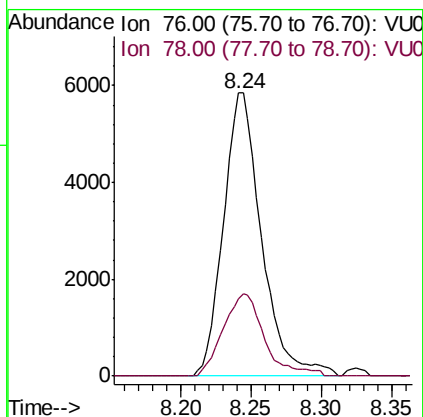
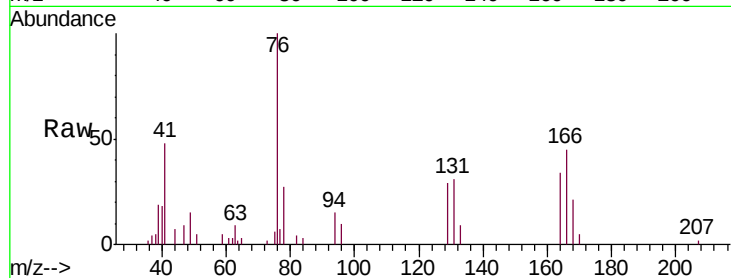




#53
 1,3-Dichloropropane
 Concen: 0.492 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

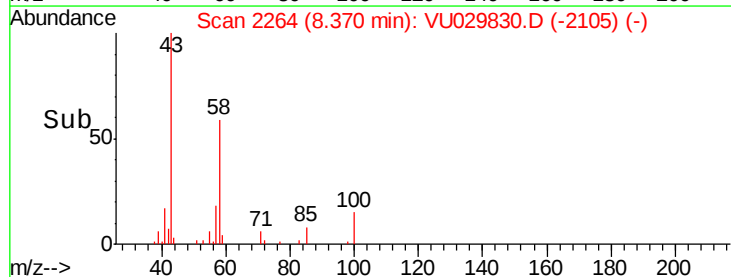
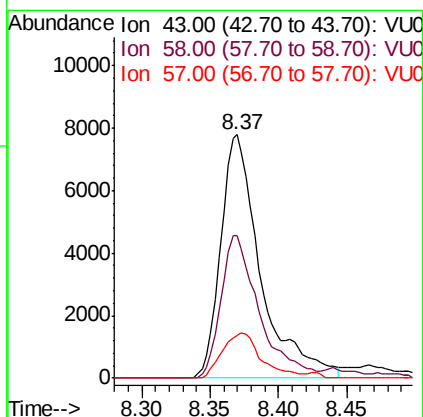
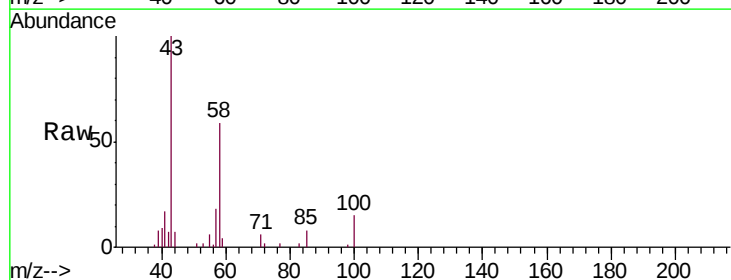
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

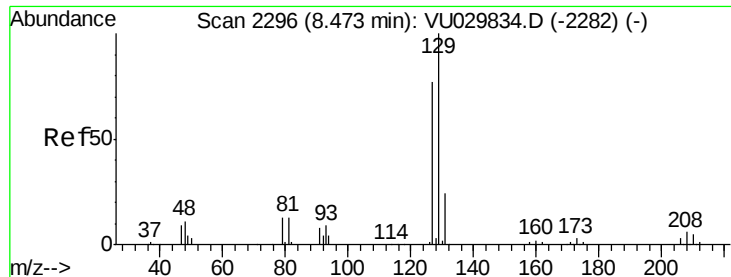
Tgt Ion: 76 Resp: 11032
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



#54
 2-Hexanone
 Concen: 2.369 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 43 Resp: 15848
 Ion Ratio Lower Upper
 43 100
 58 56.2 39.6 79.6
 57 18.1 0.5 40.5





#55

Dibromochloromethane

Concen: 0.484 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

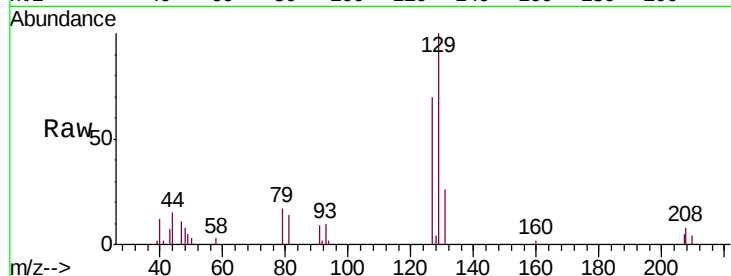
VSTDIC0.5

Tgt Ion:129 Resp: 7856

Ion Ratio Lower Upper

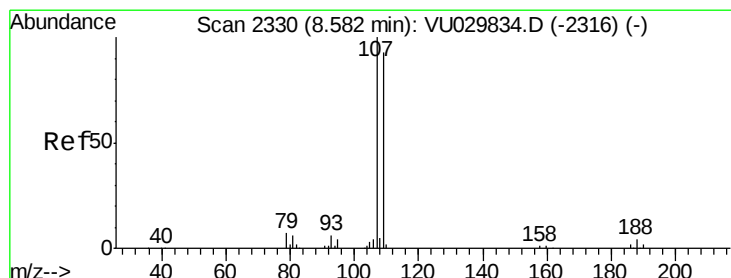
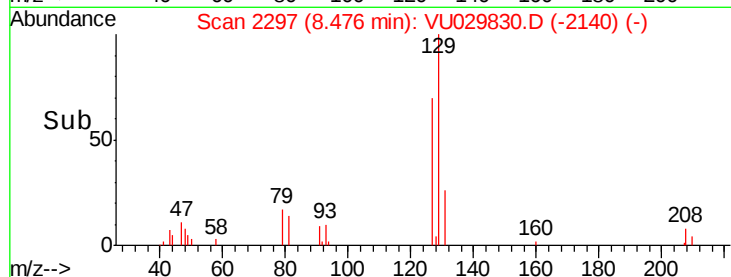
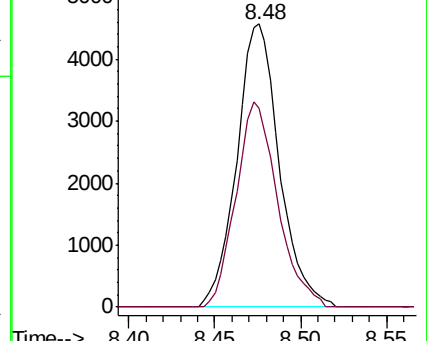
129 100

127 70.8 61.6 92.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.502 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU029830.D

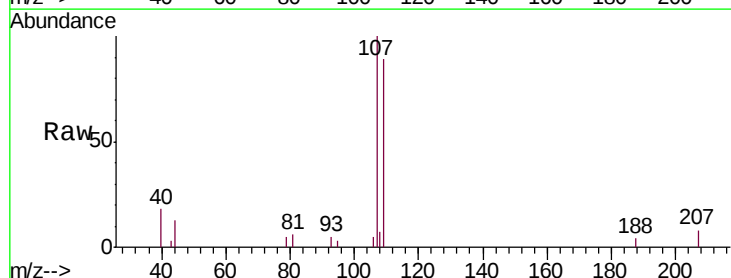
Acq: 06 Mar 2019 09:26

Tgt Ion:107 Resp: 6501

Ion Ratio Lower Upper

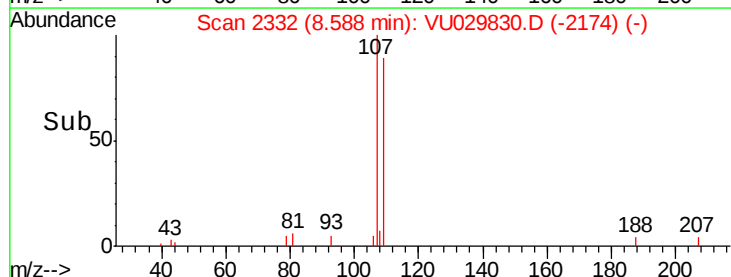
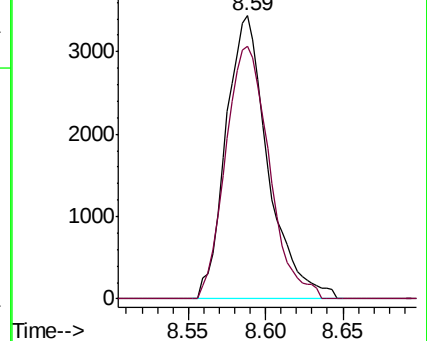
107 100

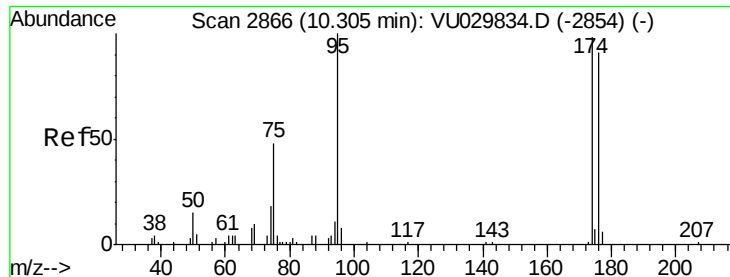
109 92.4 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.502 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

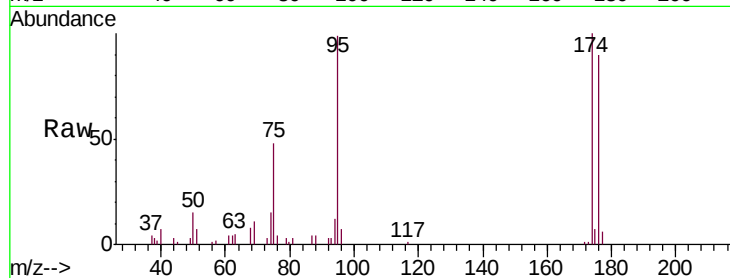
Tgt Ion: 95 Resp: 22235

Ion Ratio Lower Upper

95 100

174 95.1 76.5 114.7

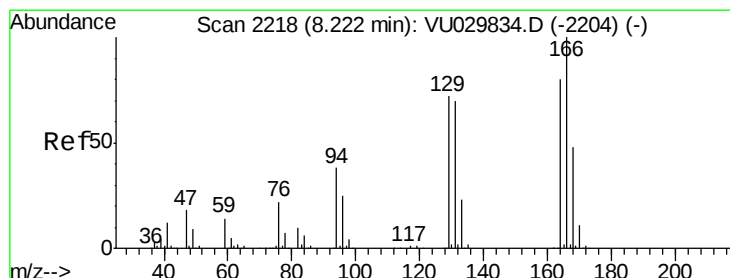
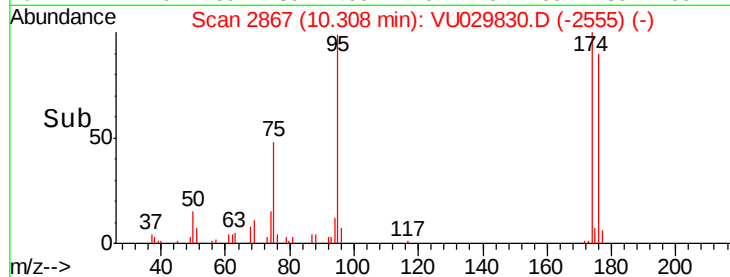
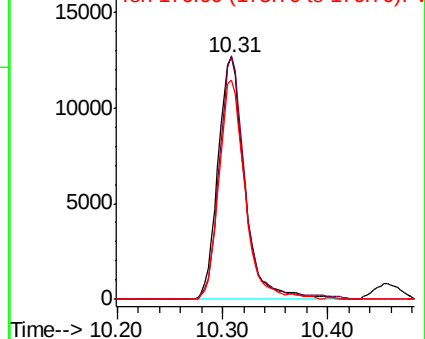
176 87.8 74.2 111.2



Abundance Ion 95.00 (94.70 to 95.70): VU029830.D (-2854) (-)

Ion 174.00 (173.70 to 174.70): VU029830.D (-2854) (-)

Ion 176.00 (175.70 to 176.70): VU029830.D (-2854) (-)



#58

Tetrachloroethene

Concen: 0.525 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Tgt Ion: 164 Resp: 11028

Ion Ratio Lower Upper

164 100

166 124.8 100.5 150.7

129 88.6 72.3 108.5

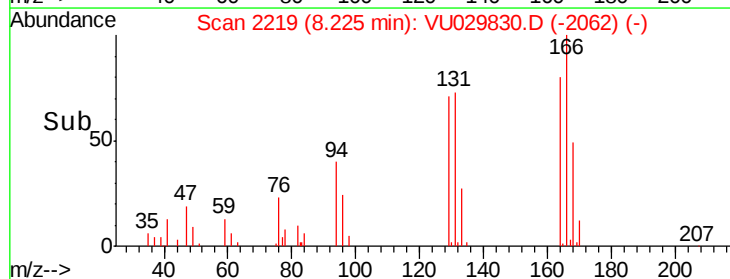
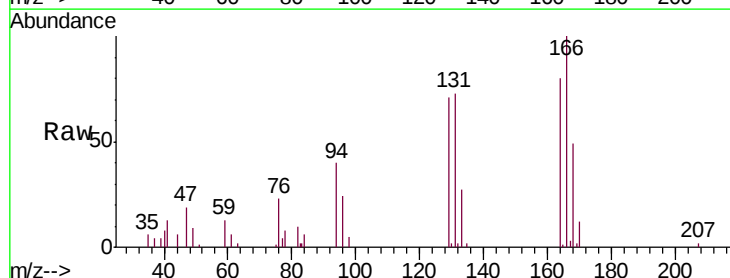
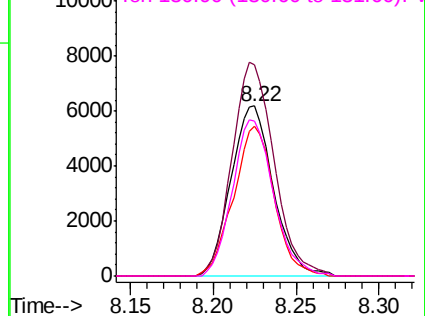
131 91.1 70.0 105.0

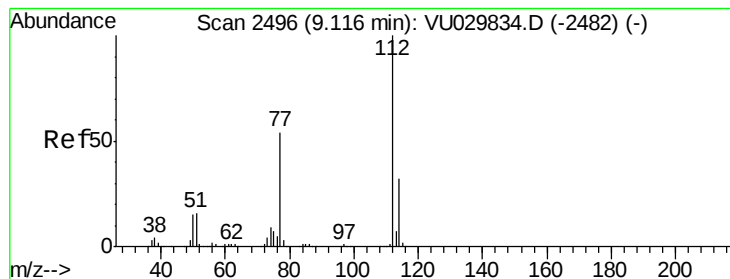
Abundance Ion 163.85 (163.55 to 164.55): VU029830.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU029830.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU029830.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU029830.D (-2062) (-)





#59

Chlorobenzene

Concen: 0.488 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

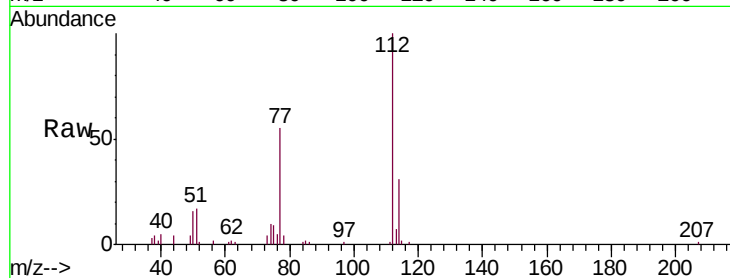
VSTDIC0.5

Tgt Ion:112 Resp: 24256

Ion Ratio Lower Upper

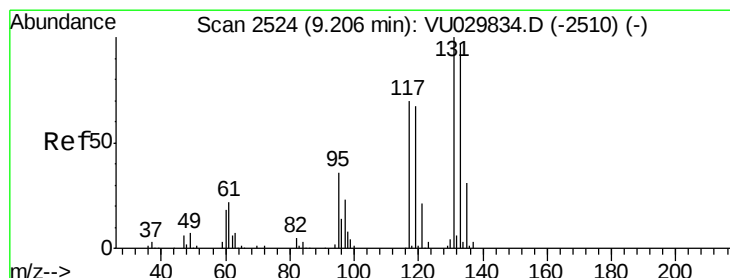
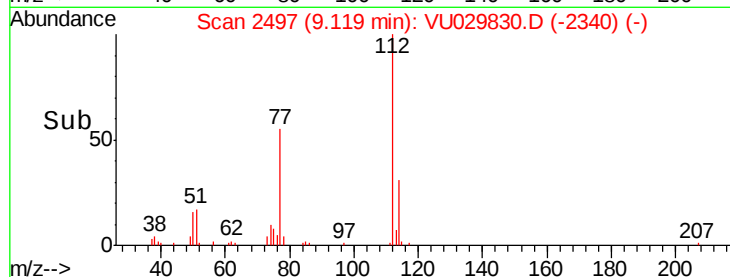
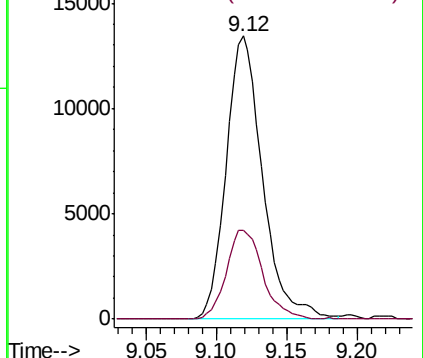
112 100

114 31.4 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.499 ug/l

RT: 9.20 min Scan# 2523

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

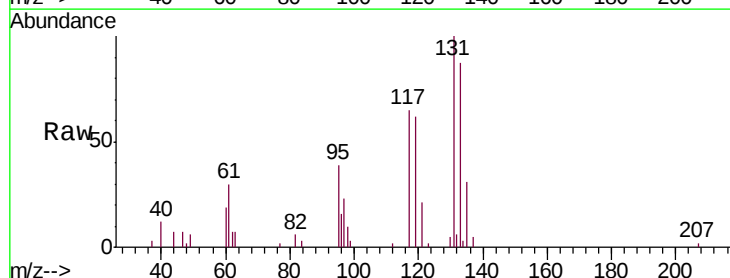
Tgt Ion:131 Resp: 8886

Ion Ratio Lower Upper

131 100

133 96.1 76.4 114.6

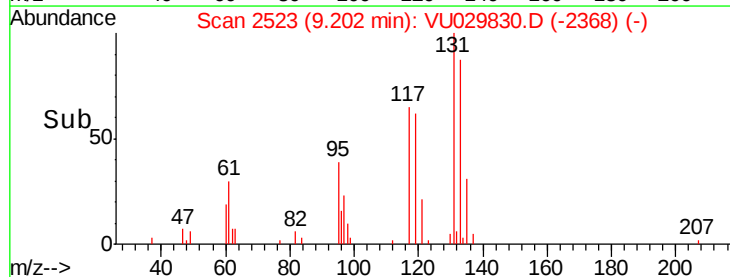
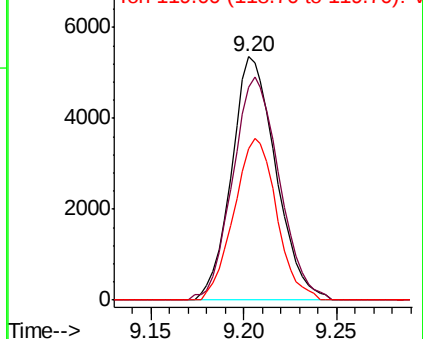
119 63.8 54.2 81.4

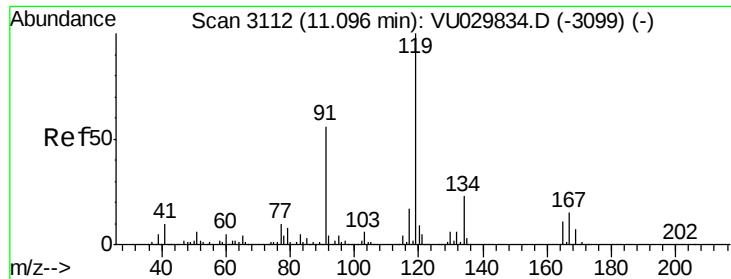


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.462 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

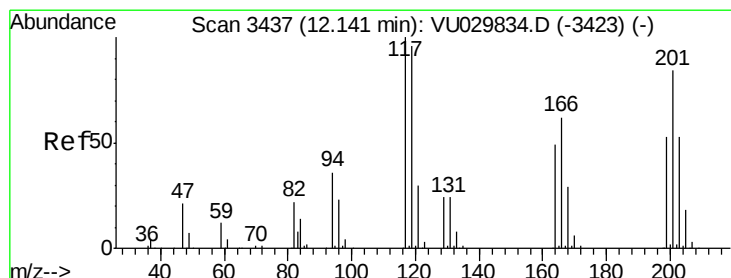
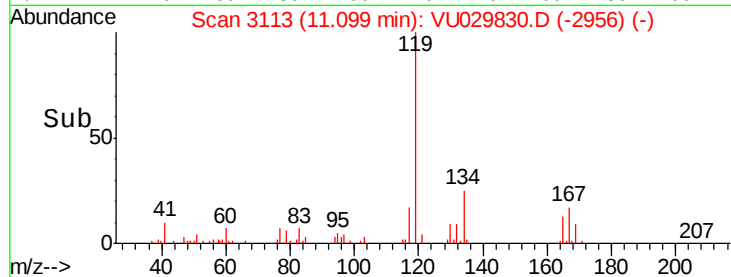
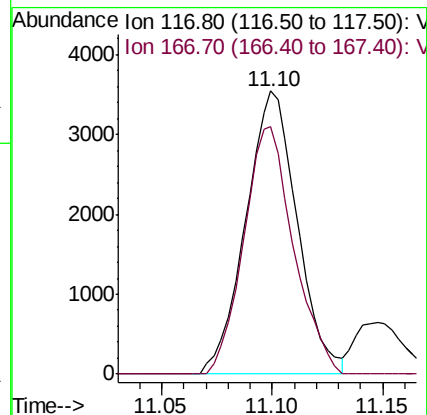
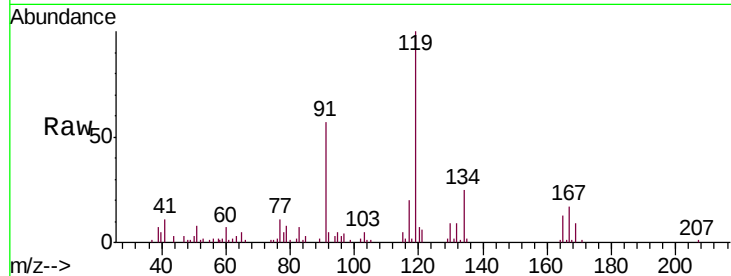
VSTDIC0.5

Tgt Ion:117 Resp: 5727

Ion Ratio Lower Upper

117 100

167 84.6 71.4 107.2



#62

Hexachloroethane

Concen: 0.468 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU029830.D

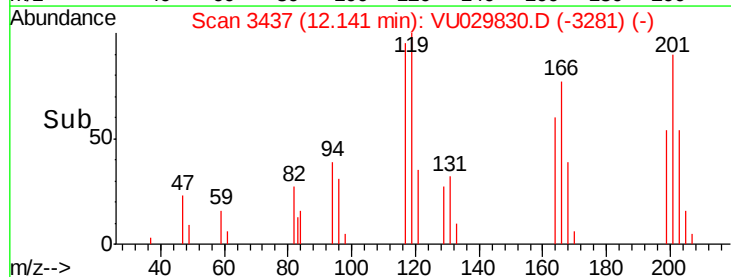
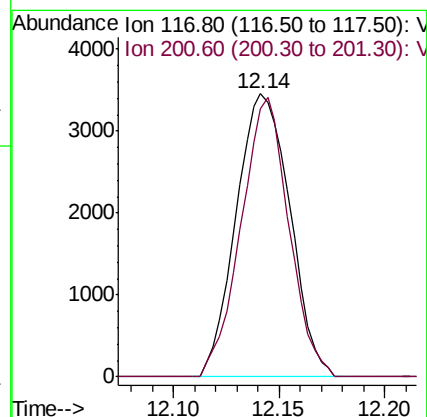
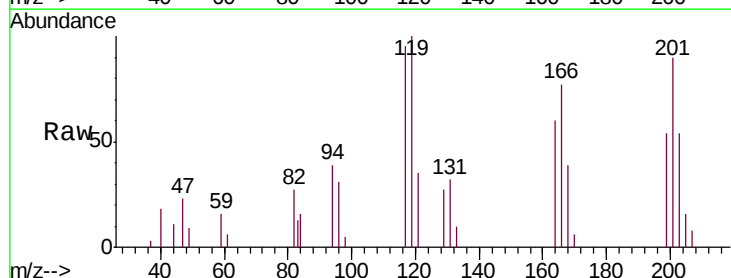
Acq: 06 Mar 2019 09:26

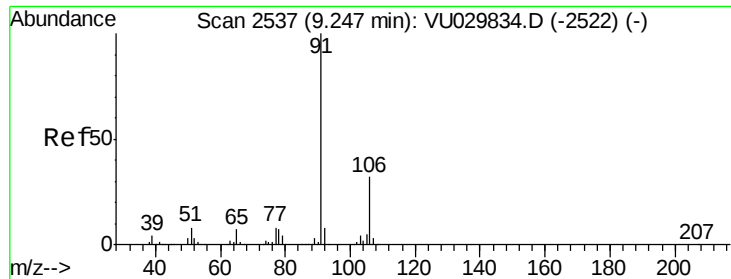
Tgt Ion:117 Resp: 6109

Ion Ratio Lower Upper

117 100

201 88.0 68.2 102.2

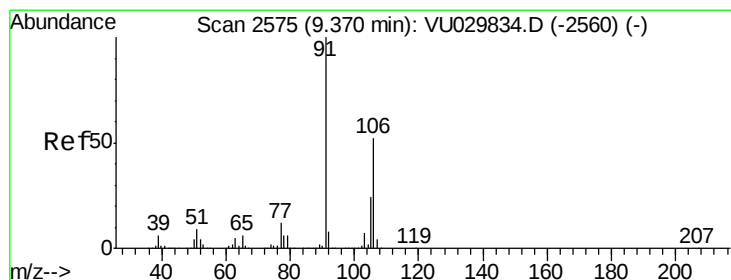
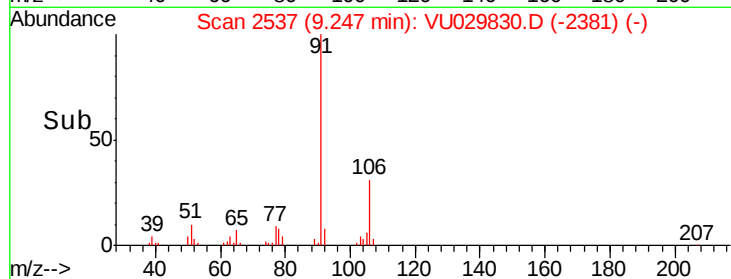
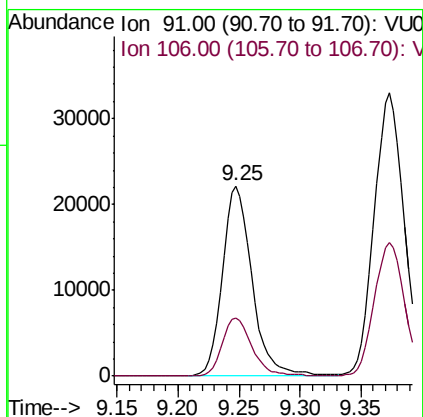
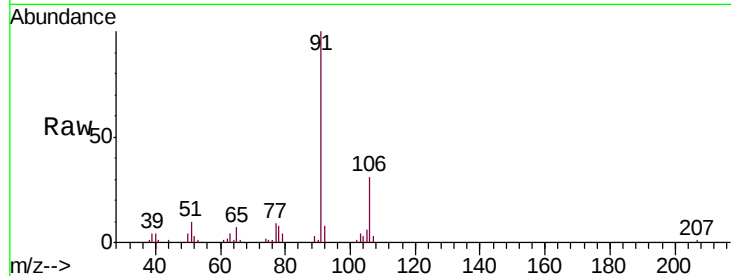




#63
Ethyl Benzene
Concen: 0.467 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

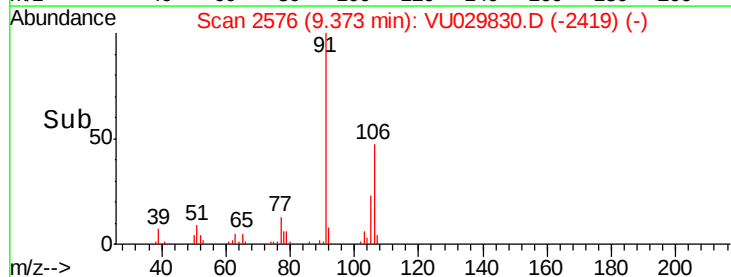
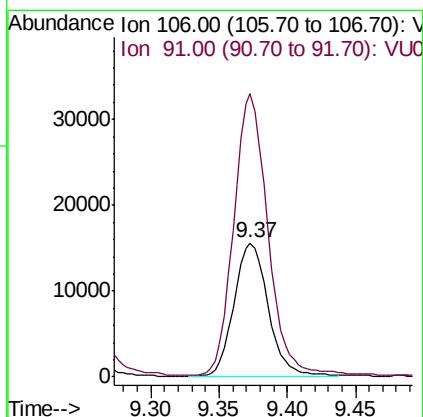
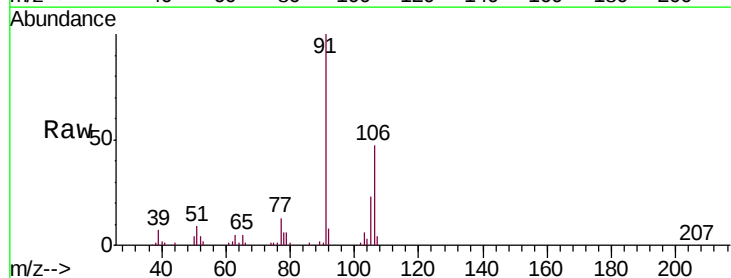
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

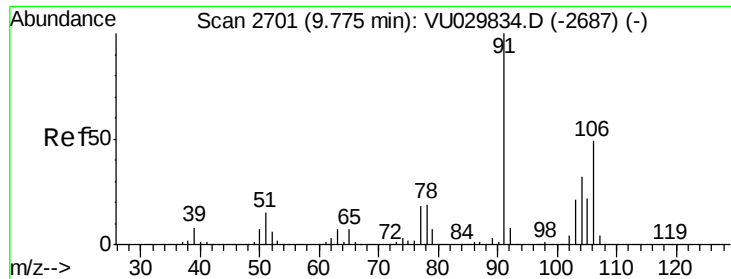
Tgt Ion: 91 Resp: 37994
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5



#64
m/p-Xylenes
Concen: 0.856 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 106 Resp: 27529
Ion Ratio Lower Upper
106 100
91 206.6 155.3 232.9

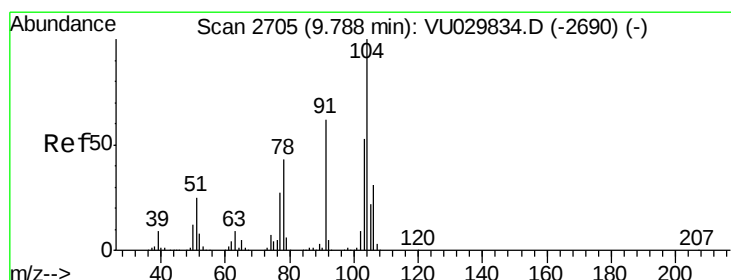
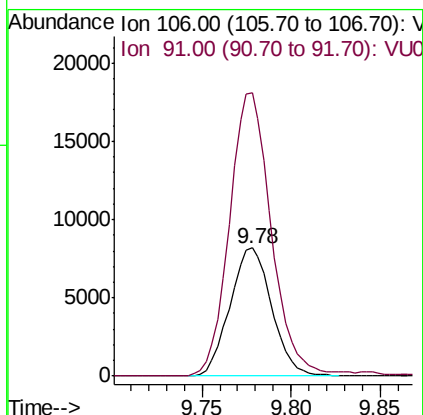
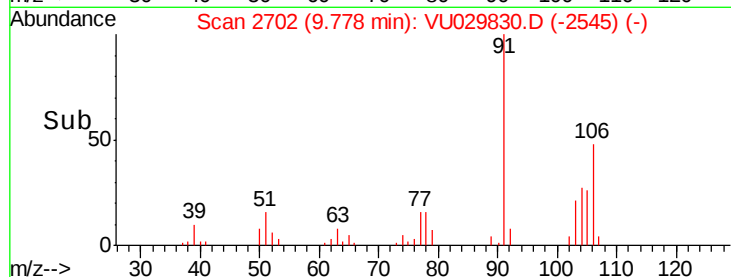
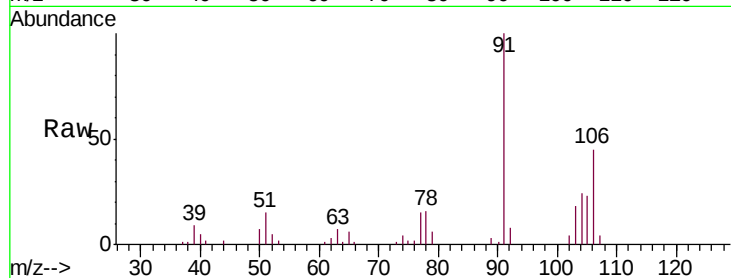




#65
o-Xylene
Concen: 0.434 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

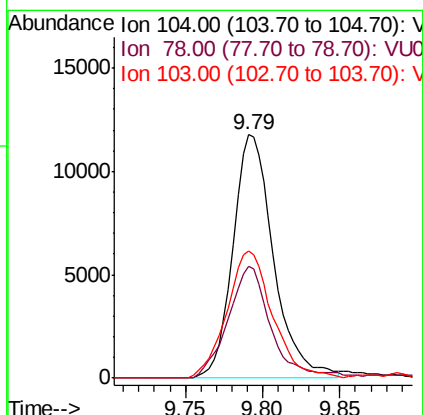
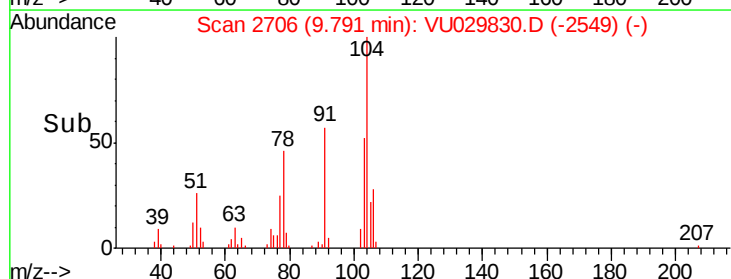
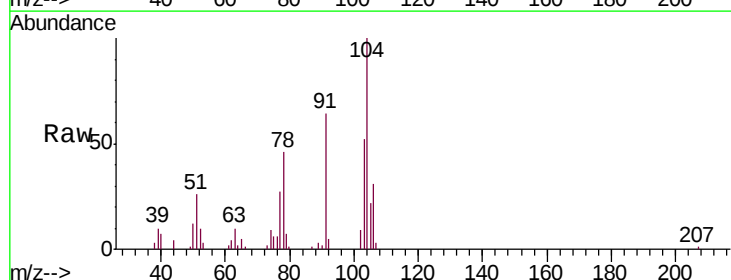
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

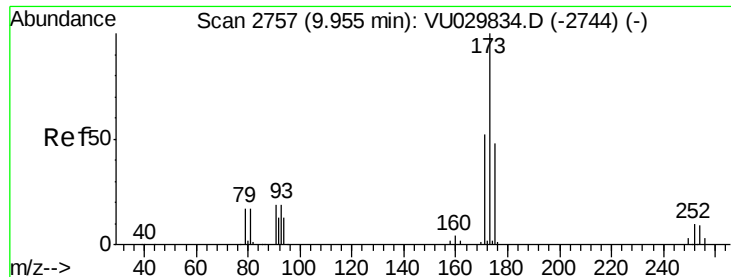
Tgt Ion:106 Resp: 13400
Ion Ratio Lower Upper
106 100
91 221.2 102.8 308.3



#66
Styrene
Concen: 0.418 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:104 Resp: 21451
Ion Ratio Lower Upper
104 100
78 48.6 37.2 55.8
103 58.7 44.7 67.1

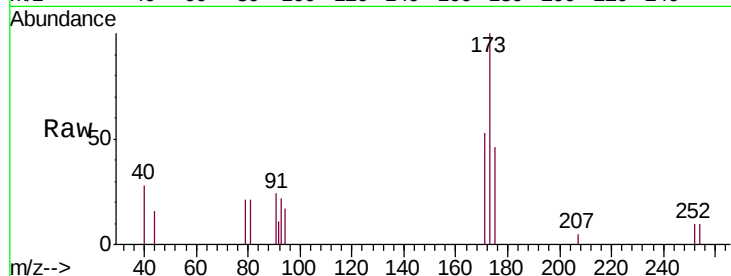




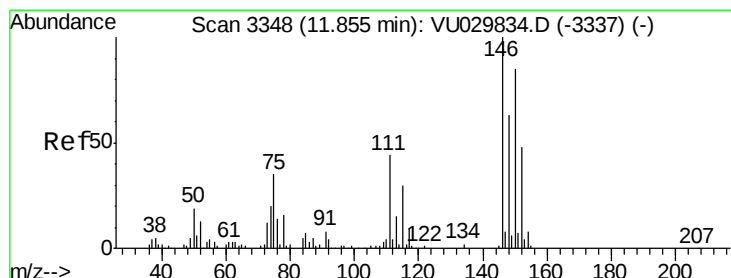
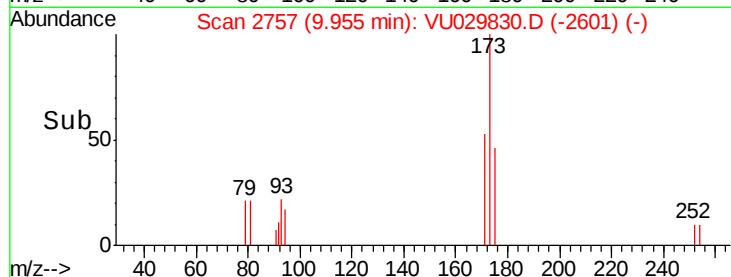
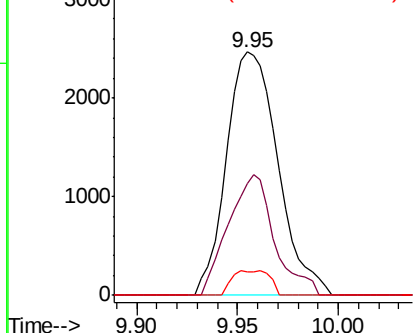
#67
 Bromoform
 Concen: 0.463 ug/l
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:173 Resp: 4413
 Ion Ratio Lower Upper
 173 100
 175 44.1 38.6 57.8
 254 7.4 7.4 11.2#

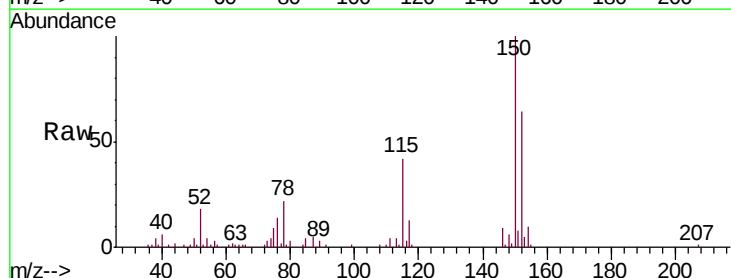


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

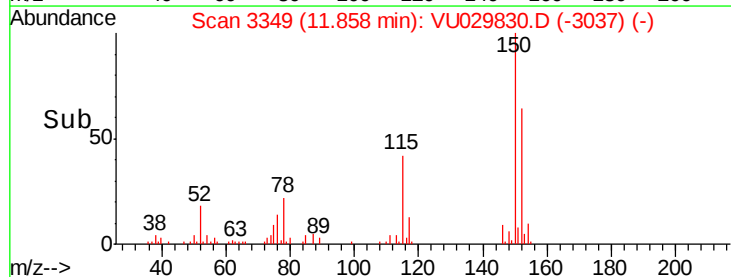
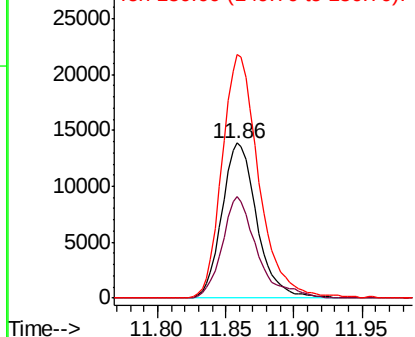


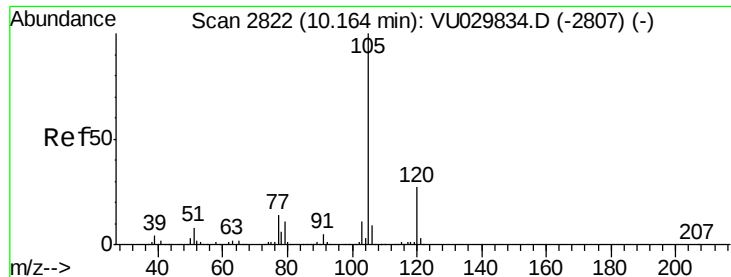
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.463 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion:152 Resp: 24672
 Ion Ratio Lower Upper
 152 100
 115 65.0 0.0 124.0
 150 165.2 0.0 631.2



Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.446 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

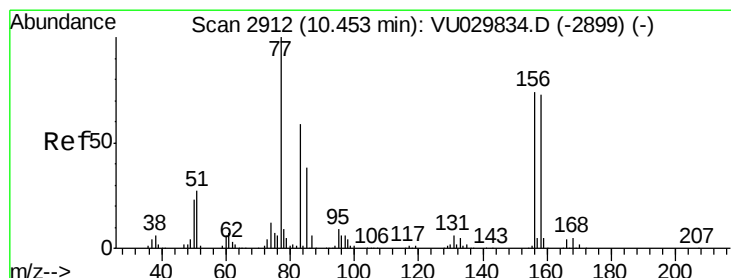
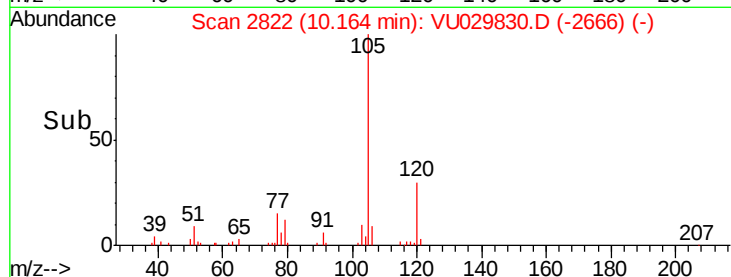
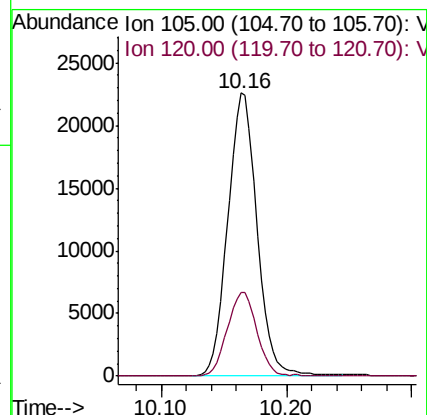
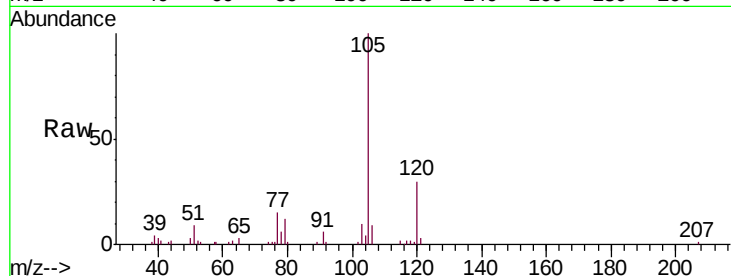
VSTDIC0.5

Tgt Ion:105 Resp: 36536

Ion Ratio Lower Upper

105 100

120 29.7 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 0.509 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

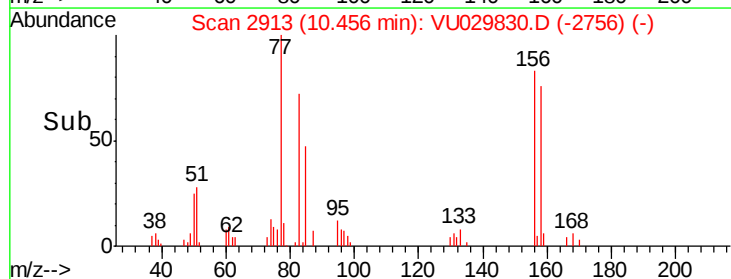
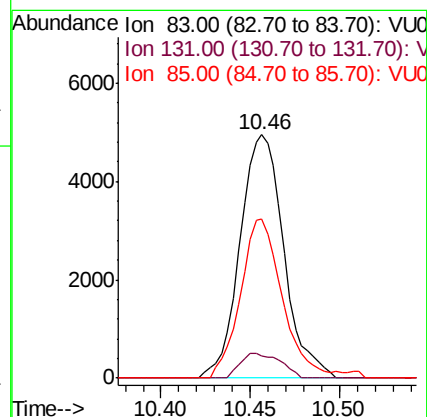
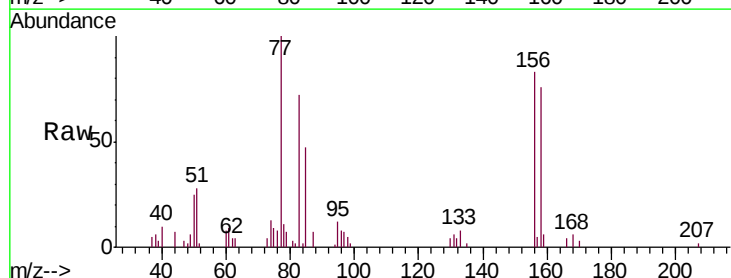
Tgt Ion: 83 Resp: 8486

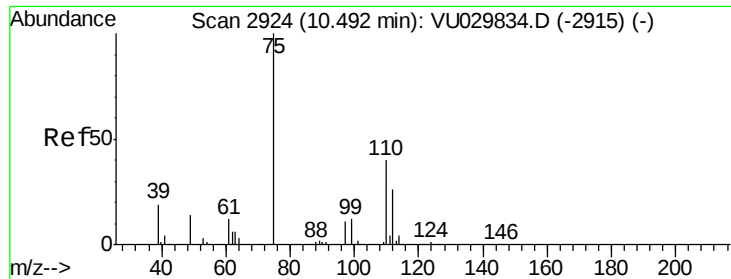
Ion Ratio Lower Upper

83 100

131 9.4 8.3 12.5

85 62.2 52.5 78.7





#71

1,2,3-Trichloropropane

Concen: 0.792 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 9566

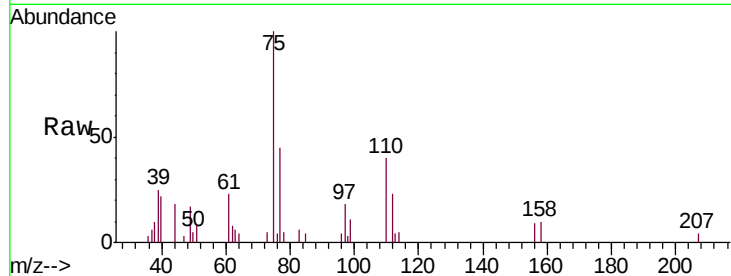
Ion Ratio Lower Upper

75 100

77 0.0 0.0 16.4

110 23.9 0.0 74.8

97 12.4 0.0 39.4

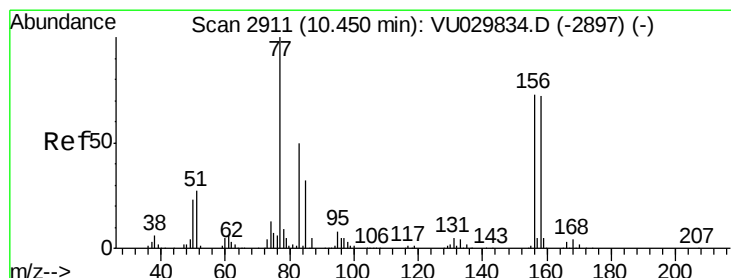
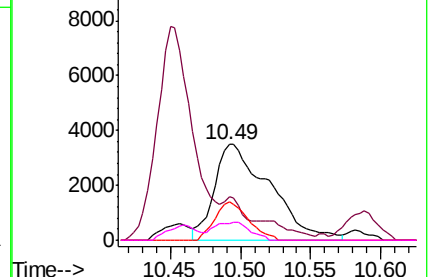
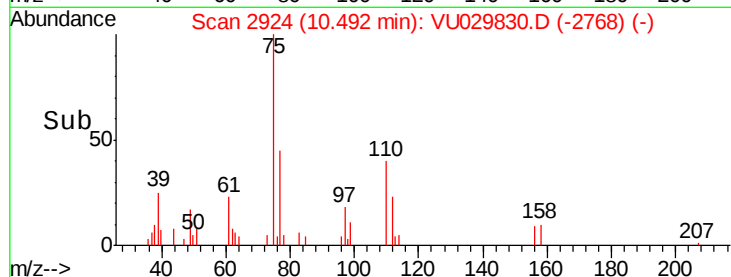


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.470 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

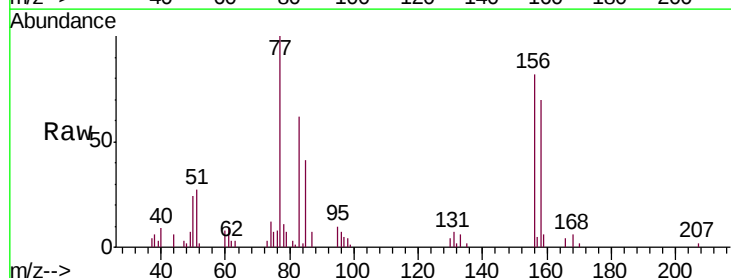
Tgt Ion: 156 Resp: 10186

Ion Ratio Lower Upper

156 100

77 136.7 0.0 282.2

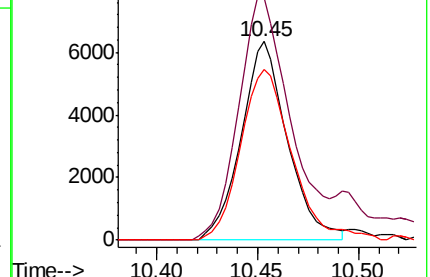
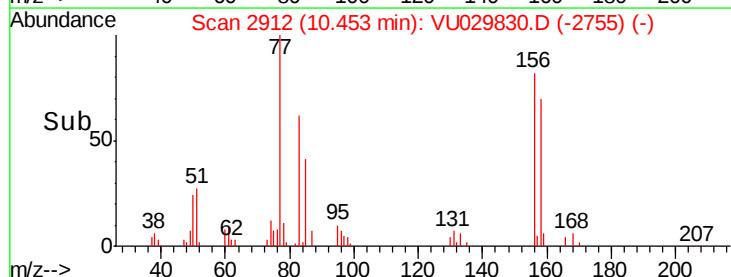
158 95.2 0.0 196.2

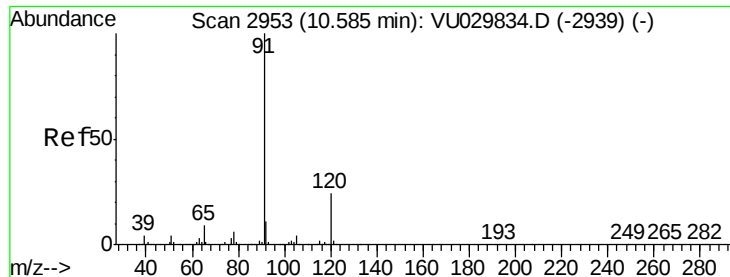


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

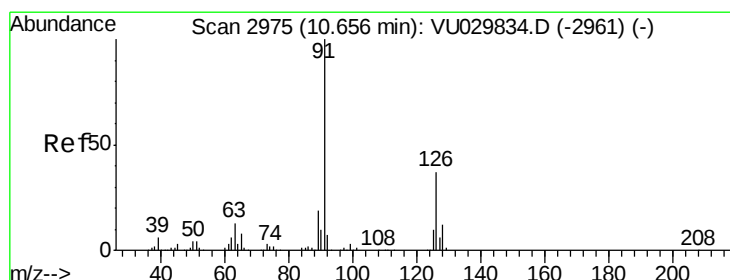
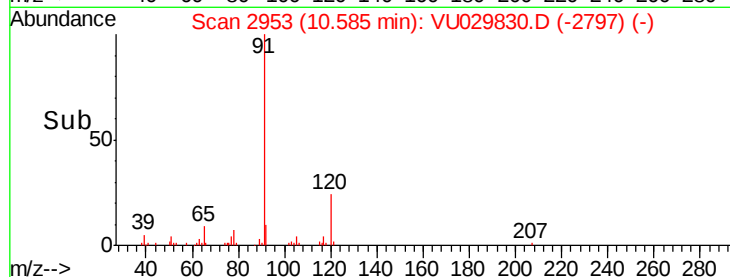
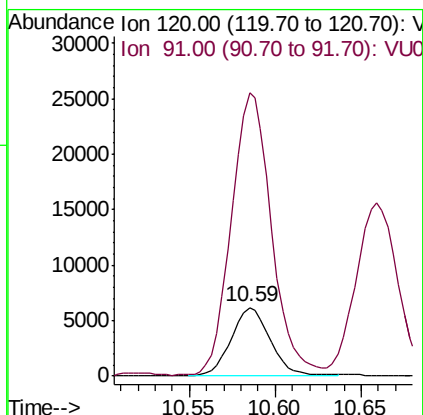
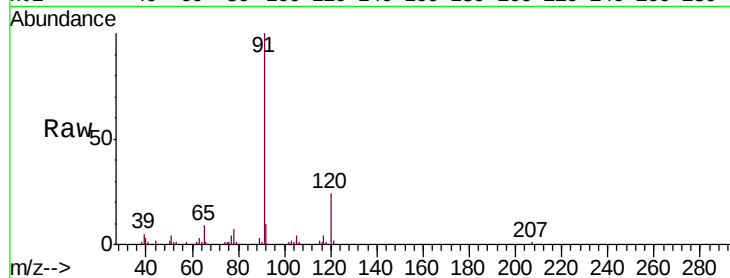




#73
n-propylbenzene
Concen: 0.429 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

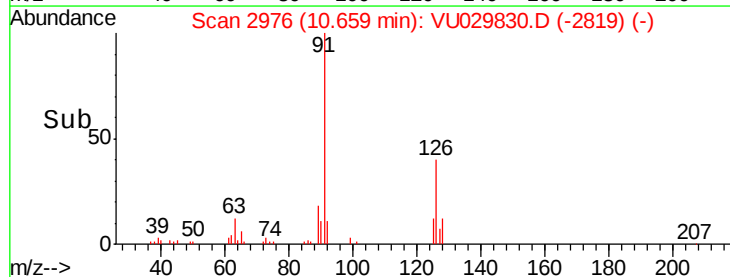
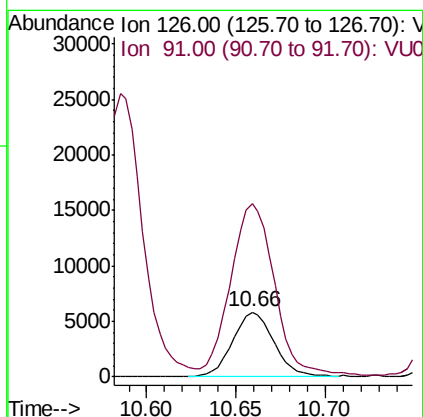
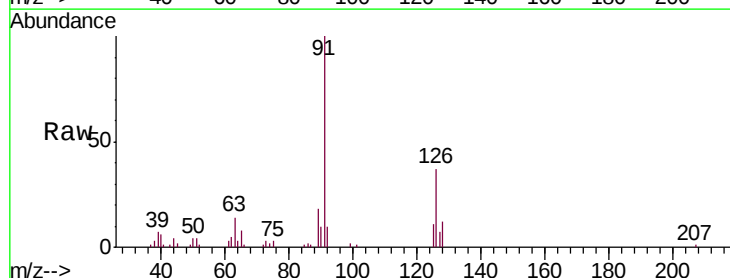
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

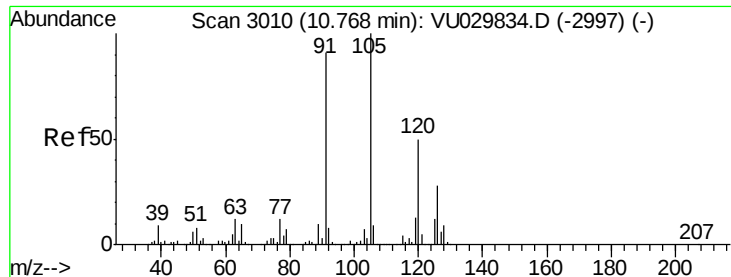
Tgt Ion:120 Resp: 9888
Ion Ratio Lower Upper
120 100
91 422.8 333.4 500.2



#74
2-Chlorotoluene
Concen: 0.458 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:126 Resp: 9349
Ion Ratio Lower Upper
126 100
91 287.4 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 0.431 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

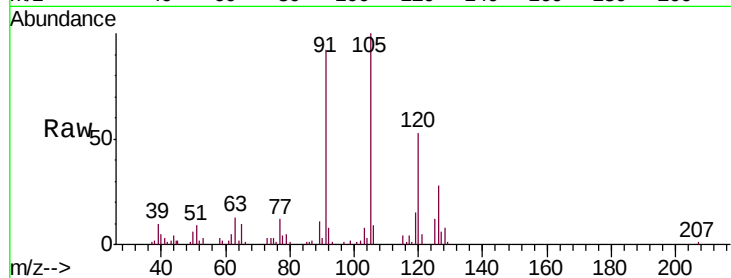
VSTDIC0.5

Tgt Ion:105 Resp: 29722

Ion Ratio Lower Upper

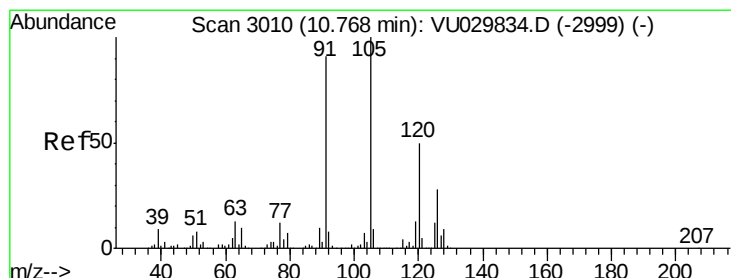
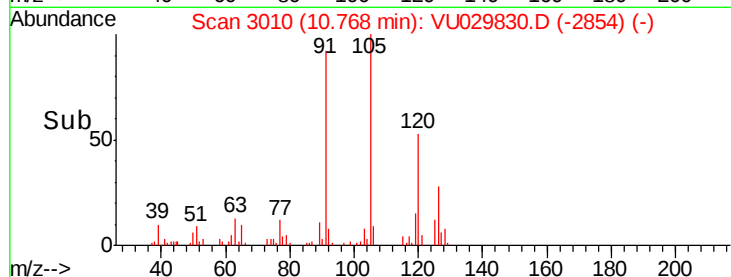
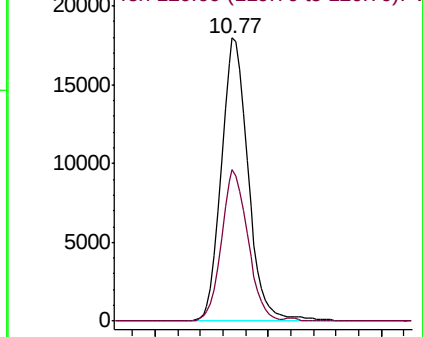
105 100

120 52.4 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.442 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU029830.D

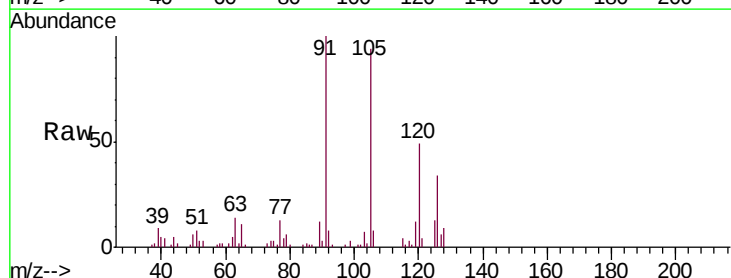
Acq: 06 Mar 2019 09:26

Tgt Ion:126 Resp: 9211

Ion Ratio Lower Upper

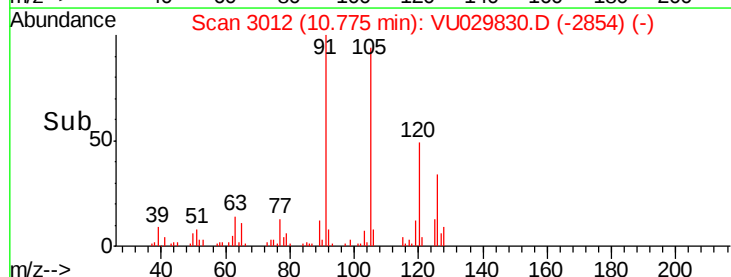
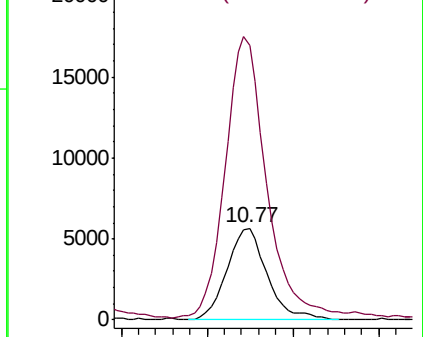
126 100

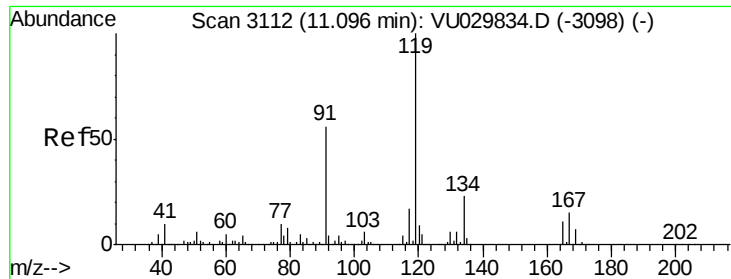
91 320.0 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

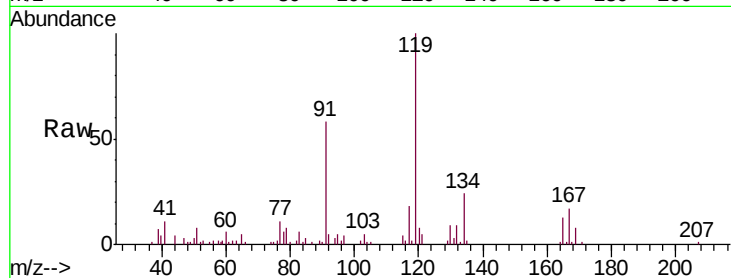




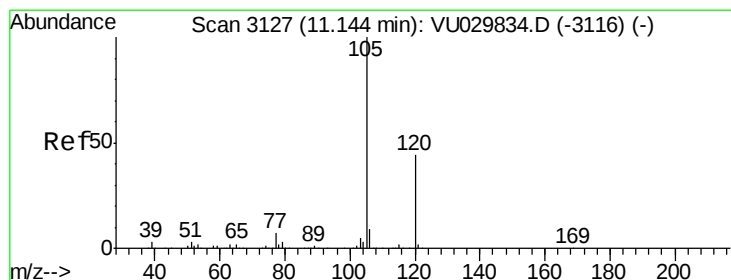
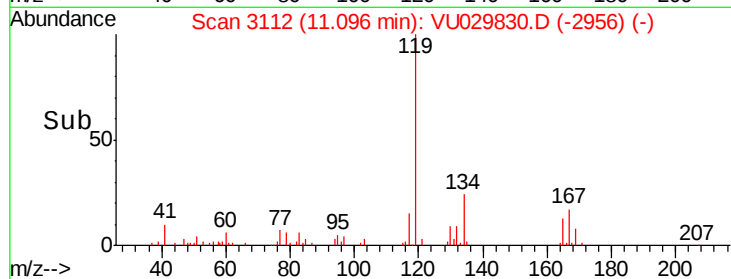
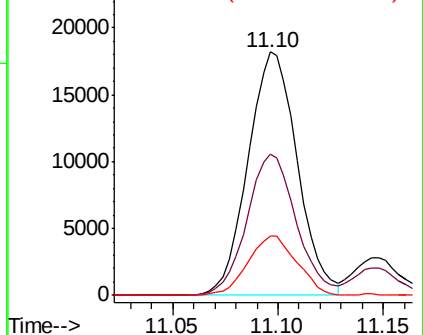
#77
 tert-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:119 Resp: 29608
 Ion Ratio Lower Upper
 119 100
 91 57.9 27.7 83.1
 134 24.1 18.7 28.1

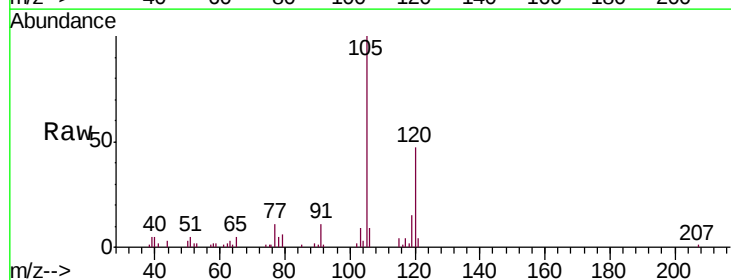


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

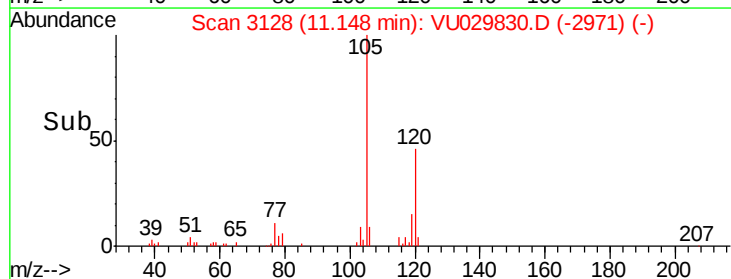
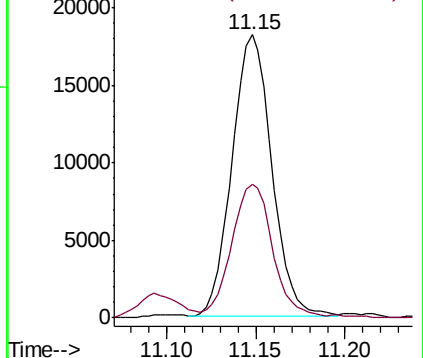


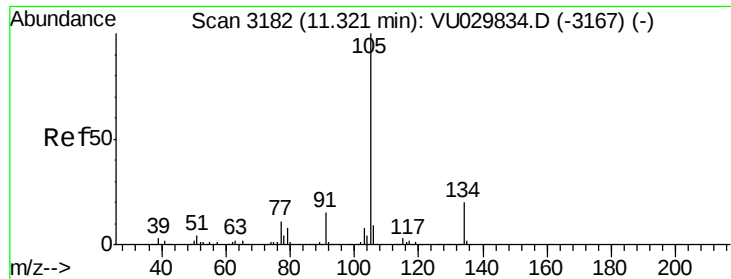
#78
 1,2,4-Trimethylbenzene
 Concen: 0.404 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion:105 Resp: 28203
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.5 70.5



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





#79

sec-Butylbenzene

Concen: 0.418 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

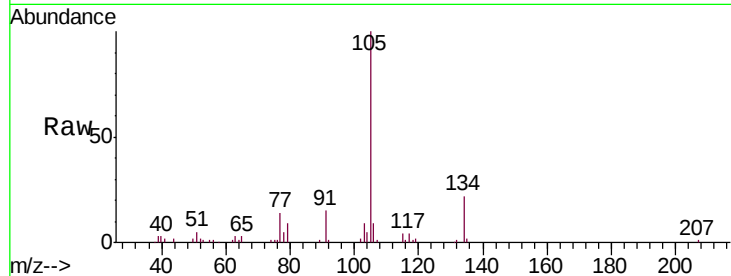
VSTDIC0.5

Tgt Ion:105 Resp: 37789

Ion Ratio Lower Upper

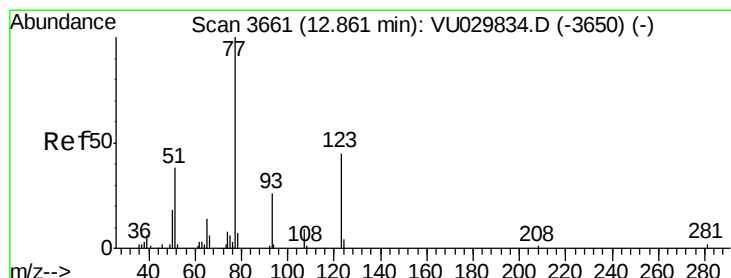
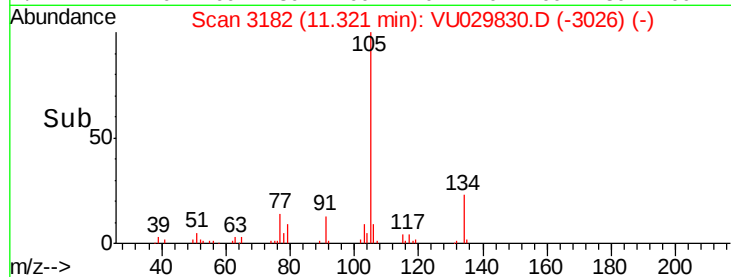
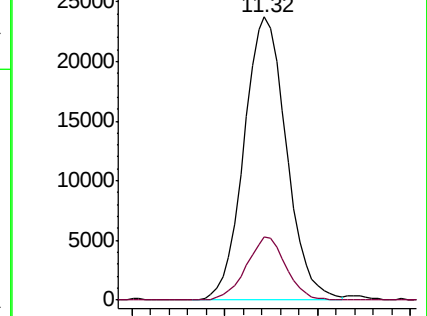
105 100

134 20.8 16.3 24.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.720 ug/l

RT: 12.90 min Scan# 3672

Delta R.T. 0.04 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

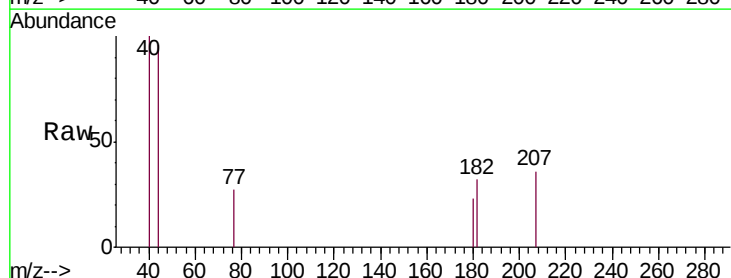
Tgt Ion: 77 Resp: 229

Ion Ratio Lower Upper

77 100

123 0.0 20.2 71.4#

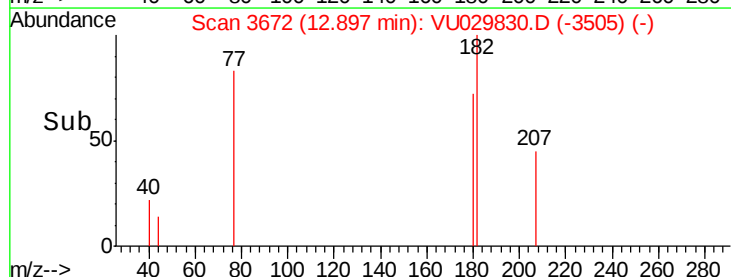
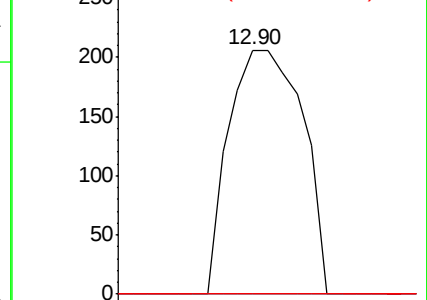
65 0.0 14.0 17.8#

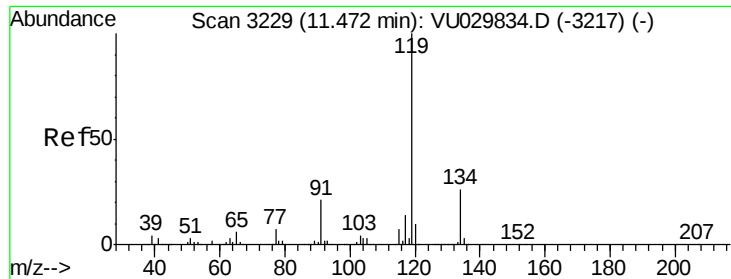


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

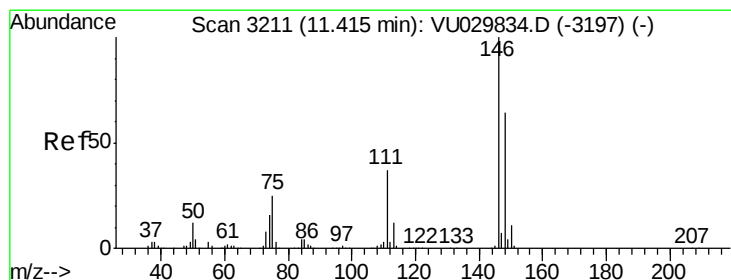
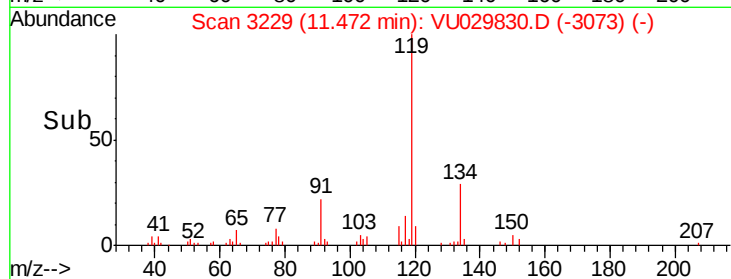
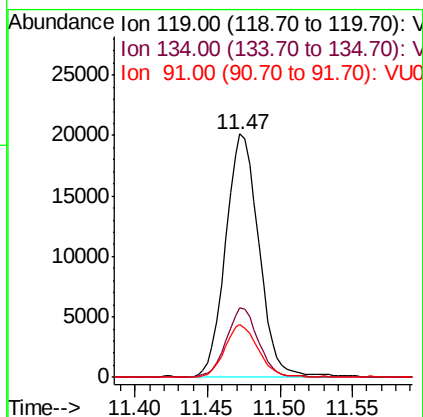
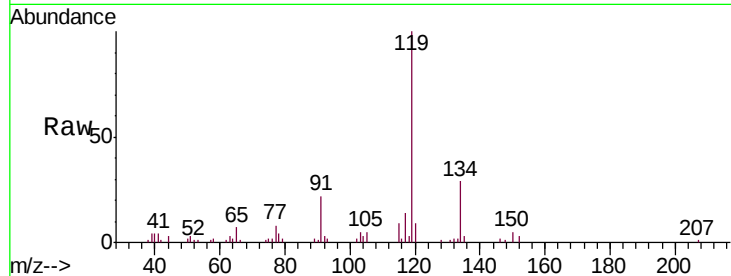




#81
p-Isopropyltoluene
Concen: 0.424 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

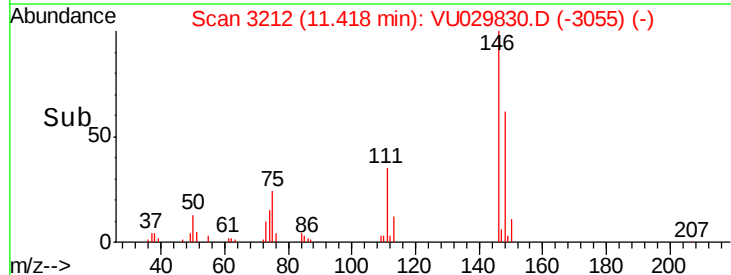
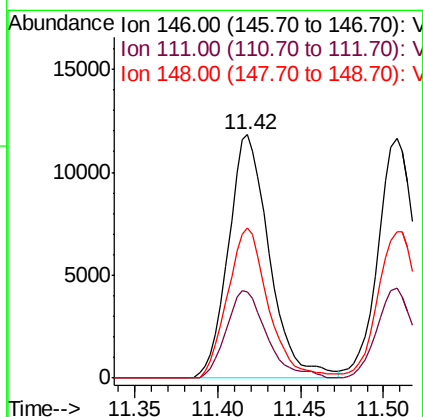
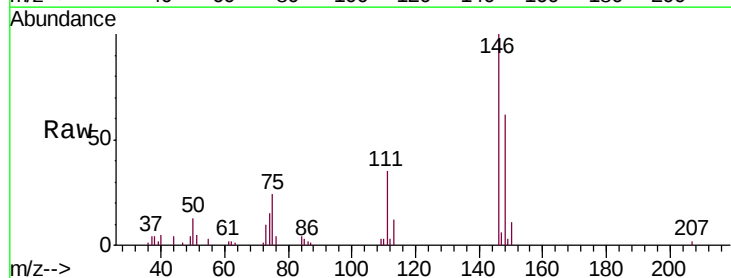
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

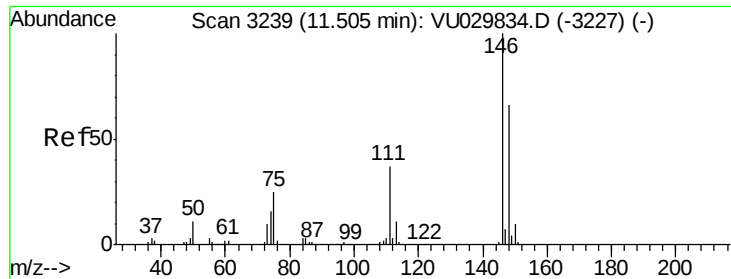
Tgt Ion:119 Resp: 32098
Ion Ratio Lower Upper
119 100
134 27.2 21.2 31.8
91 21.3 17.2 25.8



#82
1,3-Dichlorobenzene
Concen: 0.473 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:146 Resp: 20326
Ion Ratio Lower Upper
146 100
111 35.4 30.2 45.4
148 61.4 51.2 76.8





#83

1,4-Dichlorobenzene

Concen: 0.468 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

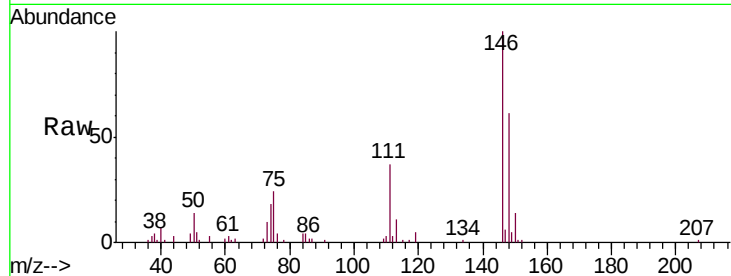
Tgt Ion:146 Resp: 19642

Ion Ratio Lower Upper

146 100

111 37.8 29.4 44.2

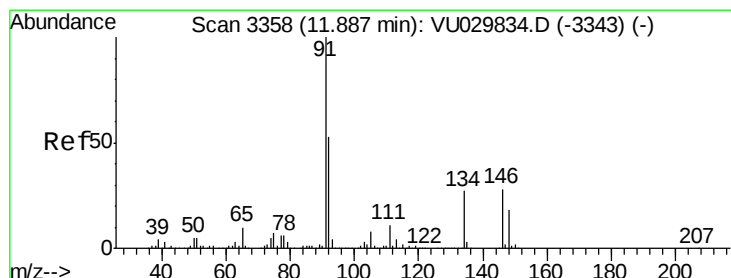
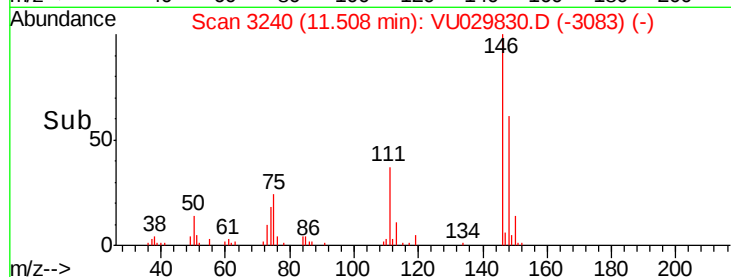
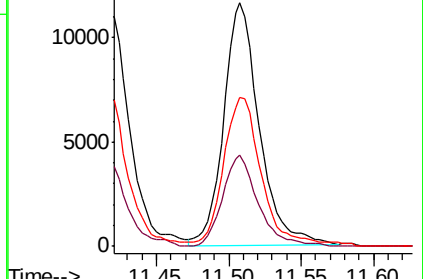
148 66.6 51.7 77.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 0.424 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

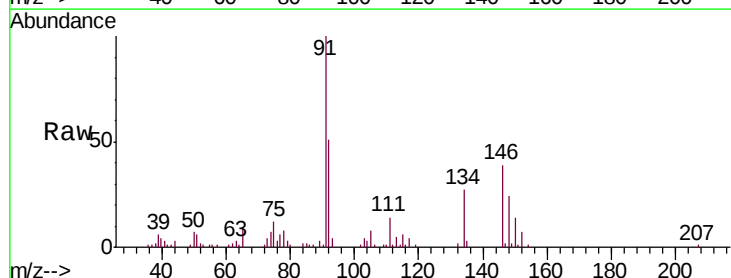
Tgt Ion: 91 Resp: 29291

Ion Ratio Lower Upper

91 100

92 50.2 42.6 63.8

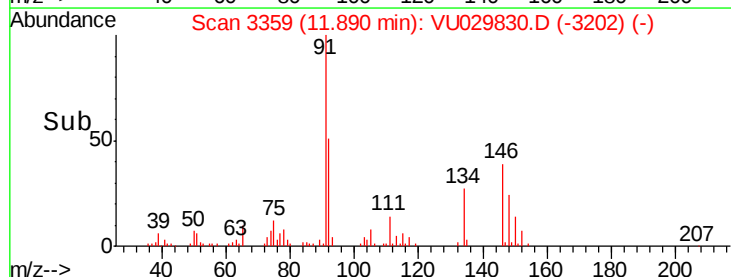
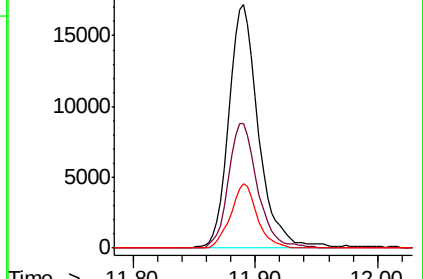
134 23.6 21.7 32.5

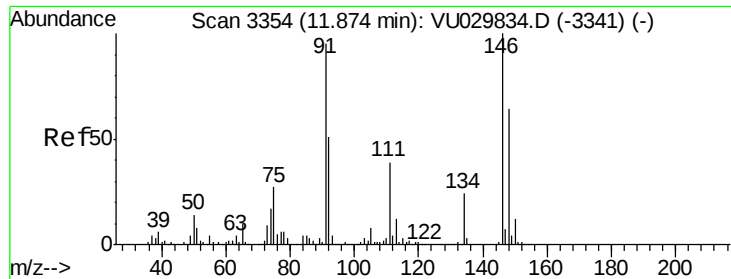


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

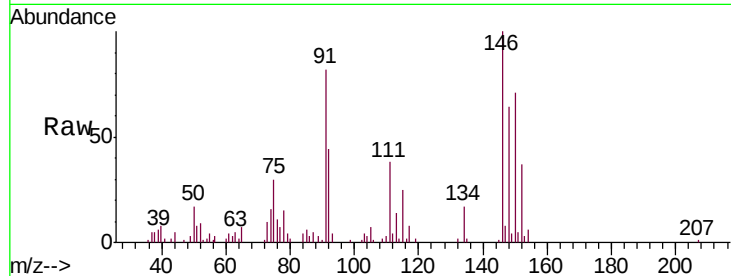




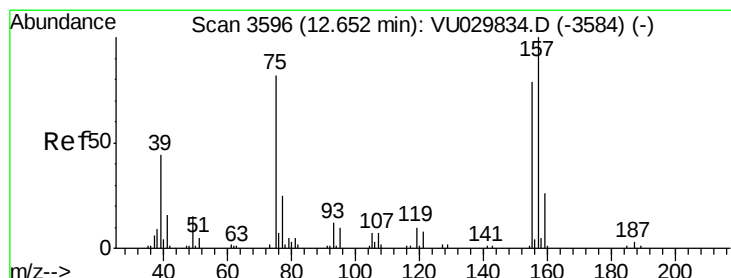
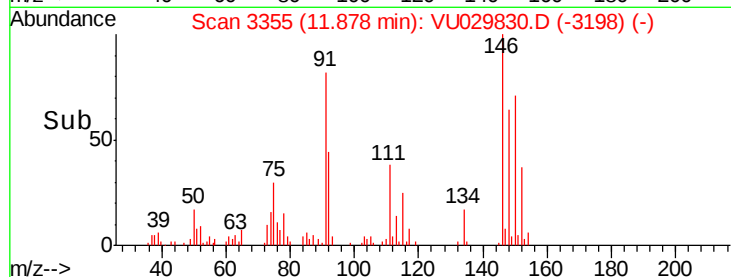
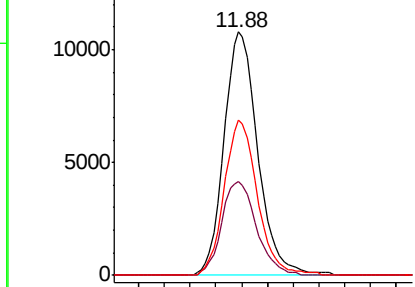
#85
 1,2-Dichlorobenzene
 Concen: 0.484 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:146 Resp: 19609
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.6
 148 62.5 32.1 96.3

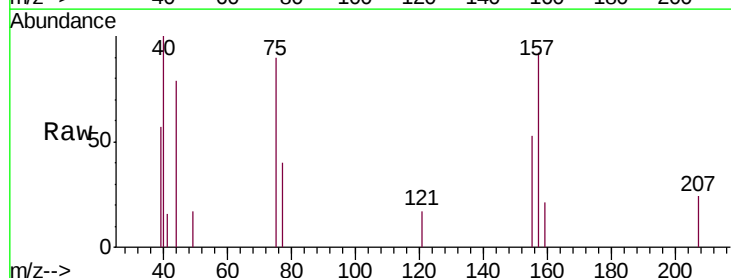


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

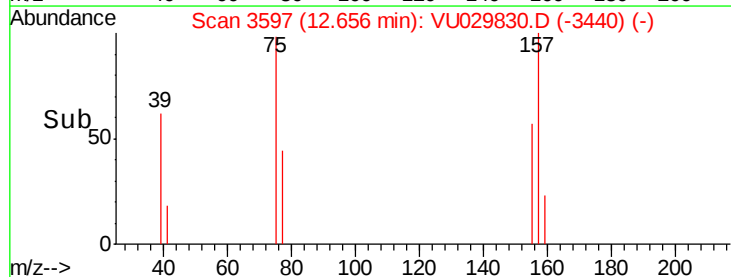
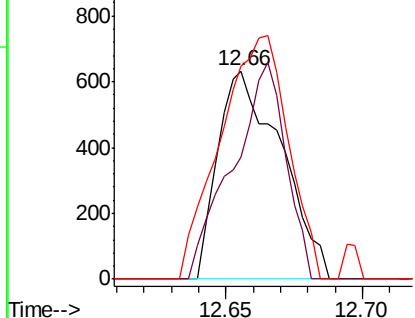


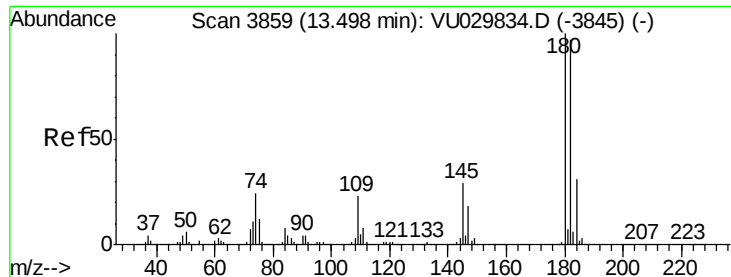
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.430 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 75 Resp: 1023
 Ion Ratio Lower Upper
 75 100
 155 86.8 76.6 114.8
 157 124.8 96.2 144.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#87

1,2,4-Trichlorobenzene

Concen: 0.402 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

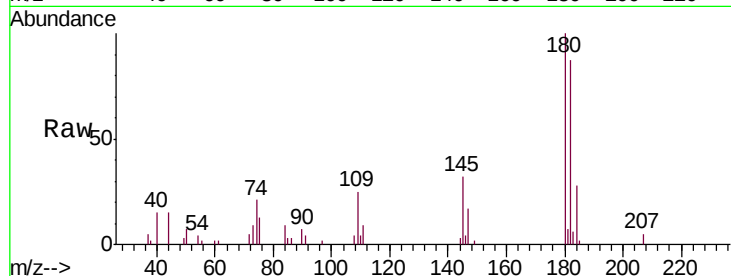
Tgt Ion:180 Resp: 10415

Ion Ratio Lower Upper

180 100

182 93.0 77.5 116.3

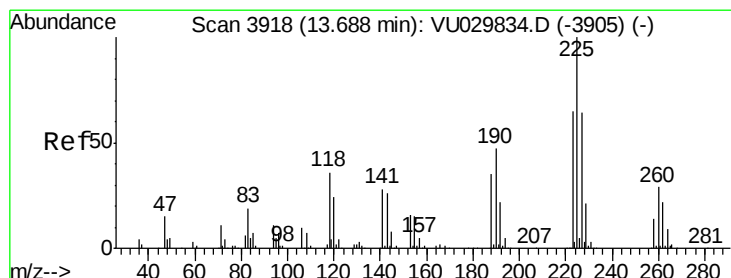
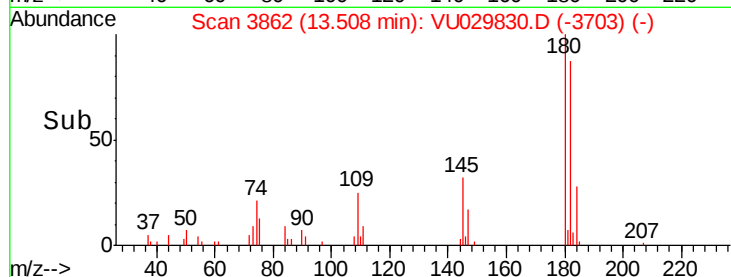
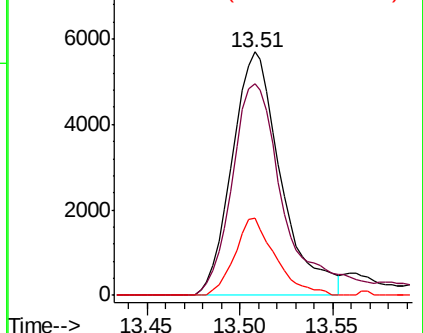
145 26.4 23.6 35.4



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 0.476 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

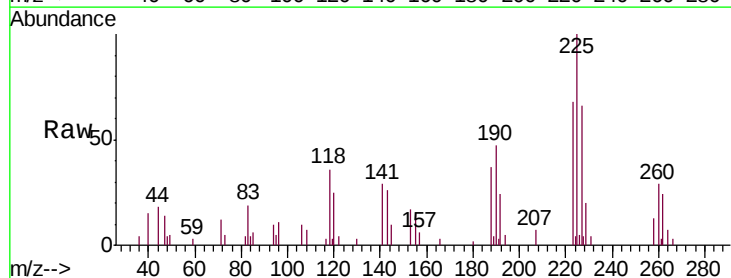
Tgt Ion:225 Resp: 7772

Ion Ratio Lower Upper

225 100

223 66.6 51.2 76.8

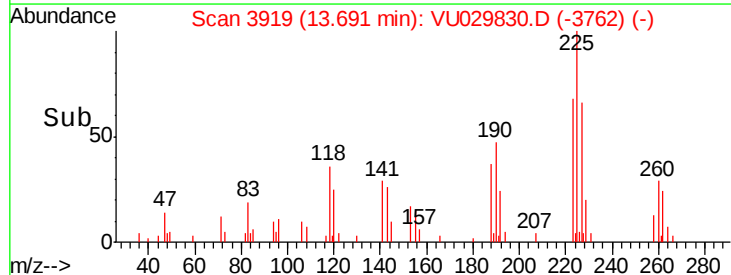
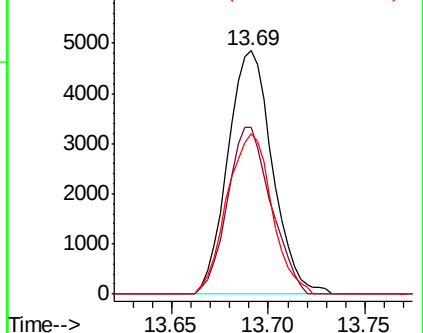
227 66.3 50.9 76.3

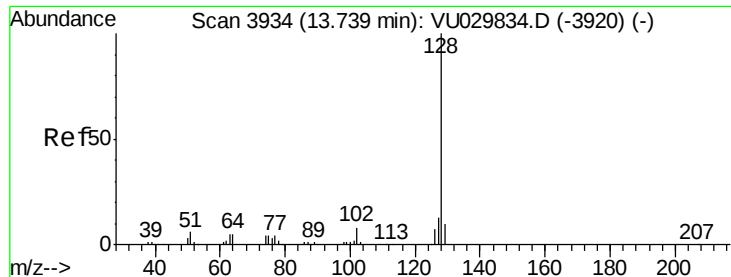


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

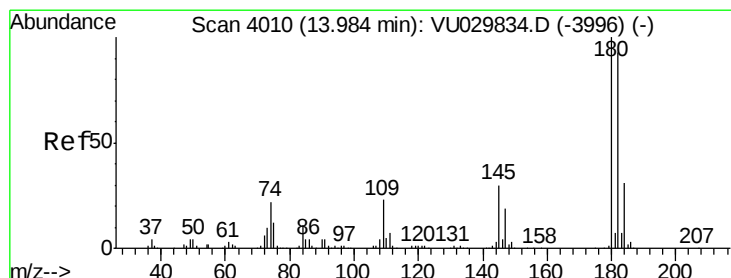
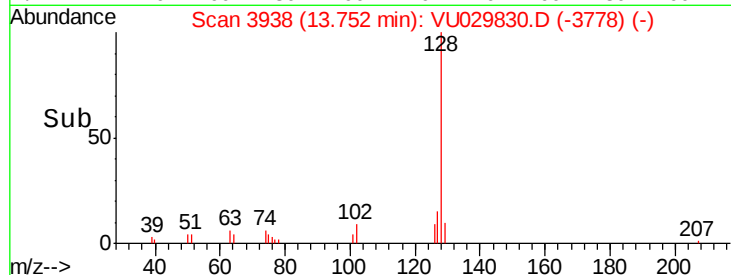
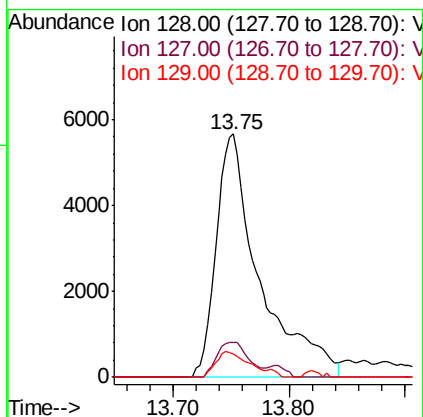
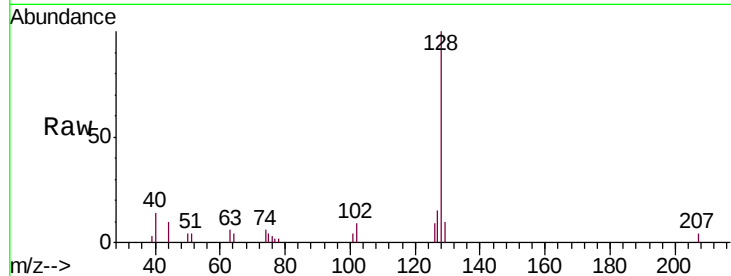




#89
Naphthalene
Concen: 0.357 ug/l
RT: 13.75 min Scan# 3938
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 14786
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.4
129 7.6 8.2 12.4#



#90
1,2,3-Trichlorobenzene
Concen: 0.393 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:180 Resp: 9567
Ion Ratio Lower Upper
180 100
182 106.5 74.8 112.2
145 31.3 24.6 36.8

