

Data File : VU030615.D
Acq On : 02 Apr 2019 22:08
Operator : JC/SP
Sample : VSTDIC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Quant Time: Apr 03 01:58:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U040219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	34562	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	10458	0.82	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11321	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7604	0.584 ug/l	91
3) Chloromethane	1.33	50	9171	0.621 ug/l	96
4) Vinyl Chloride	1.40	62	8615	0.661 ug/l	94
5) Bromomethane	1.63	94	4516	0.629 ug/l	99
6) Chloroethane	1.70	64	4751	0.636 ug/l	99
7) Trichlorofluoromethane	1.88	101	9417	0.566 ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4908	0.551 ug/l	95
9) 1,1-Dichloroethene	2.28	96	4587	0.522 ug/l	77
10) Iodomethane	2.41	142	5913	0.720 ug/l	96
11) Allyl Chloride	2.59	41	9794	0.717 ug/l	93
12) Acrylonitrile	2.94	53	3145	1.518 ug/l #	90
13) Acetone	2.32	43	8490	4.646 ug/l	99
14) Carbon Disulfide	2.47	76	18492	0.600 ug/l	98
15) Methylene Chloride	2.69	84	7579	0.718 ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	5473	0.542 ug/l	96
17) 1,1-Dichloroethane	3.44	63	11289	0.637 ug/l	96
18) 2-Butanone	4.29	43	9030	3.546 ug/l	97
19) Cyclohexane	4.99	56	7541	0.497 ug/l	93
20) Methylcyclohexane	6.41	83	6777	0.425 ug/l	94
21) 2,2-Dichloropropane	4.22	77	8674	0.588 ug/l	95
23) Diethyl Ether	2.11	59	4736	0.682 ug/l	95
24) tert-Butyl Alcohol	2.83	59	5476	7.122 ug/l	95
25) Methyl tert-Butyl Ether	3.00	73	14963	0.649 ug/l	99
26) Bromochloromethane	4.55	128	2420	0.495 ug/l	96
27) Chloroform	4.67	83	10194	0.556 ug/l	100
28) 1,1,1-Trichloroethane	4.90	97	8420	0.561 ug/l	94
29) 1,1-Dichloropropene	5.14	75	6968	0.511 ug/l	96
30) Carbon Tetrachloride	5.13	117	7715	0.577 ug/l	97
31) Isopropyl Ether	3.58	45	18599	0.717 ug/l	96
32) Ethyl-t-butyl ether	4.08	59	14617	0.608 ug/l #	64
33) Tert-Amyl methyl ether	5.58	73	10997	0.510 ug/l	97
34) Propionitrile	4.34	54	545	0.783 ug/l #	35
35) Benzene	5.39	78	20919	0.525 ug/l	95
36) 1,2-Dichloroethane	5.41	62	6654	0.601 ug/l #	91
37) Trichloroethene	6.19	130	5424	0.487 ug/l	92
38) 1,2-Dichloropropane	6.44	63	6671	0.643 ug/l #	84
39) Methacrylonitrile	4.57	41	2376	0.764 ug/l #	75
41) Tetrahydrofuran	4.66	42	2914	1.698 ug/l #	71
42) 1-Chlorobutane	5.06	56	11285	0.612 ug/l	99
43) Dibromomethane	6.56	93	2716	0.514 ug/l	87
44) Bromodichloromethane	6.76	83	7518	0.591 ug/l #	97

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VSTDIC001

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.47	43	18519	3.234	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	3383	1.620	ug/l #	74
47) Methyl methacrylate	6.64	69	4073	0.896	ug/l #	89
48) Ethyl methacrylate	8.03	69	4086	0.485	ug/l	92
49) Toluene	7.64	92	10720	0.453	ug/l	87
50) t-1,3-Dichloropropene	7.89	75	6021	0.530	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	7409	0.524	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	4267	0.574	ug/l #	91
53) 1,3-Dichloropropane	8.24	76	7026	0.557	ug/l	98
54) 2-Hexanone	8.38	43	10827	2.665	ug/l	95
55) Dibromochloromethane	8.48	129	4261	0.482	ug/l	93
56) 1,2-Dibromoethane	8.59	107	3411	0.481	ug/l	92
58) Tetrachloroethene	8.22	164	4399	0.438	ug/l #	85
59) Chlorobenzene	9.12	112	12719	0.476	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.21	131	4743	0.498	ug/l	96
61) Pentachloroethane	11.10	117	3426	0.466	ug/l	98
62) Hexachloroethane	12.14	117	3326	0.457	ug/l	93
63) Ethyl Benzene	9.25	91	18490	0.416	ug/l	99
64) m/p-Xylenes	9.37	106	12342	0.718	ug/l	92
65) o-Xylene	9.78	106	6494	0.386	ug/l	94
66) Styrene	9.80	104	11099	0.399	ug/l	97
67) Bromoform	9.96	173	2556	0.510	ug/l #	88
69) Isopropylbenzene	10.16	105	17348	0.393	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	5325	0.573	ug/l	87
71) 1,2,3-Trichloropropane	10.49	75	3383	0.484	ug/l #	94
72) Bromobenzene	10.45	156	4723	0.414	ug/l	95
73) n-propylbenzene	10.58	120	4610	0.372	ug/l	96
74) 2-Chlorotoluene	10.66	126	4371	0.402	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	13647	0.363	ug/l	96
76) 4-Chlorotoluene	10.77	126	4279	0.386	ug/l	93
77) tert-Butylbenzene	11.10	119	15084	0.412	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	14534	0.380	ug/l	100
79) sec-Butylbenzene	11.32	105	20230	0.412	ug/l	99
80) Nitrobenzene	12.84	77	56	0.287	ug/l #	45
81) p-Isopropyltoluene	11.47	119	14553	0.356	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	9636	0.420	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	8988	0.389	ug/l	97
84) n-Butylbenzene	11.89	91	14738	0.380	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	9292	0.434	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	559	0.413	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.51	180	5175	0.343	ug/l	93
88) Hexachlorobutadiene	13.69	225	3194	0.387	ug/l	93
89) Naphthalene	13.75	128	7716	0.323	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	4797	0.347	ug/l	99

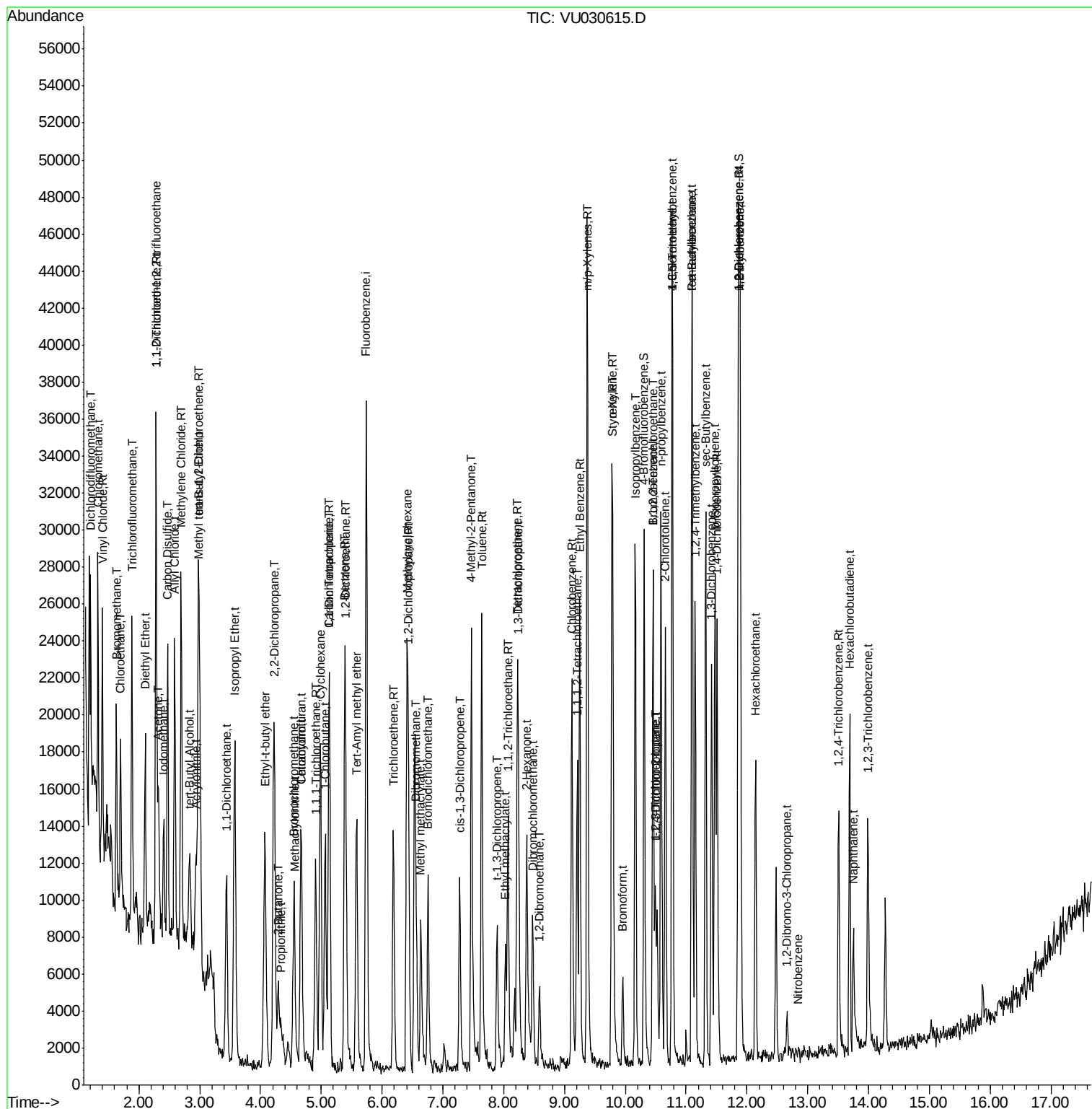
(#) = qualifier out of range (m) = manual integration (+) = signals summed

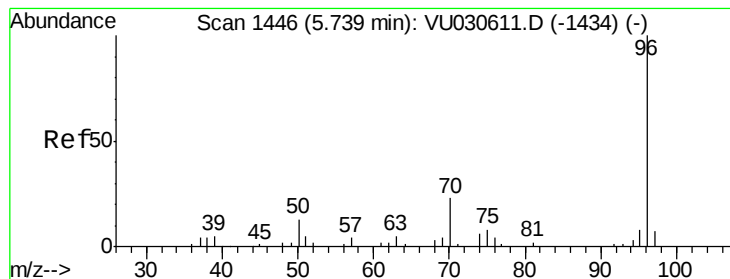
Data File : VU030615.D

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ClientSampleId :
VSTDICC001

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 34562

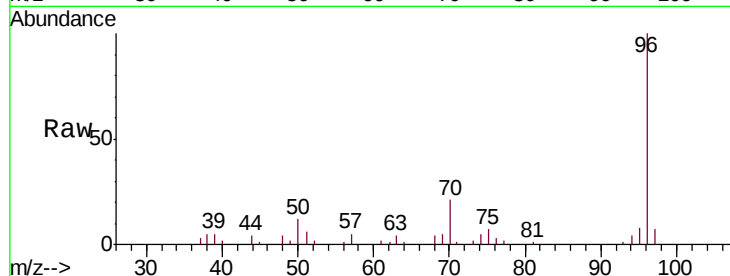
Ion Ratio Lower Upper

96 100

70 20.6 18.5 27.7

95 8.8 0.0 0.0#

97 6.8 0.0 0.0#

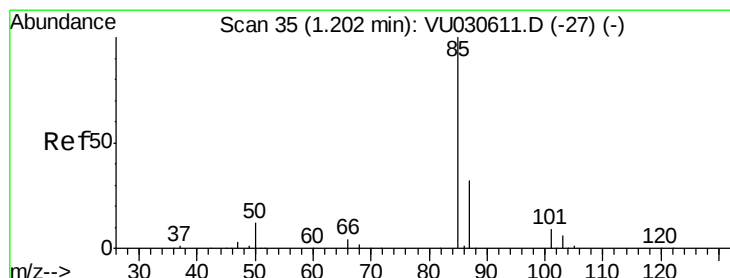
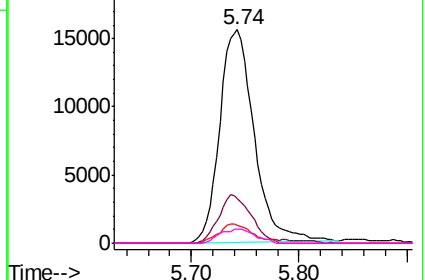
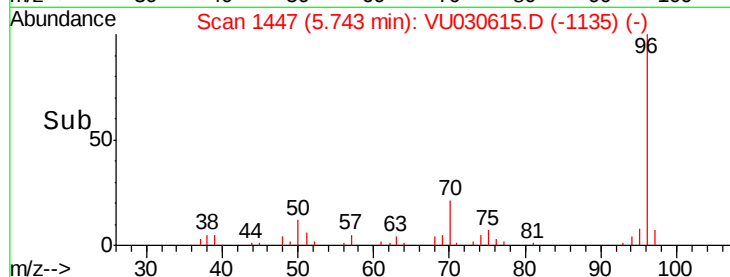


Abundance Ion 96.00 (95.70 to 96.70): VU030611.D (-1434) (-)

Ion 70.00 (69.70 to 70.70): VU030611.D (-1434) (-)

Ion 95.00 (94.70 to 95.70): VU030611.D (-1434) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-1434) (-)



#2

Dichlorodifluoromethane

Concen: 0.584 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030615.D

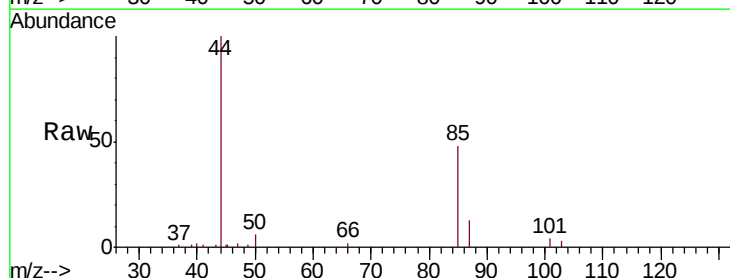
Acq: 02 Apr 2019 22:08

Tgt Ion: 85 Resp: 7604

Ion Ratio Lower Upper

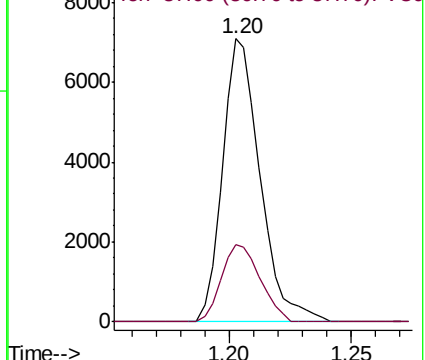
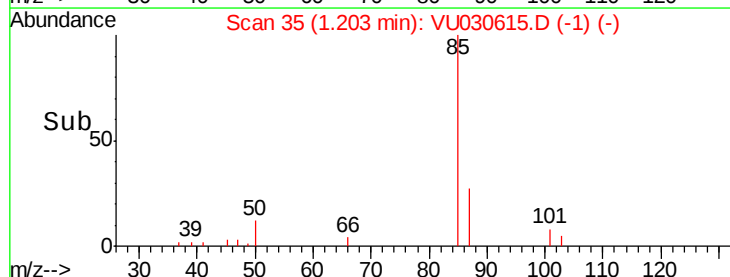
85 100

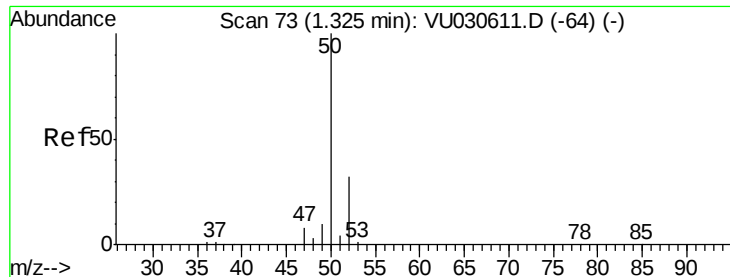
87 27.2 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU030611.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030611.D (-27) (-)





#3

Chloromethane

Concen: 0.621 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

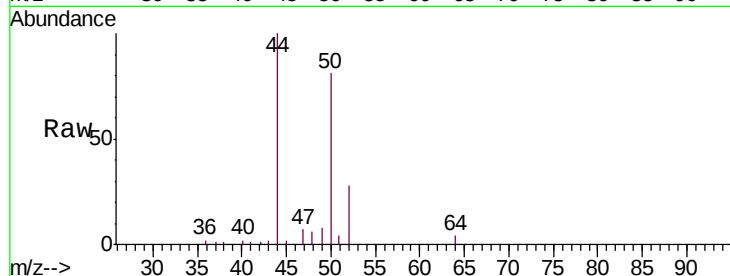
VSTDIC001

Tgt Ion: 50 Resp: 9171

Ion Ratio Lower Upper

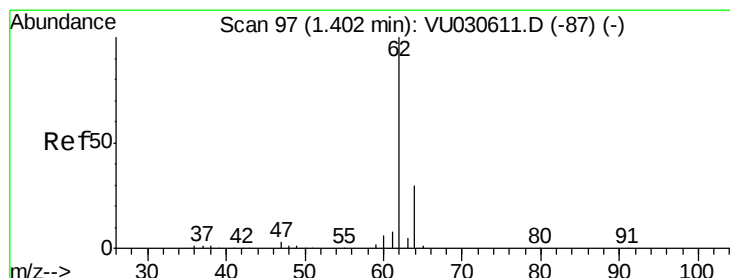
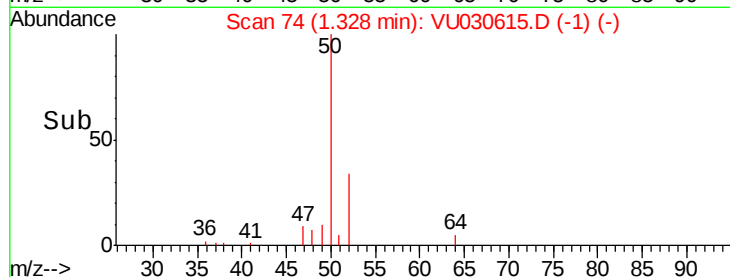
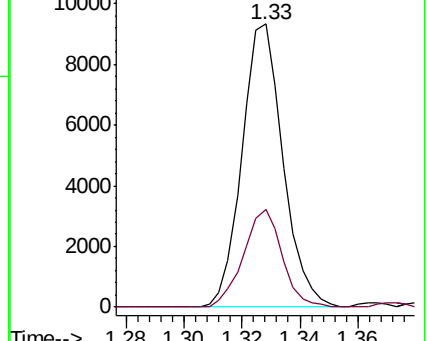
50 100

52 34.3 25.5 38.3



Abundance Ion 50.00 (49.70 to 50.70): VU030611.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU030611.D (-64) (-)



#4

Vinyl Chloride

Concen: 0.661 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030615.D

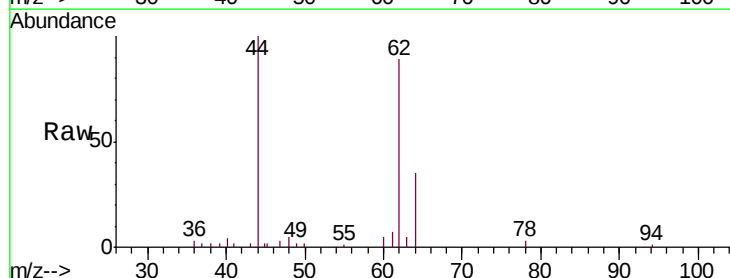
Acq: 02 Apr 2019 22:08

Tgt Ion: 62 Resp: 8615

Ion Ratio Lower Upper

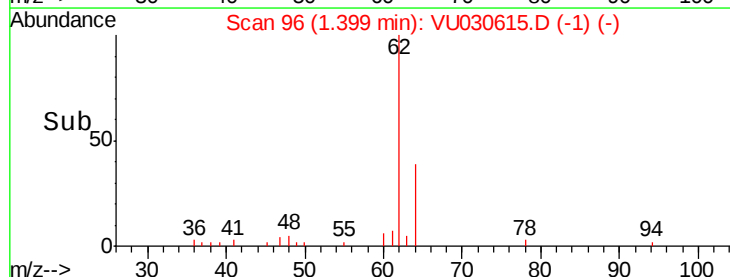
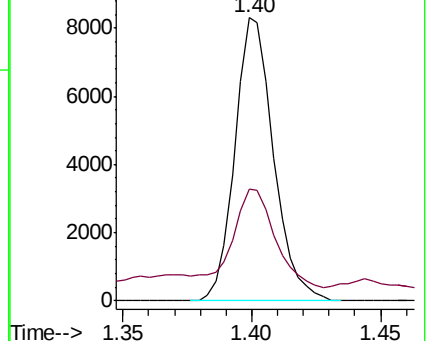
62 100

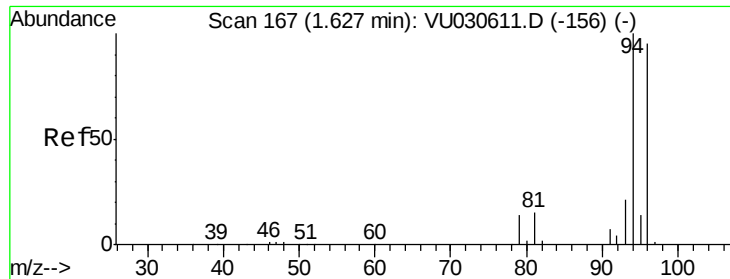
64 33.5 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030611.D (-87) (-)





#5

Bromomethane

Concen: 0.629 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

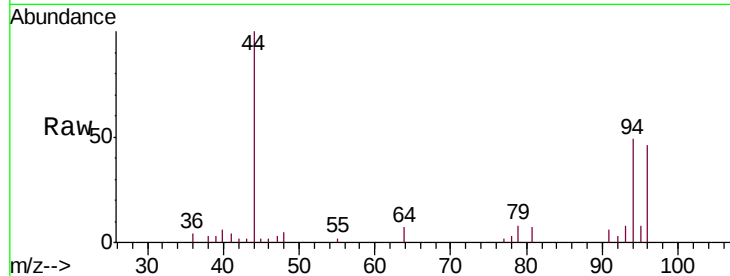
VSTDIC001

Tgt Ion: 94 Resp: 4516

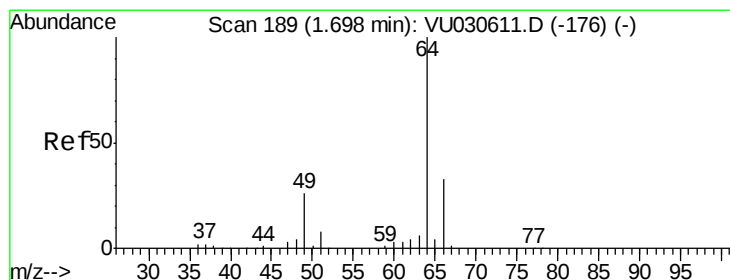
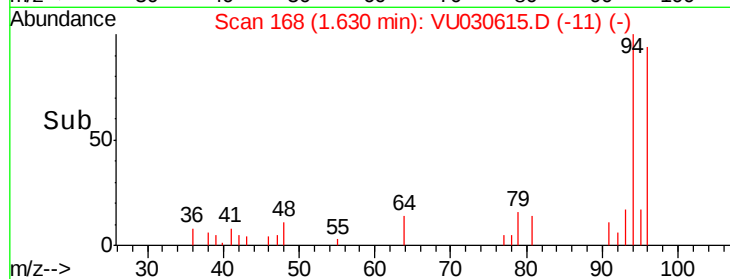
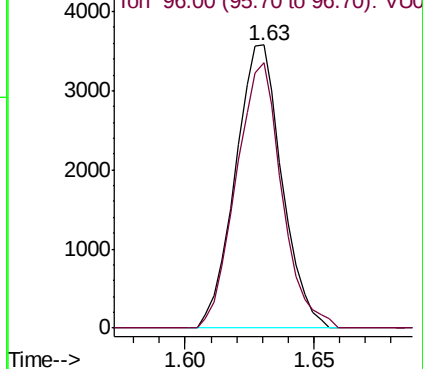
Ion Ratio Lower Upper

94 100

96 93.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VU030611.D (-156) (-)



#6

Chloroethane

Concen: 0.636 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030615.D

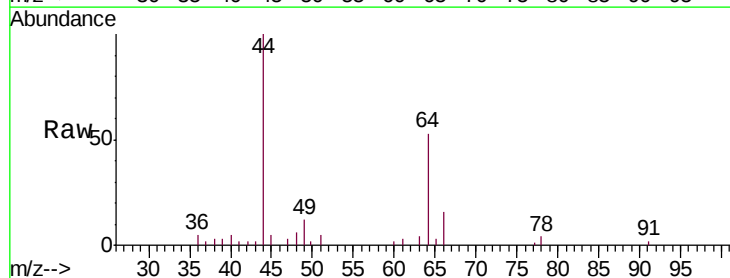
Acq: 02 Apr 2019 22:08

Tgt Ion: 64 Resp: 4751

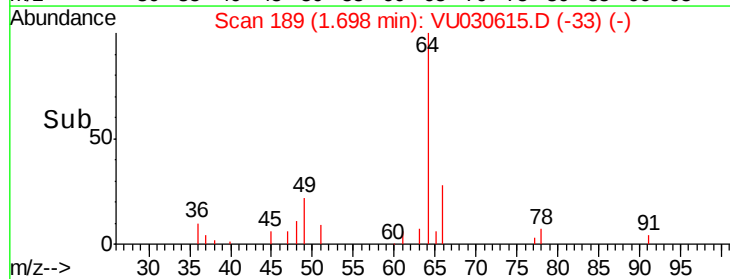
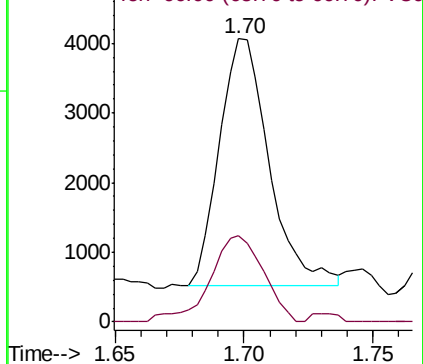
Ion Ratio Lower Upper

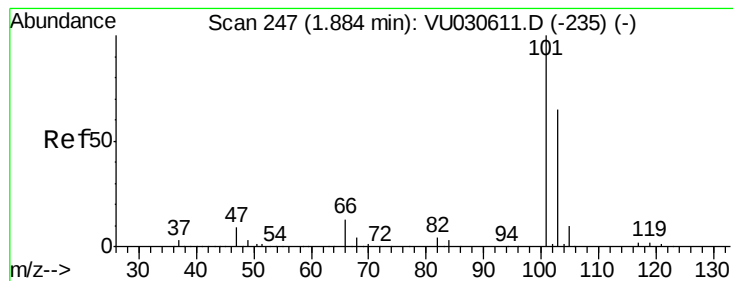
64 100

66 32.3 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU030611.D (-176) (-)





#7

Trichlorofluoromethane

Concen: 0.566 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

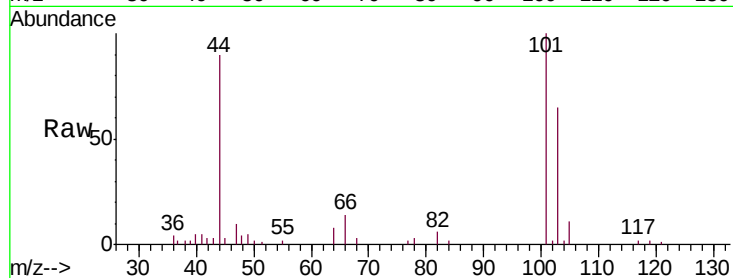
VSTDIC001

Tgt Ion:101 Resp: 9417

Ion Ratio Lower Upper

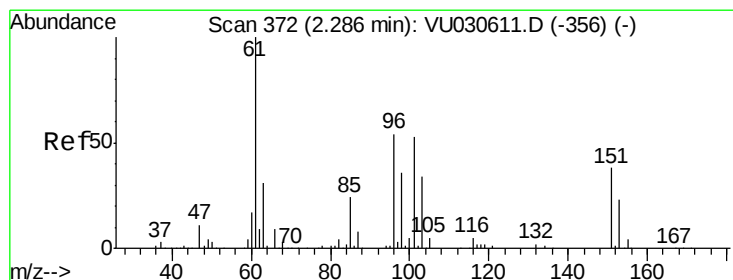
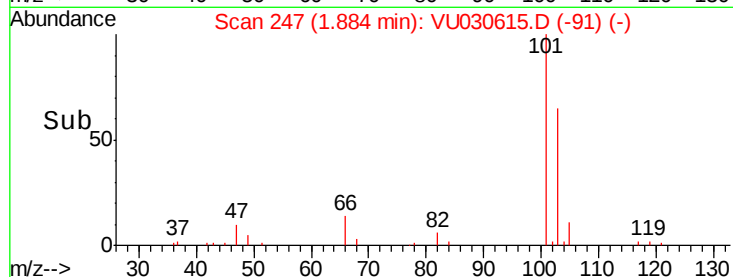
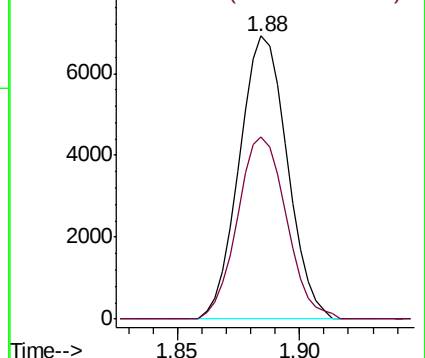
101 100

103 64.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.551 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

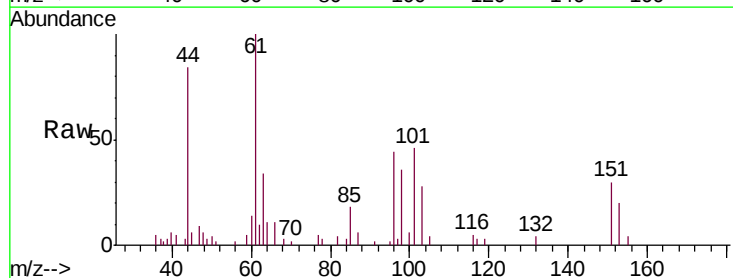
Tgt Ion:101 Resp: 4908

Ion Ratio Lower Upper

101 100

85 42.6 36.5 54.7

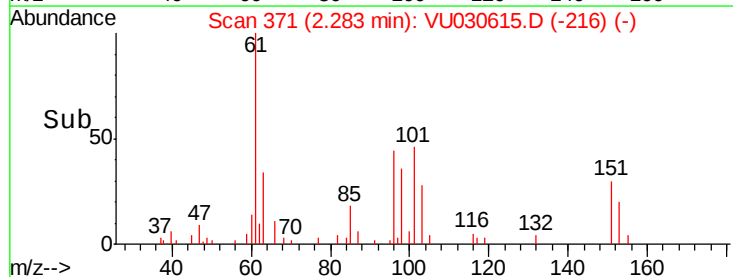
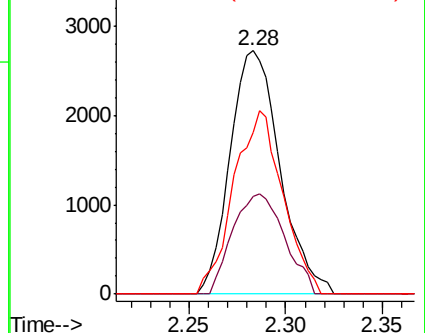
151 73.9 55.7 83.5

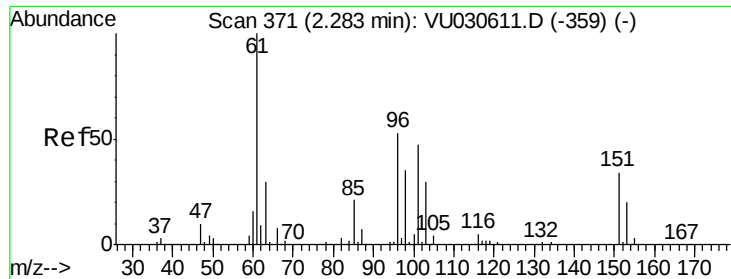


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.522 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

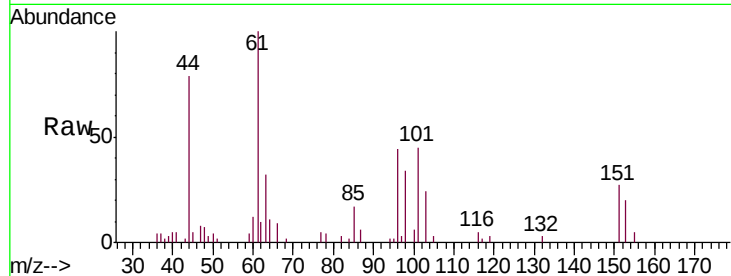
Tgt Ion: 96 Resp: 4587

Ion Ratio Lower Upper

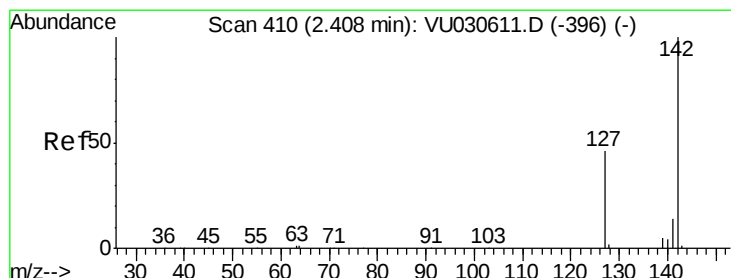
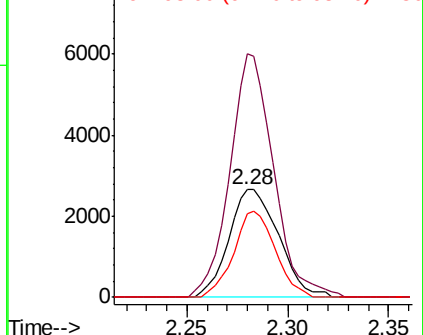
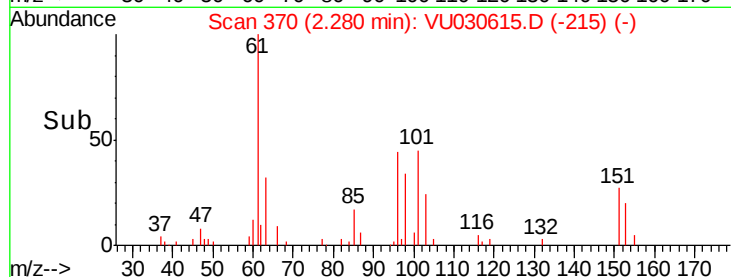
96 100

61 226.6 0.0 564.0

98 77.6 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030615.D (-215) (-)



#10

Iodomethane

Concen: 0.720 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030615.D

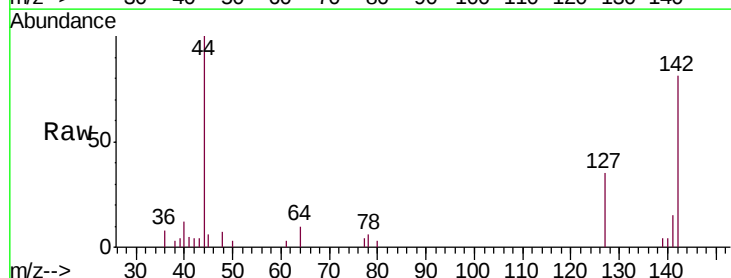
Acq: 02 Apr 2019 22:08

Tgt Ion: 142 Resp: 5913

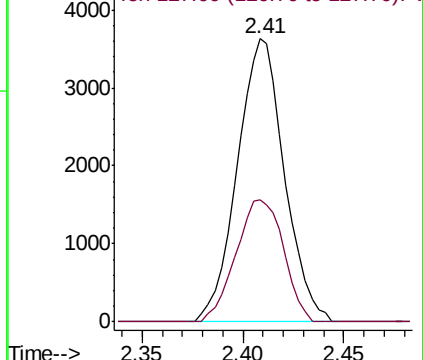
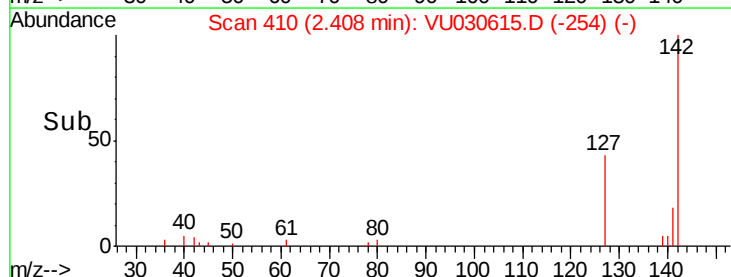
Ion Ratio Lower Upper

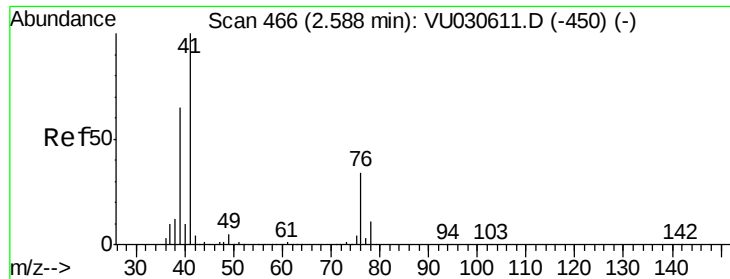
142 100

127 43.7 36.9 55.3



Abundance Ion 142.00 (141.70 to 142.70): VU030615.D (-254) (-)

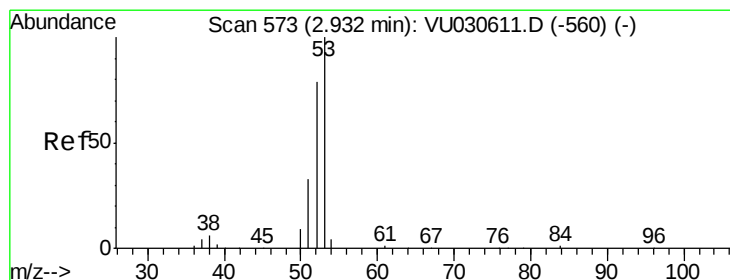
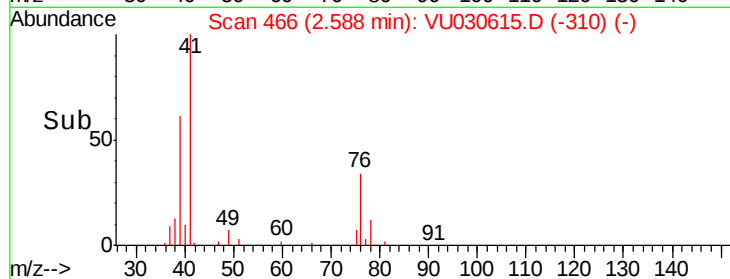
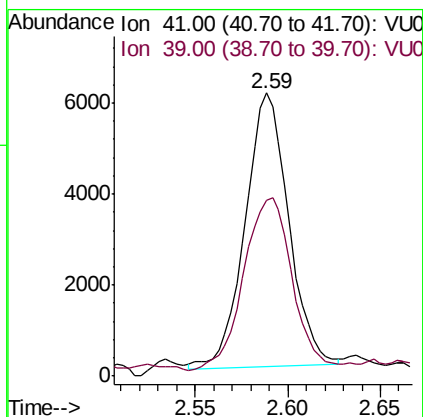
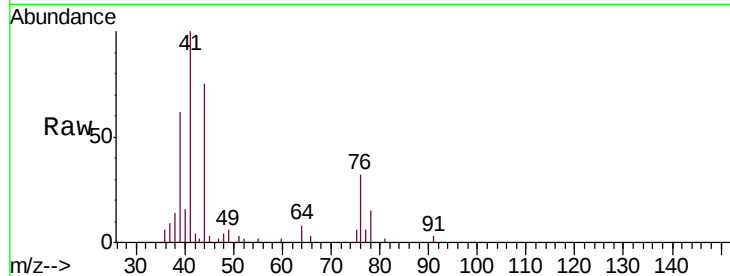




#11
 Allyl Chloride
 Concen: 0.717 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

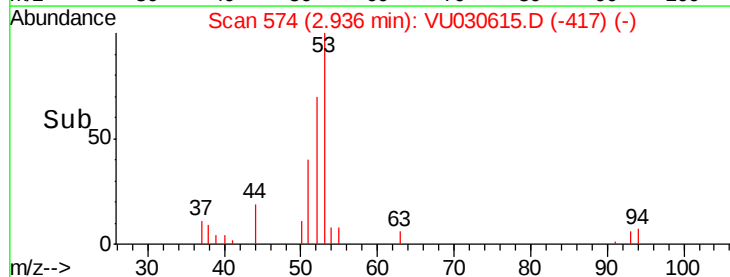
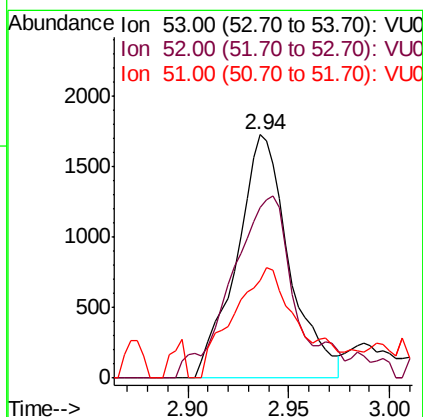
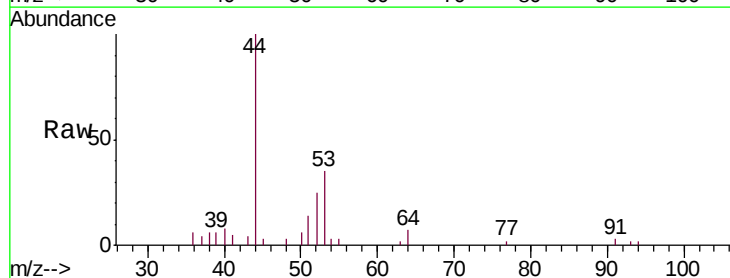
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

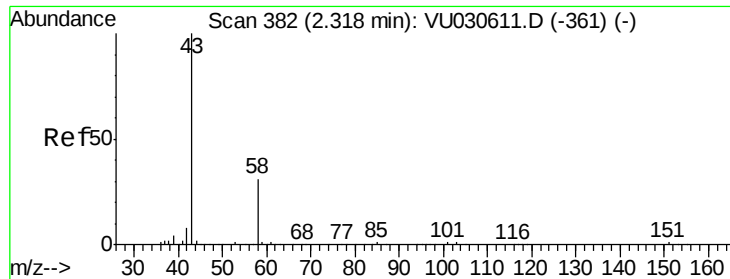
Tgt Ion: 41 Resp: 9794
 Ion Ratio Lower Upper
 41 100
 39 71.1 52.2 78.4



#12
 Acrylonitrile
 Concen: 1.518 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 53 Resp: 3145
 Ion Ratio Lower Upper
 53 100
 52 84.6 66.2 99.2
 51 50.8 27.3 40.9#





#13

Acetone

Concen: 4.646 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampled :

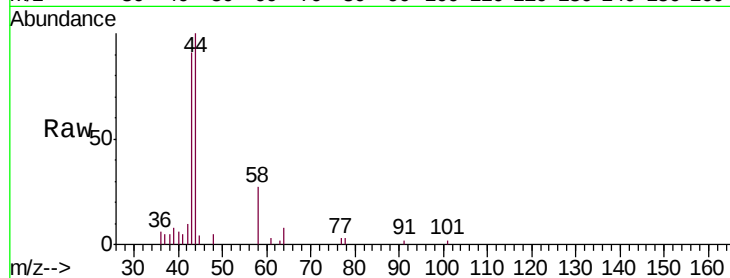
VSTDIC001

Tgt Ion: 43 Resp: 8490

Ion Ratio Lower Upper

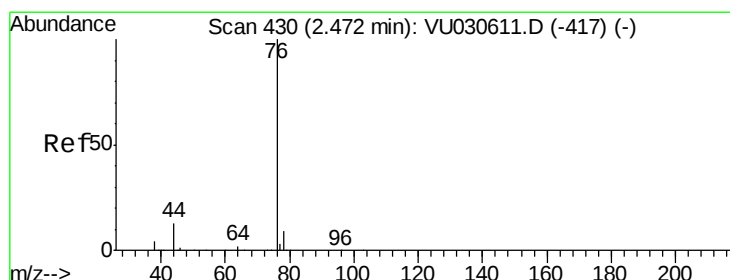
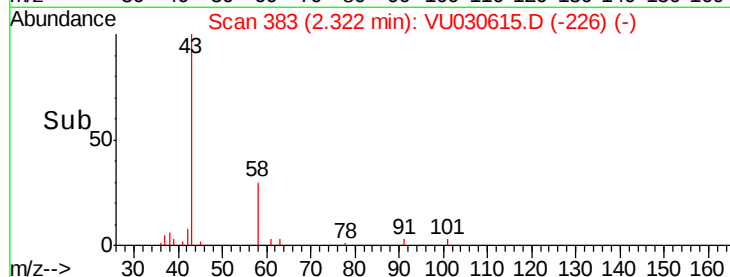
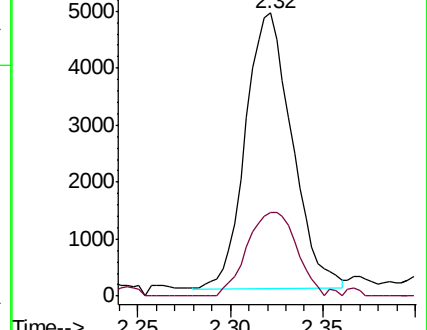
43 100

58 30.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VU030615.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU030615.D (-361) (-)



#14

Carbon Disulfide

Concen: 0.600 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030615.D

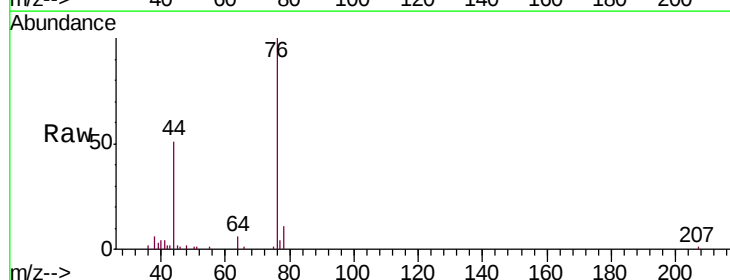
Acq: 02 Apr 2019 22:08

Tgt Ion: 76 Resp: 18492

Ion Ratio Lower Upper

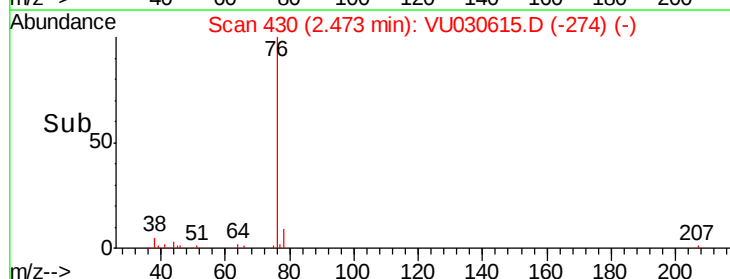
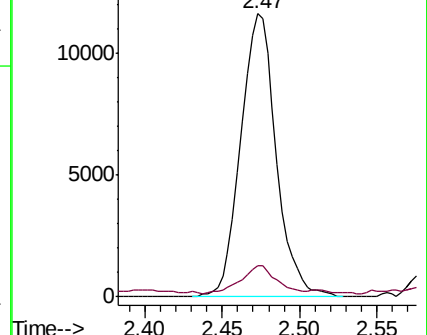
76 100

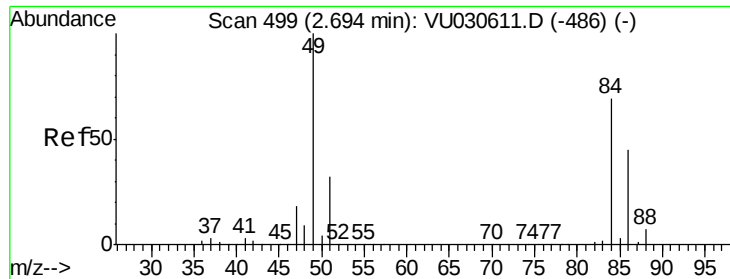
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU030615.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU030615.D (-417) (-)





#15

Methylene Chloride

Concen: 0.718 ug/l

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 84 Resp: 7579

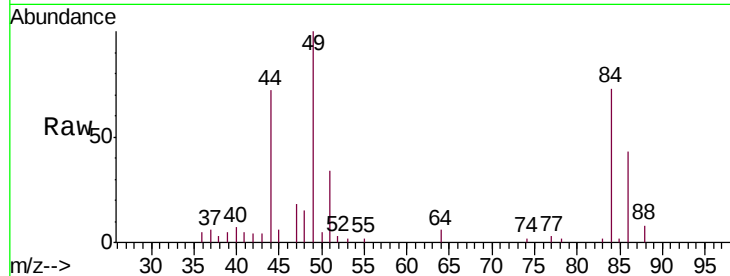
Ion Ratio Lower Upper

84 100

49 137.5 115.4 173.2

51 43.6 0.0 93.4

86 58.6 52.2 78.4

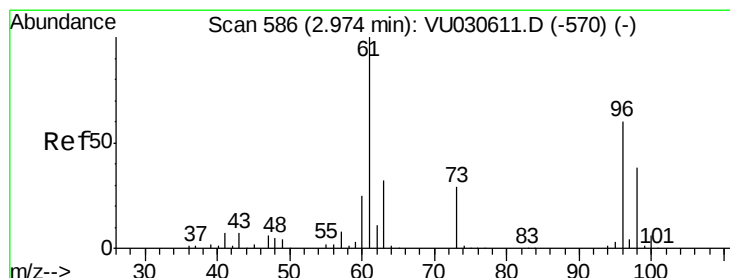
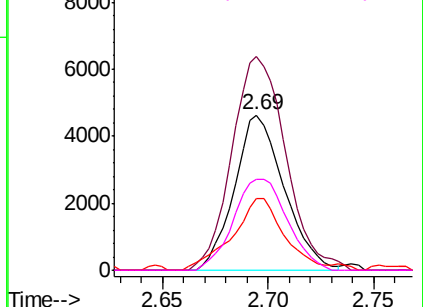
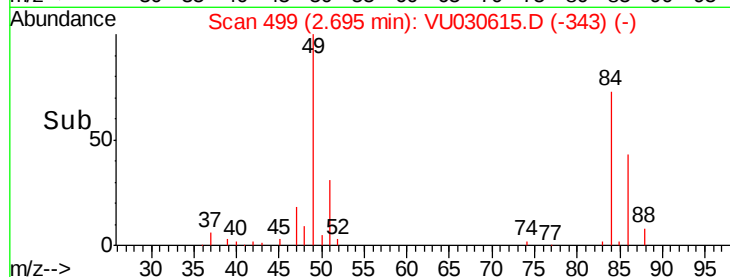


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 0.542 ug/l

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

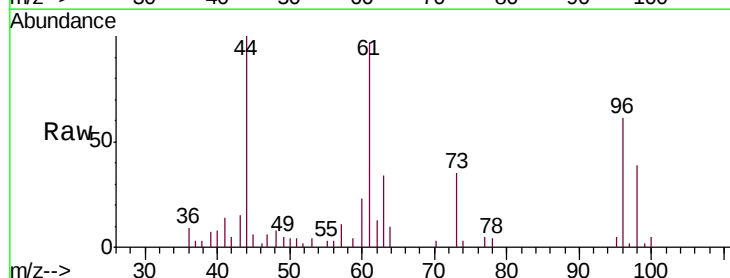
Tgt Ion: 96 Resp: 5473

Ion Ratio Lower Upper

96 100

61 158.3 132.2 198.4

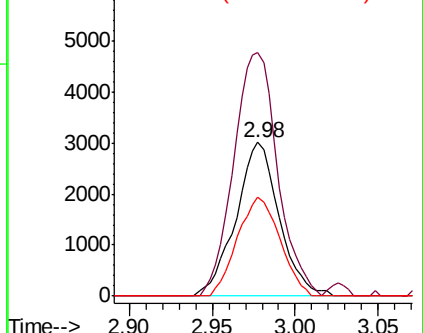
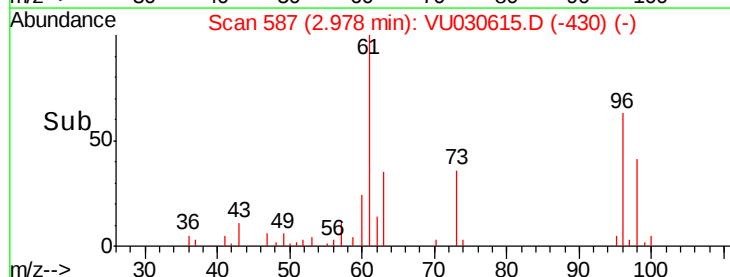
98 64.3 50.2 75.4

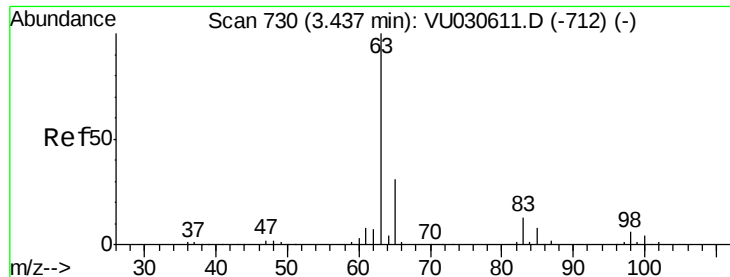


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

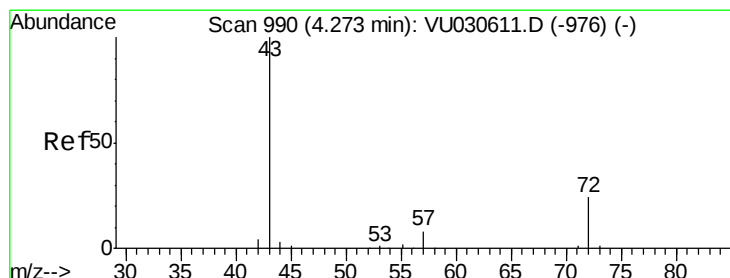
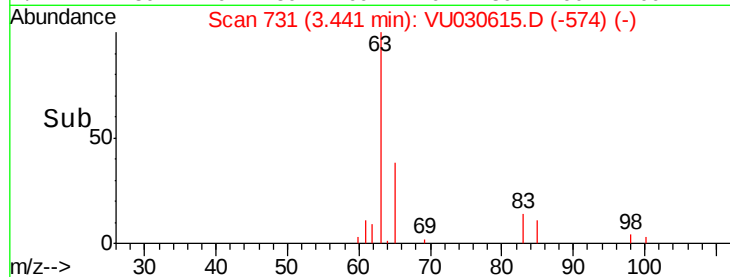
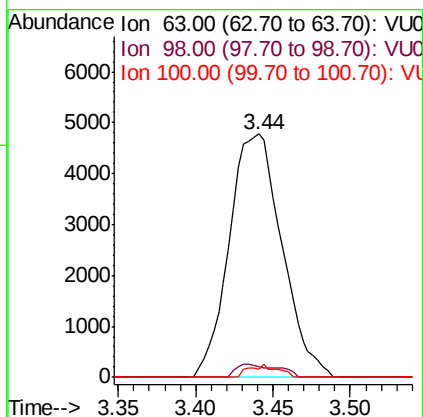
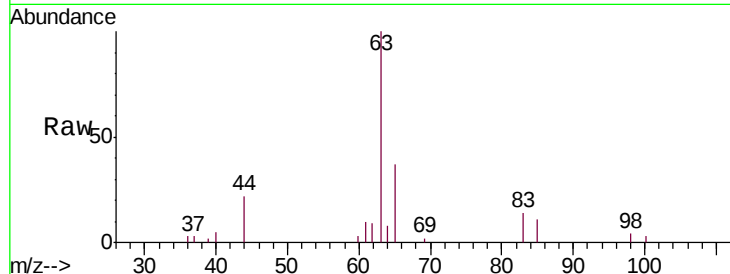




#17
 1,1-Dichloroethane
 Concen: 0.637 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

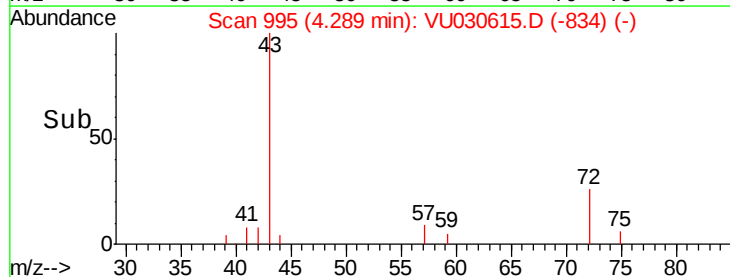
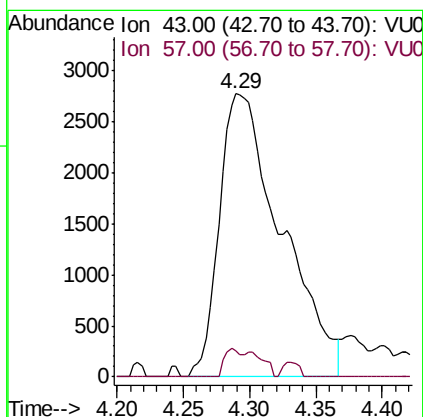
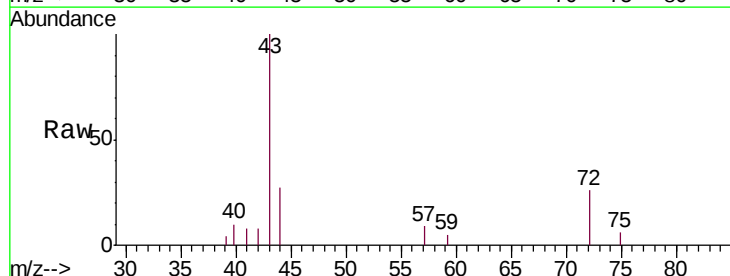
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

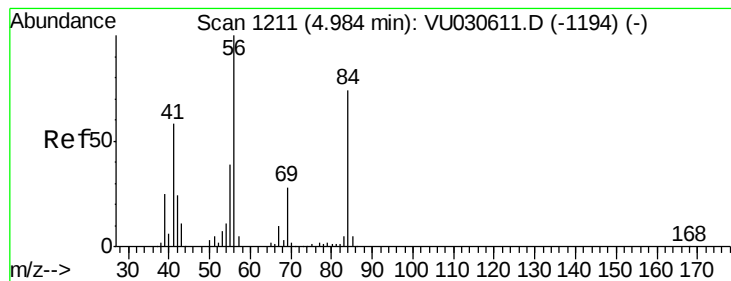
Tgt Ion: 63 Resp: 11289
 Ion Ratio Lower Upper
 63 100
 98 4.3 3.0 9.0
 100 3.1 2.0 5.8



#18
 2-Butanone
 Concen: 3.546 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 43 Resp: 9030
 Ion Ratio Lower Upper
 43 100
 57 9.1 0.0 16.4





#19

Cyclohexane

Concen: 0.497 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

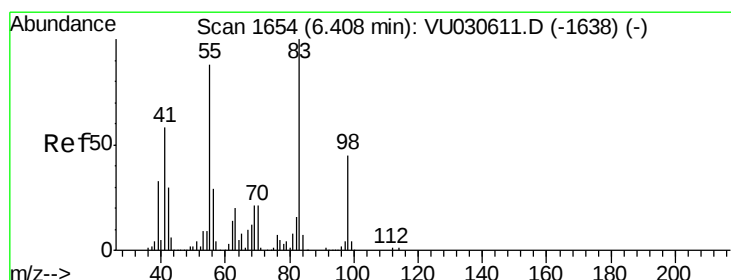
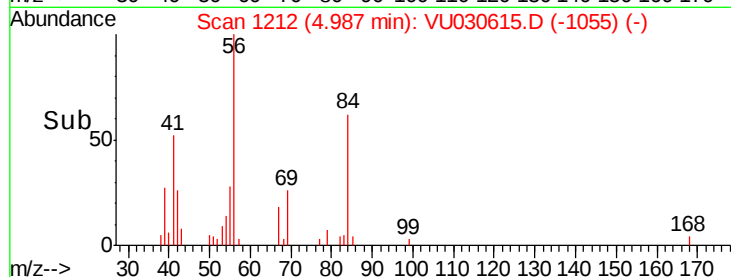
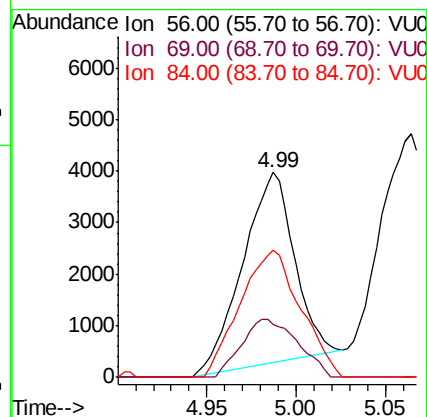
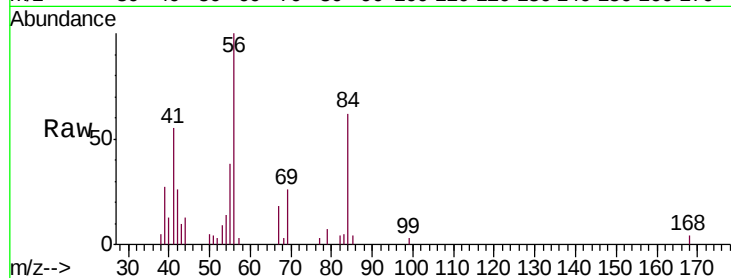
Tgt Ion: 56 Resp: 7541

Ion Ratio Lower Upper

56 100

69 32.8 22.1 33.1

84 77.1 58.1 87.1



#20

Methylcyclohexane

Concen: 0.425 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

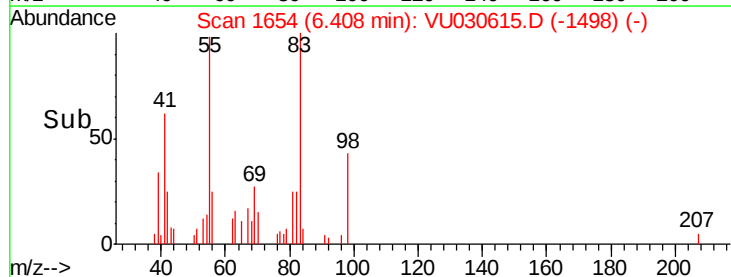
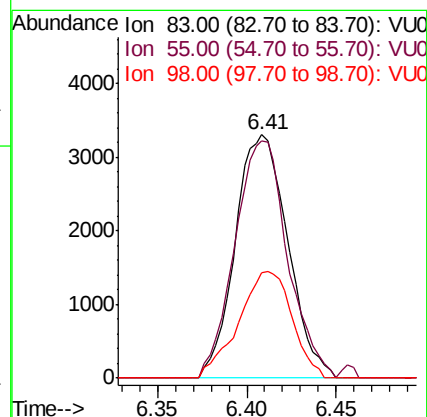
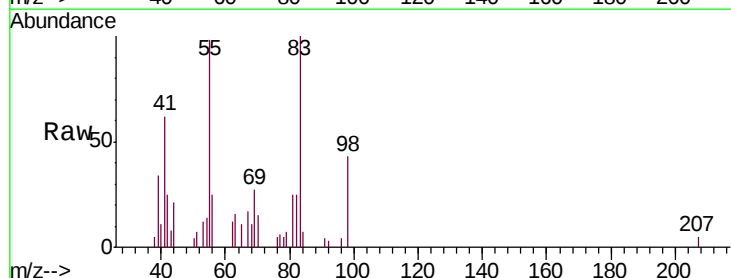
Tgt Ion: 83 Resp: 6777

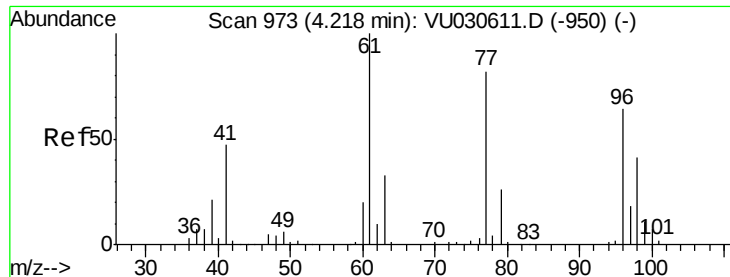
Ion Ratio Lower Upper

83 100

55 97.8 71.8 107.8

98 44.7 35.5 53.3





#21

2,2-Dichloropropane

Concen: 0.588 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

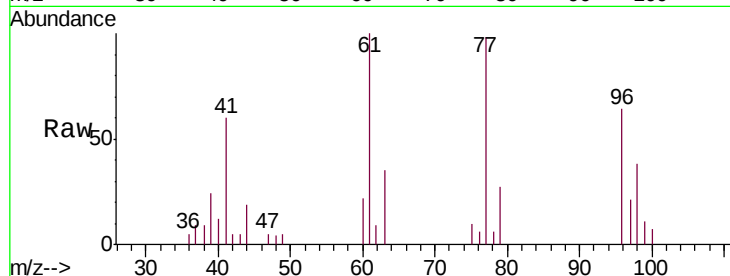
VSTDIC001

Tgt Ion: 77 Resp: 8674

Ion Ratio Lower Upper

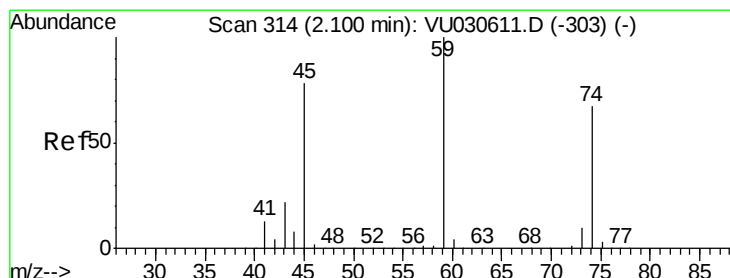
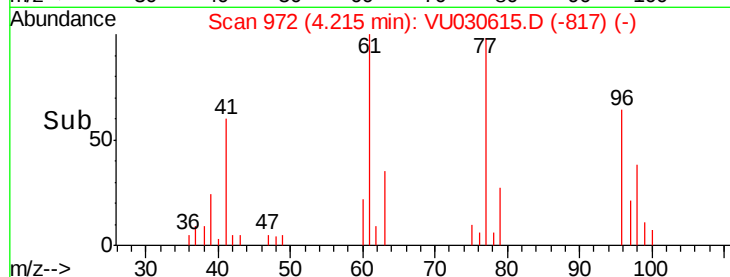
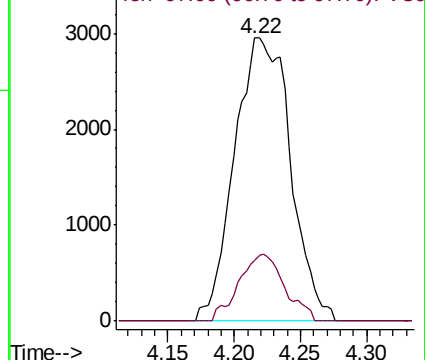
77 100

97 19.1 17.4 26.0



Abundance Ion 77.00 (76.70 to 77.70): VU030611.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-950) (-)



#23

Diethyl Ether

Concen: 0.682 ug/l

RT: 2.11 min Scan# 316

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

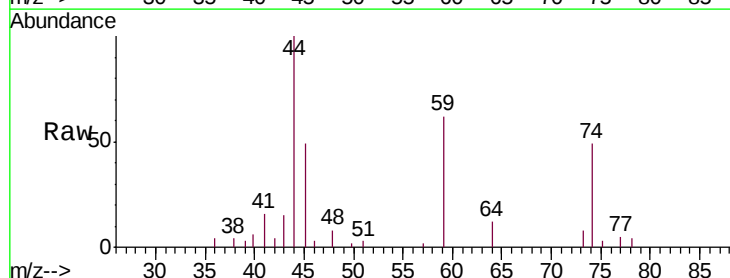
Tgt Ion: 59 Resp: 4736

Ion Ratio Lower Upper

59 100

45 78.8 62.7 94.1

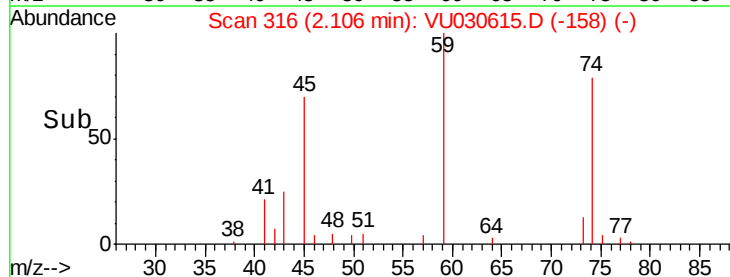
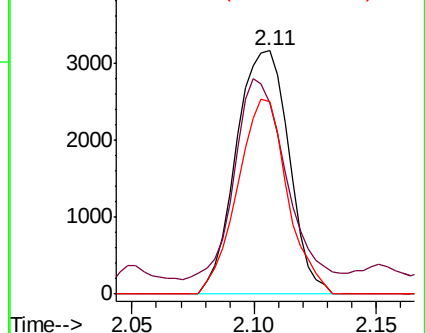
74 75.6 54.3 81.5

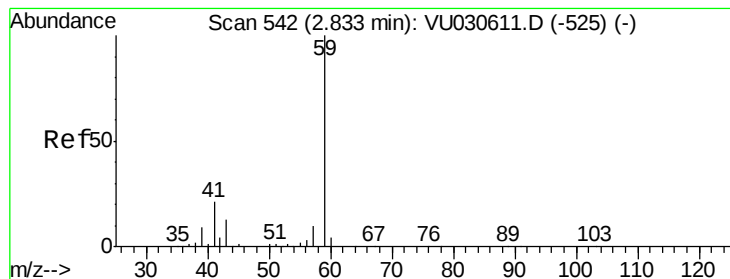


Abundance Ion 59.00 (58.70 to 59.70): VU030611.D (-303) (-)

Ion 45.00 (44.70 to 45.70): VU030611.D (-303) (-)

Ion 74.00 (73.70 to 74.70): VU030611.D (-303) (-)





#24

tert-Butyl Alcohol

Concen: 7.122 ug/l

RT: 2.83 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

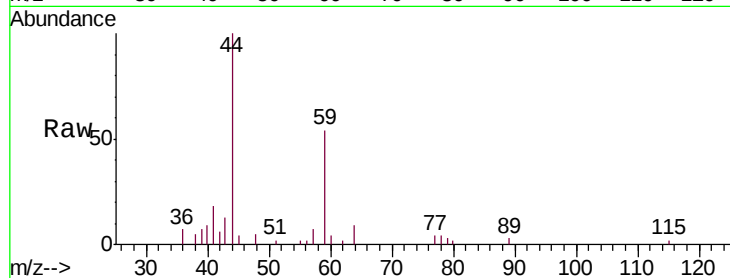
VSTDIC001

Tgt Ion: 59 Resp: 5476

Ion Ratio Lower Upper

59 100

57 12.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU030615.D (-386) (-)

Ion 57.00 (56.70 to 57.70): VU030615.D (-386) (-)

2.83

2500

2000

1500

1000

500

0

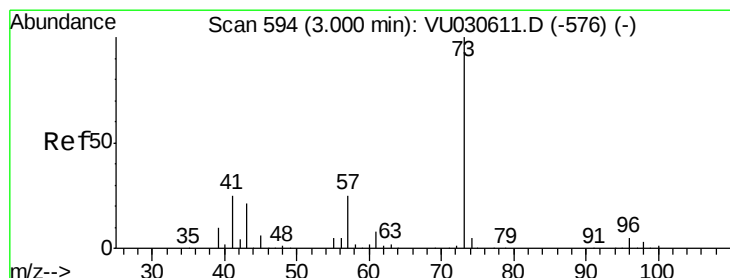
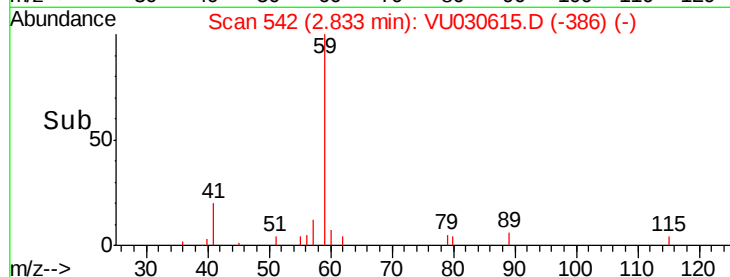
Time-->

2.75

2.80

2.85

2.90



#25

Methyl tert-Butyl Ether

Concen: 0.649 ug/l

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030615.D

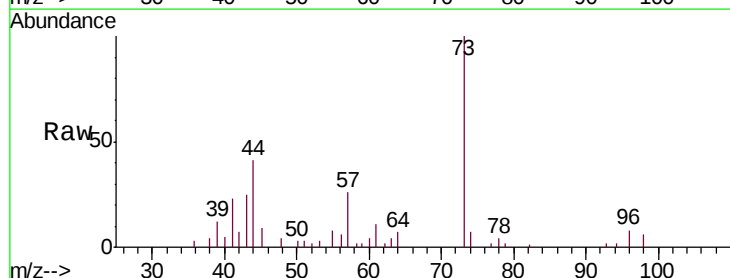
Acq: 02 Apr 2019 22:08

Tgt Ion: 73 Resp: 14963

Ion Ratio Lower Upper

73 100

43 21.0 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU030615.D (-438) (-)

Ion 43.00 (42.70 to 43.70): VU030615.D (-438) (-)

3.00

8000

6000

4000

2000

0

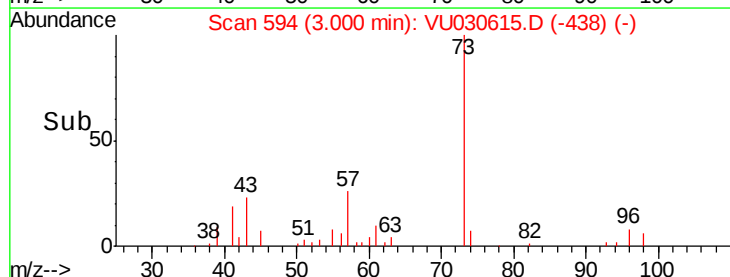
Time-->

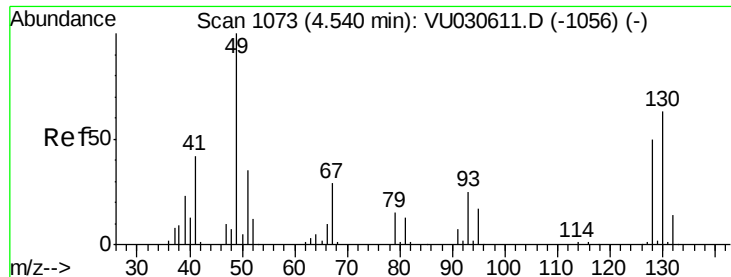
2.90

2.95

3.00

3.05

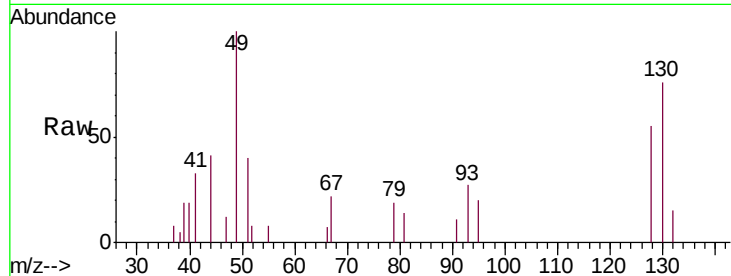




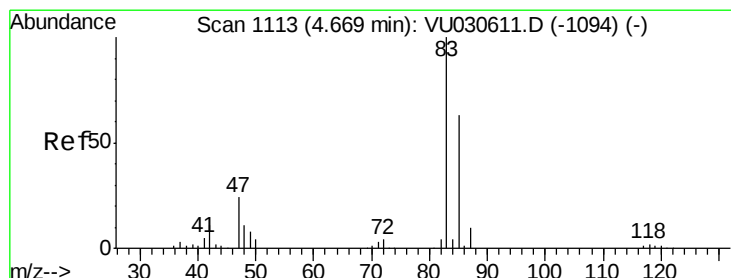
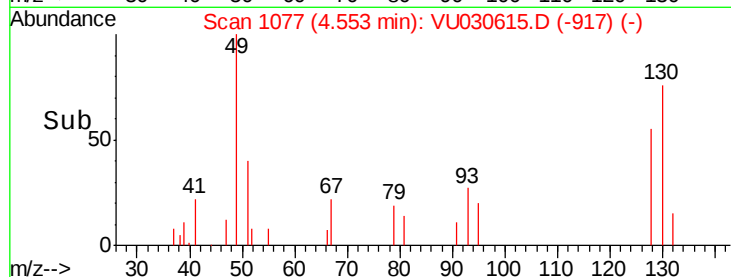
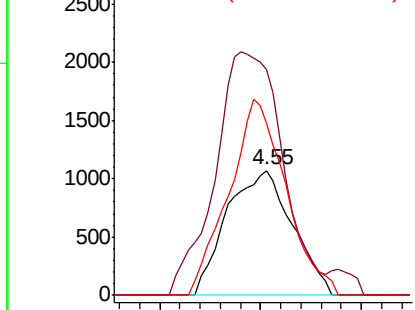
#26
Bromochloromethane
Concen: 0.495 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 128 Resp: 2420
Ion Ratio Lower Upper
128 100
49 202.0 0.0 404.8
130 137.1 100.2 150.2

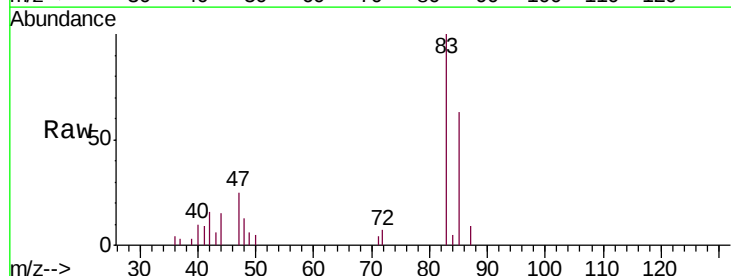


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU
Ion 130.00 (129.70 to 130.70): V

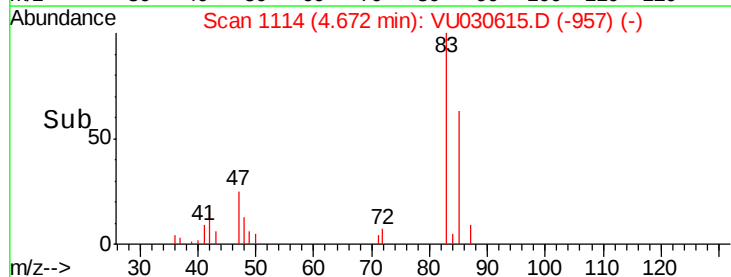
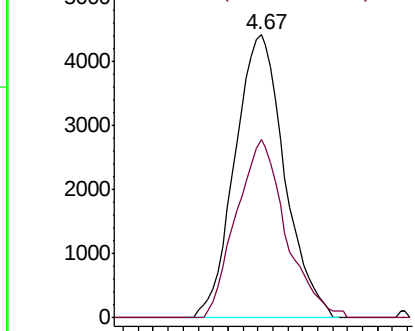


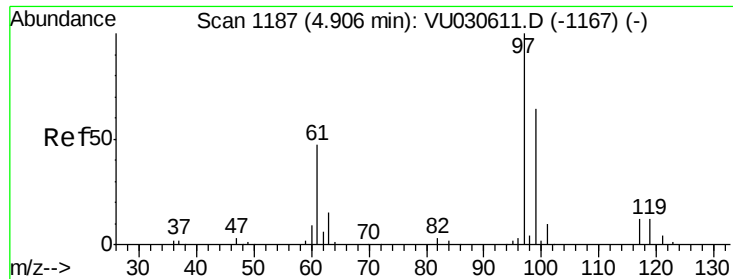
#27
Chloroform
Concen: 0.556 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 83 Resp: 10194
Ion Ratio Lower Upper
83 100
85 62.8 0.0 126.0



Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU

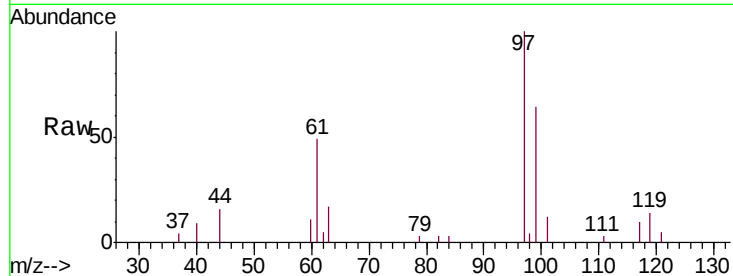




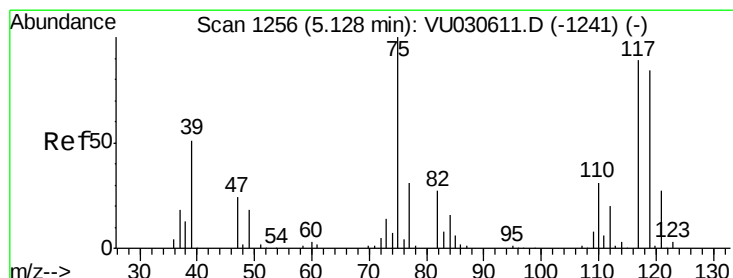
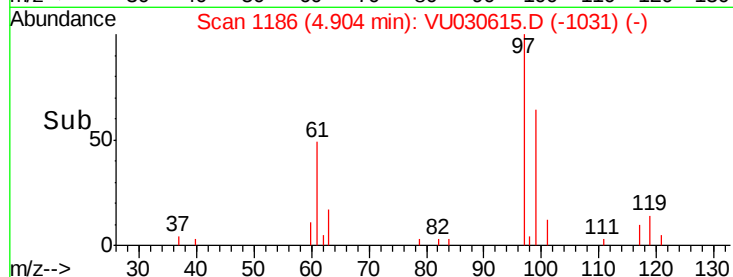
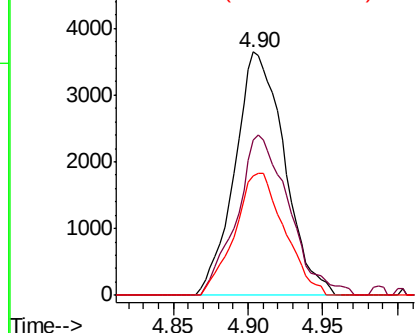
#28
 1,1,1-Trichloroethane
 Concen: 0.561 ug/l
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 8420
 Ion Ratio Lower Upper
 97 100
 99 69.4 31.9 95.9
 61 50.2 23.4 70.0

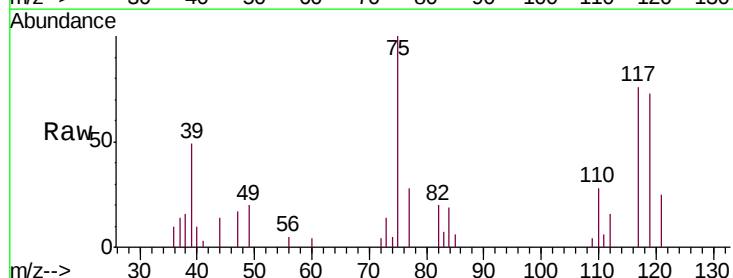


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

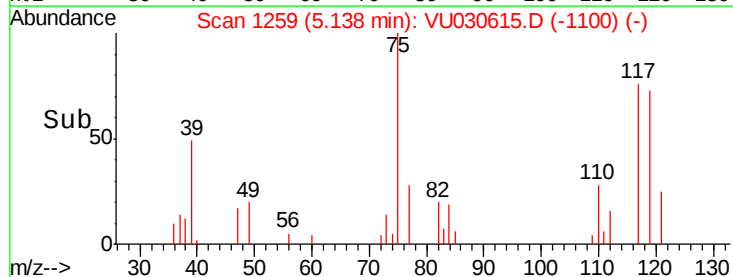
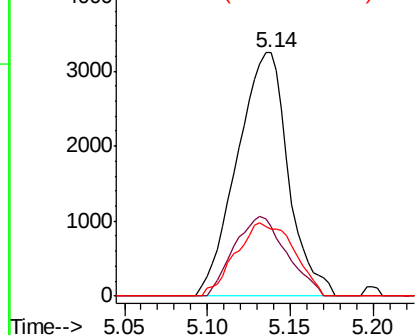


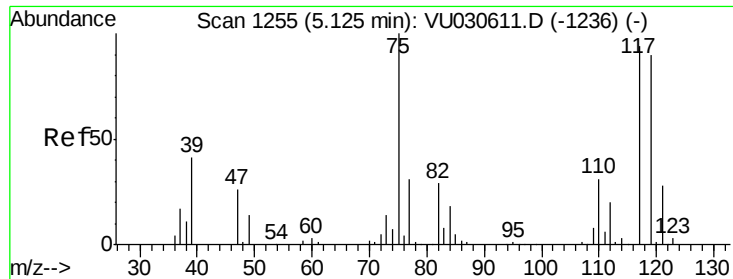
#29
 1,1-Dichloropropene
 Concen: 0.511 ug/l
 RT: 5.14 min Scan# 1259
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 75 Resp: 6968
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.2 48.5
 77 34.1 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0

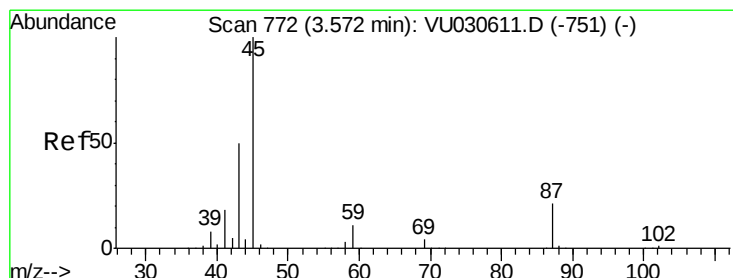
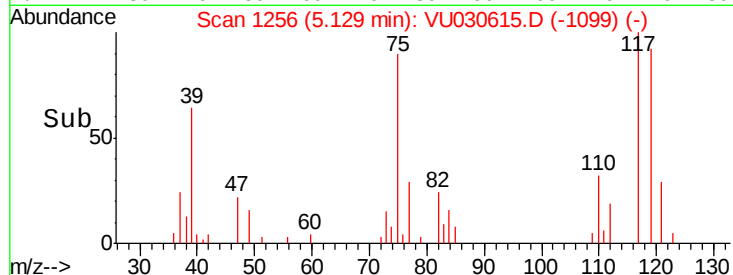
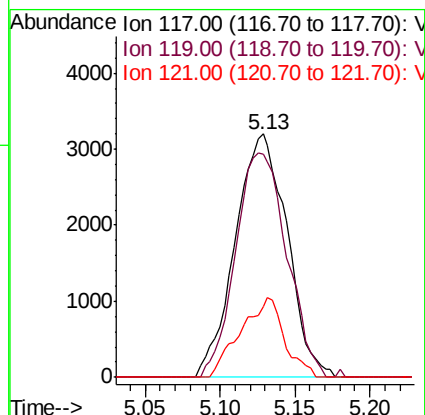
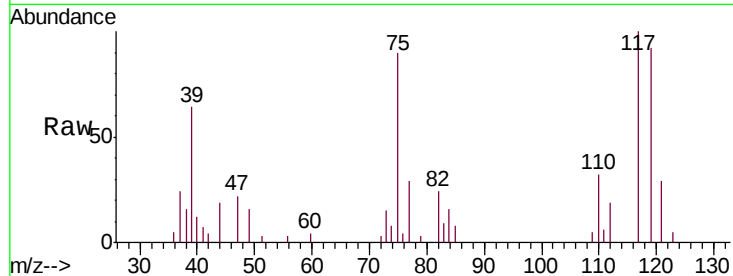




#30
Carbon Tetrachloride
Concen: 0.577 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

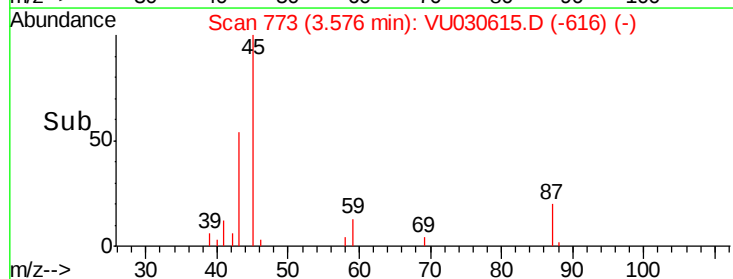
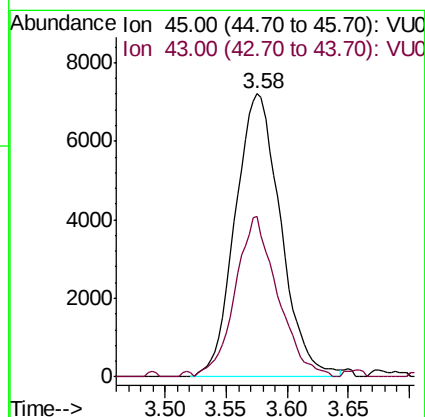
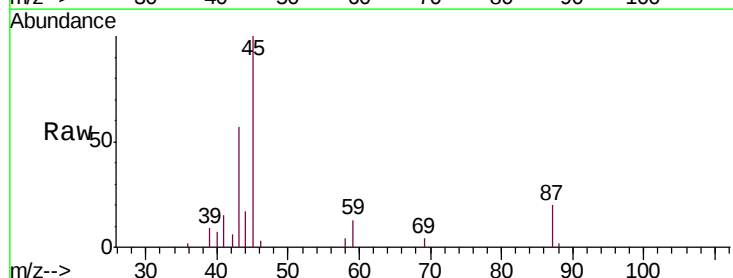
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

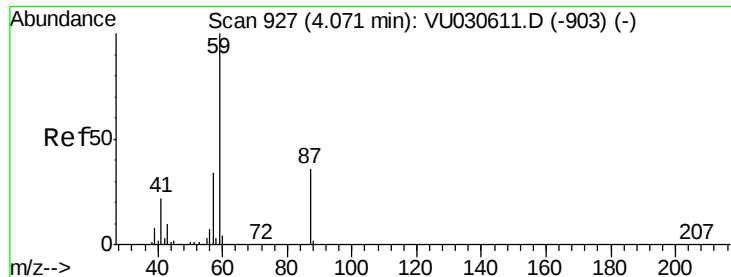
Tgt Ion: 117 Resp: 7715
Ion Ratio Lower Upper
117 100
119 91.6 75.9 113.9
121 28.8 24.2 36.2



#31
Isopropyl Ether
Concen: 0.717 ug/l
RT: 3.58 min Scan# 773
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 45 Resp: 18599
Ion Ratio Lower Upper
45 100
43 53.1 25.0 75.0





#32

Ethyl-t-butyl ether

Concen: 0.608 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

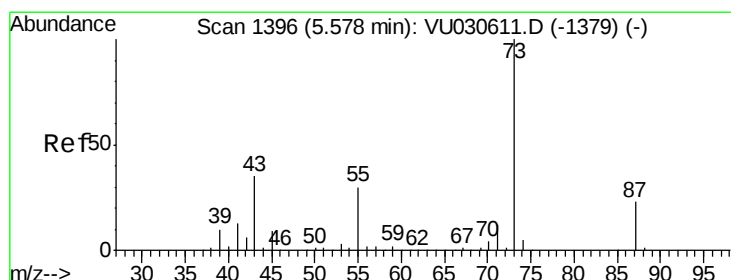
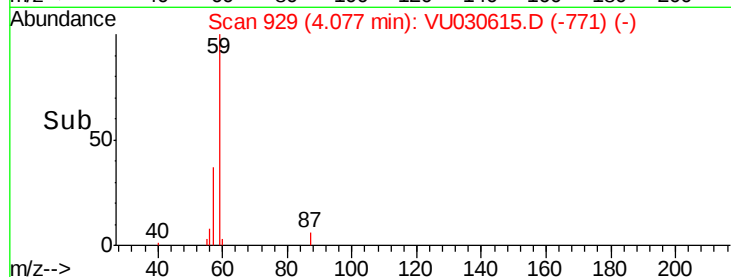
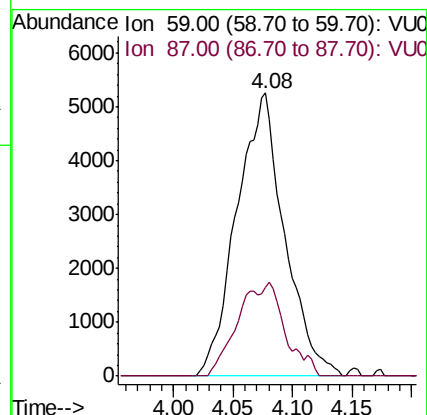
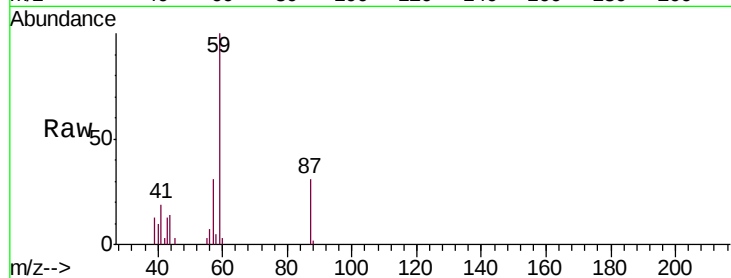
VSTDIC001

Tgt Ion: 59 Resp: 14617

Ion Ratio Lower Upper

59 100

87 15.7 29.5 44.3#



#33

Tert-Amyl methyl ether

Concen: 0.510 ug/l

RT: 5.58 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

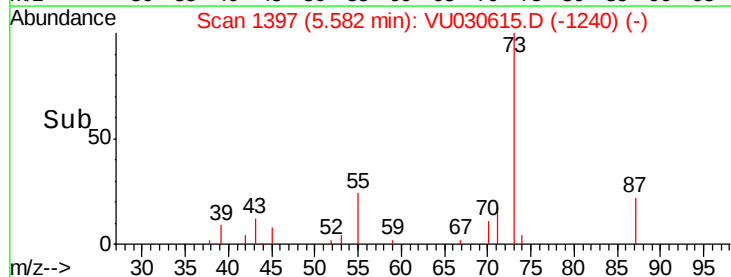
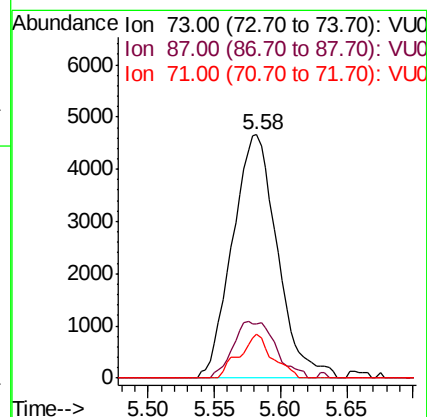
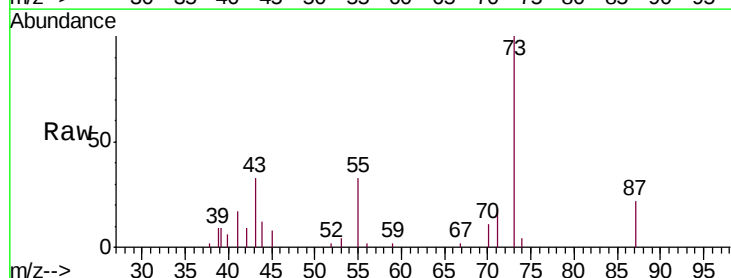
Tgt Ion: 73 Resp: 10997

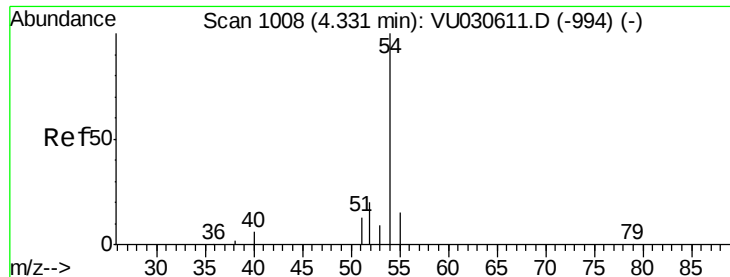
Ion Ratio Lower Upper

73 100

87 22.0 18.7 28.1

71 13.1 9.4 14.0





#34

Propionitrile

Concen: 0.783 ug/l

RT: 4.34 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 54 Resp: 545

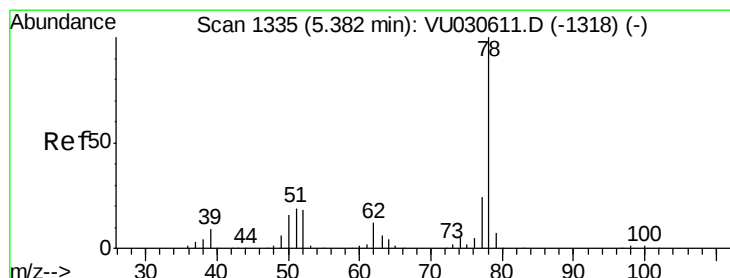
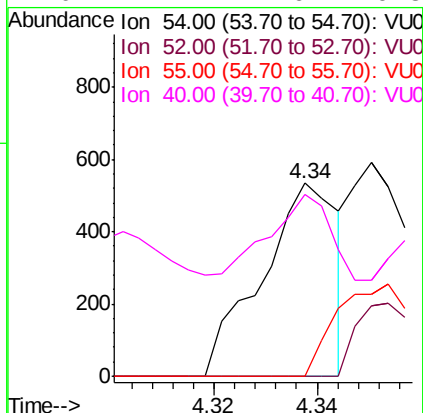
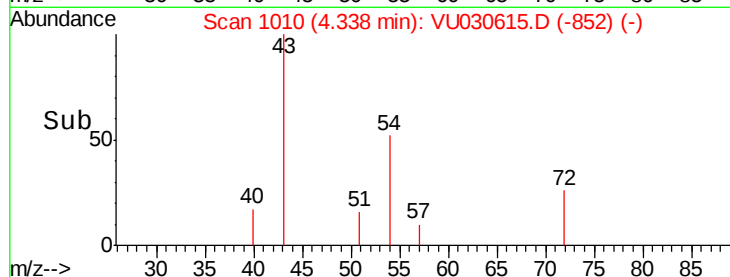
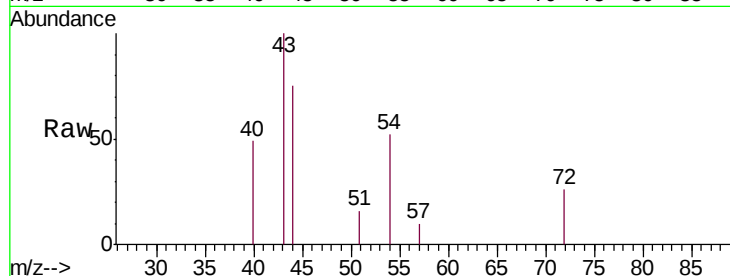
Ion Ratio Lower Upper

54 100

52 29.4 15.3 22.9#

55 56.3 11.4 17.0#

40 42.4 4.6 6.8#



#35

Benzene

Concen: 0.525 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030615.D

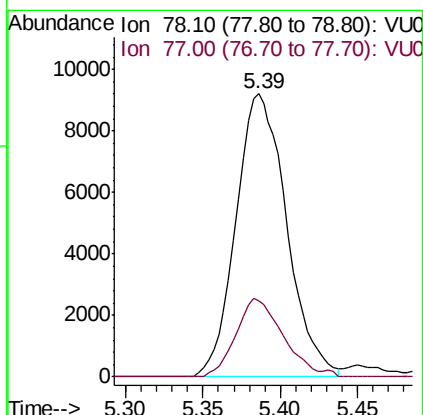
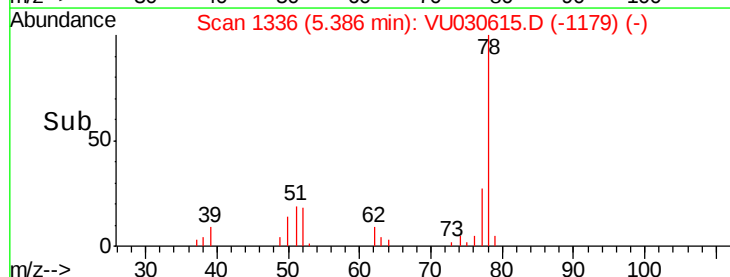
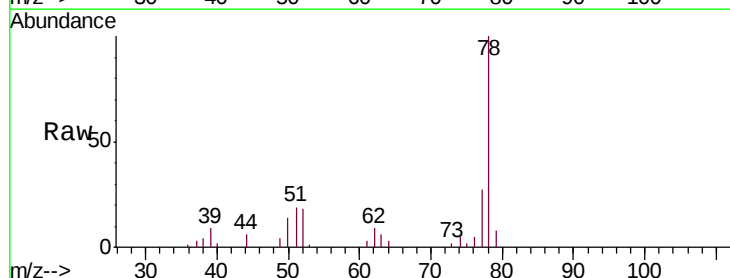
Acq: 02 Apr 2019 22:08

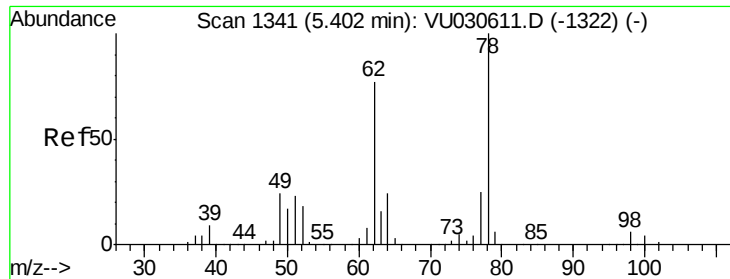
Tgt Ion: 78 Resp: 20919

Ion Ratio Lower Upper

78 100

77 27.0 19.4 29.2

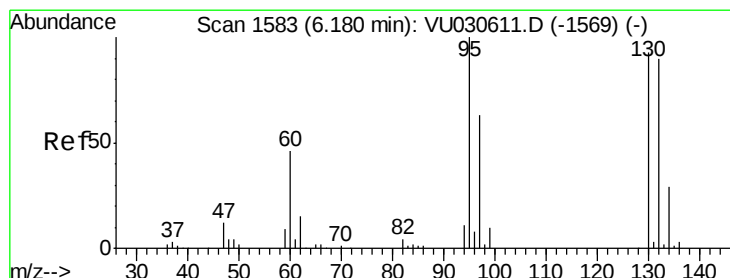
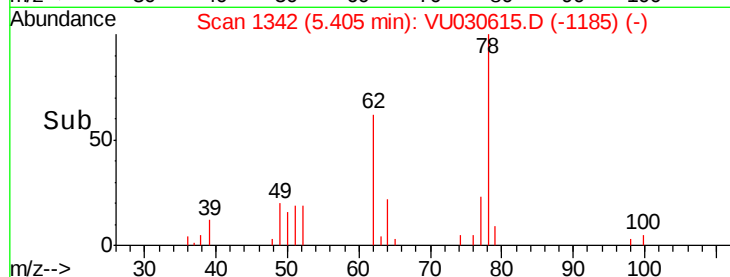
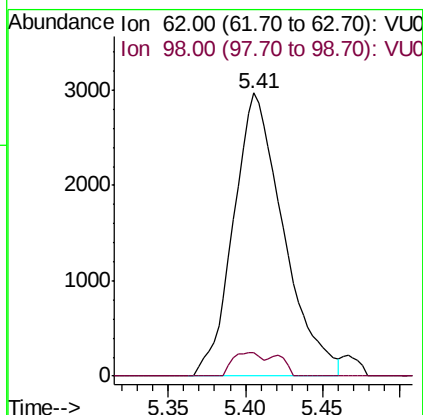
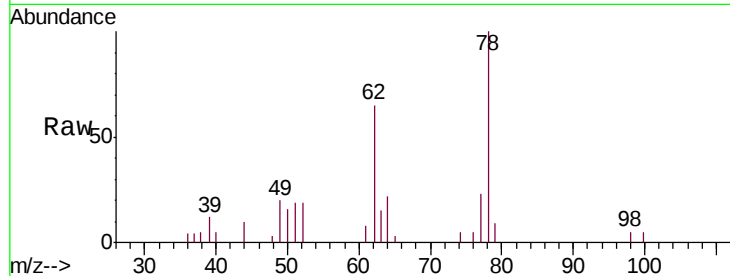




#36
 1,2-Dichloroethane
 Concen: 0.601 ug/l
 RT: 5.41 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

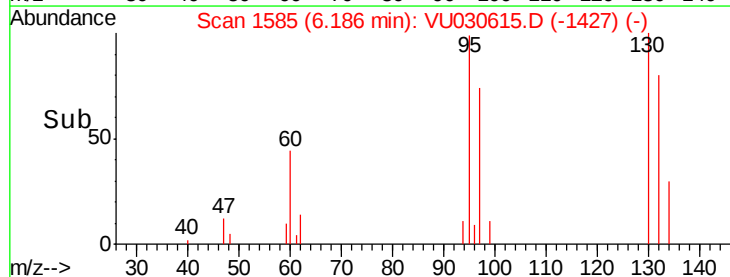
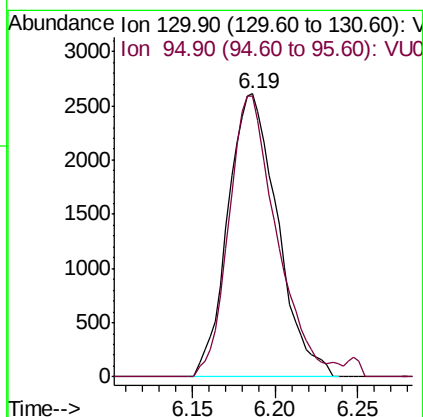
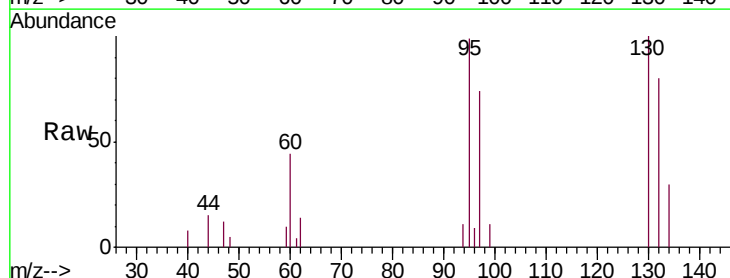
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

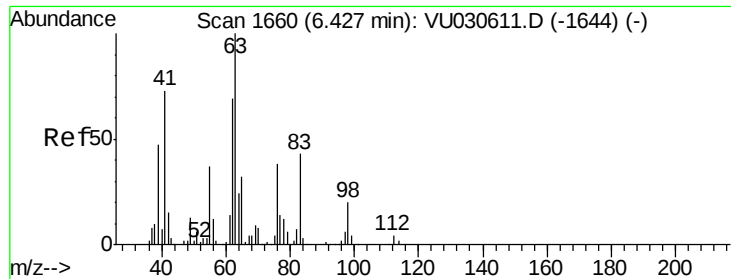
Tgt Ion: 62 Resp: 6654
 Ion Ratio Lower Upper
 62 100
 98 4.7 6.5 9.7#



#37
 Trichloroethene
 Concen: 0.487 ug/l
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 130 Resp: 5424
 Ion Ratio Lower Upper
 130 100
 95 99.0 85.7 128.5

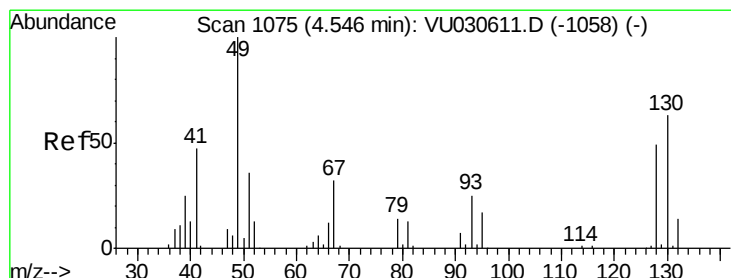
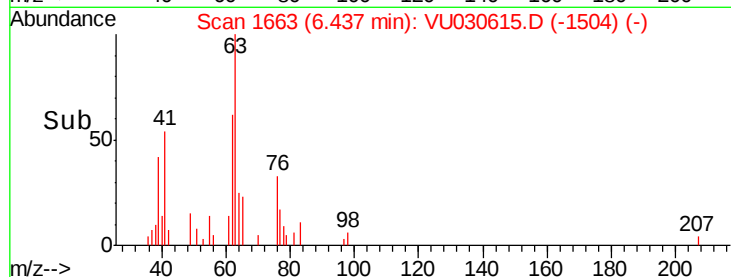
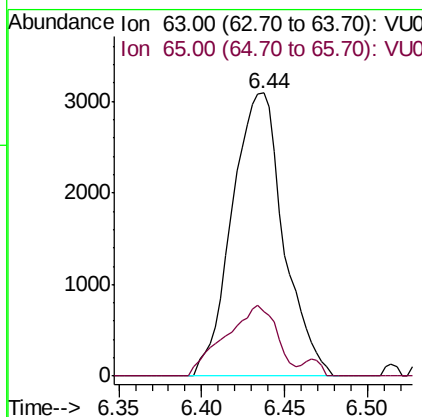
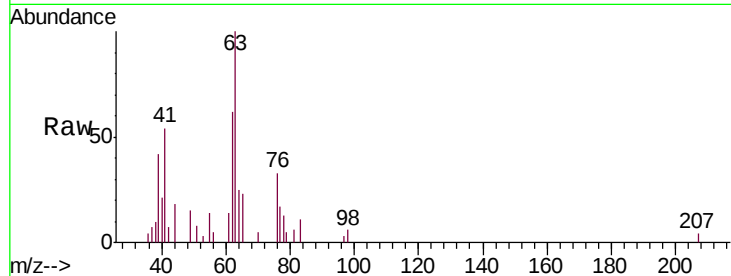




#38
 1,2-Dichloropropane
 Concen: 0.643 ug/l
 RT: 6.44 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

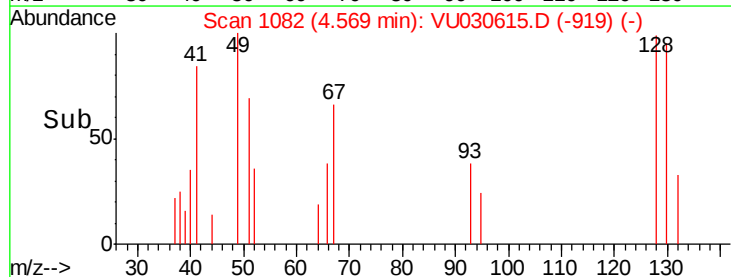
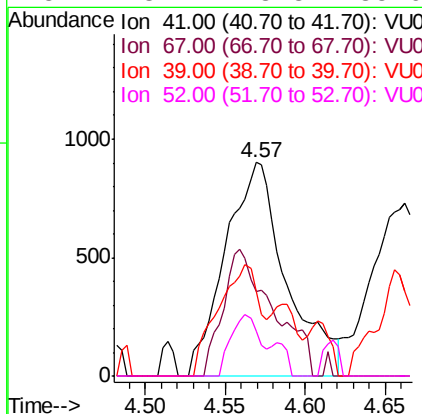
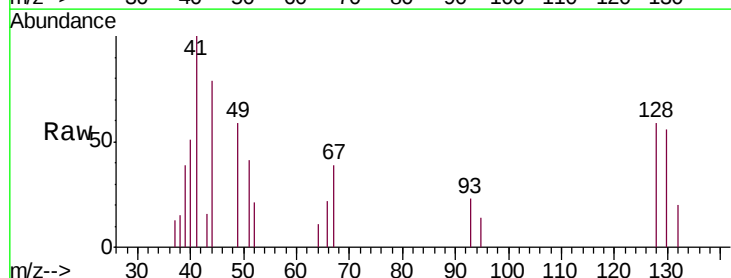
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

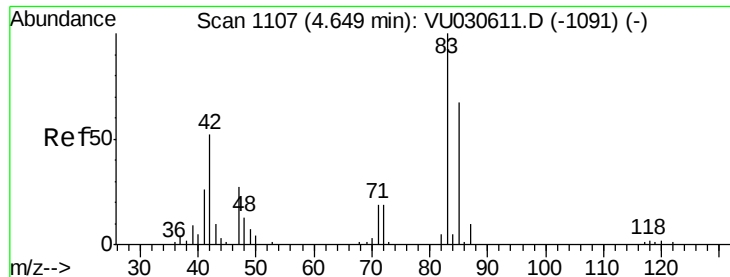
Tgt Ion: 63 Resp: 6671
 Ion Ratio Lower Upper
 63 100
 65 22.7 25.5 38.3#



#39
 Methacrylonitrile
 Concen: 0.764 ug/l
 RT: 4.57 min Scan# 1082
 Delta R.T. 0.02 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 41 Resp: 2376
 Ion Ratio Lower Upper
 41 100
 67 48.3 54.1 81.1#
 39 35.4 41.7 62.5#
 52 13.1 23.8 35.6#





#41

Tetrahydrofuran

Concen: 1.698 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

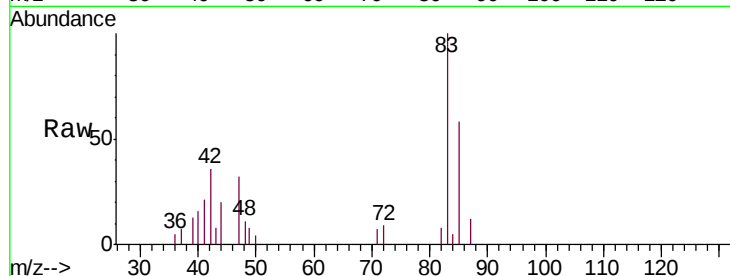
Tgt Ion: 42 Resp: 2914

Ion Ratio Lower Upper

42 100

72 17.9 29.8 44.8#

71 20.0 27.7 41.5#

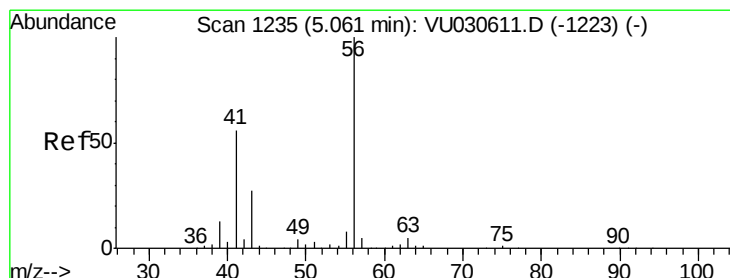
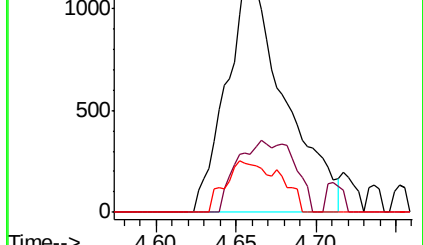
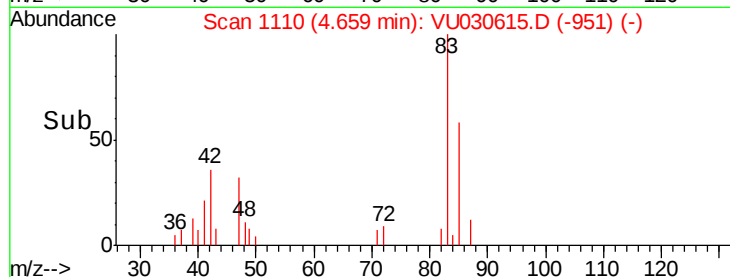


Abundance Ion 42.00 (41.70 to 42.70): VU030615.D (-1091) (-)

Ion 72.00 (71.70 to 72.70): VU030615.D (-1091) (-)

Ion 71.00 (70.70 to 71.70): VU030615.D (-1091) (-)

Time-->



#42

1-Chlorobutane

Concen: 0.612 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU030615.D

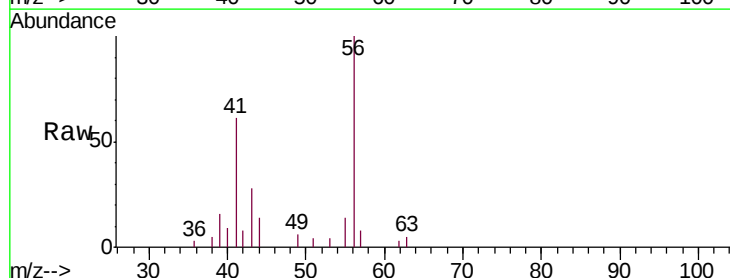
Acq: 02 Apr 2019 22:08

Tgt Ion: 56 Resp: 11285

Ion Ratio Lower Upper

56 100

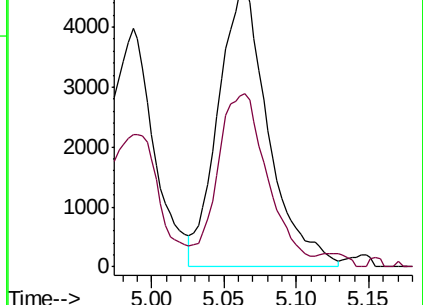
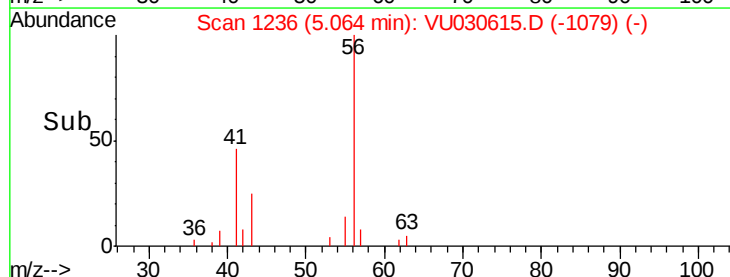
41 56.0 27.6 82.8

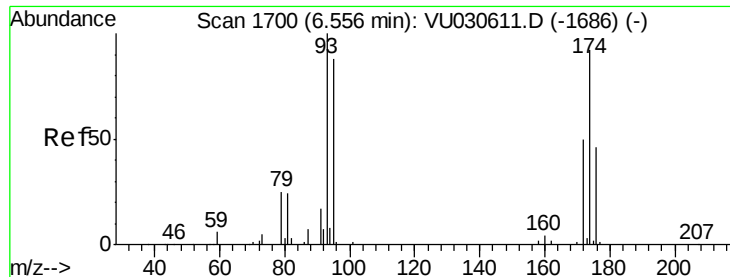


Abundance Ion 56.00 (55.70 to 56.70): VU030615.D (-1079) (-)

Ion 41.00 (40.70 to 41.70): VU030615.D (-1079) (-)

Time-->

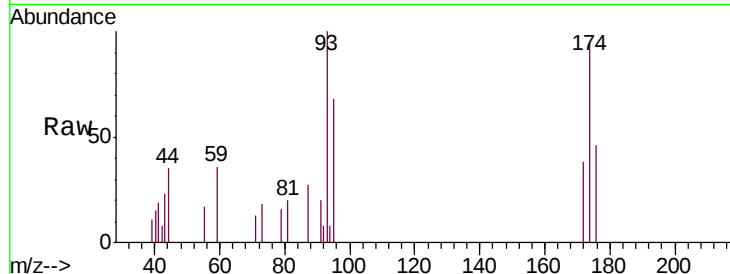




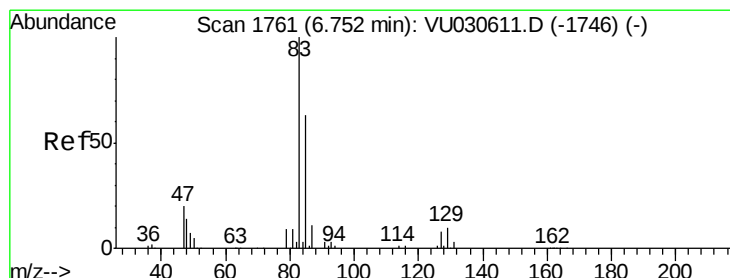
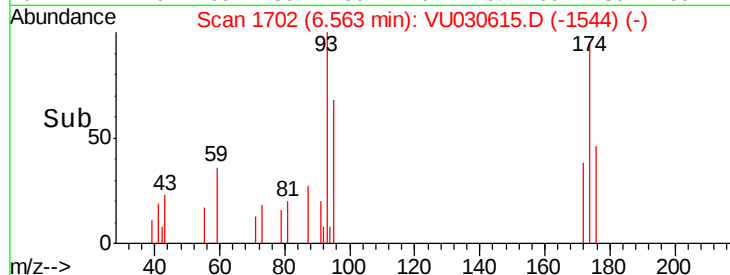
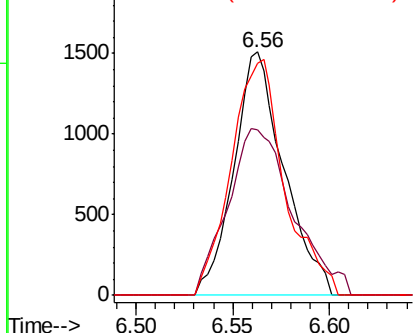
#43
 Dibromomethane
 Concen: 0.514 ug/l
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 93 Resp: 2716
 Ion Ratio Lower Upper
 93 100
 95 89.3 65.7 98.5
 174 103.9 70.3 105.5

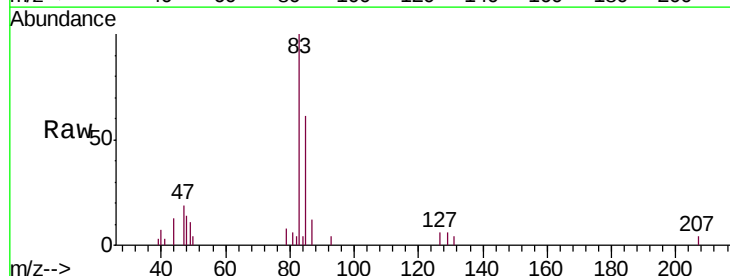


Abundance Ion 93.00 (92.70 to 93.70): VU0
 Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V

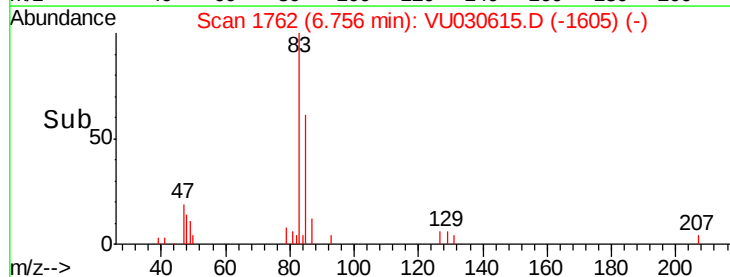
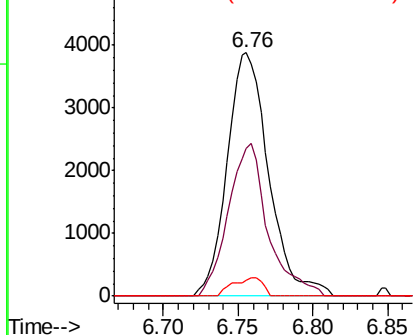


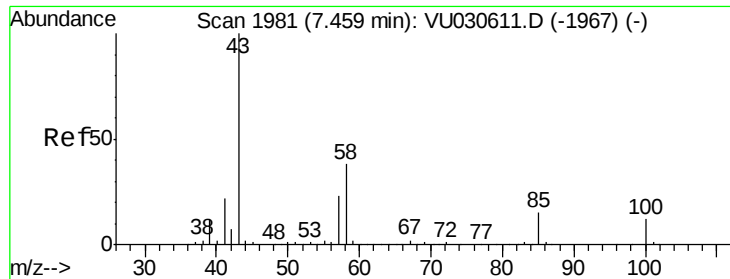
#44
 Bromodichloromethane
 Concen: 0.591 ug/l
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 83 Resp: 7518
 Ion Ratio Lower Upper
 83 100
 85 60.8 50.6 76.0
 127 6.3 6.6 10.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 127.00 (126.70 to 127.70): V

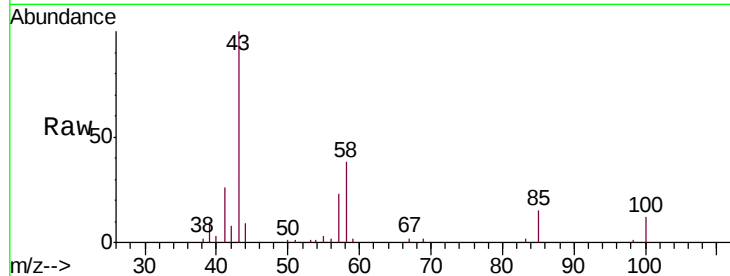




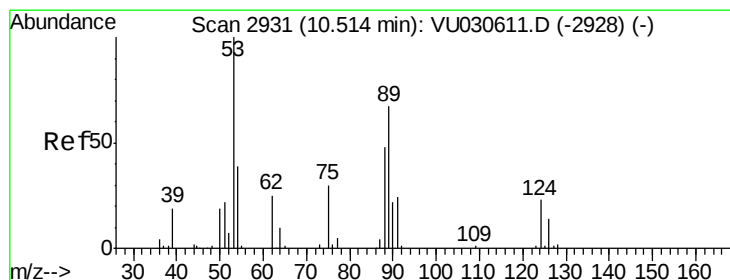
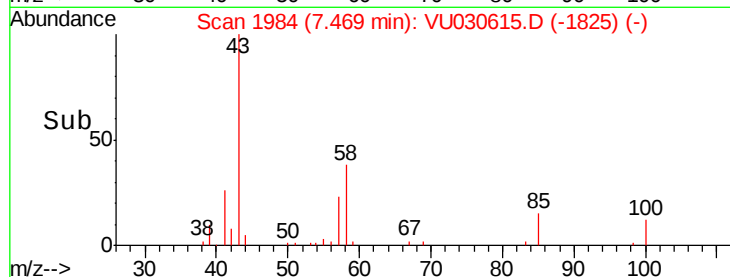
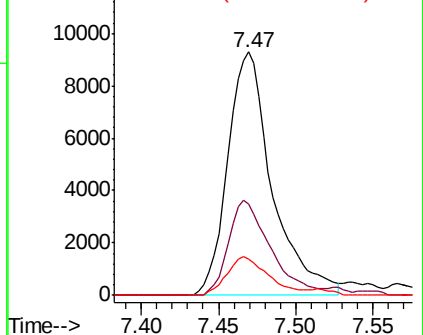
#45
4-Methyl-2-Pentanone
Concen: 3.234 ug/l
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 18519
Ion Ratio Lower Upper
43 100
58 36.8 18.6 55.8
85 14.8 11.6 17.4

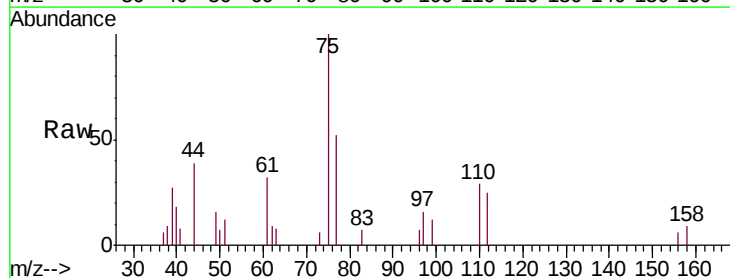


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

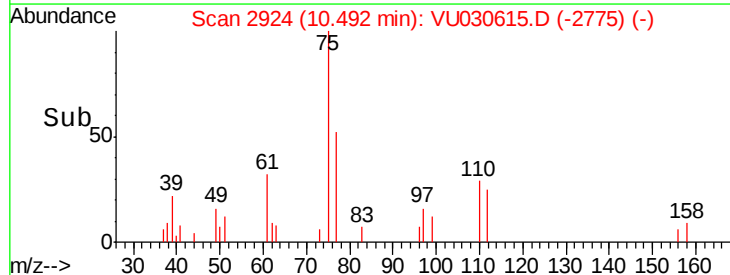
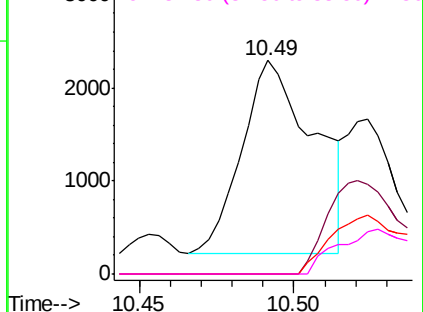


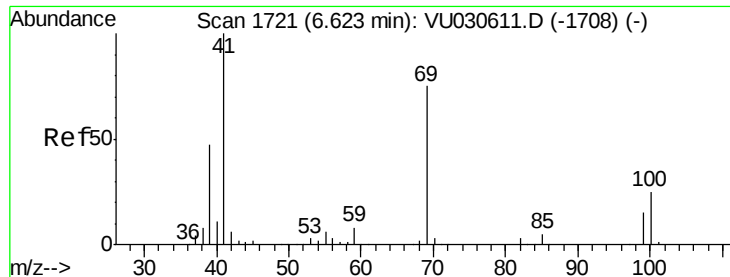
#46
t-1,4-Dichloro-2-butene
Concen: 1.620 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 75 Resp: 3383
Ion Ratio Lower Upper
75 100
53 55.7 64.3 96.5#
89 33.1 40.8 61.2#
88 23.4 30.2 45.2#



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

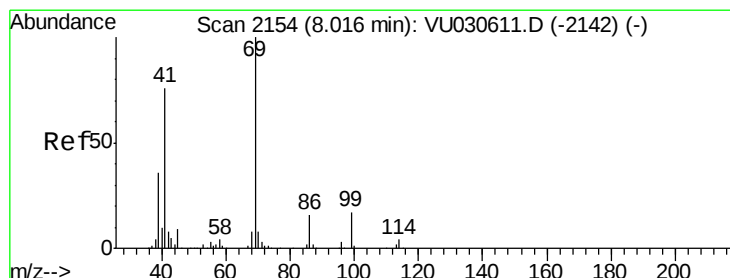
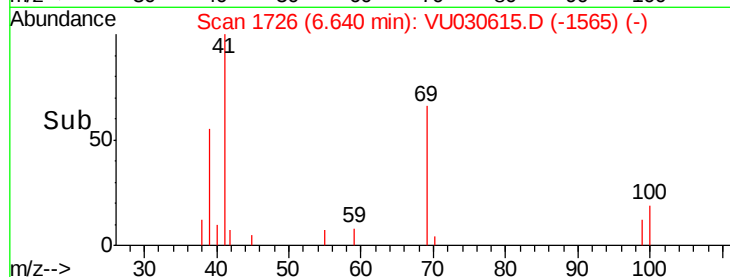
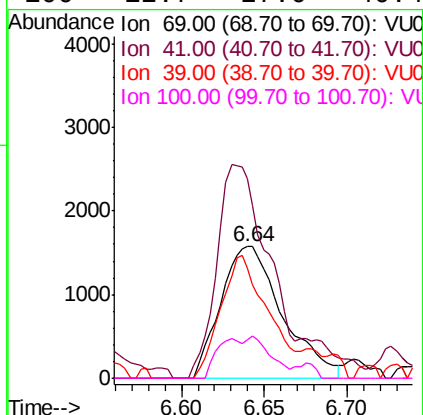
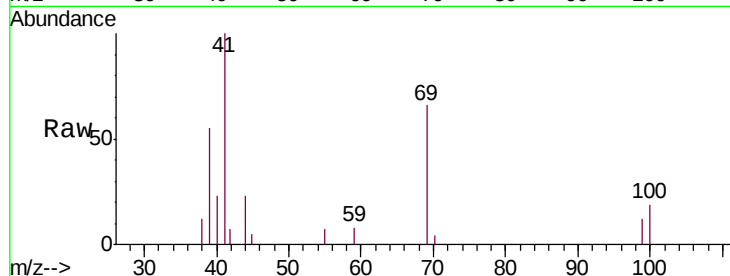




#47
Methyl methacrylate
Concen: 0.896 ug/l
RT: 6.64 min Scan# 1726
Delta R.T. 0.02 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

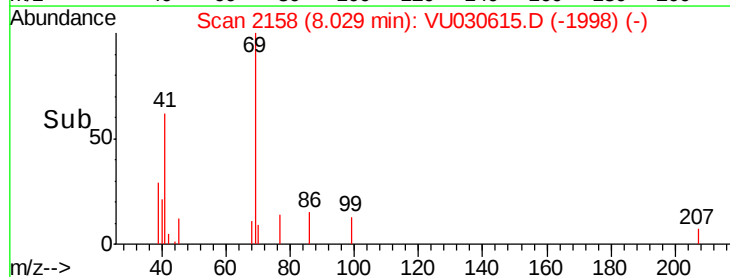
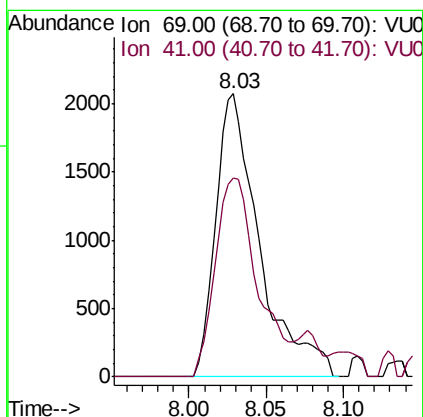
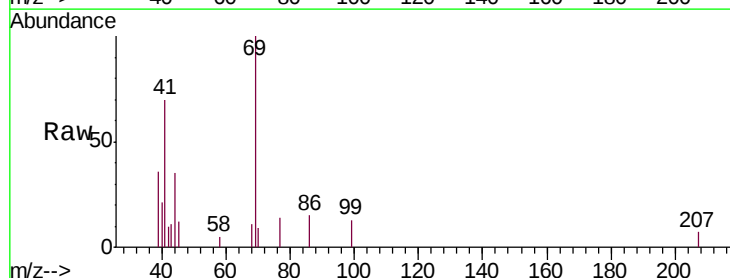
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

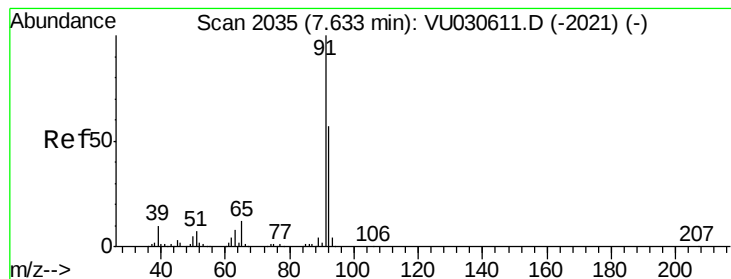
Tgt Ion: 69 Resp: 4073
Ion Ratio Lower Upper
69 100
41 135.4 0.0 263.2
39 72.6 50.7 76.1
100 12.7 27.0 40.4#



#48
Ethyl methacrylate
Concen: 0.485 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 69 Resp: 4086
Ion Ratio Lower Upper
69 100
41 67.7 37.3 111.9





#49

Toluene

Concen: 0.453 ug/l

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

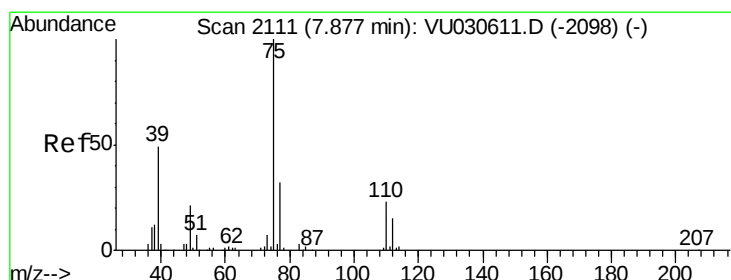
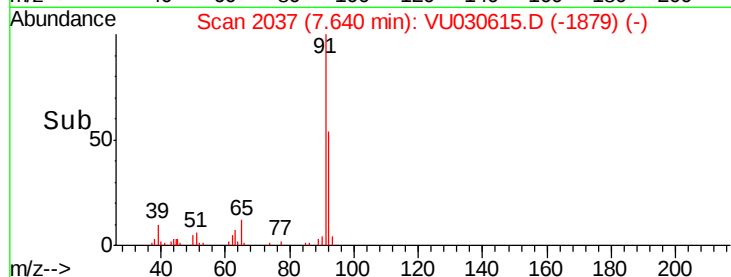
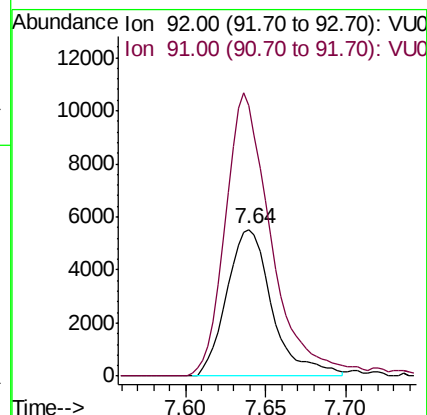
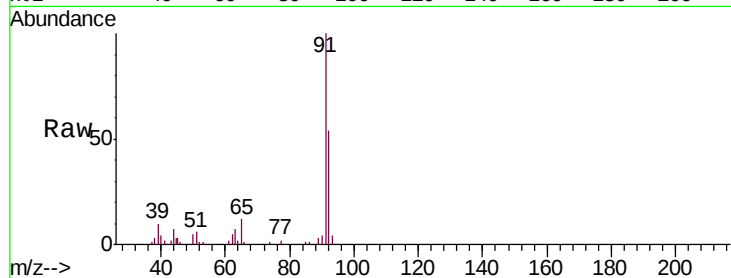
VSTDIC001

Tgt Ion: 92 Resp: 10720

Ion Ratio Lower Upper

92 100

91 195.9 142.1 213.1



#50

t-1,3-Dichloropropene

Concen: 0.530 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU030615.D

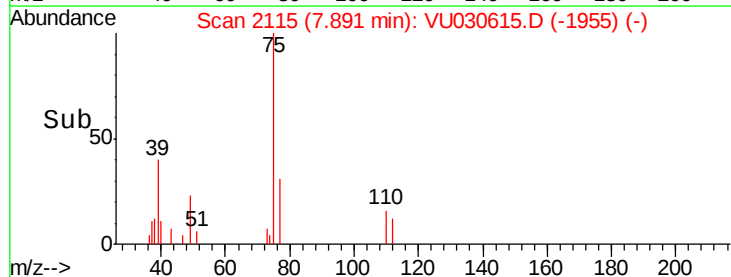
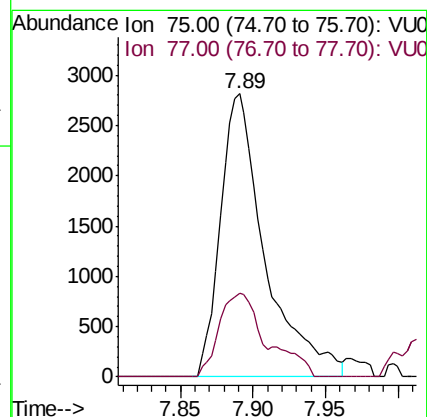
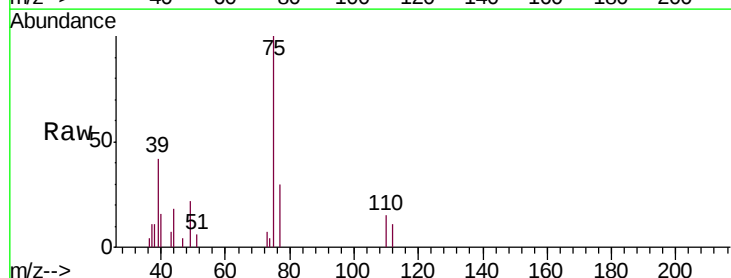
Acq: 02 Apr 2019 22:08

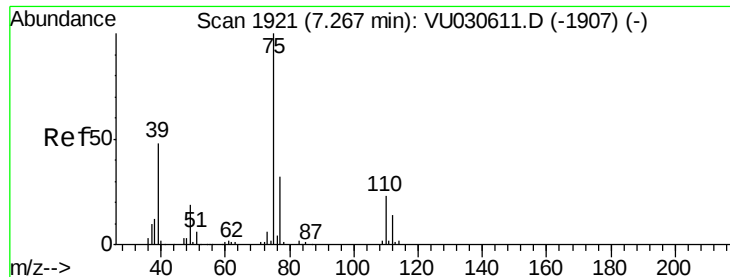
Tgt Ion: 75 Resp: 6021

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0



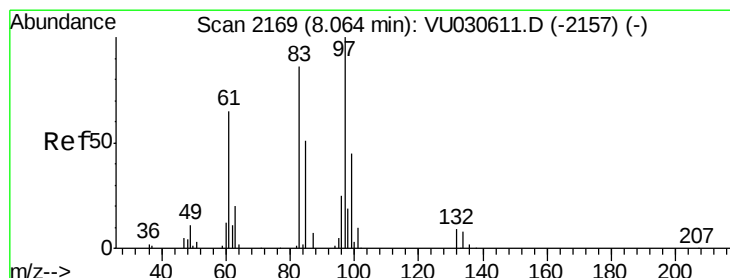
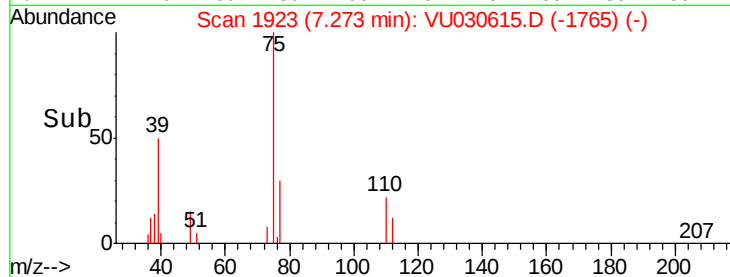
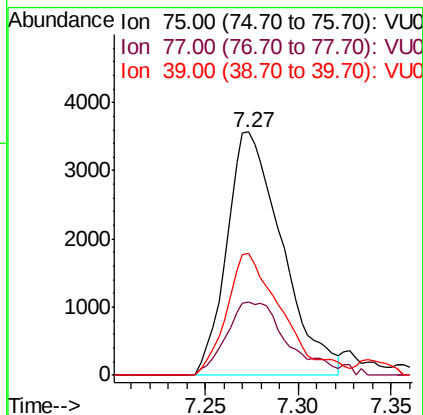
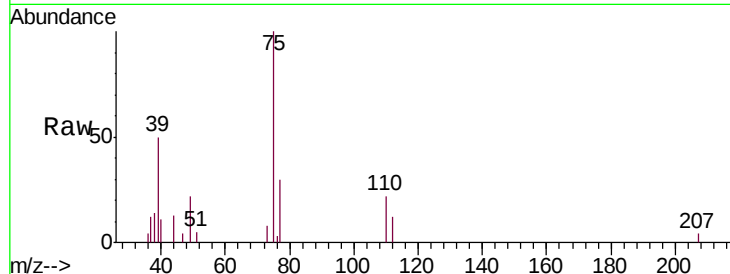


#51

cis-1,3-Dichloropropene
Concen: 0.524 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

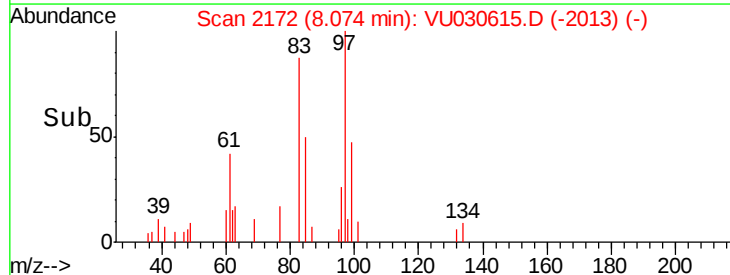
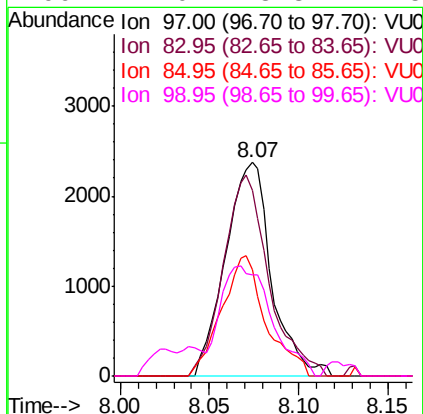
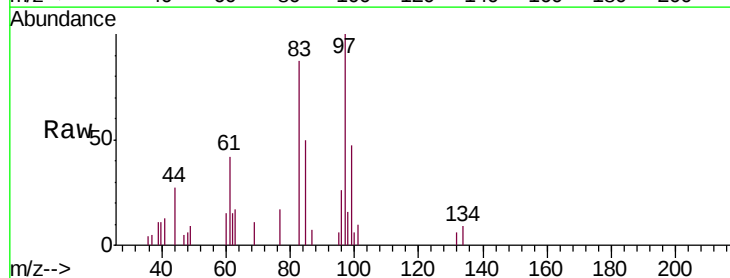
Tgt Ion: 75 Resp: 7409
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0
39 50.1 38.5 57.7

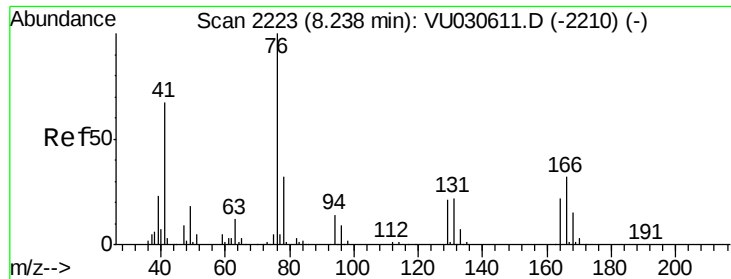


#52

1,1,2-Trichloroethane
Concen: 0.574 ug/l
RT: 8.07 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 97 Resp: 4267
Ion Ratio Lower Upper
97 100
83 87.1 68.6 103.0
85 49.6 41.8 62.8
99 41.0 48.3 72.5#

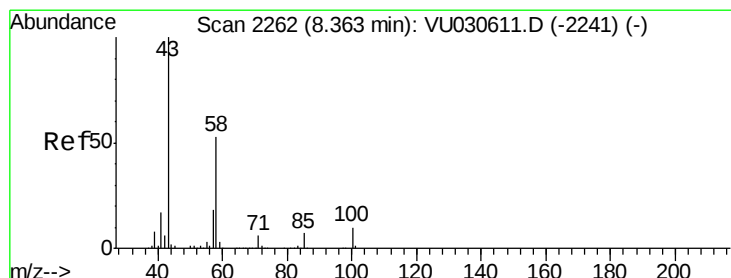
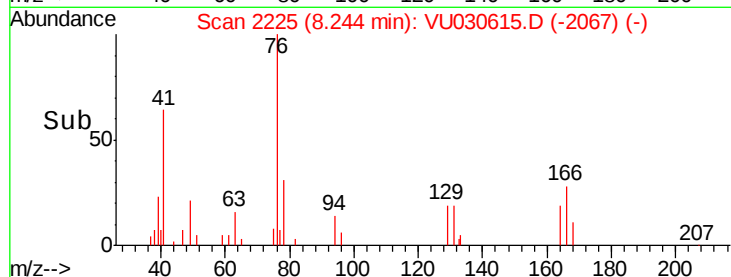
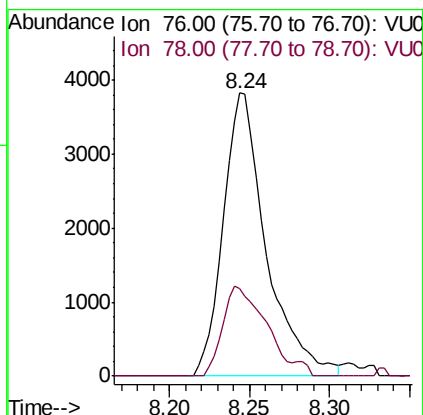
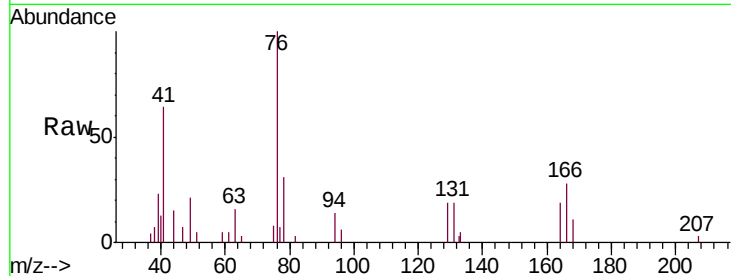




#53
 1,3-Dichloropropane
 Concen: 0.557 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

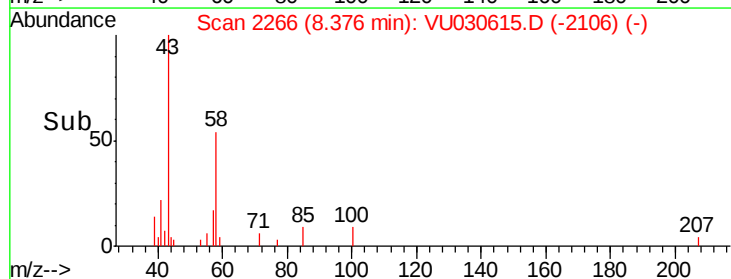
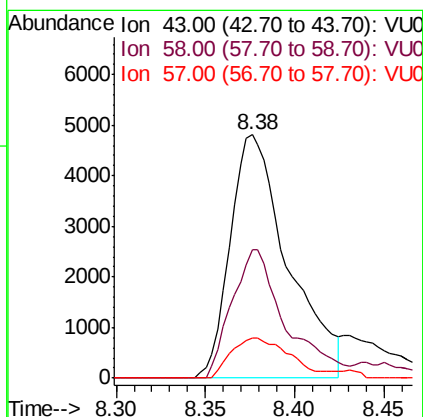
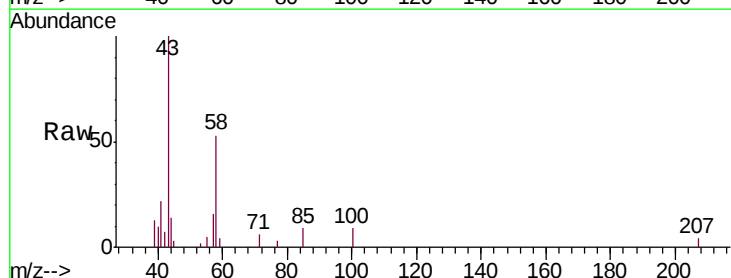
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

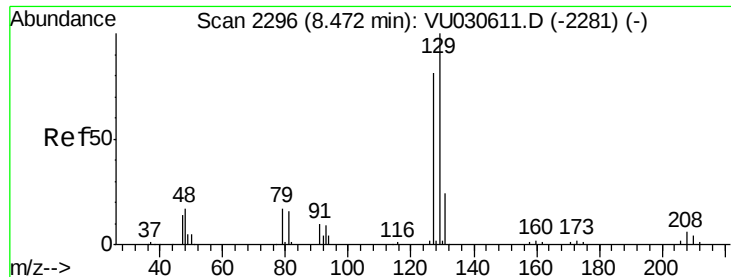
Tgt Ion: 76 Resp: 7026
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#54
 2-Hexanone
 Concen: 2.665 ug/l
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 43 Resp: 10827
 Ion Ratio Lower Upper
 43 100
 58 49.4 33.1 73.1
 57 16.5 0.0 38.1





#55

Dibromochloromethane

Concen: 0.482 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

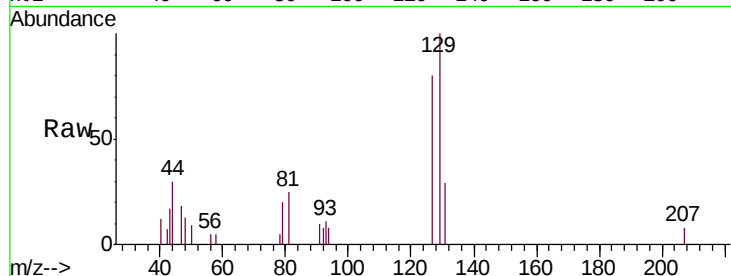
VSTDIC001

Tgt Ion:129 Resp: 4261

Ion Ratio Lower Upper

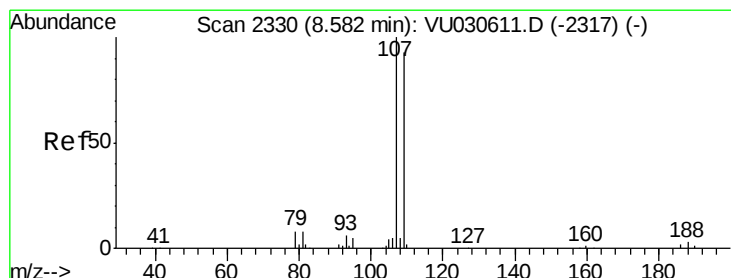
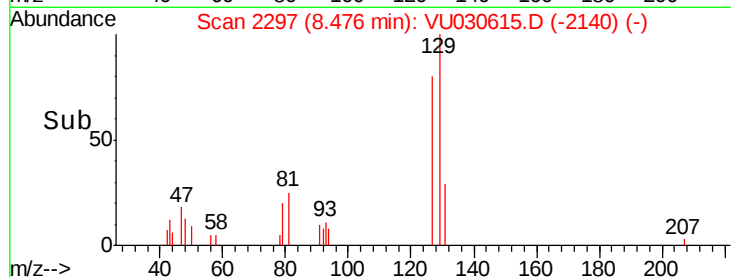
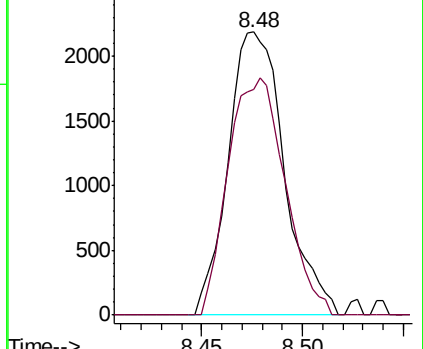
129 100

127 84.8 62.8 94.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.481 ug/l

RT: 8.59 min Scan# 2333

Delta R.T. 0.01 min

Lab File: VU030615.D

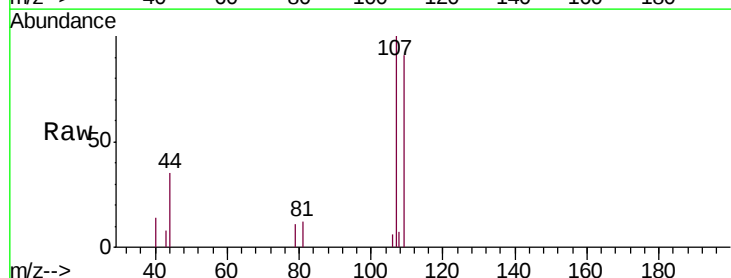
Acq: 02 Apr 2019 22:08

Tgt Ion:107 Resp: 3411

Ion Ratio Lower Upper

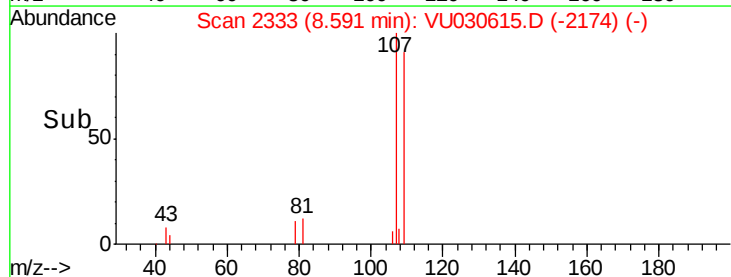
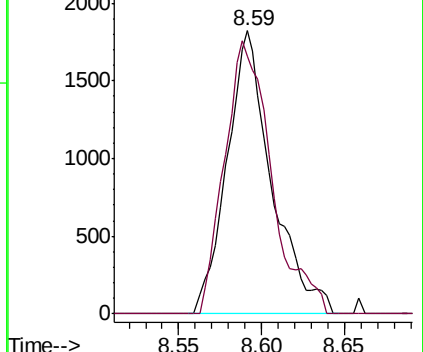
107 100

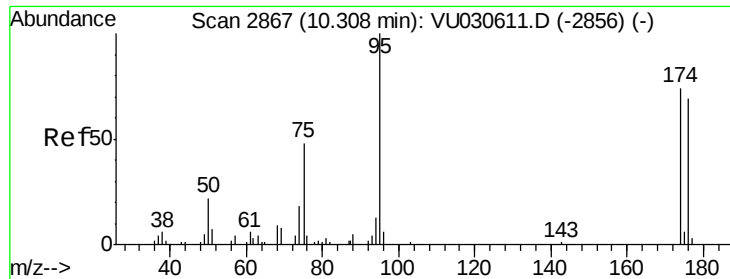
109 101.8 0.0 187.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

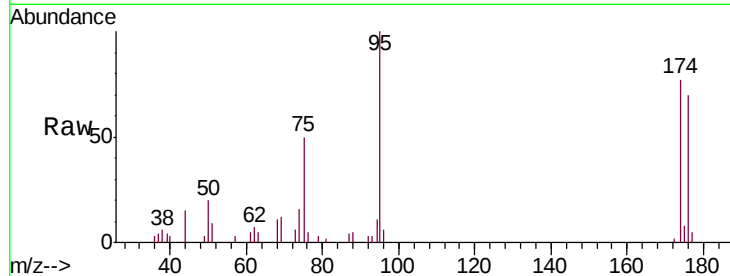




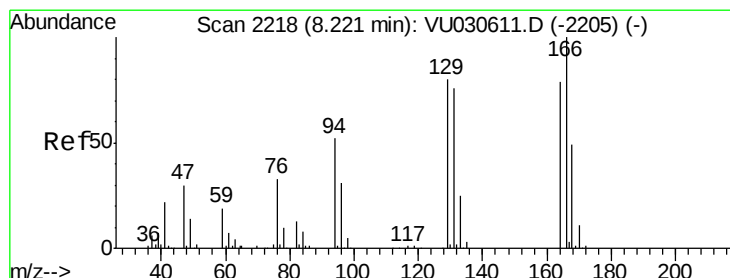
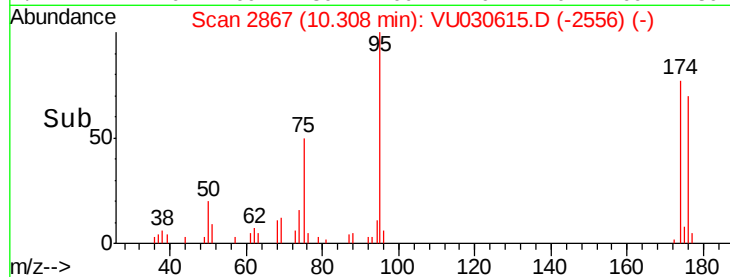
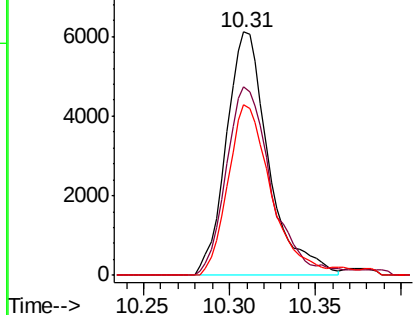
#57
 4-Bromofluorobenzene
 Concen: 0.481 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 95 Resp: 10458
 Ion Ratio Lower Upper
 95 100
 174 82.3 59.1 88.7
 176 71.5 55.7 83.5

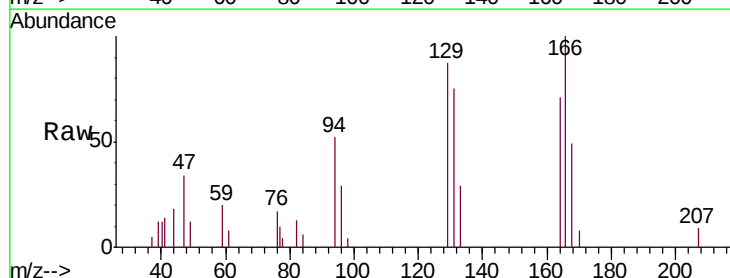


Abundance Ion 95.00 (94.70 to 95.70): VU030615.D (-2856) (-)
 Ion 174.00 (173.70 to 174.70): VU030615.D (-2856) (-)
 Ion 176.00 (175.70 to 176.70): VU030615.D (-2856) (-)

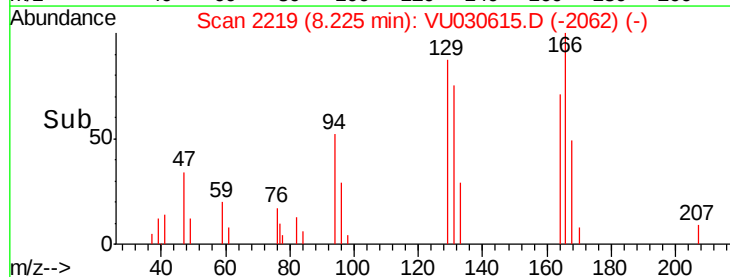
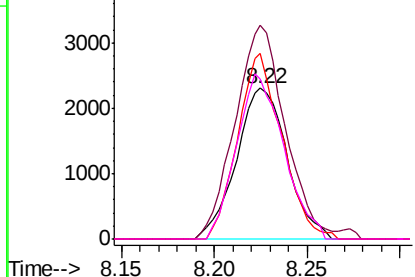


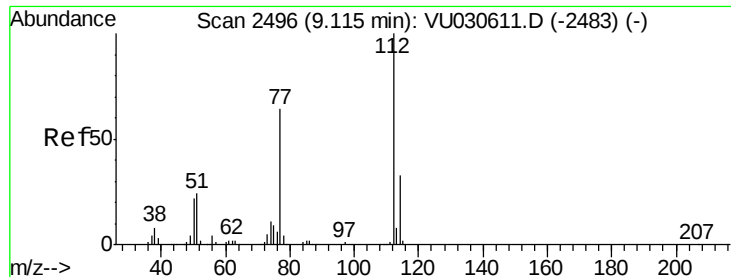
#58
 Tetrachloroethene
 Concen: 0.438 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 164 Resp: 4399
 Ion Ratio Lower Upper
 164 100
 166 141.8 101.0 151.4
 129 123.5 80.6 120.8#
 131 105.9 76.9 115.3



Abundance Ion 163.85 (163.55 to 164.55): VU030615.D (-2062) (-)
 Ion 165.80 (165.50 to 166.50): VU030615.D (-2062) (-)
 Ion 128.90 (128.60 to 129.60): VU030615.D (-2062) (-)
 Ion 130.90 (130.60 to 131.60): VU030615.D (-2062) (-)





#59

Chlorobenzene

Concen: 0.476 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

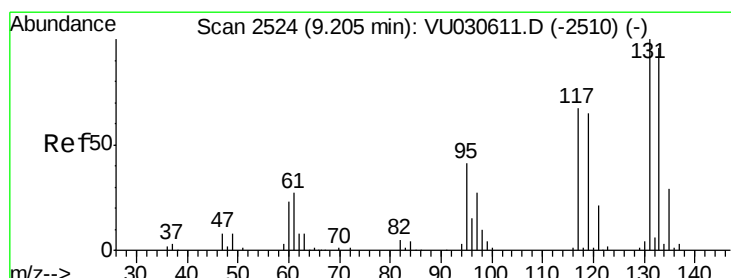
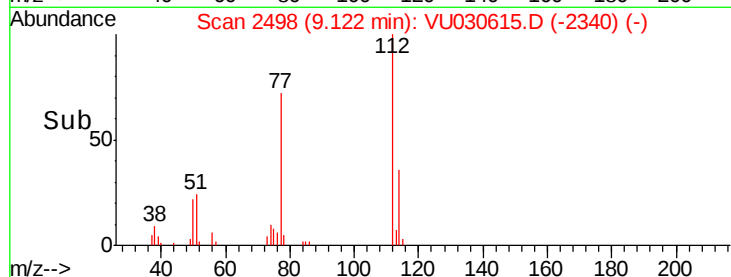
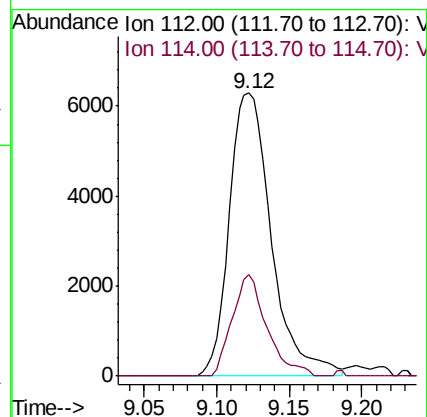
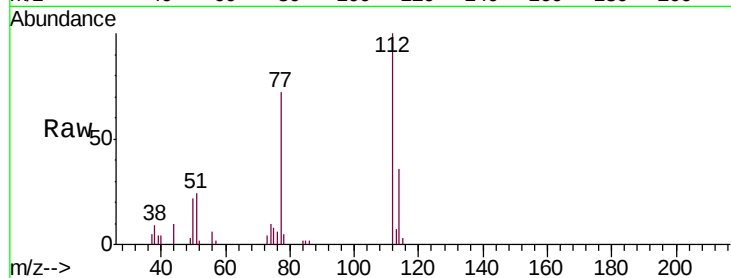
VSTDIC001

Tgt Ion:112 Resp: 12719

Ion Ratio Lower Upper

112 100

114 36.1 26.2 39.4



#60

1,1,1,2-Tetrachloroethane

Concen: 0.498 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

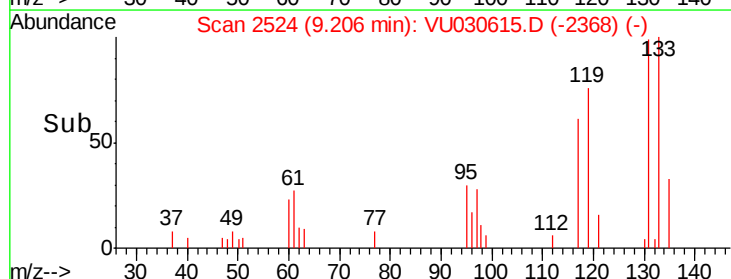
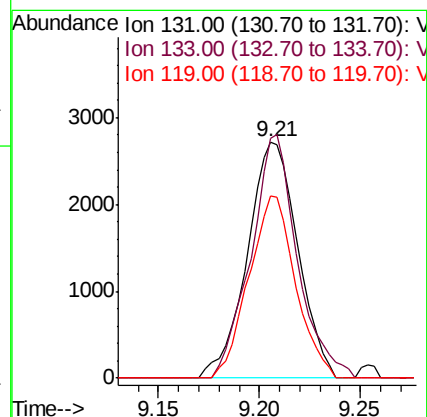
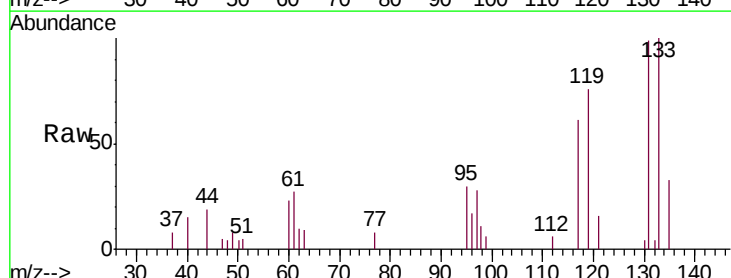
Tgt Ion:131 Resp: 4743

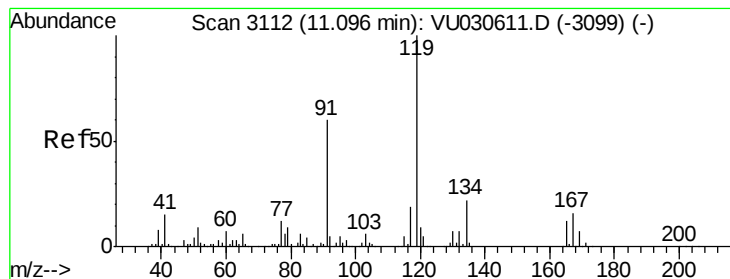
Ion Ratio Lower Upper

131 100

133 95.2 75.0 112.6

119 71.3 52.2 78.2





#61

Pentachloroethane

Concen: 0.466 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

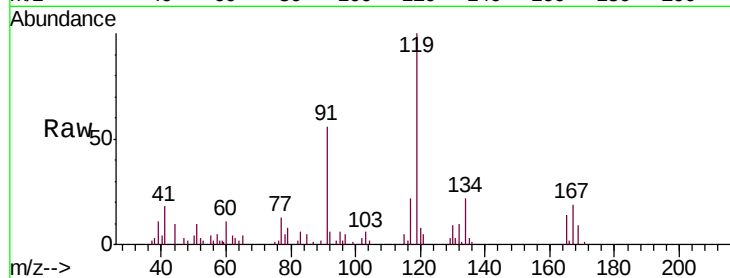
VSTDIC001

Tgt Ion:117 Resp: 3426

Ion Ratio Lower Upper

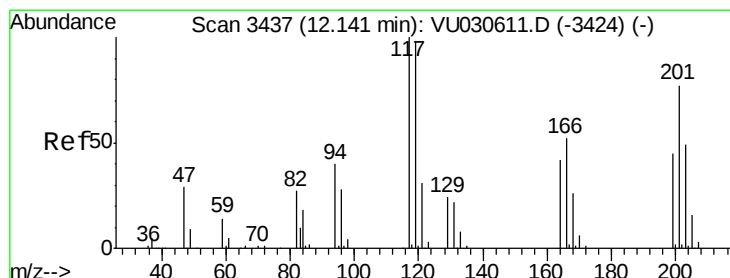
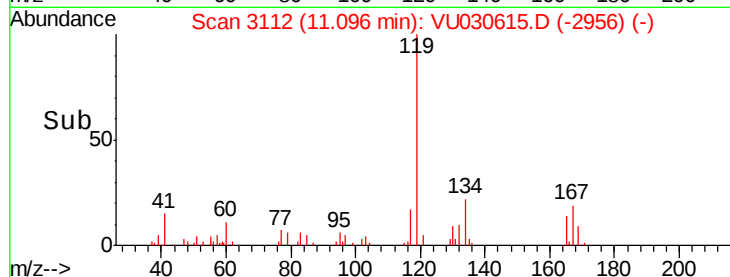
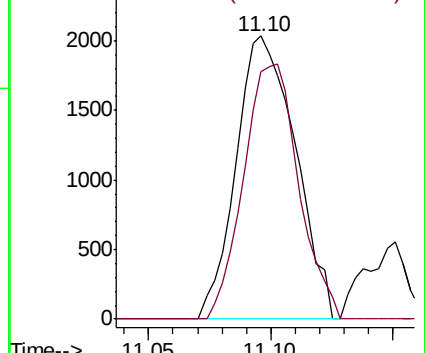
117 100

167 83.6 65.6 98.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.457 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030615.D

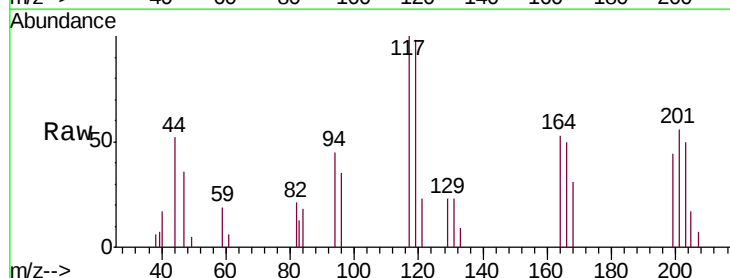
Acq: 02 Apr 2019 22:08

Tgt Ion:117 Resp: 3326

Ion Ratio Lower Upper

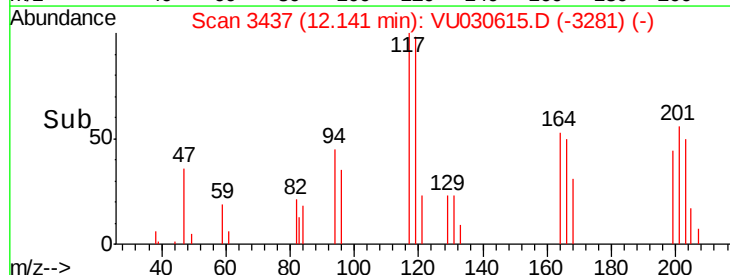
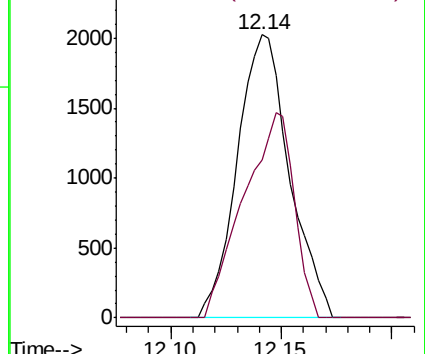
117 100

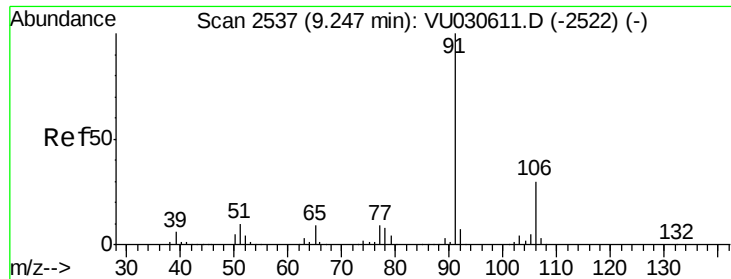
201 69.5 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

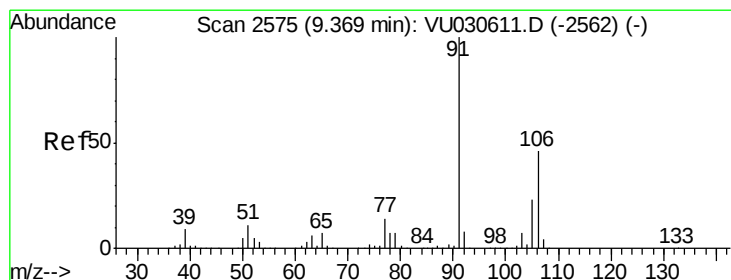
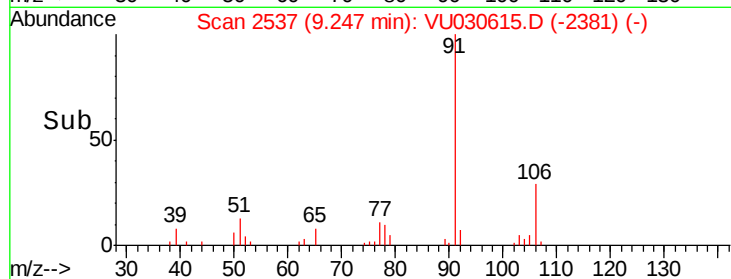
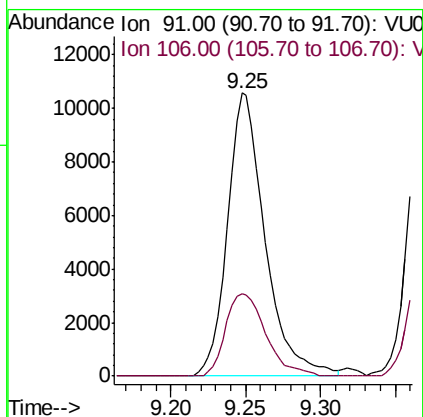
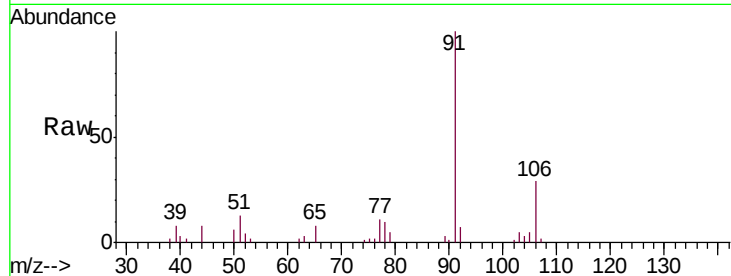




#63
Ethyl Benzene
Concen: 0.416 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

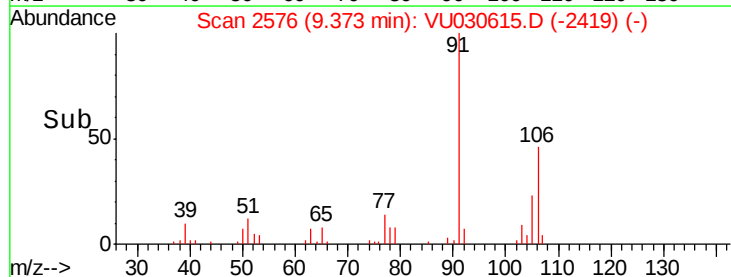
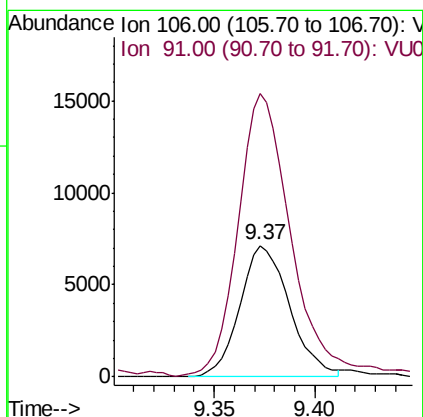
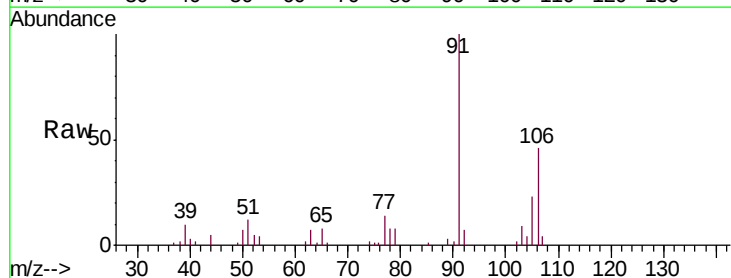
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

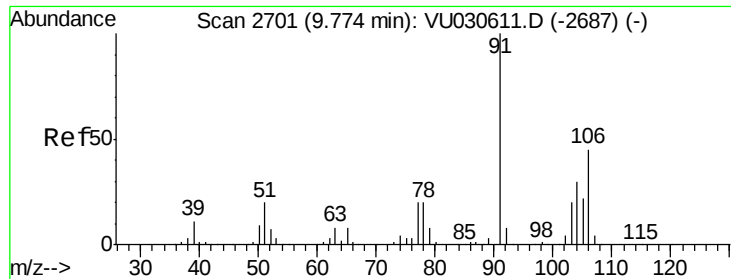
Tgt Ion: 91 Resp: 18490
Ion Ratio Lower Upper
91 100
106 29.0 23.7 35.5



#64
m/p-Xylenes
Concen: 0.718 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 106 Resp: 12342
Ion Ratio Lower Upper
106 100
91 230.5 173.8 260.8

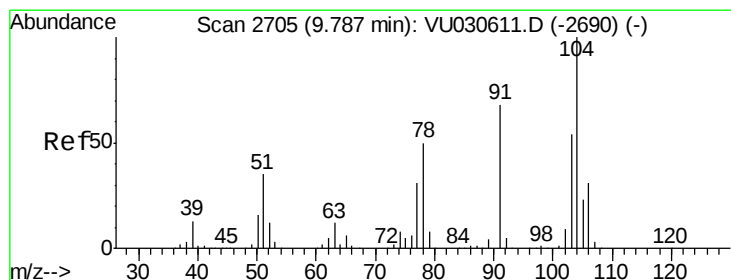
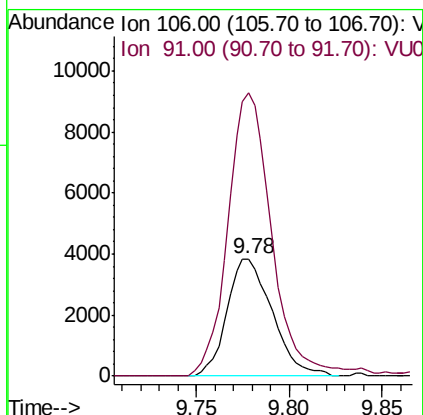
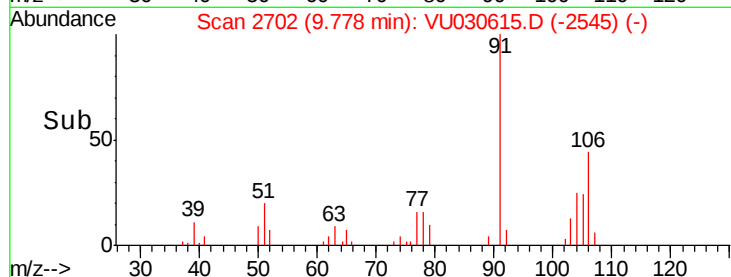
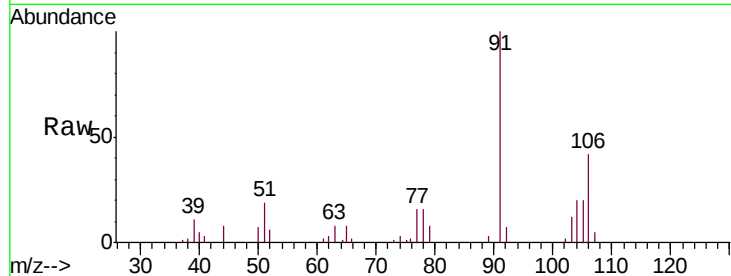




#65
o-Xylene
Concen: 0.386 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

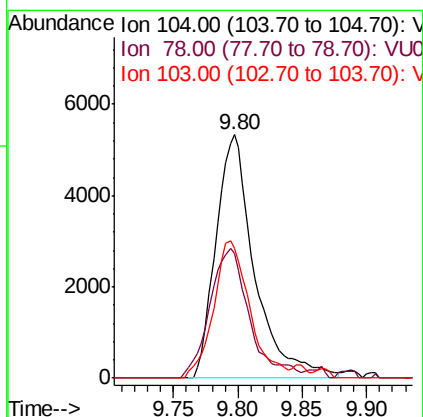
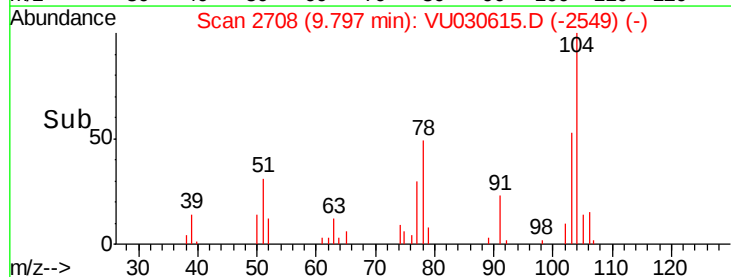
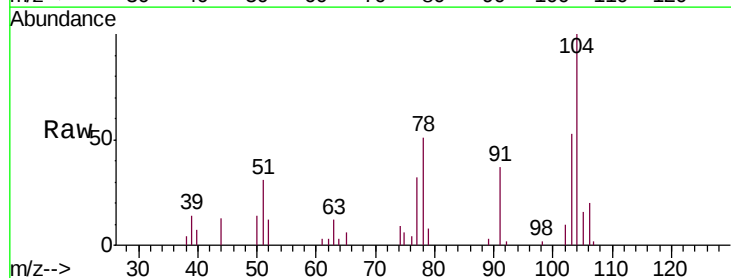
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

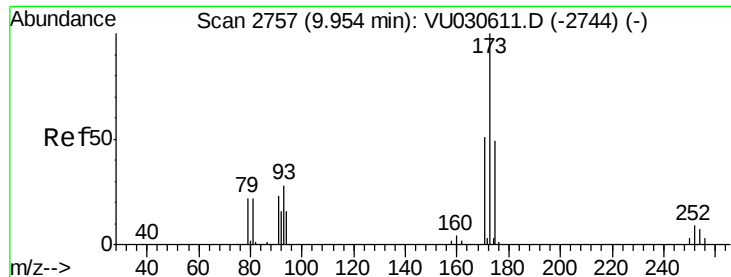
Tgt Ion:106 Resp: 6494
Ion Ratio Lower Upper
106 100
91 233.2 111.8 335.3



#66
Styrene
Concen: 0.399 ug/l
RT: 9.80 min Scan# 2708
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion:104 Resp: 11099
Ion Ratio Lower Upper
104 100
78 54.4 43.0 64.6
103 52.7 45.6 68.4

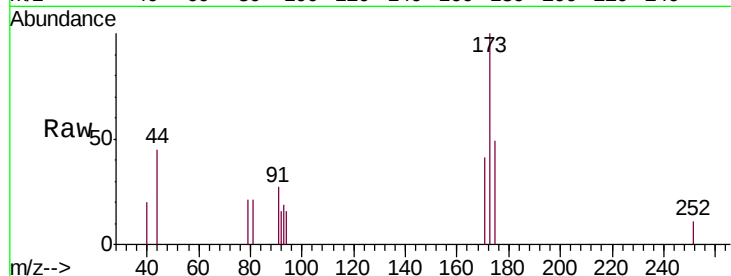




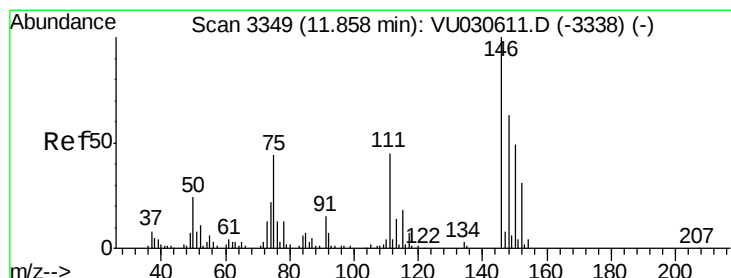
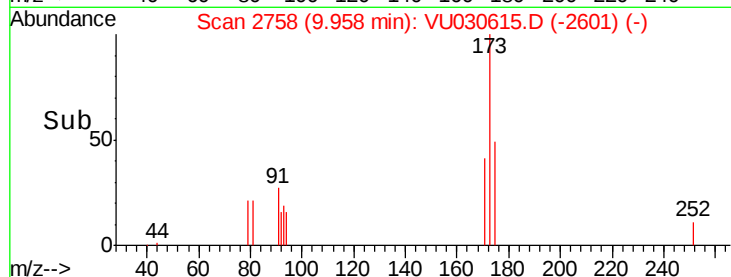
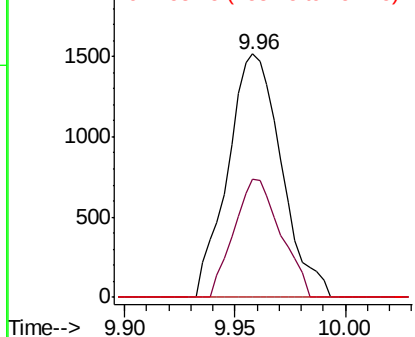
#67
Bromoform
Concen: 0.510 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:173 Resp: 2556
Ion Ratio Lower Upper
173 100
175 42.3 39.2 58.8
254 0.0 6.4 9.6#

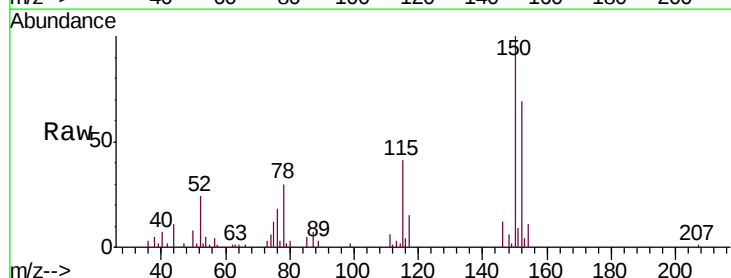


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

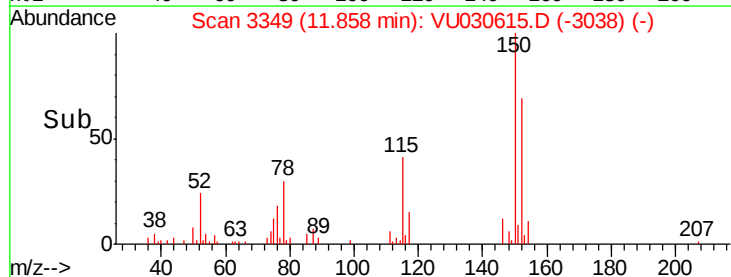
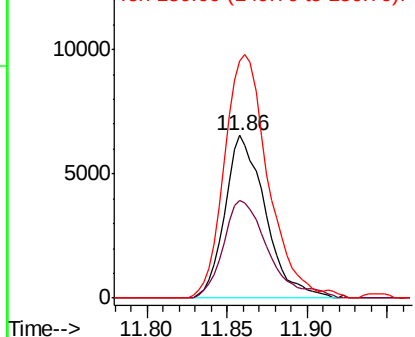


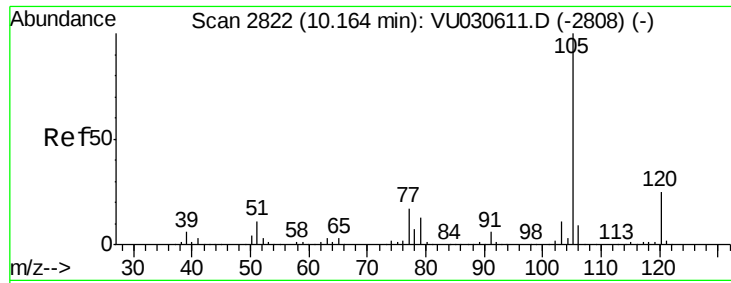
#68
1,2-Dichlorobenzene-d4
Concen: 0.510 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:08

Tgt Ion:152 Resp: 11321
Ion Ratio Lower Upper
152 100
115 66.8 0.0 122.4
150 162.0 0.0 595.2



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: 0.393 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

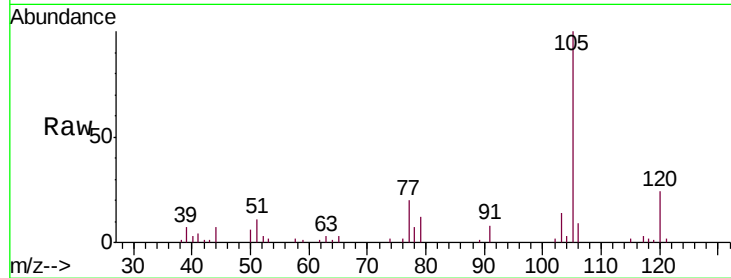
VSTDIC001

Tgt Ion:105 Resp: 17348

Ion Ratio Lower Upper

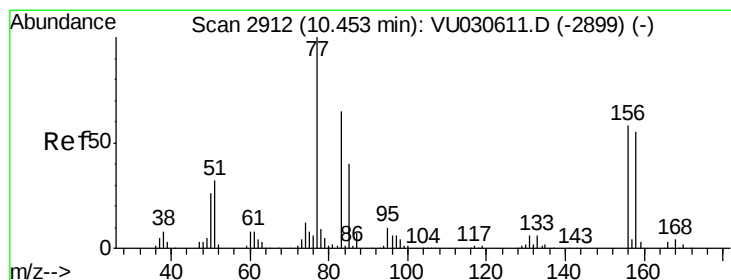
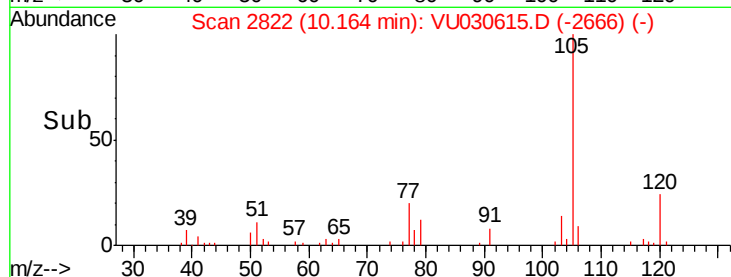
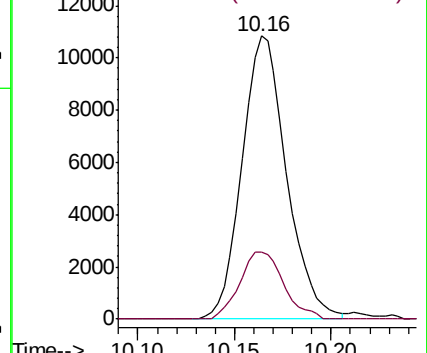
105 100

120 23.4 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.573 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

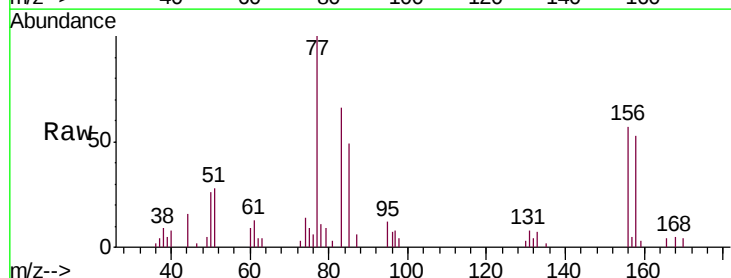
Tgt Ion: 83 Resp: 5325

Ion Ratio Lower Upper

83 100

131 9.9 7.5 11.3

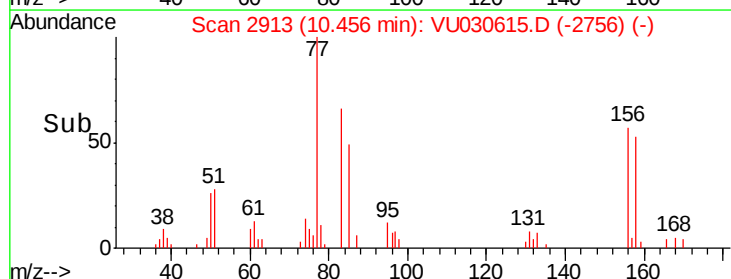
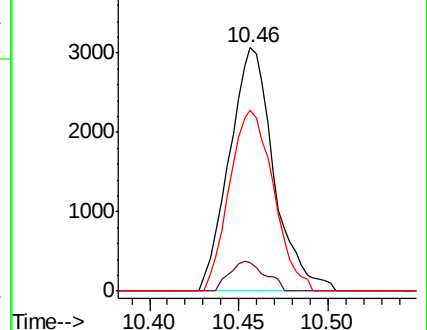
85 73.6 50.0 75.0

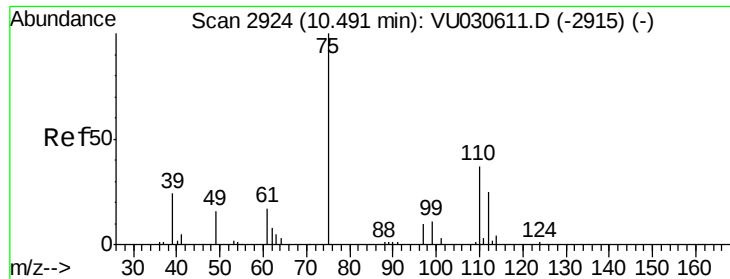


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

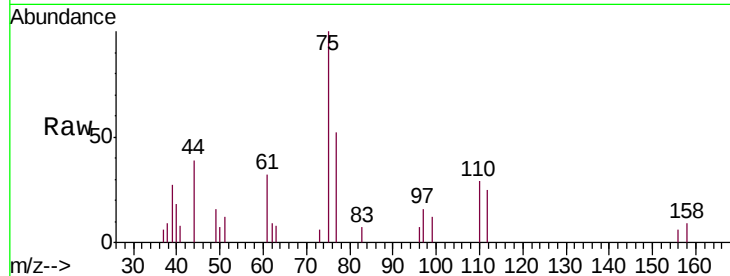




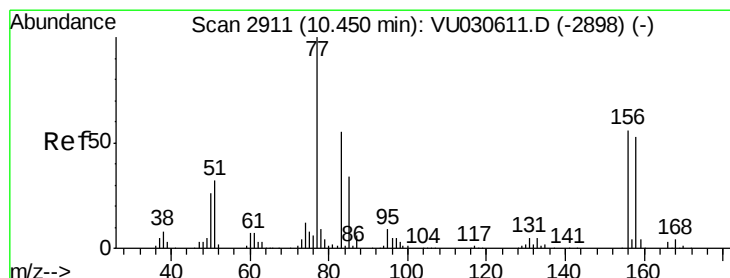
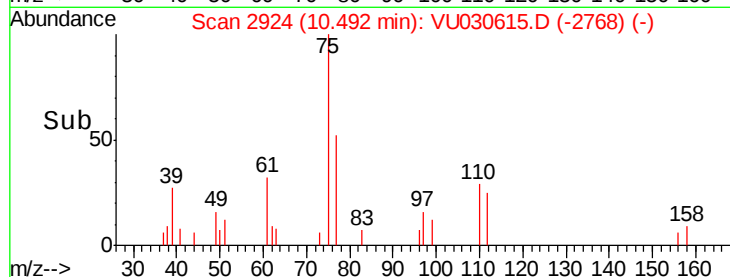
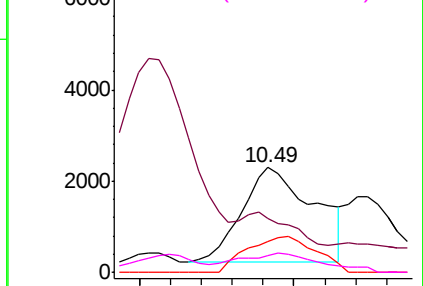
#71
 1,2,3-Trichloropropane
 Concen: 0.484 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	75	Resp:	3383
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	35.4	0.0	67.8
97	22.9	0.0	35.2

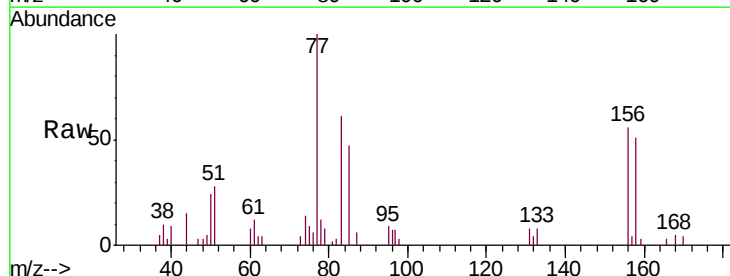


Abundance Ion 75.00 (74.70 to 75.70): VU030611.D (-2915) (-)

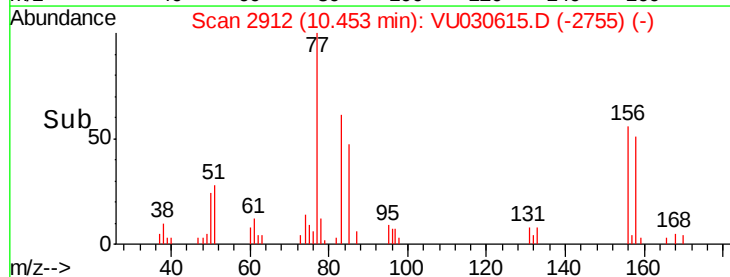
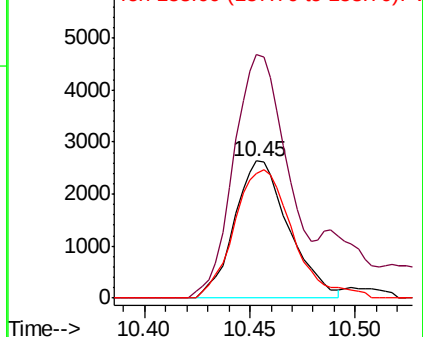


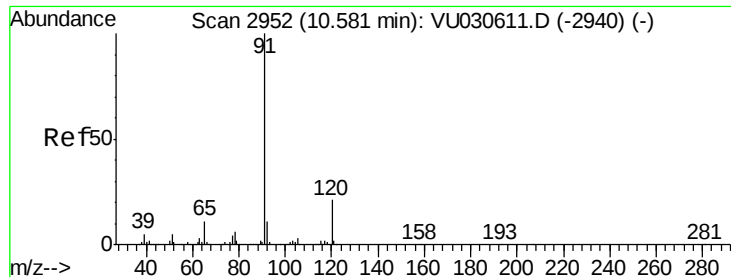
#72
 Bromobenzene
 Concen: 0.414 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion:	156	Resp:	4723
Ion	Ratio	Lower	Upper
156	100		
77	173.6	0.0	362.2
158	100.7	0.0	192.4



Abundance Ion 156.00 (155.70 to 156.70): VU030611.D (-2898) (-)





#73

n-propylbenzene

Concen: 0.372 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

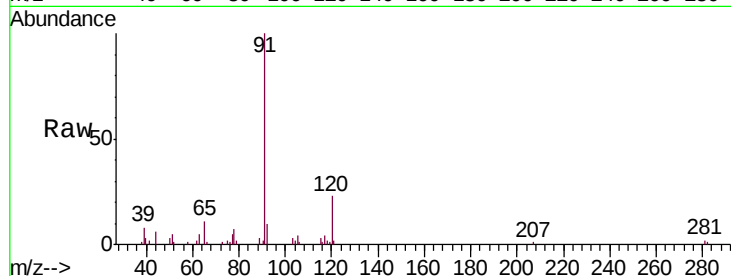
VSTDIC001

Tgt Ion:120 Resp: 4610

Ion Ratio Lower Upper

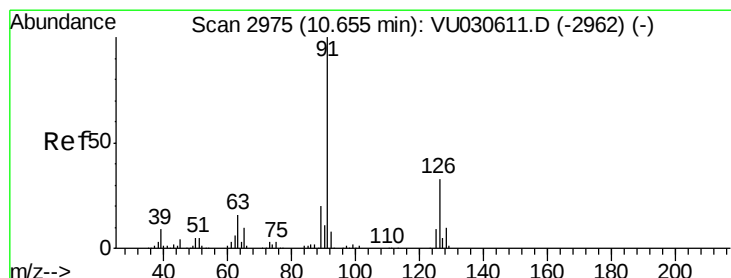
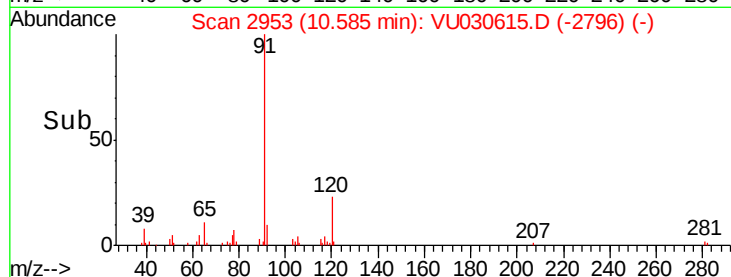
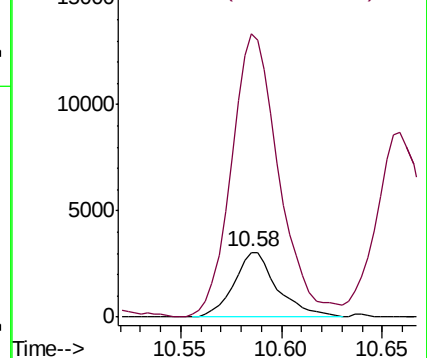
120 100

91 477.7 373.0 559.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.402 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030615.D

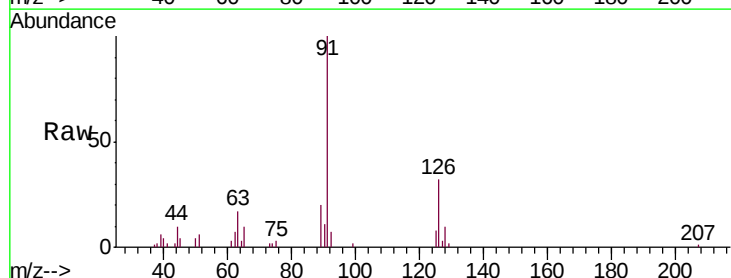
Acq: 02 Apr 2019 22:08

Tgt Ion:126 Resp: 4371

Ion Ratio Lower Upper

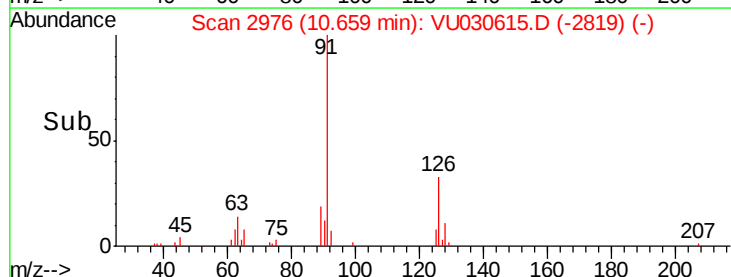
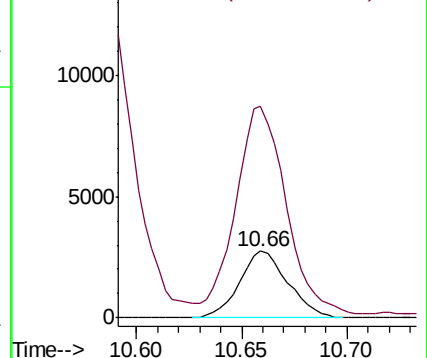
126 100

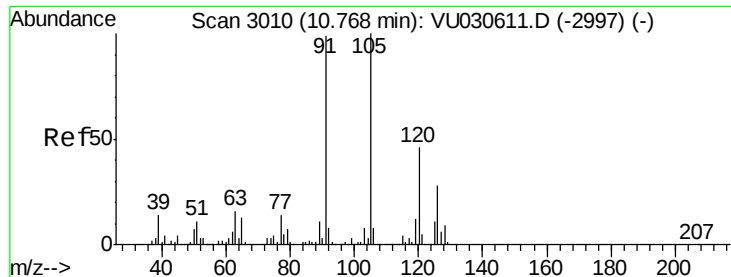
91 324.6 0.0 643.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

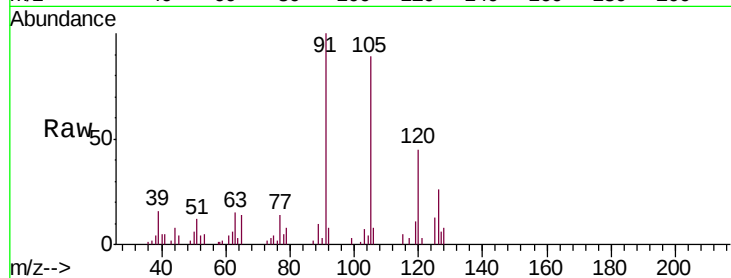
VSTDIC001

Tgt Ion:105 Resp: 13647

Ion Ratio Lower Upper

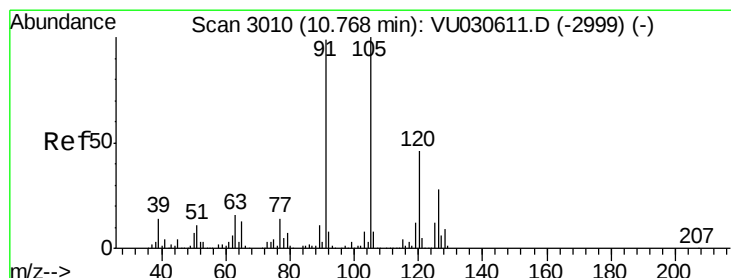
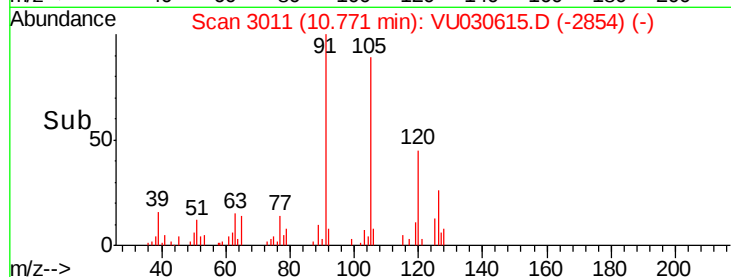
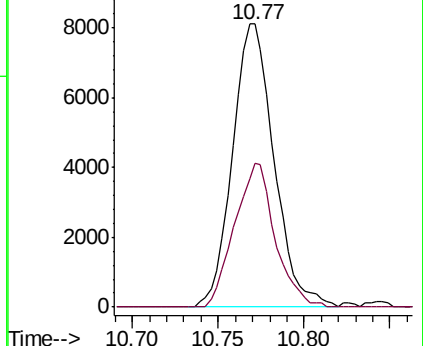
105 100

120 49.3 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.386 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU030615.D

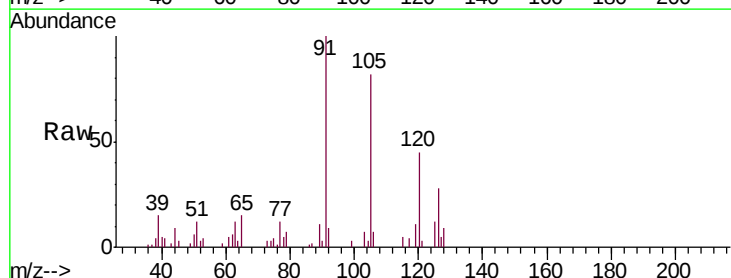
Acq: 02 Apr 2019 22:08

Tgt Ion:126 Resp: 4279

Ion Ratio Lower Upper

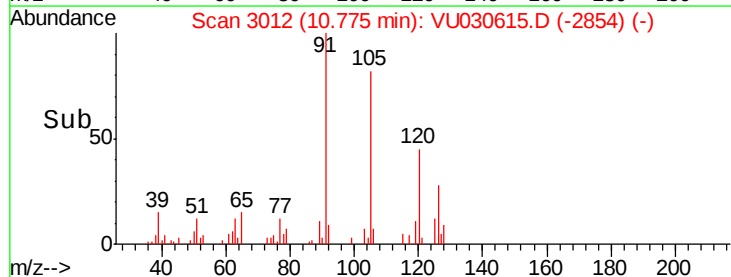
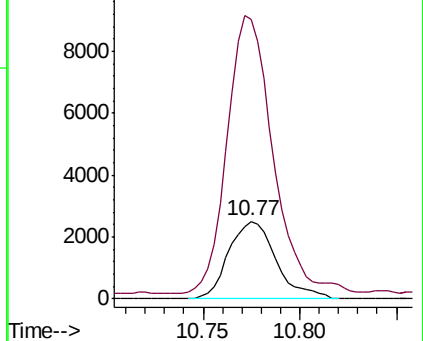
126 100

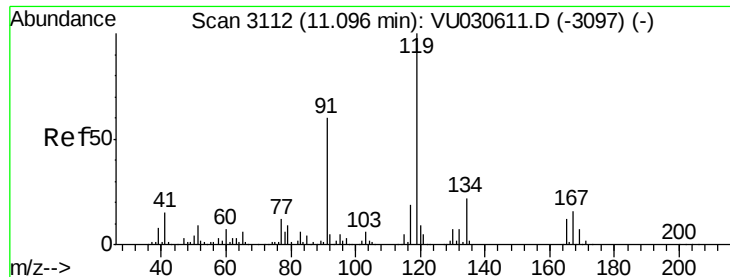
91 346.1 0.0 724.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

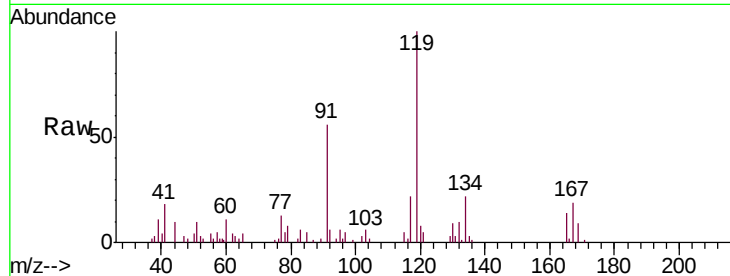




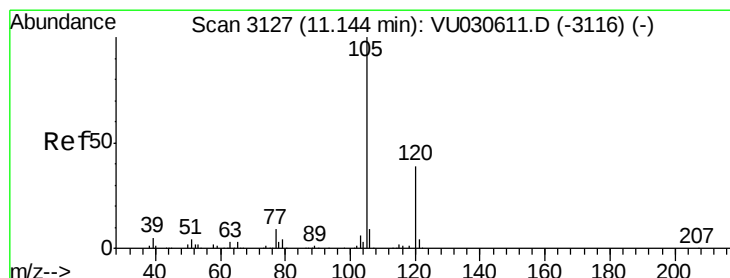
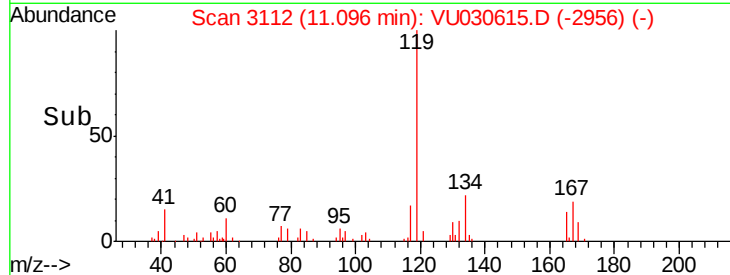
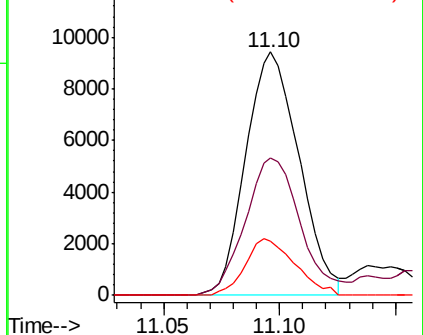
#77
 tert-Butylbenzene
 Concen: 0.412 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 15084
 Ion Ratio Lower Upper
 119 100
 91 58.4 30.7 92.1
 134 21.7 17.5 26.3

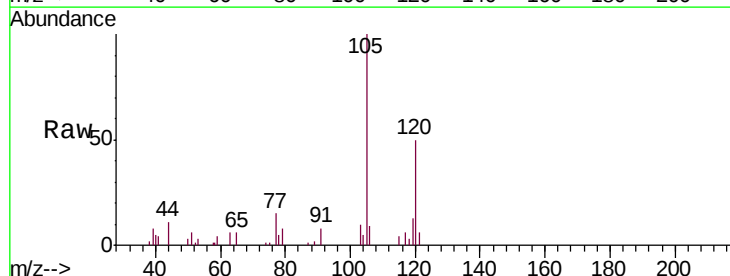


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

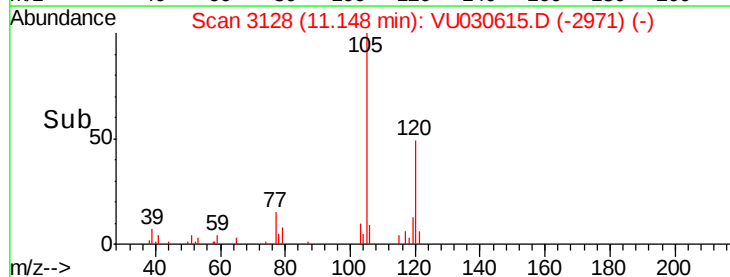
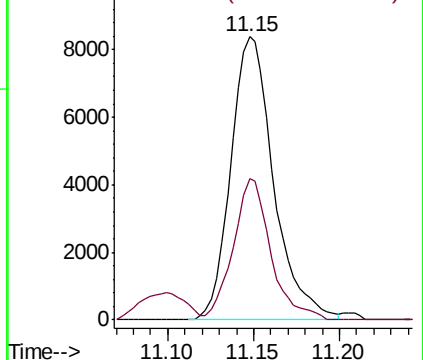


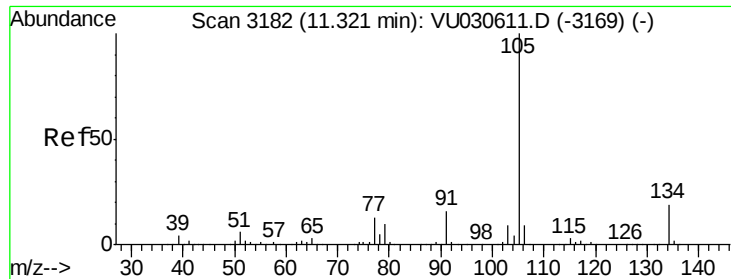
#78
 1,2,4-Trimethylbenzene
 Concen: 0.380 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion:105 Resp: 14534
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.5



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





#79

sec-Butylbenzene

Concen: 0.412 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

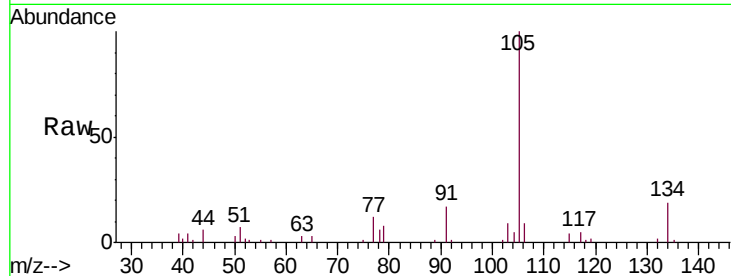
VSTDIC001

Tgt Ion: 105 Resp: 20230

Ion Ratio Lower Upper

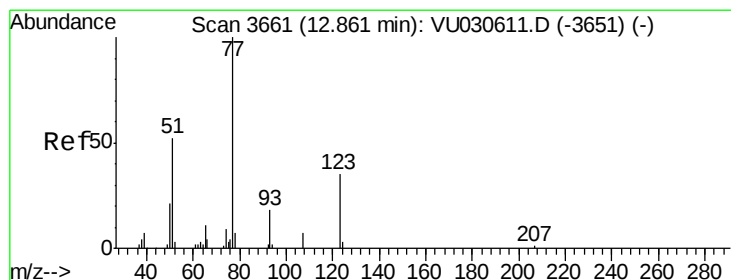
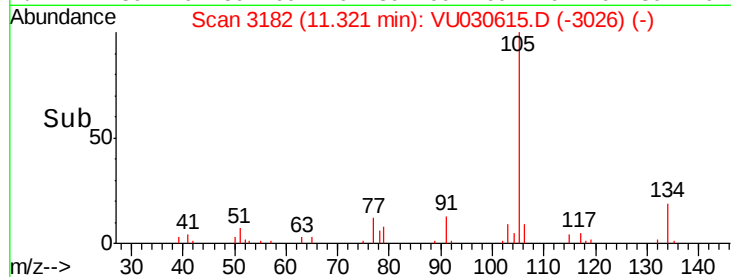
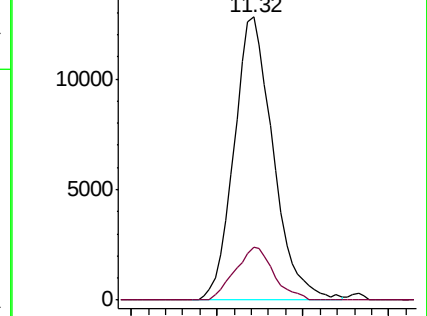
105 100

134 18.4 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 0.287 ug/l

RT: 12.84 min Scan# 3654

Delta R.T. -0.02 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

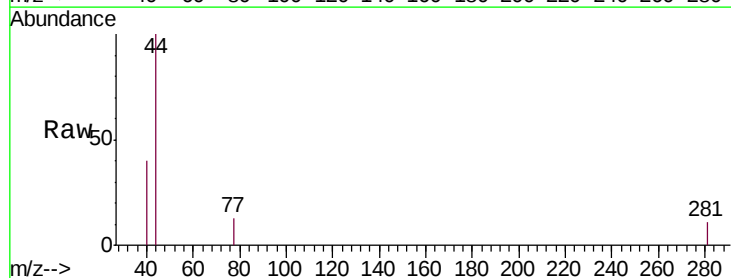
Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

77 100

123 0.0 16.5 58.5#

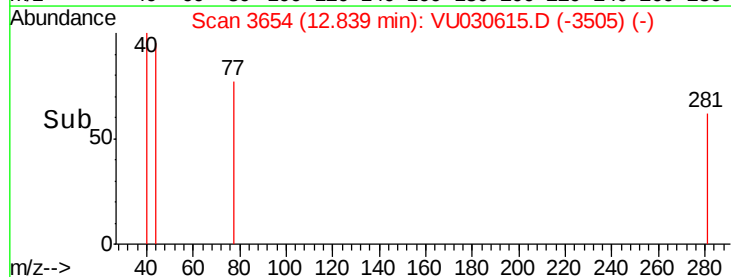
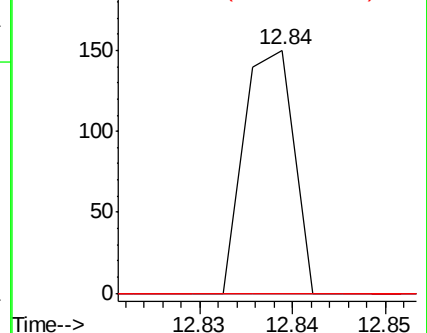
65 0.0 11.2 14.2#

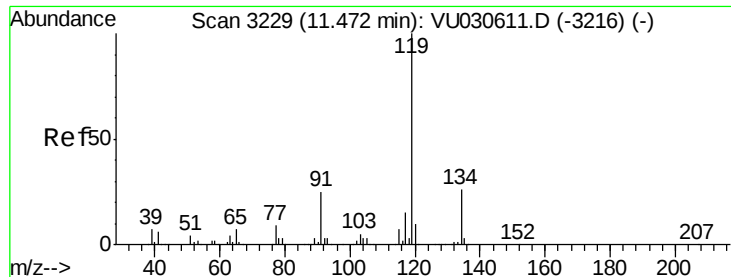


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

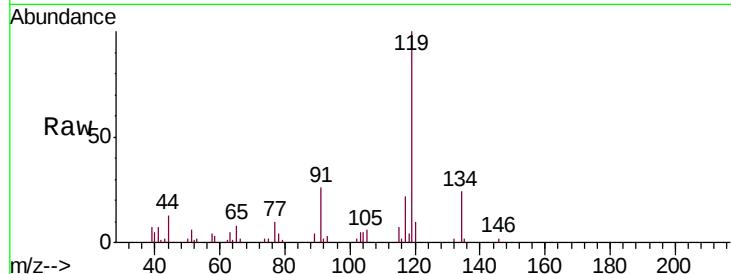




#81
 p-Isopropyltoluene
 Concen: 0.356 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.3	30.5
91	26.3	20.2	30.4

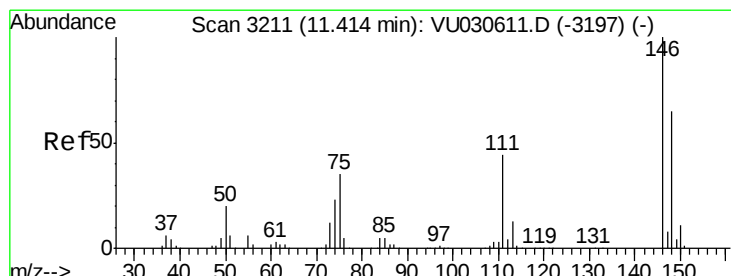
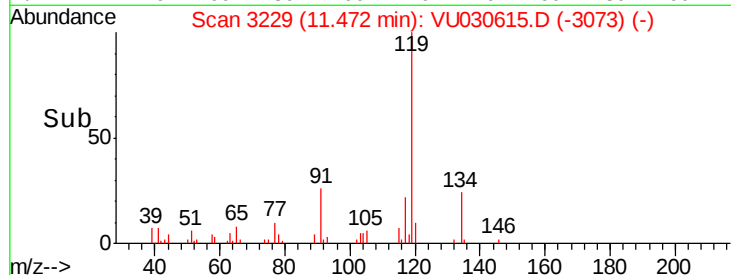
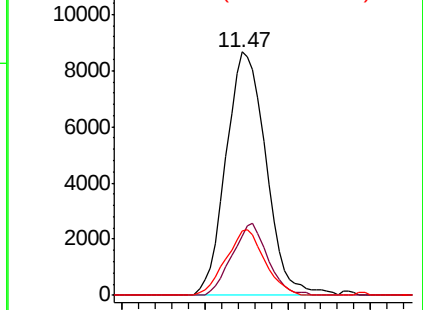


Abundance

Ion 119.00 (118.70 to 119.70): V

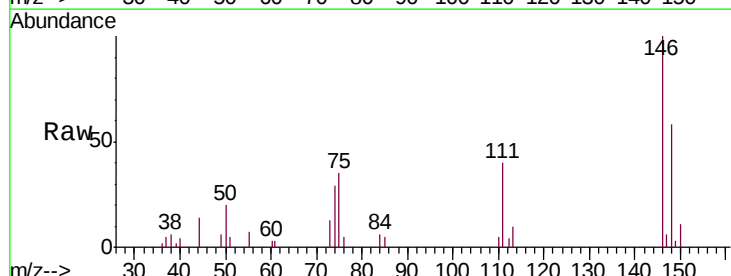
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 0.420 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.6	51.8
148	60.1	51.3	76.9

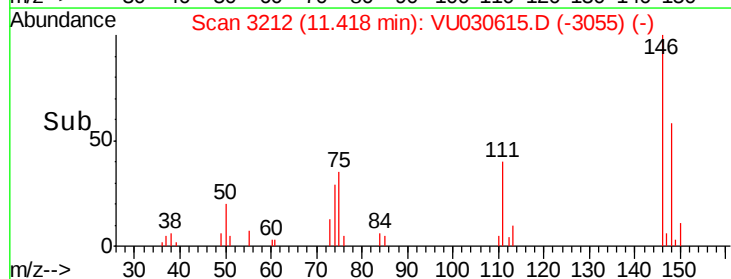
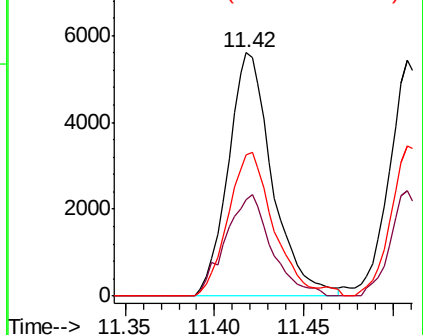


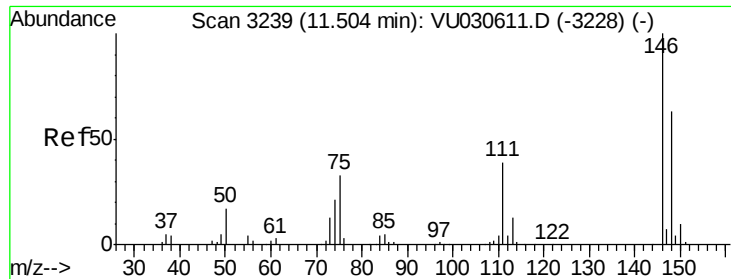
Abundance

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

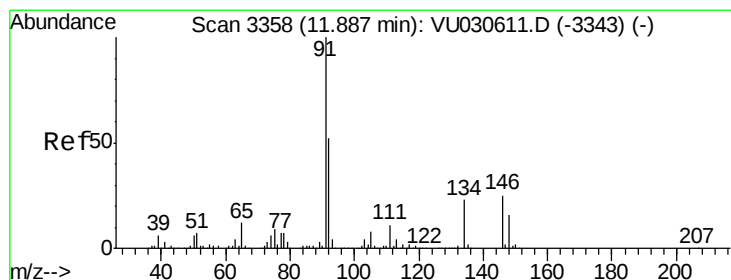
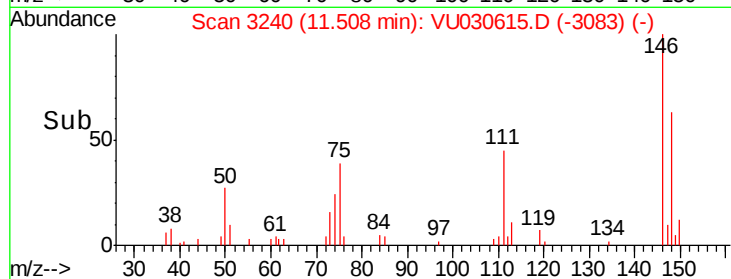
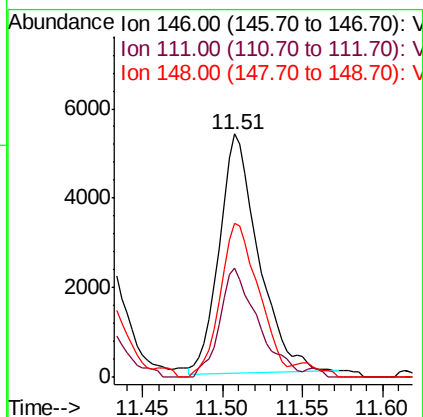
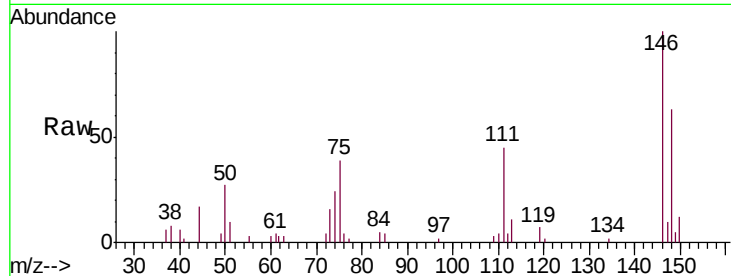




#83
 1,4-Dichlorobenzene
 Concen: 0.389 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

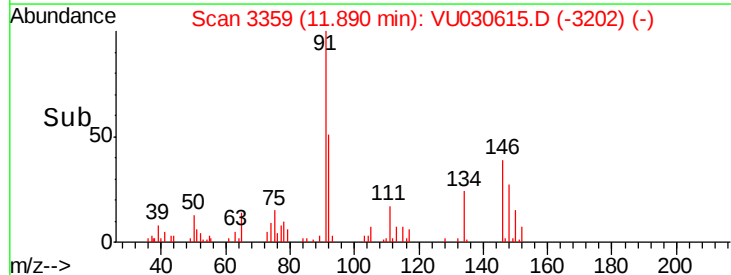
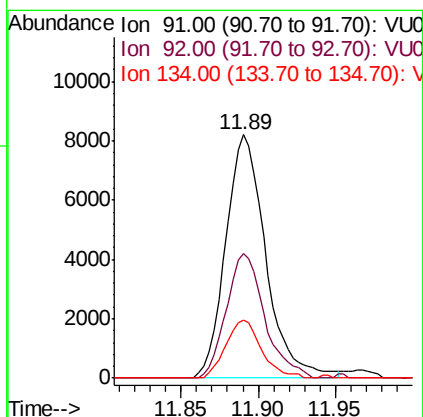
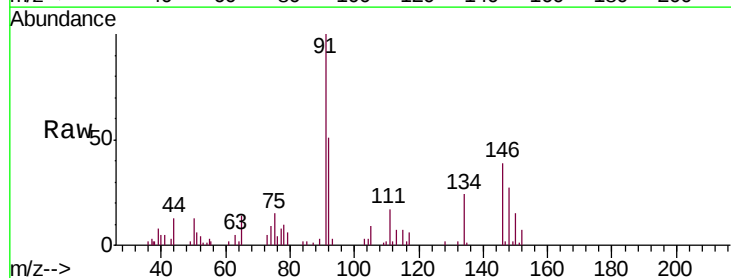
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

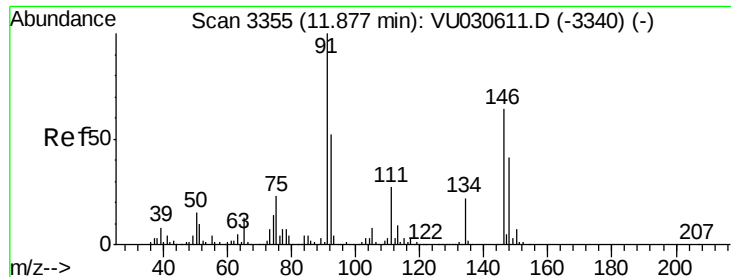
Tgt Ion:146 Resp: 8988
 Ion Ratio Lower Upper
 146 100
 111 44.6 32.2 48.2
 148 63.8 51.0 76.6



#84
 n-Butylbenzene
 Concen: 0.380 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion: 91 Resp: 14738
 Ion Ratio Lower Upper
 91 100
 92 48.7 41.3 61.9
 134 21.2 18.2 27.4





#85

1,2-Dichlorobenzene

Concen: 0.434 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

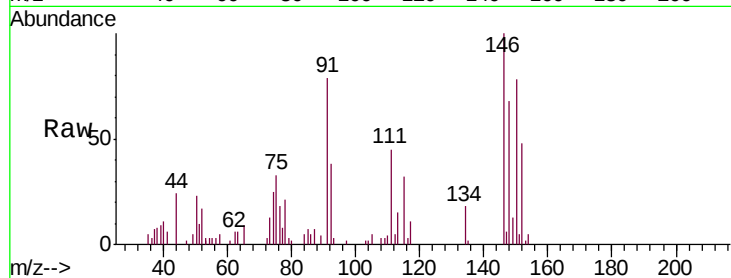
Tgt Ion:146 Resp: 9292

Ion Ratio Lower Upper

146 100

111 47.1 21.8 65.3

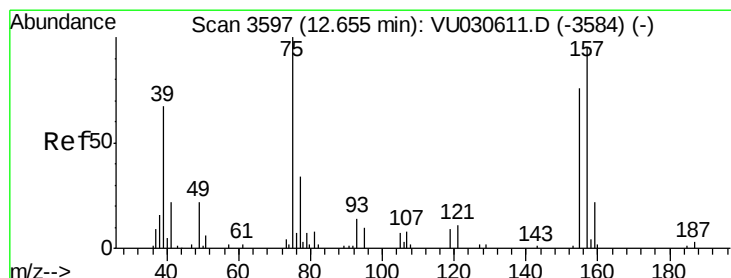
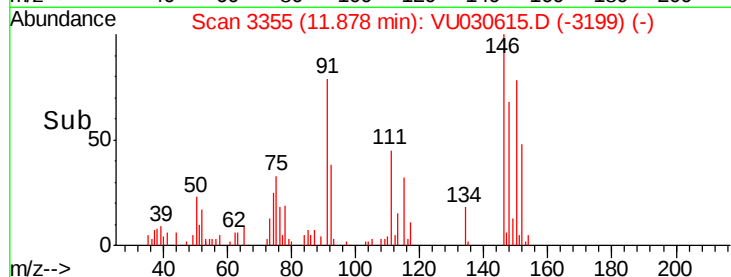
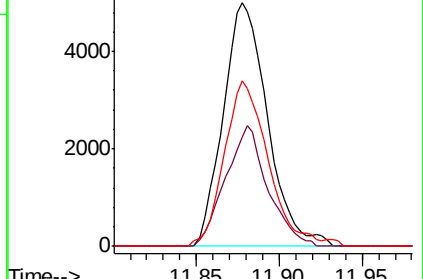
148 66.8 31.7 95.1



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: 0.413 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

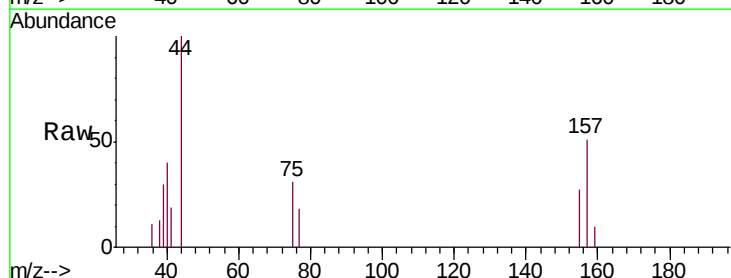
Tgt Ion: 75 Resp: 559

Ion Ratio Lower Upper

75 100

155 81.0 61.3 91.9

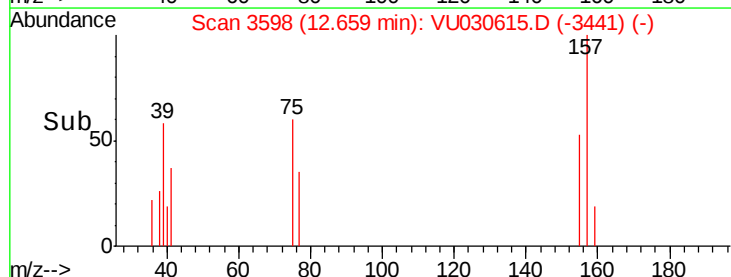
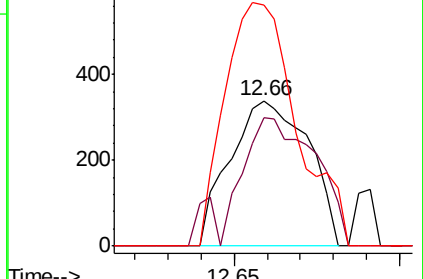
157 152.8 77.4 116.0#

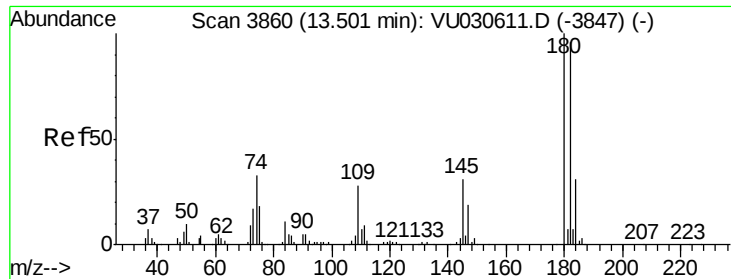


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

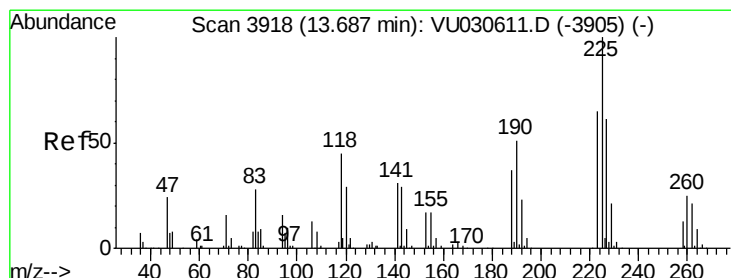
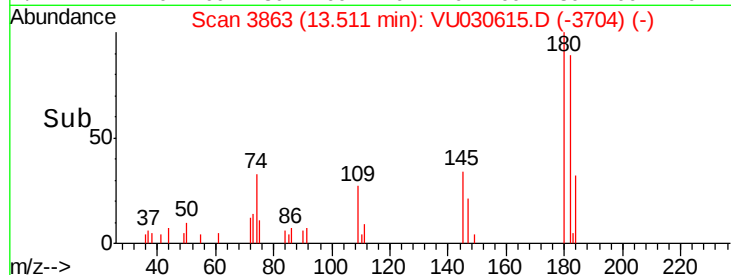
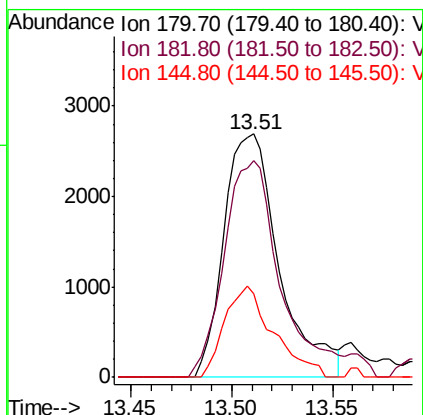
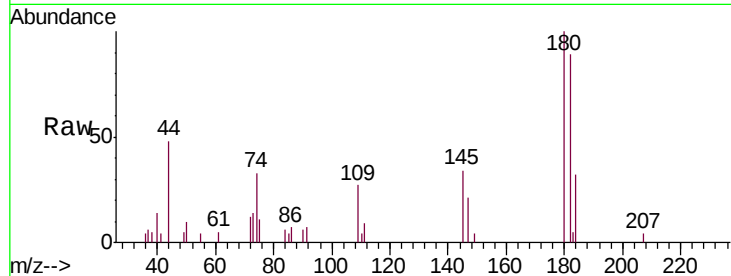




#87
 1,2,4-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

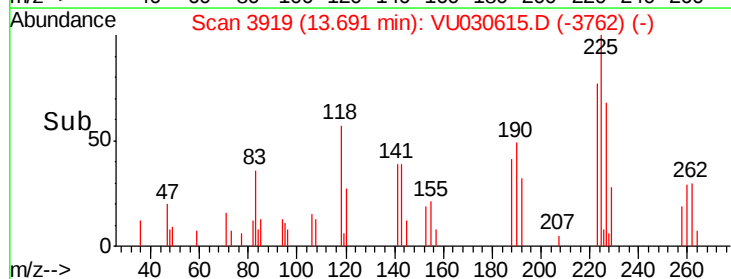
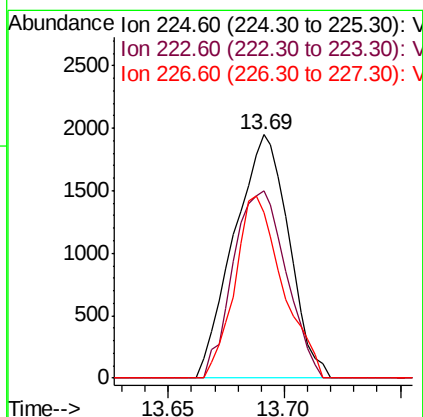
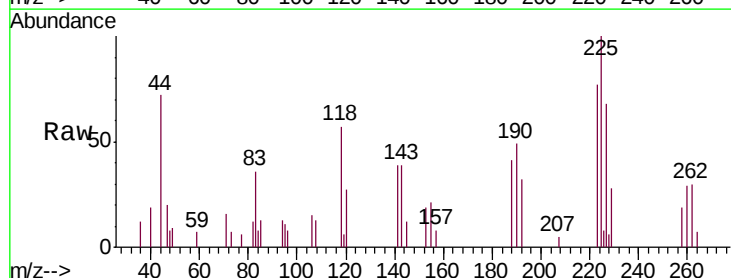
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

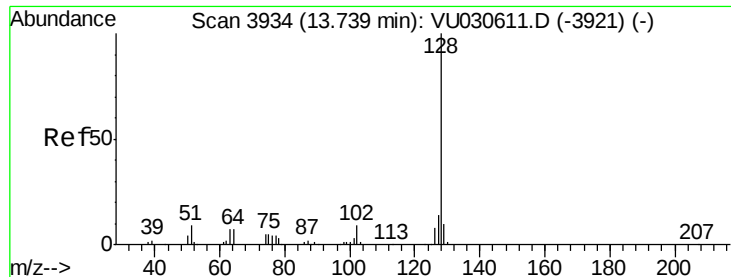
Tgt Ion:180 Resp: 5175
 Ion Ratio Lower Upper
 180 100
 182 90.2 78.2 117.4
 145 32.8 24.4 36.6



#88
 Hexachlorobutadiene
 Concen: 0.387 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:08

Tgt Ion:225 Resp: 3194
 Ion Ratio Lower Upper
 225 100
 223 74.5 52.6 78.8
 227 65.1 50.5 75.7





#89

Naphthalene

Concen: 0.323 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

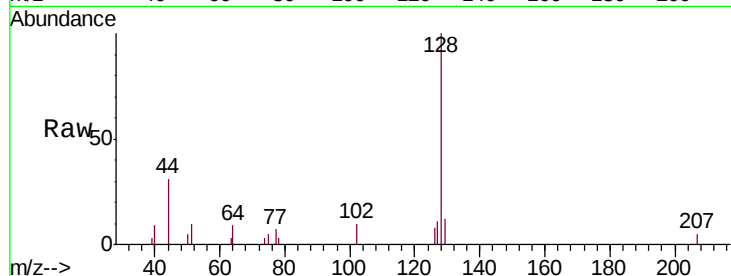
Tgt Ion:128 Resp: 7716

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

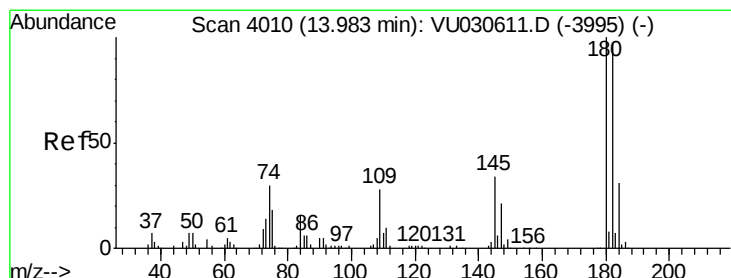
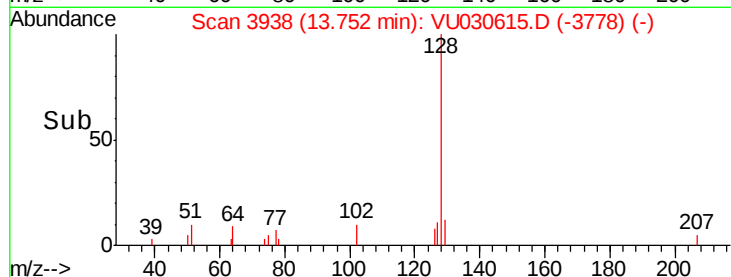
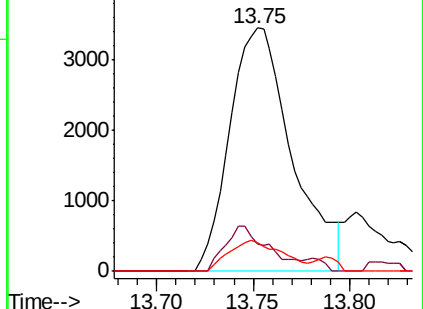
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.347 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:08

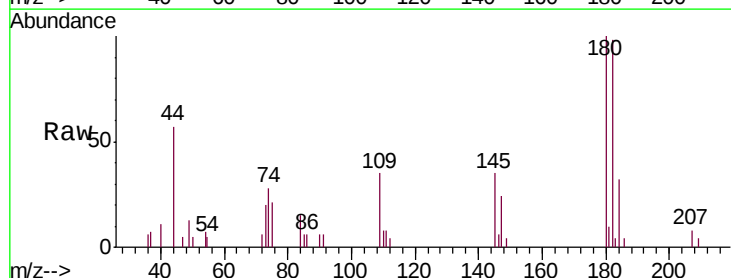
Tgt Ion:180 Resp: 4797

Ion Ratio Lower Upper

180 100

182 96.4 77.4 116.0

145 34.8 26.2 39.2



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

